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

DATA PACKAGE

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : NELSON

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q1447

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : G Environmental

Project Location :

Project Number : - Nelson

Laboratory Sample ID(s) : Q1447

Sampling Date(s) : 02/23/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,1030,1311,6010D,7470A,7471B,8082A,8260D,8270E,9012B,9034,9045D,909**

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.”

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Cover Page

Order ID : Q1447

Project ID : Nelson

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1447-01	WC1
Q1447-02	WC1

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:08 am, Mar 12, 2025

Date: 3/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: Nelson
Project # N/A
Chemtech Project # Q1447
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 02/26/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

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.
The Retention Times were acceptable for all samples.
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.
The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
The soil samples results are based on a dry weight basis.

The Sample #WC1 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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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_____

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:08 am, Mar 12, 2025

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CASE NARRATIVE

G Environmental
Project Name: Nelson
Project # N/A
Chemtech Project # Q1447
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 02/26/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The analysis of SVOC-TCL BNA -20 was based on method 8270E 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 WC1 which is fail due to the presence of nontargeted hydrocarbons which can be observed by the abnormal chromatogram. Therefore, no corrective action is required also TR-04-02282025MS and TR-04-02282025MSD has Internal Standards fail due to matrix interference. Therefore, no corrective action is required.
The Retention Times were acceptable for all samples.

The MS {Q1475-01MS} with File ID: BF141819.D recoveries met the requirements for all compounds except for 3, 3-Dichlorobenzidine[52%], 4-Chloroaniline[33%], Fluoranthene[64%] and Pyrene[64%]. These compounds did not meet the NJDKQP criteria but met the in-house criteria.

The MSD {Q1475-01MSD} with File ID: BF141820.D recoveries met the acceptable requirements except for 3,3-Dichlorobenzidine[57%] and 4-Chloroaniline[35%]. These compounds did not meet the NJDKQP criteria but met the in-house criteria.
The RPD met criteria.

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The Blank Spike for {PB166957BS} with File ID: BF141826.D met requirements for all samples except for 3,3-Dichlorobenzidine[53%], 3-Nitroaniline[56%] and 4-Chloroaniline[29%]. These compounds did not meet the NJDKQP criteria but met the in-house criteria.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF022725.M) for 2-Nitrophenol,2-Nitroaniline,2,6-Dinitrotoluene, 3-Nitroaniline, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol these compounds are passing on Linear Regression and 2,4-Dinitrophenol is passing on Quadratic regression.

The Continuous Calibration File ID BF141824.D met the requirements except for 4-Nitroaniline and 4-Nitrophenol. The associate samples have no positive hit for these compounds. Therefore, no corrective action was required.
The Tuning criteria met requirements.

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 <15% 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 > 15% 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_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 11:10 am, Mar 12, 2025

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CASE NARRATIVE

G Environmental
Project Name: Nelson
Project # N/A
Chemtech Project # Q1447
Test Name: PCB

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 02/26/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. 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 File ID PO109533.D met the requirements except for Decachlorobiphenyl is failing in 1st column but passing in 2nd column therefore no corrective action taken.

The Continuous Calibration File ID PO109548.D met the requirements except for Decachlorobiphenyl is failing in 1st column but passing in 2nd column therefore no corrective action taken.

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E. Additional Comments:

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

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_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 11:10 am, Mar 12, 2025

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CASE NARRATIVE

G Environmental
Project Name: Nelson
Project # N/A
Chemtech Project # Q1447
Test Name: EPH

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 02/26/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for EPH.

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 analyses were performed on instrument FID_D. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPHs 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 except for WC1DL2 [1-chlorooctadecane (SURR) - 0%], Surrogate was diluted out due to the high dilution. No further corrective action was taken.

The Retention Times were acceptable for all samples.

The MS {Q1421-02} with File ID: FD049142.D recoveries met the requirements for all compounds except for Aromatic C21-C36[151%] due to matrix interference.

The MSD {Q1421-03} with File ID: FD049143.D recoveries met the acceptable requirements except for Aromatic C21-C36[146%] due to matrix interference.

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.

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The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

Samples WC1 and WC1DL were diluted due to high concentrations for Aliphatic compounds and Sample WC1 was diluted due to high concentrations for Aromatic compounds.

E. Additional Comments:
The soil samples results are based on a dry weight basis.

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_____

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:10 am, Mar 12, 2025

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CASE NARRATIVE

G Environmental
Project Name: Nelson
Project # N/A
Chemtech Project # Q1447
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 02/26/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. 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 (WC1DUP) analysis met criteria for all samples except for Calcium, Iron, Nickel, Zinc due to matrix interference.
The Duplicate (WC1MSD) analysis met criteria for all samples except for Calcium, Iron, Lead, Manganese, Zinc due to matrix interference.
The Matrix Spike (WC1MS) analysis met criteria for all samples except for Antimony, Zinc due to matrix interference.
The Matrix Spike Duplicate (WC1MSD) analysis met criteria for all samples except for Antimony, Lead due to matrix interference.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution (WC1L) met criteria for all samples except for Iron, Lead, Manganese due to unknown interference.

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_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:10 am, Mar 12, 2025

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CASE NARRATIVE

G Environmental
Project Name: Nelson
Project # N/A
Chemtech Project # Q1447
Test Name: TCLP Mercury,TCLP ICP Metals

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 02/26/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for TCLP Mercury,TCLP ICP Metals.

C. Analytical Techniques:
The analysis of TCLP ICP Metals was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate (WC1DUP) analysis met criteria for all samples except for Barium, Lead due to matrix interference.
The Matrix Spike (WC1MS) analysis met criteria for all samples except for Barium due to matrix interference.
The Matrix Spike Duplicate (WC1MSD) analysis met criteria for all samples except for Barium due to matrix interference.
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_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:11 am, Mar 12, 2025

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CASE NARRATIVE

G Environmental
Project Name: Nelson
Project # N/A
Chemtech Project # Q1447
Test Name: pH,Paint Filter,Ignitability,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 02/26/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for pH,Paint Filter,Ignitability,Reactive Cyanide,Reactive Sulfide.

C. Analytical Techniques:
The analysis of Ignitability was based on method 1030, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034, The analysis of pH was based on method 9045D and The analysis of Paint Filter was based on method 9095B.

D. QA/ QC Samples:
The Holding Times were met for all samples except for WC1 of pH as this sample received out of hold.
The Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the 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_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 11:11 am, Mar 12, 2025

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

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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 is 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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1447

	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 Castody	✓
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:** 03/12/2025

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1447

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**WC1**								
Q1447-01	WC1	SOIL	Acetone		12.2	J	6.70	26.9	ug/Kg
Q1447-01	WC1	SOIL	m/p-Xylenes		3.90	J	1.50	10.8	ug/Kg
Q1447-01	WC1	SOIL	o-Xylene		2.30	J	0.75	5.40	ug/Kg
Q1447-01	WC1	SOIL	Isopropylbenzene		3.90	J	0.72	5.40	ug/Kg
			Total Voc :		22.3				
Q1447-01	WC1	SOIL	unknown14.182	*	280	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	p-Cymene	*	380	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1,4-diethyl-	*	240	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Naphthalene, decahydro-, trans	*	890	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	o-Cymene	*	200	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1-ethyl-2,4-dimethyl-	*	280	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1-ethyl-2,3-dimethyl-	*	390	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1-methyl-2-(2-propen	*	260	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Decane, 4-methyl-	*	690	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Oxalic acid, cyclohexylmethyl	*	250	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	n-propylbenzene	*	9.50	J	0.69	5.40	ug/Kg
Q1447-01	WC1	SOIL	1,3,5-Trimethylbenzene	*	9.10	J	0.69	5.40	ug/Kg
Q1447-01	WC1	SOIL	1,2,4-Trimethylbenzene	*	130	J	1.50	5.40	ug/Kg
Q1447-01	WC1	SOIL	sec-Butylbenzene	*	15.0	J	0.72	5.40	ug/Kg
Q1447-01	WC1	SOIL	p-Isopropyltoluene	*	3.10	J	0.63	5.40	ug/Kg
Q1447-01	WC1	SOIL	n-Butylbenzene	*	24.9	J	0.68	5.40	ug/Kg
			Total Tics :		4050				
			Total Concentration:		4070				

SAMPLE DATA

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

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021412.D	1		03/05/25 14:58	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.40	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.40	ug/Kg
75-01-4	Vinyl Chloride	0.83	U	0.83	5.40	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.40	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.98	U	0.98	5.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.84	U	0.84	5.40	ug/Kg
67-64-1	Acetone	12.2	J	6.70	26.9	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.72	U	0.72	5.40	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	5.40	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.91	U	0.91	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.40	ug/Kg
110-82-7	Cyclohexane	0.74	U	0.74	5.40	ug/Kg
78-93-3	2-Butanone	6.10	U	6.10	26.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.66	U	0.66	5.40	ug/Kg
74-97-5	Bromochloromethane	2.60	U	2.60	5.40	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.84	U	0.84	5.40	ug/Kg
108-87-2	Methylcyclohexane	0.94	U	0.94	5.40	ug/Kg
71-43-2	Benzene	0.78	U	0.78	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	5.40	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.71	U	0.71	5.40	ug/Kg
75-27-4	Bromodichloromethane	0.60	U	0.60	5.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.70	U	4.70	26.9	ug/Kg
108-88-3	Toluene	0.72	U	0.72	5.40	ug/Kg

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

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021412.D	1		03/05/25 14:58	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.61	U	0.61	5.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.91	U	0.91	5.40	ug/Kg
591-78-6	2-Hexanone	5.20	U	5.20	26.9	ug/Kg
124-48-1	Dibromochloromethane	0.70	U	0.70	5.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.85	U	0.85	5.40	ug/Kg
127-18-4	Tetrachloroethene	0.96	U	0.96	5.40	ug/Kg
108-90-7	Chlorobenzene	0.80	U	0.80	5.40	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.40	ug/Kg
179601-23-1	m/p-Xylenes	3.90	J	1.50	10.8	ug/Kg
95-47-6	o-Xylene	2.30	J	0.75	5.40	ug/Kg
100-42-5	Styrene	0.65	U	0.65	5.40	ug/Kg
75-25-2	Bromoform	0.87	U	0.87	5.40	ug/Kg
98-82-8	Isopropylbenzene	3.90	J	0.72	5.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.80	U	0.80	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.86	U	0.86	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.64	U	0.64	5.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.85	U	0.85	5.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.84	U	0.84	5.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.0		70 (63) - 130 (155)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (74) - 130 (123)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		70 (38) - 130 (136)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	7.707			
540-36-3	1,4-Difluorobenzene	461000	8.609			
3114-55-4	Chlorobenzene-d5	409000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	165000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021412.D	1		03/05/25 14:58	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
103-65-1	n-propylbenzene	9.50	J		12.6	ug/Kg
1010309-68-1	Oxalic acid, cyclohexylmethyl prop	250	J		12.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	9.10	J		12.7	ug/Kg
002847-72-5	Decane, 4-methyl-	690	J		13.0	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	130	J		13.0	ug/Kg
135-98-8	sec-Butylbenzene	15.0	J		13.2	ug/Kg
99-87-6	p-Isopropyltoluene	3.10	J		13.3	ug/Kg
000105-05-5	Benzene, 1,4-diethyl-	240	J		13.5	ug/Kg
104-51-8	n-Butylbenzene	24.9	J		13.6	ug/Kg
000493-02-7	Naphthalene, decahydro-, trans-	890	J		13.7	ug/Kg
000099-87-6	p-Cymene	380	J		13.8	ug/Kg
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	390	J		13.9	ug/Kg
001587-04-8	Benzene, 1-methyl-2-(2-propenyl)-	260	J		14.0	ug/Kg
	unknown14.182	280	J		14.2	ug/Kg
000527-84-4	o-Cymene	200	J		14.3	ug/Kg
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	280	J		14.6	ug/Kg

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

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

Surrogate Summary

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1447-01	WC1	1,2-Dichloroethane-d4	50	58.0	116	70 (63)	130 (155)
		Dibromofluoromethane	50	51.7	103	70 (70)	130 (134)
		Toluene-d8	50	47.6	95	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.5	97	70 (38)	130 (136)
VY0305SBL01	VY0305SBL01	1,2-Dichloroethane-d4	50	57.5	115	70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101	70 (70)	130 (134)
		Toluene-d8	50	48.2	96	70 (74)	130 (123)
		4-Bromofluorobenzene	50	43.8	88	70 (38)	130 (136)
VY0305SBS01	VY0305SBS01	1,2-Dichloroethane-d4	50	58.9	118	70 (63)	130 (155)
		Dibromofluoromethane	50	54.7	109	70 (70)	130 (134)
		Toluene-d8	50	54.1	108	70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.7	109	70 (38)	130 (136)
VY0305SBSD01	VY0305SBSD01	1,2-Dichloroethane-d4	50	55.3	110	70 (63)	130 (155)
		Dibromofluoromethane	50	52.4	105	70 (70)	130 (134)
		Toluene-d8	50	52.5	105	70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.2	104	70 (38)	130 (136)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021408.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0305SBS01	Dichlorodifluoromethane	20	18.0	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	20	19.8	ug/Kg	99			40 (70)	160 (130)	
	Vinyl chloride	20	20.1	ug/Kg	101			70 (72)	130 (129)	
	Bromomethane	20	22.6	ug/Kg	113			40 (58)	160 (141)	
	Chloroethane	20	20.9	ug/Kg	104			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.8	ug/Kg	99			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/Kg	96			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.0	ug/Kg	95			70 (79)	130 (121)	
	Acetone	100	84.6	ug/Kg	85			40 (60)	160 (131)	
	Carbon disulfide	20	18.6	ug/Kg	93			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.2	ug/Kg	101			70 (77)	130 (129)	
	Methyl Acetate	20	21.9	ug/Kg	110			70 (69)	130 (149)	
	Methylene Chloride	20	20.9	ug/Kg	104			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.2	ug/Kg	96			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (123)	
	Cyclohexane	20	18.3	ug/Kg	92			70 (76)	130 (122)	
	2-Butanone	100	95.9	ug/Kg	96			40 (69)	160 (131)	
	Carbon Tetrachloride	20	17.9	ug/Kg	90			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98			70 (82)	130 (123)	
	Bromochloromethane	20	23.3	ug/Kg	117			70 (80)	130 (127)	
	Chloroform	20	20.2	ug/Kg	101			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.4	ug/Kg	97			70 (80)	130 (126)	
	Methylcyclohexane	20	17.5	ug/Kg	88			70 (77)	130 (123)	
	Benzene	20	18.7	ug/Kg	94			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.7	ug/Kg	99			70 (81)	130 (126)	
	Trichloroethene	20	18.4	ug/Kg	92			70 (83)	130 (122)	
	1,2-Dichloropropane	20	19.5	ug/Kg	98			70 (83)	130 (122)	
	Bromodichloromethane	20	19.5	ug/Kg	98			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	18.8	ug/Kg	94			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.1	ug/Kg	96			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.0	ug/Kg	95			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (125)	
	2-Hexanone	100	98.5	ug/Kg	99			40 (66)	160 (138)	
	Dibromochloromethane	20	19.3	ug/Kg	97			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.7	ug/Kg	99			70 (80)	130 (125)	
	Tetrachloroethene	20	18.6	ug/Kg	93			70 (83)	130 (125)	
	Chlorobenzene	20	18.3	ug/Kg	92			70 (84)	130 (122)	
	Ethyl Benzene	20	17.8	ug/Kg	89			70 (82)	130 (124)	
	m/p-Xylenes	40	36.1	ug/Kg	90			70 (83)	130 (124)	
	o-Xylene	20	18.5	ug/Kg	93			70 (83)	130 (123)	
	Styrene	20	18.5	ug/Kg	93			70 (82)	130 (124)	
	Bromoform	20	19.1	ug/Kg	96			70 (75)	130 (127)	
	Isopropylbenzene	20	17.2	ug/Kg	86			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/Kg	97			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	17.9	ug/Kg	90			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	18.1	ug/Kg	91			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	18.3	ug/Kg	92			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021408.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0305SBS01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.0	ug/Kg	90			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021409.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0305SBSD01	Dichlorodifluoromethane	20	18.1	ug/Kg	91	1		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.7	ug/Kg	99	0		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	20.1	ug/Kg	101	0		70 (72)	130 (129)	30 (20)
	Bromomethane	20	19.9	ug/Kg	100	12		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.2	ug/Kg	101	3		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	18.8	ug/Kg	94	5		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/Kg	91	5		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	18.5	ug/Kg	93	2		70 (79)	130 (121)	30 (20)
	Acetone	100	81.0	ug/Kg	81	5		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	18.3	ug/Kg	92	1		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95	6		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.4	ug/Kg	102	8		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	19.4	ug/Kg	97	7		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	18.3	ug/Kg	92	4		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	19.1	ug/Kg	96	4		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	17.4	ug/Kg	87	6		70 (76)	130 (122)	30 (20)
	2-Butanone	100	90.3	ug/Kg	90	6		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	17.7	ug/Kg	89	1		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	18.5	ug/Kg	93	5		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.3	ug/Kg	102	14		70 (80)	130 (127)	30 (20)
	Chloroform	20	19.0	ug/Kg	95	6		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	18.2	ug/Kg	91	6		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	16.9	ug/Kg	85	3		70 (77)	130 (123)	30 (20)
	Benzene	20	18.5	ug/Kg	93	1		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	19.2	ug/Kg	96	3		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	17.9	ug/Kg	90	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	18.5	ug/Kg	93	5		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	18.4	ug/Kg	92	6		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	95.6	ug/Kg	96	4		40 (70)	160 (135)	30 (20)
	Toluene	20	18.2	ug/Kg	91	3		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	18.7	ug/Kg	94	2		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	18.2	ug/Kg	91	4		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	19.2	ug/Kg	96	5		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	94.7	ug/Kg	95	4		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	18.5	ug/Kg	93	4		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	18.9	ug/Kg	95	4		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	18.1	ug/Kg	91	2		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	17.9	ug/Kg	90	2		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	17.5	ug/Kg	88	1		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	35.3	ug/Kg	88	2		70 (83)	130 (124)	30 (20)
	o-Xylene	20	17.6	ug/Kg	88	6		70 (83)	130 (123)	30 (20)
	Styrene	20	18.2	ug/Kg	91	2		70 (82)	130 (124)	30 (20)
	Bromoform	20	18.5	ug/Kg	93	3		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	17.2	ug/Kg	86	0		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	18.5	ug/Kg	93	4		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	17.6	ug/Kg	88	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	17.5	ug/Kg	88	3		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	17.8	ug/Kg	89	3		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021409.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0305SBSD01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97	1		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	17.6	ug/Kg	88	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	17.7	ug/Kg	89	2		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0305SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021407.D Lab Sample ID: VY0305SBL01

Date Analyzed: 03/05/2025 Time Analyzed: 12:02

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0305SBS01	VY0305SBS01	VY021408.D	03/05/2025
VY0305SBSD01	VY0305SBSD01	VY021409.D	03/05/2025
WC1	Q1447-01	VY021412.D	03/05/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021395.D BFB Injection Date: 03/04/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	54.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6.6 (8.4) 1
176	95.0 - 101.0% of mass 174	75.7 (97.2) 1
177	5.0 - 9.0% of mass 176	5 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

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
VSTDICC010	VSTDICC010	VY021397.D	03/04/2025	09:46
VSTDICC020	VSTDICC020	VY021398.D	03/04/2025	10:09
VSTDICCC050	VSTDICCC050	VY021399.D	03/04/2025	10:30
VSTDICC100	VSTDICC100	VY021400.D	03/04/2025	11:06
VSTDICC150	VSTDICC150	VY021401.D	03/04/2025	11:29
VSTDICC005	VSTDICC005	VY021403.D	03/04/2025	12:15

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021405.D BFB Injection Date: 03/05/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:41

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.2 (1.5) 1
174	50.0 - 100.0% of mass 95	81.2
175	5.0 - 9.0% of mass 174	6.6 (8.1) 1
176	95.0 - 101.0% of mass 174	77.7 (95.7) 1
177	5.0 - 9.0% of mass 176	5 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

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
VSTDCCC050	VSTDCCC050	VY021406.D	03/05/2025	11:39
VY0305SBL01	VY0305SBL01	VY021407.D	03/05/2025	12:02
VY0305SBS01	VY0305SBS01	VY021408.D	03/05/2025	13:23
VY0305SBSD01	VY0305SBSD01	VY021409.D	03/05/2025	13:45
WC1	Q1447-01	VY021412.D	03/05/2025	14:58

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021406.D Date Analyzed: 03/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:39

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	253694	7.71	393321	8.62	351518	11.41
UPPER LIMIT	507388	8.207	786642	9.116	703036	11.914
LOWER LIMIT	126847	7.207	196661	8.116	175759	10.914
EPA SAMPLE NO.						
WC1	247210	7.71	461499	8.61	408888	11.41
VY0305SBL01	222723	7.71	373589	8.62	318454	11.41
VY0305SBS01	201041	7.71	324142	8.62	291860	11.42
VY0305SBSD01	219622	7.71	350519	8.62	311213	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021406.D Date Analyzed: 03/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:39

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	179824	13.346				
UPPER LIMIT	359648	13.846				
LOWER LIMIT	89912	12.846				
EPA SAMPLE NO.						
WC1	164565	13.35				
VY0305SBL01	140807	13.35				
VY0305SBS01	150751	13.35				
VY0305SBSD01	157165	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBL01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021407.D	1		03/05/25 12:02	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBL01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021407.D	1		03/05/25 12:02	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.5		70 (63) - 130 (155)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (74) - 130 (123)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		70 (38) - 130 (136)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223000	7.707			
540-36-3	1,4-Difluorobenzene	374000	8.616			
3114-55-4	Chlorobenzene-d5	318000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBL01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021407.D	1		03/05/25 12:02	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBS01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021408.D	1		03/05/25 13:23	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.0		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.77	5.00	ug/Kg
74-83-9	Bromomethane	22.6		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.9		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.0		0.78	5.00	ug/Kg
67-64-1	Acetone	84.6		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.6		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.2		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.9		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.9		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.2		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.0		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.3		0.69	5.00	ug/Kg
78-93-3	2-Butanone	95.9		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	17.9		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	23.3		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.2		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.4		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.5		0.87	5.00	ug/Kg
71-43-2	Benzene	18.7		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.7		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.4		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.5		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	18.8		0.67	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBS01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021408.D	1		03/05/25 13:23	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.1		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.0		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	98.5		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.3		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.7		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.6		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.3		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	17.8		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	36.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.5		0.70	5.00	ug/Kg
100-42-5	Styrene	18.5		0.60	5.00	ug/Kg
75-25-2	Bromoform	19.1		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.9		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.1		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	18.3		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.0		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.1		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.9		70 (63) - 130 (155)	118%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		70 (70) - 130 (134)	109%	SPK: 50
2037-26-5	Toluene-d8	54.1		70 (74) - 130 (123)	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		70 (38) - 130 (136)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	7.707			
540-36-3	1,4-Difluorobenzene	324000	8.615			
3114-55-4	Chlorobenzene-d5	292000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBS01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021408.D	1		03/05/25 13:23	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBSD01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021409.D	1		03/05/25 13:45	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.1		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.7		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.2		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.5		0.78	5.00	ug/Kg
67-64-1	Acetone	81.0		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.3		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.0		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.4		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.3		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.1		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.4		0.69	5.00	ug/Kg
78-93-3	2-Butanone	90.3		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	17.7		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		2.40	5.00	ug/Kg
67-66-3	Chloroform	19.0		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	18.2		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	16.9		0.87	5.00	ug/Kg
71-43-2	Benzene	18.5		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.2		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	17.9		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	18.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	18.4		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.6		4.40	25.0	ug/Kg
108-88-3	Toluene	18.2		0.67	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBSD01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021409.D	1		03/05/25 13:45	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	18.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.2		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	94.7		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	18.5		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.1		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	17.9		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	17.5		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	35.3		1.40	10.0	ug/Kg
95-47-6	o-Xylene	17.6		0.70	5.00	ug/Kg
100-42-5	Styrene	18.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.5		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.5		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.6		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	17.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	17.8		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.6		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.7		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	52.5		70 (74) - 130 (123)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		70 (38) - 130 (136)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	7.707			
540-36-3	1,4-Difluorobenzene	351000	8.616			
3114-55-4	Chlorobenzene-d5	311000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBSD01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021409.D	1		03/05/25 13:45	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.493	0.416	0.447	0.440	0.429	0.529	0.459	9.4
Chloromethane	0.694	0.588	0.617	0.608	0.580	0.793	0.647	12.7
Vinyl Chloride	0.762	0.639	0.691	0.706	0.665	0.778	0.707	7.7
Bromomethane	0.555	0.450	0.468	0.483	0.468	0.641	0.511	14.4
Chloroethane	0.505	0.427	0.460	0.458	0.432	0.521	0.467	8.2
Trichlorofluoromethane	1.050	0.896	0.967	0.963	0.935	1.109	0.987	8
1,1,2-Trichlorotrifluoroethane	0.600	0.507	0.538	0.542	0.525	0.668	0.563	10.7
1,1-Dichloroethene	0.542	0.460	0.506	0.512	0.494	0.566	0.514	7.2
Acetone	0.124	0.091	0.134	0.103	0.095	0.144	0.115	18.9
Carbon Disulfide	1.705	1.425	1.631	1.618	1.546	1.732	1.610	7
Methyl tert-butyl Ether	1.290	1.177	1.366	1.299	1.315	1.364	1.302	5.3
Methyl Acetate	0.253	0.227	0.284	0.245	0.257	0.268	0.256	7.6
Methylene Chloride	0.717	0.538	0.552	0.530	0.507	0.788	0.605	19.4
trans-1,2-Dichloroethene	0.608	0.516	0.564	0.570	0.545	0.648	0.575	8.1
1,1-Dichloroethane	1.124	0.955	1.050	1.035	0.991	1.179	1.056	7.9
Cyclohexane	1.039	0.885	0.941	0.943	0.914	1.216	0.990	12.4
2-Butanone	0.160	0.136	0.181	0.149	0.151	0.180	0.159	11.2
Carbon Tetrachloride	0.627	0.538	0.587	0.595	0.579	0.625	0.592	5.6
cis-1,2-Dichloroethene	0.675	0.592	0.654	0.658	0.639	0.702	0.653	5.6
Bromochloromethane	0.481	0.423	0.467	0.426	0.380	0.478	0.443	9
Chloroform	1.181	0.992	1.087	1.066	1.029	1.222	1.096	8.1
1,1,1-Trichloroethane	1.063	0.894	0.978	0.983	0.953	1.151	1.004	9
Methylcyclohexane	0.595	0.550	0.651	0.680	0.669	0.641	0.631	7.8
Benzene	1.554	1.366	1.542	1.540	1.473	1.618	1.515	5.7
1,2-Dichloroethane	0.446	0.386	0.436	0.414	0.408	0.453	0.424	6.1
Trichloroethene	0.390	0.349	0.381	0.384	0.378	0.415	0.383	5.5
1,2-Dichloropropane	0.371	0.333	0.368	0.358	0.347	0.388	0.361	5.3
Bromodichloromethane	0.550	0.485	0.548	0.535	0.521	0.559	0.533	5
4-Methyl-2-Pentanone	0.210	0.202	0.263	0.230	0.243	0.219	0.228	9.9
Toluene	0.952	0.853	0.988	0.997	0.958	0.983	0.955	5.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.447	0.420	0.499	0.495	0.495	0.461	0.470	6.8
cis-1,3-Dichloropropene	0.544	0.498	0.587	0.579	0.566	0.570	0.557	5.8
1,1,2-Trichloroethane	0.264	0.237	0.283	0.259	0.257	0.274	0.263	6
2-Hexanone	0.135	0.129	0.182	0.156	0.163	0.139	0.151	13.1
Dibromochloromethane	0.358	0.327	0.376	0.363	0.361	0.374	0.360	4.9
1,2-Dibromoethane	0.246	0.226	0.262	0.248	0.247	0.258	0.248	5.1
Tetrachloroethene	0.418	0.370	0.403	0.407	0.393	0.449	0.407	6.5
Chlorobenzene	1.194	1.065	1.186	1.192	1.165	1.283	1.181	5.9
Ethyl Benzene	2.005	1.825	2.135	2.209	2.146	2.115	2.072	6.7
m/p-Xylenes	0.761	0.705	0.822	0.833	0.803	0.797	0.787	6
o-Xylene	0.700	0.635	0.759	0.779	0.754	0.723	0.725	7.2
Styrene	1.133	1.084	1.277	1.306	1.267	1.151	1.203	7.6
Bromoform	0.227	0.213	0.250	0.237	0.238	0.235	0.233	5.3
Isopropylbenzene	3.797	3.468	4.034	4.231	4.124	3.977	3.939	6.9
1,1,2,2-Tetrachloroethane	0.712	0.637	0.727	0.667	0.690	0.737	0.695	5.4
1,3-Dichlorobenzene	1.861	1.640	1.812	1.840	1.822	2.031	1.834	6.8
1,4-Dichlorobenzene	1.820	1.624	1.782	1.783	1.764	1.989	1.794	6.5
1,2-Dichlorobenzene	1.561	1.431	1.588	1.568	1.560	1.723	1.572	5.9
1,2-Dibromo-3-Chloropropane	0.101	0.092	0.108	0.098	0.108	0.117	0.104	8.3
1,2,4-Trichlorobenzene	0.723	0.735	0.908	0.926	0.994	0.864	0.859	12.7
1,2,3-Trichlorobenzene	0.604	0.614	0.775	0.771	0.835	0.734	0.722	13
1,2-Dichloroethane-d4	0.580	0.514	0.482	0.511	0.477	0.606	0.528	10
Dibromofluoromethane	0.348	0.315	0.296	0.332	0.311	0.371	0.329	8.3
Toluene-d8	1.276	1.179	1.135	1.289	1.203	1.384	1.244	7.2
4-Bromofluorobenzene	0.424	0.394	0.386	0.433	0.405	0.498	0.423	9.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: MSVOA_Y Calibration Date/Time: 03/05/2025 11:39

Lab File ID: VY021406.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.459	0.395		-13.94	20
Chloromethane	0.647	0.602	0.1	-6.95	20
Vinyl Chloride	0.707	0.693		-1.98	20
Bromomethane	0.511	0.454		-11.15	20
Chloroethane	0.467	0.460		-1.5	20
Trichlorofluoromethane	0.987	0.928		-5.98	20
1,1,2-Trichlorotrifluoroethane	0.563	0.488		-13.32	20
1,1-Dichloroethene	0.514	0.465		-9.53	20
Acetone	0.115	0.107		-6.96	20
Carbon Disulfide	1.610	1.471		-8.63	20
Methyl tert-butyl Ether	1.302	1.315		1	20
Methyl Acetate	0.256	0.275		7.42	20
Methylene Chloride	0.605	0.523		-13.55	20
trans-1,2-Dichloroethene	0.575	0.527		-8.35	20
1,1-Dichloroethane	1.056	0.976	0.1	-7.58	20
Cyclohexane	0.990	0.822		-16.97	20
2-Butanone	0.159	0.162		1.89	20
Carbon Tetrachloride	0.592	0.529		-10.64	20
cis-1,2-Dichloroethene	0.653	0.616		-5.67	20
Bromochloromethane	0.443	0.392		-11.51	20
Chloroform	1.096	1.005		-8.3	20
1,1,1-Trichloroethane	1.004	0.905		-9.86	20
Methylcyclohexane	0.631	0.545		-13.63	20
Benzene	1.515	1.400		-7.59	20
1,2-Dichloroethane	0.424	0.407		-4.01	20
Trichloroethene	0.383	0.353		-7.83	20
1,2-Dichloropropane	0.361	0.339		-6.09	20
Bromodichloromethane	0.533	0.504		-5.44	20
4-Methyl-2-Pentanone	0.228	0.249		9.21	20
Toluene	0.955	0.888		-7.02	20
t-1,3-Dichloropropene	0.470	0.463		-1.49	20
cis-1,3-Dichloropropene	0.557	0.541		-2.87	20
1,1,2-Trichloroethane	0.263	0.255		-3.04	20
2-Hexanone	0.151	0.169		11.92	20
Dibromochloromethane	0.360	0.353		-1.94	20
1,2-Dibromoethane	0.248	0.244		-1.61	20
Tetrachloroethene	0.407	0.367		-9.83	20
Chlorobenzene	1.181	1.084	0.3	-8.21	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: MSVOA_Y Calibration Date/Time: 03/05/2025 11:39

Lab File ID: VY021406.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.072	1.909		-7.87	20
m/p-Xylenes	0.787	0.728		-7.5	20
o-Xylene	0.725	0.686		-5.38	20
Styrene	1.203	1.164		-3.24	20
Bromoform	0.233	0.234	0.1	0.43	20
Isopropylbenzene	3.939	3.479		-11.68	20
1,1,2,2-Tetrachloroethane	0.695	0.670	0.3	-3.6	20
1,3-Dichlorobenzene	1.834	1.630		-11.12	20
1,4-Dichlorobenzene	1.794	1.611		-10.2	20
1,2-Dichlorobenzene	1.572	1.457		-7.32	20
1,2-Dibromo-3-Chloropropane	0.104	0.104		0	20
1,2,4-Trichlorobenzene	0.859	0.825		-3.96	20
1,2,3-Trichlorobenzene	0.722	0.707		-2.08	20
1,2-Dichloroethane-d4	0.528	0.563		6.63	20
Dibromofluoromethane	0.329	0.348		5.78	20
Toluene-d8	1.244	1.298		4.34	20
4-Bromofluorobenzene	0.423	0.449		6.15	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Time: Mar 05 17:51:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

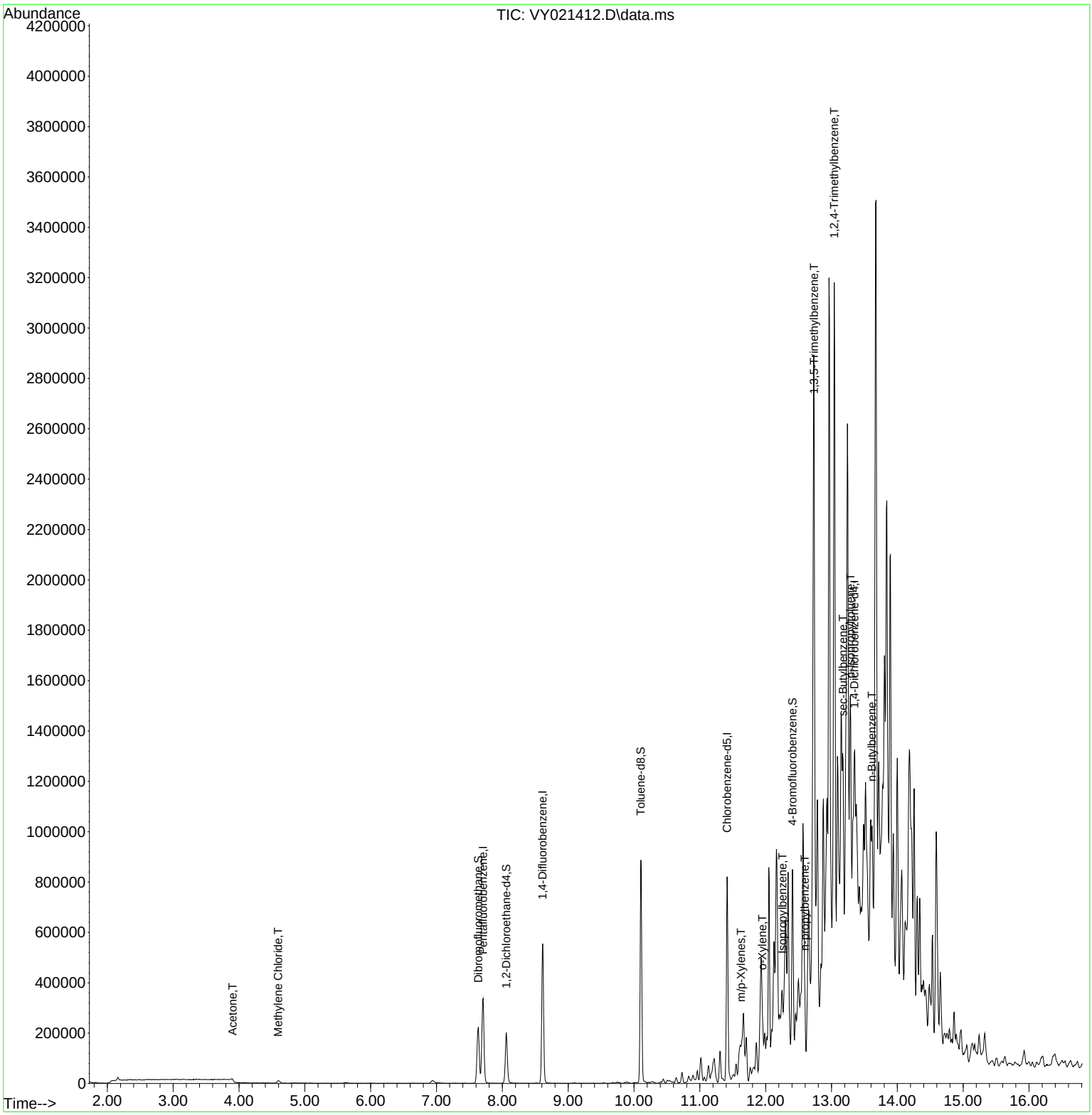
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	247210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	461499	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	408888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	164565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151598	58.020	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.040%			
35) Dibromofluoromethane	7.634	113	156879	51.716	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.440%			
50) Toluene-d8	10.103	98	546969	47.621	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.240%			
62) 4-Bromofluorobenzene	12.408	95	189629	48.536	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.080%			
Target Compounds						Qvalue
16) Acetone	3.903	43	6429	11.281	ug/l #	80
20) Methylene Chloride	4.592	84	7117	2.379	ug/l	89
68) m/p-Xylenes	11.627	106	23361	3.631	ug/l	100
69) o-Xylene	11.950	106	12601	2.125	ug/l	86
73) Isopropylbenzene	12.255	105	46671	3.600	ug/l	99
78) n-propylbenzene	12.597	91	138761	8.814	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	88951	8.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1220706	116.706	ug/l	100
85) sec-Butylbenzene	13.176	105	194182	13.887	ug/l #	72
86) p-Isopropyltoluene	13.292	119	32897	2.856	ug/l	99
89) n-Butylbenzene	13.615	91	245543	23.083	ug/l #	74

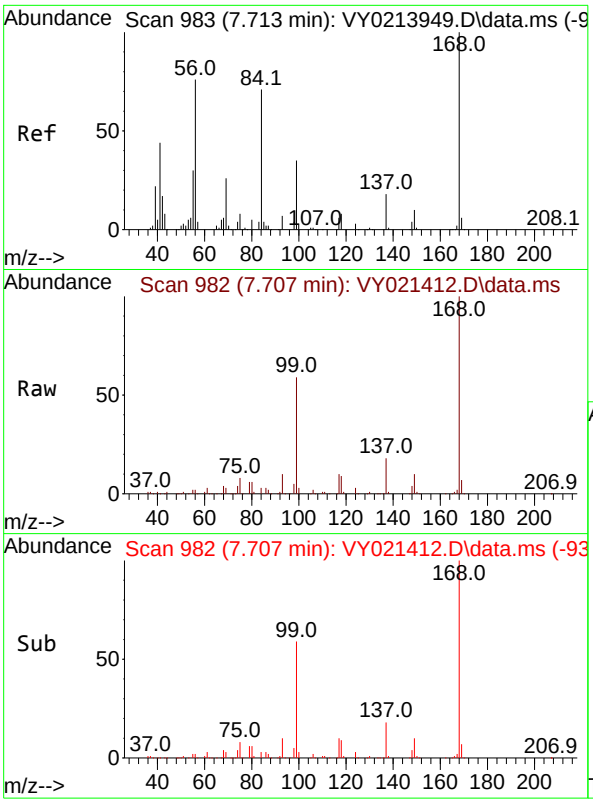
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Time: Mar 05 17:51:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



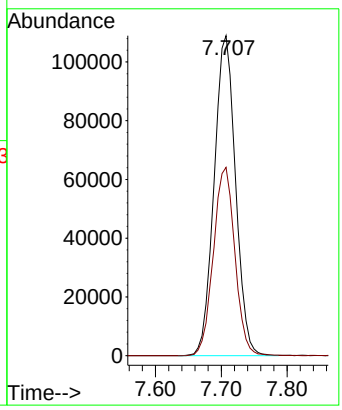


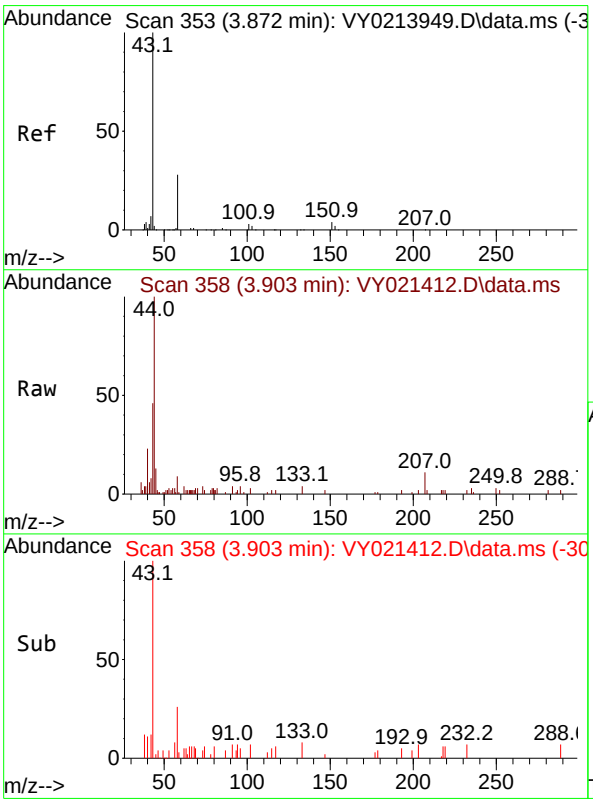
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:168 Resp: 247210

Ion	Ratio	Lower	Upper
168	100		
99	58.8	46.0	69.0

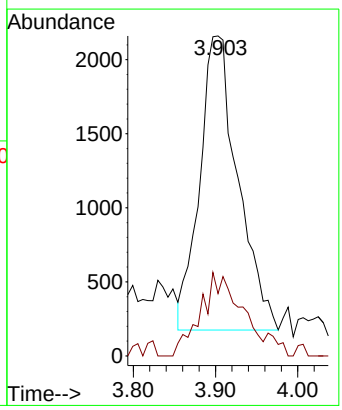




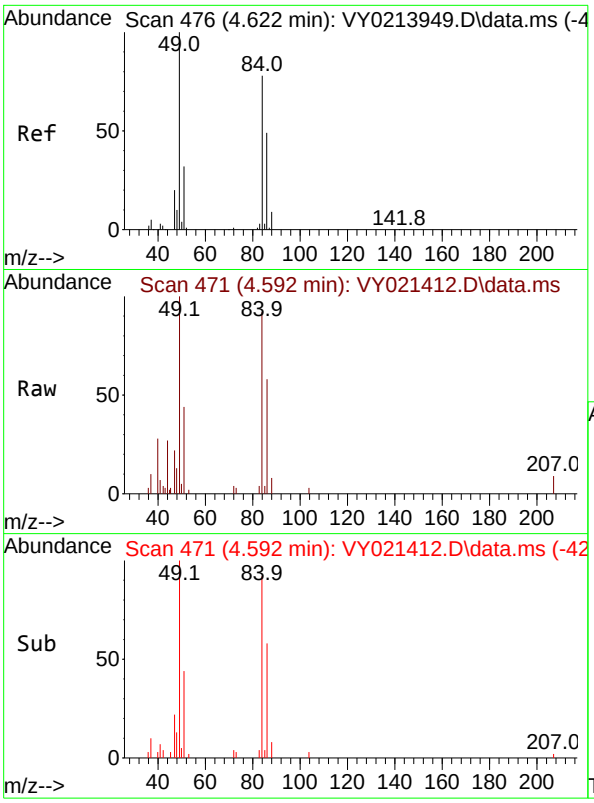
#16
Acetone
Concen: 11.281 ug/l
RT: 3.903 min Scan# 358
Delta R.T. 0.031 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 43 Resp: 6429

Ion	Ratio	Lower	Upper
43	100		
58	17.3	22.1	33.1#



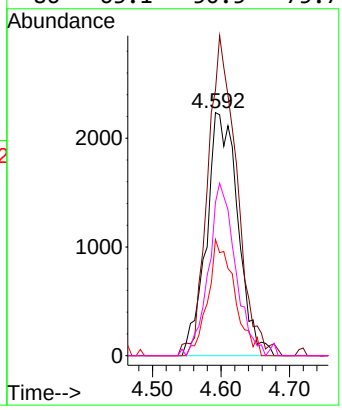
Instrument :
MSVOA_Y
ClientSampleId :
WC1

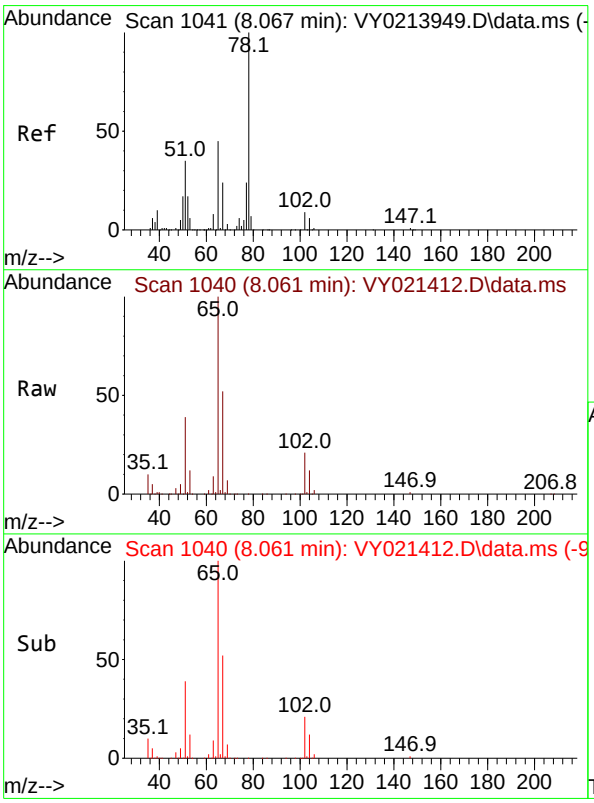


#20
Methylene Chloride
Concen: 2.379 ug/l
RT: 4.592 min Scan# 4
Delta R.T. -0.030 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 84 Resp: 7117

Ion	Ratio	Lower	Upper
84	100		
49	109.2	102.0	153.0
51	47.8	33.0	49.6
86	63.1	50.5	75.7

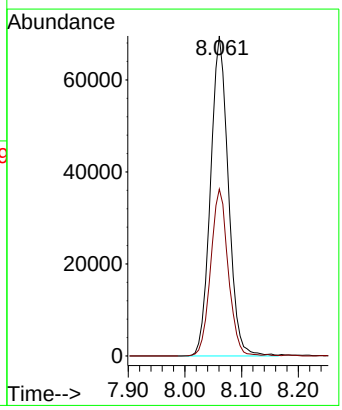


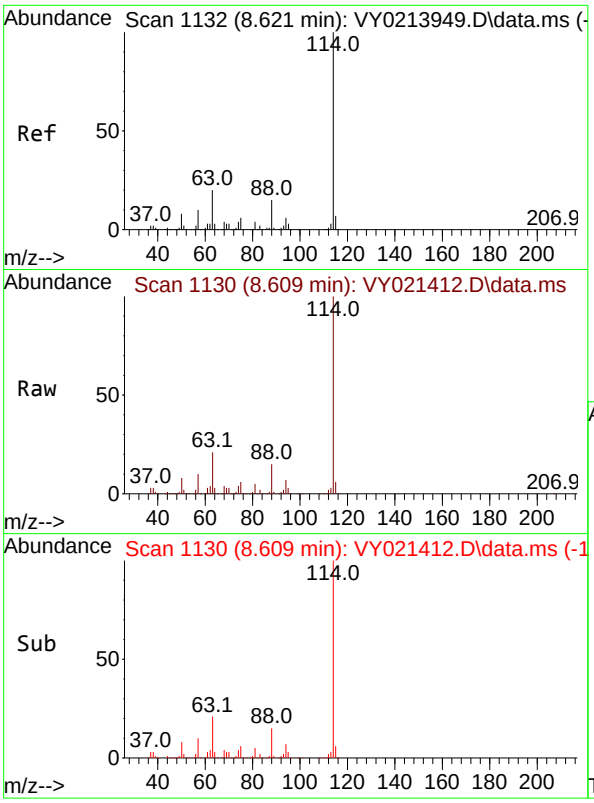


#33
1,2-Dichloroethane-d4
Concen: 58.020 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 65 Resp: 151598

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.8



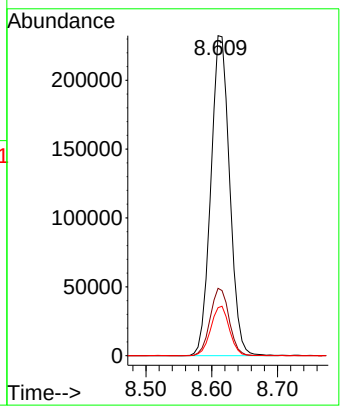


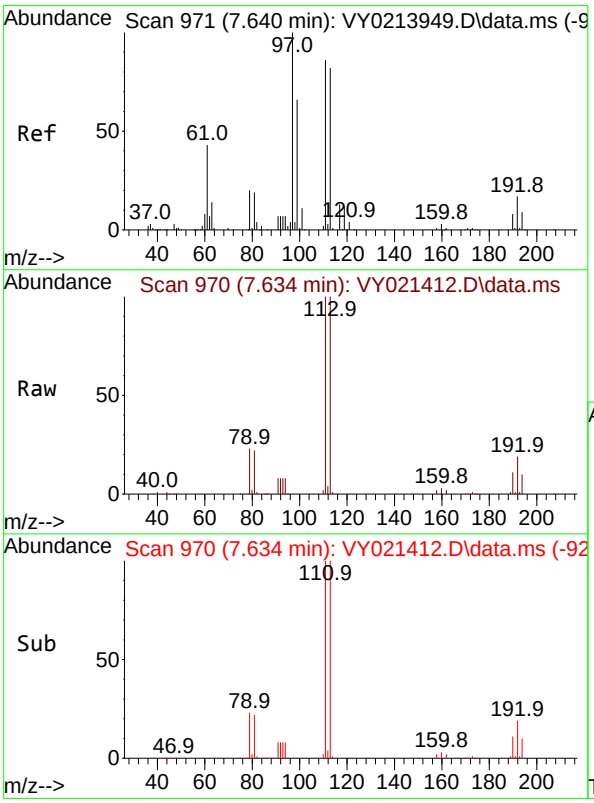
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:114 Resp: 461499

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.8
88	15.0	0.0	30.8

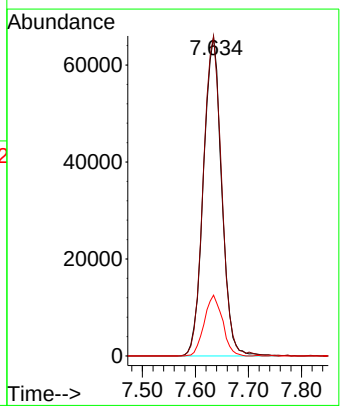


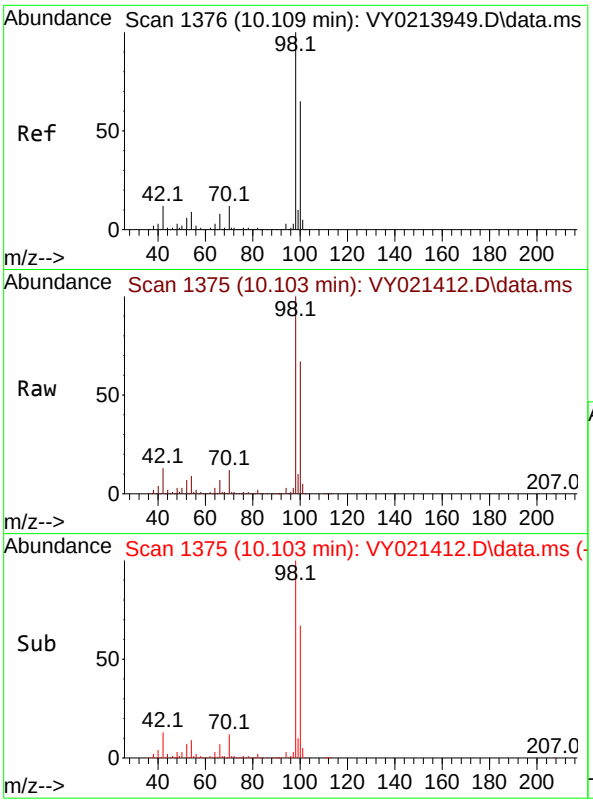


#35
Dibromofluoromethane
Concen: 51.716 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:113 Resp: 156879

Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.0	123.0
192	19.1	15.9	23.9



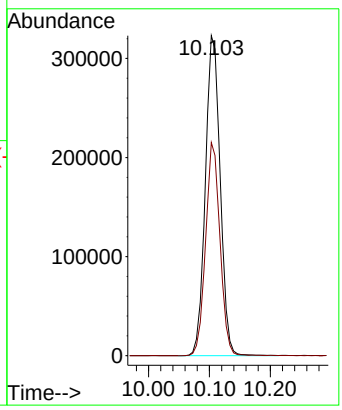


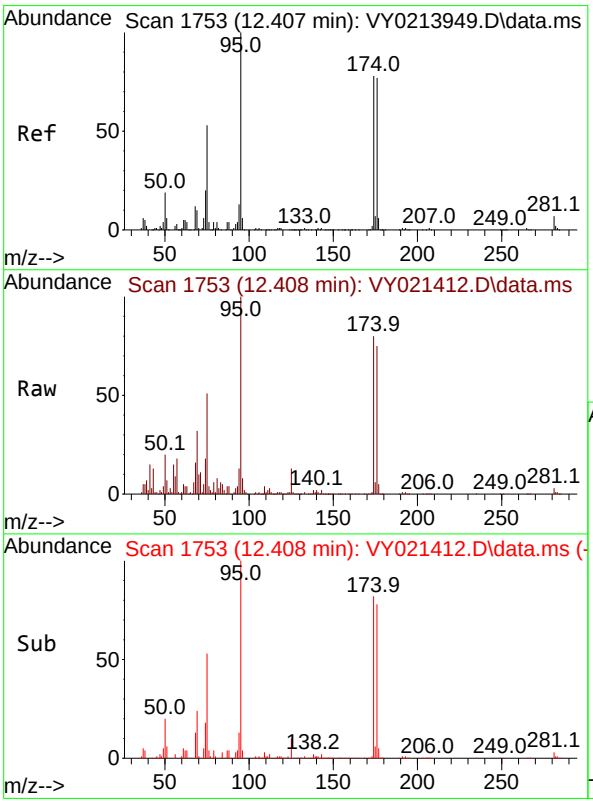
#50
Toluene-d8
Concen: 47.621 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion: 98 Resp: 546969

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

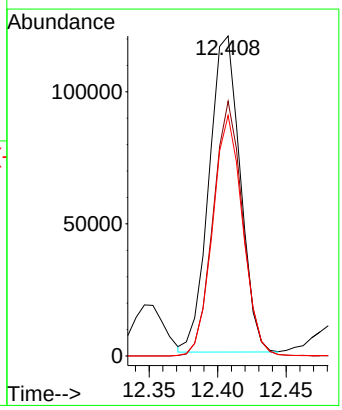


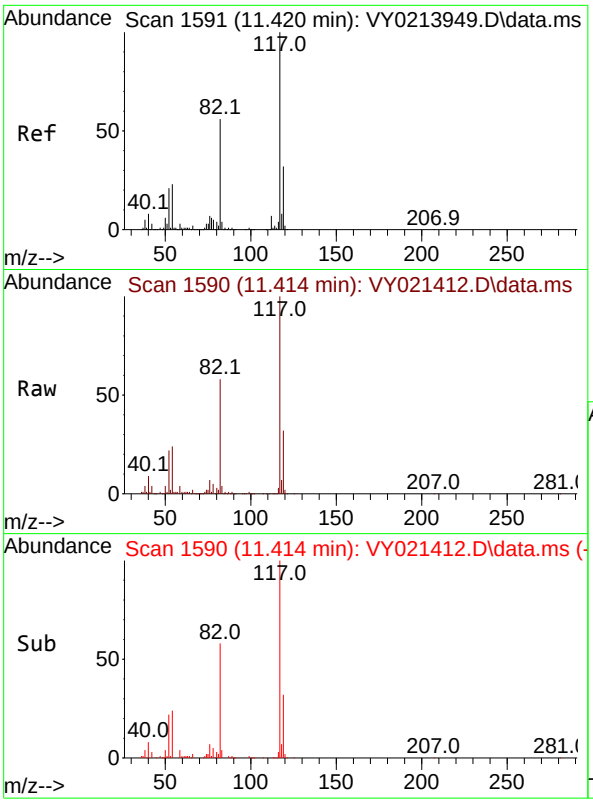


#62
4-Bromofluorobenzene
Concen: 48.536 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 95 Resp: 189629

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	165.0
176	73.1	0.0	160.0



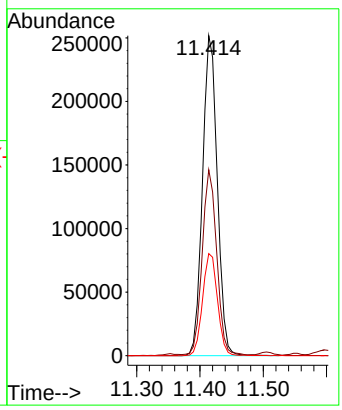


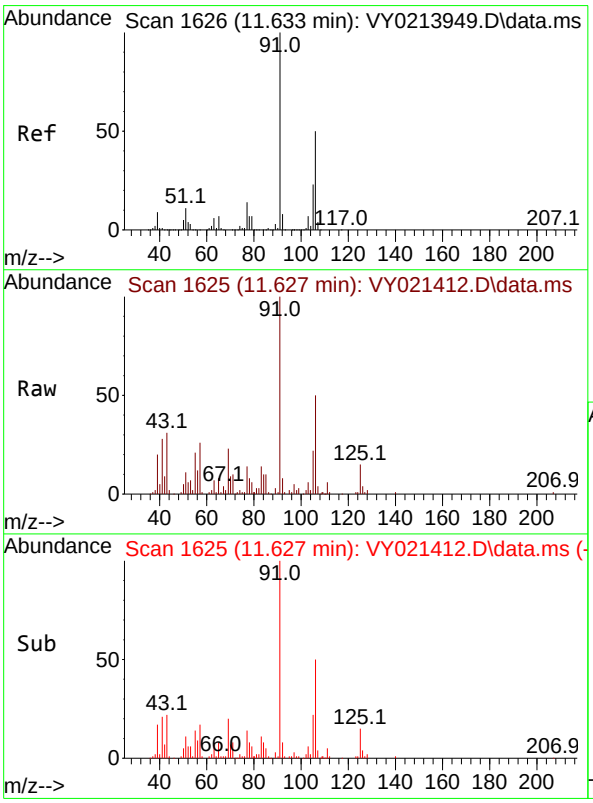
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:117 Resp: 408888

Ion	Ratio	Lower	Upper
117	100		
82	57.7	44.6	67.0
119	31.9	25.4	38.0

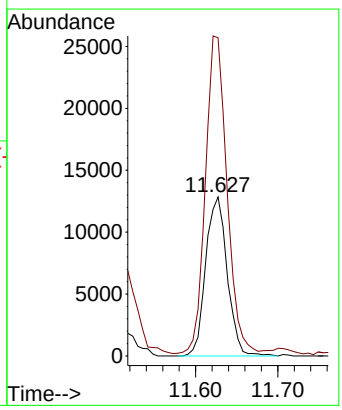


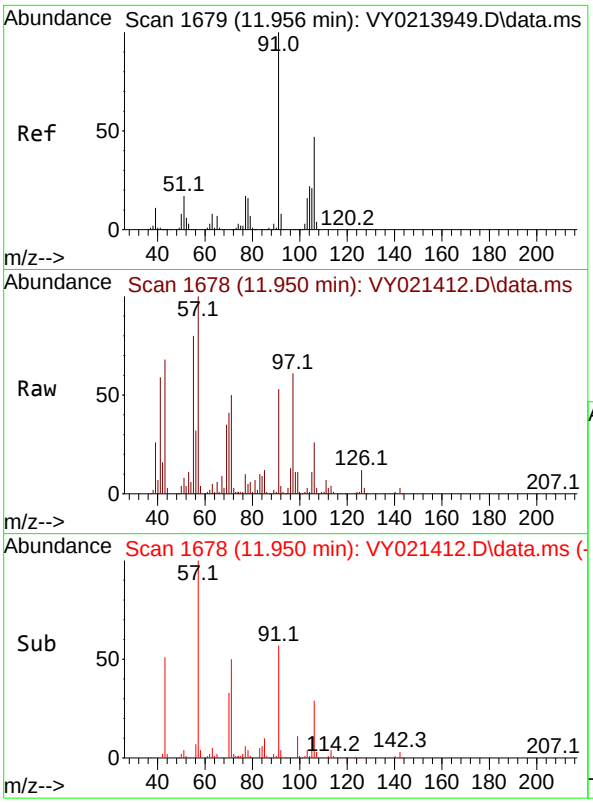


#68
m/p-Xylenes
Concen: 3.631 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:106 Resp: 23361

Ion	Ratio	Lower	Upper
106	100		
91	202.1	161.7	242.5



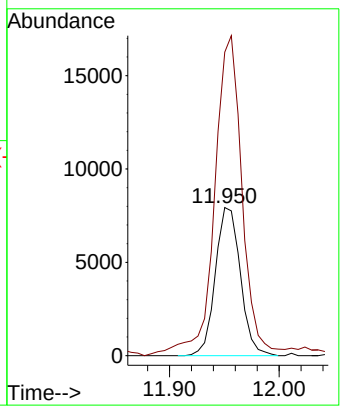


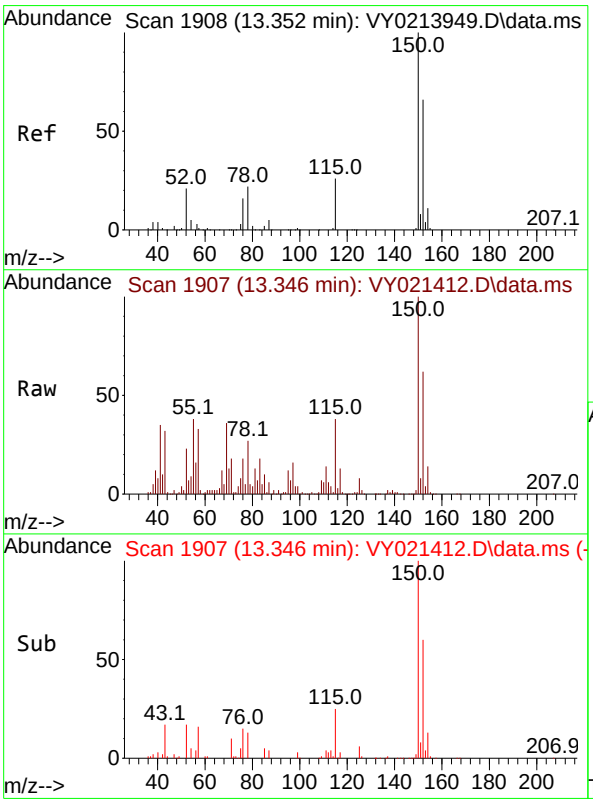
#69
o-Xylene
Concen: 2.125 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:106 Resp: 12601

Ion	Ratio	Lower	Upper
106	100		
91	238.0	107.6	322.8

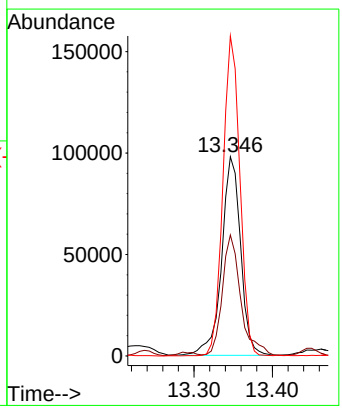


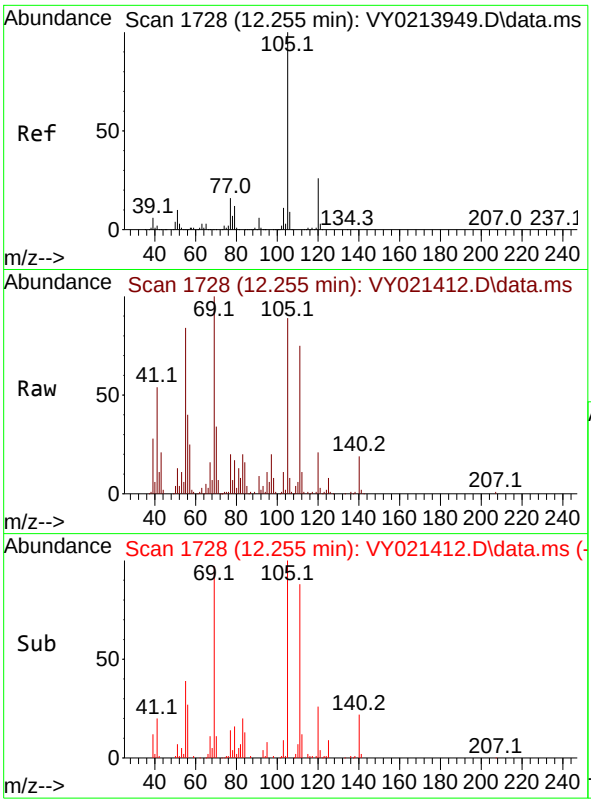


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:152 Resp: 164565

Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.0	87.0
150	144.6	0.0	347.2



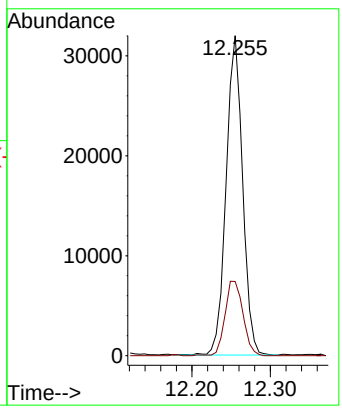


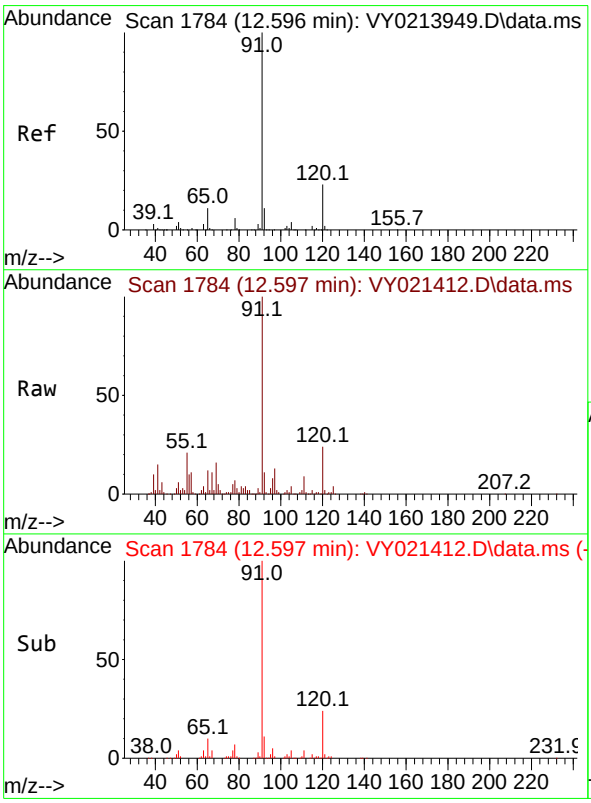
#73
Isopropylbenzene
Concen: 3.600 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:105 Resp: 46671

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.3

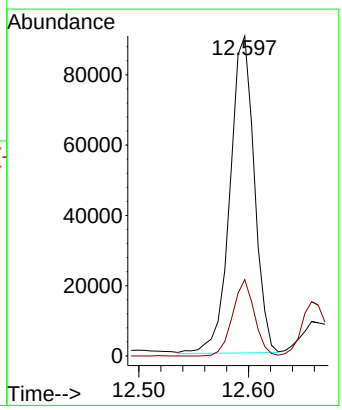


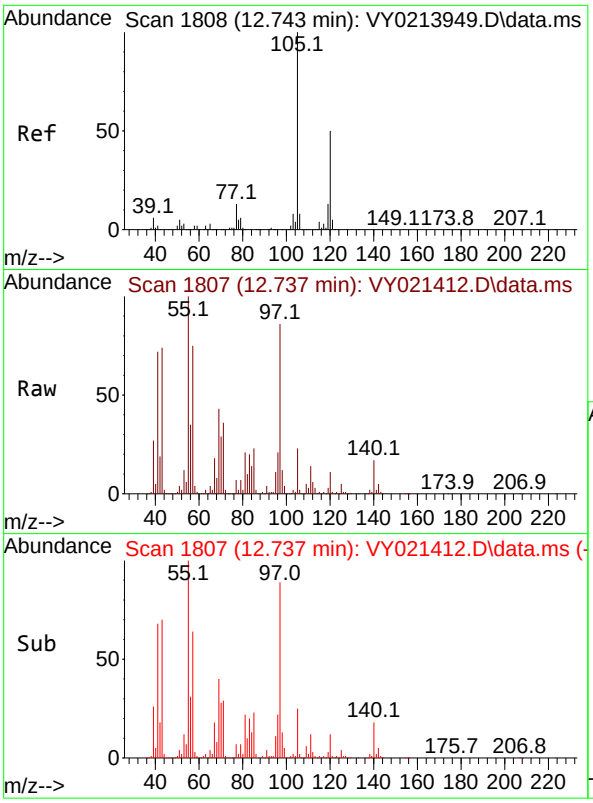


#78
n-propylbenzene
Concen: 8.814 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 91 Resp: 138761

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.3	33.8



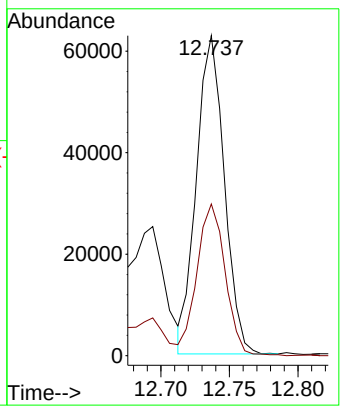


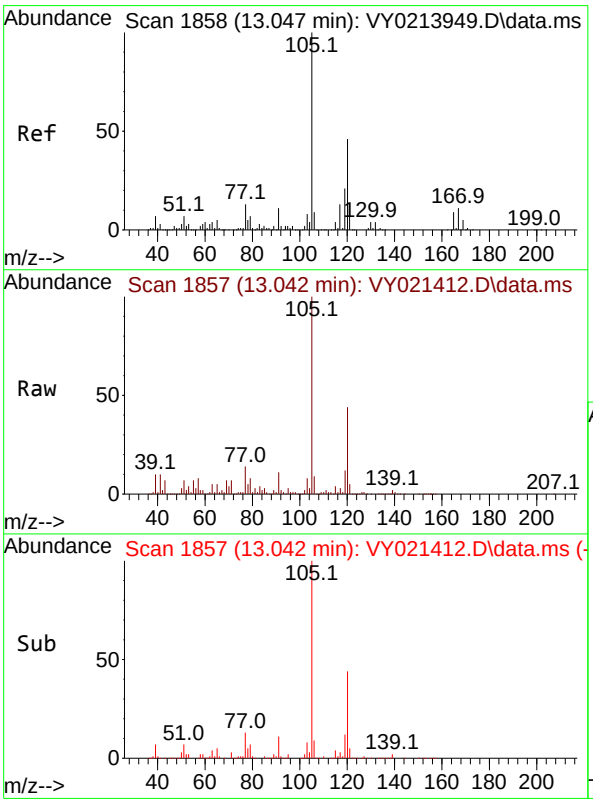
#80
1,3,5-Trimethylbenzene
Concen: 8.444 ug/l
RT: 12.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:105 Resp: 88951

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.6	73.6

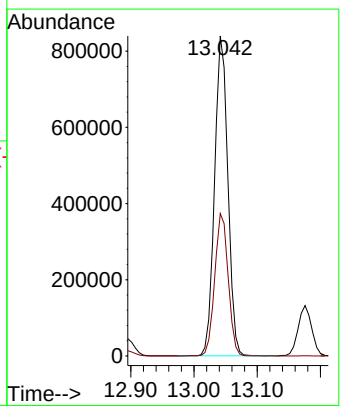


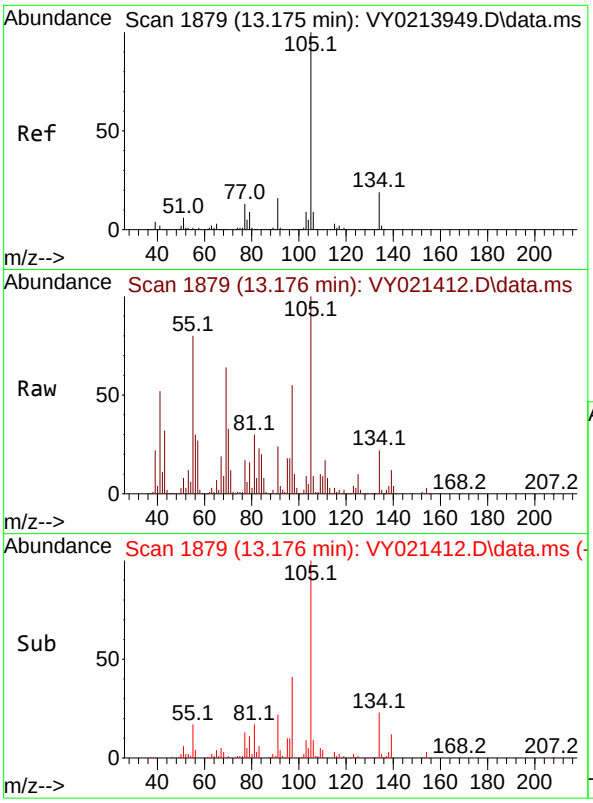


#84
1,2,4-Trimethylbenzene
Concen: 116.706 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:105 Resp: 1220706

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.7	68.1



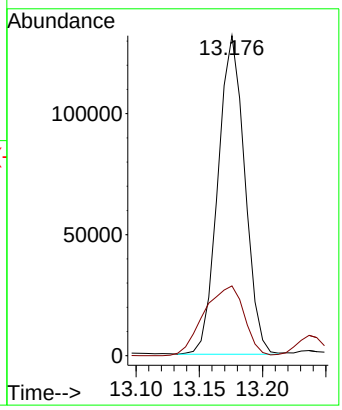


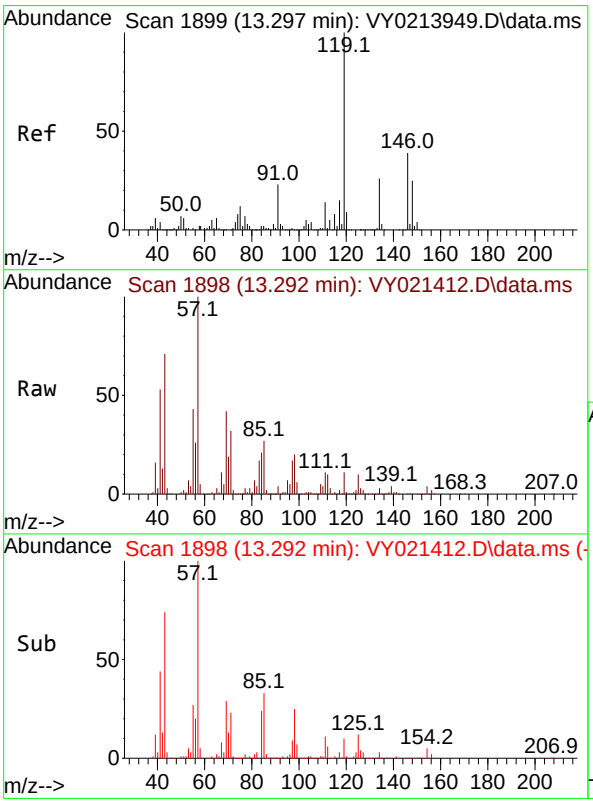
#85
sec-Butylbenzene
Concen: 13.887 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:105 Resp: 194182

Ion	Ratio	Lower	Upper
105	100		
134	32.8	9.9	29.7#

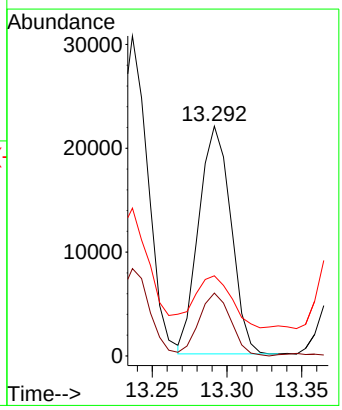


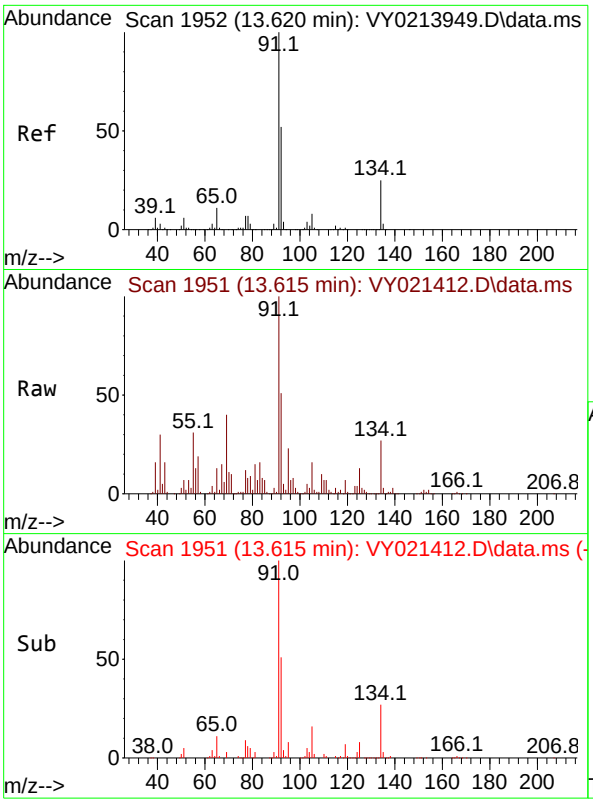


#86
p-Isopropyltoluene
Concen: 2.856 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:119 Resp: 32897

Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.1	39.1
91	24.5	12.2	36.6



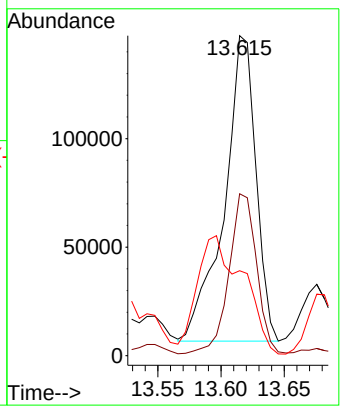


#89
n-Butylbenzene
Concen: 23.083 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion: 91 Resp: 245543

Ion	Ratio	Lower	Upper
91	100		
92	45.9	26.1	78.3
134	56.0	12.6	37.8#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021412.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	959	970	975	rBV	222579	521973	10.65%	0.792%
2	7.707	975	982	996	rVB	334635	771981	15.75%	1.171%
3	8.061	1027	1040	1053	rBV	201392	436680	8.91%	0.662%
4	8.609	1122	1130	1144	rBV	553163	1112840	22.71%	1.688%
5	10.103	1368	1375	1384	rBV	885882	1503005	30.67%	2.279%
6	10.731	1471	1478	1483	rBV	40273	63979	1.31%	0.097%
7	10.829	1485	1494	1500	rBV2	25233	57322	1.17%	0.087%
8	10.963	1511	1516	1520	rVV	40146	62573	1.28%	0.095%
9	11.018	1520	1525	1530	rVB	89329	155299	3.17%	0.235%
10	11.133	1537	1544	1548	rBV3	60453	114544	2.34%	0.174%
11	11.219	1548	1558	1567	rVB4	93693	304118	6.21%	0.461%
12	11.304	1567	1572	1577	rBV	123397	209316	4.27%	0.317%
13	11.414	1584	1590	1600	rBV	809781	1330460	27.15%	2.018%
14	11.548	1609	1612	1616	rBV	48286	67251	1.37%	0.102%
15	11.615	1616	1623	1624	rBV4	116884	241698	4.93%	0.367%
16	11.664	1627	1631	1635	rVV	184942	291595	5.95%	0.442%
17	11.706	1635	1638	1643	rVB2	173398	259041	5.29%	0.393%
18	11.767	1643	1648	1651	rBV2	52533	97460	1.99%	0.148%
19	11.816	1651	1656	1659	rBV4	25732	55429	1.13%	0.084%
20	11.859	1659	1663	1667	rVB2	116336	169323	3.45%	0.257%
21	11.932	1667	1675	1681	rBV5	451254	1139344	23.25%	1.728%
22	11.987	1681	1684	1686	rVB	61533	64635	1.32%	0.098%
23	12.048	1690	1694	1698	rVB	714106	923055	18.83%	1.400%
24	12.091	1698	1701	1702	rBV2	68121	73091	1.49%	0.111%
25	12.127	1702	1707	1709	rBV3	355739	536653	10.95%	0.814%
26	12.164	1709	1713	1719	rVB3	674728	1284272	26.20%	1.947%
27	12.249	1724	1727	1730	rBV2	103418	123984	2.53%	0.188%
28	12.298	1730	1735	1739	rBV5	363958	686248	14.00%	1.041%
29	12.340	1739	1742	1748	rVB	685108	1007529	20.56%	1.528%
30	12.408	1748	1753	1758	rBV2	695565	1103484	22.51%	1.673%
31	12.456	1758	1761	1763	rBV3	105489	152301	3.11%	0.231%
32	12.499	1763	1768	1771	rBV4	162832	279579	5.70%	0.424%
33	12.566	1775	1779	1787	rVB4	907162	1807953	36.89%	2.742%
34	12.651	1787	1793	1798	rBV6	563042	1397895	28.52%	2.120%
35	12.731	1799	1806	1811	rBV3	2468601	4610378	94.07%	6.991%
36	12.786	1811	1815	1820	rVB3	822702	1375462	28.06%	2.086%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Title : SW846 8260

37	12.840	1820	1824	1825	rBV3	171840	209006	4.26%	0.317%
38	12.877	1825	1830	1833	rBV3	671789	1005897	20.52%	1.525%
39	12.932	1833	1839	1841	rBV3	530155	944084	19.26%	1.432%
40	12.962	1841	1844	1851	rVB	2581921	3781280	77.15%	5.734%
41	13.042	1851	1857	1862	rBV	2563199	3999607	81.61%	6.065%
42	13.090	1862	1865	1870	rBV2	655766	1052811	21.48%	1.596%
43	13.145	1871	1874	1877	rBV3	675918	1047464	21.37%	1.588%
44	13.243	1882	1890	1894	rBV3	1949500	4032668	82.28%	6.115%
45	13.285	1894	1897	1901	rVB3	725608	1015468	20.72%	1.540%
46	13.353	1905	1908	1910	rVB2	263757	295482	6.03%	0.448%
47	13.487	1927	1930	1932	rBV3	305294	401606	8.19%	0.609%
48	13.517	1932	1935	1943	rVB3	626986	1335713	27.25%	2.025%
49	13.596	1944	1948	1950	rBV2	476478	766276	15.63%	1.162%
50	13.676	1955	1961	1965	rBV2	2809979	4901160	100.00%	7.432%
51	13.718	1965	1968	1971	rVB2	368289	464349	9.47%	0.704%
52	13.804	1979	1982	1984	rBV	529618	618813	12.63%	0.938%
53	13.840	1984	1988	1993	rVB5	1361409	2055895	41.95%	3.118%
54	13.895	1993	1997	2001	rVB	1440602	2141753	43.70%	3.248%
55	13.938	2001	2004	2009	rVB2	527445	748026	15.26%	1.134%
56	13.999	2009	2014	2019	rVB4	858294	1413393	28.84%	2.143%
57	14.066	2019	2025	2030	rVB6	437910	940791	19.20%	1.427%
58	14.121	2030	2034	2038	rBV6	232396	533236	10.88%	0.809%
59	14.182	2039	2044	2048	rBV3	701715	1544908	31.52%	2.343%
60	14.255	2053	2056	2060	rVB	822071	1101787	22.48%	1.671%
61	14.304	2060	2064	2067	rBV3	395724	558591	11.40%	0.847%
62	14.340	2067	2070	2074	rVB3	373799	461141	9.41%	0.699%
63	14.486	2090	2094	2098	rBV4	162743	326411	6.66%	0.495%
64	14.535	2098	2102	2106	rVB	388929	547251	11.17%	0.830%
65	14.590	2106	2111	2118	rBV2	799619	1535795	31.34%	2.329%
66	14.651	2118	2121	2128	rVB3	284519	486040	9.92%	0.737%
67	14.718	2128	2132	2135	rBV4	41472	83825	1.71%	0.127%
68	14.864	2152	2156	2159	rBV3	121627	168821	3.44%	0.256%
69	14.968	2168	2173	2178	rVB3	98946	197316	4.03%	0.299%
70	15.139	2196	2201	2204	rBV2	46040	94579	1.93%	0.143%
71	15.242	2214	2218	2223	rVB4	79142	127902	2.61%	0.194%
72	15.328	2228	2232	2243	rVB2	122806	267407	5.46%	0.405%
73	15.511	2257	2262	2267	rVB9	31460	65212	1.33%	0.099%
74	15.633	2279	2282	2288	rVB7	35503	65442	1.34%	0.099%
75	15.925	2327	2330	2336	rVB4	54163	93249	1.90%	0.141%
76	16.206	2369	2376	2382	rVB4	42029	123766	2.53%	0.188%

Sample Results: **VY021412.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Title : SW846 8260

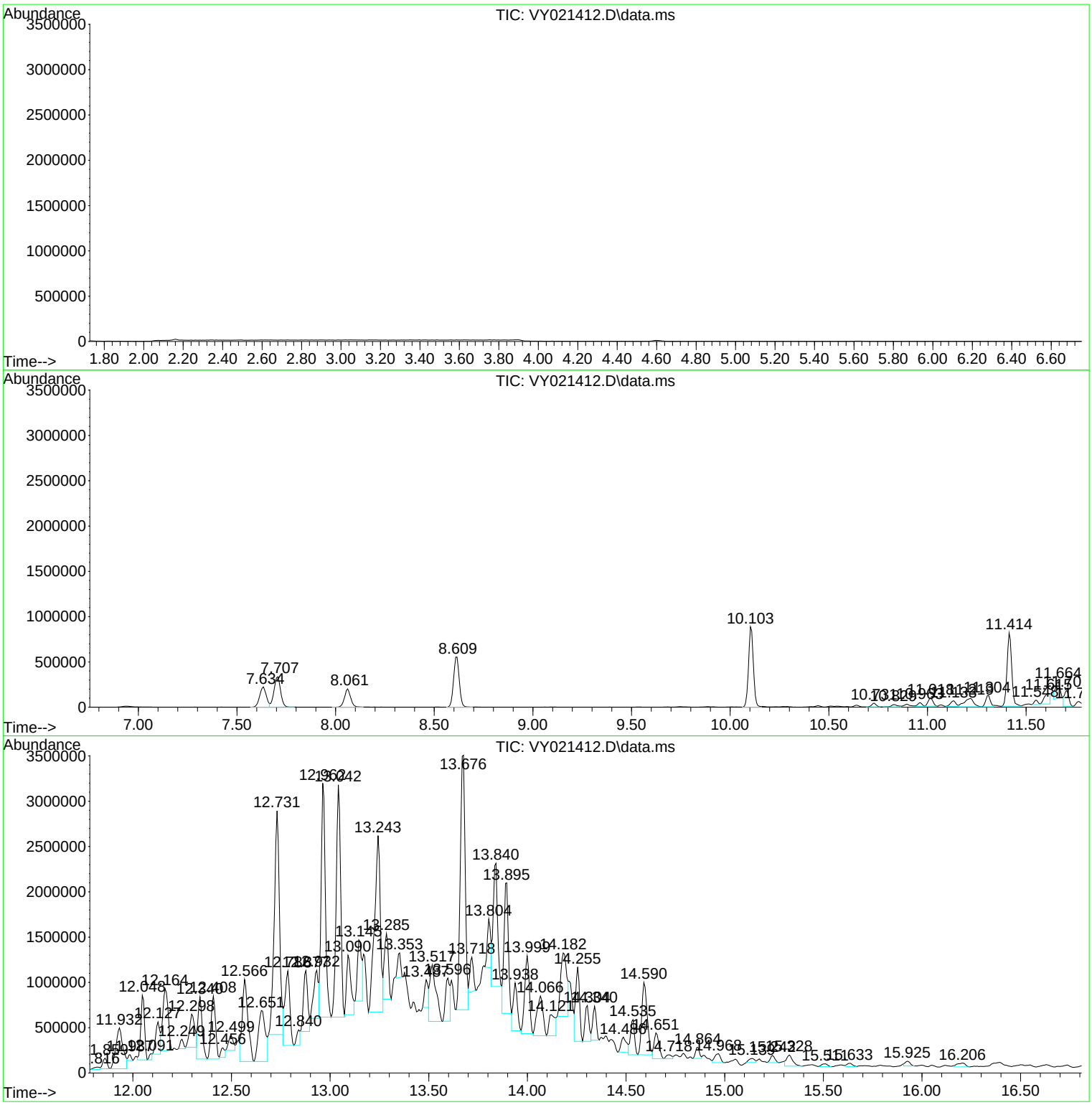
Sum of corrected areas: 65945971

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

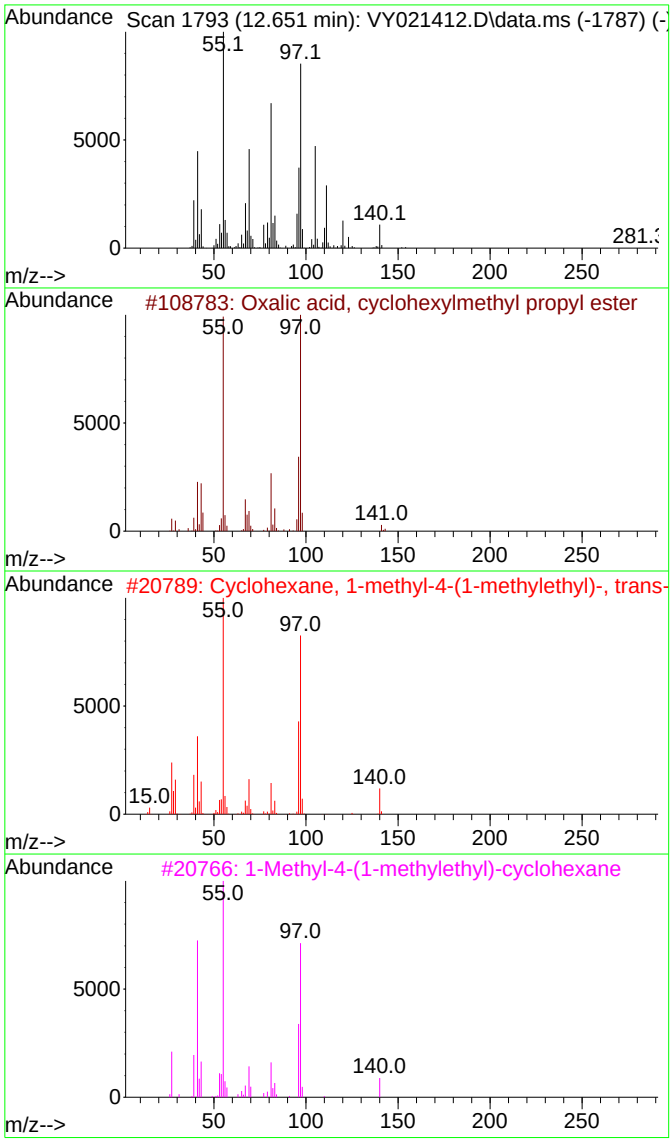
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

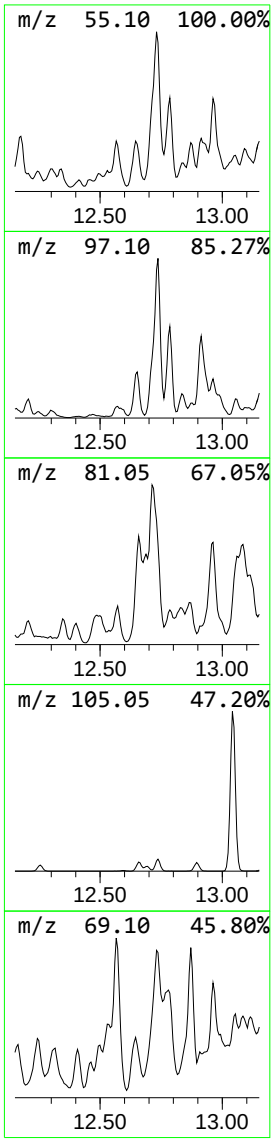
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Oxalic acid, cyclohexylmeth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.651	236.54 ug/l	1397900	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	53
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	52
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	52
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	52
5	Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

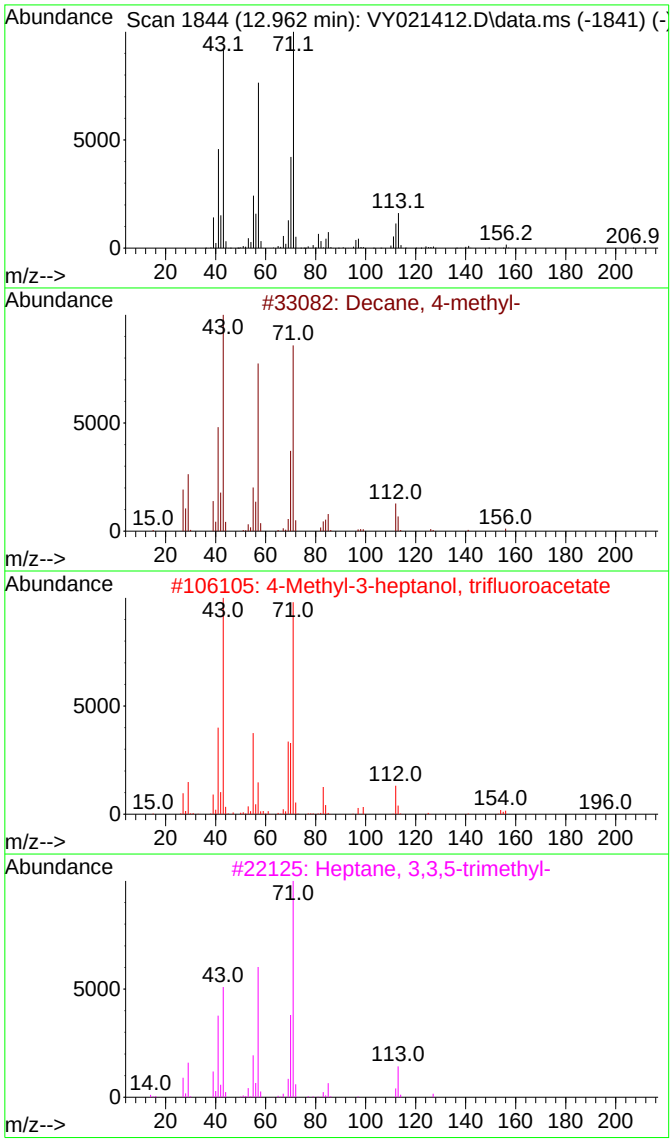
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

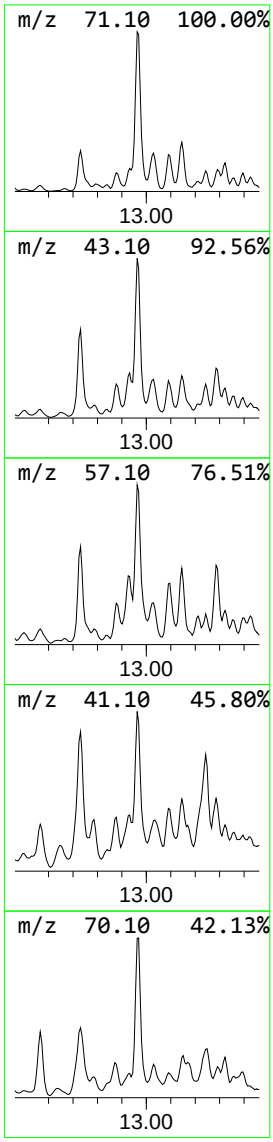
****

Peak Number 2 Decane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.962	639.85 ug/l	3781280	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	72
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

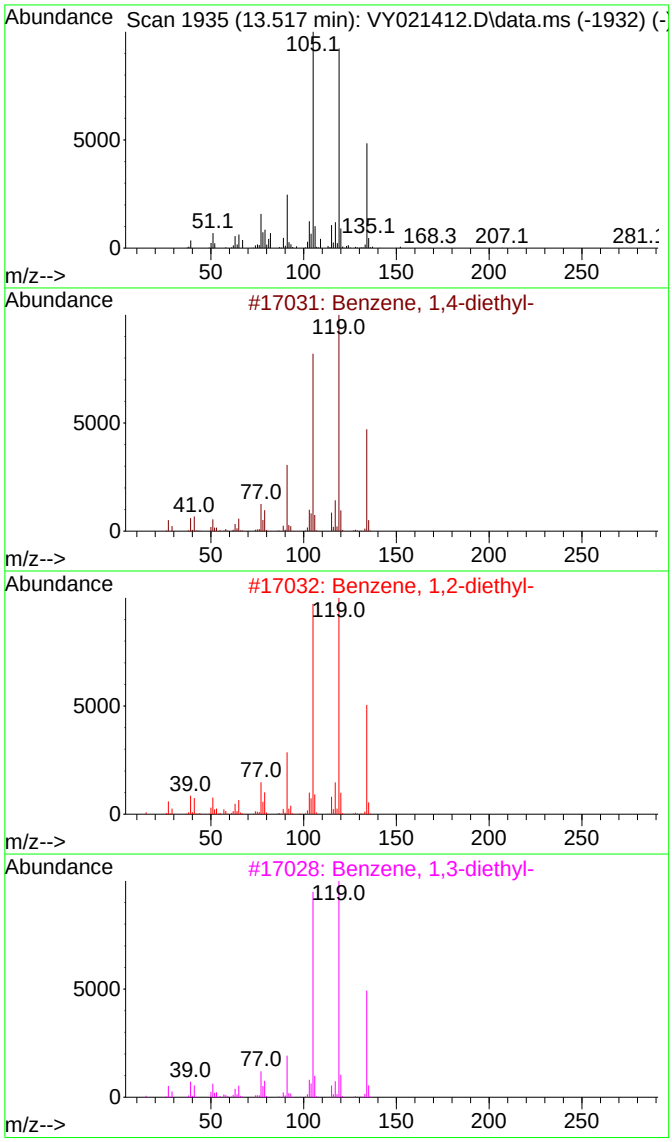
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

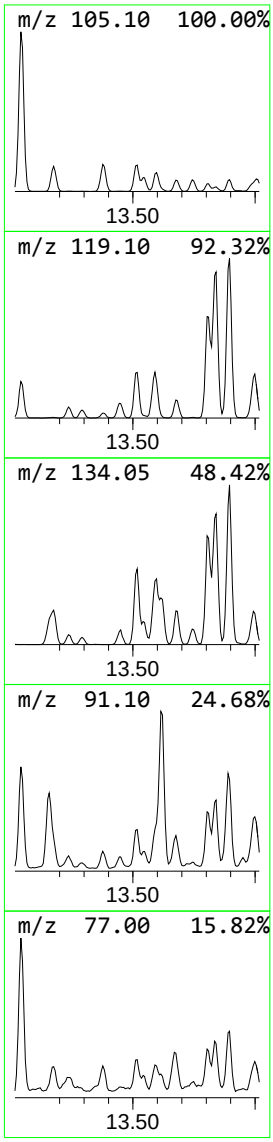
****

Peak Number 3 Benzene, 1,4-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.517	226.02 ug/l	1335710	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

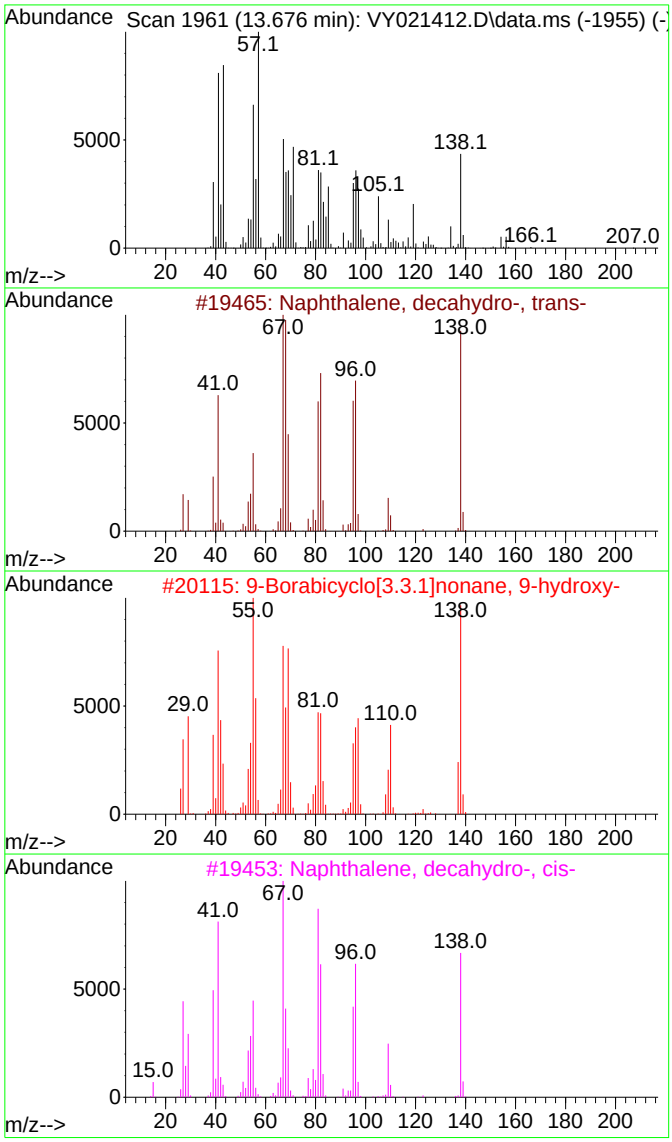
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

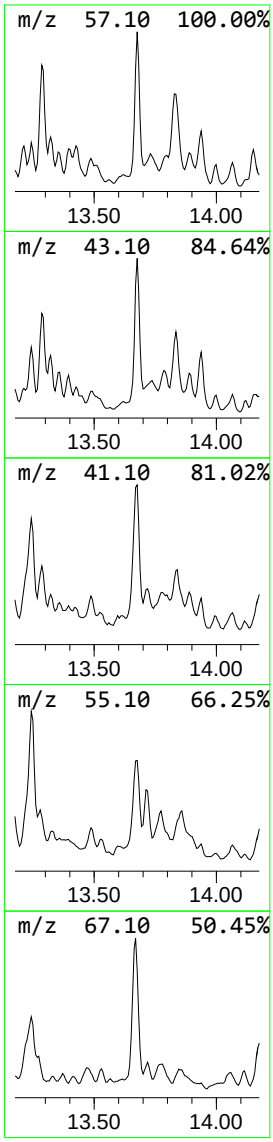
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, decahydro-, tr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	829.35 ug/l	4901160	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	86
2	9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	50
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	46
4	Cyclodecene	138	C10H18	003618-12-0	41
5	Naphthalene, decahydro-	138	C10H18	000091-17-8	41





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

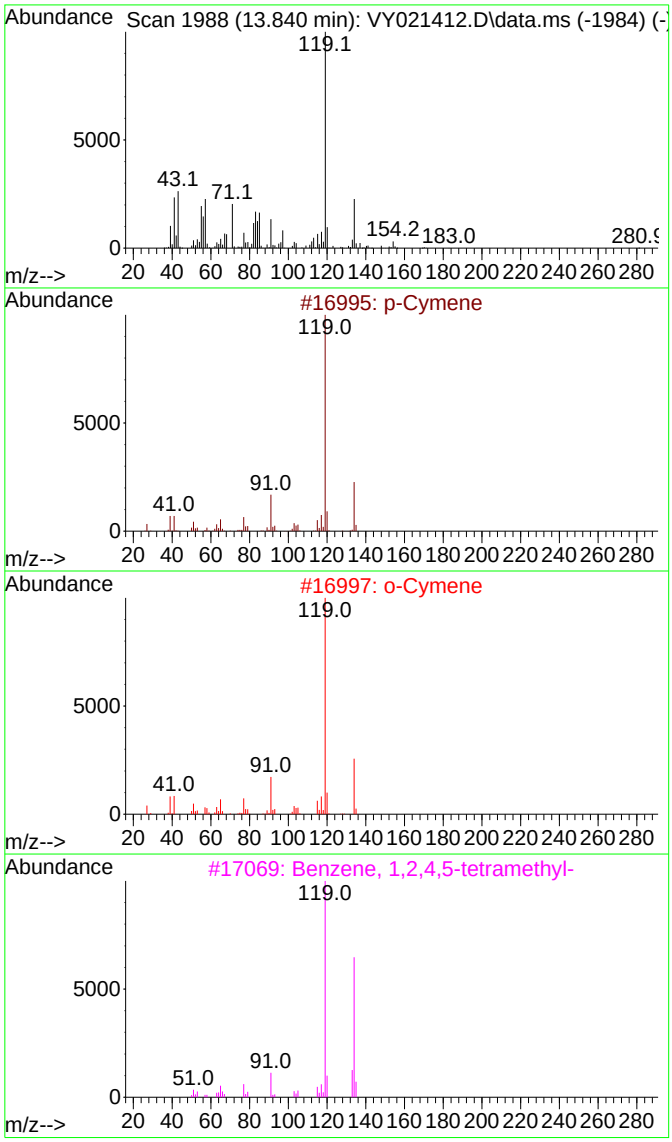
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

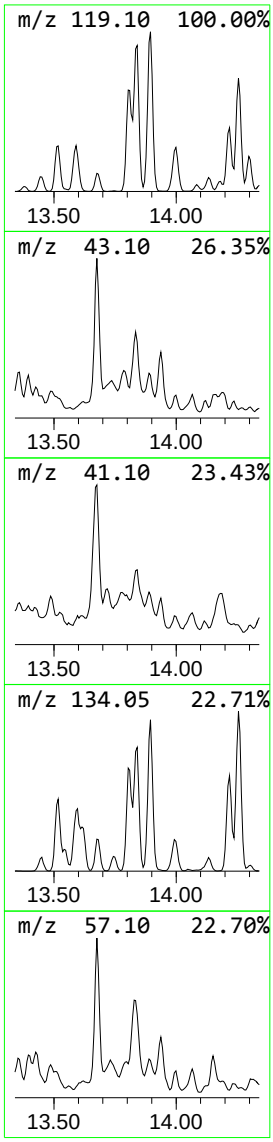
****

Peak Number 5 p-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.840	347.89 ug/l	2055900	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	93
2	o-Cymene	134	C10H14	000527-84-4	93
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	86
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

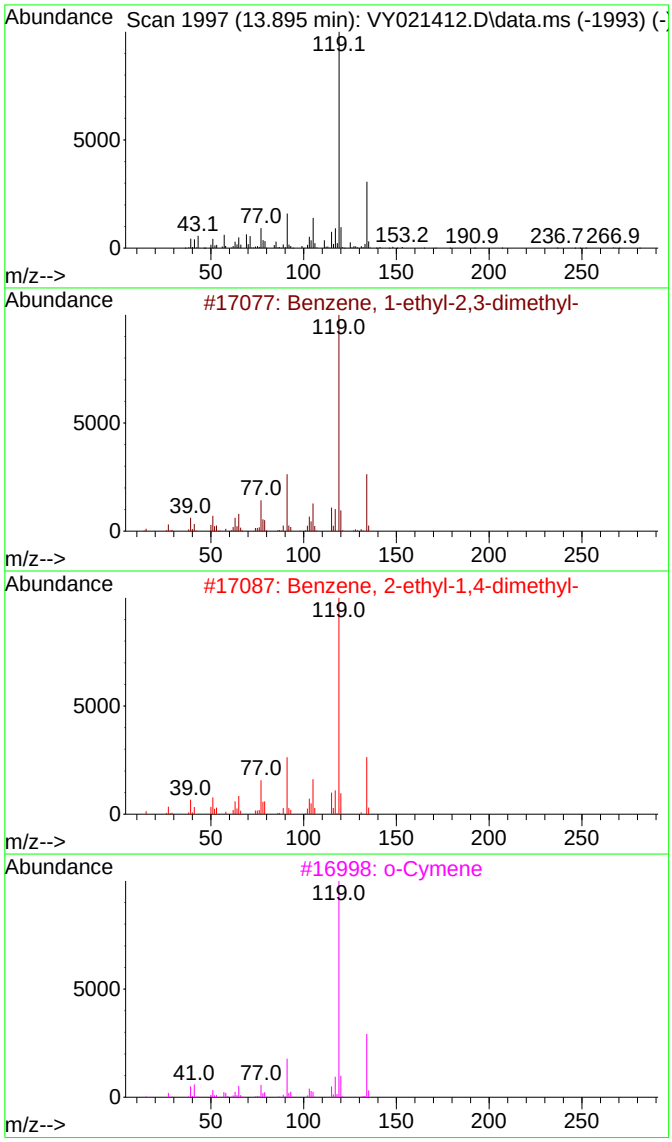
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

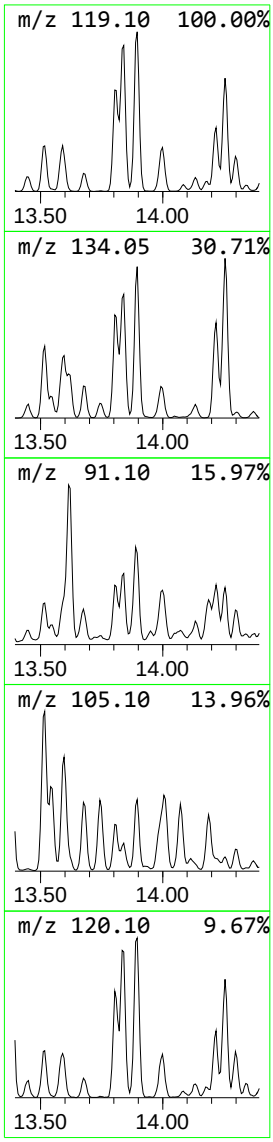
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.895	362.42 ug/l	2141750	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On    : 05 Mar 2025  14:58
Operator  : SY/MD
Sample    : Q1447-01
Misc      : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

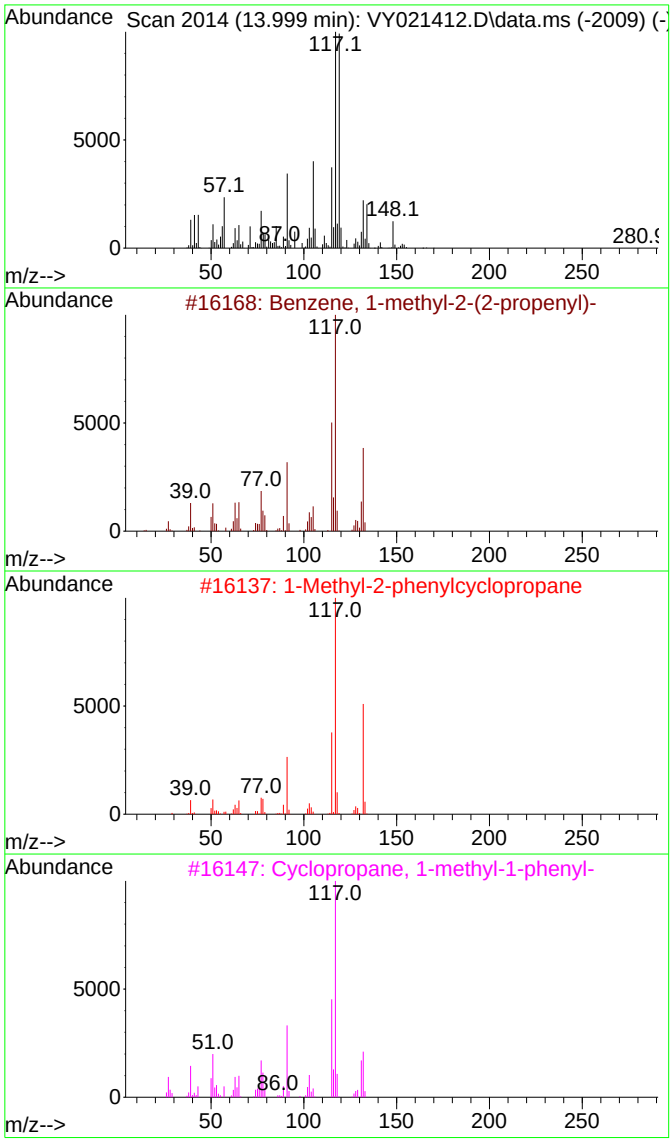
Instrument :
MSVOA_Y
ClientSampleId :
WC1

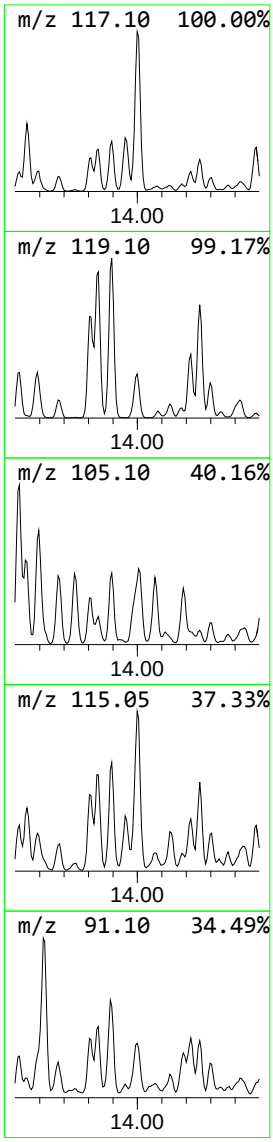
****

Peak Number 7 Benzene, 1-methyl-2-(2-prop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	239.17 ug/l	1413390	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	52
3	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	50
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

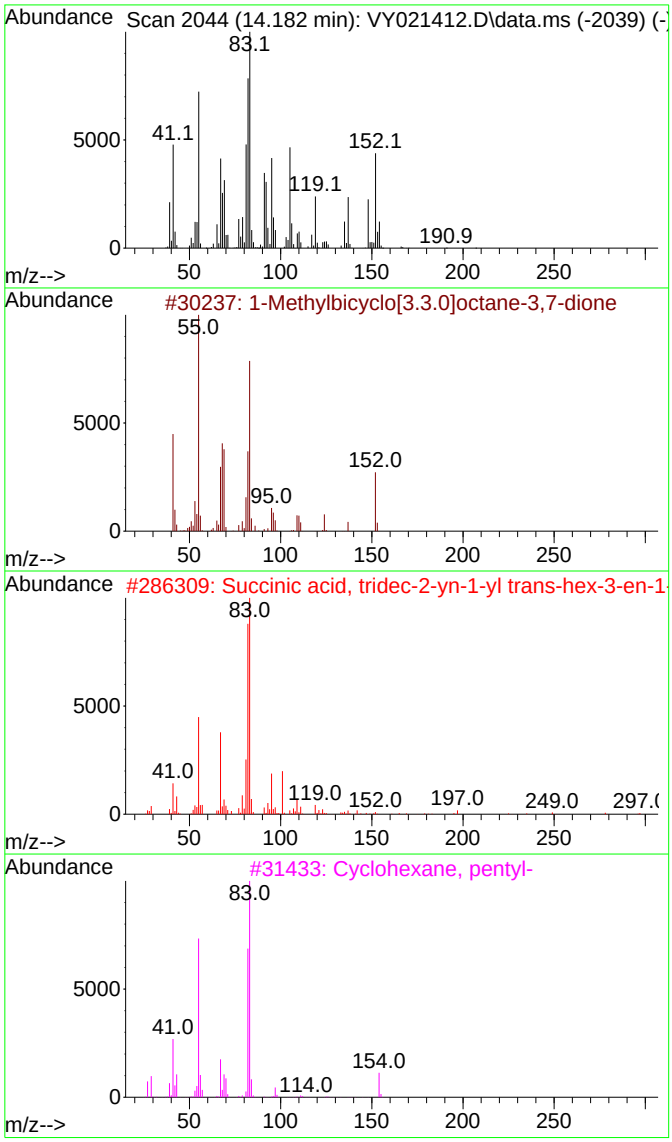
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

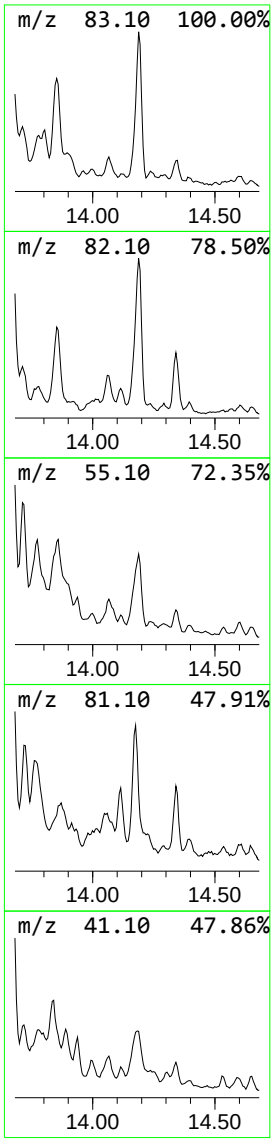
****

Peak Number 8 unknown14.182 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.182	261.42 ug/l	1544910	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	43
2	Succinic acid, tridec-2-yn-1-yl ...	378	C23H38O4	1000391-12-6	43
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	38
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

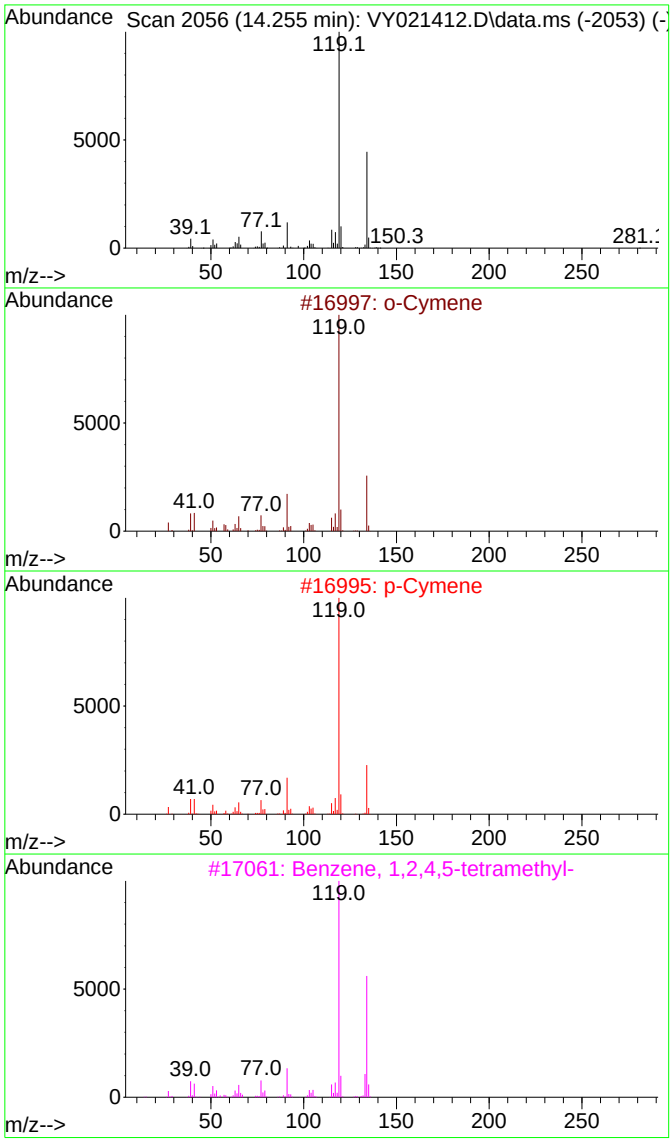
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

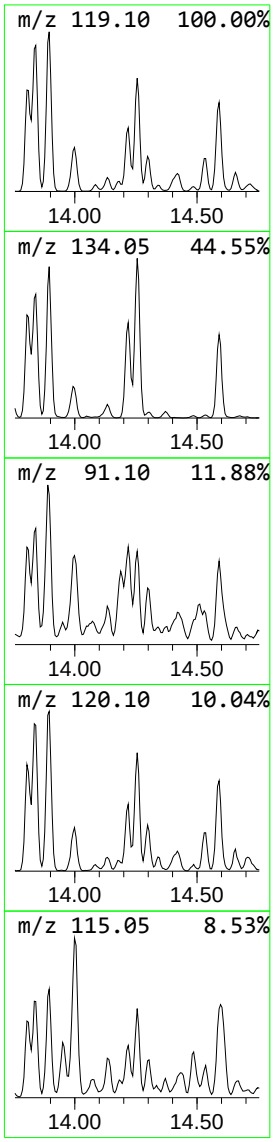
****

Peak Number 9 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	186.44 ug/l	1101790	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	p-Cymene	134	C10H14	000099-87-6	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

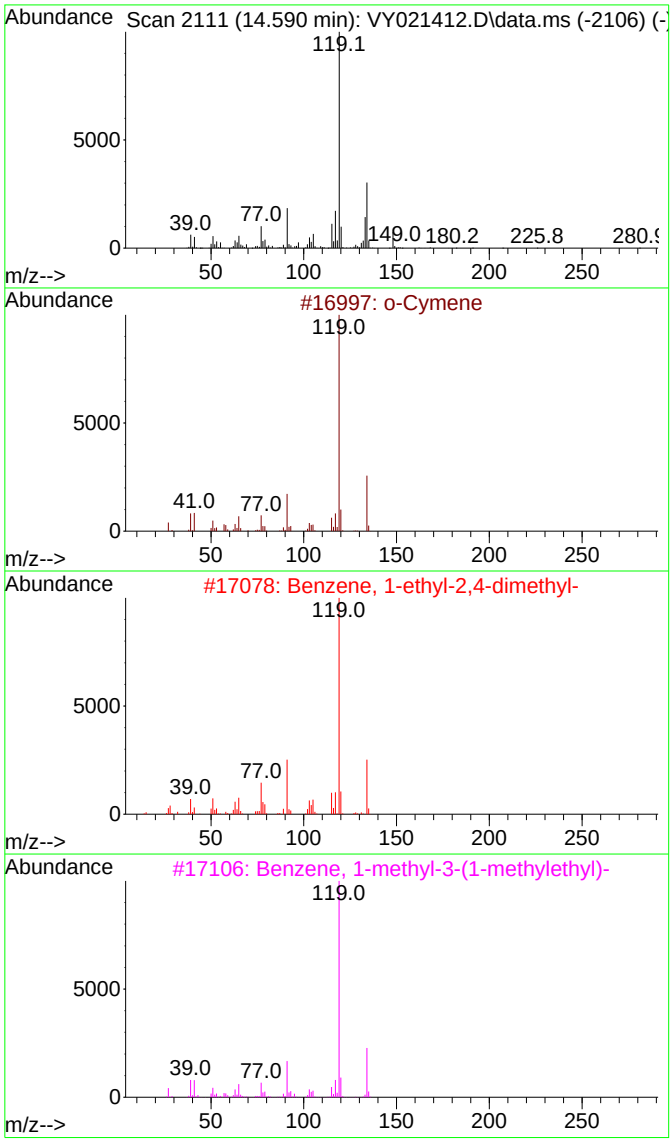
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

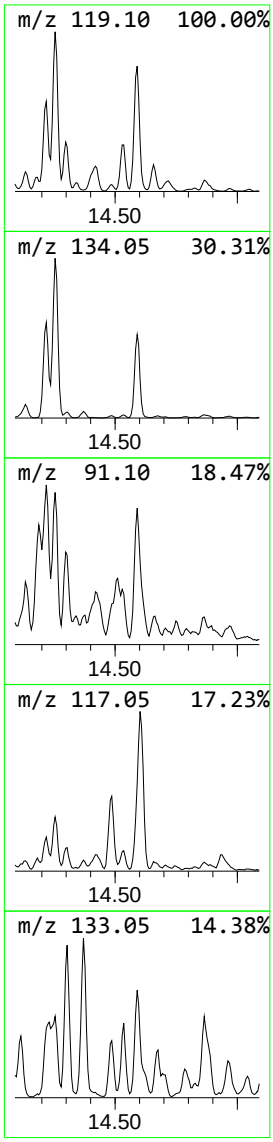
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.590	259.88 ug/l	1535800	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
5	p-Cymene	134	C10H14	000099-87-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Oxalic acid, cy...	12.651	236.5	ug/l	1397900	4	13.346	295482	50.0
Decane, 4-methyl-	12.962	639.9	ug/l	3781280	4	13.346	295482	50.0
Benzene, 1,4-di...	13.517	226.0	ug/l	1335710	4	13.346	295482	50.0
Naphthalene, de...	13.676	829.4	ug/l	4901160	4	13.346	295482	50.0
p-Cymene	13.840	347.9	ug/l	2055900	4	13.346	295482	50.0
Benzene, 1-ethy...	13.895	362.4	ug/l	2141750	4	13.346	295482	50.0
Benzene, 1-meth...	13.999	239.2	ug/l	1413390	4	13.346	295482	50.0
unknown14.182	14.182	261.4	ug/l	1544910	4	13.346	295482	50.0
o-Cymene	14.255	186.4	ug/l	1101790	4	13.346	295482	50.0
Benzene, 1-ethy...	14.590	259.9	ug/l	1535800	4	13.346	295482	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Time: Mar 06 02:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

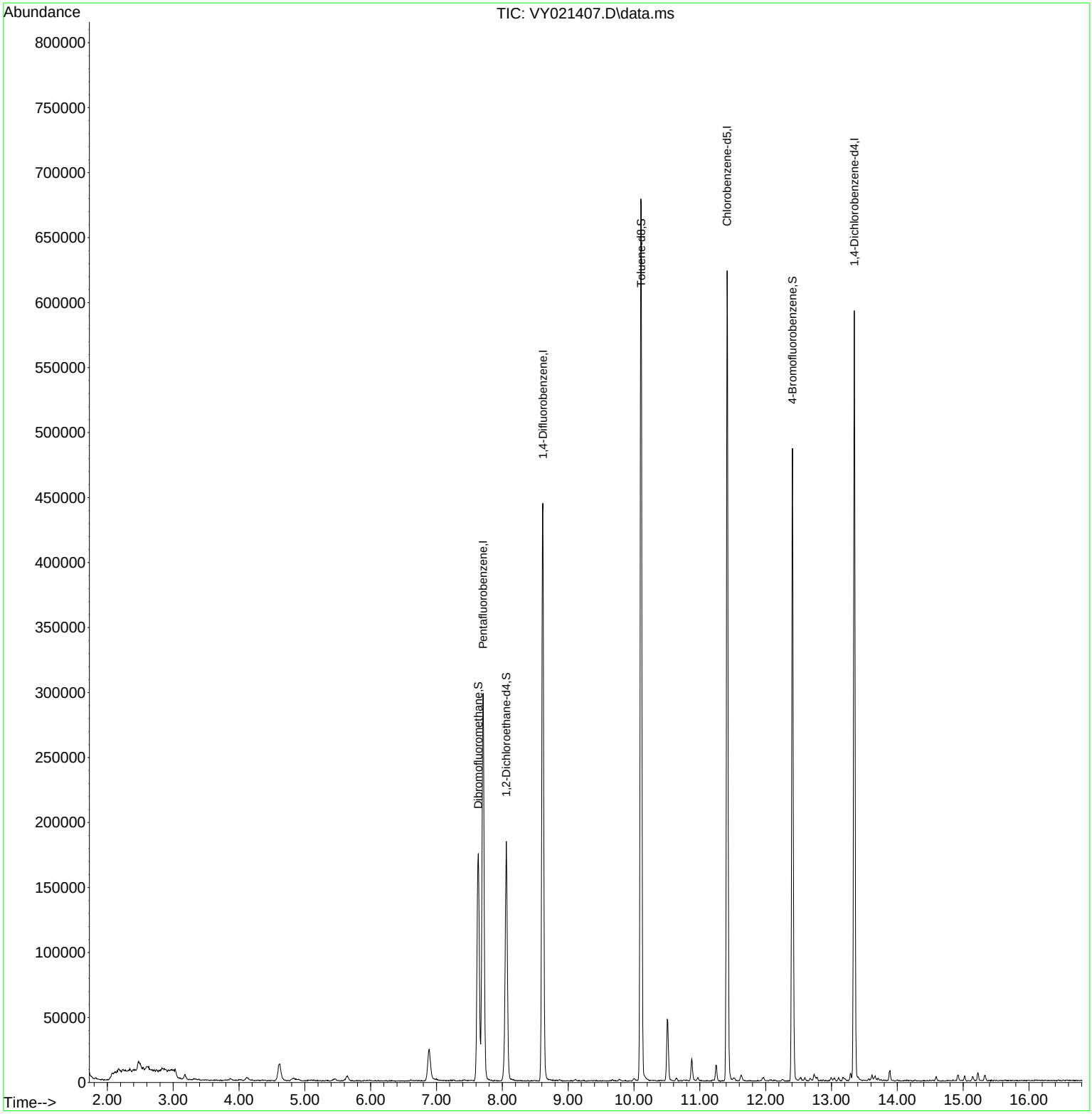
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	222723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	373589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	318454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	140807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135276	57.465	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.940%			
35) Dibromofluoromethane	7.634	113	123966	50.482	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.960%			
50) Toluene-d8	10.109	98	448479	48.234	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.460%			
62) 4-Bromofluorobenzene	12.408	95	138502	43.792	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.580%			
Target Compounds						Qvalue

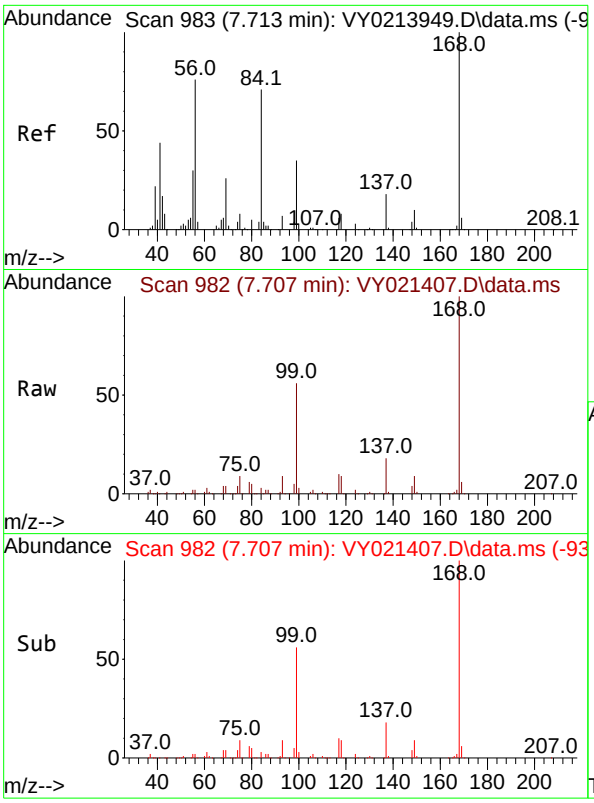
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Time: Mar 06 02:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



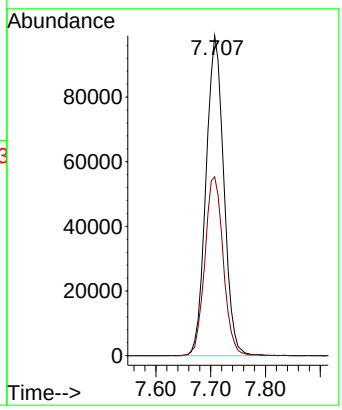


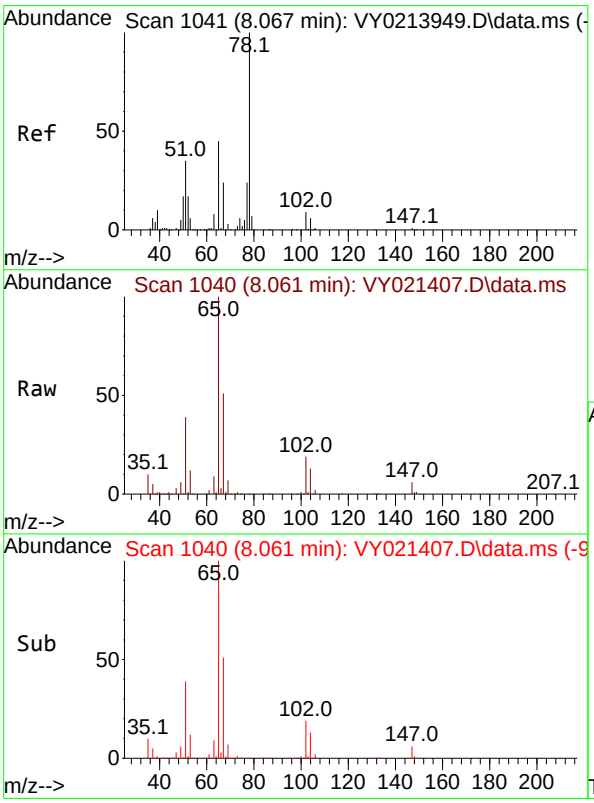
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Tgt Ion:168 Resp: 222723

Ion	Ratio	Lower	Upper
168	100		
99	55.9	46.0	69.0

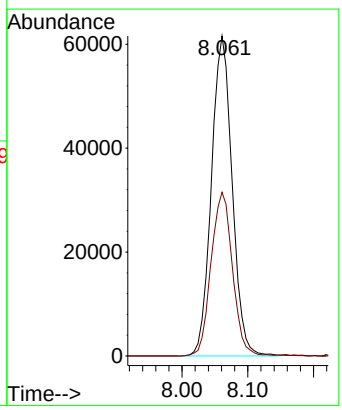


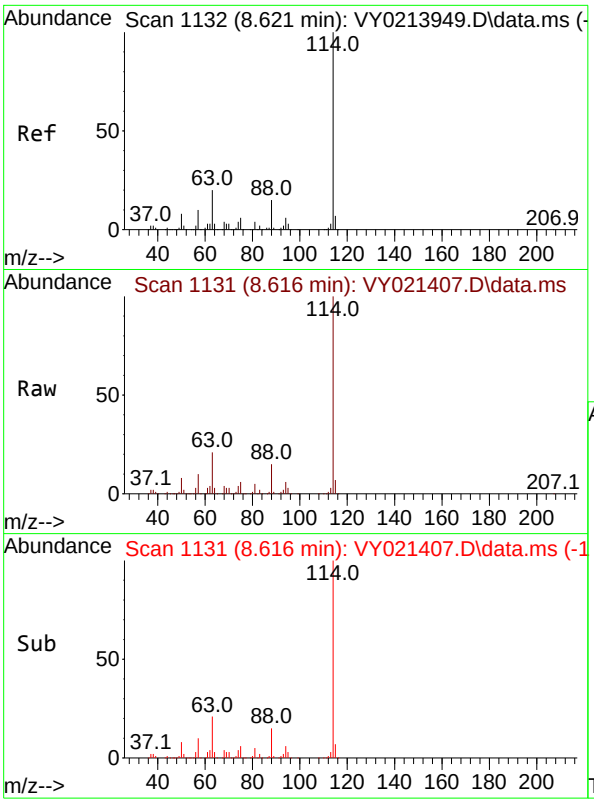


#33
1,2-Dichloroethane-d4
Concen: 57.465 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Tgt Ion: 65 Resp: 135276

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.8



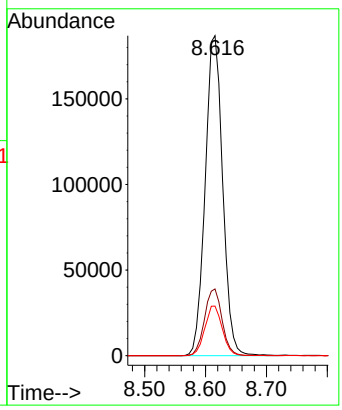


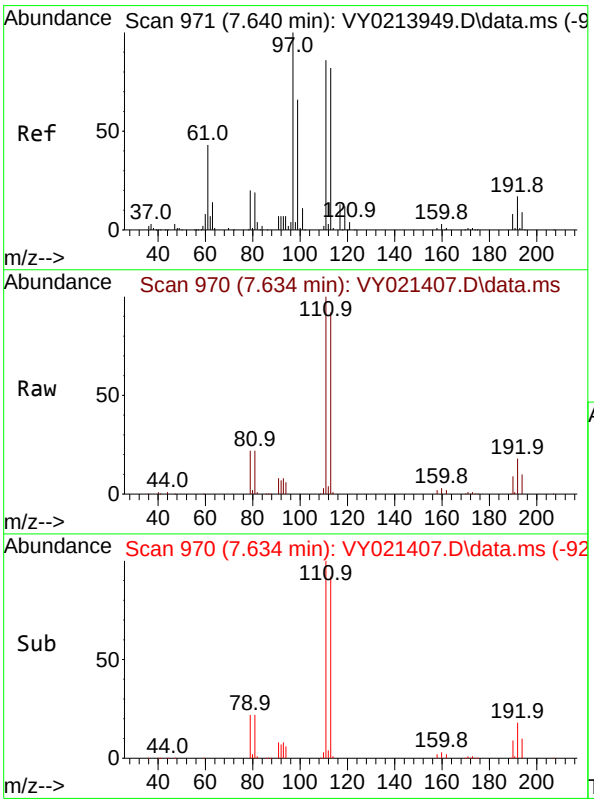
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Tgt Ion:114 Resp: 373589

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.5	0.0	30.8

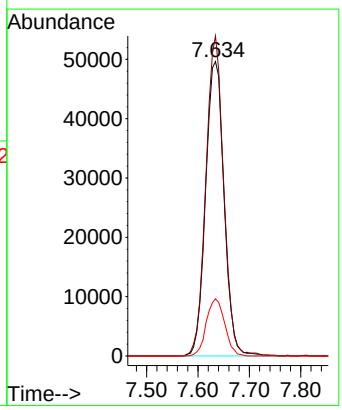


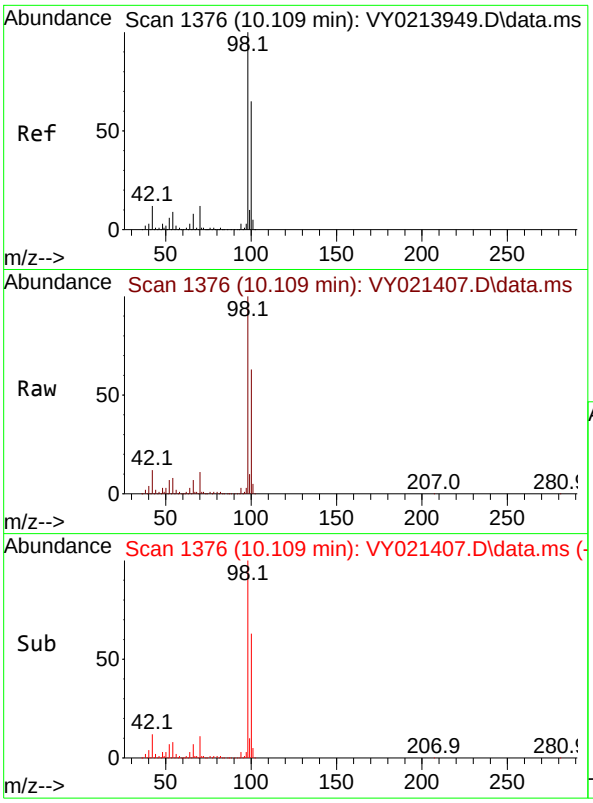


#35
Dibromofluoromethane
Concen: 50.482 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Tgt Ion:113 Resp: 123966

Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.0	123.0
192	19.3	15.9	23.9



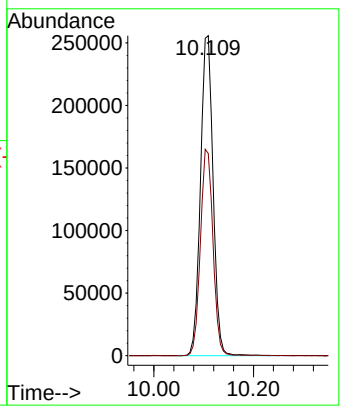


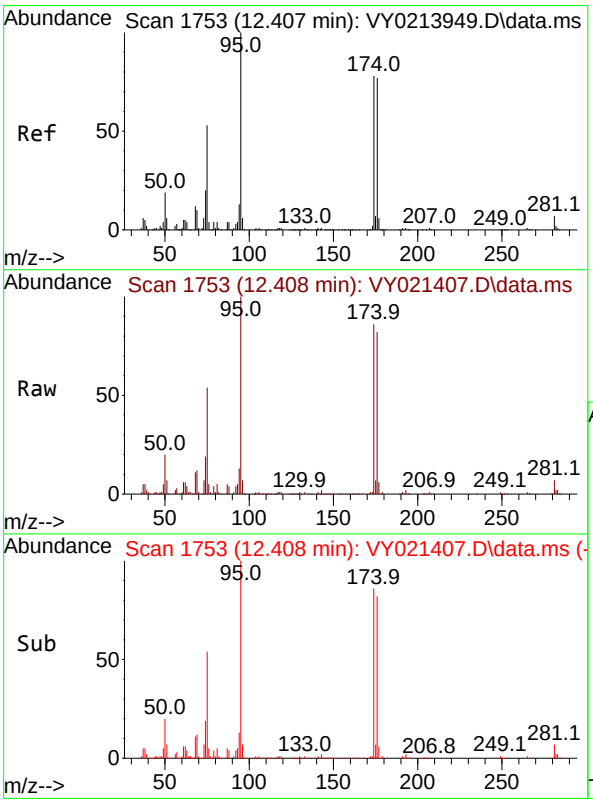
#50
Toluene-d8
Concen: 48.234 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Tgt Ion: 98 Resp: 448479

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

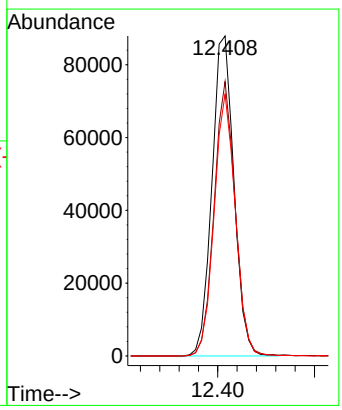




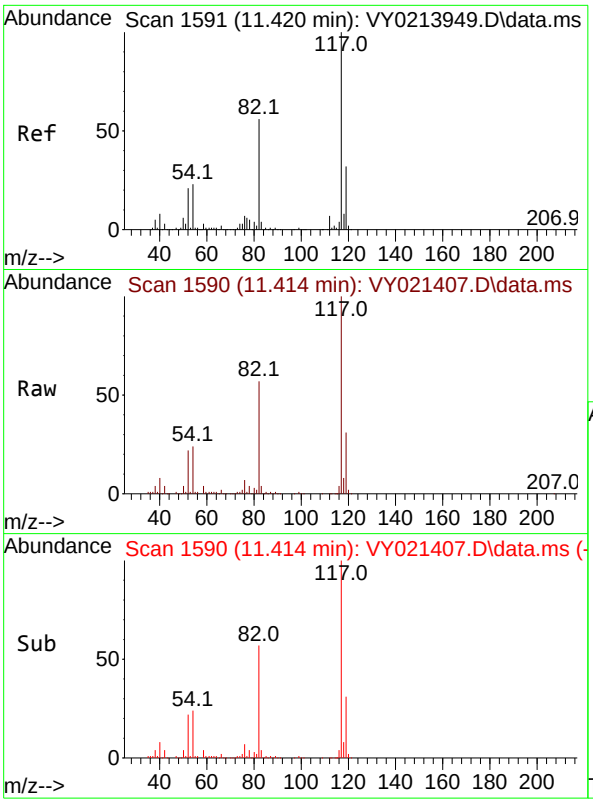
#62
4-Bromofluorobenzene
Concen: 43.792 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Tgt Ion: 95 Resp: 138502

Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	165.0
176	79.2	0.0	160.0



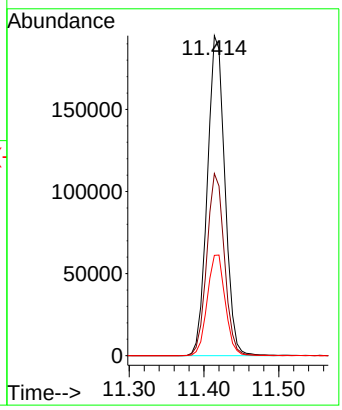
Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

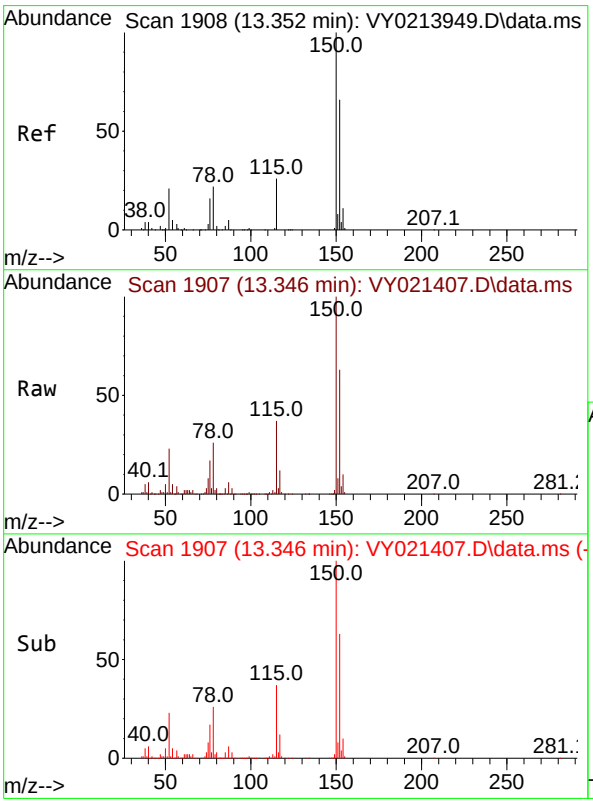


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Tgt Ion:117 Resp: 318454

Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.6	67.0
119	31.3	25.4	38.0

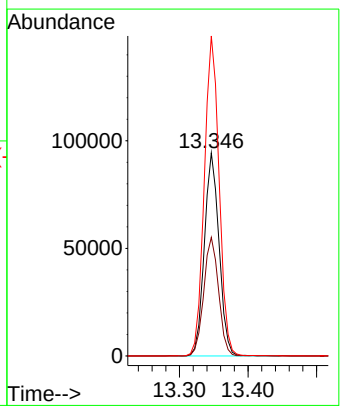




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Tgt Ion:152 Resp: 140807

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.0	87.0
150	158.7	0.0	347.2



Sample Results: **VY021407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021407.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	464	475	488	rBV3	12901	44203	3.66%	0.669%
2	6.890	835	848	864	rBV	24382	79907	6.62%	1.210%
3	7.634	960	970	976	rBV	174958	430484	35.65%	6.517%
4	7.707	976	982	997	rVB	297626	670420	55.52%	10.149%
5	8.061	1027	1040	1053	rBV2	184307	428502	35.49%	6.487%
6	8.616	1121	1131	1143	rBV	444735	897476	74.33%	13.586%
7	10.103	1367	1375	1396	rVB	678483	1207499	100.00%	18.279%
8	10.505	1435	1441	1457	rVB2	47440	90746	7.52%	1.374%
9	10.877	1495	1502	1512	rBV2	16835	30393	2.52%	0.460%
10	11.249	1558	1563	1570	rVB3	12206	21411	1.77%	0.324%
11	11.414	1582	1590	1602	rBV	623430	1023444	84.76%	15.493%
12	12.408	1746	1753	1768	rBV2	486812	792203	65.61%	11.992%
13	13.346	1900	1907	1915	rVV	590653	889199	73.64%	13.461%

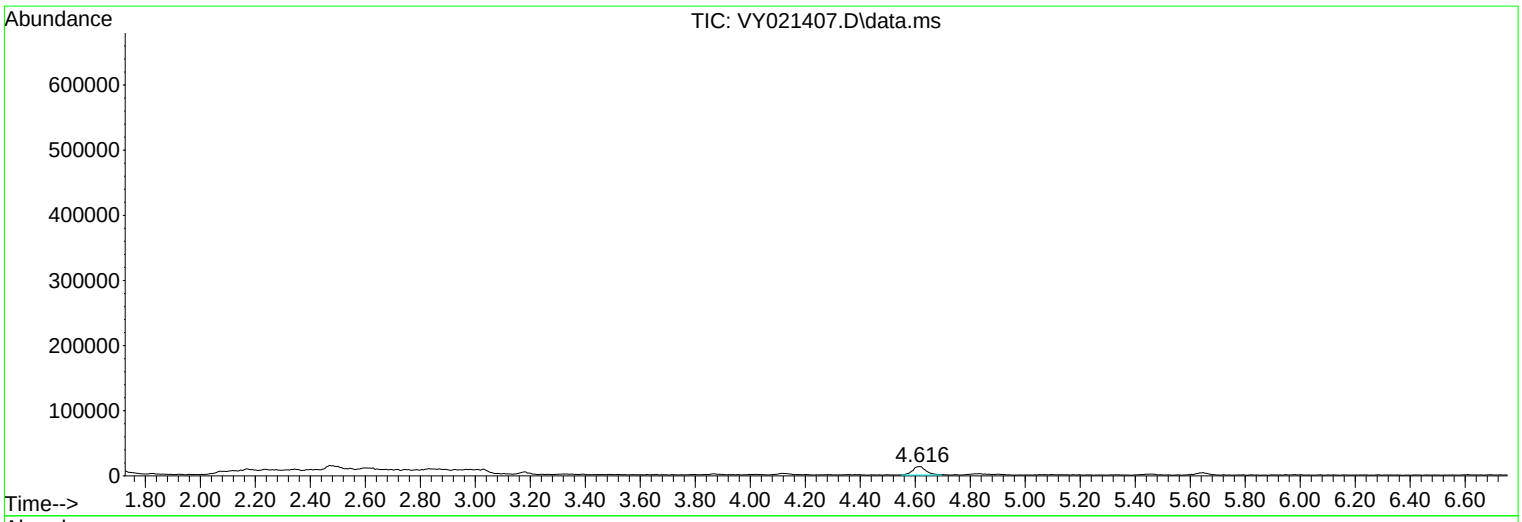
Sum of corrected areas: 6605887

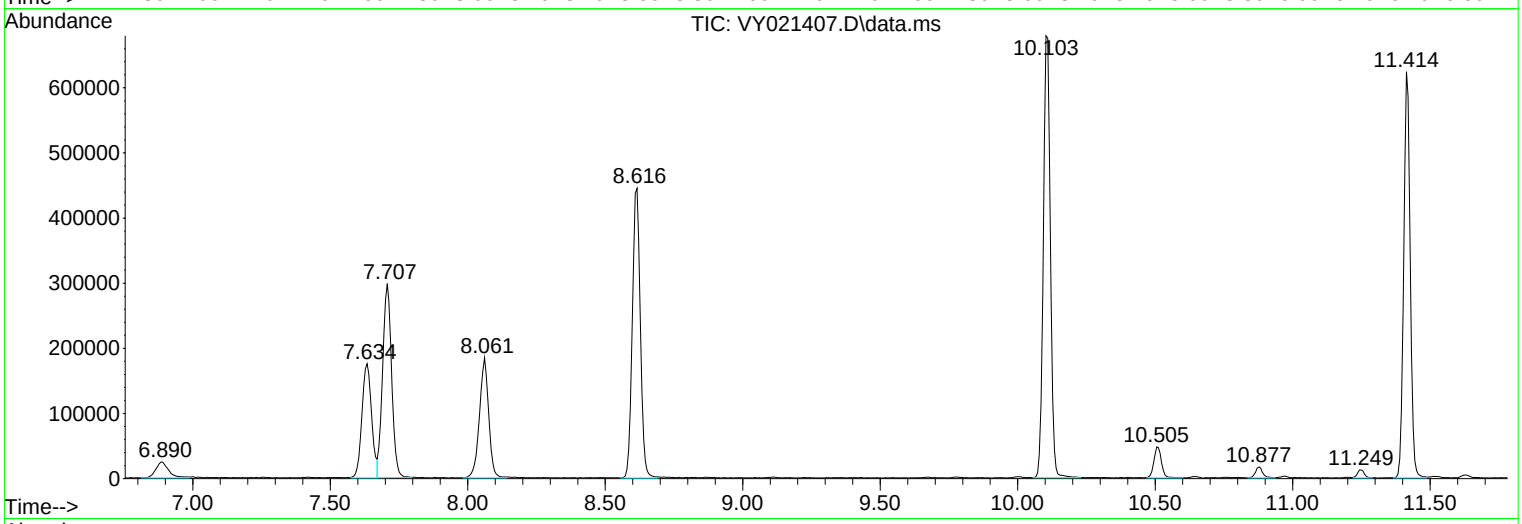
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

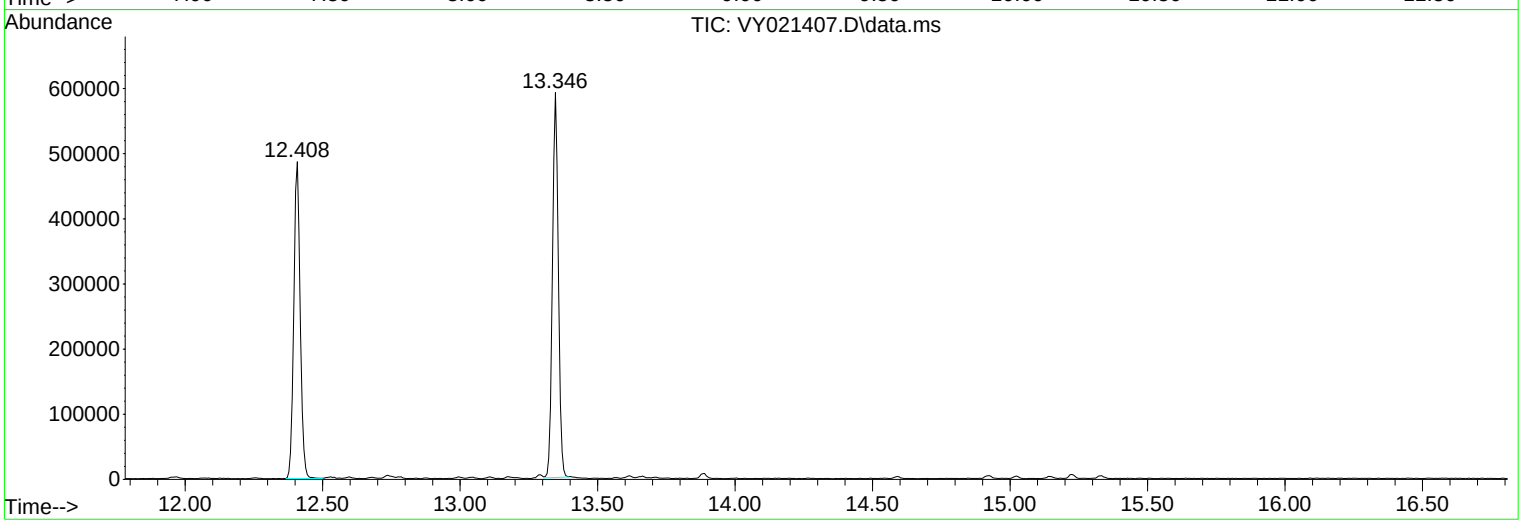
Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021408.D
Acq On : 05 Mar 2025 13:23
Operator : SY/MD
Sample : VY0305SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 02:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	201041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	324142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	291860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125199	58.920	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.840%			
35) Dibromofluoromethane	7.634	113	116577	54.715	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.420%			
50) Toluene-d8	10.109	98	436802	54.145	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.300%			
62) 4-Bromofluorobenzene	12.408	95	150167	54.723	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	33231	18.013	ug/l	100
3) Chloromethane	2.068	50	51497	19.799	ug/l	99
4) Vinyl Chloride	2.202	62	57247	20.140	ug/l	98
5) Bromomethane	2.586	94	46445	22.608	ug/l	91
6) Chloroethane	2.732	64	39324	20.935	ug/l	100
7) Trichlorofluoromethane	3.056	101	78633	19.820	ug/l	99
8) Diethyl Ether	3.452	74	22874	20.805	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.805	101	43591	19.244	ug/l	98
10) Methyl Iodide	4.000	142	39500	17.155	ug/l	99
11) Tert butyl alcohol	4.860	59	17133	111.532	ug/l	100
12) 1,1-Dichloroethene	3.787	96	39242	19.002	ug/l	98
13) Acrolein	3.653	56	22369	206.968	ug/l	88
14) Allyl chloride	4.385	41	64477	19.320	ug/l	98
15) Acrylonitrile	5.055	53	49253	105.234	ug/l	99
16) Acetone	3.872	43	39199	84.580	ug/l	90
17) Carbon Disulfide	4.104	76	120116	18.559	ug/l	99
18) Methyl Acetate	4.385	43	22479	21.860	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	105913	20.235	ug/l	100
20) Methylene Chloride	4.616	84	50901	20.923	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	44469	19.228	ug/l	96
22) Diisopropyl ether	6.012	45	144821	20.136	ug/l	98
23) Vinyl Acetate	5.957	43	417412	101.692	ug/l	99
24) 1,1-Dichloroethane	5.915	63	84703	19.954	ug/l	97
25) 2-Butanone	6.890	43	61479	95.896	ug/l	98
26) 2,2-Dichloropropane	6.884	77	71921	18.414	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	51210	19.491	ug/l	98
28) Bromochloromethane	7.244	49	41531	23.337	ug/l	100
29) Tetrahydrofuran	7.262	42	41037	103.686	ug/l	99
30) Chloroform	7.414	83	88860	20.159	ug/l	99
31) Cyclohexane	7.701	56	72700	18.268	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	78159	19.366	ug/l	100
36) 1,1-Dichloropropene	7.835	75	60422	18.117	ug/l	99
37) Ethyl Acetate	6.988	43	28618	19.414	ug/l	98
38) Carbon Tetrachloride	7.817	117	68825	17.944	ug/l	97
39) Methylcyclohexane	9.109	83	71472	17.471	ug/l	96
40) Benzene	8.079	78	183943	18.723	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021408.D
Acq On : 05 Mar 2025 13:23
Operator : SY/MD
Sample : VY0305SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 02:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	13154	16.389	ug/l	#	80
42) 1,2-Dichloroethane	8.158	62	54126	19.693	ug/l		99
43) Isopropyl Acetate	8.195	43	56825	19.858	ug/l	#	87
44) Trichloroethene	8.865	130	45770	18.436	ug/l		94
45) 1,2-Dichloropropane	9.140	63	45562	19.486	ug/l		95
46) Dibromomethane	9.231	93	26801	20.600	ug/l		98
47) Bromodichloromethane	9.420	83	67238	19.461	ug/l		97
48) Methyl methacrylate	9.219	41	24819	18.888	ug/l		96
49) 1,4-Dioxane	9.231	88	5657	442.995	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	148465	100.554	ug/l		98
52) Toluene	10.170	92	116326	18.781	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	58266	19.141	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	68500	18.954	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	34408	20.218	ug/l		97
56) Ethyl methacrylate	10.438	69	42142	19.416	ug/l		99
57) 1,3-Dichloropropane	10.719	76	58515	19.838	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	113664	113.443	ug/l		99
59) 2-Hexanone	10.761	43	96128	98.464	ug/l		98
60) Dibromochloromethane	10.914	129	45075	19.320	ug/l		98
61) 1,2-Dibromoethane	11.018	107	31570	19.655	ug/l		98
64) Tetrachloroethene	10.646	164	44038	18.556	ug/l		98
65) Chlorobenzene	11.444	112	126311	18.327	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	45239	18.566	ug/l		99
67) Ethyl Benzene	11.517	91	214834	17.759	ug/l		99
68) m/p-Xylenes	11.627	106	165974	36.139	ug/l		97
69) o-Xylene	11.956	106	78391	18.520	ug/l		98
70) Styrene	11.969	104	129901	18.499	ug/l		99
71) Bromoform	12.133	173	26059	19.131	ug/l	#	98
73) Isopropylbenzene	12.255	105	204580	17.228	ug/l		100
74) N-amyl acetate	12.072	43	46083	17.869	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40368	19.264	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	30667m	20.188	ug/l		
77) Bromobenzene	12.536	156	50134	18.046	ug/l		99
78) n-propylbenzene	12.596	91	252857	17.533	ug/l		100
79) 2-Chlorotoluene	12.682	91	147554	17.893	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	170075	17.624	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	11885	17.786	ug/l		99
82) 4-Chlorotoluene	12.779	91	153571	17.984	ug/l		100
83) tert-Butylbenzene	12.999	119	150690	17.504	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	172723	18.026	ug/l		99
85) sec-Butylbenzene	13.176	105	222289	17.354	ug/l		100
86) p-Isopropyltoluene	13.291	119	186571	17.680	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	98953	17.894	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	97999	18.120	ug/l		99
89) n-Butylbenzene	13.621	91	171289	17.578	ug/l		99
90) Hexachloroethane	13.883	117	38963	17.307	ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	86839	18.321	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6117	19.487	ug/l		93
93) 1,2,4-Trichlorobenzene	14.925	180	46609	18.004	ug/l		100
94) Hexachlorobutadiene	15.029	225	29484	18.168	ug/l		99
95) Naphthalene	15.145	128	72844	18.669	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	39473	18.129	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021408.D
Acq On : 05 Mar 2025 13:23
Operator : SY/MD
Sample : VY0305SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 02:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

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

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

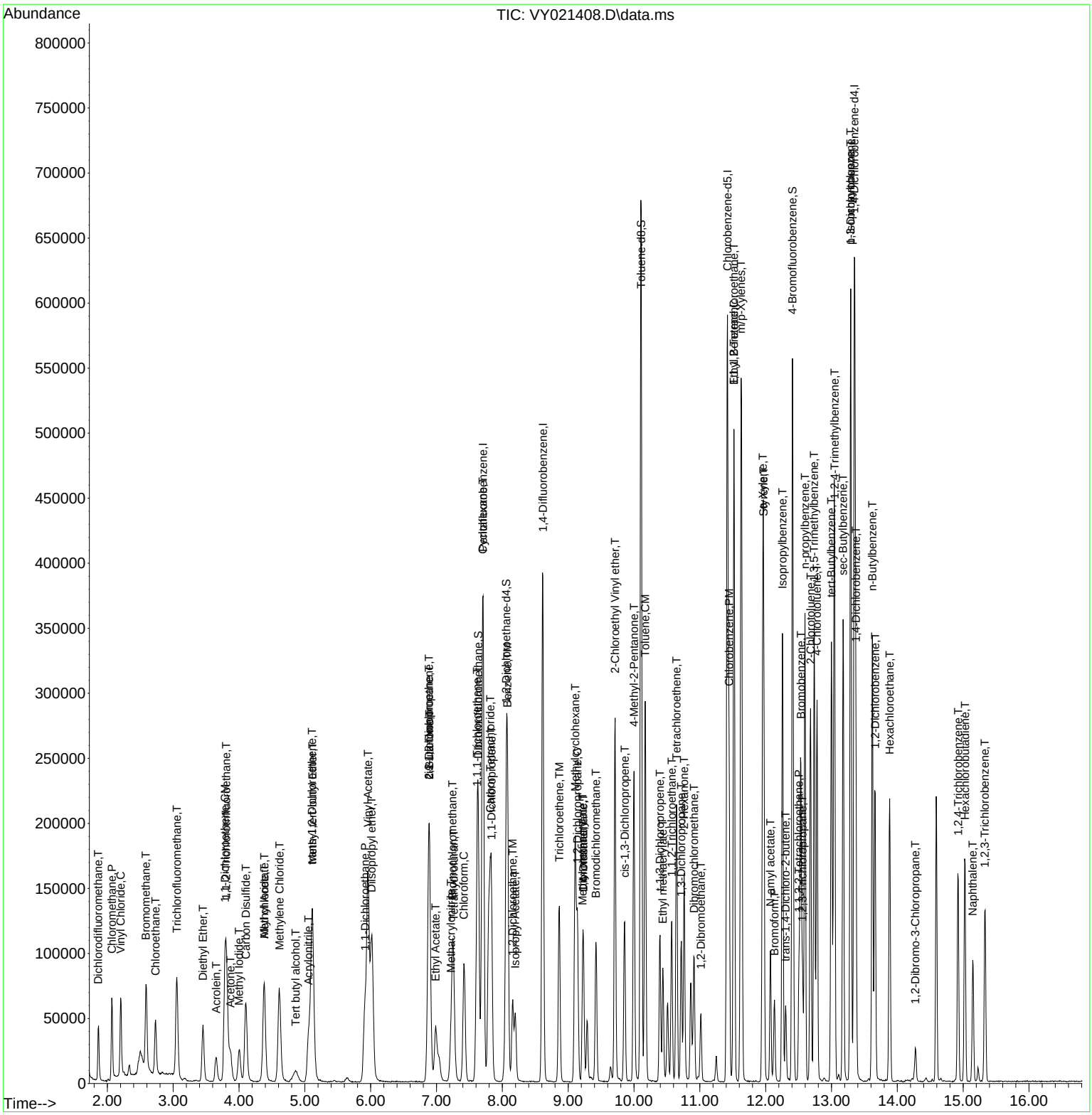
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021408.D
Acq On : 05 Mar 2025 13:23
Operator : SY/MD
Sample : VY0305SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 02:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021409.D
Acq On : 05 Mar 2025 13:45
Operator : SY/MD
Sample : VY0305SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	157165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	128248	55.249	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.500%			
35) Dibromofluoromethane	7.634	113	120748	52.408	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.820%			
50) Toluene-d8	10.103	98	458096	52.512	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.020%			
62) 4-Bromofluorobenzene	12.408	95	155017	52.239	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	36464	18.093	ug/l	100
3) Chloromethane	2.068	50	55939	19.687	ug/l	98
4) Vinyl Chloride	2.202	62	62394	20.094	ug/l	98
5) Bromomethane	2.586	94	44573	19.861	ug/l	95
6) Chloroethane	2.732	64	41393	20.172	ug/l	95
7) Trichlorofluoromethane	3.056	101	81310	18.761	ug/l	100
8) Diethyl Ether	3.458	74	23250	19.357	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	44849	18.125	ug/l	99
10) Methyl Iodide	4.007	142	44233	17.585	ug/l	98
11) Tert butyl alcohol	4.854	59	18872	112.664	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	41641	18.458	ug/l	97
13) Acrolein	3.653	56	21168	179.285	ug/l	86
14) Allyl chloride	4.379	41	67344	18.472	ug/l	99
15) Acrylonitrile	5.055	53	50655	99.073	ug/l	99
16) Acetone	3.873	43	41021	81.023	ug/l	90
17) Carbon Disulfide	4.098	76	129057	18.254	ug/l	100
18) Methyl Acetate	4.385	43	22955	20.434	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	108627	18.997	ug/l	97
20) Methylene Chloride	4.616	84	51510	19.382	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	46204	18.288	ug/l	96
22) Diisopropyl ether	6.018	45	151452	19.276	ug/l	95
23) Vinyl Acetate	5.957	43	428924	95.655	ug/l	100
24) 1,1-Dichloroethane	5.915	63	88705	19.129	ug/l	98
25) 2-Butanone	6.896	43	63208	90.252	ug/l	100
26) 2,2-Dichloropropane	6.878	77	74290	17.411	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	53000	18.466	ug/l	99
28) Bromochloromethane	7.244	49	39492	20.314	ug/l	99
29) Tetrahydrofuran	7.262	42	42647	98.637	ug/l	99
30) Chloroform	7.421	83	91256	18.951	ug/l	97
31) Cyclohexane	7.701	56	75774	17.430	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	80271	18.206	ug/l	99
36) 1,1-Dichloropropene	7.829	75	64551	17.898	ug/l	99
37) Ethyl Acetate	6.982	43	28849	18.098	ug/l	98
38) Carbon Tetrachloride	7.817	117	73590	17.742	ug/l	95
39) Methylcyclohexane	9.109	83	74570	16.857	ug/l	98
40) Benzene	8.079	78	196219	18.469	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021409.D
Acq On : 05 Mar 2025 13:45
Operator : SY/MD
Sample : VY0305SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	15389m	17.730	ug/l		
42) 1,2-Dichloroethane	8.152	62	57208	19.248	ug/l		99
43) Isopropyl Acetate	8.195	43	56545	18.273	ug/l	#	85
44) Trichloroethene	8.859	130	48014	17.885	ug/l		93
45) 1,2-Dichloropropane	9.140	63	46681	18.462	ug/l		94
46) Dibromomethane	9.231	93	26764	19.024	ug/l		98
47) Bromodichloromethane	9.420	83	68827	18.421	ug/l		100
48) Methyl methacrylate	9.219	41	25720	18.101	ug/l		100
49) 1,4-Dioxane	9.225	88	5971	432.398	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	152608	95.582	ug/l		100
52) Toluene	10.170	92	121847	18.192	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	61521	18.690	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	71042	18.178	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	35259	19.159	ug/l		99
56) Ethyl methacrylate	10.438	69	42706	18.195	ug/l		99
57) 1,3-Dichloropropane	10.719	76	59707	18.719	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	111962	103.336	ug/l		100
59) 2-Hexanone	10.762	43	99995	94.717	ug/l		96
60) Dibromochloromethane	10.908	129	46676	18.500	ug/l		100
61) 1,2-Dibromoethane	11.018	107	32873	18.926	ug/l		100
64) Tetrachloroethene	10.646	164	45794	18.096	ug/l		96
65) Chlorobenzene	11.438	112	131833	17.939	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.511	131	47843	18.413	ug/l		98
67) Ethyl Benzene	11.517	91	225293	17.466	ug/l		100
68) m/p-Xylenes	11.627	106	172873	35.300	ug/l		99
69) o-Xylene	11.950	106	79329	17.576	ug/l		99
70) Styrene	11.969	104	136324	18.207	ug/l		99
71) Bromoform	12.133	173	26835	18.475	ug/l	#	98
73) Isopropylbenzene	12.255	105	212772	17.186	ug/l		100
74) N-amyl acetate	12.072	43	48593	18.073	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	40337	18.463	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	29137m	18.398	ug/l		
77) Bromobenzene	12.529	156	51103	17.644	ug/l		100
78) n-propylbenzene	12.597	91	260508	17.326	ug/l		100
79) 2-Chlorotoluene	12.682	91	151725	17.648	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	175683	17.462	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11980	17.196	ug/l		97
82) 4-Chlorotoluene	12.779	91	156301	17.557	ug/l		100
83) tert-Butylbenzene	12.999	119	156396	17.425	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	176990	17.718	ug/l		100
85) sec-Butylbenzene	13.176	105	227920	17.068	ug/l		99
86) p-Isopropyltoluene	13.292	119	190282	17.296	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	101377	17.584	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	98520	17.473	ug/l		98
89) n-Butylbenzene	13.621	91	172740	17.004	ug/l		100
90) Hexachloroethane	13.877	117	41250	17.576	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	87726	17.753	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6358	19.428	ug/l		92
93) 1,2,4-Trichlorobenzene	14.919	180	47398	17.561	ug/l		99
94) Hexachlorobutadiene	15.023	225	30076	17.777	ug/l		98
95) Naphthalene	15.145	128	76650	18.823	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	40264	17.737	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021409.D
Acq On : 05 Mar 2025 13:45
Operator : SY/MD
Sample : VY0305SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

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

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

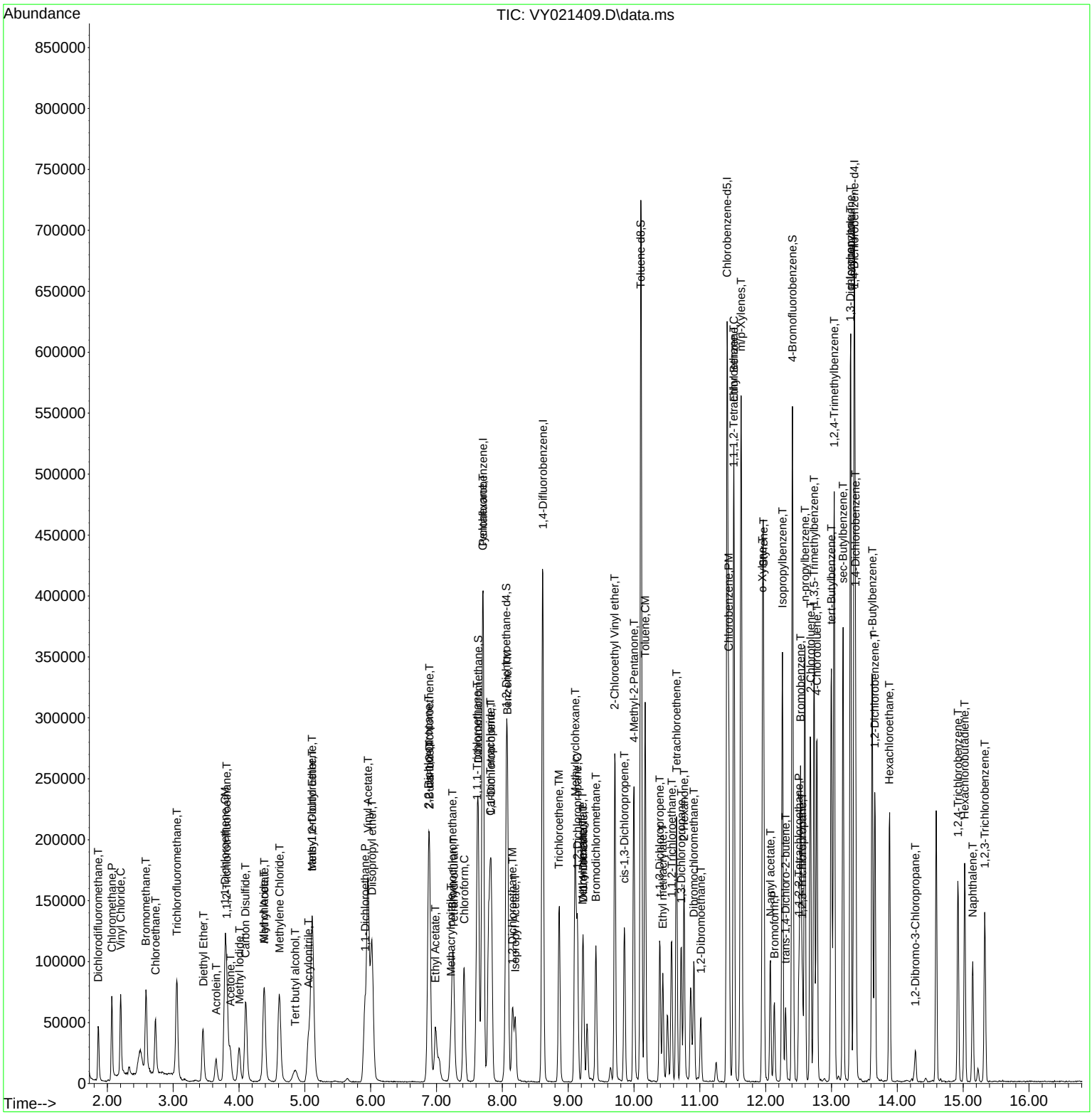
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021409.D
Acq On : 05 Mar 2025 13:45
Operator : SY/MD
Sample : VY0305SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



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

Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC010	VY021397.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Tert butyl alcohol	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICCC050	VY021399.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:35 PM	SAM	3/6/2025 3:00:06 PM	Peak Integrated by Software
VSTDICC100	VY021400.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:49 PM	SAM	3/6/2025 3:00:09 PM	Peak Integrated by Software
VSTDICC150	VY021401.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:42 PM	SAM	3/6/2025 3:00:14 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	vy030525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021406.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:59:01 PM	SAM	3/6/2025 3:01:03 PM	Peak Integrated by Software
VY0305SBS01	VY021408.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:58:58 PM	SAM	3/6/2025 3:01:04 PM	Peak Integrated by Software
VY0305SBS01	VY021408.D	Methacrylonitrile	MMDadoda	3/6/2025 2:58:58 PM	SAM	3/6/2025 3:01:04 PM	Peak Integrated by Software
VY0305SBSD01	VY021409.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:58:59 PM	SAM	3/6/2025 3:01:05 PM	Peak Integrated by Software
VY0305SBSD01	VY021409.D	Methacrylonitrile	MMDadoda	3/6/2025 2:58:59 PM	SAM	3/6/2025 3:01:05 PM	Peak Integrated by Software
VSTDCCC050	VY021424.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:59:00 PM	SAM	3/6/2025 3:01:11 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM				
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021395.D	04 Mar 2025 08:52	SY/MD	Ok
2	VSTDICC005	VY021396.D	04 Mar 2025 09:23	SY/MD	Not Ok
3	VSTDICC010	VY021397.D	04 Mar 2025 09:46	SY/MD	Ok,M
4	VSTDICC020	VY021398.D	04 Mar 2025 10:09	SY/MD	Ok,M
5	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	SY/MD	Ok,M
6	VSTDICC100	VY021400.D	04 Mar 2025 11:06	SY/MD	Ok,M
7	VSTDICC150	VY021401.D	04 Mar 2025 11:29	SY/MD	Ok,M
8	VIBLK	VY021402.D	04 Mar 2025 11:52	SY/MD	Ok
9	VSTDICC005	VY021403.D	04 Mar 2025 12:15	SY/MD	Ok,M
10	VSTDICV050	VY021404.D	04 Mar 2025 13:12	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030525

Review By	Mahesh Dadoda	Review On	3/6/2025 2:57:13 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/6/2025 3:01:17 PM				
SubDirectory	VY030525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133220
Initial Calibration Stds	
CCC	VP133221,VP133222
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021405.D	05 Mar 2025 09:41	SY/MD	Ok
2	VSTDCCC050	VY021406.D	05 Mar 2025 11:39	SY/MD	Ok,M
3	VY0305SBL01	VY021407.D	05 Mar 2025 12:02	SY/MD	Ok
4	VY0305SBS01	VY021408.D	05 Mar 2025 13:23	SY/MD	Ok,M
5	VY0305SBSD01	VY021409.D	05 Mar 2025 13:45	SY/MD	Ok,M
6	Q1475-01	VY021410.D	05 Mar 2025 14:11	SY/MD	Not Ok
7	Q1474-02	VY021411.D	05 Mar 2025 14:34	SY/MD	Ok
8	Q1447-01	VY021412.D	05 Mar 2025 14:58	SY/MD	Ok
9	Q1480-01	VY021413.D	05 Mar 2025 15:21	SY/MD	Ok,M
10	Q1480-09	VY021414.D	05 Mar 2025 15:45	SY/MD	Ok
11	Q1480-25	VY021415.D	05 Mar 2025 16:08	SY/MD	Ok
12	Q1481-01	VY021416.D	05 Mar 2025 16:31	SY/MD	Ok
13	Q1482-01	VY021417.D	05 Mar 2025 16:55	SY/MD	Ok,M
14	Q1475-01	VY021418.D	05 Mar 2025 17:18	SY/MD	Ok
15	Q1489-01	VY021419.D	05 Mar 2025 17:42	SY/MD	Ok
16	Q1489-05	VY021420.D	05 Mar 2025 18:05	SY/MD	Not Ok
17	Q1489-09	VY021421.D	05 Mar 2025 18:29	SY/MD	Ok,M
18	Q1489-13	VY021422.D	05 Mar 2025 18:52	SY/MD	Ok
19	Q1484-02	VY021423.D	05 Mar 2025 19:16	SY/MD	Ok
20	VSTDCCC050	VY021424.D	05 Mar 2025 19:38	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM		
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021395.D	04 Mar 2025 08:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021396.D	04 Mar 2025 09:23	not used	SY/MD	Not Ok
3	VSTDICC010	VSTDICC010	VY021397.D	04 Mar 2025 09:46		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021398.D	04 Mar 2025 10:09	Comp.#11 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	Comp.#95 is on Quadratic Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021400.D	04 Mar 2025 11:06		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021401.D	04 Mar 2025 11:29	Method fail for comp.#13	SY/MD	Ok,M
8	VIBLK	VIBLK	VY021402.D	04 Mar 2025 11:52		SY/MD	Ok
9	VSTDICC005	VSTDICC005	VY021403.D	04 Mar 2025 12:15		SY/MD	Ok,M
10	VSTDICV050	ICVVY030425	VY021404.D	04 Mar 2025 13:12		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030525

Review By	Mahesh Dadoda	Review On	3/6/2025 2:57:13 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/6/2025 3:01:17 PM		
SubDirectory	VY030525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133220
Initial Calibration Stds	
CCC	VP133221,VP133222
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021405.D	05 Mar 2025 09:41		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021406.D	05 Mar 2025 11:39		SY/MD	Ok,M
3	VY0305SBL01	VY0305SBL01	VY021407.D	05 Mar 2025 12:02		SY/MD	Ok
4	VY0305SBS01	VY0305SBS01	VY021408.D	05 Mar 2025 13:23		SY/MD	Ok,M
5	VY0305SBSD01	VY0305SBSD01	VY021409.D	05 Mar 2025 13:45		SY/MD	Ok,M
6	Q1475-01	TR-04-02282025	VY021410.D	05 Mar 2025 14:11	Vial-A Not purged	SY/MD	Not Ok
7	Q1474-02	BU-03-02282025	VY021411.D	05 Mar 2025 14:34	Vial-A	SY/MD	Ok
8	Q1447-01	WC1	VY021412.D	05 Mar 2025 14:58	Vial-A	SY/MD	Ok
9	Q1480-01	TP-1	VY021413.D	05 Mar 2025 15:21	Vial-A ISTD Fail	SY/MD	Ok,M
10	Q1480-09	TP-2	VY021414.D	05 Mar 2025 15:45	Vial-A ISTD Fail	SY/MD	Ok
11	Q1480-25	TP-4	VY021415.D	05 Mar 2025 16:08	Vial-A ISTD Fail	SY/MD	Ok
12	Q1481-01	WC-K1311	VY021416.D	05 Mar 2025 16:31	Vial-A	SY/MD	Ok
13	Q1482-01	OR-03-030425	VY021417.D	05 Mar 2025 16:55	Vial-A	SY/MD	Ok,M
14	Q1475-01	TR-04-02282025	VY021418.D	05 Mar 2025 17:18	vial-B	SY/MD	Ok
15	Q1489-01	TP-1	VY021419.D	05 Mar 2025 17:42	Vial-A Internal standard fail	SY/MD	Ok
16	Q1489-05	TP-2	VY021420.D	05 Mar 2025 18:05	Vial-A Not purge	SY/MD	Not Ok
17	Q1489-09	TP-3	VY021421.D	05 Mar 2025 18:29	Vial-A	SY/MD	Ok,M
18	Q1489-13	TP-4	VY021422.D	05 Mar 2025 18:52	Vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030525

Review By	Mahesh Dadoda	Review On	3/6/2025 2:57:13 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/6/2025 3:01:17 PM		
SubDirectory	VY030525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133220
Initial Calibration Stds	
CCC	VP133221,VP133222
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1484-02	TR-OTR-VOC-01	VY021423.D	05 Mar 2025 19:16	Vial-A	SY/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VY021424.D	05 Mar 2025 19:38		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1447	**OrderDate:**	2/26/2025 2:32:53 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	H31,H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1447-01	**WC1**	**SOIL**			**02/23/25**			**02/26/25**
			VOC-TCLVOA-10	8260D			03/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1447

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**WC1**								
Q1447-01	WC1	SOIL	Naphthalene		94.700	J	89.2	180	ug/Kg
Q1447-01	WC1	SOIL	Bis(2-ethylhexyl)phthalate		1,400.000		98.3	180	ug/Kg
			Total Svoc :		**1,494.70**				
Q1447-01	WC1	SOIL	1-Dodecene	*	260.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	2,5-Cyclohexadiene-1,4-dione, 2,(	*	390.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	380.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1-cyclohexyl-3-methyl-	*	680.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Cyclohexane, (2-methylpropyl)-	*	320.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Cyclohexane, 1-methyl-2-propyl-	*	210.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Cyclohexane, pentyl-	*	570.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Decane, 3,7-dimethyl-	*	1,700.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Mesitylene	*	430.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Naphthalene, decahydro-, trans-	*	320.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	o-Cymene	*	170.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Sulfurous acid, 2-ethylhexyl tride	*	720.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Tetratetracontane	*	820.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Tridecane, 6-methyl-	*	490.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	unknown6.145	*	220.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	unknown7.004	*	250.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	unknown7.534	*	650.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	unknown7.816	*	190.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	unknown8.104	*	420.000	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	unknown8.410	*	180.000	J	0	0	ug/Kg
			Total Tics :		**9,370.00**				
			Total Concentration:		**10,864.70**				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141821.D	1	03/03/25 13:15	03/03/25 19:14	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	360	ug/Kg
108-95-2	Phenol	89.5	U	89.5	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	90.4	U	90.4	180	ug/Kg
95-57-8	2-Chlorophenol	90.2	U	90.2	180	ug/Kg
95-48-7	2-Methylphenol	87.0	U	87.0	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.1	U	98.1	180	ug/Kg
98-86-2	Acetophenone	93.8	U	93.8	180	ug/Kg
65794-96-9	3+4-Methylphenols	86.2	U	86.2	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.5	U	43.5	86.4	ug/Kg
67-72-1	Hexachloroethane	89.6	U	89.6	180	ug/Kg
98-95-3	Nitrobenzene	98.0	U	98.0	180	ug/Kg
78-59-1	Isophorone	91.3	U	91.3	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	92.6	U	92.6	180	ug/Kg
120-83-2	2,4-Dichlorophenol	81.5	U	81.5	180	ug/Kg
91-20-3	Naphthalene	94.7	J	89.2	180	ug/Kg
106-47-8	4-Chloroaniline	89.2	UQ	89.2	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.9	U	89.9	180	ug/Kg
105-60-2	Caprolactam	93.7	U	93.7	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	83.7	U	83.7	180	ug/Kg
91-57-6	2-Methylnaphthalene	89.1	U	89.1	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.1	U	77.1	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.9	U	79.9	180	ug/Kg
92-52-4	1,1-Biphenyl	94.4	U	94.4	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.9	U	89.9	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	88.2	U	88.2	180	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141821.D	1	03/03/25 13:15	03/03/25 19:14	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	93.4	U	93.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.8	U	89.8	180	ug/Kg
99-09-2	3-Nitroaniline	96.3	UQ	96.3	180	ug/Kg
83-32-9	Acenaphthene	87.6	U	87.6	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	360	ug/Kg
132-64-9	Dibenzofuran	91.1	U	91.1	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.1	U	93.1	180	ug/Kg
84-66-2	Diethylphthalate	86.5	U	86.5	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92.4	U	92.4	180	ug/Kg
86-73-7	Fluorene	92.3	U	92.3	180	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.1	U	88.1	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	85.2	U	85.2	180	ug/Kg
118-74-1	Hexachlorobenzene	91.8	U	91.8	180	ug/Kg
1912-24-9	Atrazine	98.7	U	98.7	180	ug/Kg
87-86-5	Pentachlorophenol	83.5	U	83.5	360	ug/Kg
85-01-8	Phenanthrene	90.7	U	90.7	180	ug/Kg
120-12-7	Anthracene	91.1	U	91.1	180	ug/Kg
86-74-8	Carbazole	86.7	U	86.7	180	ug/Kg
84-74-2	Di-n-butylphthalate	91.0	U	91.0	180	ug/Kg
206-44-0	Fluoranthene	88.2	U	88.2	180	ug/Kg
129-00-0	Pyrene	89.6	U	89.6	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	87.1	U	87.1	180	ug/Kg
218-01-9	Chrysene	85.8	U	85.8	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		98.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.6	U	87.6	180	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141821.D	1	03/03/25 13:15	03/03/25 19:14	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	89.2	U	89.2	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.3	U	84.3	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.7	U	87.7	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	86.5	U	86.5	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.7	U	93.7	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	80.7	U	80.7	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	86.1		30 (18) - 130 (112)	57%	SPK: 150
13127-88-3	Phenol-d6	84.6		30 (15) - 130 (107)	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.8		30 (18) - 130 (107)	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.8		30 (20) - 130 (109)	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.0		30 (10) - 130 (116)	61%	SPK: 150
1718-51-0	Terphenyl-d14	49.8		30 (10) - 130 (105)	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	144000	6.892			
1146-65-2	Naphthalene-d8	617000	8.169			
15067-26-2	Acenaphthene-d10	349000	9.928			
1517-22-2	Phenanthrene-d10	458000	11.433			
1719-03-5	Chrysene-d12	417000	14.116			
1520-96-3	Perylene-d12	464000	15.621			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown6.145	220	J		6.14	ug/Kg
004291-79-6	Cyclohexane, 1-methyl-2-propyl-	210	J		6.63	ug/Kg
000108-67-8	Mesitylene	430	J		6.72	ug/Kg
	unknown7.004	250	J		7.00	ug/Kg
001678-98-4	Cyclohexane, (2-methylpropyl)-	320	J		7.04	ug/Kg
000112-41-4	1-Dodecene	260	J		7.16	ug/Kg
000493-02-7	Naphthalene, decahydro-, trans-	320	J		7.29	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141821.D	1	03/03/25 13:15	03/03/25 19:14	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000527-84-4	o-Cymene	170	J		7.38	ug/Kg
	unknown7.534	650	J		7.53	ug/Kg
013287-21-3	Tridecane, 6-methyl-	490	J		7.59	ug/Kg
017312-54-8	Decane, 3,7-dimethyl-	1700	J		7.67	ug/Kg
004292-92-6	Cyclohexane, pentyl-	570	J		7.79	ug/Kg
	unknown7.816	190	J		7.82	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	380	J		7.91	ug/Kg
	unknown8.104	420	J		8.10	ug/Kg
	unknown8.410	180	J		8.41	ug/Kg
004575-46-6	Benzene, 1-cyclohexyl-3-methyl-	680	J		9.56	ug/Kg
007098-22-8	Tetratetracontane	820	J		9.65	ug/Kg
000719-22-2	2,5-Cyclohexadiene-1,4-dione, 2,6-	390	J		9.74	ug/Kg
1000309-19-6	Sulfurous acid, 2-ethylhexyl tride	720	J		10.9	ug/Kg

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166957BL	PB166957BL	2-Fluorophenol	150	125	83		30 (18)	130 (112)
		Phenol-d6	150	119	79		30 (15)	130 (107)
		Nitrobenzene-d5	100	102	102		30 (18)	130 (107)
		2-Fluorobiphenyl	100	87.8	88		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	143	95		30 (10)	130 (116)
		Terphenyl-d14	100	74.8	75		30 (10)	130 (105)
PB166957BS	PB166957BS	2-Fluorophenol	150	125	84		30 (18)	130 (112)
		Phenol-d6	150	123	82		30 (15)	130 (107)
		Nitrobenzene-d5	100	104	104		30 (18)	130 (107)
		2-Fluorobiphenyl	100	90.1	90		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	147	98		30 (10)	130 (116)
		Terphenyl-d14	100	89.1	89		30 (10)	130 (105)
Q1447-01	WC1	2-Fluorophenol	150	86.1	57		30 (18)	130 (112)
		Phenol-d6	150	84.6	56		30 (15)	130 (107)
		Nitrobenzene-d5	100	70.8	71		30 (18)	130 (107)
		2-Fluorobiphenyl	100	61.8	62		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	91.0	61		30 (10)	130 (116)
		Terphenyl-d14	100	49.8	50		30 (10)	130 (105)
Q1475-01MS	TR-04-02282025MS	2-Fluorophenol	150	114	76		30 (18)	130 (112)
		Phenol-d6	150	116	77		30 (15)	130 (107)
		Nitrobenzene-d5	100	85.1	85		30 (18)	130 (107)
		2-Fluorobiphenyl	100	74.1	74		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	134	89		30 (10)	130 (116)
		Terphenyl-d14	100	77.6	78		30 (10)	130 (105)
Q1475-01MSD	TR-04-02282025MSD	2-Fluorophenol	150	118	79		30 (18)	130 (112)
		Phenol-d6	150	120	80		30 (15)	130 (107)
		Nitrobenzene-d5	100	90.0	90		30 (18)	130 (107)
		2-Fluorobiphenyl	100	76.4	76		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	136	91		30 (10)	130 (116)
		Terphenyl-d14	100	81.9	82		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1475-01MS		**Client Sample ID: TR-04-02282025MS**						**DataFile: BF141819.D**			
Benzaldehyde	1100	0	510	ug/Kg	46				20 (10)	160 (86)	
Phenol	1100	0	1000	ug/Kg	91				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1100	0	930	ug/Kg	85				70 (54)	130 (125)	
2-Chlorophenol	1100	0	950	ug/Kg	86				70 (79)	130 (107)	
2-Methylphenol	1100	0	970	ug/Kg	88				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1100	0	940	ug/Kg	85				70 (65)	130 (110)	
Acetophenone	1100	0	1000	ug/Kg	91				70 (75)	130 (111)	
3+4-Methylphenols	1100	0	1000	ug/Kg	91				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1100	0	910	ug/Kg	83				70 (59)	130 (119)	
Hexachloroethane	1100	0	930	ug/Kg	85				20 (65)	160 (117)	
Nitrobenzene	1100	0	1000	ug/Kg	91				70 (70)	130 (119)	
Isophorone	1100	0	940	ug/Kg	85				70 (76)	130 (122)	
2-Nitrophenol	1100	0	880	ug/Kg	80				70 (54)	130 (145)	
2,4-Dimethylphenol	1100	0	1100	ug/Kg	100				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1100	0	880	ug/Kg	80				70 (68)	130 (112)	
2,4-Dichlorophenol	1100	0	970	ug/Kg	88				70 (72)	130 (118)	
Naphthalene	1100	0	970	ug/Kg	88				70 (72)	130 (110)	
4-Chloroaniline	1100	0	360	ug/Kg	33	*			70 (10)	130 (91)	
Hexachlorobutadiene	1100	0	870	ug/Kg	79				70 (66)	130 (114)	
Caprolactam	1100	0	1400	ug/Kg	127				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100				70 (57)	130 (132)	
2-Methylnaphthalene	1100	57.2	1000	ug/Kg	86				70 (59)	130 (123)	
Hexachlorocyclopentadiene	2200	0	1900	ug/Kg	86				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1100	0	930	ug/Kg	85				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1100	0	1100	ug/Kg	100				70 (72)	130 (117)	
1,1-Biphenyl	1100	0	1000	ug/Kg	91				70 (75)	130 (113)	
2-Chloronaphthalene	1100	0	930	ug/Kg	85				70 (67)	130 (118)	
2-Nitroaniline	1100	0	1100	ug/Kg	100				70 (69)	130 (127)	
Dimethylphthalate	1100	0	930	ug/Kg	85				70 (70)	130 (113)	
Acenaphthylene	1100	0	1100	ug/Kg	100				70 (79)	130 (118)	
2,6-Dinitrotoluene	1100	0	1000	ug/Kg	91				70 (70)	130 (125)	
3-Nitroaniline	1100	0	870	ug/Kg	79				70 (30)	130 (99)	
Acenaphthene	1100	330	1400	ug/Kg	97				70 (70)	130 (121)	
2,4-Dinitrophenol	2200	0	1900	ug/Kg	86				20 (10)	160 (155)	
4-Nitrophenol	2200	0	3000	ug/Kg	136				20 (45)	160 (133)	
Dibenzofuran	1100	150	1100	ug/Kg	86				70 (72)	130 (110)	
2,4-Dinitrotoluene	1100	0	1300	ug/Kg	118				70 (55)	130 (128)	
Diethylphthalate	1100	0	980	ug/Kg	89				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1100	0	980	ug/Kg	89				70 (71)	130 (108)	
Fluorene	1100	410	1400	ug/Kg	90				70 (68)	130 (116)	
4-Nitroaniline	1100	0	1400	ug/Kg	127				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1100	0	890	ug/Kg	81				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1100	0	920	ug/Kg	84				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1100	0	890	ug/Kg	81				70 (65)	130 (121)	
Hexachlorobenzene	1100	0	930	ug/Kg	85				70 (67)	130 (118)	
Atrazine	1100	0	1300	ug/Kg	118				70 (79)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2200	0	1900	ug/Kg	86				20 (47)	160 (128)	
Phenanthrene	1100	2000	2800	ug/Kg	73				70 (52)	130 (128)	
Anthracene	1100	750	1700	ug/Kg	86				70 (62)	130 (124)	
Carbazole	1100	410	1400	ug/Kg	90				70 (59)	130 (119)	
Di-n-butylphthalate	1100	0	990	ug/Kg	90				70 (69)	130 (118)	
Fluoranthene	1100	2500	3200	ug/Kg	64	*			70 (44)	130 (125)	
Pyrene	1100	1900	2600	ug/Kg	64	*			70 (26)	130 (142)	
Butylbenzylphthalate	1100	0	1100	ug/Kg	100				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1100	0	570	ug/Kg	52	*			70 (33)	130 (116)	
Benzo(a)anthracene	1100	1400	2400	ug/Kg	91				70 (71)	130 (114)	
Chrysene	1100	1100	2000	ug/Kg	82				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109				70 (42)	130 (169)	
Di-n-octyl phthalate	1100	0	1200	ug/Kg	109				70 (23)	130 (175)	
Benzo(b)fluoranthene	1100	1300	2300	ug/Kg	91				70 (67)	130 (121)	
Benzo(k)fluoranthene	1100	500	1300	ug/Kg	73				70 (57)	130 (134)	
Benzo(a)pyrene	1100	1100	2100	ug/Kg	91				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1100	410	1300	ug/Kg	81				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1100	130	1000	ug/Kg	79				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1100	400	1200	ug/Kg	73				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1100	0	950	ug/Kg	86				70 (69)	130 (124)	
1,4-Dioxane	1100	0	910	ug/Kg	83				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1100	0	1100	ug/Kg	100				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1475-01MSD		**Client Sample ID: TR-04-02282025MSD**						**DataFile: BF141820.D**			
Benzaldehyde	1100	0	530	ug/Kg	48		4		20 (10)	160 (86)	30 (20)
Phenol	1100	0	1000	ug/Kg	91		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1100	0	960	ug/Kg	87		2		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1100	0	1000	ug/Kg	91		6		70 (79)	130 (107)	30 (20)
2-Methylphenol	1100	0	1000	ug/Kg	91		3		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1100	0	980	ug/Kg	89		5		70 (65)	130 (110)	30 (20)
Acetophenone	1100	0	1000	ug/Kg	91		0		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1100	0	1100	ug/Kg	100		9		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1100	0	940	ug/Kg	85		2		70 (59)	130 (119)	30 (20)
Hexachloroethane	1100	0	960	ug/Kg	87		2		20 (65)	160 (117)	30 (20)
Nitrobenzene	1100	0	1000	ug/Kg	91		0		70 (70)	130 (119)	30 (20)
Isophorone	1100	0	970	ug/Kg	88		3		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1100	0	940	ug/Kg	85		6		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1100	0	1200	ug/Kg	109		9		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1100	0	900	ug/Kg	82		2		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1100	0	1000	ug/Kg	91		3		70 (72)	130 (118)	30 (20)
Naphthalene	1100	0	1000	ug/Kg	91		3		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1100	0	380	ug/Kg	35	*	6		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1100	0	910	ug/Kg	83		5		70 (66)	130 (114)	30 (20)
Caprolactam	1100	0	1400	ug/Kg	127		0		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1100	57.2	1000	ug/Kg	86		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	2200	0	1600	ug/Kg	73		16		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1100	0	1000	ug/Kg	91		7		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1100	0	1000	ug/Kg	91		9		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1100	0	1000	ug/Kg	91		0		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1100	0	970	ug/Kg	88		3		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1100	0	1100	ug/Kg	100		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1100	0	960	ug/Kg	87		2		70 (70)	130 (113)	30 (20)
Acenaphthylene	1100	0	1100	ug/Kg	100		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1100	0	1100	ug/Kg	100		9		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1100	0	890	ug/Kg	81		3		70 (30)	130 (99)	30 (20)
Acenaphthene	1100	330	1400	ug/Kg	97		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	2200	0	1800	ug/Kg	82		5		20 (10)	160 (155)	30 (20)
4-Nitrophenol	2200	0	3100	ug/Kg	141		4		20 (45)	160 (133)	30 (20)
Dibenzofuran	1100	150	1100	ug/Kg	86		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1100	0	1300	ug/Kg	118		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1100	0	990	ug/Kg	90		1		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1100	0	1000	ug/Kg	91		2		70 (71)	130 (108)	30 (20)
Fluorene	1100	410	1400	ug/Kg	90		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1100	0	1400	ug/Kg	127		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1100	0	900	ug/Kg	82		1		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1100	0	980	ug/Kg	89		6		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1100	0	940	ug/Kg	85		5		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1100	0	960	ug/Kg	87		2		70 (67)	130 (118)	30 (20)
Atrazine	1100	0	1400	ug/Kg	127		7		70 (79)	130 (127)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2200	0	2000	ug/Kg	91		6		20 (47)	160 (128)	30 (20)
Phenanthrene	1100	2000	2900	ug/Kg	82		12		70 (52)	130 (128)	30 (20)
Anthracene	1100	750	1700	ug/Kg	86		0		70 (62)	130 (124)	30 (20)
Carbazole	1100	410	1400	ug/Kg	90		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1100	0	1000	ug/Kg	91		1		70 (69)	130 (118)	30 (20)
Fluoranthene	1100	2500	3300	ug/Kg	73		13		70 (44)	130 (125)	30 (20)
Pyrene	1100	1900	2700	ug/Kg	73		13		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1100	0	1100	ug/Kg	100		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1100	0	630	ug/Kg	57	*	9		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1100	1400	2400	ug/Kg	91		0		70 (71)	130 (114)	30 (20)
Chrysene	1100	1100	2100	ug/Kg	91		10		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1100	0	1300	ug/Kg	118		8		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1100	1300	2300	ug/Kg	91		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1100	500	1400	ug/Kg	82		12		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1100	1100	2100	ug/Kg	91		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1100	410	1300	ug/Kg	81		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1100	130	1000	ug/Kg	79		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1100	400	1300	ug/Kg	82		12		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1100	0	980	ug/Kg	89		3		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1100	0	920	ug/Kg	84		1		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1100	0	1100	ug/Kg	100		0		70 (69)	130 (112)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: 8270E **DataFile:** BF141826.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166957BS	Benzaldehyde	1700	830	ug/Kg	49				20 (10)	160 (133)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	2-Chlorophenol	1700	1400	ug/Kg	82				70 (65)	130 (112)	
	2-Methylphenol	1700	1400	ug/Kg	82				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				70 (51)	130 (100)	
	Acetophenone	1700	1500	ug/Kg	88				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				70 (63)	130 (95)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1400	ug/Kg	82				70 (59)	130 (99)	
	2-Nitrophenol	1700	1500	ug/Kg	88				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				70 (62)	130 (107)	
	Naphthalene	1700	1300	ug/Kg	76				70 (62)	130 (100)	
	4-Chloroaniline	1700	500	ug/Kg	29		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				70 (53)	130 (98)	
	Caprolactam	1700	1600	ug/Kg	94				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	4700	ug/Kg	142				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1400	ug/Kg	82				70 (61)	130 (99)	
	Acenaphthylene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				70 (61)	130 (104)	
	3-Nitroaniline	1700	950	ug/Kg	56		*		70 (28)	130 (100)	
	Acenaphthene	1700	1500	ug/Kg	88				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				20 (37)	160 (128)	
	4-Nitrophenol	3300	3800	ug/Kg	115				20 (48)	160 (119)	
	Dibenzofuran	1700	1300	ug/Kg	76				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				70 (60)	130 (106)	
	Diethylphthalate	1700	1300	ug/Kg	76				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				70 (58)	130 (98)	
	Fluorene	1700	1400	ug/Kg	82				70 (61)	130 (101)	
	4-Nitroaniline	1700	1800	ug/Kg	106				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				70 (66)	130 (102)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: 8270E **DataFile:** BF141826.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166957BS	Hexachlorobenzene	1700	1400	ug/Kg	82				70 (64)	130 (98)	
	Atrazine	1700	1900	ug/Kg	112				70 (47)	130 (152)	
	Pentachlorophenol	3300	2900	ug/Kg	88				20 (67)	160 (105)	
	Phenanthrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Anthracene	1700	1400	ug/Kg	82				70 (61)	130 (105)	
	Carbazole	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1300	ug/Kg	76				70 (58)	130 (104)	
	Fluoranthene	1700	1400	ug/Kg	82				70 (57)	130 (107)	
	Pyrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	900	ug/Kg	53		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				70 (60)	130 (102)	
	Chrysene	1700	1400	ug/Kg	82				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (108)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166957BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: BF141825.D Lab Sample ID: PB166957BL

Instrument ID: BNA_F Date Extracted: 03/03/2025

Matrix: (soil/water) SOIL Date Analyzed: 03/04/2025

Level: (low/med) LOW Time Analyzed: 14:15

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166957BS	PB166957BS	BF141826.D	03/04/2025
WC1	Q1447-01	BF141821.D	03/03/2025
TR-04-02282025MS	Q1475-01MS	BF141819.D	03/03/2025
TR-04-02282025MSD	Q1475-01MSD	BF141820.D	03/03/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: BF141792.D DFTPP Injection Date: 02/27/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	46.5
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	27.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.1 (19.4) 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
SSTDICC2.5	SSTDICC2.5	BF141793.D	02/27/2025	15:17
SSTDICC005	SSTDICC005	BF141794.D	02/27/2025	15:46
SSTDICC010	SSTDICC010	BF141795.D	02/27/2025	16:16
SSTDICC020	SSTDICC020	BF141796.D	02/27/2025	16:46
SSTDICCC040	SSTDICCC040	BF141797.D	02/27/2025	17:16
SSTDICC050	SSTDICC050	BF141798.D	02/27/2025	17:46
SSTDICC060	SSTDICC060	BF141799.D	02/27/2025	18:15
SSTDICC080	SSTDICC080	BF141800.D	02/27/2025	18:45

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: BF141810.D DFTPP Injection Date: 03/03/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	36.4
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	47.5
197	Less than 2.0% of mass 198	0.6
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	27.1
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.6 (19.3) 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
SSTDCCC040	SSTDCCC040	BF141811.D	03/03/2025	14:16
TR-04-02282025MS	Q1475-01MS	BF141819.D	03/03/2025	18:16
TR-04-02282025MSD	Q1475-01MSD	BF141820.D	03/03/2025	18:45
WC1	Q1447-01	BF141821.D	03/03/2025	19:14

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: BF141823.D DFTPP Injection Date: 03/04/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.8
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	37.7
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	49
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	7
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.6 (19.8) 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
SSTDCCC040	SSTDCCC040	BF141824.D	03/04/2025	13:46
PB166957BL	PB166957BL	BF141825.D	03/04/2025	14:15
PB166957BS	PB166957BS	BF141826.D	03/04/2025	14:44

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/03/2025

Lab File ID: BF141811.D Time Analyzed: 14:16

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	333117	6.887	1275840	8.17	681541	9.93
	UPPER LIMIT	666234	7.387	2551680	8.669	1363080	10.428
	LOWER LIMIT	166559	6.387	637920	7.669	340771	9.428
	EPA SAMPLE NO.						
01	WC1	144444 *	6.89	617193 *	8.17	349015	9.93
02	TR-04-02282025MS	111069 *	6.89	466588 *	8.17	292659 *	9.92
03	TR-04-02282025MSD	110601 *	6.89	472405 *	8.17	295427 *	9.93

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/03/2025

Lab File ID: BF141811.D Time Analyzed: 14:16

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1118000	11.41	663447	14.045	550070	15.515
	UPPER LIMIT	2236000	11.91	1326890	14.545	1100140	16.015
	LOWER LIMIT	559000	10.91	331724	13.545	275035	15.015
	EPA SAMPLE NO.						
01	WC1	458368 *	11.43	417353	14.12	463776	15.62
02	TR-04-02282025MS	567711	11.41	381619	14.05	352598	15.53
03	TR-04-02282025MSD	545054 *	11.41	364367	14.06	325863	15.53

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/04/2025

Lab File ID: BF141824.D Time Analyzed: 13:46

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	319426	6.887	1215090	8.17	645310	9.92
	UPPER LIMIT	638852	7.387	2430180	8.669	1290620	10.422
	LOWER LIMIT	159713	6.387	607545	7.669	322655	9.422
	EPA SAMPLE NO.						
01	PB166957BL	311350	6.89	1222400	8.16	667294	9.92
02	PB166957BS	309118	6.89	1216990	8.17	647778	9.92

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/04/2025

Lab File ID: BF141824.D Time Analyzed: 13:46

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1061920	11.41	709212	14.045	560512	15.509
	UPPER LIMIT	2123840	11.91	1418420	14.545	1121020	16.009
	LOWER LIMIT	530960	10.91	354606	13.545	280256	15.009
	EPA SAMPLE NO.						
01	PB166957BL	1172170	11.40	949625	14.04	798686	15.51
02	PB166957BS	1070680	11.40	723159	14.05	587091	15.51

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

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB166957BL			SDG No.:	Q1447
Lab Sample ID:	PB166957BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF141825.D	1	03/03/25 13:15	03/04/25 14:15	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.8	U	82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	170	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	170	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	170	ug/Kg
105-60-2	Caprolactam	86.7	U	86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.0	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	170	ug/Kg

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB166957BL			SDG No.:	Q1447
Lab Sample ID:	PB166957BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF141825.D	1	03/03/25 13:15	03/04/25 14:15	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.4	U	86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	170	ug/Kg
83-32-9	Acenaphthene	81.0	U	81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	170	ug/Kg
84-66-2	Diethylphthalate	80.0	U	80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	170	ug/Kg
87-86-5	Pentachlorophenol	77.2	U	77.2	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	170	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.0	U	81.0	170	ug/Kg

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB166957BL			SDG No.:	Q1447
Lab Sample ID:	PB166957BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF141825.D	1	03/03/25 13:15	03/04/25 14:15	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	125		30 (18) - 130 (112)	83%	SPK: 150
13127-88-3	Phenol-d6	119		30 (15) - 130 (107)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (18) - 130 (107)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.8		30 (20) - 130 (109)	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		30 (10) - 130 (116)	95%	SPK: 150
1718-51-0	Terphenyl-d14	74.8		30 (10) - 130 (105)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	311000	6.887			
1146-65-2	Naphthalene-d8	1220000	8.163			
15067-26-2	Acenaphthene-d10	667000	9.916			
1517-22-2	Phenanthrene-d10	1170000	11.404			
1719-03-5	Chrysene-d12	950000	14.039			
1520-96-3	Perylene-d12	799000	15.509			
TENTATIVE IDENTIFIED COMPOUNDS						
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	130	J		17.1	ug/Kg

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB166957BL			SDG No.:	Q1447
Lab Sample ID:	PB166957BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF141825.D	1	03/03/25 13:15	03/04/25 14:15	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB166957BS	SDG No.:	Q1447
Lab Sample ID:	PB166957BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141826.D	1	03/03/25 13:15	03/04/25 14:44	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	830		180	330	ug/Kg
108-95-2	Phenol	1400		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1400		83.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	170	ug/Kg
78-59-1	Isophorone	1400		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.4	170	ug/Kg
91-20-3	Naphthalene	1300		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	500		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	170	ug/Kg
105-60-2	Caprolactam	1600		86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4700	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.6	170	ug/Kg

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB166957BS			SDG No.:	Q1447
Lab Sample ID:	PB166957BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF141826.D	1	03/03/25 13:15	03/04/25 14:44	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	950		89.1	170	ug/Kg
83-32-9	Acenaphthene	1500		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3800	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1300		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.1	170	ug/Kg
84-66-2	Diethylphthalate	1300		80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	170	ug/Kg
86-73-7	Fluorene	1400		85.4	170	ug/Kg
100-01-6	4-Nitroaniline	1800		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		84.9	170	ug/Kg
1912-24-9	Atrazine	1900		91.3	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	77.2	330	ug/Kg
85-01-8	Phenanthrene	1400		83.9	170	ug/Kg
120-12-7	Anthracene	1400		84.3	170	ug/Kg
86-74-8	Carbazole	1500		80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1300		84.2	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	170	ug/Kg
129-00-0	Pyrene	1400		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	900		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.6	170	ug/Kg
218-01-9	Chrysene	1400		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81.0	170	ug/Kg

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB166957BS			SDG No.:	Q1447
Lab Sample ID:	PB166957BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF141826.D	1	03/03/25 13:15	03/04/25 14:44	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.7	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	125		30 (18) - 130 (112)	84%	SPK: 150
13127-88-3	Phenol-d6	123		30 (15) - 130 (107)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		30 (18) - 130 (107)	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.1		30 (20) - 130 (109)	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		30 (10) - 130 (116)	98%	SPK: 150
1718-51-0	Terphenyl-d14	89.1		30 (10) - 130 (105)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	309000	6.887			
1146-65-2	Naphthalene-d8	1220000	8.169			
15067-26-2	Acenaphthene-d10	648000	9.922			
1517-22-2	Phenanthrene-d10	1070000	11.404			
1719-03-5	Chrysene-d12	723000	14.045			
1520-96-3	Perylene-d12	587000	15.509			

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

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Report of Analysis

Client:	G Environmental	Date Collected:	02/28/25
Project:	Nelson	Date Received:	02/28/25
Client Sample ID:	TR-04-02282025MS	SDG No.:	Q1447
Lab Sample ID:	Q1475-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141819.D	1	03/03/25 13:15	03/03/25 18:16	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	510		120	220	ug/Kg
108-95-2	Phenol	1000		54.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930		54.8	110	ug/Kg
95-57-8	2-Chlorophenol	950		54.7	110	ug/Kg
95-48-7	2-Methylphenol	970		52.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	940		59.5	110	ug/Kg
98-86-2	Acetophenone	1000		56.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	1000		52.2	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	910		26.4	52.4	ug/Kg
67-72-1	Hexachloroethane	930		54.3	110	ug/Kg
98-95-3	Nitrobenzene	1000		59.4	110	ug/Kg
78-59-1	Isophorone	940		55.4	110	ug/Kg
88-75-5	2-Nitrophenol	880		61.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		61.0	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	880		56.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	970		49.4	110	ug/Kg
91-20-3	Naphthalene	970		54.1	110	ug/Kg
106-47-8	4-Chloroaniline	360		54.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	870		54.5	110	ug/Kg
105-60-2	Caprolactam	1400		56.8	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		50.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	1000		54.0	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900	E	100	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	930		46.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		48.4	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		57.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	930		54.5	110	ug/Kg
88-74-4	2-Nitroaniline	1100		62.2	110	ug/Kg
131-11-3	Dimethylphthalate	930		53.5	110	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	02/28/25
Project:	Nelson	Date Received:	02/28/25
Client Sample ID:	TR-04-02282025MS	SDG No.:	Q1447
Lab Sample ID:	Q1475-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141819.D	1	03/03/25 13:15	03/03/25 18:16	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		56.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		54.5	110	ug/Kg
99-09-2	3-Nitroaniline	870		58.4	110	ug/Kg
83-32-9	Acenaphthene	1400		53.1	110	ug/Kg
51-28-5	2,4-Dinitrophenol	1900	E	160	220	ug/Kg
100-02-7	4-Nitrophenol	3000	E	75.9	220	ug/Kg
132-64-9	Dibenzofuran	1100		55.2	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		56.4	110	ug/Kg
84-66-2	Diethylphthalate	980		52.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	980		56.0	110	ug/Kg
86-73-7	Fluorene	1400		56.0	110	ug/Kg
100-01-6	4-Nitroaniline	1400		70.0	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	890		76.6	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	920		53.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	890		51.6	110	ug/Kg
118-74-1	Hexachlorobenzene	930		55.6	110	ug/Kg
1912-24-9	Atrazine	1300		59.8	110	ug/Kg
87-86-5	Pentachlorophenol	1900	E	50.6	220	ug/Kg
85-01-8	Phenanthrene	2800	E	55.0	110	ug/Kg
120-12-7	Anthracene	1700		55.2	110	ug/Kg
86-74-8	Carbazole	1400		52.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	990		55.2	110	ug/Kg
206-44-0	Fluoranthene	3200	E	53.5	110	ug/Kg
129-00-0	Pyrene	2600	E	54.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		63.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	570		64.5	220	ug/Kg
56-55-3	Benzo(a)anthracene	2400	E	52.8	110	ug/Kg
218-01-9	Chrysene	2000	E	52.0	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		59.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		72.0	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300	E	53.1	110	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	02/28/25
Project:	Nelson	Date Received:	02/28/25
Client Sample ID:	TR-04-02282025MS	SDG No.:	Q1447
Lab Sample ID:	Q1475-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141819.D	1	03/03/25 13:15	03/03/25 18:16	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1300		54.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	2100	E	60.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		51.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		53.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		52.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	950		56.8	110	ug/Kg
123-91-1	1,4-Dioxane	910		72.0	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		48.9	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	114		30 (18) - 130 (112)	76%	SPK: 150
13127-88-3	Phenol-d6	116		30 (15) - 130 (107)	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.1		30 (18) - 130 (107)	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		30 (10) - 130 (116)	89%	SPK: 150
1718-51-0	Terphenyl-d14	77.6		30 (10) - 130 (105)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	111000	6.887			
1146-65-2	Naphthalene-d8	467000	8.169			
15067-26-2	Acenaphthene-d10	293000	9.922			
1517-22-2	Phenanthrene-d10	568000	11.41			
1719-03-5	Chrysene-d12	382000	14.051			
1520-96-3	Perylene-d12	353000	15.527			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	02/28/25
Project:	Nelson	Date Received:	02/28/25
Client Sample ID:	TR-04-02282025MSD	SDG No.:	Q1447
Lab Sample ID:	Q1475-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141820.D	1	03/03/25 13:15	03/03/25 18:45	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	530		120	220	ug/Kg
108-95-2	Phenol	1000		54.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	960		54.7	110	ug/Kg
95-57-8	2-Chlorophenol	1000		54.6	110	ug/Kg
95-48-7	2-Methylphenol	1000		52.7	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	980		59.5	110	ug/Kg
98-86-2	Acetophenone	1000		56.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		52.2	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	940		26.4	52.3	ug/Kg
67-72-1	Hexachloroethane	960		54.3	110	ug/Kg
98-95-3	Nitrobenzene	1000		59.4	110	ug/Kg
78-59-1	Isophorone	970		55.3	110	ug/Kg
88-75-5	2-Nitrophenol	940		61.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		61.0	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	900		56.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		49.4	110	ug/Kg
91-20-3	Naphthalene	1000		54.0	110	ug/Kg
106-47-8	4-Chloroaniline	380		54.0	110	ug/Kg
87-68-3	Hexachlorobutadiene	910		54.5	110	ug/Kg
105-60-2	Caprolactam	1400		56.8	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		50.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	1000		54.0	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1600		100	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		46.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		48.4	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		57.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	970		54.5	110	ug/Kg
88-74-4	2-Nitroaniline	1100		62.1	110	ug/Kg
131-11-3	Dimethylphthalate	960		53.4	110	ug/Kg

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

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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
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BF141820.D	1	03/03/25 13:15	03/03/25 18:45	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		56.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		54.4	110	ug/Kg
99-09-2	3-Nitroaniline	890		58.3	110	ug/Kg
83-32-9	Acenaphthene	1400		53.0	110	ug/Kg
51-28-5	2,4-Dinitrophenol	1800	E	160	220	ug/Kg
100-02-7	4-Nitrophenol	3100	E	75.9	220	ug/Kg
132-64-9	Dibenzofuran	1100		55.2	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		56.4	110	ug/Kg
84-66-2	Diethylphthalate	990		52.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		56.0	110	ug/Kg
86-73-7	Fluorene	1400		55.9	110	ug/Kg
100-01-6	4-Nitroaniline	1400		70.0	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	900		76.5	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	980		53.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	940		51.6	110	ug/Kg
118-74-1	Hexachlorobenzene	960		55.6	110	ug/Kg
1912-24-9	Atrazine	1400		59.8	110	ug/Kg
87-86-5	Pentachlorophenol	2000	E	50.6	220	ug/Kg
85-01-8	Phenanthrene	2900	E	54.9	110	ug/Kg
120-12-7	Anthracene	1700		55.2	110	ug/Kg
86-74-8	Carbazole	1400		52.5	110	ug/Kg
84-74-2	Di-n-butylphthalate	1000		55.1	110	ug/Kg
206-44-0	Fluoranthene	3300	E	53.4	110	ug/Kg
129-00-0	Pyrene	2700	E	54.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		63.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	630		64.5	220	ug/Kg
56-55-3	Benzo(a)anthracene	2400	E	52.8	110	ug/Kg
218-01-9	Chrysene	2100	E	52.0	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		59.5	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		72.0	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300	E	53.0	110	ug/Kg

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Project:	Nelson	Date Received:	02/28/25
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Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
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File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141820.D	1	03/03/25 13:15	03/03/25 18:45	PB166957

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		54.0	110	ug/Kg
50-32-8	Benzo(a)pyrene	2100	E	60.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		51.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		53.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		52.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	980		56.8	110	ug/Kg
123-91-1	1,4-Dioxane	920		72.0	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		48.9	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	118		30 (18) - 130 (112)	79%	SPK: 150
13127-88-3	Phenol-d6	120		30 (15) - 130 (107)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.0		30 (18) - 130 (107)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.4		30 (20) - 130 (109)	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		30 (10) - 130 (116)	91%	SPK: 150
1718-51-0	Terphenyl-d14	81.9		30 (10) - 130 (105)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	111000	6.887			
1146-65-2	Naphthalene-d8	472000	8.169			
15067-26-2	Acenaphthene-d10	295000	9.928			
1517-22-2	Phenanthrene-d10	545000	11.41			
1719-03-5	Chrysene-d12	364000	14.057			
1520-96-3	Perylene-d12	326000	15.527			

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

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Feb 28 01:48:16 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141793.D 5 =BF141794.D 10 =BF141795.D 20 =BF141796.D 40 =BF141797.D 50 =BF141798.D 60 =BF141799.D 80 =BF1418
00.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.613	0.554	0.576	0.596	0.545	0.554	0.541	0.568	4.81
3)		Pyridine		1.403	1.412	1.486	1.476	1.380	1.389	1.350	1.414	3.54
4)		n-Nitrosodimet...		0.634	0.666	0.689	0.730	0.674	0.686	0.683	0.680	4.21
5)	S	2-Fluorophenol		1.348	1.315	1.326	1.286	1.185	1.176	1.131	1.252	6.91
6)		Aniline		1.746	1.727	1.805	1.809	1.642	1.625	1.509	1.695	6.42
7)	S	Phenol-d6		1.750	1.707	1.728	1.684	1.541	1.523	1.477	1.630	6.90
8)		2-Chlorophenol		1.442	1.406	1.439	1.412	1.299	1.266	1.220	1.355	6.72
9)		Benzaldehyde		1.151	1.088	1.024	0.982	0.874	0.824	0.694	0.948	16.84
10)	C	Phenol		1.854	1.823	1.866	1.819	1.641	1.625	1.564	1.742	7.26
11)		bis(2-Chloroet...		1.377	1.376	1.392	1.339	1.279	1.265	1.265	1.328	4.26
12)		1,3-Dichlorobe...		1.544	1.520	1.541	1.504	1.378	1.361	1.308	1.451	6.80
13)	C	1,4-Dichlorobe...		1.554	1.533	1.549	1.512	1.390	1.377	1.317	1.462	6.66
14)		1,2-Dichlorobe...		1.493	1.444	1.476	1.401	1.286	1.270	1.186	1.365	8.63
15)		Benzyl Alcohol		1.347	1.353	1.374	1.366	1.258	1.241	1.180	1.303	5.82
16)		2,2'-oxybis(1-...		2.139	2.094	2.149	2.079	1.930	1.910	1.814	2.016	6.47
17)		2-Methylphenol		1.155	1.132	1.165	1.164	1.079	1.084	1.049	1.118	4.22
18)		Hexachloroethane		0.559	0.542	0.575	0.578	0.533	0.530	0.513	0.547	4.39
19)	P	n-Nitroso-di-n...	1.133	1.136	1.105	1.120	1.087	1.009	1.007	0.975	1.072	6.01
20)		3+4-Methylphenols		1.507	1.510	1.506	1.442	1.304	1.281	1.198	1.392	9.29
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.539	0.517	0.512	0.497	0.456	0.455	0.434	0.487	8.04
23)	S	Nitrobenzene-d5		0.248	0.271	0.318	0.341	0.332	0.340	0.339	0.313	12.10
24)		Nitrobenzene		0.273	0.303	0.346	0.363	0.349	0.357	0.354	0.335	10.07
25)		Isophorone		0.702	0.682	0.690	0.682	0.642	0.659	0.649	0.672	3.35
26)	C	2-Nitrophenol		0.079	0.090	0.116	0.144	0.145	0.155	0.158	0.127	25.21
27)		2,4-Dimethylph...		0.258	0.250	0.256	0.254	0.238	0.238	0.236	0.247	3.87
28)		bis(2-Chloroet...		0.463	0.448	0.450	0.435	0.404	0.408	0.394	0.429	6.19
29)	C	2,4-Dichloroph...		0.280	0.288	0.296	0.298	0.277	0.281	0.275	0.285	3.20
30)		1,2,4-Trichlor...		0.328	0.321	0.327	0.319	0.298	0.301	0.292	0.312	4.71
31)		Naphthalene		1.140	1.097	1.100	1.043	0.960	0.950	0.906	1.028	8.74
32)		Benzoic acid			0.099	0.145	0.191	0.200	0.215	0.226	0.179	26.89
33)		4-Chloroaniline		0.402	0.392	0.398	0.379	0.350	0.356	0.360	0.377	5.66
34)	C	Hexachlorobuta...		0.199	0.193	0.202	0.199	0.188	0.191	0.187	0.194	2.98
35)		Caprolactam		0.087	0.086	0.090	0.091	0.085	0.089	0.086	0.088	2.77
36)	C	4-Chloro-3-met...		0.333	0.316	0.329	0.326	0.300	0.310	0.303	0.317	4.16
37)		2-Methylnaphth...		0.762	0.725	0.723	0.677	0.621	0.619	0.591	0.674	9.66
38)		1-Methylnaphth...		0.734	0.688	0.697	0.652	0.594	0.594	0.570	0.647	9.67

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022725.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.609	0.600	0.602	0.589	0.549	0.553	0.540	0.578	5.03
41)	P	Hexachlorocycl...	0.217	0.230	0.252	0.258	0.246	0.247	0.236	0.241	5.87
42)	S	2,4,6-Tribromo...	0.175	0.179	0.188	0.199	0.183	0.196	0.194	0.188	4.80
43)	C	2,4,6-Trichlor...	0.355	0.368	0.381	0.398	0.366	0.368	0.377	0.373	3.65
44)		2,4,5-Trichlor...	0.348	0.364	0.388	0.383	0.364	0.380	0.360	0.369	3.89
45)	S	2-Fluorobiphenyl	1.443	1.387	1.346	1.237	1.128	1.141	1.049	1.247	11.93
46)		1,1'-Biphenyl	1.694	1.659	1.630	1.519	1.413	1.419	1.323	1.522	9.38
47)		2-Chloronaphth...	1.211	1.184	1.201	1.135	1.058	1.071	1.006	1.124	7.10
48)		2-Nitroaniline	0.152	0.187	0.246	0.300	0.297	0.319	0.323	0.260	26.00
49)		Acenaphthylene	1.847	1.809	1.798	1.711	1.560	1.596	1.472	1.685	8.54
50)		Dimethylphthalate	1.431	1.405	1.405	1.363	1.262	1.285	1.224	1.339	6.09
51)		2,6-Dinitrotol...	0.136	0.184	0.231	0.257	0.251	0.265	0.261	0.226	21.50
52)	C	Acenaphthene	1.217	1.201	1.197	1.150	1.068	1.084	1.039	1.137	6.37
53)		3-Nitroaniline	0.146	0.193	0.243	0.277	0.264	0.282	0.280	0.241	21.68
54)	P	2,4-Dinitrophenol		0.049	0.066	0.093	0.096	0.112	0.116	0.089	29.73
55)		Dibenzofuran	1.850	1.794	1.765	1.663	1.532	1.542	1.436	1.654	9.40
56)	P	4-Nitrophenol	0.129	0.159	0.197	0.228	0.215	0.229	0.227	0.198	19.87
57)		2,4-Dinitrotol...	0.151	0.198	0.265	0.313	0.310	0.325	0.320	0.269	25.57
58)		Fluorene	1.433	1.367	1.313	1.228	1.128	1.134	1.072	1.239	10.97
59)		2,3,4,6-Tetrac...	0.313	0.314	0.336	0.339	0.309	0.322	0.315	0.321	3.66
60)		Diethylphthalate	1.429	1.413	1.428	1.383	1.259	1.275	1.212	1.343	6.78
61)		4-Chlorophenyl...	0.691	0.665	0.654	0.620	0.572	0.583	0.562	0.621	8.09
62)		4-Nitroaniline	0.149	0.187	0.229	0.267	0.248	0.265	0.256	0.229	19.54
63)		Azobenzene	1.544	1.503	1.505	1.437	1.320	1.325	1.262	1.414	7.81
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.043	0.063	0.087	0.090	0.100	0.103	0.081	28.86
66)	c	n-Nitrosodiphe...	0.702	0.681	0.689	0.665	0.631	0.623	0.607	0.657	5.56
67)		4-Bromophenyl-...	0.241	0.237	0.239	0.238	0.227	0.230	0.224	0.234	2.86
68)		Hexachlorobenzene	0.253	0.249	0.255	0.251	0.240	0.242	0.237	0.247	2.79
69)		Atrazine	0.213	0.208	0.196	0.179	0.149	0.139		0.181	17.11
70)	C	Pentachlorophenol	0.137	0.146	0.161	0.169	0.159	0.164	0.160	0.156	7.07
71)		Phenanthrene	1.186	1.152	1.134	1.073	1.001	1.001	0.940	1.070	8.58
72)		Anthracene	1.203	1.156	1.155	1.068	1.002	0.990	0.931	1.072	9.54
73)		Carbazole	1.074	1.010	1.014	0.955	0.882	0.871	0.821	0.947	9.69
74)		Di-n-butylphth...	1.335	1.291	1.291	1.208	1.128	1.114	1.035	1.200	9.30
75)	C	Fluoranthene	1.285	1.216	1.192	1.089	0.992	0.981	0.917	1.096	12.66
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.342	0.198	0.259	0.214	0.181	0.316	0.252	26.09
78)		Pyrene	1.698	1.687	1.815	1.796	1.738	1.734	1.656	1.732	3.32
79)	S	Terphenyl-d14	1.250	1.233	1.297	1.259	1.230	1.227	1.157	1.236	3.43
80)		Butylbenzylpht...	0.546	0.579	0.643	0.668	0.650	0.667	0.652	0.629	7.54
81)		Benzo(a)anthra...	1.367	1.387	1.384	1.312	1.244	1.262	1.292	1.321	4.46
82)		3,3'-Dichlorob...	0.406	0.380	0.382	0.393	0.364	0.364	0.365	0.379	4.27
83)		Chrysene	1.303	1.184	1.235	1.265	1.185	1.209	1.144	1.218	4.42
84)		Bis(2-ethylhex...	0.702	0.696	0.788	0.832	0.811	0.828	0.827	0.783	7.59
85)	c	Di-n-octyl pht...	0.903	0.922	1.109	1.307	1.304	1.318	1.348	1.173	16.59

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022725.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.097	1.126	1.240	1.346	1.337	1.371	1.397	1.274	9.52
88)		Benzo(b)fluora...	1.442	1.396	1.533	1.306	1.232	1.370	1.256	1.362	7.81
89)		Benzo(k)fluora...	1.274	1.240	1.098	1.214	1.165	1.040	1.074	1.158	7.70
90)	C	Benzo(a)pyrene	1.113	1.083	1.133	1.119	1.060	1.080	1.060	1.093	2.68
91)		Dibenzo(a,h)an...	0.902	0.931	1.025	1.109	1.094	1.101	1.115	1.040	8.63
92)		Benzo(g,h,i)pe...	0.898	0.929	1.034	1.130	1.129	1.156	1.179	1.065	10.60

(#) = Out of Range

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA_F Calibration Date/Time: 03/03/2025 14:16

Lab File ID: BF141811.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.252	1.206		-3.7	
Benzaldehyde	0.948	0.816		-13.9	
Phenol-d6	1.630	1.561		-4.2	
Phenol	1.742	1.675		-3.8	20.0
bis(2-Chloroethyl)ether	1.328	1.295		-2.5	
2-Chlorophenol	1.355	1.309		-3.4	
2-Methylphenol	1.118	1.084		-3.0	
2,2-oxybis(1-Chloropropane)	2.016	1.972		-2.2	
Acetophenone	0.487	0.481		-1.2	
3+4-Methylphenols	1.392	1.327		-4.7	
n-Nitroso-di-n-propylamine	1.072	1.002	0.050	-6.5	
Nitrobenzene-d5	0.313	0.341		8.9	
Hexachloroethane	0.547	0.527		-3.7	
Nitrobenzene	0.335	0.356		6.3	
Isophorone	0.672	0.654		-2.7	
2-Nitrophenol	0.127	0.137		7.9	20.0
2,4-Dimethylphenol	0.247	0.244		-1.2	
bis(2-Chloroethoxy)methane	0.429	0.420		-2.1	
2,4-Dichlorophenol	0.285	0.286		0.4	20.0
Naphthalene	1.028	1.010		-1.8	
4-Chloroaniline	0.377	0.368		-2.4	
Hexachlorobutadiene	0.194	0.194		0.0	20.0
Caprolactam	0.088	0.088		0.0	
4-Chloro-3-methylphenol	0.317	0.311		-1.9	20.0
2-Methylnaphthalene	0.674	0.657		-2.5	
Hexachlorocyclopentadiene	0.241	0.235	0.050	-2.5	
2,4,6-Trichlorophenol	0.373	0.367		-1.6	20.0
2-Fluorobiphenyl	1.247	1.214		-2.6	
2,4,5-Trichlorophenol	0.369	0.391		6.0	
1,1-Biphenyl	1.522	1.522		0.0	
2-Chloronaphthalene	1.124	1.134		0.9	
2-Nitroaniline	0.260	0.310		19.2	
Dimethylphthalate	1.339	1.335		-0.3	
Acenaphthylene	1.685	1.682		-0.2	
2,6-Dinitrotoluene	0.226	0.259		14.6	
3-Nitroaniline	0.241	0.276		14.5	
Acenaphthene	1.137	1.136		-0.1	20.0
2,4-Dinitrophenol	0.089	0.096	0.050	7.9	
4-Nitrophenol	0.198	0.219	0.050	10.6	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA_F Calibration Date/Time: 03/03/2025 14:16

Lab File ID: BF141811.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.654	1.635		-1.1	
2,4-Dinitrotoluene	0.269	0.324		20.4	
Diethylphthalate	1.343	1.344		0.1	
4-Chlorophenyl-phenylether	0.621	0.606		-2.4	
Fluorene	1.239	1.208		-2.5	
4-Nitroaniline	0.229	0.271		18.3	
4,6-Dinitro-2-methylphenol	0.081	0.087		7.4	
n-Nitrosodiphenylamine	0.657	0.650		-1.1	20.0
2,4,6-Tribromophenol	0.188	0.187		-0.5	
4-Bromophenyl-phenylether	0.234	0.236		0.9	
Hexachlorobenzene	0.247	0.249		0.8	
Atrazine	0.181	0.169		-6.6	
Pentachlorophenol	0.156	0.160		2.6	20.0
Phenanthrene	1.070	1.067		-0.3	
Anthracene	1.072	1.051		-2.0	
Carbazole	0.947	0.935		-1.3	
Di-n-butylphthalate	1.200	1.195		-0.4	
Fluoranthene	1.096	1.069		-2.5	20.0
Pyrene	1.732	1.812		4.6	
Terphenyl-d14	1.236	1.265		2.3	
Butylbenzylphthalate	0.629	0.673		7.0	
3,3-Dichlorobenzidine	0.379	0.383		1.1	
Benzo(a)anthracene	1.321	1.300		-1.6	
Chrysene	1.218	1.182		-3.0	
Bis(2-ethylhexyl)phthalate	0.783	0.875		11.8	
Di-n-octyl phthalate	1.173	1.201		2.4	20.0
Benzo(b)fluoranthene	1.362	1.429		4.9	
Benzo(k)fluoranthene	1.158	1.071		-7.5	
Benzo(a)pyrene	1.093	1.088		-0.5	20.0
Indeno(1,2,3-cd)pyrene	1.274	1.319		3.5	
Dibenzo(a,h)anthracene	1.040	1.095		5.3	
Benzo(g,h,i)perylene	1.065	1.113		4.5	
1,2,4,5-Tetrachlorobenzene	0.578	0.577		-0.2	
1,4-Dioxane	0.568	0.571		0.5	20.0
2,3,4,6-Tetrachlorophenol	0.321	0.333		3.7	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA_F Calibration Date/Time: 03/04/2025 13:46

Lab File ID: BF141824.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.252	1.221		-2.5	
Benzaldehyde	0.948	0.831		-12.3	
Phenol-d6	1.630	1.591		-2.4	
Phenol	1.742	1.710		-1.8	20.0
bis(2-Chloroethyl)ether	1.328	1.285		-3.2	
2-Chlorophenol	1.355	1.314		-3.0	
2-Methylphenol	1.118	1.076		-3.8	
2,2-oxybis(1-Chloropropane)	2.016	1.940		-3.8	
Acetophenone	0.487	0.474		-2.7	
3+4-Methylphenols	1.392	1.342		-3.6	
n-Nitroso-di-n-propylamine	1.072	0.974	0.050	-9.1	
Nitrobenzene-d5	0.313	0.336		7.3	
Hexachloroethane	0.547	0.520		-4.9	
Nitrobenzene	0.335	0.358		6.9	
Isophorone	0.672	0.647		-3.7	
2-Nitrophenol	0.127	0.146		15.0	20.0
2,4-Dimethylphenol	0.247	0.245		-0.8	
bis(2-Chloroethoxy)methane	0.429	0.409		-4.7	
2,4-Dichlorophenol	0.285	0.290		1.8	20.0
Naphthalene	1.028	1.011		-1.7	
4-Chloroaniline	0.377	0.377		0.0	
Hexachlorobutadiene	0.194	0.192		-1.0	20.0
Caprolactam	0.088	0.090		2.3	
4-Chloro-3-methylphenol	0.317	0.314		-0.9	20.0
2-Methylnaphthalene	0.674	0.658		-2.4	
Hexachlorocyclopentadiene	0.241	0.239	0.050	-0.8	
2,4,6-Trichlorophenol	0.373	0.382		2.4	20.0
2-Fluorobiphenyl	1.247	1.217		-2.4	
2,4,5-Trichlorophenol	0.369	0.396		7.3	
1,1-Biphenyl	1.522	1.521		-0.1	
2-Chloronaphthalene	1.124	1.138		1.2	
2-Nitroaniline	0.260	0.319		22.7	
Dimethylphthalate	1.339	1.303		-2.7	
Acenaphthylene	1.685	1.691		0.4	
2,6-Dinitrotoluene	0.226	0.260		15.0	
3-Nitroaniline	0.241	0.289		19.9	
Acenaphthene	1.137	1.153		1.4	20.0
2,4-Dinitrophenol	0.089	0.111	0.050	24.7	
4-Nitrophenol	0.198	0.240	0.050	21.2	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA_F Calibration Date/Time: 03/04/2025 13:46

Lab File ID: BF141824.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.654	1.637		-1.0	
2,4-Dinitrotoluene	0.269	0.334		24.2	
Diethylphthalate	1.343	1.286		-4.2	
4-Chlorophenyl-phenylether	0.621	0.601		-3.2	
Fluorene	1.239	1.211		-2.3	
4-Nitroaniline	0.229	0.286		24.9	
4,6-Dinitro-2-methylphenol	0.081	0.100		23.5	
n-Nitrosodiphenylamine	0.657	0.644		-2.0	20.0
2,4,6-Tribromophenol	0.188	0.192		2.1	
4-Bromophenyl-phenylether	0.234	0.229		-2.1	
Hexachlorobenzene	0.247	0.245		-0.8	
Atrazine	0.181	0.161		-11.1	
Pentachlorophenol	0.156	0.169		8.3	20.0
Phenanthrene	1.070	1.064		-0.6	
Anthracene	1.072	1.071		-0.1	
Carbazole	0.947	0.963		1.7	
Di-n-butylphthalate	1.200	1.143		-4.8	
Fluoranthene	1.096	1.122		2.4	20.0
Pyrene	1.732	1.684		-2.8	
Terphenyl-d14	1.236	1.154		-6.6	
Butylbenzylphthalate	0.629	0.640		1.7	
3,3-Dichlorobenzidine	0.379	0.388		2.4	
Benzo(a)anthracene	1.321	1.276		-3.4	
Chrysene	1.218	1.216		-0.2	
Bis(2-ethylhexyl)phthalate	0.783	0.827		5.6	
Di-n-octyl phthalate	1.173	1.150		-2.0	20.0
Benzo(b)fluoranthene	1.362	1.370		0.6	
Benzo(k)fluoranthene	1.158	1.129		-2.5	
Benzo(a)pyrene	1.093	1.085		-0.7	20.0
Indeno(1,2,3-cd)pyrene	1.274	1.274		0.0	
Dibenzo(a,h)anthracene	1.040	1.034		-0.6	
Benzo(g,h,i)perylene	1.065	1.077		1.1	
1,2,4,5-Tetrachlorobenzene	0.578	0.579		0.2	
1,4-Dioxane	0.568	0.566		-0.4	20.0
2,3,4,6-Tetrachlorophenol	0.321	0.334		4.1	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Quant Time: Mar 04 00:14:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

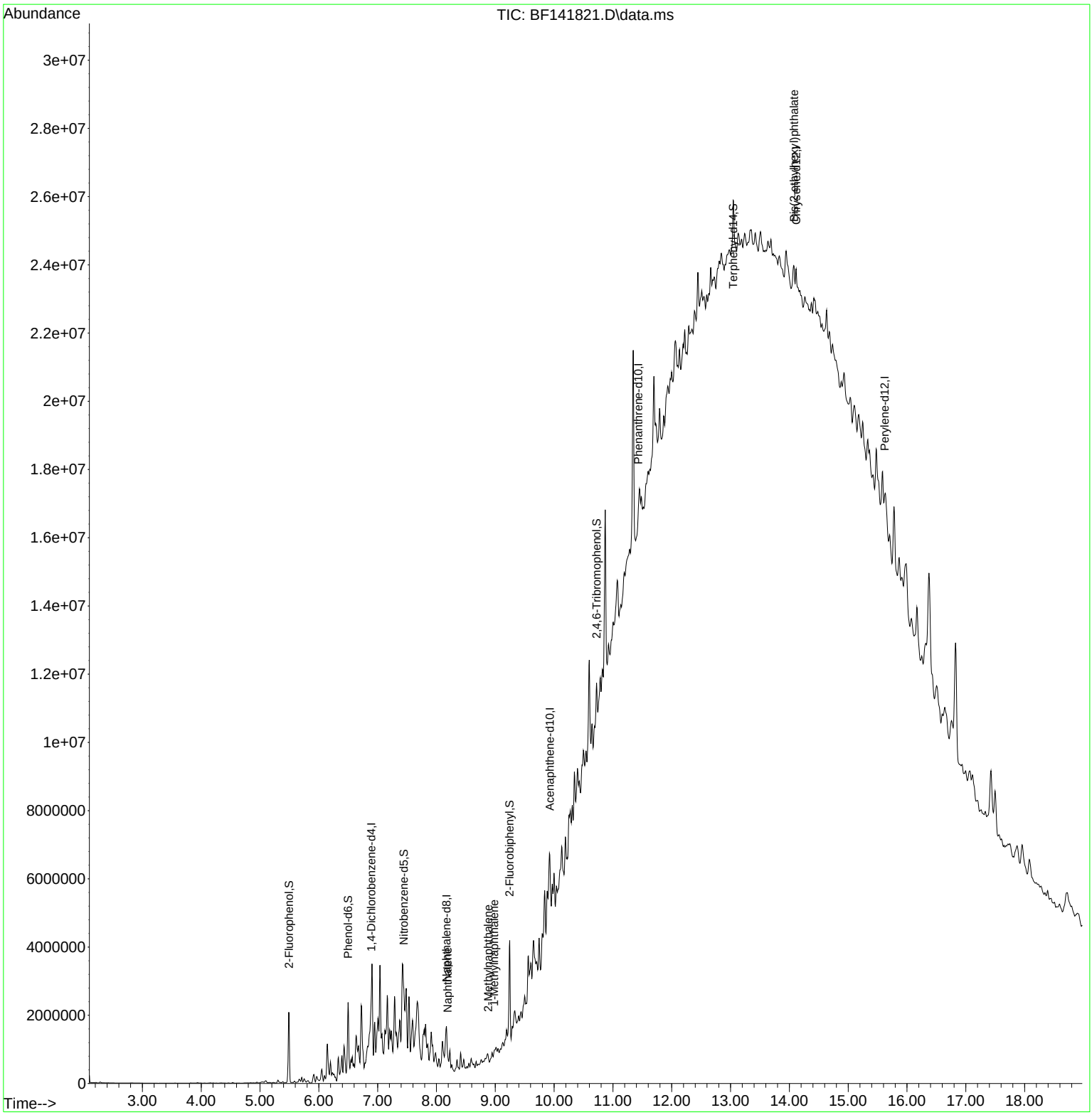
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	144444	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	617193	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	349015	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	458368	20.000	ng	# 0.02
76) Chrysene-d12	14.116	240	417353	20.000	ng	# 0.06
86) Perylene-d12	15.621	264	463776	20.000	ng	# 0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	778990	86.126	ng	0.00
7) Phenol-d6	6.498	99	996271	84.626	ng	-0.01
23) Nitrobenzene-d5	7.445	82	683578	70.795	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	298206	91.010	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1344216	61.756	ng	0.00
79) Terphenyl-d14	13.045	244	1283933	49.773	ng	0.05
Target Compounds						Qvalue
31) Naphthalene	8.192	128	83504	2.632	ng	# 85
37) 2-Methylnaphthalene	8.881	142	48766	2.344	ng	100
38) 1-Methylnaphthalene	8.981	142	41921	2.100	ng	98
84) Bis(2-ethylhexyl)phtha...	14.080	149	652409	39.904	ng	# 82

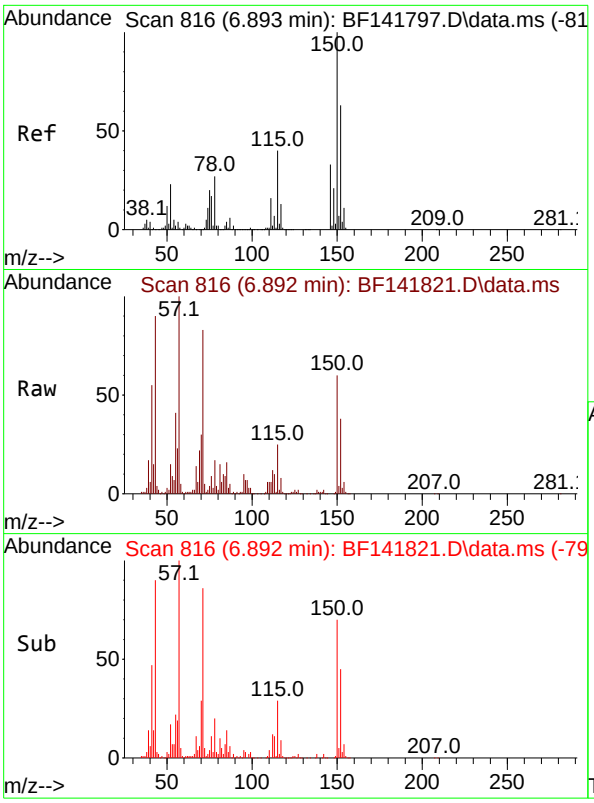
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Quant Time: Mar 04 00:14:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



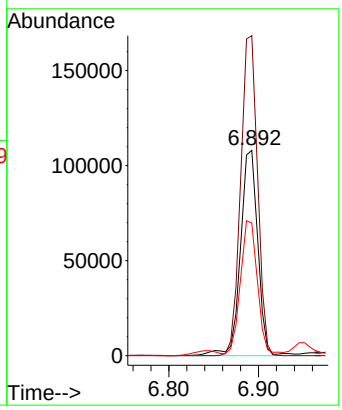


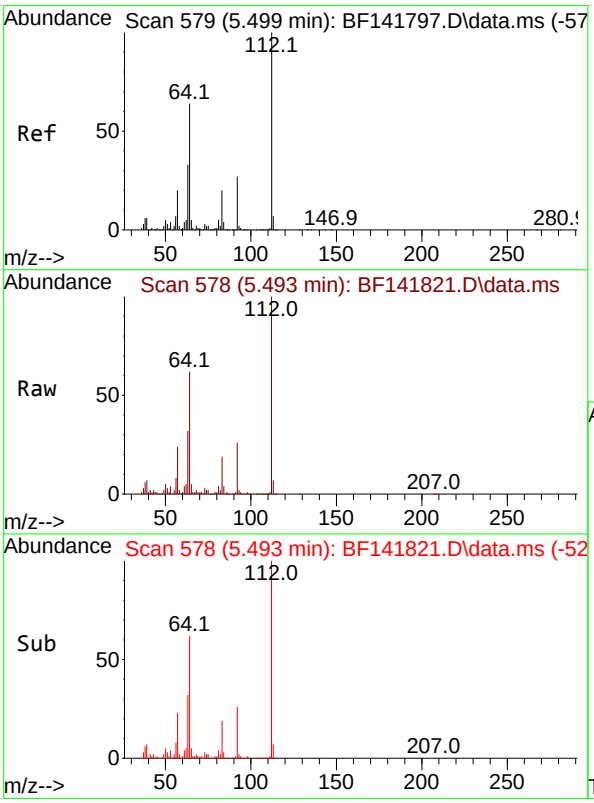
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:152 Resp: 144444

Ion	Ratio	Lower	Upper
152	100		
150	155.9	127.5	191.3
115	64.6	51.4	77.2

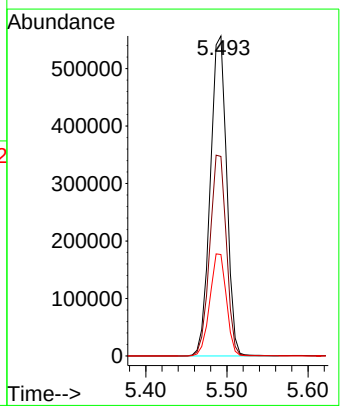


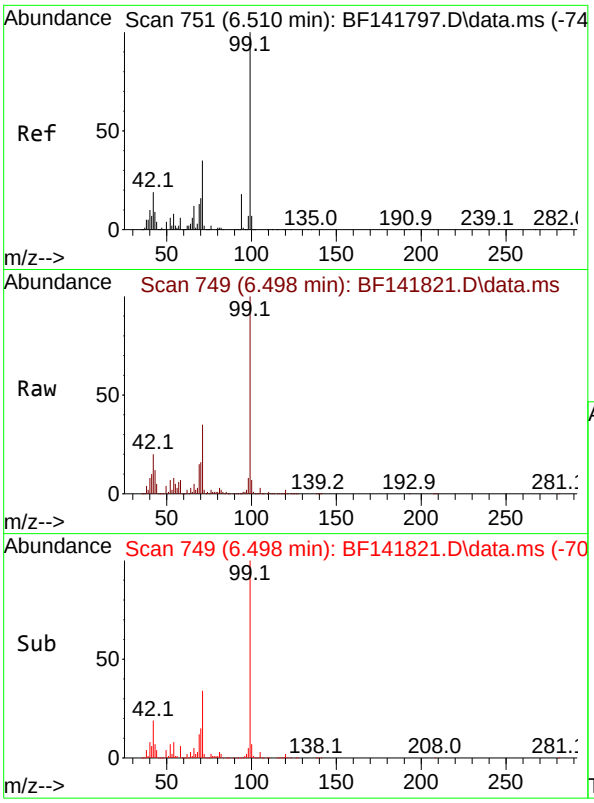


#5
2-Fluorophenol
Concen: 86.126 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:112 Resp: 778990

Ion	Ratio	Lower	Upper
112	100		
64	62.3	51.3	76.9
63	31.7	26.2	39.4



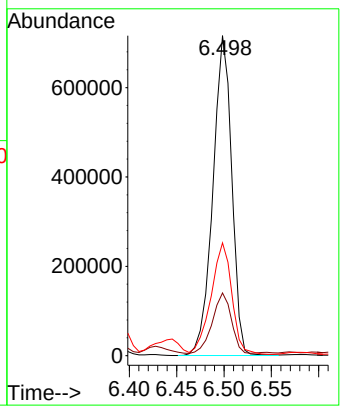


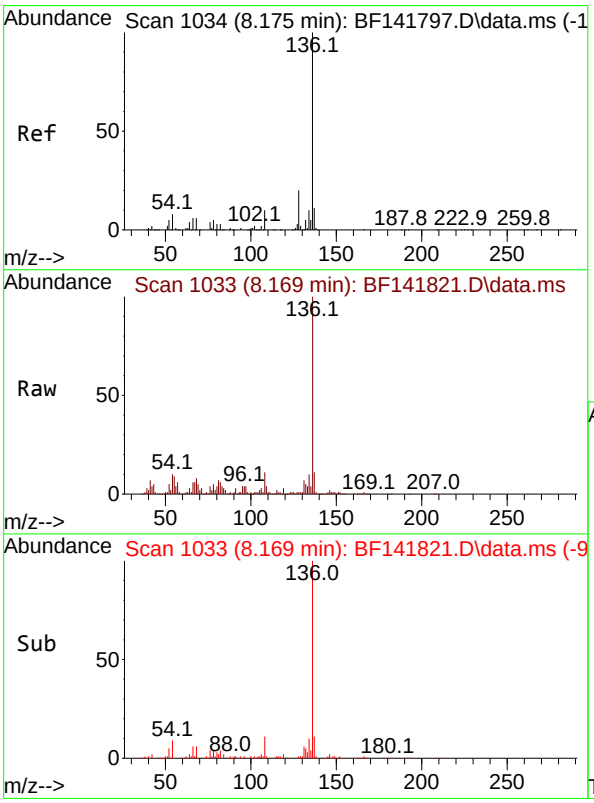
#7
Phenol-d6
Concen: 84.626 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion: 99 Resp: 996271

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.2	22.8
71	35.2	28.2	42.2

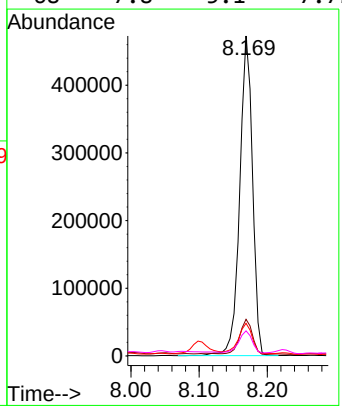


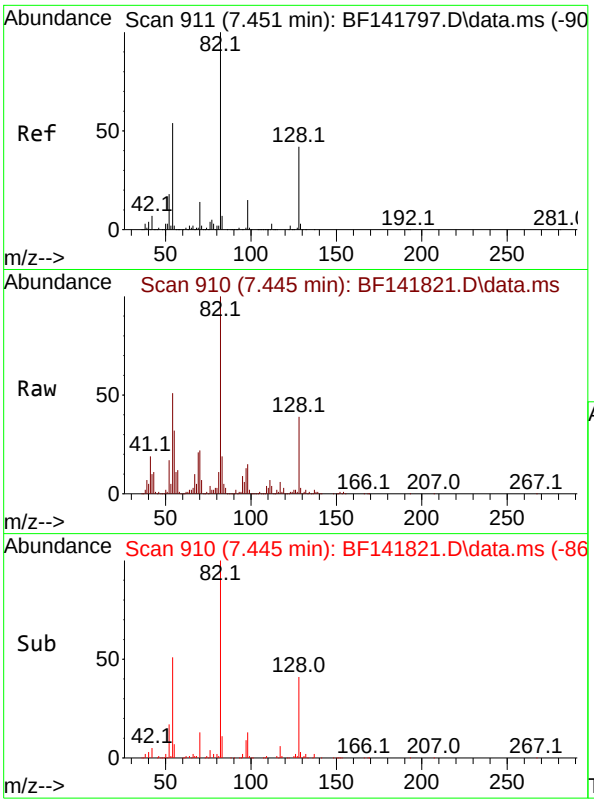


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:136 Resp: 617193

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.2	6.9	10.3
68	7.8	5.1	7.7#



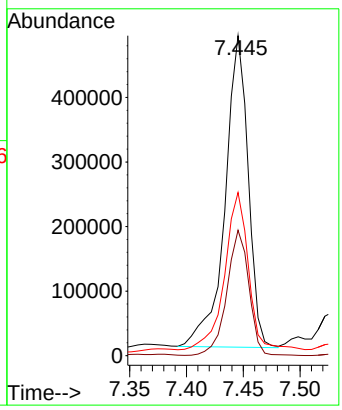


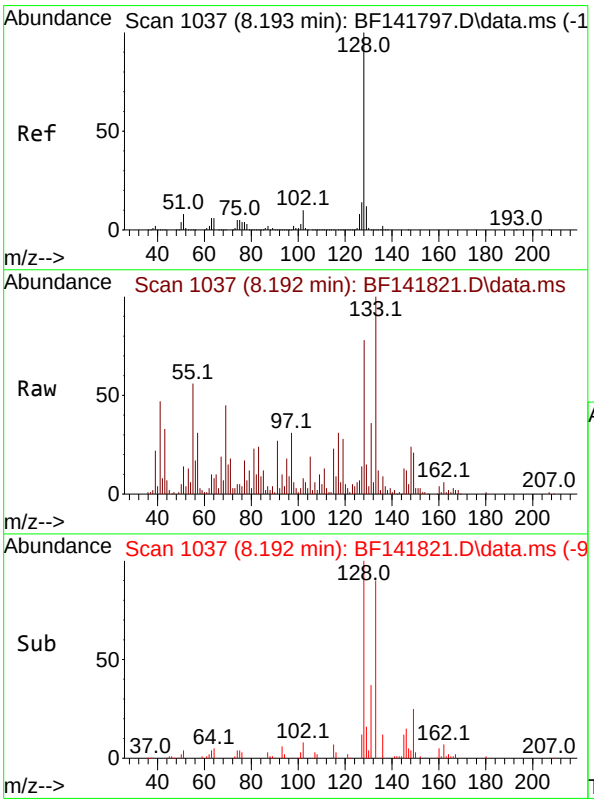
#23
Nitrobenzene-d5
Concen: 70.795 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion: 82 Resp: 683578

Ion	Ratio	Lower	Upper
82	100		
128	39.2	33.5	50.3
54	51.0	42.7	64.1

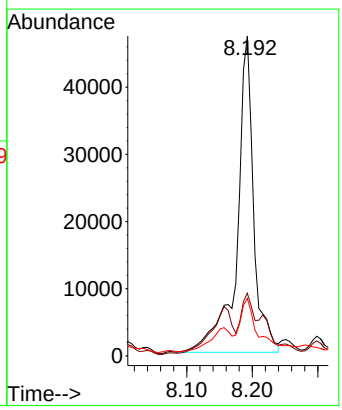


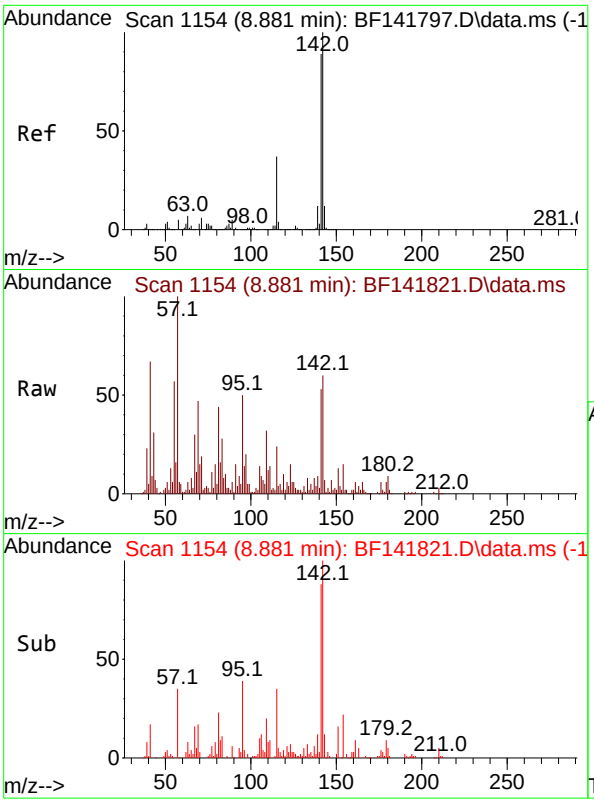


#31
Naphthalene
Concen: 2.632 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:128 Resp: 83504

Ion	Ratio	Lower	Upper
128	100		
129	19.6	9.2	13.8#
127	18.0	11.0	16.4#



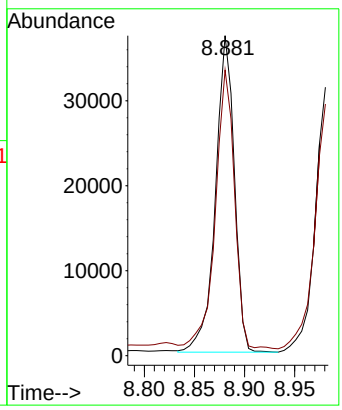


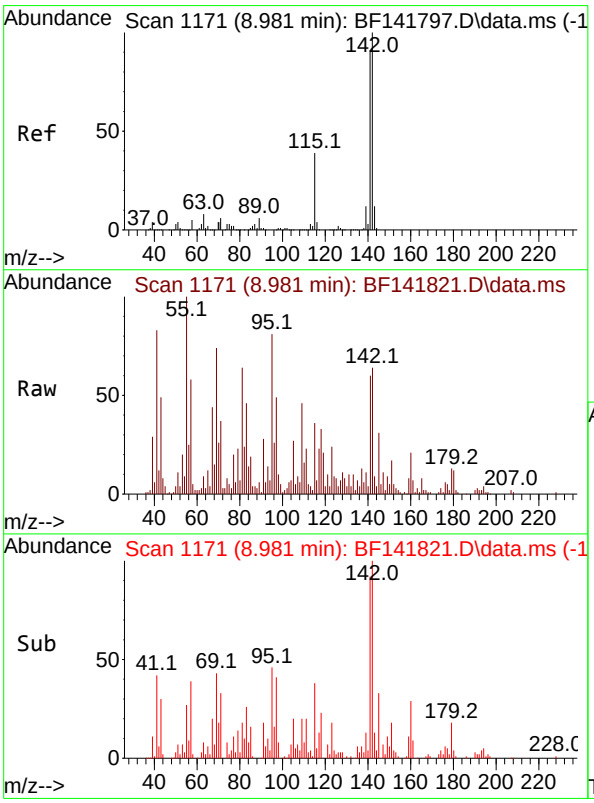
#37
2-Methylnaphthalene
Concen: 2.344 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:142 Resp: 48766

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.1	106.7

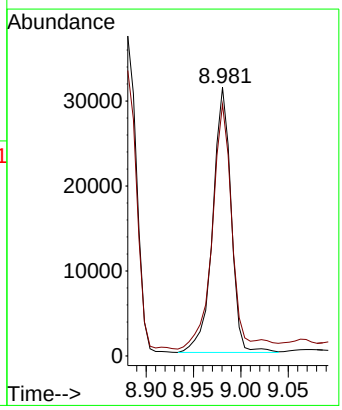


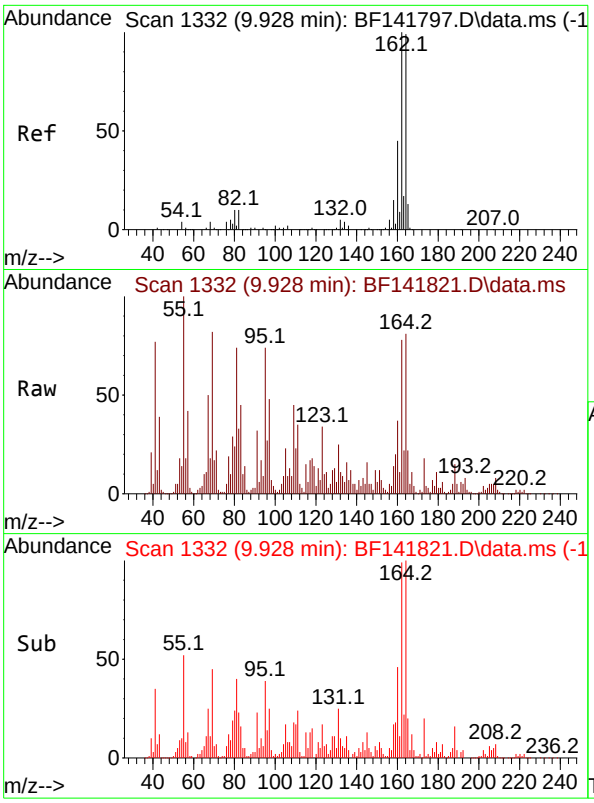


#38
1-Methylnaphthalene
Concen: 2.100 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:142 Resp: 41921

Ion	Ratio	Lower	Upper
142	100		
141	93.7	73.1	109.7



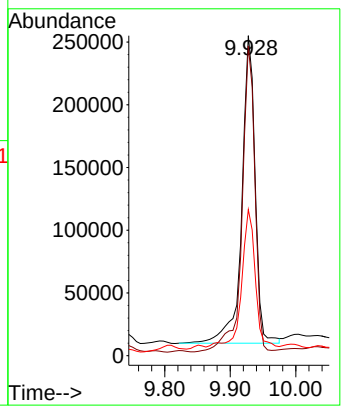


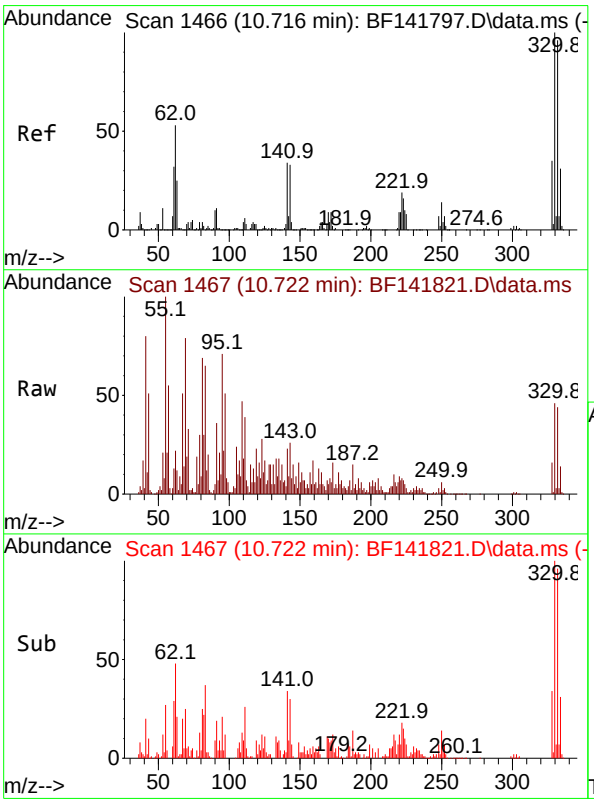
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:164 Resp: 349015

Ion	Ratio	Lower	Upper
164	100		
162	96.8	80.6	120.8
160	45.6	36.3	54.5

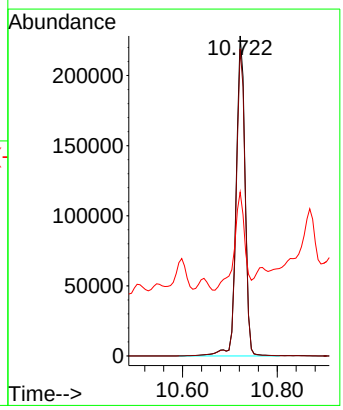


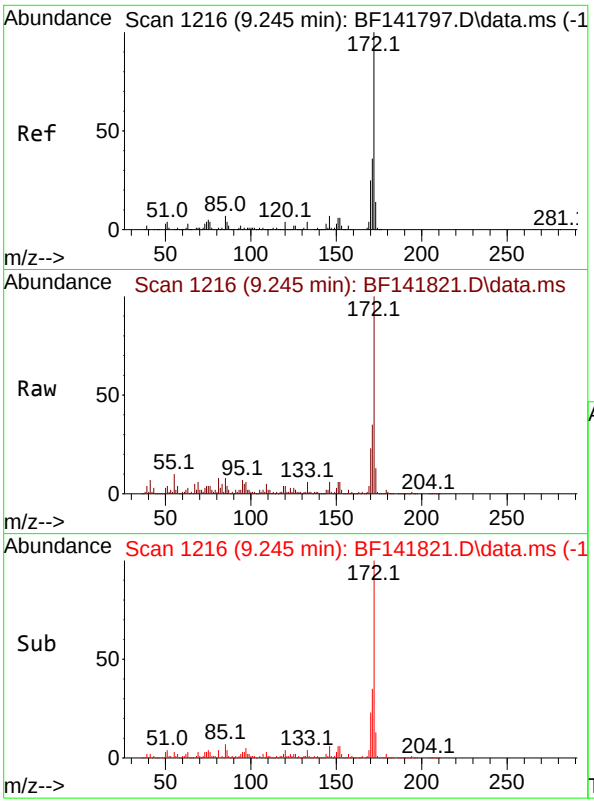


#42
2,4,6-Tribromophenol
Concen: 91.010 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:330 Resp: 298206

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	36.1	29.0	43.4



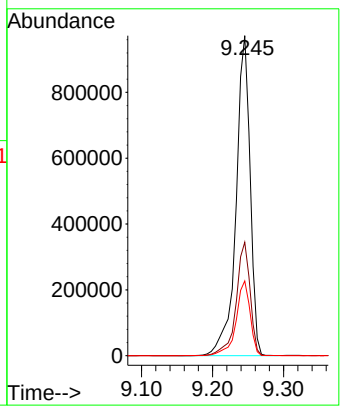


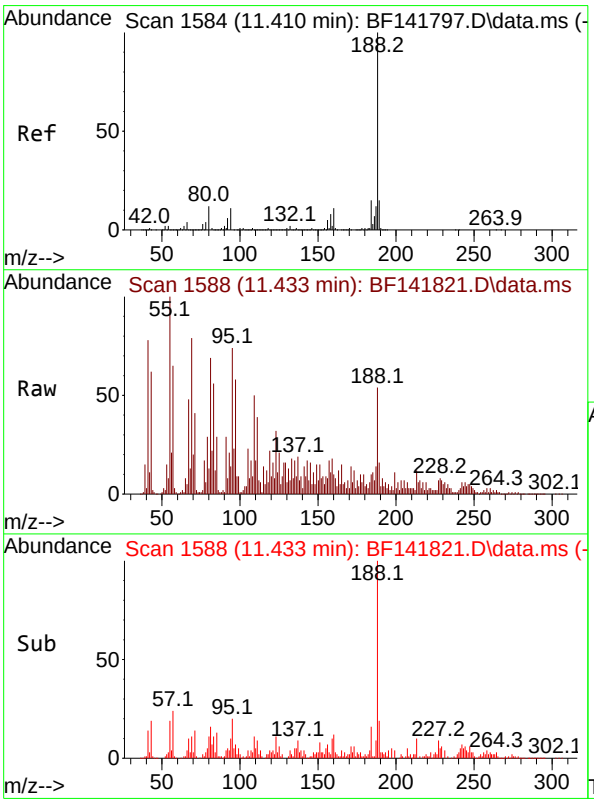
#45
2-Fluorobiphenyl
Concen: 61.756 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:172 Resp: 1344216

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.2	43.8
170	23.4	19.7	29.5

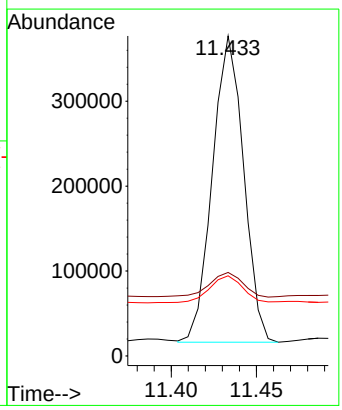


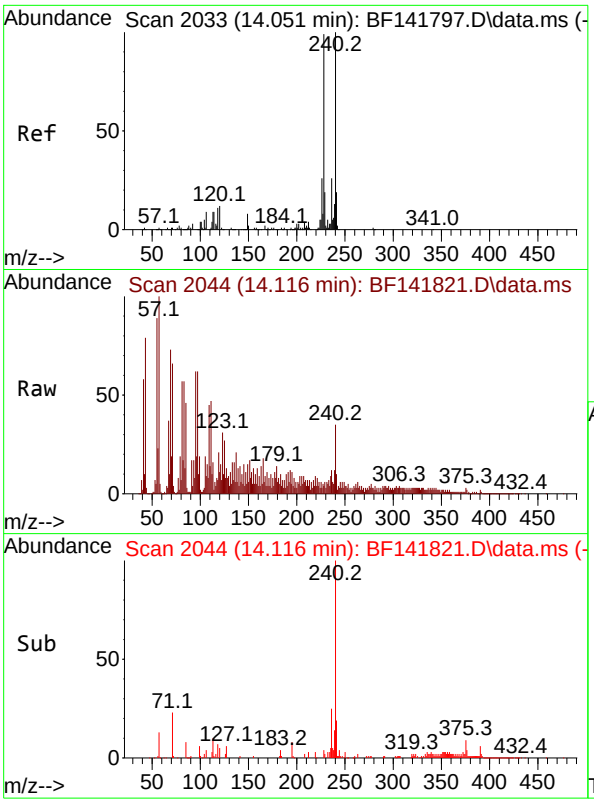


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1588
Delta R.T. 0.023 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:188 Resp: 458368

Ion	Ratio	Lower	Upper
188	100		
94	26.1	8.9	13.3#
80	25.0	9.7	14.5#



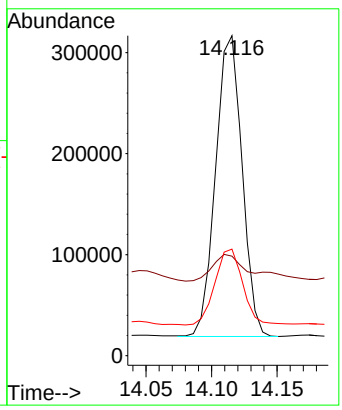


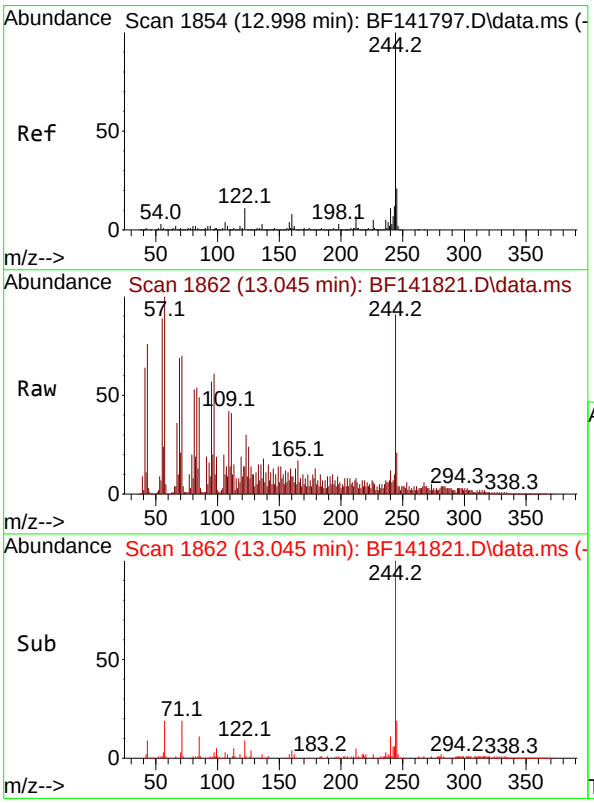
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.065 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:240 Resp: 417353

Ion	Ratio	Lower	Upper
240	100		
120	31.1	9.7	14.5#
236	33.3	21.0	31.4#

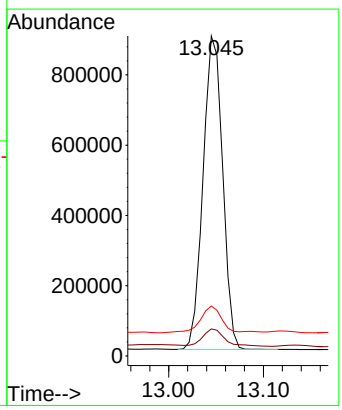


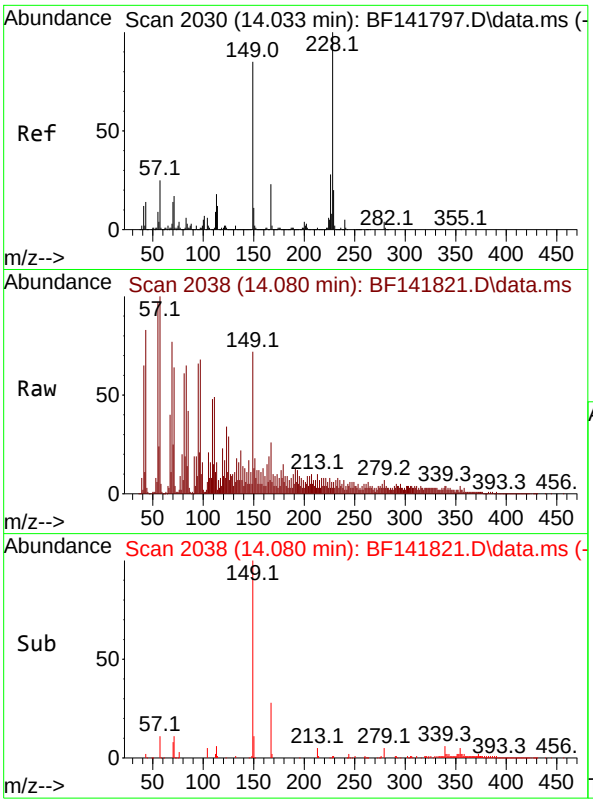


#79
Terphenyl-d14
Concen: 49.773 ng
RT: 13.045 min Scan# 1862
Delta R.T. 0.047 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:244 Resp: 1283933

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.0	9.0
122	15.6	9.0	13.6#



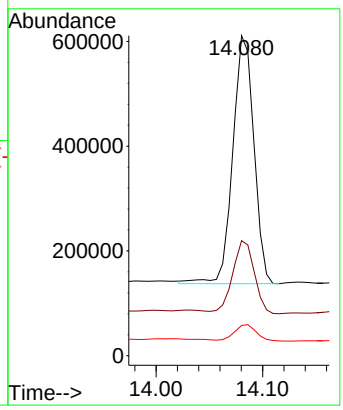


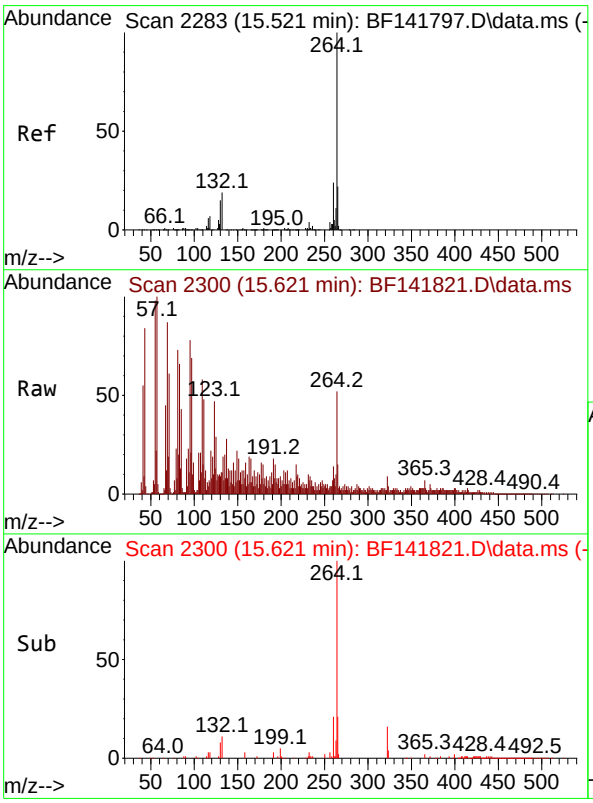
#84
Bis(2-ethylhexyl)phthalate
Concen: 39.904 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.047 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:149 Resp: 652409

Ion	Ratio	Lower	Upper
149	100		
167	35.9	21.2	31.8#
279	9.5	3.3	4.9#

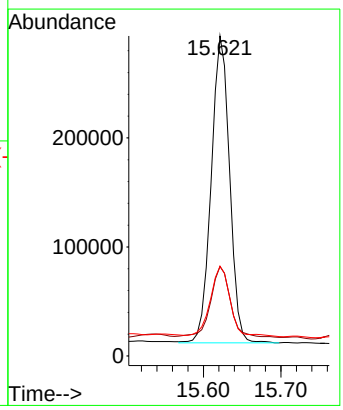




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2300
Delta R.T. 0.100 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:264 Resp: 463776

Ion	Ratio	Lower	Upper
264	100		
260	27.9	18.9	28.3
265	28.1	17.4	26.0#



Sample Results: **BF141821.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141821.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.487	565	577	584	rBV	2064730	2987597	47.23%	3.454%
2	5.916	642	650	654	rBV4	251076	478608	7.57%	0.553%
3	5.963	654	658	665	rVV3	166719	347642	5.50%	0.402%
4	6.051	665	673	677	rVB4	349208	636090	10.06%	0.735%
5	6.145	684	689	695	rBV2	1023118	1807047	28.57%	2.089%
6	6.198	695	698	701	rVB	402173	456839	7.22%	0.528%
7	6.334	716	721	725	rBV3	692689	1187635	18.77%	1.373%
8	6.392	725	731	734	rVV	604181	861854	13.62%	0.996%
9	6.428	734	737	743	rVB4	801021	1347742	21.31%	1.558%
10	6.498	743	749	754	rBV	2070752	3132237	49.52%	3.621%
11	6.545	754	757	759	rBV	248355	301879	4.77%	0.349%
12	6.634	768	772	776	rBV4	931945	1783035	28.19%	2.061%
13	6.722	783	787	795	rVB4	1835773	3589383	56.74%	4.149%
14	6.828	799	805	807	rBV4	500074	959420	15.17%	1.109%
15	6.904	807	818	822	rVB2	2702737	5986352	94.63%	6.920%
16	6.951	822	826	829	rBV2	977635	1285340	20.32%	1.486%
17	7.004	829	835	838	rBV3	1003200	2054029	32.47%	2.375%
18	7.039	838	841	845	rVB2	2153005	2689685	42.52%	3.109%
19	7.122	852	855	857	rBV2	688697	909272	14.37%	1.051%
20	7.163	859	862	866	rVB2	1597278	2124077	33.58%	2.456%
21	7.204	866	869	872	rBV3	578366	849200	13.42%	0.982%
22	7.234	872	874	878	rVB2	619944	708164	11.19%	0.819%
23	7.287	878	883	887	rBV4	1629574	2691956	42.56%	3.112%
24	7.375	892	898	901	rBV2	796228	1423051	22.50%	1.645%
25	7.422	901	906	913	rBV4	2273642	5601005	88.54%	6.475%
26	7.534	921	925	929	rVB3	1623829	2473754	39.11%	2.860%
27	7.592	929	935	939	rBV3	931318	1863487	29.46%	2.154%
28	7.675	940	949	961	rVB5	1711316	6325801	100.00%	7.313%
29	7.792	961	969	971	rBV3	903200	2169486	34.30%	2.508%
30	7.816	971	973	977	rVB4	697131	704656	11.14%	0.815%
31	7.910	983	989	992	rBV3	828108	1442916	22.81%	1.668%
32	8.039	1008	1011	1015	rVB3	236182	287403	4.54%	0.332%
33	8.104	1017	1022	1027	rVV4	748700	1589739	25.13%	1.838%
34	8.169	1027	1033	1040	rVV2	1201557	2729250	43.14%	3.155%
35	8.228	1040	1043	1046	rVB2	505349	619067	9.79%	0.716%
36	8.257	1046	1048	1056	rVB6	194605	301827	4.77%	0.349%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.351	1060	1064	1070	rVB3	278914	395566	6.25%	0.457%
38	8.410	1070	1074	1079	rBV3	483542	676200	10.69%	0.782%
39	8.463	1080	1083	1087	rVB5	249316	300527	4.75%	0.347%
40	8.592	1101	1105	1111	rBV3	247105	452281	7.15%	0.523%
41	9.245	1210	1216	1220	rVB	2890040	4062500	64.22%	4.696%
42	9.286	1220	1223	1225	rBV2	378094	519255	8.21%	0.600%
43	9.563	1266	1270	1272	rBV2	1298775	1921536	30.38%	2.221%
44	9.651	1281	1285	1291	rBV4	1044826	2301465	36.38%	2.661%
45	9.745	1298	1301	1305	rVB4	935768	1105705	17.48%	1.278%
46	9.886	1321	1325	1327	rBV2	1231535	2030522	32.10%	2.347%
47	10.869	1489	1492	1498	rVB	4537616	6030584	95.33%	6.972%

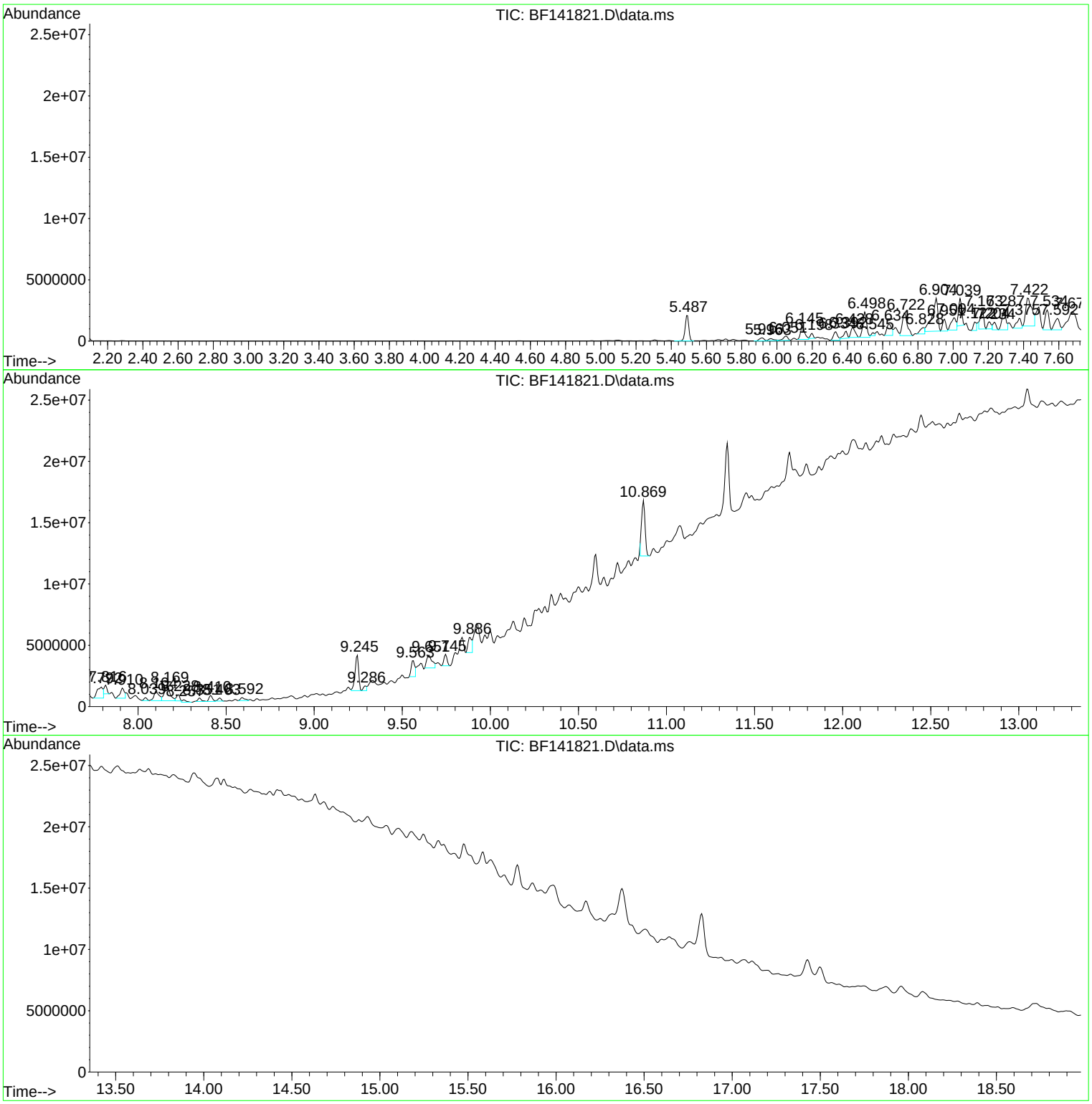
Sum of corrected areas: 86502666

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

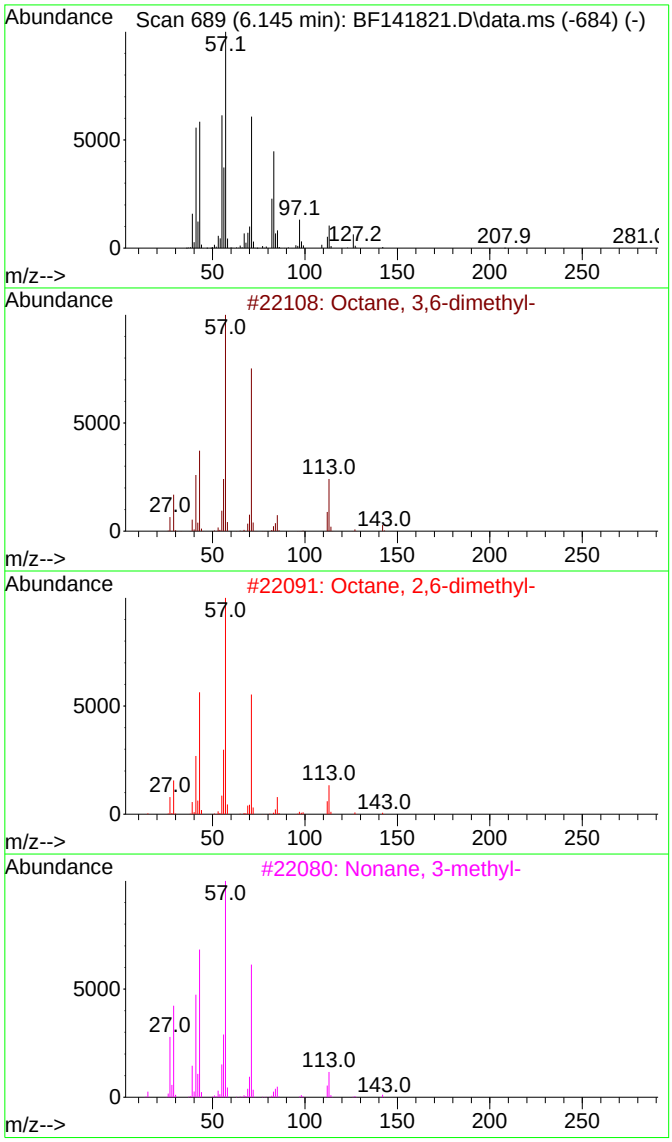
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

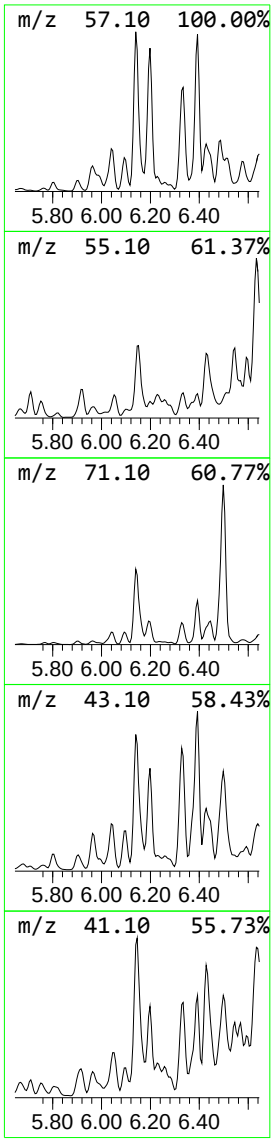
****

Peak Number 1 unknown6.145 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.145	6.04 ng	1807050	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	46
4	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	38
5	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

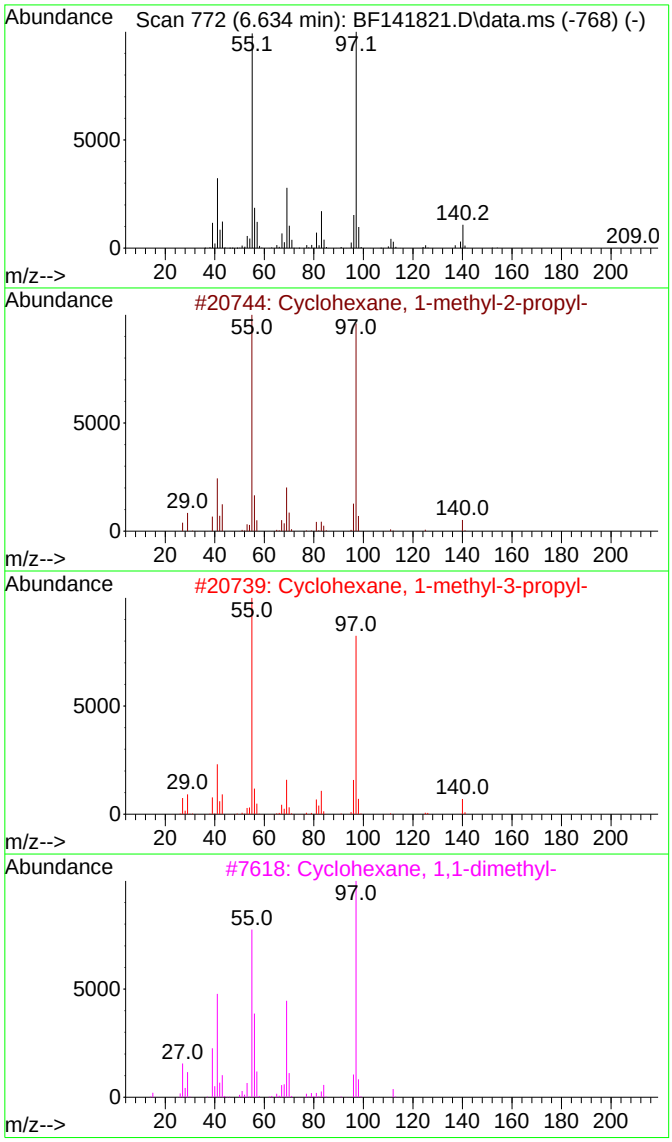
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

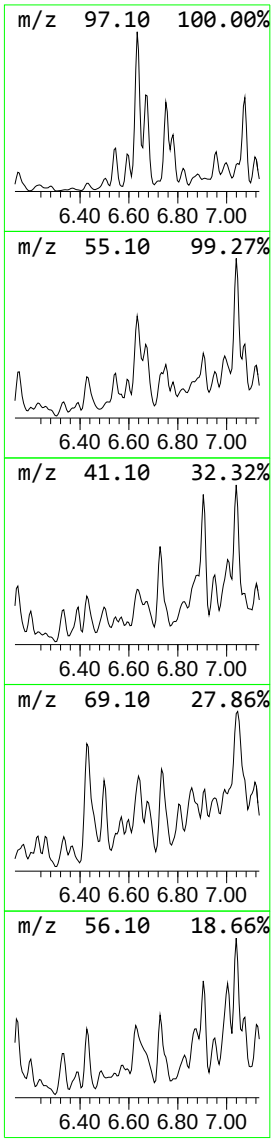
****

Peak Number 2 Cyclohexane, 1-methyl-2-pro... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.634	5.96 ng	1783040	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	90
2	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	80
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	74
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	64
5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	64





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Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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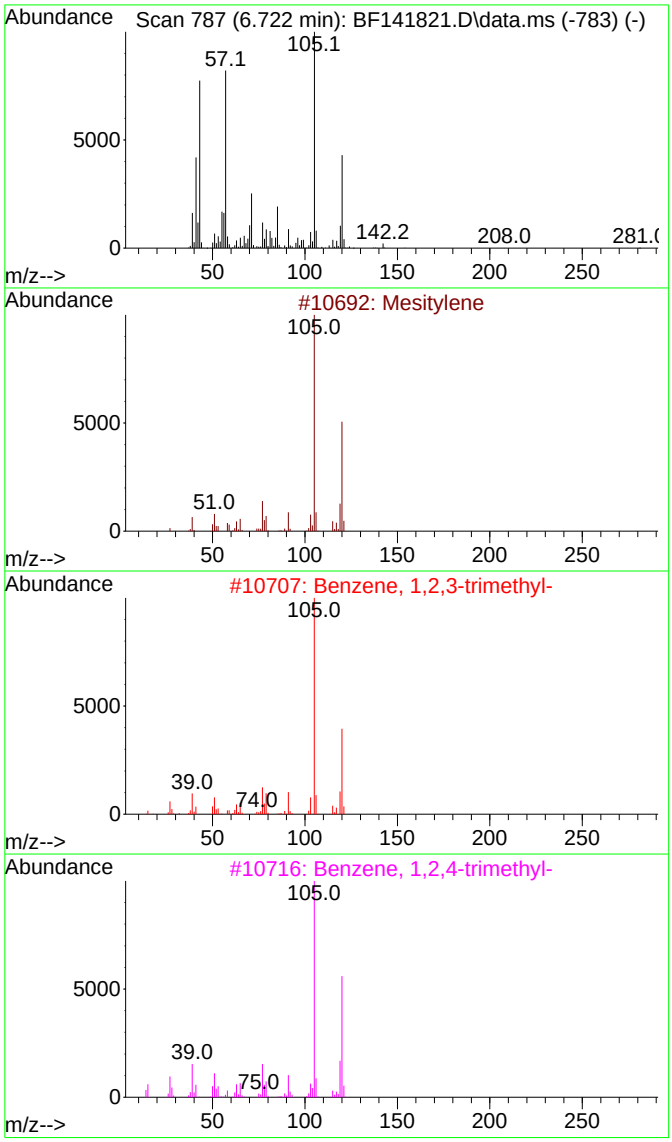
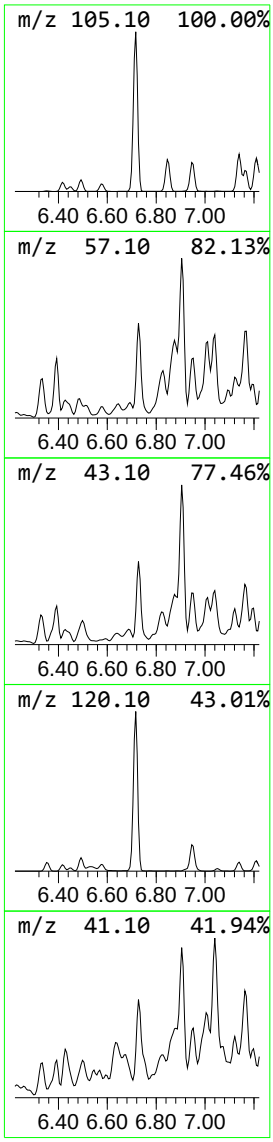
Peak Number 3 Mesitylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.722	11.99 ng	3589380	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	91
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	86
4	Decane	142	C10H22	000124-18-5	80
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	50





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Instrument :
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ClientSampleId :
WC1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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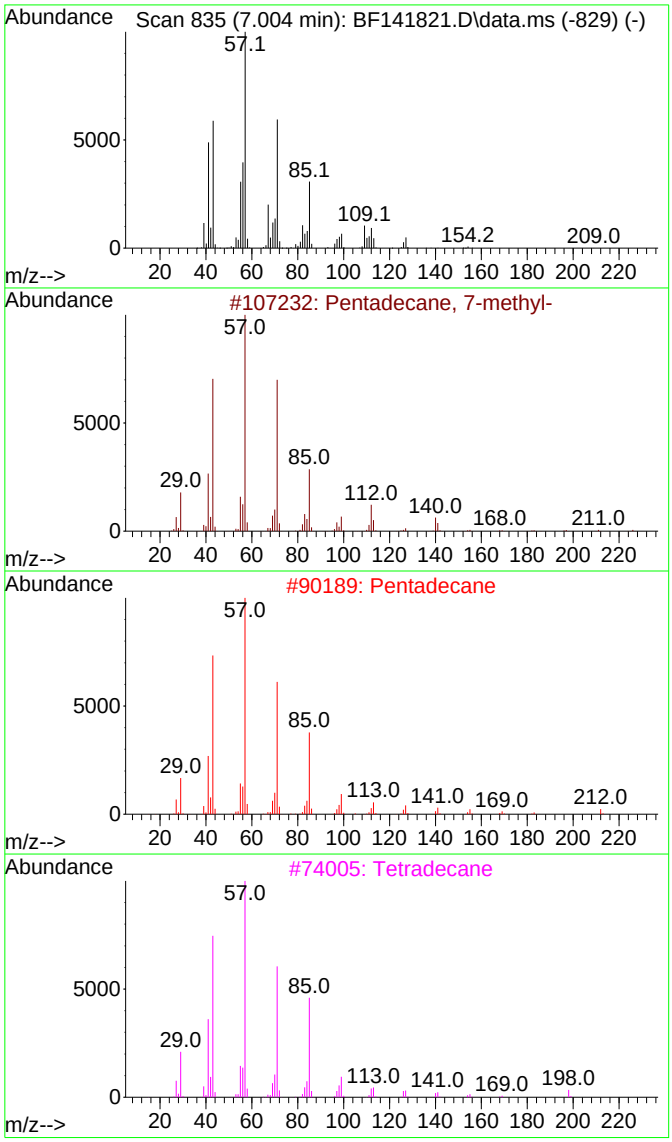
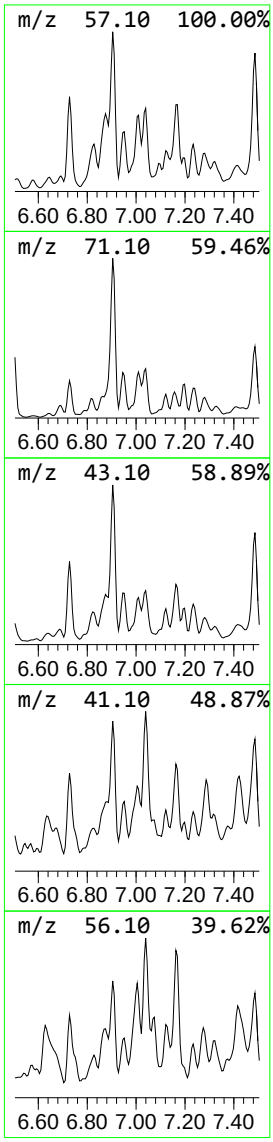
Peak Number 4 unknown7.004 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.004	6.86 ng	2054030	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	47
2	Pentadecane	212	C15H32	000629-62-9	46
3	Tetradecane	198	C14H30	000629-59-4	43
4	Hexadecane	226	C16H34	000544-76-3	43
5	Heptacosane	380	C27H56	000593-49-7	43





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BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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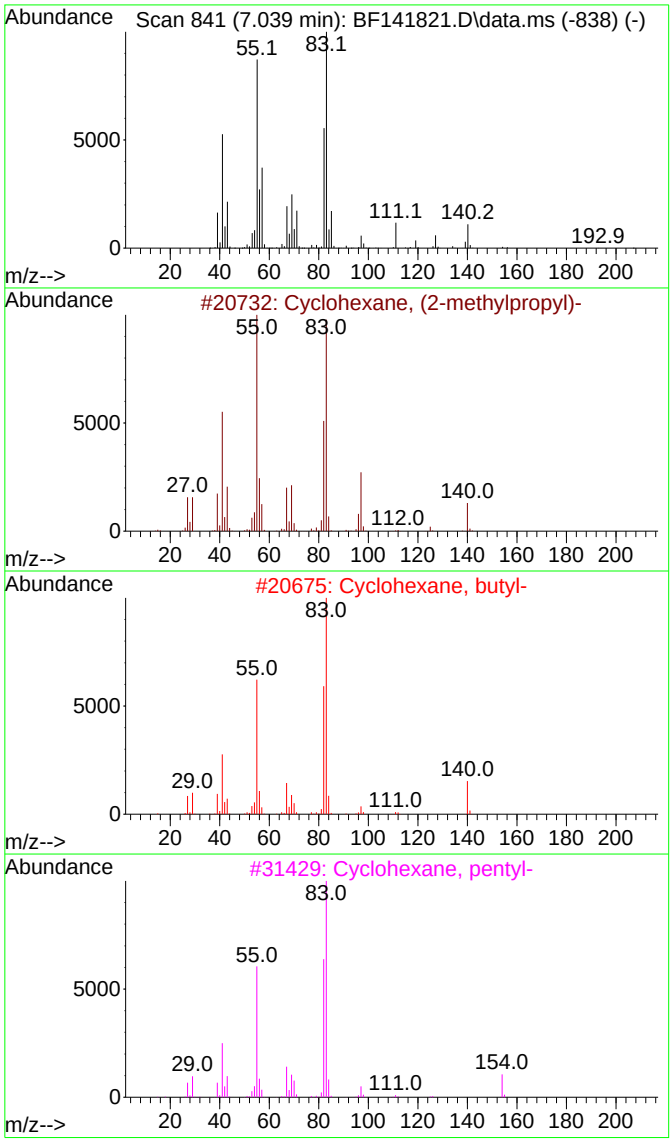
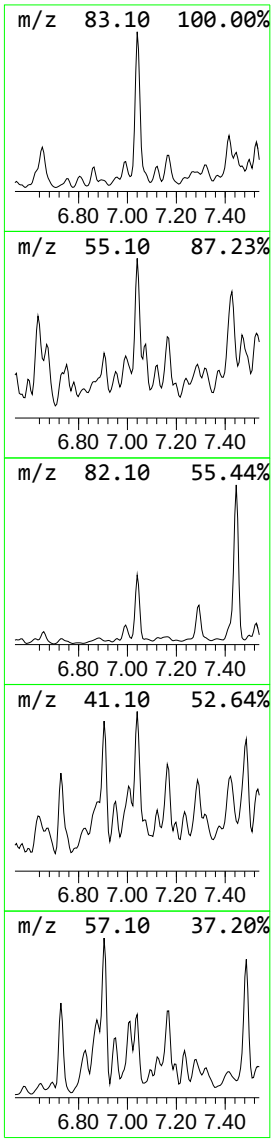
Peak Number 5 Cyclohexane, (2-methylpropyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.039	8.99 ng	2689690	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	83
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	74
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
4	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	52
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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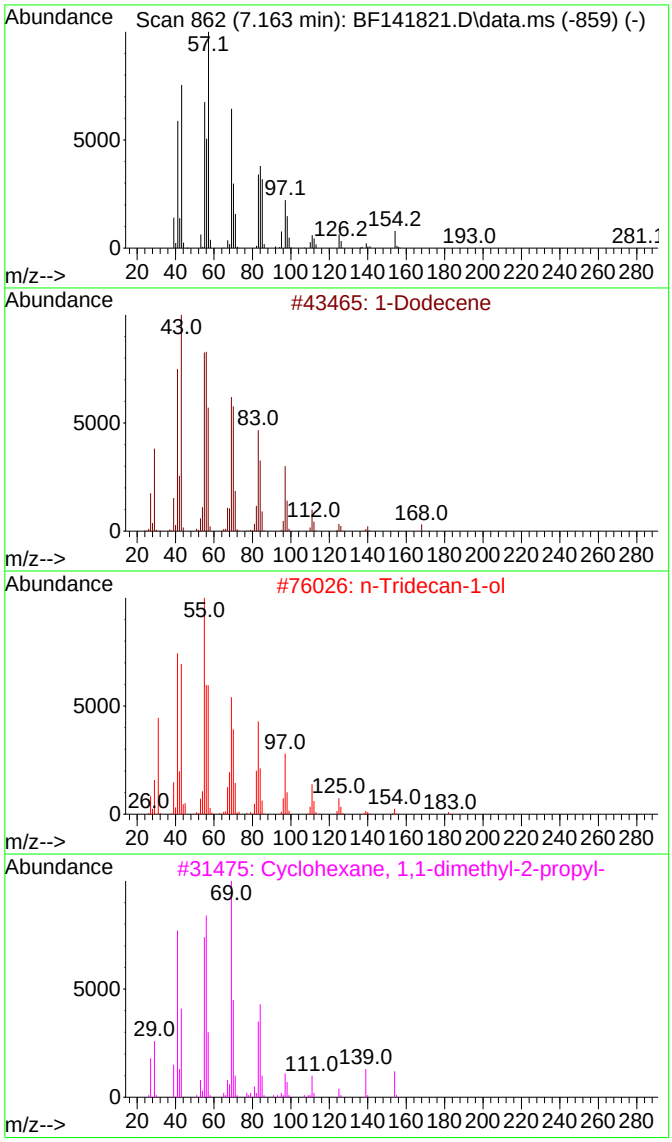
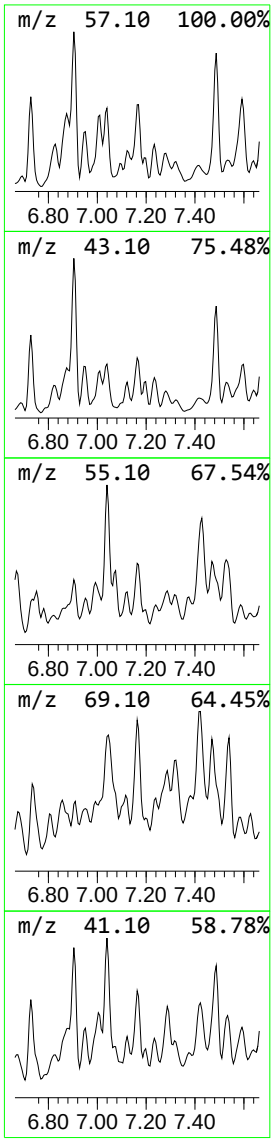
Peak Number 6 1-Dodecene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.163	7.10 ng	2124080	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecene	168	C12H24	000112-41-4	53
2	n-Tridecan-1-ol	200	C13H28O	000112-70-9	53
3	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	52
4	1-Undecene	154	C11H22	000821-95-4	52
5	1-Hexadecanol	242	C16H34O	036653-82-4	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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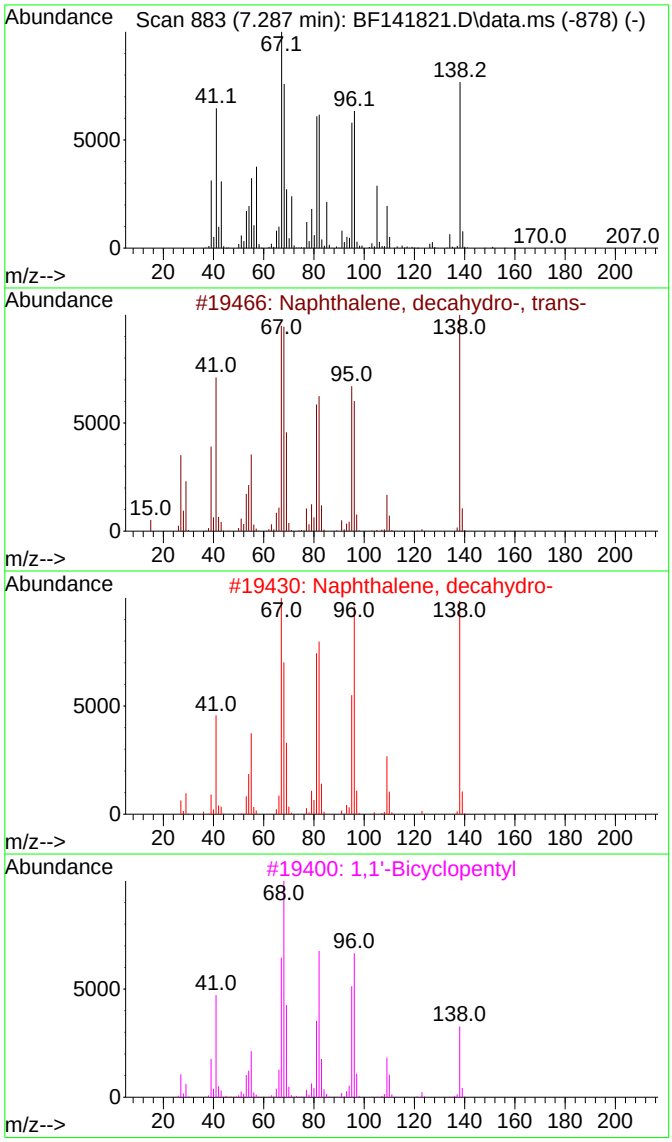
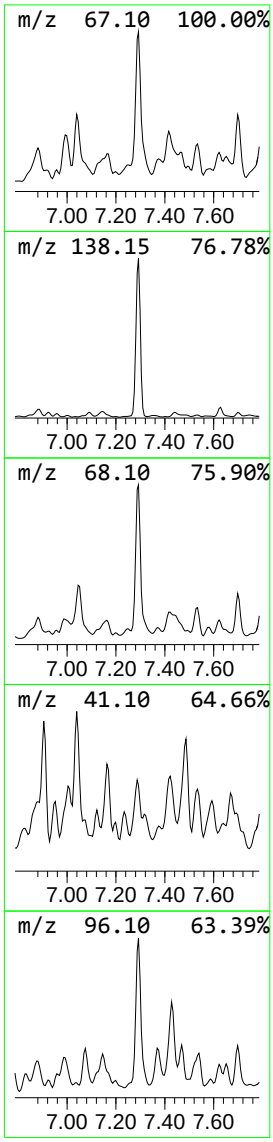
Peak Number 7 Naphthalene, decahydro-, tr... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.287	8.99 ng	2691960	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	81
3	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	70
4	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	68
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	64





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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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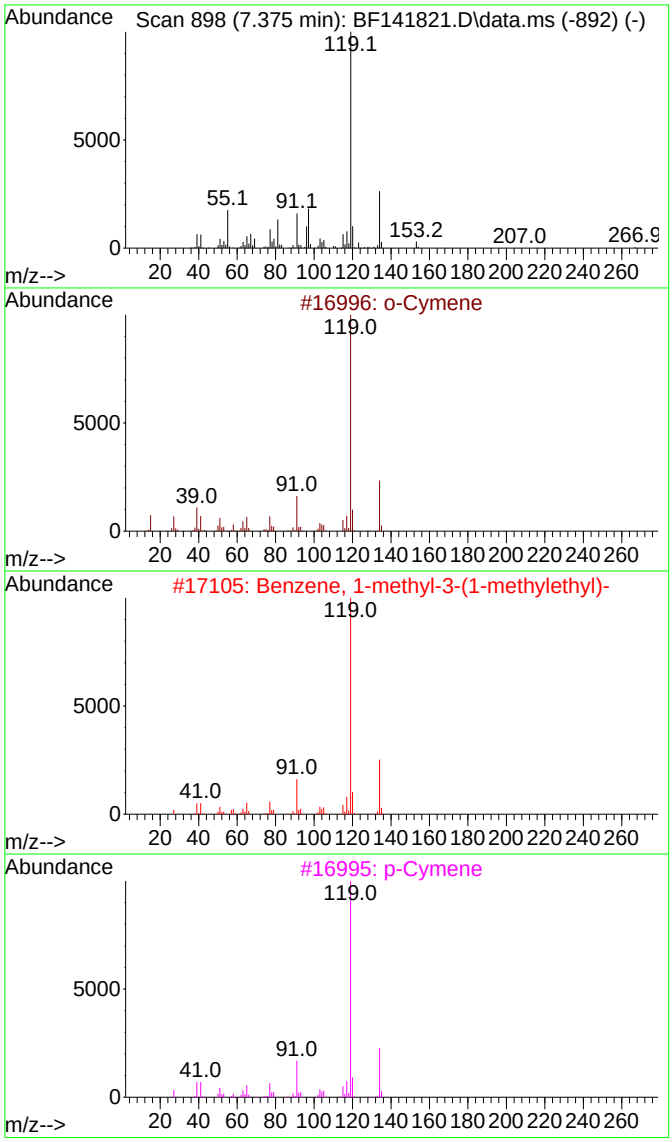
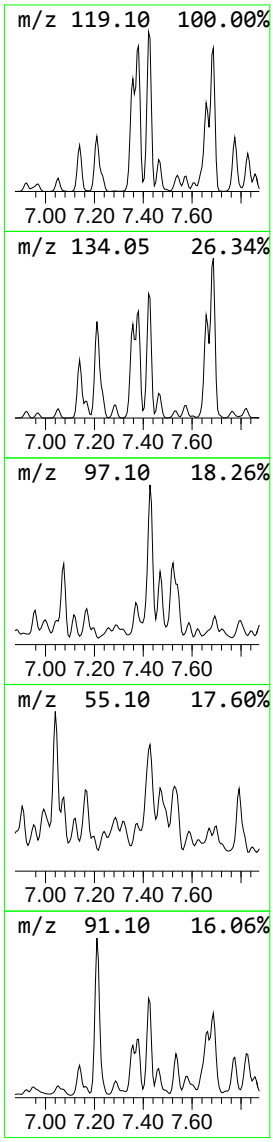
Peak Number 8 o-Cymene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.375	4.75 ng	1423050	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	90
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	81





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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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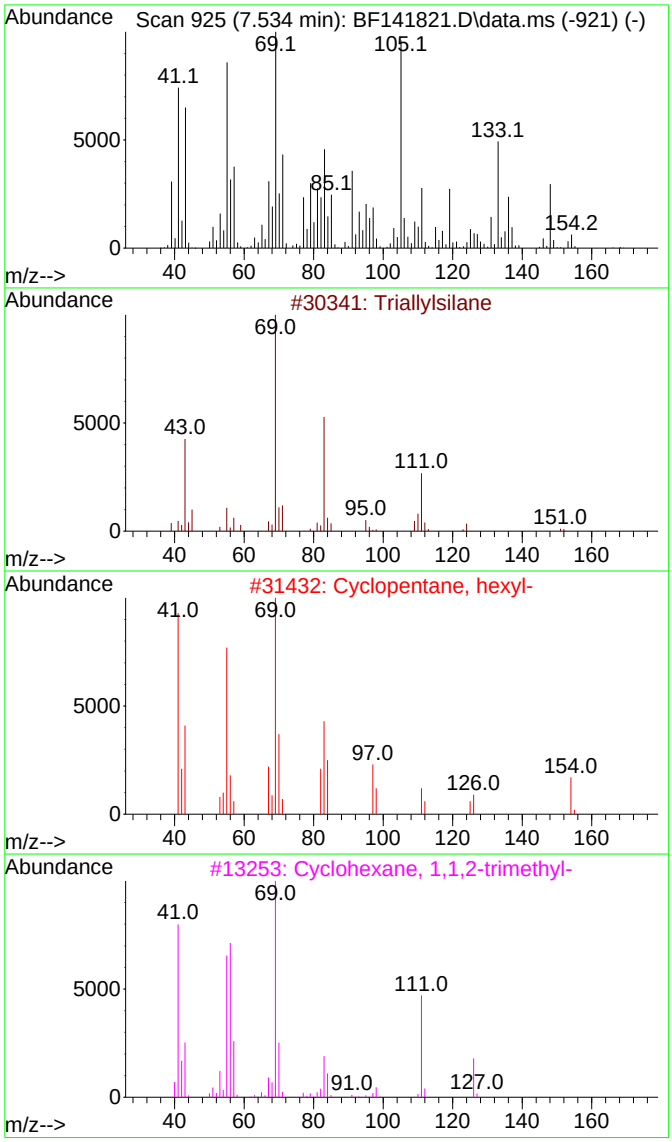
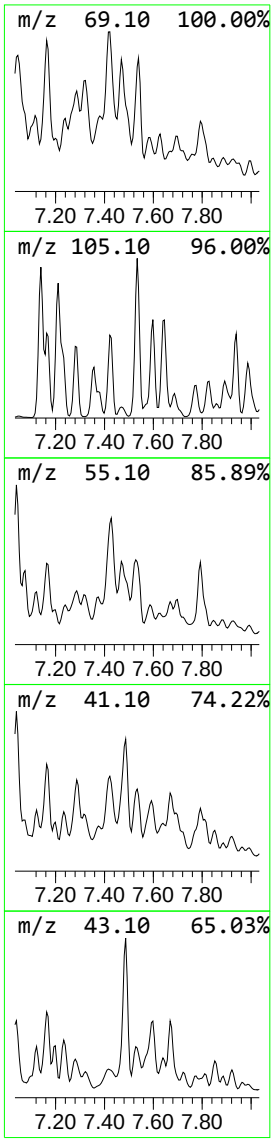
Peak Number 9 unknown7.534 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.534	18.13 ng	2473750	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triallylsilane	152	C9H16Si	001116-62-7	35
2	Cyclopentane, hexyl-	154	C11H22	004457-00-5	30
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	30
4	(1,2,4-Trimethylcyclohexyl)metha...	198	C12H22O2	1010499-04-6	27
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	27





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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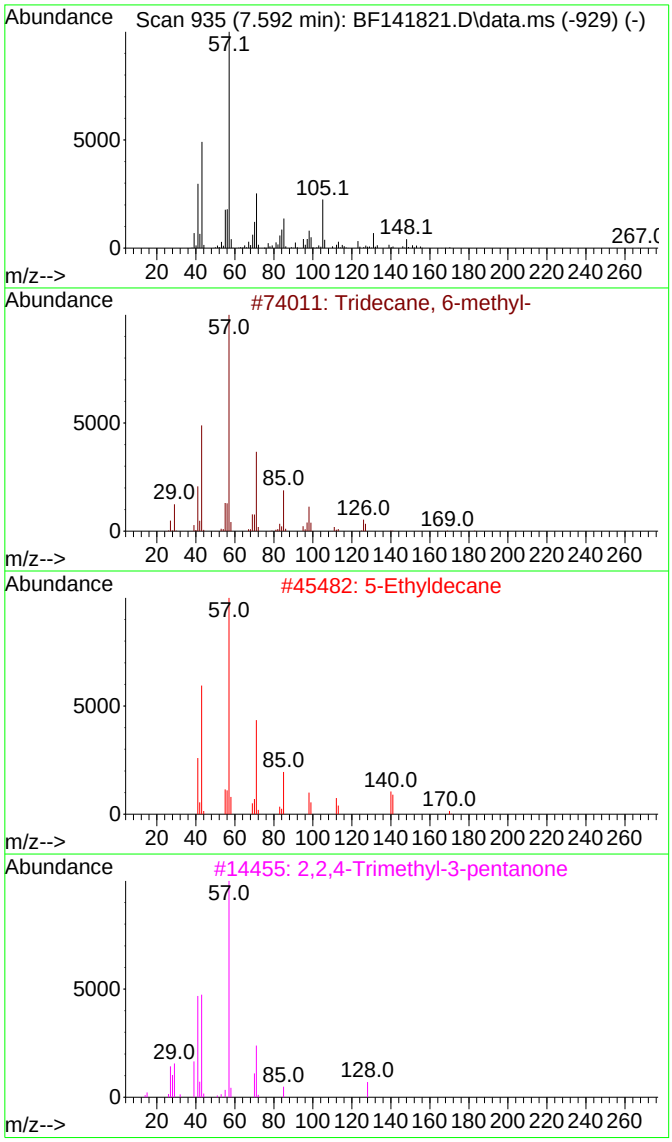
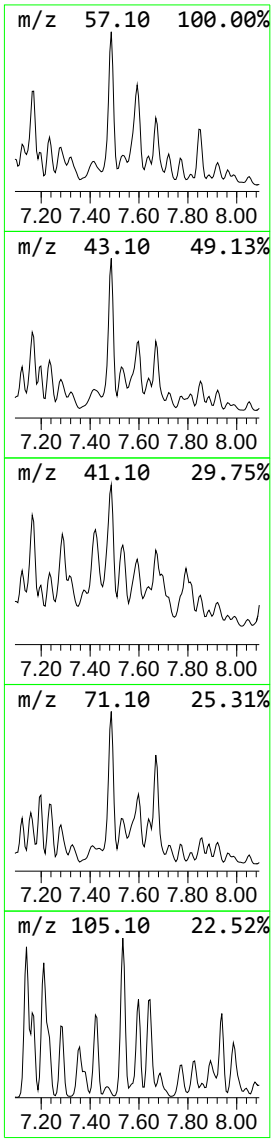
Peak Number 10 Tridecane, 6-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.592	13.66 ng	1863490	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
2	5-Ethyldecane	170	C12H26	017302-36-2	43
3	2,2,4-Trimethyl-3-pentanone	128	C8H16O	005857-36-3	38
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	35
5	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	35





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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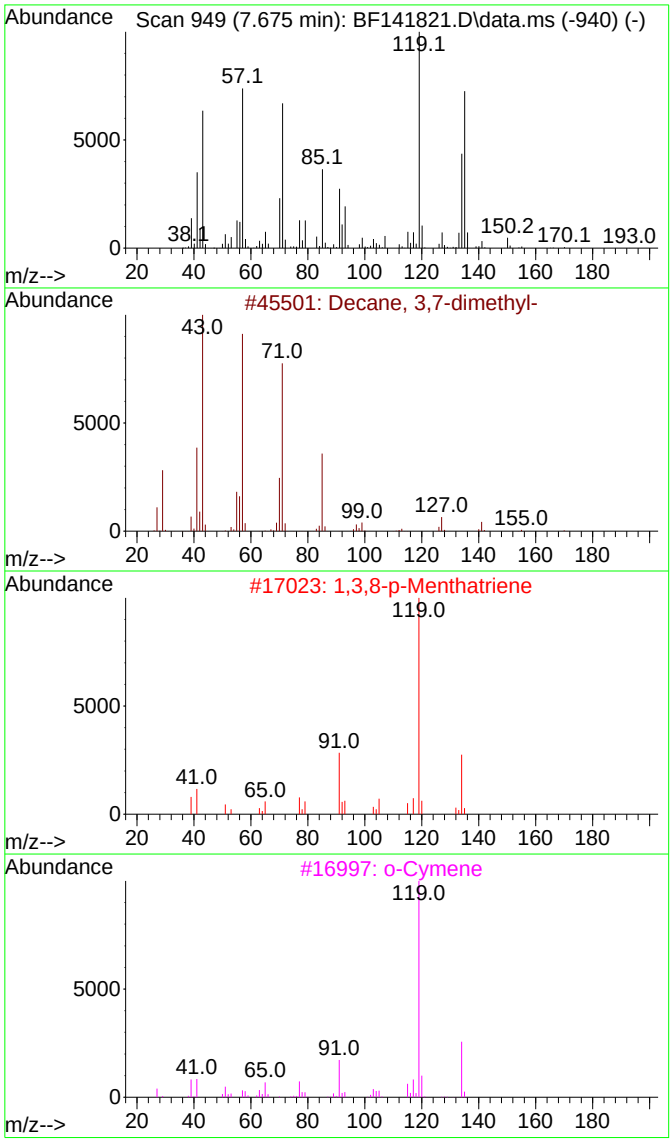
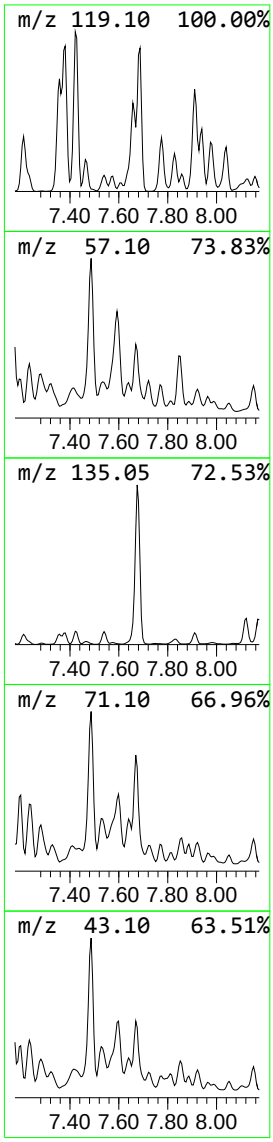
Peak Number 11 Decane, 3,7-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.675	46.36 ng	6325800	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	60
2	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	50
3	o-Cymene	134	C10H14	000527-84-4	46
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	46
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	46





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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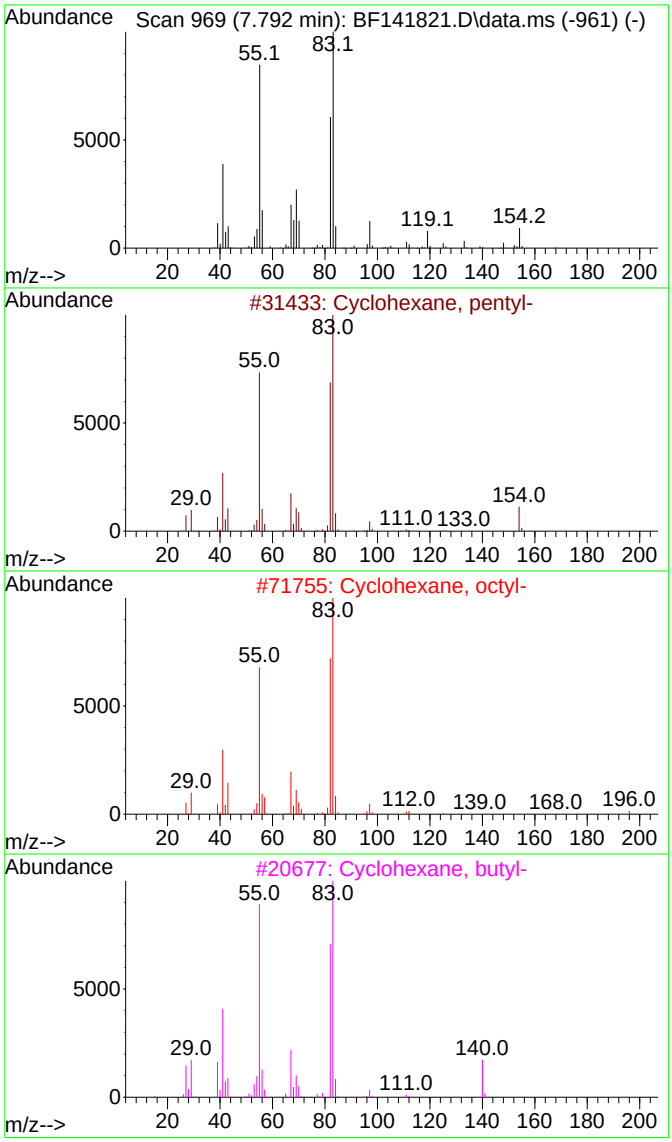
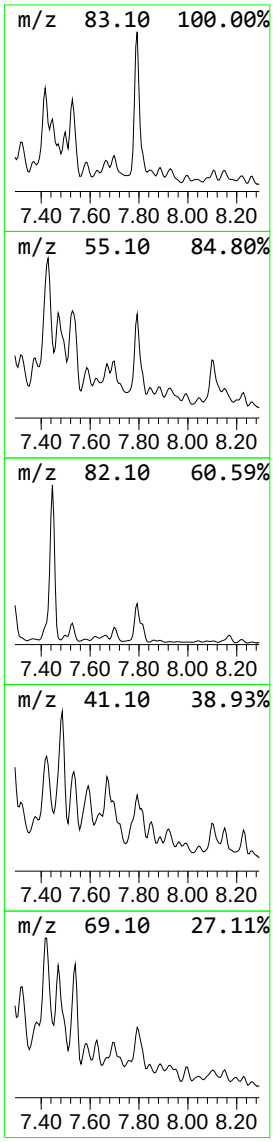
Peak Number 12 Cyclohexane, pentyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.792	15.90 ng	2169490	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	87
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Cyclohexane, hexyl-	168	C12H24	004292-75-5	64





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TIC Integration Parameters: LSCINT.P
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Instrument :
BNA_F
ClientSampleId :
WC1

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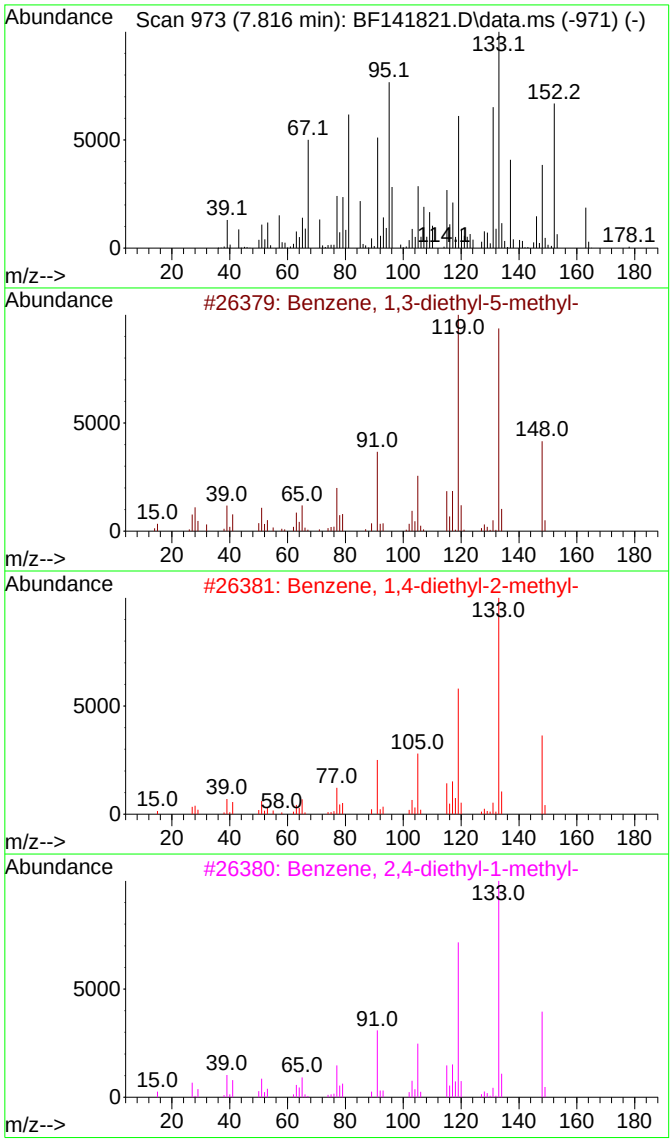
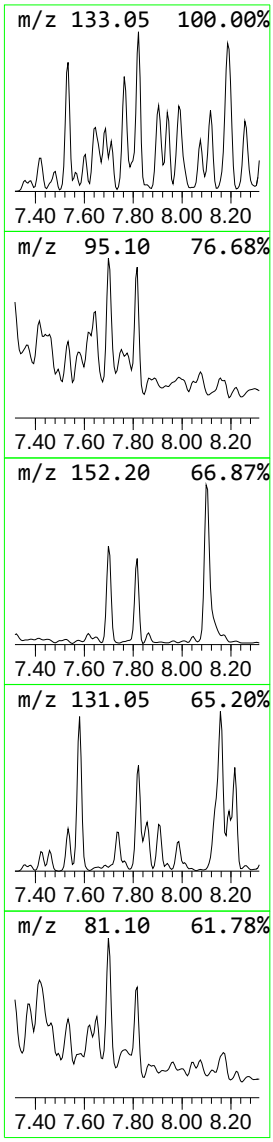
Peak Number 13 unknown7.816 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.816	5.16 ng	704656	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	47
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	46
3	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	42
4	Phenol, 2-(2-methyl-2-propenyl)-	148	C10H12O	020944-88-1	38
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	35





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Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

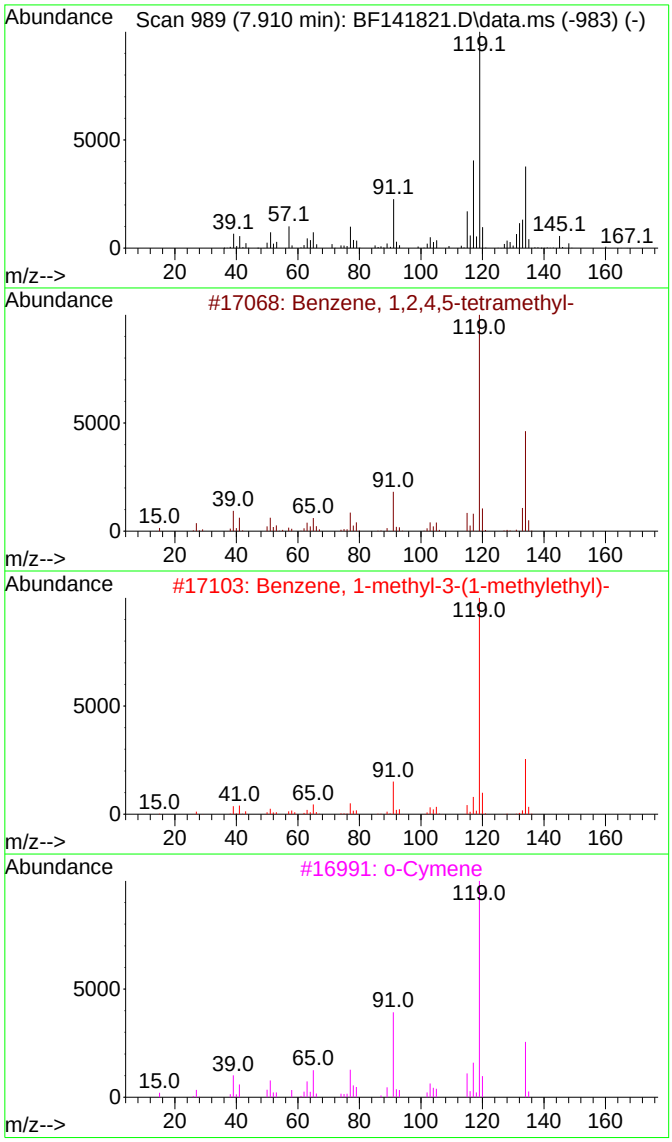
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

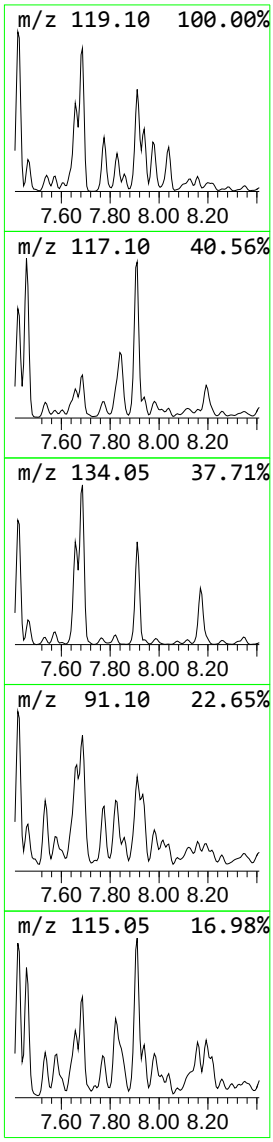
****

Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.910	10.57 ng	1442920	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
3	o-Cymene	134	C10H14	000527-84-4	64
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	60
5	p-Cymene	134	C10H14	000099-87-6	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

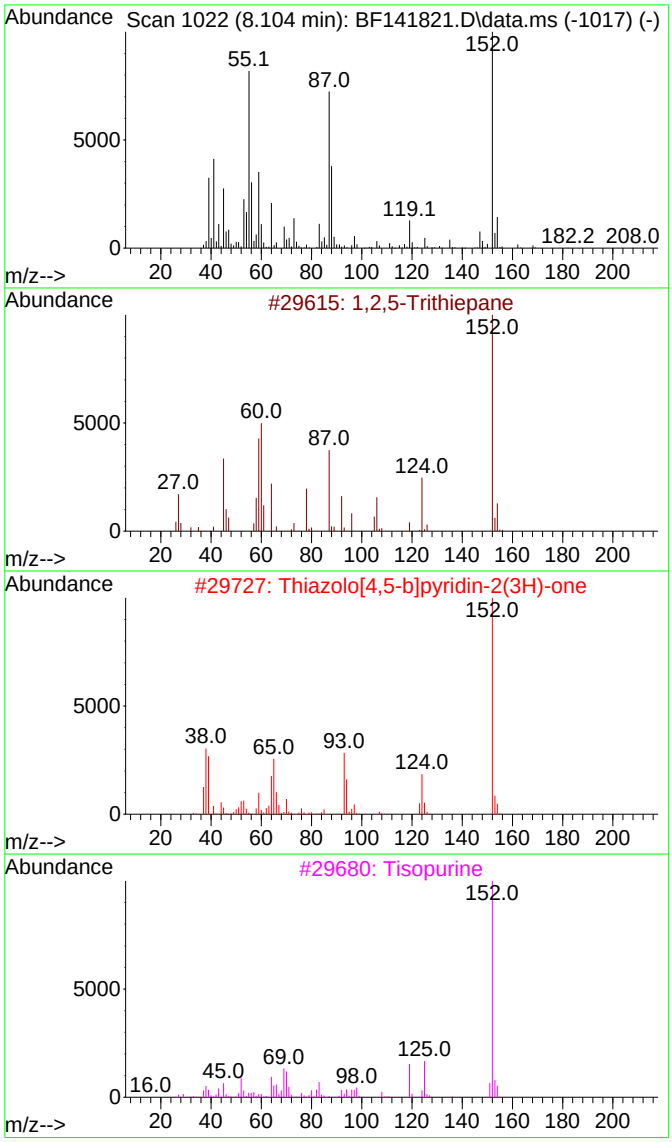
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

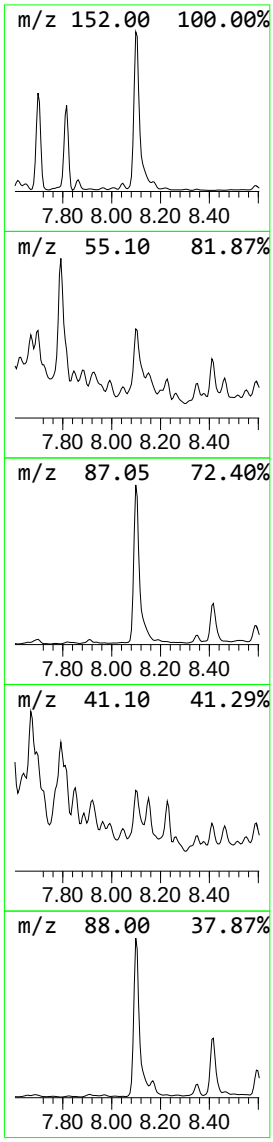
****

Peak Number 15 unknown8.104 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.104	11.65 ng	1589740	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,5-Trithiepane	152	C4H8S3	006576-93-8	47
2	Thiazolo[4,5-b]pyridin-2(3H)-one	152	C6H4N2OS	1000337-65-8	35
3	Tisopurine	152	C5H4N4S	005334-23-6	27
4	Thiophene, 2,5-dichloro-	152	C4H2Cl2S	003172-52-9	16
5	6-Mercaptopurine	152	C5H4N4S	000050-44-2	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

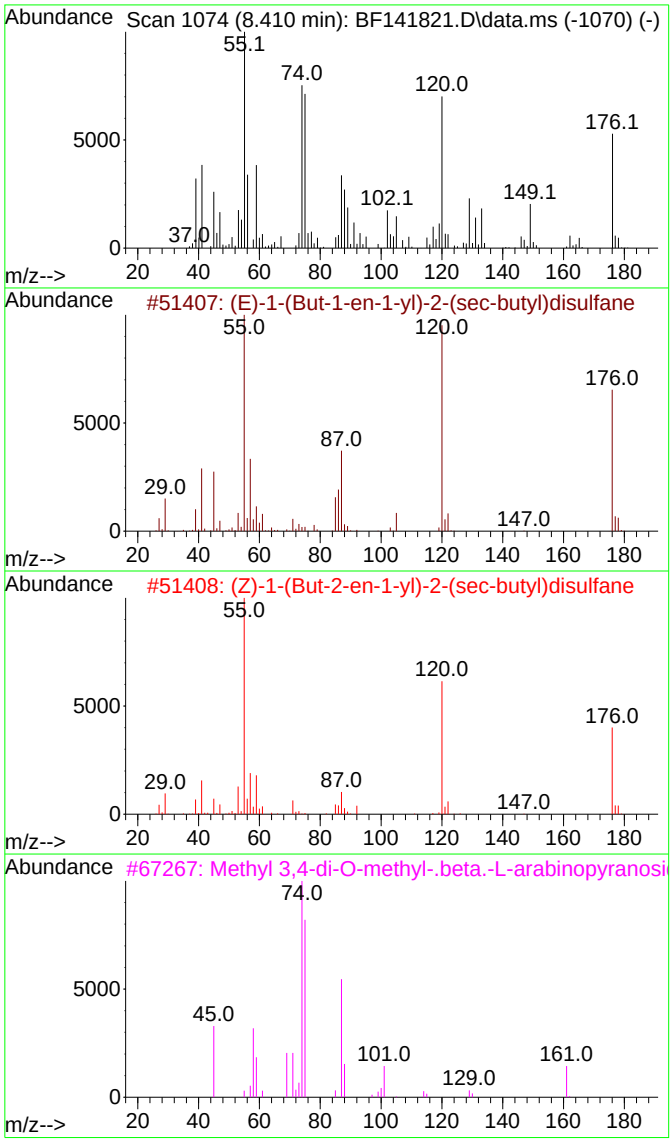
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

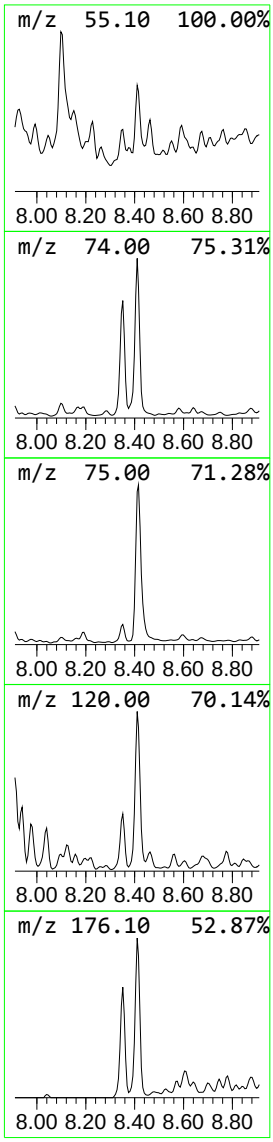
****

Peak Number 16 unknown8.410 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.410	4.96 ng	676200	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-(But-1-en-1-yl)-2-(sec-but...	176	C8H16S2	110690-22-7	44
2	(Z)-1-(But-2-en-1-yl)-2-(sec-but...	176	C8H16S2	110690-23-8	35
3	Methyl 3,4-di-O-methyl-.beta.-L-...	192	C8H16O5	002296-48-2	32
4	(Z)-1-(But-1-en-1-yl)-2-(sec-but...	176	C8H16S2	110690-21-6	30
5	Propanoic acid, 2-mercapto-2-met...	120	C4H8O2S	004695-31-2	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

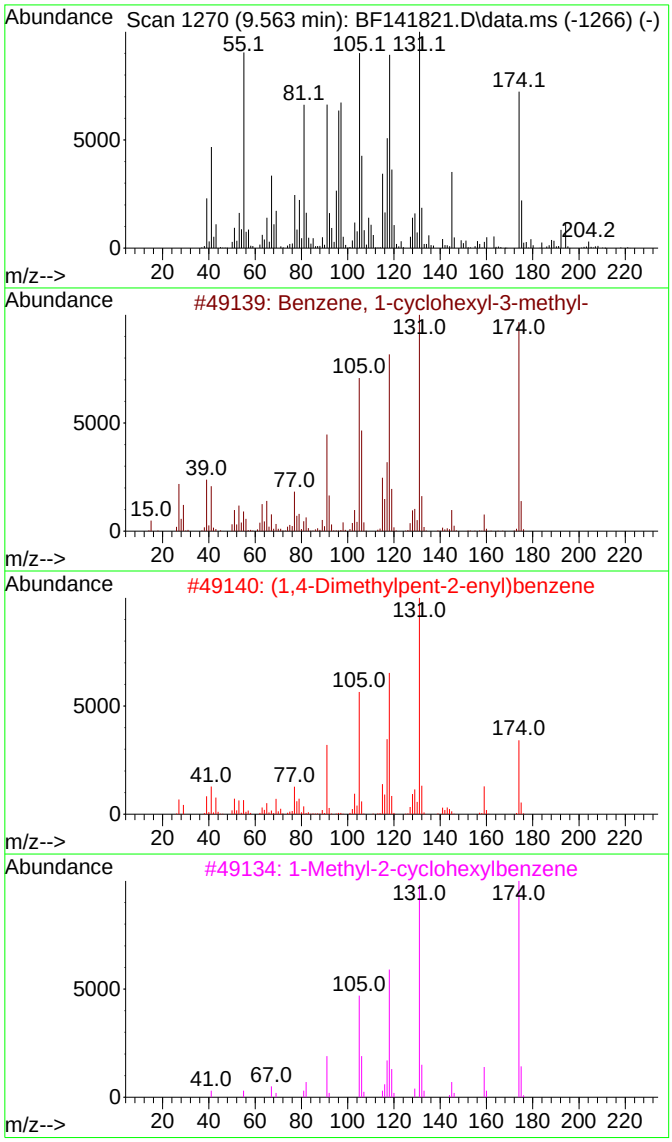
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

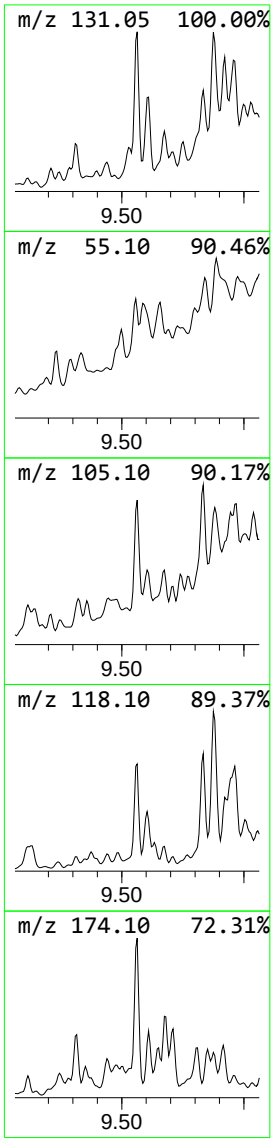
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-cyclohexyl-3-met... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.563	18.93 ng	1921540	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-cyclohexyl-3-methyl-	174	C13H18	004575-46-6	64
2	(1,4-Dimethylpent-2-enyl)benzene	174	C13H18	1000184-97-9	60
3	1-Methyl-2-cyclohexylbenzene	174	C13H18	004501-35-3	58
4	3-Phenylthiane,S-oxide	194	C11H14OS	058121-26-9	30
5	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	15





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

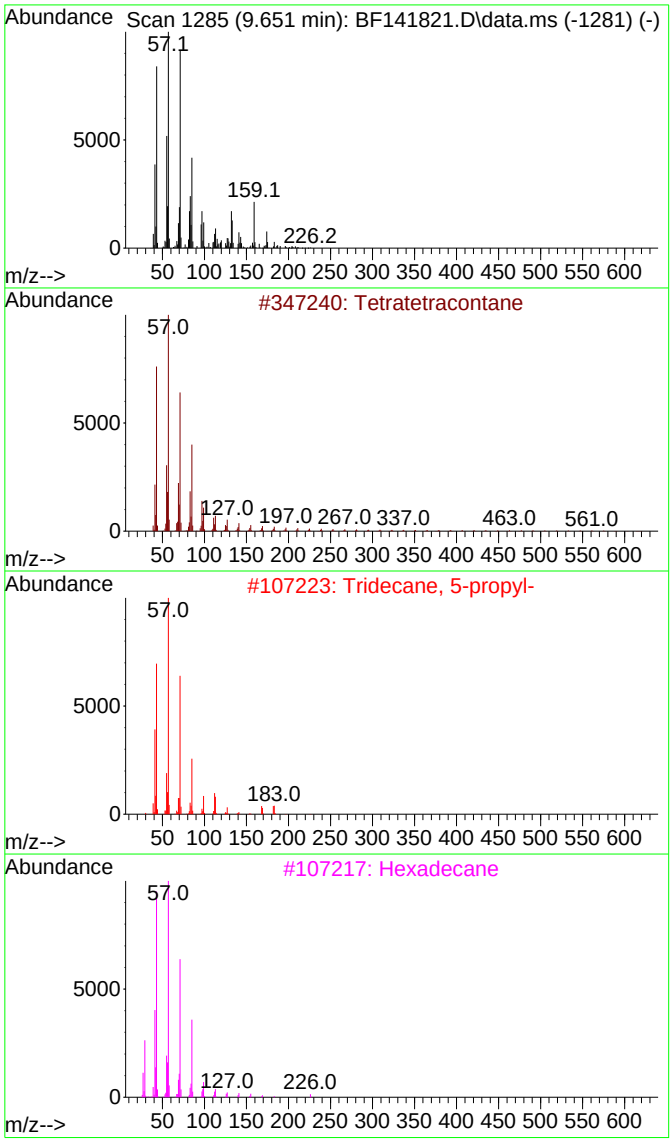
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

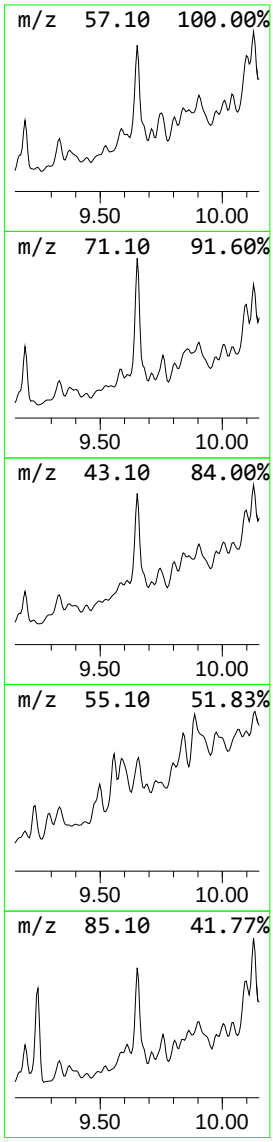
****

Peak Number 18 Tetratetracontane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.651	22.67 ng	2301470	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	64
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	62
3	Hexadecane	226	C16H34	000544-76-3	62
4	Tetradecane	198	C14H30	000629-59-4	58
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

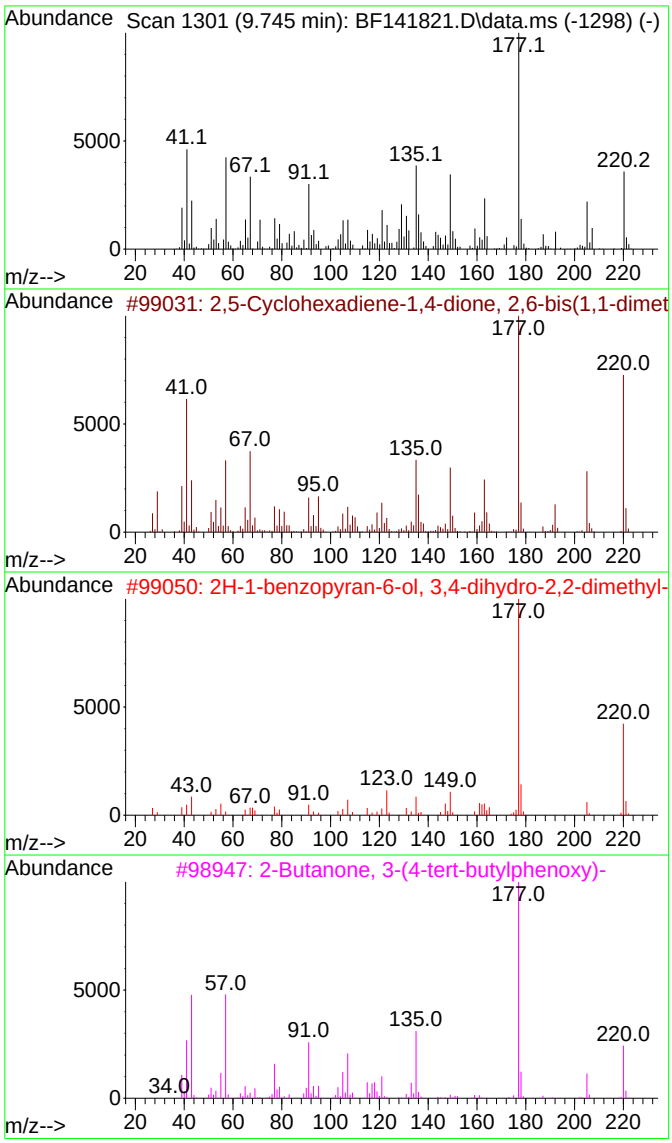
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

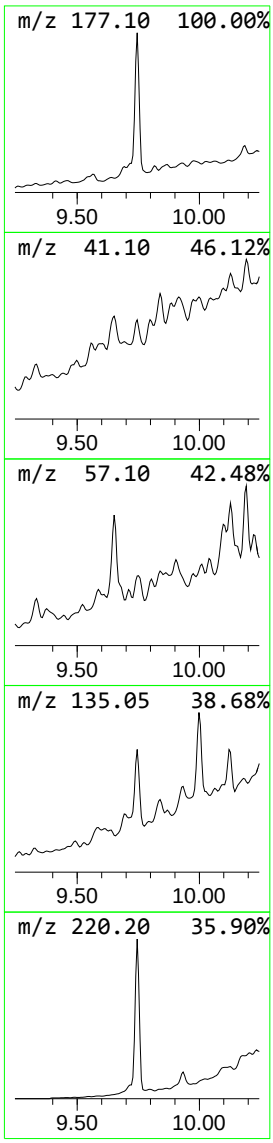
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.745	10.89 ng	1105710	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	93
2	2H-1-benzopyran-6-ol, 3,4-dihydr...	220	C14H20O2	1000396-25-4	55
3	2-Butanone, 3-(4-tert-butylpheno...	220	C14H20O2	160875-28-5	55
4	Thiocoumarine, 4,4,6,7-tetramethyl-	220	C13H16OS	1000128-90-2	53
5	2-Acetyl-3,4,5,6-tetrafluorobenz...	220	C9H4F4O2	1000461-12-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

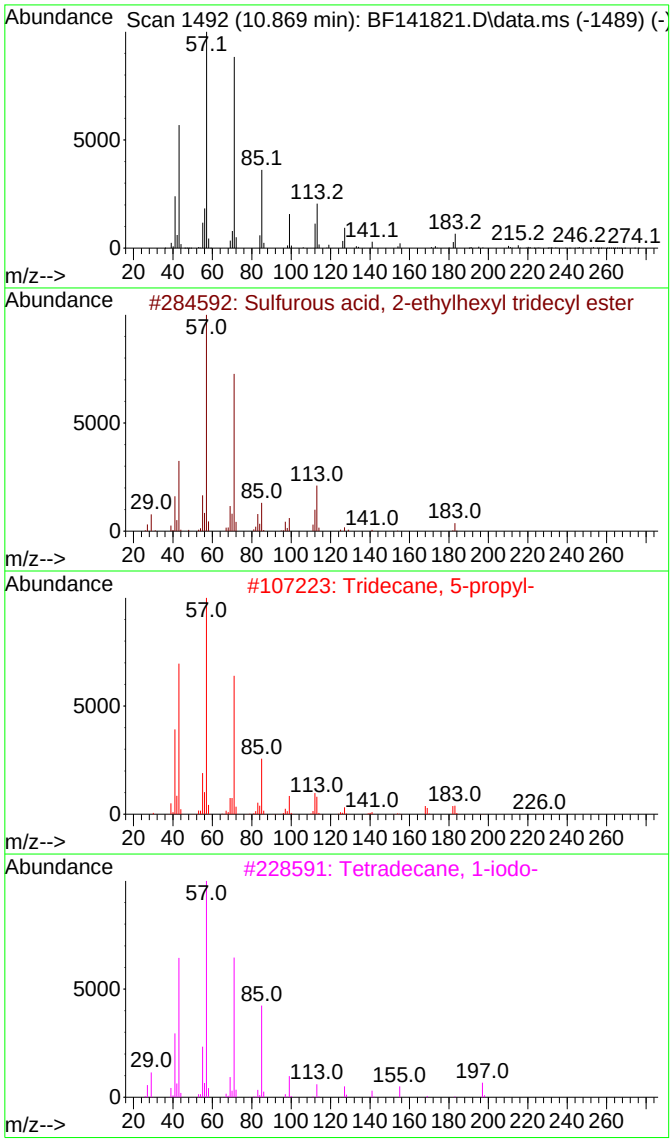
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

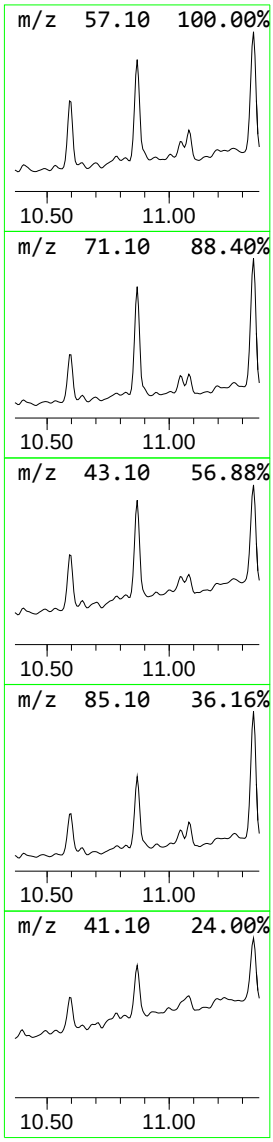
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Sulfurous acid, 2-ethylhexy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.869	20.00 ng	6030580	Phenanthrene-d10	11.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	72
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	68
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	53
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	53
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.145	6.145	6.0	ng	1807050	1	6.892	5986350	20.0
Cyclohexane, 1-...	6.634	6.0	ng	1783040	1	6.892	5986350	20.0
Mesitylene	6.722	12.0	ng	3589380	1	6.892	5986350	20.0
unknown7.004	7.004	6.9	ng	2054030	1	6.892	5986350	20.0
Cyclohexane, (2...	7.039	9.0	ng	2689690	1	6.892	5986350	20.0
1-Dodecene	7.163	7.1	ng	2124080	1	6.892	5986350	20.0
Naphthalene, de...	7.287	9.0	ng	2691960	1	6.892	5986350	20.0
o-Cymene	7.375	4.8	ng	1423050	1	6.892	5986350	20.0
unknown7.534	7.534	18.1	ng	2473750	2	8.169	2729250	20.0
Tridecane, 6-me...	7.592	13.7	ng	1863490	2	8.169	2729250	20.0
Decane, 3,7-dim...	7.675	46.4	ng	6325800	2	8.169	2729250	20.0
Cyclohexane, pe...	7.792	15.9	ng	2169490	2	8.169	2729250	20.0
unknown7.816	7.816	5.2	ng	704656	2	8.169	2729250	20.0
Benzene, 1,2,4,...	7.910	10.6	ng	1442920	2	8.169	2729250	20.0
unknown8.104	8.104	11.7	ng	1589740	2	8.169	2729250	20.0
unknown8.410	8.410	5.0	ng	676200	2	8.169	2729250	20.0
Benzene, 1-cycl...	9.563	18.9	ng	1921540	3	9.928	2030520	20.0
Tetratetracontane	9.651	22.7	ng	2301470	3	9.928	2030520	20.0
2,5-Cyclohexadi...	9.745	10.9	ng	1105710	3	9.928	2030520	20.0
Sulfurous acid,...	10.869	20.0	ng	6030580	4	11.433	6030580	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141825.D
Acq On : 04 Mar 2025 14:15
Operator : RC/JU
Sample : PB166957BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166957BL

Quant Time: Mar 04 14:44:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

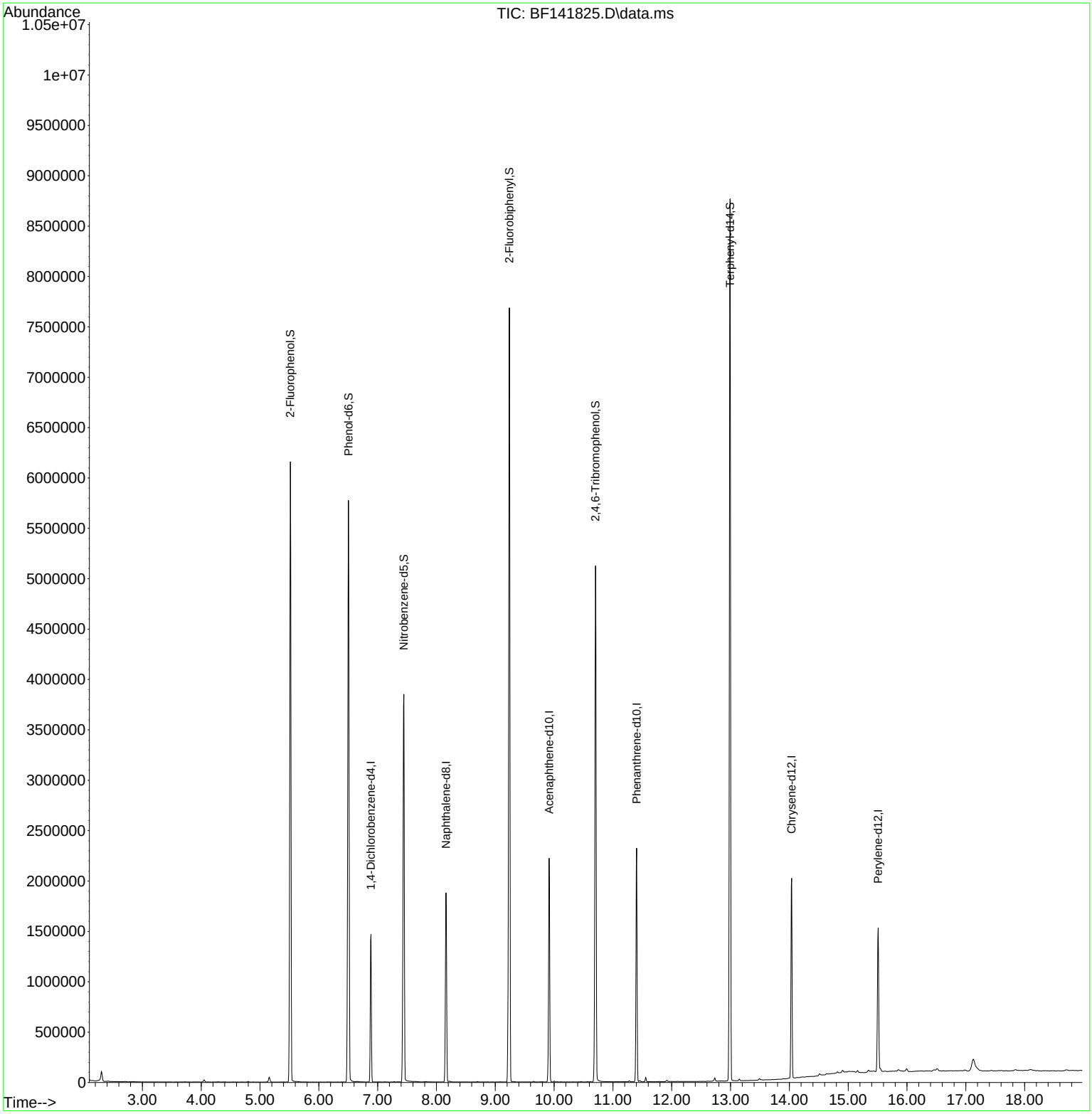
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	311350	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	1222403	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	667294	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	1172173	20.000	ng	0.00
76) Chrysene-d12	14.039	240	949625	20.000	ng	-0.01
86) Perylene-d12	15.509	264	798686	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	2432538	124.771	ng	0.02
7) Phenol-d6	6.504	99	3022065	119.092	ng	0.00
23) Nitrobenzene-d5	7.445	82	1945265	101.719	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	895521	142.948	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	3655439	87.837	ng	0.00
79) Terphenyl-d14	12.992	244	4392756	74.841	ng	0.00
Target Compounds						Qvalue

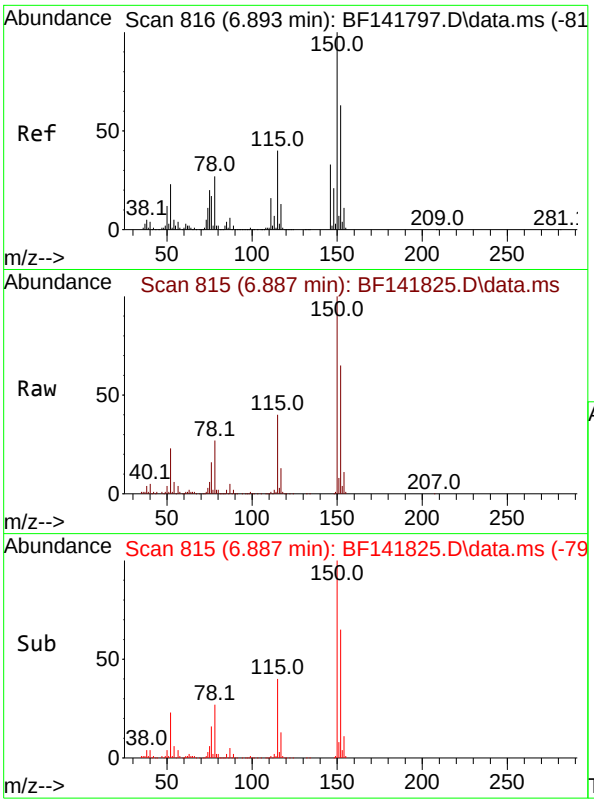
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141825.D
Acq On : 04 Mar 2025 14:15
Operator : RC/JU
Sample : PB166957BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166957BL

Quant Time: Mar 04 14:44:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



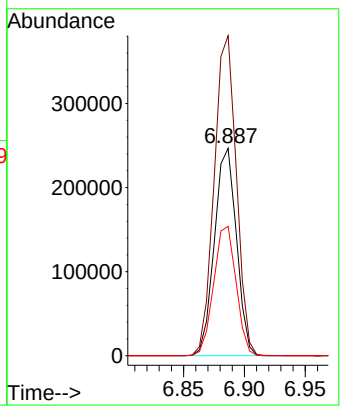


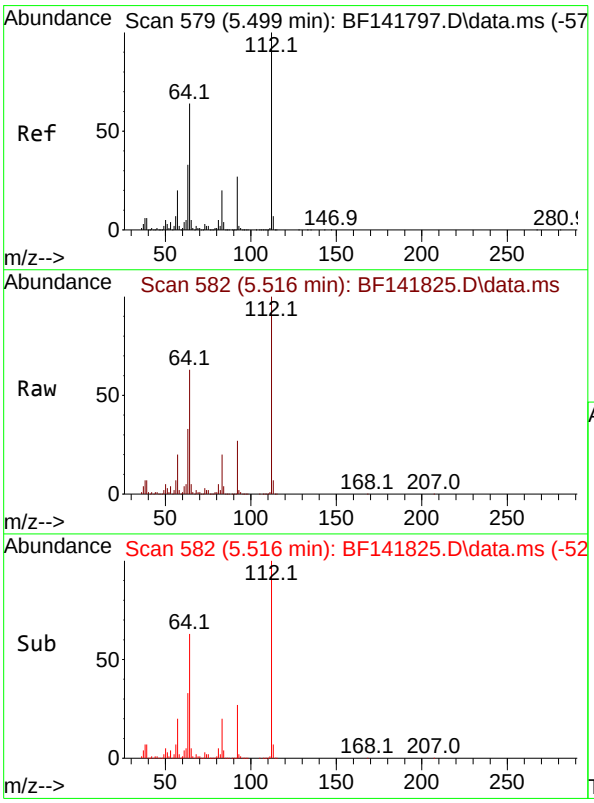
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Instrument :
BNA_F
ClientSampleId :
PB166957BL

Tgt Ion:152 Resp: 311350

Ion	Ratio	Lower	Upper
152	100		
150	154.3	127.5	191.3
115	62.3	51.4	77.2

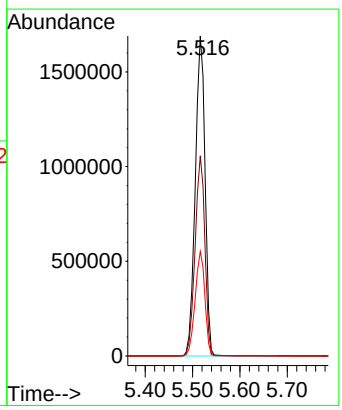


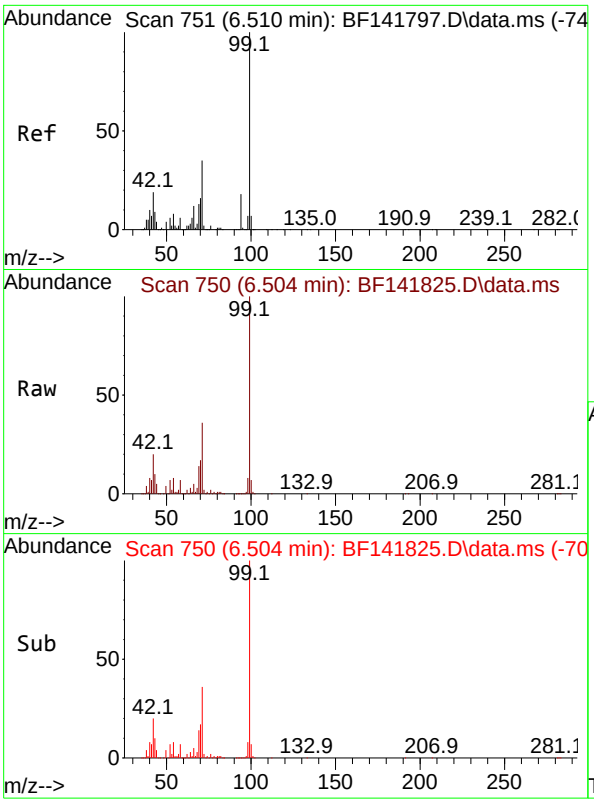


#5
2-Fluorophenol
Concen: 124.771 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.017 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:112 Resp: 2432538

Ion	Ratio	Lower	Upper
112	100		
64	62.5	51.3	76.9
63	32.7	26.2	39.4



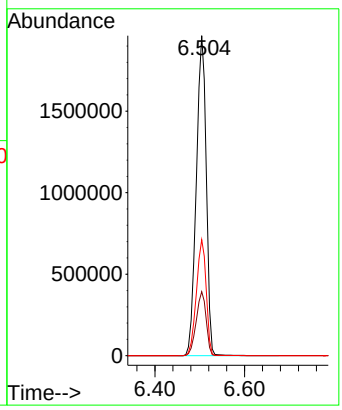


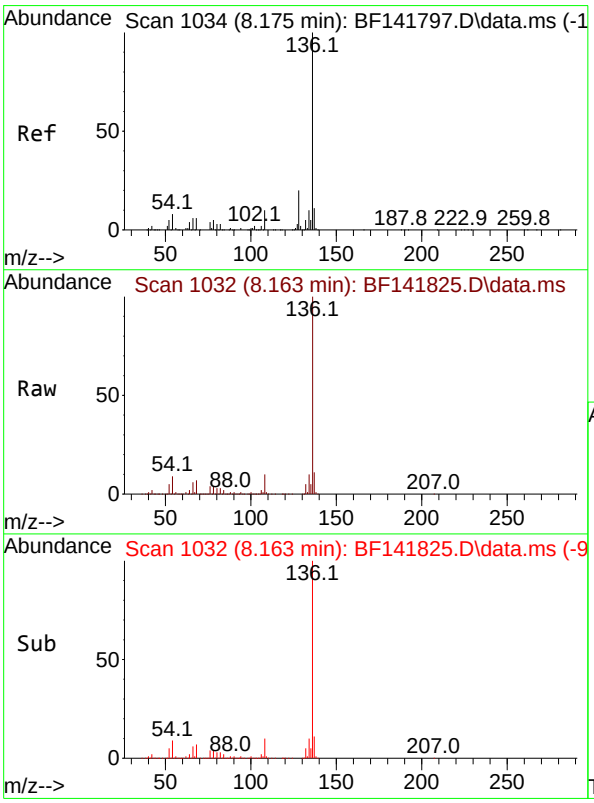
#7
Phenol-d6
Concen: 119.092 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Instrument :
BNA_F
ClientSampleId :
PB166957BL

Tgt Ion: 99 Resp: 3022065

Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.2	22.8
71	36.3	28.2	42.2

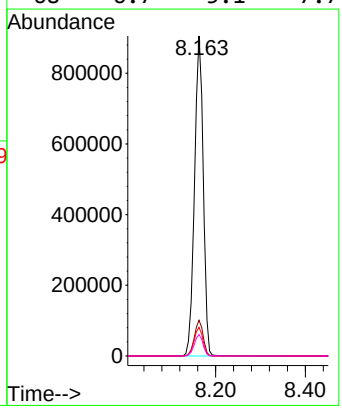


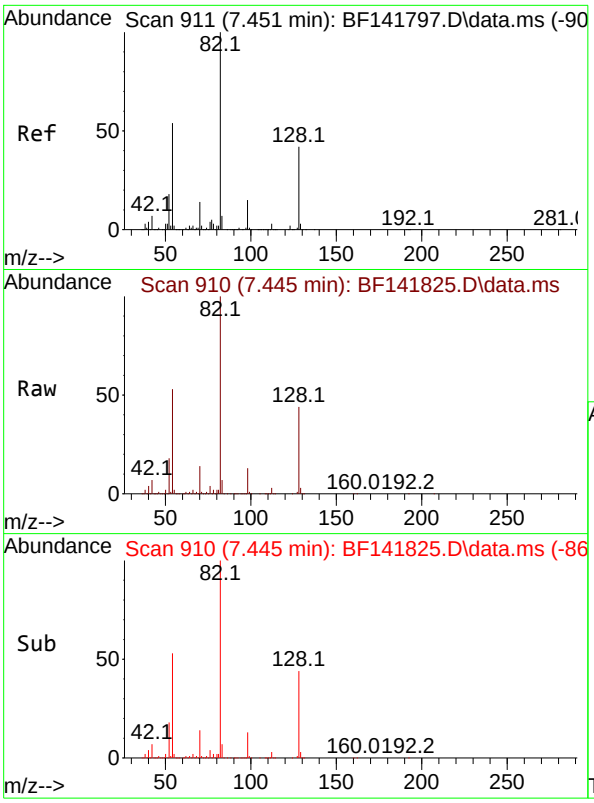


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:136 Resp: 1222403

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.9	6.9	10.3
68	6.7	5.1	7.7



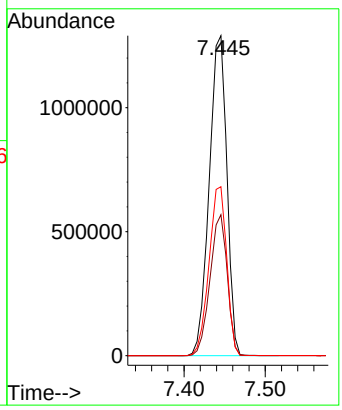


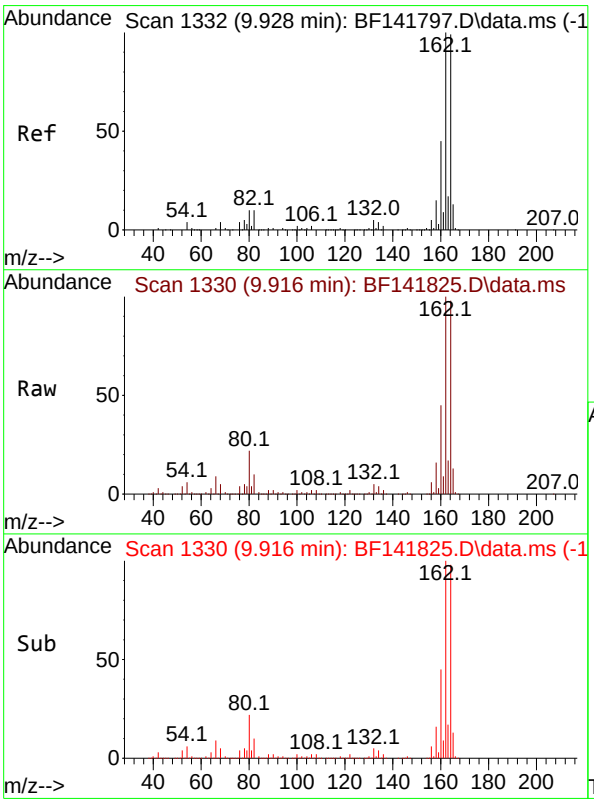
#23
Nitrobenzene-d5
Concen: 101.719 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Instrument :
BNA_F
ClientSampleId :
PB166957BL

Tgt Ion: 82 Resp: 1945265

Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.5	50.3
54	52.8	42.7	64.1

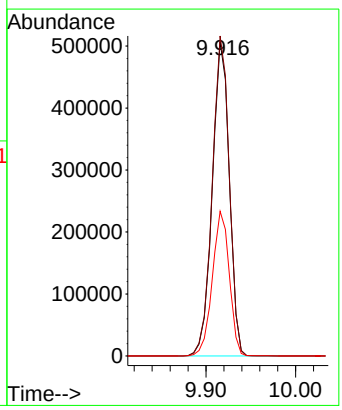


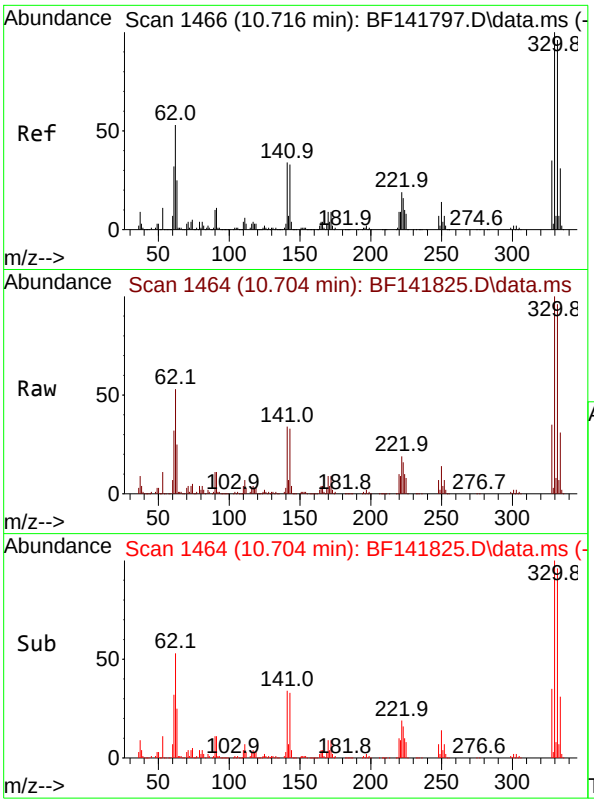


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:164 Resp: 667294

Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	120.8
160	46.0	36.3	54.5



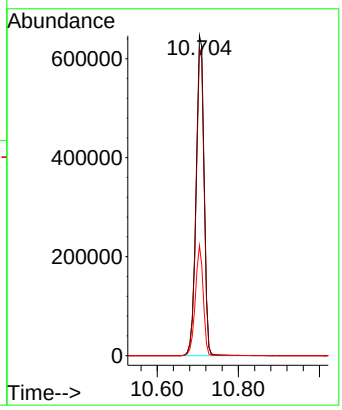


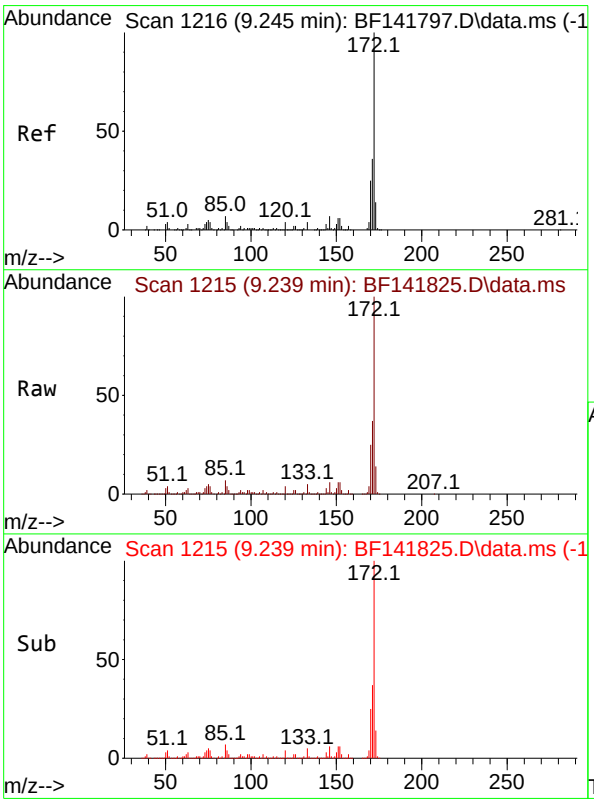
#42
2,4,6-Tribromophenol
Concen: 142.948 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Instrument :
BNA_F
ClientSampleId :
PB166957BL

Tgt Ion:330 Resp: 895521

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	33.9	29.0	43.4

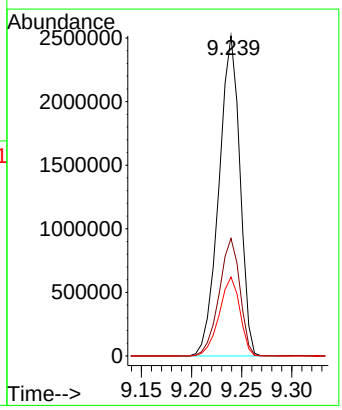


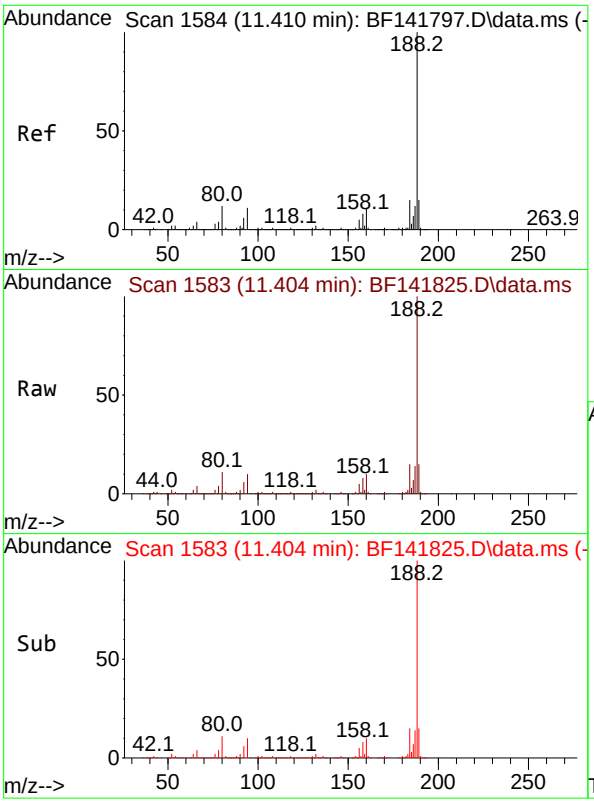


#45
2-Fluorobiphenyl
Concen: 87.837 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:172 Resp: 3655439

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.2	43.8
170	24.6	19.7	29.5



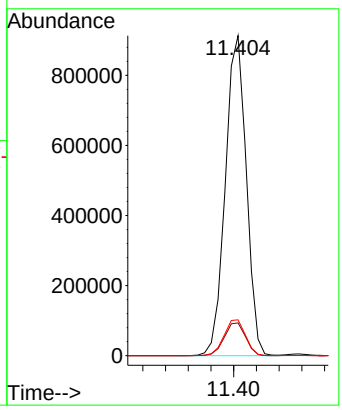


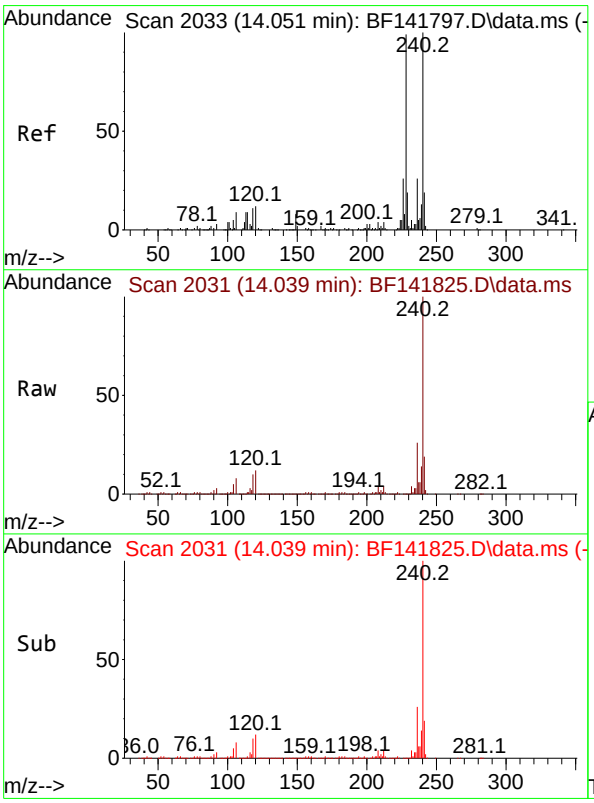
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Instrument :
BNA_F
ClientSampleId :
PB166957BL

Tgt Ion:188 Resp: 1172173

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.9	13.3
80	11.2	9.7	14.5

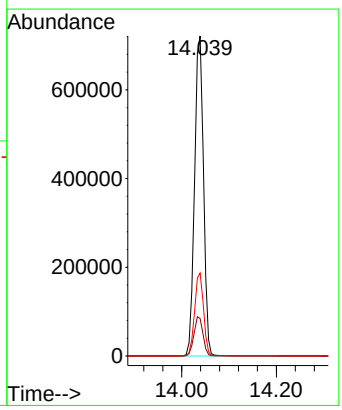


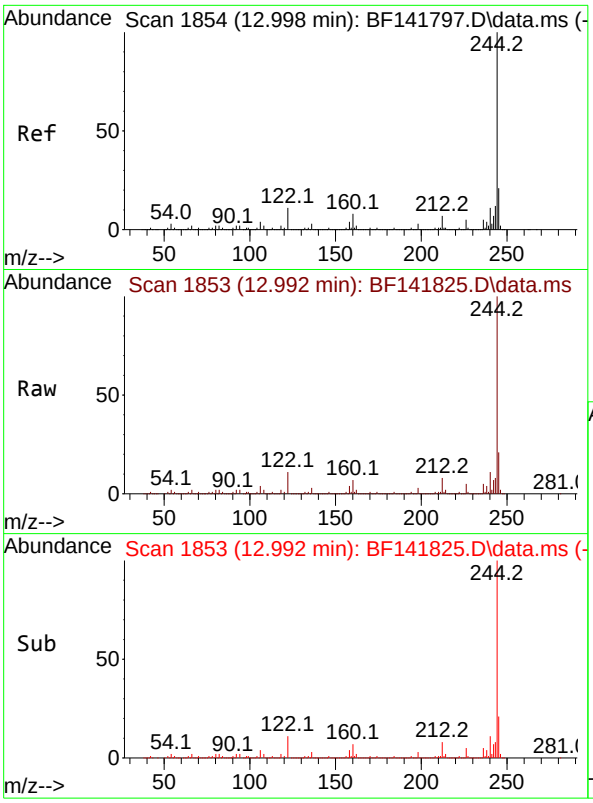


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:240 Resp: 949625

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.7	14.5
236	26.0	21.0	31.4



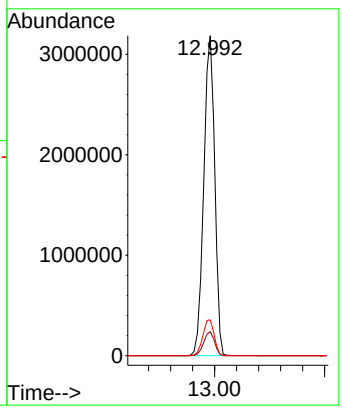


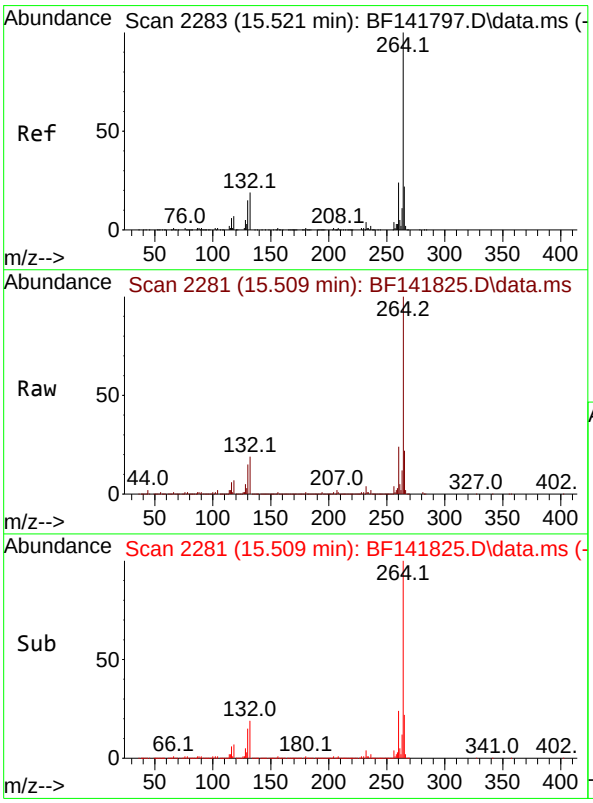
#79
Terphenyl-d14
Concen: 74.841 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Instrument :
BNA_F
ClientSampleId :
PB166957BL

Tgt Ion:244 Resp: 4392756

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.2	9.0	13.6

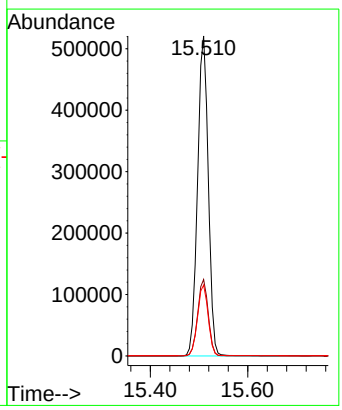




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:264 Resp: 798686

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.2	17.4	26.0



Sample Results: **BF141825.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141825.D
Acq On : 04 Mar 2025 14:15
Operator : RC/JU
Sample : PB166957BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166957BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141825.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.304	30	36	46	rVB	97038	175727	1.45%	0.253%
2	5.516	575	582	587	rBV	6158503	8787423	72.73%	12.662%
3	6.504	742	750	755	rBV	5773518	8822327	73.02%	12.713%
4	6.887	809	815	820	rBV	1467071	1879167	15.55%	2.708%
5	7.445	902	910	915	rBV	3849584	5813337	48.11%	8.377%
6	8.163	1025	1032	1037	rBV	1877477	2521176	20.87%	3.633%
7	9.239	1207	1215	1220	rBV	7684662	11094651	91.83%	15.987%
8	9.916	1322	1330	1335	rBV	2220245	2919367	24.16%	4.207%
9	10.704	1456	1464	1469	rBV	5122588	7023179	58.13%	10.120%
10	11.404	1575	1583	1588	rBV	2318567	2997849	24.81%	4.320%
11	12.992	1846	1853	1858	rBV	8752830	12082313	100.00%	17.410%
12	14.039	2025	2031	2036	rBV	1983555	2633715	21.80%	3.795%
13	15.510	2274	2281	2287	rBV	1427351	2206518	18.26%	3.179%
14	17.127	2550	2556	2576	rVB2	112504	441842	3.66%	0.637%

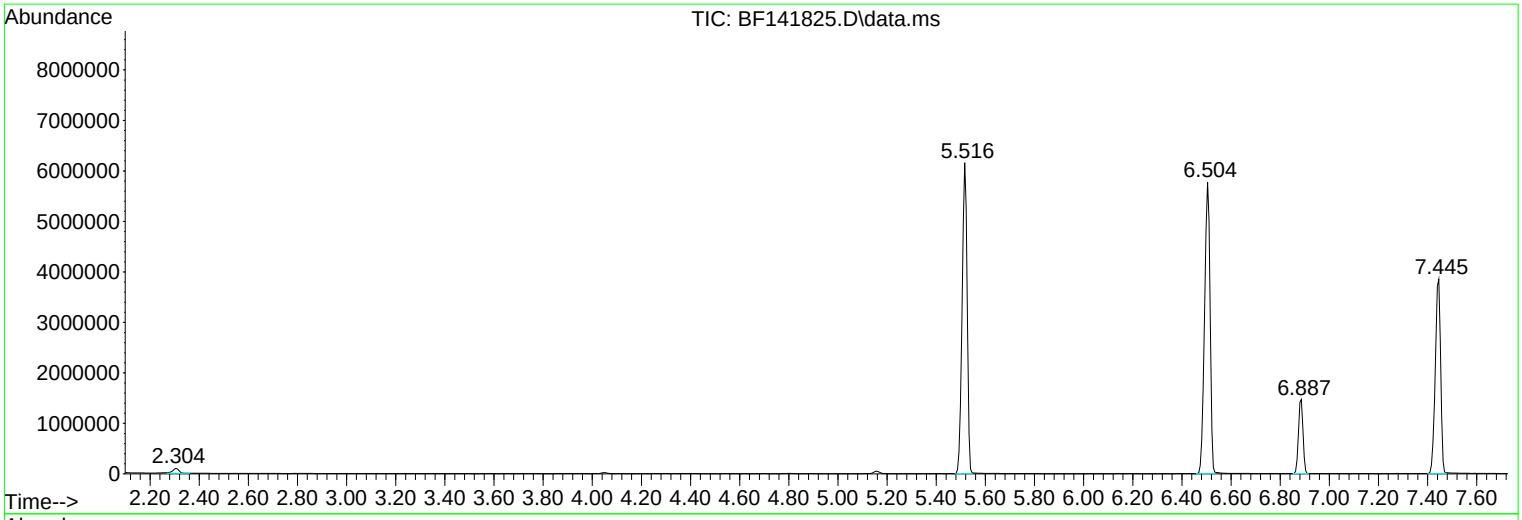
Sum of corrected areas: 69398591

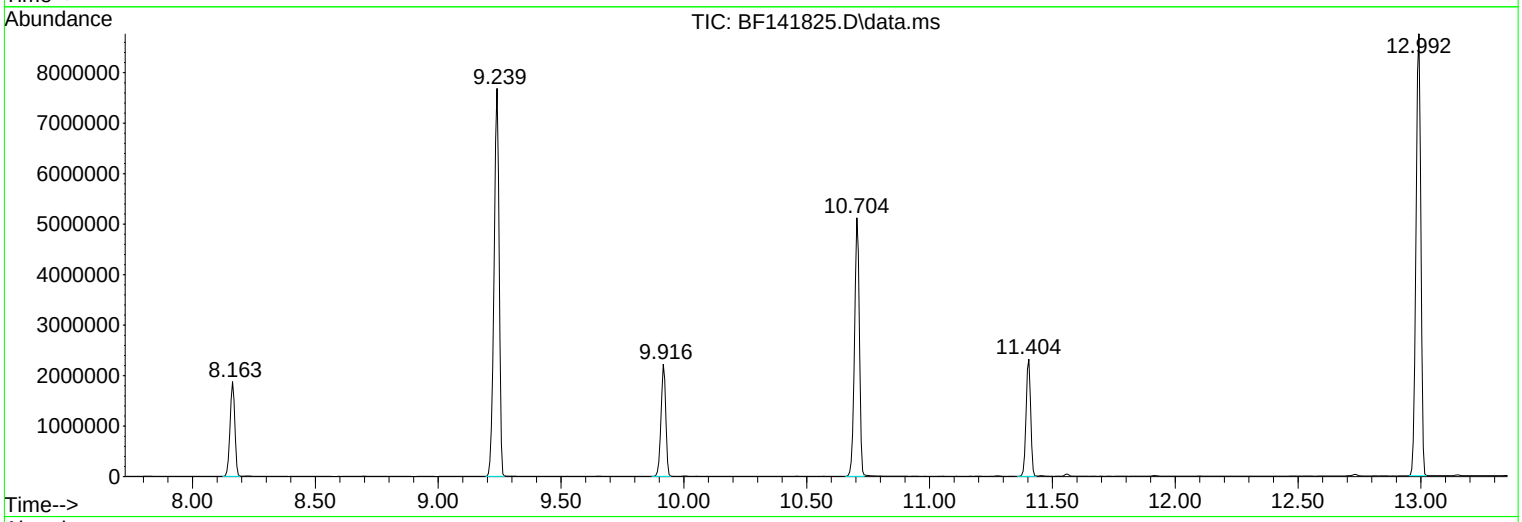
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141825.D
Acq On : 04 Mar 2025 14:15
Operator : RC/JU
Sample : PB166957BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

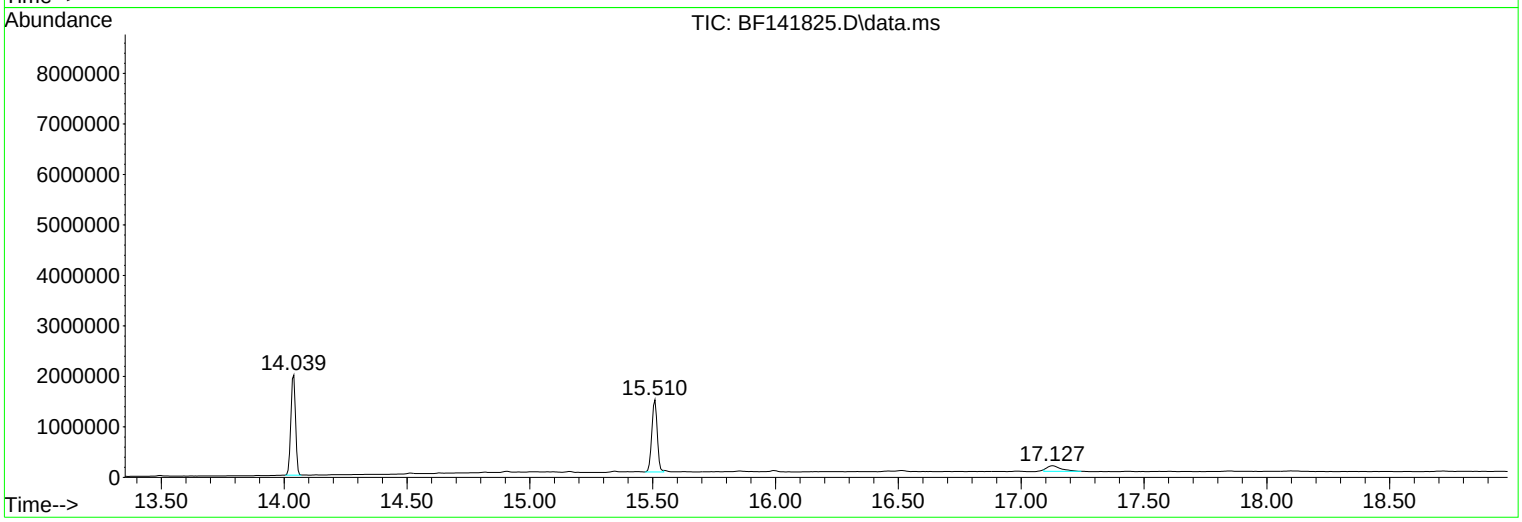
Instrument :
BNA_F
ClientSampleId :
PB166957BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141825.D
Acq On : 04 Mar 2025 14:15
Operator : RC/JU
Sample : PB166957BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166957BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

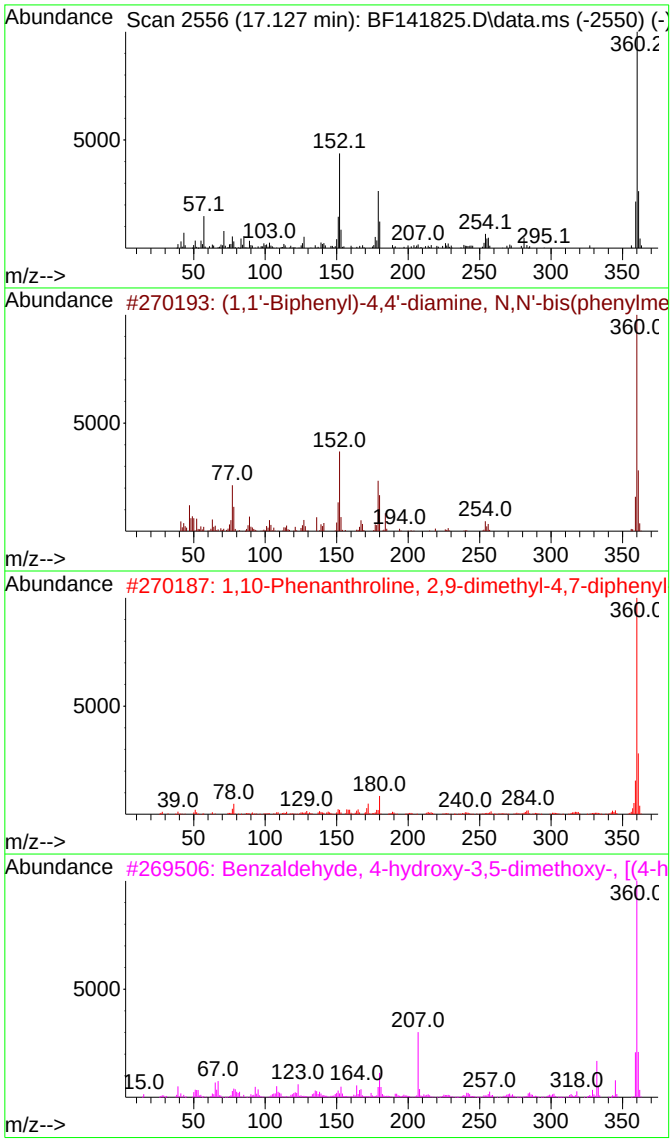
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

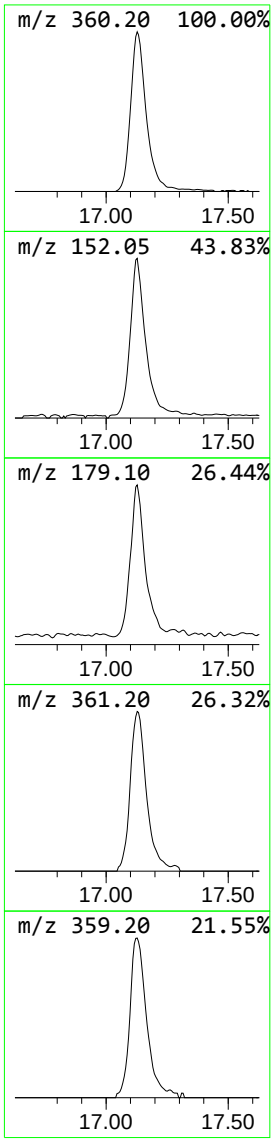
****

Peak Number 1 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.127	4.00 ng	441842	Perylene-d12	15.509

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	93
2	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	53
3	Benzaldehyde, 4-hydroxy-3,5-dime...	360	C18H20N2O6	014414-32-5	49
4	N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	46
5	Ethene, 1-(anthracen-9-yl)-2-(4-...	360	C27H20O	1000163-55-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141825.D
Acq On : 04 Mar 2025 14:15
Operator : RC/JU
Sample : PB166957BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166957BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(1,1'-Biphenyl)...	17.127	4.0	ng	441842	6	15.509	2206520	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141826.D
Acq On : 04 Mar 2025 14:44
Operator : RC/JU
Sample : PB166957BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 04 15:06:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166957BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	309118	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	1216990	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	647778	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	1070678	20.000	ng		0.00
76) Chrysene-d12	14.045	240	723159	20.000	ng		0.00
86) Perylene-d12	15.509	264	587091	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	2428234	125.449	ng		0.02
7) Phenol-d6	6.510	99	3110955	123.480	ng		0.00
23) Nitrobenzene-d5	7.445	82	1985045	104.261	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	891755	146.635	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	3638167	90.056	ng		0.00
79) Terphenyl-d14	12.992	244	3981121	89.069	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.810	88	343919	39.158	ng		99
3) Pyridine	3.563	79	850208	38.906	ng		99
4) n-Nitrosodimethylamine	3.504	42	451717	42.961	ng		94
6) Aniline	6.551	93	867546	33.122	ng		100
8) 2-Chlorophenol	6.669	128	900005	42.982	ng		98
9) Benzaldehyde	6.434	77	363128	24.779	ng		99
10) Phenol	6.522	94	1102271	40.943	ng		97
11) bis(2-Chloroethyl)ether	6.622	93	848479	41.346	ng		99
12) 1,3-Dichlorobenzene	6.828	146	927514	41.363	ng		100
13) 1,4-Dichlorobenzene	6.904	146	940287	41.616	ng		99
14) 1,2-Dichlorobenzene	7.057	146	908206	43.046	ng		99
15) Benzyl Alcohol	7.022	79	806132	40.036	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1285320	41.242	ng		99
17) 2-Methylphenol	7.134	107	738248	42.714	ng		99
18) Hexachloroethane	7.398	117	351592	41.576	ng		99
19) n-Nitroso-di-n-propyla...	7.298	70	648751	39.172	ng		98
20) 3+4-Methylphenols	7.287	107	897325	41.694	ng	#	82
22) Acetophenone	7.292	105	1326666	44.759	ng		97
24) Nitrobenzene	7.469	77	938224	46.018	ng		100
25) Isophorone	7.704	82	1752788	42.852	ng		100
26) 2-Nitrophenol	7.781	139	410123	45.311	ng		99
27) 2,4-Dimethylphenol	7.810	122	785686	52.255	ng		100
28) bis(2-Chloroethoxy)met...	7.916	93	1057325	40.523	ng		100
29) 2,4-Dichlorophenol	8.016	162	740307	42.679	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	793857	41.766	ng		99
31) Naphthalene	8.186	128	2527358	40.407	ng		100
32) Benzoic acid	7.934	122	600862	47.899	ng		97
33) 4-Chloroaniline	8.233	127	345693	15.073	ng		99
34) Hexachlorobutadiene	8.304	225	491553	41.617	ng		98
35) Caprolactam	8.604	113	261127m	48.936	ng		
36) 4-Chloro-3-methylphenol	8.710	107	794276	41.221	ng		98
37) 2-Methylnaphthalene	8.881	142	1606734	39.163	ng		100
38) 1-Methylnaphthalene	8.980	142	1574965	40.008	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	853302	45.610	ng		99
41) Hexachlorocyclopentadiene	9.033	237	1098585	140.707	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	538491	44.559	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141826.D
Acq On : 04 Mar 2025 14:44
Operator : RC/JU
Sample : PB166957BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 04 15:06:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166957BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	545918	45.619	ng		99
46) 1,1'-Biphenyl	9.345	154	2247408	45.581	ng		100
47) 2-Chloronaphthalene	9.369	162	1567251	43.066	ng		98
48) 2-Nitroaniline	9.457	65	478794	48.059	ng		99
49) Acenaphthylene	9.786	152	2419425	44.342	ng		100
50) Dimethylphthalate	9.645	163	1793109	41.335	ng		100
51) 2,6-Dinitrotoluene	9.704	165	381103	46.046	ng		95
52) Acenaphthene	9.957	154	1709248	46.426	ng		99
53) 3-Nitroaniline	9.869	138	240809	28.525	ng	#	97
54) 2,4-Dinitrophenol	9.975	184	397720	97.096	ng	#	1
55) Dibenzofuran	10.127	168	2159728	40.304	ng		100
56) 4-Nitrophenol	10.028	139	728478	113.699	ng		96
57) 2,4-Dinitrotoluene	10.104	165	516243	50.715	ng		98
58) Fluorene	10.469	166	1673154	41.684	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	453528	43.576	ng		99
60) Diethylphthalate	10.345	149	1736070	39.920	ng		100
61) 4-Chlorophenyl-phenyle...	10.463	204	820428	40.795	ng		99
62) 4-Nitroaniline	10.486	138	402567	54.340	ng		96
63) Azobenzene	10.622	77	1798212	39.271	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	251389	49.545	ng		99
66) n-Nitrosodiphenylamine	10.580	169	1482764	42.175	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	520971	41.658	ng		98
68) Hexachlorobenzene	11.016	284	562016	42.558	ng		99
69) Atrazine	11.104	200	560941	58.020	ng		98
70) Pentachlorophenol	11.210	266	730696	87.240	ng		100
71) Phenanthrene	11.433	178	2435929	42.534	ng		100
72) Anthracene	11.486	178	2486891	43.327	ng		100
73) Carbazole	11.633	167	2212995	43.660	ng		100
74) Di-n-butylphthalate	11.969	149	2543275	39.584	ng		100
75) Fluoranthene	12.616	202	2525462	43.036	ng		99
77) Benzidine	12.733	184	831114	91.311	ng		99
78) Pyrene	12.845	202	2573723	41.100	ng		100
80) Butylbenzylphthalate	13.463	149	1003521	44.108	ng		100
81) Benzo(a)anthracene	14.033	228	1997580	41.820	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	372226	27.161	ng		100
83) Chrysene	14.068	228	1825435	41.457	ng		100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1263650	44.606	ng		99
85) Di-n-octyl phthalate	14.633	149	1842435	43.441	ng		100
87) Indeno(1,2,3-cd)pyrene	17.004	276	1654234	44.250	ng		99
88) Benzo(b)fluoranthene	15.080	252	1687386	42.194	ng		100
89) Benzo(k)fluoranthene	15.110	252	1380109	40.603	ng		99
90) Benzo(a)pyrene	15.451	252	1432461	44.664	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	1316988	43.159	ng		99
92) Benzo(g,h,i)perylene	17.451	276	1291482	41.312	ng		99

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

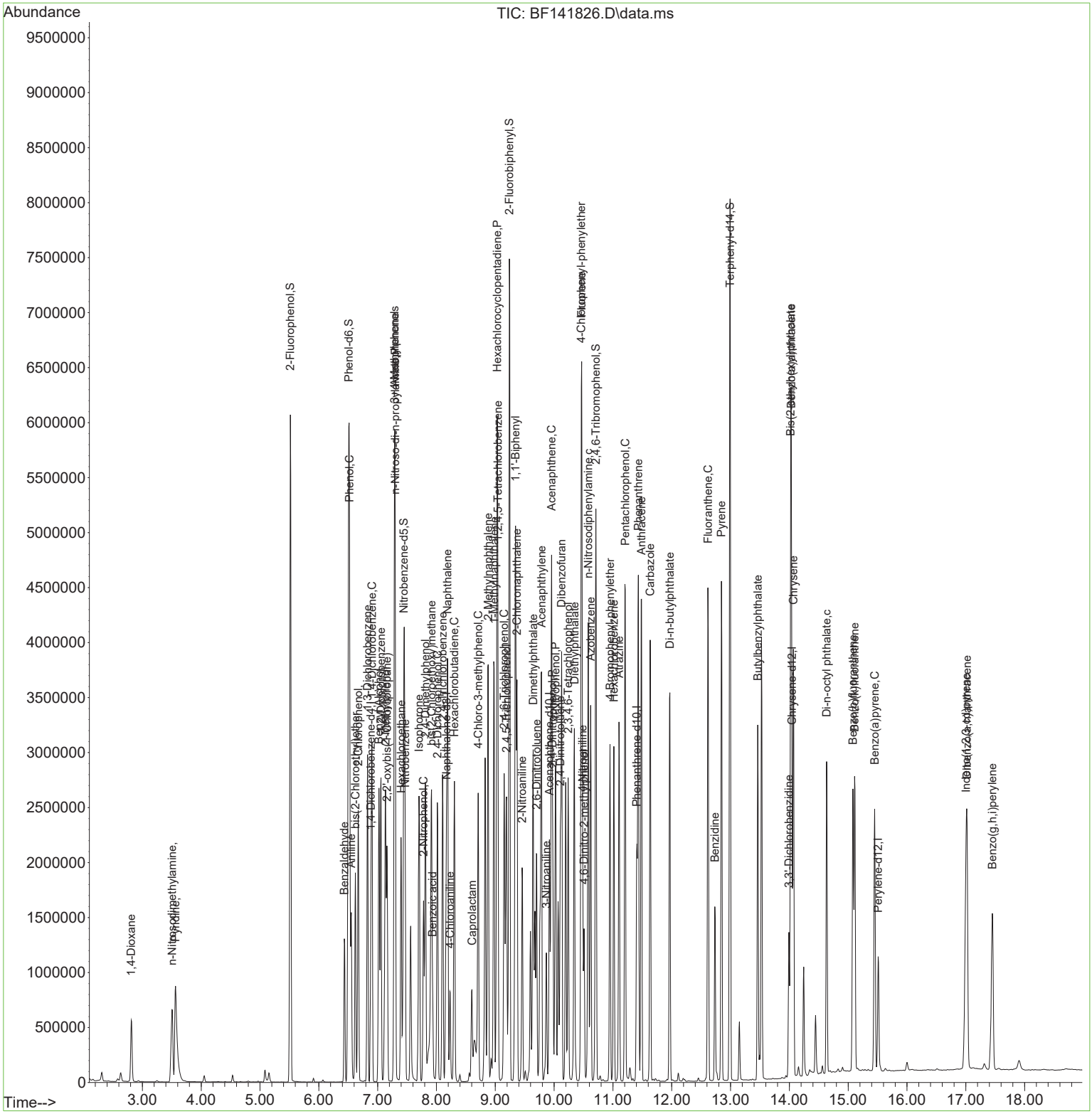
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141826.D
Acq On : 04 Mar 2025 14:44
Operator : RC/JU
Sample : PB166957BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 04 15:06:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166957BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141819.D
Acq On : 03 Mar 2025 18:16
Operator : RC/JU
Sample : Q1475-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 04 00:12:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/04/2025
Supervised By :Jagrut Upadhyay 03/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	111069	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	466588	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	292659	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	567711	20.000	ng		0.00
76) Chrysene-d12	14.051	240	381619	20.000	ng		0.00
86) Perylene-d12	15.527	264	352598	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	790128	113.607	ng		0.00
7) Phenol-d6	6.498	99	1046994	115.659	ng		-0.01
23) Nitrobenzene-d5	7.445	82	621192	85.100	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	368150	133.993	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1351607	74.053	ng		0.00
79) Terphenyl-d14	12.998	244	1830573	77.609	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.616	88	131727	41.742	ng		96
3) Pyridine	3.393	79	314690	40.078	ng		98
4) n-Nitrosodimethylamine	3.322	42	158771m	42.025	ng		
6) Aniline	6.545	93	245194	26.054	ng		99
8) 2-Chlorophenol	6.669	128	329092	43.742	ng		97
9) Benzaldehyde	6.434	77	124013	23.552	ng		99
10) Phenol	6.516	94	446333	46.141	ng		94
11) bis(2-Chloroethyl)ether	6.616	93	313865	42.566	ng		99
12) 1,3-Dichlorobenzene	6.828	146	346113	42.957	ng		99
13) 1,4-Dichlorobenzene	6.904	146	348203	42.891	ng		99
14) 1,2-Dichlorobenzene	7.057	146	336988	44.453	ng		99
15) Benzyl Alcohol	7.022	79	296892	41.037	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	483054	43.137	ng		97
17) 2-Methylphenol	7.128	107	275526	44.367	ng		99
18) Hexachloroethane	7.404	117	129709	42.688	ng		98
19) n-Nitroso-di-n-propyla...	7.292	70	249193	41.876	ng		98
20) 3+4-Methylphenols	7.281	107	368849	47.698	ng		95
22) Acetophenone	7.292	105	523320	46.051	ng	#	97
24) Nitrobenzene	7.463	77	359391	45.977	ng		99
25) Isophorone	7.704	82	675743	43.090	ng		100
26) 2-Nitrophenol	7.781	139	138674	40.499	ng		99
27) 2,4-Dimethylphenol	7.810	122	303781	52.698	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	402295	40.215	ng		99
29) 2,4-Dichlorophenol	8.016	162	296348	44.562	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	301771	41.411	ng		99
31) Naphthalene	8.192	128	1070374	44.635	ng		99
32) Benzoic acid	7.898	122	217073	45.579	ng		98
33) 4-Chloroaniline	8.234	127	144256	16.406	ng		98
34) Hexachlorobutadiene	8.310	225	179837	39.713	ng		98
35) Caprolactam	8.581	113	128944m	63.028	ng		
36) 4-Chloro-3-methylphenol	8.710	107	356381	48.241	ng		96
37) 2-Methylnaphthalene	8.881	142	727188	46.231	ng		99
38) 1-Methylnaphthalene	8.981	142	717379	47.532	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	369518	43.718	ng		99
41) Hexachlorocyclopentadiene	9.033	237	299195	84.821	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	233014	42.678	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141819.D
Acq On : 03 Mar 2025 18:16
Operator : RC/JU
Sample : Q1475-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 04 00:12:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/04/2025
Supervised By :Jagrut Upadhyay 03/04/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	9.192	196	260340	48.153	ng		98
46)	1,1'-Biphenyl	9.345	154	1030482	46.260	ng		99
47)	2-Chloronaphthalene	9.369	162	701548	42.670	ng		99
48)	2-Nitroaniline	9.457	65	223360	49.483	ng		99
49)	Acenaphthylene	9.786	152	1199203	48.648	ng		99
50)	Dimethylphthalate	9.639	163	836889	42.701	ng		100
51)	2,6-Dinitrotoluene	9.704	165	180021	48.014	ng		97
52)	Acenaphthene	9.957	154	1045381	62.849	ng		100
53)	3-Nitroaniline	9.869	138	157651	40.002	ng		98
54)	2,4-Dinitrophenol	9.975	184	152497	86.204	ng	#	1
55)	Dibenzofuran	10.128	168	1238567	51.160	ng		99
56)	4-Nitrophenol	10.022	139	400749	138.445	ng		99
57)	2,4-Dinitrotoluene	10.104	165	267822	57.713	ng		98
58)	Fluorene	10.475	166	1178302	64.976	ng		100
59)	2,3,4,6-Tetrachlorophenol	10.245	232	237587	50.528	ng		98
60)	Diethylphthalate	10.345	149	886191	45.104	ng		99
61)	4-Chlorophenyl-phenyle...	10.463	204	408016	44.907	ng		98
62)	4-Nitroaniline	10.480	138	212905	63.611	ng		95
63)	Azobenzene	10.627	77	1091361	52.755	ng		88
65)	4,6-Dinitro-2-methylph...	10.510	198	105351	40.862	ng		94
66)	n-Nitrosodiphenylamine	10.580	169	789648	42.359	ng		98
67)	4-Bromophenyl-phenylether	10.957	248	269414	40.629	ng		98
68)	Hexachlorobenzene	11.022	284	299291	42.742	ng		99
69)	Atrazine	11.110	200	312250	60.911	ng		99
70)	Pentachlorophenol	11.210	266	393328	88.566	ng		100
71)	Phenanthrene	11.439	178	3880123	127.775	ng		98
72)	Anthracene	11.492	178	2336827	76.782	ng		100
73)	Carbazole	11.639	167	1701875	63.323	ng		100
74)	Di-n-butylphthalate	11.974	149	1549577	45.486	ng		99
75)	Fluoranthene	12.627	202	4549513	146.212	ng		98
77)	Benzidine	12.745	184	565563	117.747	ng		99
78)	Pyrene	12.857	202	3986724	120.642	ng		96
80)	Butylbenzylphthalate	13.474	149	593087	49.398	ng		98
81)	Benzo(a)anthracene	14.045	228	2752621	109.202	ng		98
82)	3,3'-Dichlorobenzidine	14.004	252	187817	25.971	ng		99
83)	Chrysene	14.080	228	2143918	92.267	ng		98
84)	Bis(2-ethylhexyl)phtha...	14.033	149	795583	53.218	ng		100
85)	Di-n-octyl phthalate	14.645	149	1273243	56.889	ng		99
87)	Indeno(1,2,3-cd)pyrene	17.021	276	1333661	59.400	ng		97
88)	Benzo(b)fluoranthene	15.098	252	2511913	104.584	ng		98
89)	Benzo(k)fluoranthene	15.121	252	1193741m	58.476	ng		
90)	Benzo(a)pyrene	15.468	252	1810170	93.976	ng		98
91)	Dibenzo(a,h)anthracene	17.039	278	836480	45.642	ng		99
92)	Benzo(g,h,i)perylene	17.474	276	1057963	56.349	ng		99

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

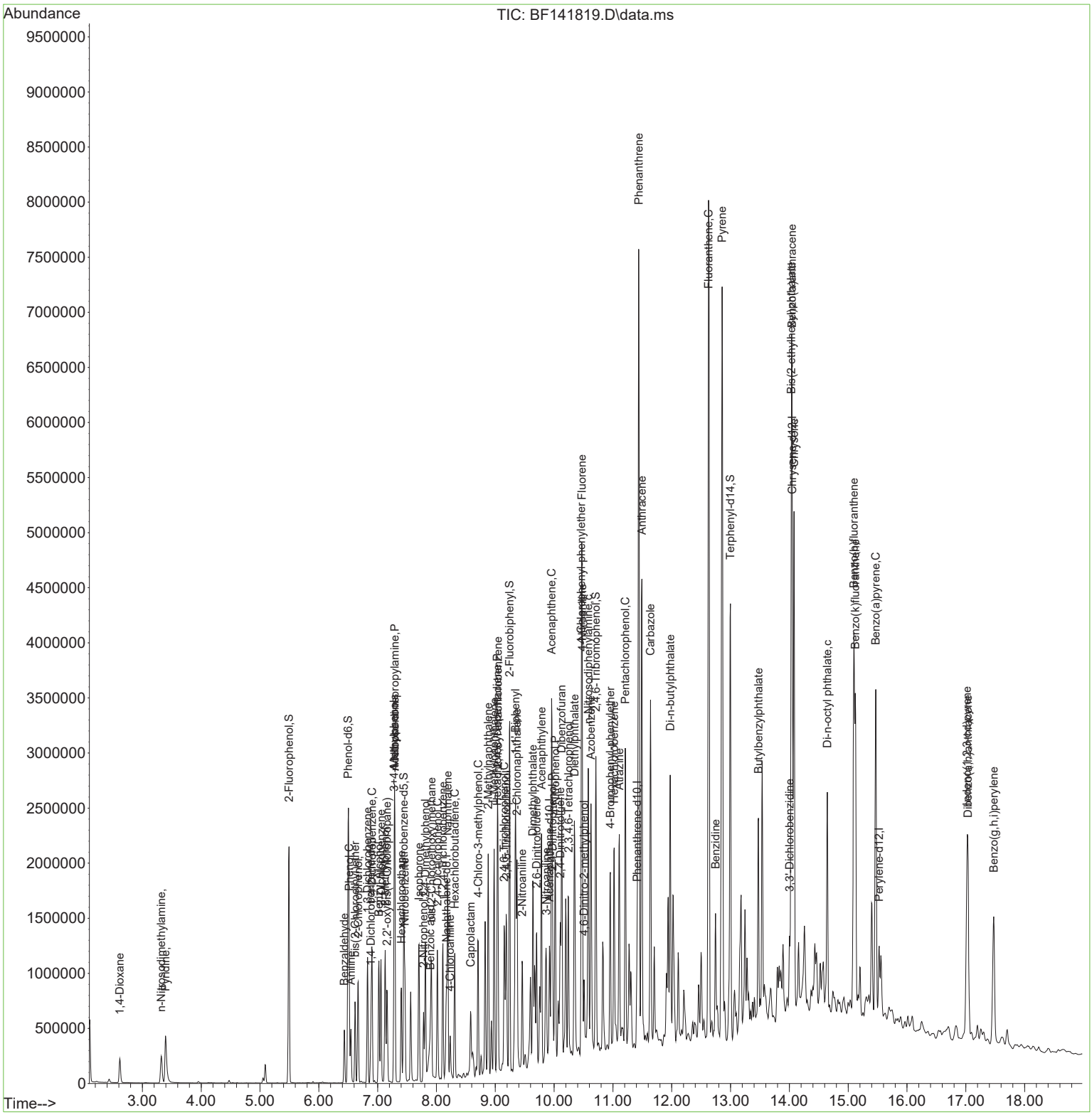
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141819.D
Acq On : 03 Mar 2025 18:16
Operator : RC/JU
Sample : Q1475-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 04 00:12:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/04/2025
Supervised By :Jagrut Upadhyay 03/04/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141820.D
Acq On : 03 Mar 2025 18:45
Operator : RC/JU
Sample : Q1475-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 04 00:13:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/04/2025
Supervised By :Jagrut Upadhyay 03/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	110601	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	472405	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	295427	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	545054	20.000	ng	0.00
76) Chrysene-d12	14.057	240	364367	20.000	ng	0.00
86) Perylene-d12	15.527	264	325863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	815896	117.809	ng	0.00
7) Phenol-d6	6.498	99	1078485	119.642	ng	-0.01
23) Nitrobenzene-d5	7.445	82	665051	89.987	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	377774	136.207	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1406930	76.362	ng	0.00
79) Terphenyl-d14	12.998	244	1843944	81.878	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.622	88	131982	41.999	ng	98
3) Pyridine	3.399	79	317118	40.559	ng	100
4) n-Nitrosodimethylamine	3.322	42	160981m	42.790	ng	
6) Aniline	6.546	93	240050	25.615	ng	100
8) 2-Chlorophenol	6.669	128	343798	45.890	ng	98
9) Benzaldehyde	6.434	77	127463	24.309	ng	100
10) Phenol	6.516	94	457969	47.544	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	323506	44.059	ng	99
12) 1,3-Dichlorobenzene	6.828	146	356948	44.490	ng	99
13) 1,4-Dichlorobenzene	6.904	146	358427	44.337	ng	99
14) 1,2-Dichlorobenzene	7.057	146	349753	46.332	ng	97
15) Benzyl Alcohol	7.022	79	307475	42.680	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	499260	44.773	ng	97
17) 2-Methylphenol	7.128	107	289987	46.893	ng	99
18) Hexachloroethane	7.404	117	133353	44.073	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	256742	43.327	ng	97
20) 3+4-Methylphenols	7.281	107	385146	50.017	ng	98
22) Acetophenone	7.293	105	543135	47.207	ng	98
24) Nitrobenzene	7.463	77	377448	47.692	ng	99
25) Isophorone	7.704	82	706853	44.519	ng	100
26) 2-Nitrophenol	7.781	139	151460	43.330	ng	97
27) 2,4-Dimethylphenol	7.816	122	319502	54.742	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	418550	41.325	ng	99
29) 2,4-Dichlorophenol	8.016	162	316178	46.958	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	323179	43.803	ng	98
31) Naphthalene	8.192	128	1119771	46.120	ng	99
32) Benzoic acid	7.898	122	244327	49.810	ng	99
33) 4-Chloroaniline	8.234	127	153722	17.267	ng	99
34) Hexachlorobutadiene	8.310	225	190488	41.548	ng	97
35) Caprolactam	8.587	113	135612m	65.471	ng	
36) 4-Chloro-3-methylphenol	8.710	107	371626	49.685	ng	96
37) 2-Methylnaphthalene	8.881	142	763209	47.924	ng	99
38) 1-Methylnaphthalene	8.981	142	743009	48.624	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	382857	44.872	ng	99
41) Hexachlorocyclopentadiene	9.034	237	265844	74.660	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	251773	45.681	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141820.D
Acq On : 03 Mar 2025 18:45
Operator : RC/JU
Sample : Q1475-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 04 00:13:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/04/2025
Supervised By :Jagrut Upadhyay 03/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	260124	47.662	ng		99
46) 1,1'-Biphenyl	9.345	154	1073962	47.760	ng		99
47) 2-Chloronaphthalene	9.369	162	741119	44.654	ng		97
48) 2-Nitroaniline	9.463	65	236394	51.670	ng		97
49) Acenaphthylene	9.787	152	1232367	49.525	ng		99
50) Dimethylphthalate	9.645	163	870106	43.980	ng		99
51) 2,6-Dinitrotoluene	9.704	165	190057	50.087	ng		97
52) Acenaphthene	9.957	154	1068759	63.653	ng		100
53) 3-Nitroaniline	9.869	138	162885	40.874	ng	#	96
54) 2,4-Dinitrophenol	9.975	184	142970	81.667	ng	#	9
55) Dibenzofuran	10.134	168	1272025	52.050	ng		98
56) 4-Nitrophenol	10.022	139	408817	139.909	ng		98
57) 2,4-Dinitrotoluene	10.104	165	273781	58.400	ng		99
58) Fluorene	10.475	166	1187140	64.850	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	244933	51.602	ng		99
60) Diethylphthalate	10.345	149	900702	45.413	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	419858	45.777	ng		99
62) 4-Nitroaniline	10.481	138	210583	62.328	ng		95
63) Azobenzene	10.628	77	1105808	52.953	ng		89
65) 4,6-Dinitro-2-methylph...	10.510	198	102050	41.155	ng		96
66) n-Nitrosodiphenylamine	10.581	169	802757	44.853	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	274340	43.092	ng		98
68) Hexachlorobenzene	11.022	284	294663	43.830	ng		100
69) Atrazine	11.110	200	313116	63.618	ng		99
70) Pentachlorophenol	11.216	266	394143	92.439	ng		100
71) Phenanthrene	11.439	178	3866700	132.626	ng		99
72) Anthracene	11.492	178	2295577	78.562	ng		100
73) Carbazole	11.639	167	1695666	65.715	ng		100
74) Di-n-butylphthalate	11.975	149	1535009	46.931	ng		99
75) Fluoranthene	12.633	202	4553566	152.425	ng		98
77) Benzidine	12.745	184	577625	125.952	ng		99
78) Pyrene	12.857	202	3929924	124.554	ng		96
80) Butylbenzylphthalate	13.475	149	591936	51.636	ng		98
81) Benzo(a)anthracene	14.045	228	2686577	111.629	ng		98
82) 3,3'-Dichlorobenzidine	14.004	252	201094	29.123	ng		99
83) Chrysene	14.080	228	2156229	97.191	ng		98
84) Bis(2-ethylhexyl)phtha...	14.033	149	799872	56.038	ng		100
85) Di-n-octyl phthalate	14.645	149	1237973	57.932	ng		99
87) Indeno(1,2,3-cd)pyrene	17.027	276	1274356	61.415	ng		97
88) Benzo(b)fluoranthene	15.098	252	2307739	103.967	ng		98
89) Benzo(k)fluoranthene	15.127	252	1240064m	65.729	ng		
90) Benzo(a)pyrene	15.468	252	1736263	97.534	ng		98
91) Dibenzo(a,h)anthracene	17.045	278	800626	47.270	ng		98
92) Benzo(g,h,i)perylene	17.480	276	1009379	58.172	ng		99

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

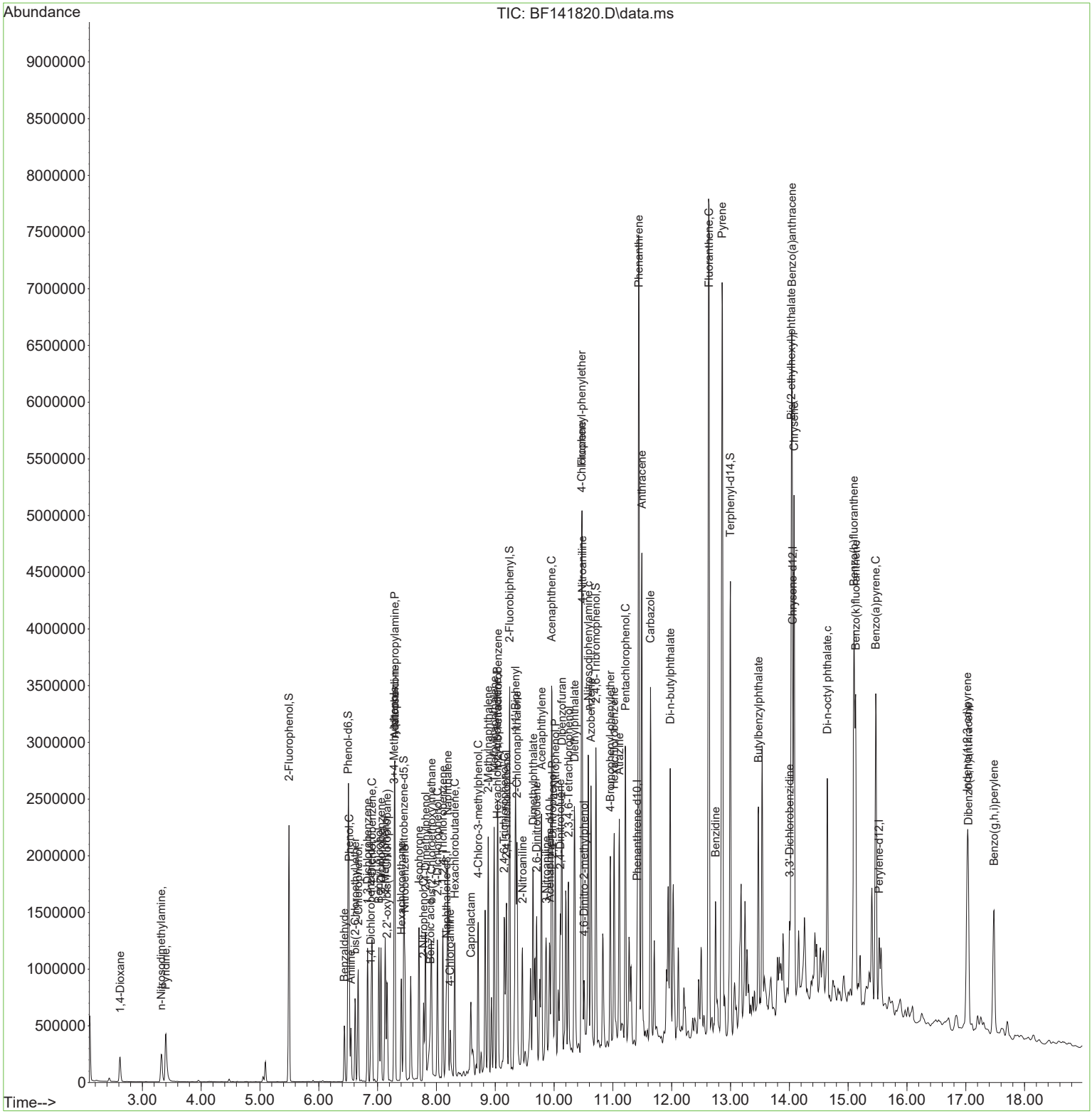
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141820.D
Acq On : 03 Mar 2025 18:45
Operator : RC/JU
Sample : Q1475-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 04 00:13:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/04/2025
Supervised By :Jagrut Upadhyay 03/04/2025



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

Manual Integration Report

Sequence:	BF022725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF141794.D	Aniline	yogesh	2/28/2025 7:30:31 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC005	BF141794.D	Phenol	yogesh	2/28/2025 7:30:31 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC010	BF141795.D	Phenol	yogesh	2/28/2025 7:30:34 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC020	BF141796.D	Phenol	yogesh	2/28/2025 7:30:37 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICCC040	BF141797.D	Caprolactam	yogesh	2/28/2025 7:30:40 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC080	BF141800.D	Aniline	yogesh	2/28/2025 7:30:43 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC080	BF141800.D	Phenol	yogesh	2/28/2025 7:30:43 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF030325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1475-01MS	BF141819.D	Benzo(k)fluoranthene	anahy	3/4/2025 9:45:27 AM	Jagrut	3/4/2025 5:07:50 PM	Peak Integrated by Software
Q1475-01MS	BF141819.D	Caprolactam	anahy	3/4/2025 9:45:27 AM	Jagrut	3/4/2025 5:07:50 PM	Peak Integrated by Software
Q1475-01MS	BF141819.D	n-Nitrosodimethylamine	anahy	3/4/2025 9:45:27 AM	Jagrut	3/4/2025 5:07:50 PM	Peak Integrated by Software
Q1475-01MSD	BF141820.D	Benzo(k)fluoranthene	anahy	3/4/2025 9:46:23 AM	Jagrut	3/4/2025 5:07:54 PM	Peak Integrated by Software
Q1475-01MSD	BF141820.D	Caprolactam	anahy	3/4/2025 9:46:23 AM	Jagrut	3/4/2025 5:07:54 PM	Peak Integrated by Software
Q1475-01MSD	BF141820.D	n-Nitrosodimethylamine	anahy	3/4/2025 9:46:23 AM	Jagrut	3/4/2025 5:07:54 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF030425	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141824.D	Benzoic acid	anahy	3/5/2025 8:39:07 AM	Jagrut	3/5/2025 9:27:37 AM	Peak Integrated by Software
PB166957BS	BF141826.D	Caprolactam	anahy	3/5/2025 8:39:58 AM	Jagrut	3/5/2025 9:27:33 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM		
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM		
SubDirectory	BF022725	HP Acquire Method	BNA_F	HP Processing Method	bf022725

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141792.D	27 Feb 2025 14:47	RC/JU	Ok
2	SSTDICC2.5	BF141793.D	27 Feb 2025 15:17	RC/JU	Ok
3	SSTDICC005	BF141794.D	27 Feb 2025 15:46	RC/JU	Ok,M
4	SSTDICC010	BF141795.D	27 Feb 2025 16:16	RC/JU	Ok,M
5	SSTDICC020	BF141796.D	27 Feb 2025 16:46	RC/JU	Ok,M
6	SSTDICCC040	BF141797.D	27 Feb 2025 17:16	RC/JU	Ok,M
7	SSTDICC050	BF141798.D	27 Feb 2025 17:46	RC/JU	Ok
8	SSTDICC060	BF141799.D	27 Feb 2025 18:15	RC/JU	Ok
9	SSTDICC080	BF141800.D	27 Feb 2025 18:45	RC/JU	Ok,M
10	SSTDICV040	BF141801.D	27 Feb 2025 19:45	RC/JU	Ok
11	PB166879TB	BF141802.D	27 Feb 2025 20:44	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030325

Review By	anahy	Review On	3/4/2025 8:38:41 AM				
Supervise By	Jagrut	Supervise On	3/4/2025 5:08:09 PM				
SubDirectory	BF030325	HP Acquire Method	BNA_F		HP Processing Method	bf022725	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141810.D	03 Mar 2025 13:47	RC/JU	Ok
2	SSTDCCC040	BF141811.D	03 Mar 2025 14:16	RC/JU	Ok
3	PB166948BL	BF141812.D	03 Mar 2025 14:46	RC/JU	Ok
4	PB166948BS	BF141813.D	03 Mar 2025 15:15	RC/JU	Ok,M
5	PB166927TB	BF141814.D	03 Mar 2025 15:44	RC/JU	Ok
6	Q1458-03	BF141815.D	03 Mar 2025 16:19	RC/JU	Ok
7	Q1458-03MS	BF141816.D	03 Mar 2025 16:48	RC/JU	Ok,M
8	Q1458-03MSD	BF141817.D	03 Mar 2025 17:17	RC/JU	Ok,M
9	Q1475-01	BF141818.D	03 Mar 2025 17:47	RC/JU	Dilution
10	Q1475-01MS	BF141819.D	03 Mar 2025 18:16	RC/JU	Ok,M
11	Q1475-01MSD	BF141820.D	03 Mar 2025 18:45	RC/JU	Ok,M
12	Q1447-01	BF141821.D	03 Mar 2025 19:14	RC/JU	Ok
13	Q1474-01	BF141822.D	03 Mar 2025 19:44	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030425

Review By	anahy	Review On	3/5/2025 8:53:33 AM		
Supervise By	Jagrut	Supervise On	3/5/2025 9:27:47 AM		
SubDirectory	BF030425	HP Acquire Method	BNA_F	HP Processing Method	bf022725

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141823.D	04 Mar 2025 13:16	RC/JU	Ok
2	SSTDCCC040	BF141824.D	04 Mar 2025 13:46	RC/JU	Ok,M
3	PB166957BL	BF141825.D	04 Mar 2025 14:15	RC/JU	Ok
4	PB166957BS	BF141826.D	04 Mar 2025 14:44	RC/JU	Ok,M
5	Q1480-25	BF141827.D	04 Mar 2025 15:19	RC/JU	Ok
6	Q1480-25MS	BF141828.D	04 Mar 2025 15:48	RC/JU	Ok,M
7	Q1480-25MSD	BF141829.D	04 Mar 2025 16:17	RC/JU	Ok,M
8	Q1480-17	BF141830.D	04 Mar 2025 16:47	RC/JU	Dilution
9	Q1480-01	BF141831.D	04 Mar 2025 17:16	RC/JU	Dilution
10	Q1475-01DL	BF141832.D	04 Mar 2025 17:46	RC/JU	Ok,M
11	Q1480-09	BF141833.D	04 Mar 2025 18:15	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM		
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM		
SubDirectory	BF022725	HP Acquire Method	BNA_F	HP Processing Method	bf022725

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141792.D	27 Feb 2025 14:47		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141793.D	27 Feb 2025 15:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141794.D	27 Feb 2025 15:46	Compound #32,54,65,77 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF141795.D	27 Feb 2025 16:16	Compound #26,32,48,51,53,57,65 Kept on LR and Compound #54 Kept on QR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141796.D	27 Feb 2025 16:46	The Calibration is Fail for Com#77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141797.D	27 Feb 2025 17:16	The Calibration is Good For 8270E, 8270 DOD Except com#77 and 625.1 Method Except for Com#77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF141798.D	27 Feb 2025 17:46		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF141799.D	27 Feb 2025 18:15		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141800.D	27 Feb 2025 18:45	Compound #69 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF022725	BF141801.D	27 Feb 2025 19:45	ICV Fail for Com#56,62,77 for DOD and ICV Fail for Com#77 for NON- DOD	RC/JU	Ok
11	PB166879TB	PB166879TB	BF141802.D	27 Feb 2025 20:44		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030325

Review By	anahy	Review On	3/4/2025 8:38:41 AM		
Supervise By	Jagrut	Supervise On	3/4/2025 5:08:09 PM		
SubDirectory	BF030325	HP Acquire Method	BNA_F	HP Processing Method	bf022725

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141810.D	03 Mar 2025 13:47		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141811.D	03 Mar 2025 14:16		RC/JU	Ok
3	PB166948BL	PB166948BL	BF141812.D	03 Mar 2025 14:46		RC/JU	Ok
4	PB166948BS	PB166948BS	BF141813.D	03 Mar 2025 15:15		RC/JU	Ok,M
5	PB166927TB	PB166927TB	BF141814.D	03 Mar 2025 15:44		RC/JU	Ok
6	Q1458-03	SP-SOIL	BF141815.D	03 Mar 2025 16:19	Internal Standard Fail	RC/JU	Ok
7	Q1458-03MS	SP-SOILMS	BF141816.D	03 Mar 2025 16:48	Internal Standard Fail	RC/JU	Ok,M
8	Q1458-03MSD	SP-SOILMSD	BF141817.D	03 Mar 2025 17:17	Internal Standard Fail	RC/JU	Ok,M
9	Q1475-01	TR-04-02282025	BF141818.D	03 Mar 2025 17:47	Internal Standard Fail, Need 5x Dilution	RC/JU	Dilution
10	Q1475-01MS	TR-04-02282025MS	BF141819.D	03 Mar 2025 18:16	Internal Standard Fail	RC/JU	Ok,M
11	Q1475-01MSD	TR-04-02282025MSD	BF141820.D	03 Mar 2025 18:45	Internal Standard Fail	RC/JU	Ok,M
12	Q1447-01	WC1	BF141821.D	03 Mar 2025 19:14	Internal Standard Fail	RC/JU	Ok
13	Q1474-01	BU-03-02282025	BF141822.D	03 Mar 2025 19:44	Internal Standard Fail	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030425

Review By	anahy	Review On	3/5/2025 8:53:33 AM		
Supervise By	Jagrut	Supervise On	3/5/2025 9:27:47 AM		
SubDirectory	BF030425	HP Acquire Method	BNA_F	HP Processing Method	bf022725

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141823.D	04 Mar 2025 13:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141824.D	04 Mar 2025 13:46		RC/JU	Ok,M
3	PB166957BL	PB166957BL	BF141825.D	04 Mar 2025 14:15		RC/JU	Ok
4	PB166957BS	PB166957BS	BF141826.D	04 Mar 2025 14:44		RC/JU	Ok,M
5	Q1480-25	TP-4	BF141827.D	04 Mar 2025 15:19		RC/JU	Ok
6	Q1480-25MS	TP-4MS	BF141828.D	04 Mar 2025 15:48		RC/JU	Ok,M
7	Q1480-25MSD	TP-4MSD	BF141829.D	04 Mar 2025 16:17		RC/JU	Ok,M
8	Q1480-17	TP-3	BF141830.D	04 Mar 2025 16:47	Need 2X Dilution	RC/JU	Dilution
9	Q1480-01	TP-1	BF141831.D	04 Mar 2025 17:16	Need further 5X Dilution	RC/JU	Dilution
10	Q1475-01DL	TR-04-02282025DL	BF141832.D	04 Mar 2025 17:46		RC/JU	Ok,M
11	Q1480-09	TP-2	BF141833.D	04 Mar 2025 18:15		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166957

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 : 03/03/2025

Extraction Start Time : 13:15

Extraction End Date : 03/03/2025

Extraction End Time : 16:15

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
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	EP2590
Methylene Chloride	N/A	E3878
Sand	N/A	E2865
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

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/3/25	RS (Bit-Lab)	RC/SVOC
16:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166957

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/03/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166957BL	SBLK957	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U2-6
PB166957BS	SLCS957	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U3-1
Q1447-01	WC1	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	B		2
Q1474-01	BU-03-02282025	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		3
Q1475-01	TR-04-02282025	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		4
Q1475-01MS	TR-04-02282025MS	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		5
Q1475-01MSD	TR-04-02282025MSD	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		6

RS 3/3

* **Extracts relinguished on the same date as received.**

Q1447 Q466957 13:15

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1447BN **WorkList ID :** 187988 **Department :** Extraction **Date :** 03-03-2025 13:09:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1447-01	WC1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GENV01	H33	02/23/2025	8270E
Q1474-01	BU-03-02282025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	H31	02/28/2025	8270E
Q1475-01	TR-04-02282025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	H31	02/28/2025	8270E

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Date/Time 3/3/25 13:10
Raw Sample Received by: RJ (Ext-lab)
Raw Sample Relinquished by: [signature]

Date/Time 3/3/25 13:30
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (Ext-lab)

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LAB CHRONICLE

OrderID:	Q1447	**OrderDate:**	2/26/2025 2:32:53 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	H31,H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1447-01	**WC1**	**SOIL**			**02/23/25**			**02/26/25**
			SVOC-TCL BNA -20	8270E		03/03/25	03/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1447 **Order ID:** Q1447

Client: G Environmental **Project ID:** Nelson

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC1								
Q1447-01	WC1	SOIL	Aroclor-1260	54.4		3.10	18.4	ug/kg
			Total Concentration:	**54.400**				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	92.4 Decanted:
Sample Wt/Vol:	30.06 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
PO109545.D	1	02/27/25 09:56	02/27/25 22:39	PB166892

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.4	ug/kg
11104-28-2	Aroclor-1221	6.90	U	6.90	18.4	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.4	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.4	ug/kg
12672-29-6	Aroclor-1248	8.50	U	8.50	18.4	ug/kg
11097-69-1	Aroclor-1254	2.90	U	2.90	18.4	ug/kg
37324-23-5	Aroclor-1262	4.90	U	4.90	18.4	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.4	ug/kg
11096-82-5	Aroclor-1260	54.4		3.10	18.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11.4		30 (32) - 150 (144)	57%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.0		30 (32) - 150 (175)	55%	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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1447

Client: G Environmental

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO109425.D	PIBLK-PO109425.D	Tetrachloro-m-xylene	1	20	25.3	126		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	25.3	126		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	24.1	121		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	25.5	127		70 (60)	130 (140)
I.BLK-PO109522.D	PIBLK-PO109522.D	Tetrachloro-m-xylene	1	20	16.1	80		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	15.6	78		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	16.9	84		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	17.7	89		70 (60)	130 (140)
PB166892BL	PB166892BL	Tetrachloro-m-xylene	1	20	22.0	110		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.8	104		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.9	110		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	24.2	121		30 (32)	150 (175)
PB166892BS	PB166892BS	Tetrachloro-m-xylene	1	20	20.3	102		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.7	104		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.5	102		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	23.3	117		30 (32)	150 (175)
I.BLK-PO109537.D	PIBLK-PO109537.D	Tetrachloro-m-xylene	1	20	16.0	80		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	14.6	73		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	16.9	85		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	16.9	84		70 (60)	130 (140)
Q1442-03MS	351MS	Tetrachloro-m-xylene	1	20	17.9	89		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	12.4	62		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.9	94		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	14.7	73		30 (32)	150 (175)
Q1442-03MSD	351MSD	Tetrachloro-m-xylene	1	20	18.0	90		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	13.2	66		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.8	94		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	14.9	75		30 (32)	150 (175)
Q1447-01	WC1	Tetrachloro-m-xylene	1	20	9.79	49		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	10.9	55		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	11.4	57		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	11.0	55		30 (32)	150 (175)
I.BLK-PO109552.D	PIBLK-PO109552.D	Tetrachloro-m-xylene	1	20	15.9	79		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	14.8	74		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	16.8	84		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	16.5	83		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: 8082A **DataFile :** PO109542.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**351MS**											
Q1442-03MS	AR1016	190	0	180	ug/kg	95				40 (55)	140 (146)	
	AR1260	190	0	162	ug/kg	85				40 (45)	140 (144)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: 8082A **DataFile :** PO109543.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**351MSD**											
Q1442-03MSD	AR1016	190.2	0	182	ug/kg	96		1		40 (55)	140 (146)	30 (20)
	AR1260	190.2	0	168	ug/kg	88		3		40 (45)	140 (144)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: 8082A **Datafile :** PO109525.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166892BS	AR1016	166.6	160	ug/kg	96				40 (71)	140 (120)	
	AR1260	166.6	160	ug/kg	96				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166892BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab Sample ID: PB166892BL Lab File ID: PO109524.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 02/27/2025

Date Analyzed (1): 02/27/2025 Date Analyzed (2): 02/27/2025

Time Analyzed (1): 13:16 Time Analyzed (2): 13:16

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
PB166892BS	PB166892BS	PO109525.D	02/27/2025	02/27/2025
351MS	Q1442-03MS	PO109542.D	02/27/2025	02/27/2025
351MSD	Q1442-03MSD	PO109543.D	02/27/2025	02/27/2025
WC1	Q1447-01	PO109545.D	02/27/2025	02/27/2025

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	PB166892BL	SDG No.:	Q1447
Lab Sample ID:	PB166892BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 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
PO109524.D	1	02/27/25 09:56	02/27/25 13:16	PB166892

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.0		30 (32) - 150 (144)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.2		30 (32) - 150 (175)	121%	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

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Report of Analysis

Client:	G Environmental	Date Collected:	02/20/25
Project:	Nelson	Date Received:	02/20/25
Client Sample ID:	PIBLK-PO109425.D	SDG No.:	Q1447
Lab Sample ID:	I.BLK-PO109425.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
PO109425.D	1		02/20/25	PO022025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.1		70 (60) - 130 (140)	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.3		70 (60) - 130 (140)	126%	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

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Report of Analysis

Client:	G Environmental		Date Collected:	02/27/25	
Project:	Nelson		Date Received:	02/27/25	
Client Sample ID:	PIBLK-PO109522.D		SDG No.:	Q1447	
Lab Sample ID:	I.BLK-PO109522.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
PO109522.D	1		02/27/25	PO022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.1		70 (60) - 130 (140)	80%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.6		70 (60) - 130 (140)	78%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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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

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Report of Analysis

Client:	G Environmental	Date Collected:	02/27/25
Project:	Nelson	Date Received:	02/27/25
Client Sample ID:	PIBLK-PO109537.D	SDG No.:	Q1447
Lab Sample ID:	I.BLK-PO109537.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
PO109537.D	1		02/27/25	PO022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.0		70 (60) - 130 (140)	80%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.6		70 (60) - 130 (140)	73%	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

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Report of Analysis

Client:	G Environmental		Date Collected:	02/28/25	
Project:	Nelson		Date Received:	02/28/25	
Client Sample ID:	PIBLK-PO109552.D		SDG No.:	Q1447	
Lab Sample ID:	I.BLK-PO109552.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
PO109552.D	1		02/28/25	PO022725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.9		70 (60) - 130 (140)	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.8		70 (60) - 130 (140)	74%	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

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Nelson		Date Received:		
Client Sample ID:	PB166892BS		SDG No.:	Q1447	
Lab Sample ID:	PB166892BS		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
PO109525.D	1	02/27/25 09:56	02/27/25 13:35	PB166892

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	160		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	160		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		30 (32) - 150 (144)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.3		30 (32) - 150 (175)	117%	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

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Report of Analysis

Client:	G Environmental	Date Collected:	02/26/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	351MS	SDG No.:	Q1447
Lab Sample ID:	Q1442-03MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	87.5 Decanted:
Sample Wt/Vol:	30.07 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
PO109542.D	1	02/27/25 09:56	02/27/25 21:44	PB166892

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	180		3.90	19.4	ug/kg
11104-28-2	Aroclor-1221	7.30	U	7.30	19.4	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.4	ug/kg
53469-21-9	Aroclor-1242	3.90	U	3.90	19.4	ug/kg
12672-29-6	Aroclor-1248	9.00	U	9.00	19.4	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.4	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	19.4	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	19.4	ug/kg
11096-82-5	Aroclor-1260	162		3.30	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		30 (32) - 150 (144)	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.7		30 (32) - 150 (175)	73%	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

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Report of Analysis

Client:	G Environmental	Date Collected:	02/26/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	351MSD	SDG No.:	Q1447
Lab Sample ID:	Q1442-03MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	87.5 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
PO109543.D	1	02/27/25 09:56	02/27/25 22:02	PB166892

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	182		3.90	19.4	ug/kg
11104-28-2	Aroclor-1221	7.30	U	7.30	19.4	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.4	ug/kg
53469-21-9	Aroclor-1242	3.90	U	3.90	19.4	ug/kg
12672-29-6	Aroclor-1248	9.00	U	9.00	19.4	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.4	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	19.4	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	19.4	ug/kg
11096-82-5	Aroclor-1260	168		3.30	19.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		30 (32) - 150 (144)	94%	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

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

Instrument ID: ECD_O **Calibration Date(s):** 02/20/2025 02/21/2025

Calibration Times: 16:46 01:02

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

LAB FILE ID: RT 1000 = PO109426.D RT 750 = PO109427.D

RT 500 = PO109428.D RT 250 = PO109429.D RT 050 = PO109430.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1016-2	(2)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1016-3	(3)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1016-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1016-5	(5)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1260-1	(1)	6.29	6.29	6.29	6.29	6.29	6.29	6.19	6.39
Aroclor-1260-2	(2)	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Aroclor-1260-3	(3)	6.85	6.85	6.85	6.85	6.84	6.85	6.75	6.95
Aroclor-1260-4	(4)	7.11	7.11	7.11	7.11	7.10	7.11	7.01	7.21
Aroclor-1260-5	(5)	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1242-1	(1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1242-2	(2)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1242-3	(3)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1242-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1242-5	(5)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1248-1	(1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1248-2	(2)	5.03	5.03	5.03	5.03	5.03	5.03	4.93	5.13
Aroclor-1248-3	(3)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1248-4	(4)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1248-5	(5)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.75	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1254-1	(1)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1254-2	(2)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1254-3	(3)	6.16	6.16	6.16	6.16	6.16	6.16	6.06	6.26
Aroclor-1254-4	(4)	6.38	6.39	6.39	6.39	6.38	6.39	6.29	6.49
Aroclor-1254-5	(5)	6.81	6.81	6.81	6.81	6.81	6.81	6.71	6.91
Decachlorobiphenyl		8.75	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1268-1	(1)	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
Aroclor-1268-2	(2)	7.70	7.70	7.70	7.70	7.70	7.70	7.60	7.80
Aroclor-1268-3	(3)	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
Aroclor-1268-4	(4)	8.19	8.19	8.19	8.19	8.19	8.19	8.09	8.29
Aroclor-1268-5	(5)	8.49	8.49	8.49	8.49	8.49	8.49	8.39	8.59

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.76	8.76	8.75	8.76	8.75	8.76	8.66	8.86
Tetrachloro-m-xylene	3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

Instrument ID: ECD_O **Calibration Date(s):** 02/20/2025 02/21/2025

Calibration Times: 16:46 01:02

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

LAB FILE ID: RT 1000 = PO109426.D RT 750 = PO109427.D

RT 500 = PO109428.D RT 250 = PO109429.D RT 050 = PO109430.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-2	(2)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
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)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1260-1	(1)	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Aroclor-1260-2	(2)	6.45	6.45	6.45	6.45	6.45	6.45	6.35	6.55
Aroclor-1260-3	(3)	6.60	6.60	6.60	6.60	6.60	6.60	6.50	6.70
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		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1242-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-2	(2)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1242-3	(3)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1242-4	(4)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1242-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
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	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1248-2	(2)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1248-4	(4)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1248-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1254-1	(1)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1254-2	(2)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1254-4	(4)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1254-5	(5)	6.77	6.78	6.77	6.78	6.77	6.77	6.67	6.87
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1268-1	(1)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Aroclor-1268-2	(2)	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
Aroclor-1268-3	(3)	7.87	7.87	7.87	7.87	7.87	7.87	7.77	7.97
Aroclor-1268-4	(4)	8.15	8.15	8.15	8.15	8.15	8.15	8.05	8.25
Aroclor-1268-5	(5)	8.45	8.45	8.45	8.45	8.45	8.45	8.35	8.55

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.71	8.71	8.71	8.71	8.70	8.71	8.61	8.81
Tetrachloro-m-xylene	3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

Instrument ID: ECD_O **Calibration Date(s):** 02/20/2025 02/21/2025

Calibration Times: 16:46 01:02

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

LAB FILE ID: **CF 1000 =** PO109426.D **CF 750 =** PO109427.D

CF 500 = PO109428.D **CF 250 =** PO109429.D **CF 050 =** PO109430.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	285955176	296470909	301678880	330073932	327272520	308290283	6
Aroclor-1016-2	(2)	400344510	409149469	414645114	446605912	434387780	421026557	5
Aroclor-1016-3	(3)	275712654	284750529	289403798	321232168	307985600	295816950	6
Aroclor-1016-4	(4)	217819857	224475380	225979744	249359212	241266360	231780111	6
Aroclor-1016-5	(5)	234915990	244172492	252269048	280073416	279718840	258229957	8
Aroclor-1260-1	(1)	432857882	445030616	458030860	496965692	497771560	466131322	6
Aroclor-1260-2	(2)	530613873	540598143	549997768	596865796	607516180	565118352	6
Aroclor-1260-3	(3)	446055940	458685821	463532386	505033376	504998020	475661109	6
Aroclor-1260-4	(4)	409227231	417077069	426071740	458083200	447546300	431601108	5
Aroclor-1260-5	(5)	975246933	982402905	1001465846	1034939896	975352280	993881572	3
Decachlorobiphenyl		8144381710	8253336907	8542716440	9068866760	9000001000	8601860563	5
Tetrachloro-m-xylene		9594159870	9382441773	9407964980	9839303320	9101752600	9465124509	3
Aroclor-1242-1	(1)	241553792	248781753	263582376	278206104	276700060	261764817	6
Aroclor-1242-2	(2)	330250979	341141312	360022594	377835792	370979720	356046079	6
Aroclor-1242-3	(3)	230958690	239403319	256570990	271941764	257976860	251370325	6
Aroclor-1242-4	(4)	181873604	188232188	200194694	210194852	201763980	196451864	6
Aroclor-1242-5	(5)	192196869	198312276	212424054	232317448	236630280	214376185	9
Decachlorobiphenyl		7571460160	7783053733	8197005760	8686332120	8704566000	8188483555	6
Tetrachloro-m-xylene		9236931880	9400204853	9446860340	9568057960	9056865000	9341784007	2
Aroclor-1248-1	(1)	183385441	189253437	200901320	213658596	210346400	199509039	7
Aroclor-1248-2	(2)	249519113	262229969	281655510	299590856	298458120	278290714	8
Aroclor-1248-3	(3)	313646829	324719312	346217716	370103360	392176240	349372691	9
Aroclor-1248-4	(4)	439951399	452724037	479184310	509535492	504078340	477094716	6
Aroclor-1248-5	(5)	310476659	318507132	337630456	365736804	380196620	342509534	9
Decachlorobiphenyl		7703959900	7913043760	8337132500	8816038680	8879579800	8329950928	6
Tetrachloro-m-xylene		9154374770	9319706587	9763537060	9884300480	9250244600	9474432699	3
Aroclor-1254-1	(1)	480630669	491242291	514290722	548494120	543375540	515606668	6
Aroclor-1254-2	(2)	417535343	429223996	451482582	481224324	472406420	450374533	6
Aroclor-1254-3	(3)	684838056	697322969	725628940	760808456	711178620	715955408	4
Aroclor-1254-4	(4)	417970360	409808872	428749386	461366848	376062040	418791501	7
Aroclor-1254-5	(5)	597298518	608943563	631623464	663830224	617819000	623902954	4
Decachlorobiphenyl		7967092830	8125756000	8528343640	8986366600	8782372000	8477986214	5
Tetrachloro-m-xylene		9511051460	9602004080	9843620680	9994457760	8495604200	9489347636	6
Aroclor-1268-1	(1)	1298860853	1294002563	1318124330	1365675636	1344427900	1324218256	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1196326079	1189492827	1207881780	1246550744	1205280700	1209106426	2
Aroclor-1268-3	(3)	1000400149	998939115	1012813102	1049647308	1029090160	1018177967	2
Aroclor-1268-4	(4)	407507962	408969772	420298422	442140308	445377360	424858765	4
Aroclor-1268-5	(5)	3060378797	3013397139	3036609122	3075360324	2912511720	3019651420	2
Decachlorobiphenyl		14147642890	14125651173	14472115980	15180190720	15441285400	14673377233	4
Tetrachloro-m-xylene		9652630020	9799388160	9953085600	10360200640	9708060200	9894672924	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

Instrument ID: ECD_O **Calibration Date(s):** 02/20/2025 02/21/2025

Calibration Times: 16:46 01:02

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

LAB FILE ID: CF 1000 = PO109426.D CF 750 = PO109427.D

CF 500 = PO109428.D CF 250 = PO109429.D CF 050 = PO109430.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	144422659	148428763	152032096	167484860	168484300	156170536	7
Aroclor-1016-2	(2)	205202725	208508729	213432994	229519564	225505040	216433810	5
Aroclor-1016-3	(3)	112302196	115067393	117212622	128579748	124094120	119451216	6
Aroclor-1016-4	(4)	94709981	98717735	101165102	112923876	112836120	104070563	8
Aroclor-1016-5	(5)	124417087	127943616	132644098	146345704	149917060	136253513	8
Aroclor-1260-1	(1)	217936136	223782013	232739904	251644640	258495520	236919643	7
Aroclor-1260-2	(2)	255563339	259366392	268832038	291215424	300878620	275171163	7
Aroclor-1260-3	(3)	239301078	242165468	249897958	270279452	273707020	255070195	6
Aroclor-1260-4	(4)	193987222	196916529	202218624	218214048	219624820	206192249	6
Aroclor-1260-5	(5)	436097628	435546231	443785112	464386884	459099080	447782987	3
Decachlorobiphenyl		2971514290	3027039307	3156019460	3385128400	3381593200	3184258931	6
Tetrachloro-m-xylene		5186272490	5246400280	5221242400	5478386840	5038748400	5234210082	3
Aroclor-1242-1	(1)	120966720	124746516	133128702	141428800	141463920	132346932	7
Aroclor-1242-2	(2)	169605960	173512545	183266616	192017376	189176180	181515735	5
Aroclor-1242-3	(3)	93390359	96634075	102245092	107691940	99411220	99874537	5
Aroclor-1242-4	(4)	96389066	101019272	107789002	115338428	114056640	106918482	8
Aroclor-1242-5	(5)	113196636	117716005	125239314	135801980	136573300	125705447	8
Decachlorobiphenyl		2727823240	2861750760	3019178360	3243379080	3243962600	3019218808	8
Tetrachloro-m-xylene		5001213420	5078322907	5254229320	5289448280	4851665000	5094975785	4
Aroclor-1248-1	(1)	91256927	94139561	100767396	107614600	108857060	100527109	8
Aroclor-1248-2	(2)	130560541	136645137	146421094	157143508	156628300	145479716	8
Aroclor-1248-3	(3)	139283148	144897643	155701690	166430352	168727860	155008139	8
Aroclor-1248-4	(4)	163903044	169411200	180364434	193711724	196594760	180797032	8
Aroclor-1248-5	(5)	154356880	158447996	169575560	183331920	195308840	172204239	10
Decachlorobiphenyl		2790488700	2873613467	3038569420	3241156720	3294897400	3047745141	7
Tetrachloro-m-xylene		4955293160	5040468413	5221131320	5264696400	4750589600	5046435779	4
Aroclor-1254-1	(1)	243640751	248872624	260914738	280861344	273402140	261538319	6
Aroclor-1254-2	(2)	212545511	218679507	230680254	249214456	261687520	234561450	9
Aroclor-1254-3	(3)	339799719	346366689	360950750	378906048	357499640	356704569	4
Aroclor-1254-4	(4)	192329190	189854227	199746634	214807996	168878980	193123405	9
Aroclor-1254-5	(5)	278490681	283928981	296376396	314100456	310764660	296732235	5
Decachlorobiphenyl		2841760820	2921691133	3072525860	3310057280	3280037800	3085214579	7
Tetrachloro-m-xylene		5117525260	5147853200	5214583540	5337931960	4481650800	5059908952	7
Aroclor-1268-1	(1)	554131487	553810328	564174560	591076320	593868340	571412207	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	512614105	511079256	520949472	543420336	536655740	524943782	3
Aroclor-1268-3	(3)	413643589	412567932	420525622	442592008	450889440	428043718	4
Aroclor-1268-4	(4)	153729603	155030577	163078820	169661456	165174880	161335067	4
Aroclor-1268-5	(5)	1087226853	1077982207	1085826158	1121186428	1093500600	1093144449	2
Decachlorobiphenyl		4950835750	4972853373	5123922200	5430816080	5582978400	5212281161	5
Tetrachloro-m-xylene		5266816140	5271127760	5328349480	5507659840	5128975000	5300585644	3

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

Instrument ID: ECD_O **Date(s) Analyzed:** 02/20/2025 02/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	131879000
		2	4.00	3.90	4.10	98701000
		3	4.07	3.97	4.17	269838000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	208928000
		2	4.57	4.47	4.67	116083000
		3	4.81	4.71	4.91	201936000
		4	4.99	4.89	5.09	111220000
		5	5.03	4.93	5.13	81668600
Aroclor-1262	500	1	6.85	6.75	6.95	665842000
		2	7.35	7.25	7.45	1129720000
		3	7.63	7.53	7.73	448264000
		4	7.70	7.60	7.80	829210000
		5	8.19	8.09	8.29	373330000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

Instrument ID: ECD_O **Date(s) Analyzed:** 02/20/2025 02/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	68502400
		2	3.99	3.89	4.09	51339800
		3	4.07	3.97	4.17	145428000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	111462000
		2	4.80	4.70	4.90	103317000
		3	4.97	4.87	5.07	56771800
		4	5.06	4.96	5.16	54894600
		5	5.23	5.13	5.33	58805000
Aroclor-1262	500	1	6.81	6.71	6.91	317212000
		2	7.31	7.21	7.41	498620000
		3	7.60	7.50	7.70	196255000
		4	7.66	7.56	7.76	354890000
		5	8.15	8.05	8.25	143138000

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

Continuing Calib Date: 02/27/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 10:32 **Initial Calibration Time(s):** 16:46 01:02

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.76	8.76	8.66	8.86	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

Continuing Calib Date: 02/27/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 10:32 **Initial Calibration Time(s):** 16:46 01:02

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.26	6.26	6.16	6.36	0.00
Aroclor-1260-2	(2)	6.45	6.45	6.35	6.55	0.00
Aroclor-1260-3	(3)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.71	8.71	8.61	8.81	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL01 **Date Analyzed:** 02/27/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109518.D **Time Analyzed:** 10:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.791	4.691	4.891	493.830	500.000	-1.2
Aroclor-1016-2	4.810	4.711	4.911	495.020	500.000	-1.0
Aroclor-1016-3	4.866	4.767	4.967	496.720	500.000	-0.7
Aroclor-1016-4	4.987	4.888	5.088	495.780	500.000	-0.8
Aroclor-1016-5	5.245	5.145	5.345	482.940	500.000	-3.4
Aroclor-1260-1	6.287	6.188	6.388	479.690	500.000	-4.1
Aroclor-1260-2	6.475	6.377	6.577	482.740	500.000	-3.5
Aroclor-1260-3	6.844	6.746	6.946	484.020	500.000	-3.2
Aroclor-1260-4	7.104	7.005	7.205	487.270	500.000	-2.5
Aroclor-1260-5	7.345	7.247	7.447	493.150	500.000	-1.4
Decachlorobiphenyl	8.755	8.657	8.857	44.730	50.000	-10.5
Tetrachloro-m-xylene	3.696	3.598	3.798	48.740	50.000	-2.5

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL01 **Date Analyzed:** 02/27/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109518.D **Time Analyzed:** 10:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.776	4.678	4.878	527.740	500.000	5.5
Aroclor-1016-2	4.796	4.697	4.897	528.720	500.000	5.7
Aroclor-1016-3	4.971	4.872	5.072	531.390	500.000	6.3
Aroclor-1016-4	5.013	4.914	5.114	518.370	500.000	3.7
Aroclor-1016-5	5.226	5.127	5.327	512.200	500.000	2.4
Aroclor-1260-1	6.260	6.161	6.361	505.600	500.000	1.1
Aroclor-1260-2	6.447	6.348	6.548	515.360	500.000	3.1
Aroclor-1260-3	6.601	6.502	6.702	512.610	500.000	2.5
Aroclor-1260-4	7.072	6.974	7.174	513.470	500.000	2.7
Aroclor-1260-5	7.313	7.214	7.414	528.450	500.000	5.7
Decachlorobiphenyl	8.705	8.607	8.807	48.990	50.000	-2.0
Tetrachloro-m-xylene	3.693	3.594	3.794	52.130	50.000	4.3

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

Continuing Calib Date: 02/27/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 17:49 **Initial Calibration Time(s):** 16:46 01:02

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.00
Aroclor-1260-3	(3)	6.85	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.11	7.11	7.01	7.21	0.00
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.00
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.76	8.76	8.66	8.86	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

Continuing Calib Date: 02/27/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 17:49 **Initial Calibration Time(s):** 16:46 01:02

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.02	5.01	4.91	5.11	-0.01
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.26	6.26	6.16	6.36	0.00
Aroclor-1260-2	(2)	6.45	6.45	6.35	6.55	0.00
Aroclor-1260-3	(3)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-4	(4)	7.08	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.32	7.31	7.21	7.41	-0.01
Tetrachloro-m-xylene		3.70	3.69	3.59	3.79	-0.01
Decachlorobiphenyl		8.71	8.71	8.61	8.81	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL02 **Date Analyzed:** 02/27/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109533.D **Time Analyzed:** 17:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.791	4.691	4.891	506.740	500.000	1.3
Aroclor-1016-2	4.811	4.711	4.911	506.890	500.000	1.4
Aroclor-1016-3	4.867	4.767	4.967	504.160	500.000	0.8
Aroclor-1016-4	4.988	4.888	5.088	502.480	500.000	0.5
Aroclor-1016-5	5.245	5.145	5.345	480.720	500.000	-3.9
Aroclor-1260-1	6.287	6.188	6.388	476.100	500.000	-4.8
Aroclor-1260-2	6.476	6.377	6.577	466.060	500.000	-6.8
Aroclor-1260-3	6.845	6.746	6.946	439.850	500.000	-12.0
Aroclor-1260-4	7.105	7.005	7.205	434.850	500.000	-13.0
Aroclor-1260-5	7.347	7.247	7.447	428.000	500.000	-14.4
Decachlorobiphenyl	8.756	8.657	8.857	39.490	50.000	-21.0
Tetrachloro-m-xylene	3.697	3.598	3.798	49.320	50.000	-1.4

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL02 **Date Analyzed:** 02/27/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109533.D **Time Analyzed:** 17:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.779	4.678	4.878	553.210	500.000	10.6
Aroclor-1016-2	4.799	4.697	4.897	559.460	500.000	11.9
Aroclor-1016-3	4.974	4.872	5.072	559.210	500.000	11.8
Aroclor-1016-4	5.016	4.914	5.114	537.920	500.000	7.6
Aroclor-1016-5	5.229	5.127	5.327	534.530	500.000	6.9
Aroclor-1260-1	6.263	6.161	6.361	500.020	500.000	0.0
Aroclor-1260-2	6.450	6.348	6.548	504.790	500.000	1.0
Aroclor-1260-3	6.603	6.502	6.702	495.560	500.000	-0.9
Aroclor-1260-4	7.075	6.974	7.174	480.720	500.000	-3.9
Aroclor-1260-5	7.316	7.214	7.414	501.850	500.000	0.4
Decachlorobiphenyl	8.708	8.607	8.807	46.250	50.000	-7.5
Tetrachloro-m-xylene	3.696	3.594	3.794	54.640	50.000	9.3

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

Continuing Calib Date: 02/28/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 00:02 **Initial Calibration Time(s):** 16:46 01:02

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.00
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.25	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.00
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.00
Aroclor-1260-3	(3)	6.85	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.11	7.11	7.01	7.21	0.00
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.00
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.76	8.76	8.66	8.86	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

Continuing Calib Date: 02/28/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 00:02 **Initial Calibration Time(s):** 16:46 01:02

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.02	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.26	6.26	6.16	6.36	0.00
Aroclor-1260-2	(2)	6.45	6.45	6.35	6.55	0.00
Aroclor-1260-3	(3)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-4	(4)	7.08	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.32	7.31	7.21	7.41	-0.01
Tetrachloro-m-xylene		3.70	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.71	8.71	8.61	8.81	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL03 **Date Analyzed:** 02/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109548.D **Time Analyzed:** 00:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.792	4.691	4.891	495.600	500.000	-0.9
Aroclor-1016-2	4.811	4.711	4.911	499.510	500.000	-0.1
Aroclor-1016-3	4.867	4.767	4.967	491.200	500.000	-1.8
Aroclor-1016-4	4.988	4.888	5.088	487.140	500.000	-2.6
Aroclor-1016-5	5.245	5.145	5.345	478.990	500.000	-4.2
Aroclor-1260-1	6.288	6.188	6.388	473.590	500.000	-5.3
Aroclor-1260-2	6.476	6.377	6.577	444.830	500.000	-11.0
Aroclor-1260-3	6.845	6.746	6.946	422.900	500.000	-15.4
Aroclor-1260-4	7.105	7.005	7.205	421.070	500.000	-15.8
Aroclor-1260-5	7.347	7.247	7.447	428.290	500.000	-14.3
Decachlorobiphenyl	8.755	8.657	8.857	39.430	50.000	-21.1
Tetrachloro-m-xylene	3.698	3.598	3.798	49.160	50.000	-1.7

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1447 **SAS No.:** Q1447 **SDG NO.:** Q1447

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL03 **Date Analyzed:** 02/28/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109548.D **Time Analyzed:** 00:02

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.779	4.678	4.878	550.950	500.000	10.2
Aroclor-1016-2	4.798	4.697	4.897	554.860	500.000	11.0
Aroclor-1016-3	4.974	4.872	5.072	550.190	500.000	10.0
Aroclor-1016-4	5.015	4.914	5.114	513.690	500.000	2.7
Aroclor-1016-5	5.229	5.127	5.327	539.180	500.000	7.8
Aroclor-1260-1	6.262	6.161	6.361	504.870	500.000	1.0
Aroclor-1260-2	6.449	6.348	6.548	505.070	500.000	1.0
Aroclor-1260-3	6.603	6.502	6.702	493.490	500.000	-1.3
Aroclor-1260-4	7.075	6.974	7.174	488.450	500.000	-2.3
Aroclor-1260-5	7.315	7.214	7.414	496.860	500.000	-0.6
Decachlorobiphenyl	8.708	8.607	8.807	45.170	50.000	-9.7
Tetrachloro-m-xylene	3.695	3.594	3.794	54.270	50.000	8.5

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Analytical Sequence

Client: G Environmental **SDG No.:** Q1447

Project: Nelson **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/20/2025 02/20/2025

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 #
I.BLK	I.BLK	02/20/2025	16:28	PO109425.D	8.76	3.70
AR1660ICC1000	AR1660ICC1000	02/20/2025	16:46	PO109426.D	8.76	3.70
AR1660ICC750	AR1660ICC750	02/20/2025	17:04	PO109427.D	8.76	3.70
AR1660ICC500	AR1660ICC500	02/20/2025	17:23	PO109428.D	8.76	3.70
AR1660ICC250	AR1660ICC250	02/20/2025	17:41	PO109429.D	8.76	3.70
AR1660ICC050	AR1660ICC050	02/20/2025	17:59	PO109430.D	8.76	3.70
AR1221ICC500	AR1221ICC500	02/20/2025	18:18	PO109431.D	8.76	3.70
AR1232ICC500	AR1232ICC500	02/20/2025	18:36	PO109432.D	8.76	3.70
AR1242ICC1000	AR1242ICC1000	02/20/2025	18:55	PO109433.D	8.76	3.70
AR1242ICC750	AR1242ICC750	02/20/2025	19:13	PO109434.D	8.76	3.70
AR1242ICC500	AR1242ICC500	02/20/2025	19:31	PO109435.D	8.76	3.70
AR1242ICC250	AR1242ICC250	02/20/2025	19:50	PO109436.D	8.76	3.70
AR1242ICC050	AR1242ICC050	02/20/2025	20:08	PO109437.D	8.76	3.70
AR1248ICC1000	AR1248ICC1000	02/20/2025	20:26	PO109438.D	8.76	3.70
AR1248ICC750	AR1248ICC750	02/20/2025	20:45	PO109439.D	8.76	3.70
AR1248ICC500	AR1248ICC500	02/20/2025	21:03	PO109440.D	8.76	3.70
AR1248ICC250	AR1248ICC250	02/20/2025	21:21	PO109441.D	8.76	3.70
AR1248ICC050	AR1248ICC050	02/20/2025	21:40	PO109442.D	8.75	3.70
AR1254ICC1000	AR1254ICC1000	02/20/2025	21:58	PO109443.D	8.75	3.70
AR1254ICC750	AR1254ICC750	02/20/2025	22:17	PO109444.D	8.76	3.70
AR1254ICC500	AR1254ICC500	02/20/2025	22:35	PO109445.D	8.76	3.70
AR1254ICC250	AR1254ICC250	02/20/2025	22:53	PO109446.D	8.76	3.70
AR1254ICC050	AR1254ICC050	02/20/2025	23:12	PO109447.D	8.76	3.70
AR1262ICC500	AR1262ICC500	02/20/2025	23:30	PO109448.D	8.75	3.70
AR1268ICC1000	AR1268ICC1000	02/20/2025	23:48	PO109449.D	8.76	3.70
AR1268ICC750	AR1268ICC750	02/21/2025	00:07	PO109450.D	8.76	3.70
AR1268ICC500	AR1268ICC500	02/21/2025	00:25	PO109451.D	8.75	3.70
AR1268ICC250	AR1268ICC250	02/21/2025	00:43	PO109452.D	8.76	3.70
AR1268ICC050	AR1268ICC050	02/21/2025	01:02	PO109453.D	8.75	3.70
AR1660CCC500	AR1660CCC500	02/27/2025	10:32	PO109518.D	8.76	3.70
I.BLK	I.BLK	02/27/2025	11:45	PO109522.D	8.75	3.70
PB166892BL	PB166892BL	02/27/2025	13:16	PO109524.D	8.77	3.70
PB166892BS	PB166892BS	02/27/2025	13:35	PO109525.D	8.76	3.70
AR1660CCC500	AR1660CCC500	02/27/2025	17:49	PO109533.D	8.76	3.70
I.BLK	I.BLK	02/27/2025	20:12	PO109537.D	8.76	3.70
351MS	Q1442-03MS	02/27/2025	21:44	PO109542.D	8.76	3.70
351MSD	Q1442-03MSD	02/27/2025	22:02	PO109543.D	8.75	3.70
WC1	Q1447-01	02/27/2025	22:39	PO109545.D	8.76	3.70
AR1660CCC500	AR1660CCC500	02/28/2025	00:02	PO109548.D	8.76	3.70
I.BLK	I.BLK	02/28/2025	01:14	PO109552.D	8.76	3.70

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Analytical Sequence

Client: G Environmental **SDG No.:** Q1447

Project: Nelson **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/20/2025 02/20/2025

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 #
I.BLK	I.BLK	02/20/2025	16:28	PO109425.D	8.71	3.69
AR1660ICC1000	AR1660ICC1000	02/20/2025	16:46	PO109426.D	8.71	3.69
AR1660ICC750	AR1660ICC750	02/20/2025	17:04	PO109427.D	8.71	3.69
AR1660ICC500	AR1660ICC500	02/20/2025	17:23	PO109428.D	8.71	3.69
AR1660ICC250	AR1660ICC250	02/20/2025	17:41	PO109429.D	8.71	3.69
AR1660ICC050	AR1660ICC050	02/20/2025	17:59	PO109430.D	8.71	3.69
AR1221ICC500	AR1221ICC500	02/20/2025	18:18	PO109431.D	8.71	3.69
AR1232ICC500	AR1232ICC500	02/20/2025	18:36	PO109432.D	8.71	3.69
AR1242ICC1000	AR1242ICC1000	02/20/2025	18:55	PO109433.D	8.71	3.69
AR1242ICC750	AR1242ICC750	02/20/2025	19:13	PO109434.D	8.71	3.69
AR1242ICC500	AR1242ICC500	02/20/2025	19:31	PO109435.D	8.71	3.69
AR1242ICC250	AR1242ICC250	02/20/2025	19:50	PO109436.D	8.71	3.69
AR1242ICC050	AR1242ICC050	02/20/2025	20:08	PO109437.D	8.71	3.69
AR1248ICC1000	AR1248ICC1000	02/20/2025	20:26	PO109438.D	8.71	3.69
AR1248ICC750	AR1248ICC750	02/20/2025	20:45	PO109439.D	8.71	3.69
AR1248ICC500	AR1248ICC500	02/20/2025	21:03	PO109440.D	8.71	3.69
AR1248ICC250	AR1248ICC250	02/20/2025	21:21	PO109441.D	8.71	3.69
AR1248ICC050	AR1248ICC050	02/20/2025	21:40	PO109442.D	8.71	3.69
AR1254ICC1000	AR1254ICC1000	02/20/2025	21:58	PO109443.D	8.71	3.69
AR1254ICC750	AR1254ICC750	02/20/2025	22:17	PO109444.D	8.71	3.69
AR1254ICC500	AR1254ICC500	02/20/2025	22:35	PO109445.D	8.71	3.69
AR1254ICC250	AR1254ICC250	02/20/2025	22:53	PO109446.D	8.71	3.69
AR1254ICC050	AR1254ICC050	02/20/2025	23:12	PO109447.D	8.71	3.69
AR1262ICC500	AR1262ICC500	02/20/2025	23:30	PO109448.D	8.71	3.69
AR1268ICC1000	AR1268ICC1000	02/20/2025	23:48	PO109449.D	8.71	3.69
AR1268ICC750	AR1268ICC750	02/21/2025	00:07	PO109450.D	8.71	3.69
AR1268ICC500	AR1268ICC500	02/21/2025	00:25	PO109451.D	8.71	3.69
AR1268ICC250	AR1268ICC250	02/21/2025	00:43	PO109452.D	8.71	3.69
AR1268ICC050	AR1268ICC050	02/21/2025	01:02	PO109453.D	8.70	3.69
AR1660CCC500	AR1660CCC500	02/27/2025	10:32	PO109518.D	8.71	3.69
I.BLK	I.BLK	02/27/2025	11:45	PO109522.D	8.71	3.69
PB166892BL	PB166892BL	02/27/2025	13:16	PO109524.D	8.71	3.69
PB166892BS	PB166892BS	02/27/2025	13:35	PO109525.D	8.71	3.69
AR1660CCC500	AR1660CCC500	02/27/2025	17:49	PO109533.D	8.71	3.70
I.BLK	I.BLK	02/27/2025	20:12	PO109537.D	8.71	3.70
351MS	Q1442-03MS	02/27/2025	21:44	PO109542.D	8.71	3.70
351MSD	Q1442-03MSD	02/27/2025	22:02	PO109543.D	8.71	3.70
WC1	Q1447-01	02/27/2025	22:39	PO109545.D	8.71	3.70
AR1660CCC500	AR1660CCC500	02/28/2025	00:02	PO109548.D	8.71	3.70
I.BLK	I.BLK	02/28/2025	01:14	PO109552.D	8.71	3.70

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB166892BS

Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab Sample ID: PB166892BS Date(s) Analyzed: 02/27/2025 02/27/2025

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 PO109525.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.791	4.741	4.841	157		
	2	4.81	4.76	4.86	157		
	3	4.867	4.817	4.917	156		
COLUMN 1	4	4.987	4.937	5.037	158		
	5	5.245	5.195	5.295	150	156	
	1	4.776	4.726	4.826	163		
	2	4.795	4.745	4.845	164		
	3	4.971	4.921	5.021	164		
	4	5.012	4.962	5.062	156		
COLUMN 2	5	5.226	5.176	5.276	154	160	2.53
Aroclor-1260	1	6.288	6.238	6.338	161		
	2	6.476	6.426	6.526	161		
	3	6.845	6.795	6.895	139		
COLUMN 1	4	7.105	7.055	7.155	143		
	5	7.347	7.297	7.397	146	150	
	1	6.259	6.209	6.309	164		
	2	6.446	6.396	6.496	167		
	3	6.599	6.549	6.649	169		
	4	7.072	7.022	7.122	148		
COLUMN 2	5	7.312	7.262	7.362	153	160	6.45

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
351MS

Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab Sample ID: Q1442-03MS Date(s) Analyzed: 02/27/2025 02/27/2025

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 PO109542.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.791	4.741	4.841	163		
	2	4.81	4.76	4.86	187		
	3	4.867	4.817	4.917	155		
COLUMN 1	4	4.987	4.937	5.037	148		
	5	5.245	5.195	5.295	147	160	
	1	4.778	4.728	4.828	183		
	2	4.798	4.748	4.848	213		
	3	4.973	4.923	5.023	170		
	4	5.015	4.965	5.065	155		
COLUMN 2	5	5.229	5.179	5.279	180	180	11.76
Aroclor-1260	1	6.287	6.237	6.337	151		
	2	6.476	6.426	6.526	147		
	3	6.844	6.794	6.894	127		
COLUMN 1	4	7.105	7.055	7.155	149		
	5	7.346	7.296	7.396	117	138	
	1	6.261	6.211	6.311	161		
	2	6.448	6.398	6.498	154		
	3	6.602	6.552	6.652	166		
	4	7.074	7.024	7.124	182		
COLUMN 2	5	7.315	7.265	7.365	145	162	16

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
351MSD

Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab Sample ID: Q1442-03MSD Date(s) Analyzed: 02/27/2025 02/27/2025

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 PO109543.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.791	4.741	4.841	169		
	2	4.81	4.76	4.86	171		
	3	4.866	4.816	4.916	163		
COLUMN 1	4	4.987	4.937	5.037	174		
	5	5.245	5.195	5.295	177	171	
	1	4.778	4.728	4.828	186		
	2	4.797	4.747	4.847	194		
	3	4.972	4.922	5.022	187		
	4	5.015	4.965	5.065	159		
COLUMN 2	5	5.229	5.179	5.279	185	182	6.23
Aroclor-1260	1	6.287	6.237	6.337	164		
	2	6.475	6.425	6.525	159		
	3	6.844	6.794	6.894	134		
COLUMN 1	4	7.105	7.055	7.155	155		
	5	7.347	7.297	7.397	122	147	
	1	6.261	6.211	6.311	164		
	2	6.449	6.399	6.499	157		
	3	6.601	6.551	6.651	184		
	4	7.074	7.024	7.124	185		
COLUMN 2	5	7.314	7.264	7.364	149	168	13.33

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC1

Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab Sample ID: Q1447-01 Date(s) Analyzed: 02/27/2025 02/27/2025

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 PO109545.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1260	1	6.29	6.24	6.34	52.2		
	2	6.478	6.428	6.528	53.4		
	3	6.846	6.796	6.896	30.4		
COLUMN 1	4	7.107	7.057	7.157	67.0		
	5	7.348	7.298	7.398	38.4	48.3	
	1	6.264	6.214	6.314	62.9		
	2	6.45	6.4	6.5	60.0		
	3	6.603	6.553	6.653	65.9		
	4	7.075	7.025	7.125	45.3		
COLUMN 2	5	7.316	7.266	7.366	37.8	54.4	11.88

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022725\
Data File : PO109545.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2025 22:39
Operator : YP/AJ
Sample : Q1447-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WC1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 28 03:26:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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...	3.697	3.695	92681238	59746684	9.792	11.415
2)	SA Decachlor...	8.757	8.709	94064387	35129676	10.935m	11.032m
	Target Compounds						
31)	L7 AR-1260-1	6.290	6.264	67517090	41362231	144.846	174.583
32)	L7 AR-1260-2	6.478	6.450	83758906	45820629	148.215	166.517m
33)	L7 AR-1260-3	6.846	6.603	40211961	46717907	84.539	183.157m#
34)	L7 AR-1260-4	7.107	7.075	80346701	25936629	186.160	125.789m#
35)	L7 AR-1260-5	7.348	7.316	106.0E6	47020345	106.695	105.007

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022725\
Data File : PO109545.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2025 22:39
Operator : YP/AJ
Sample : Q1447-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

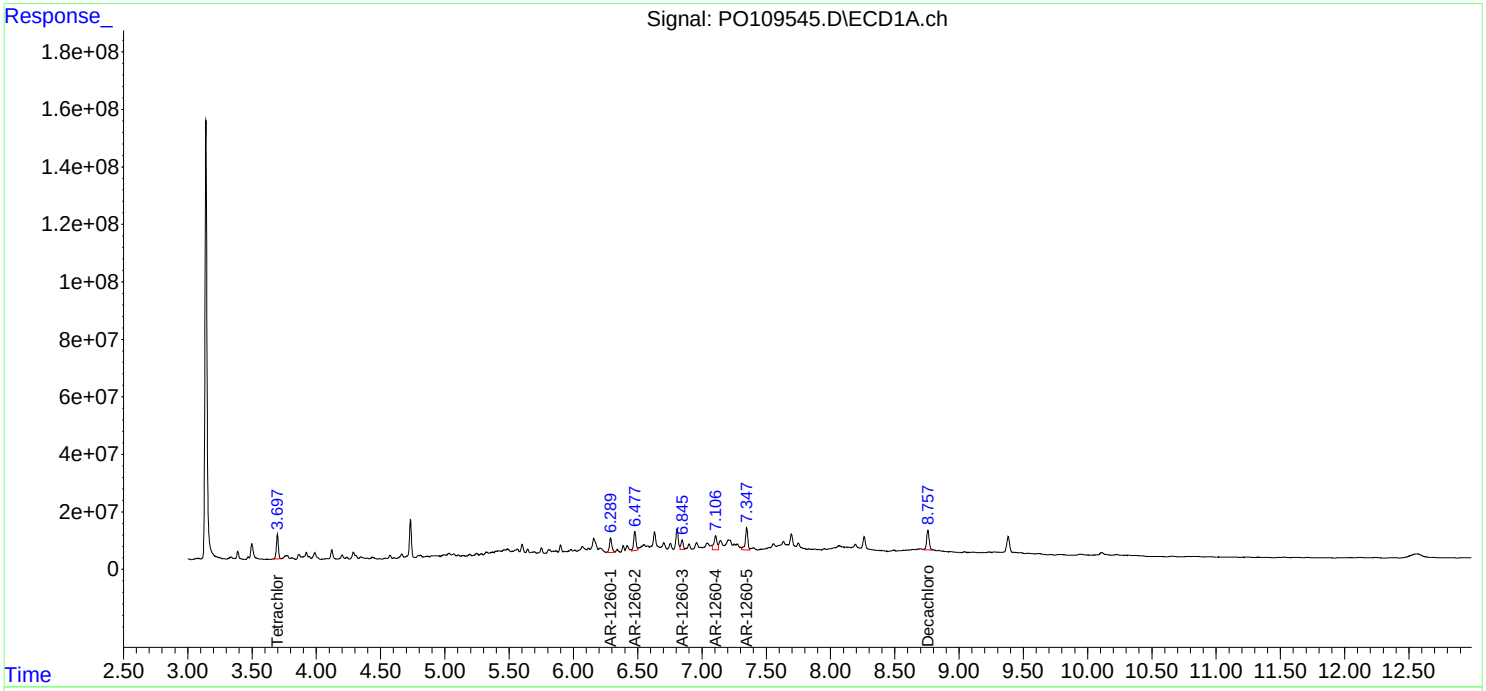
Instrument :
ECD_O
ClientSampleId :
WC1

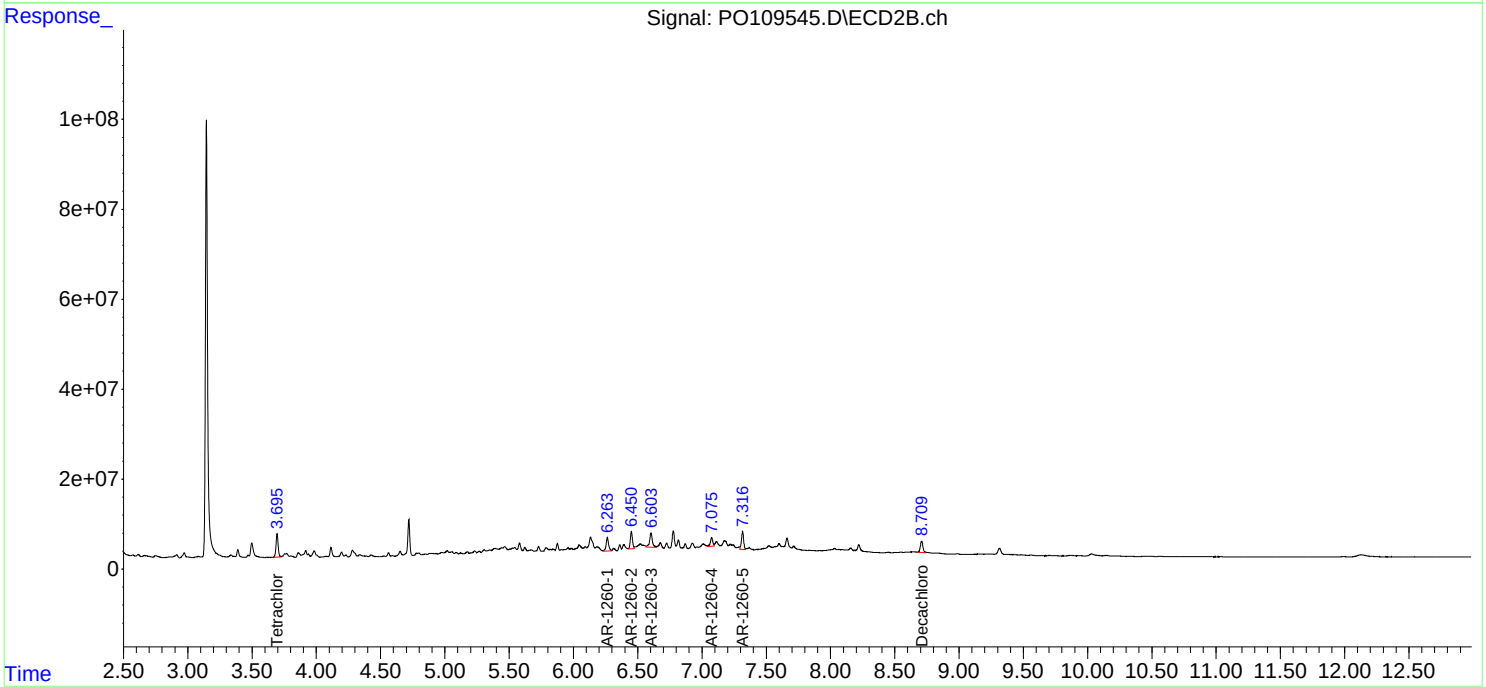
Manual Integrations APPROVED

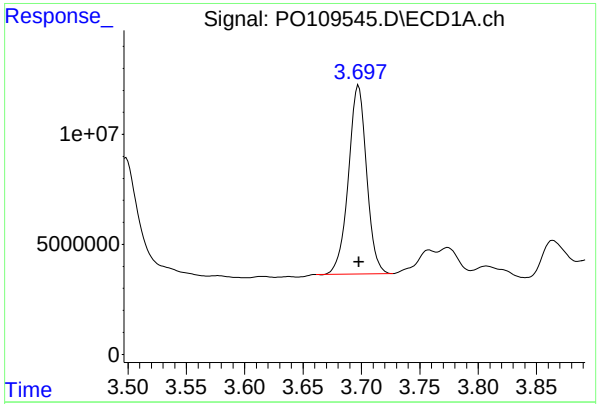
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 28 03:26:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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







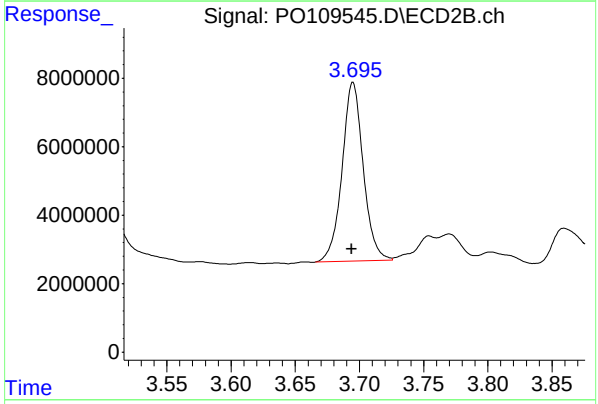
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 mi
Response: 92681238
Conc: 9.79 ng/m

Instrument :
ECD_O
ClientSampleId :
WC1

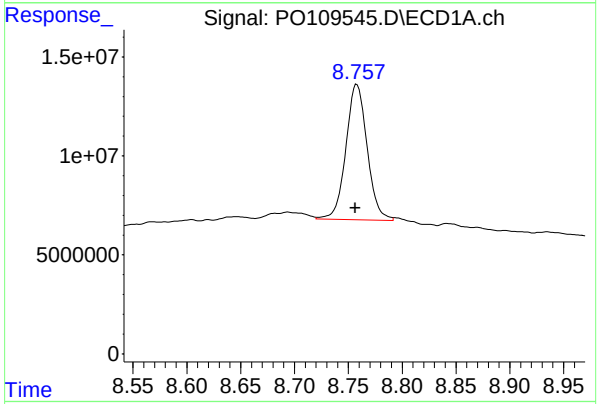
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :Ankita Jodhani 02/28/2025



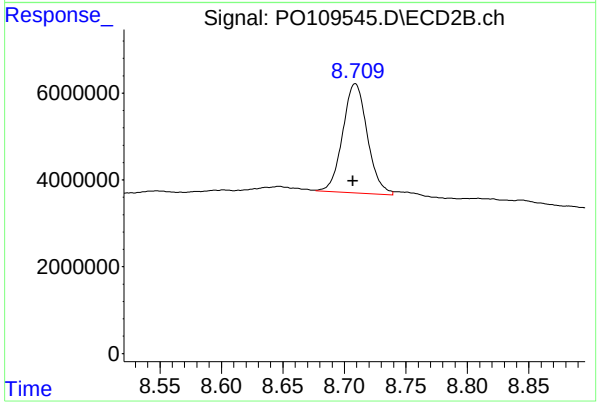
#1 Tetrachloro-m-xylene

R.T.: 3.695 min
Delta R.T.: 0.001 min
Response: 59746684
Conc: 11.41 ng/ml



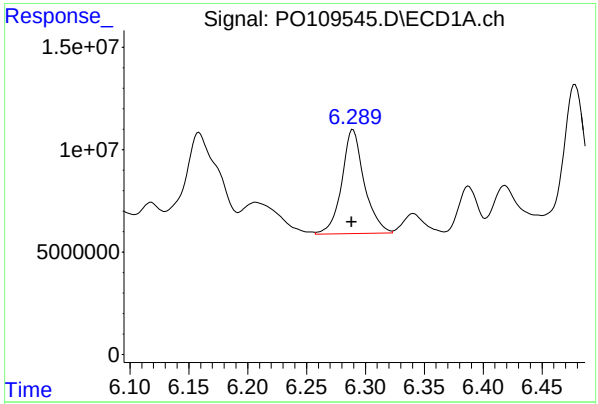
#2 Decachlorobiphenyl

R.T.: 8.757 min
Delta R.T.: 0.000 min
Response: 94064387
Conc: 10.94 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.709 min
Delta R.T.: 0.002 min
Response: 35129676
Conc: 11.03 ng/ml m



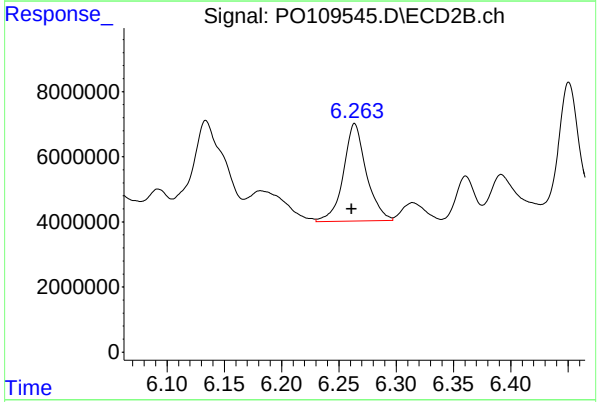
#31 AR-1260-1

R.T.: 6.290 min
Delta R.T.: 0.001 min
Response: 67517090
Conc: 144.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC1

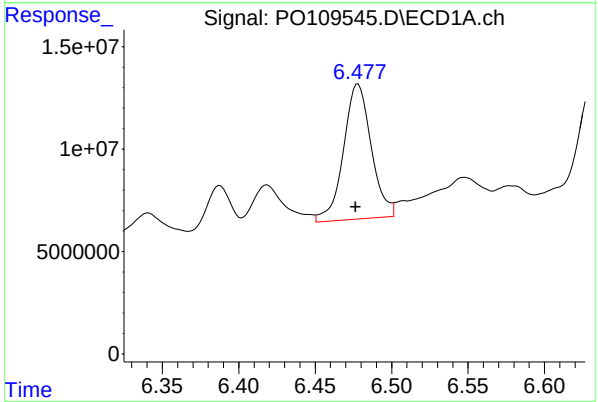
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :Ankita Jodhani 02/28/2025



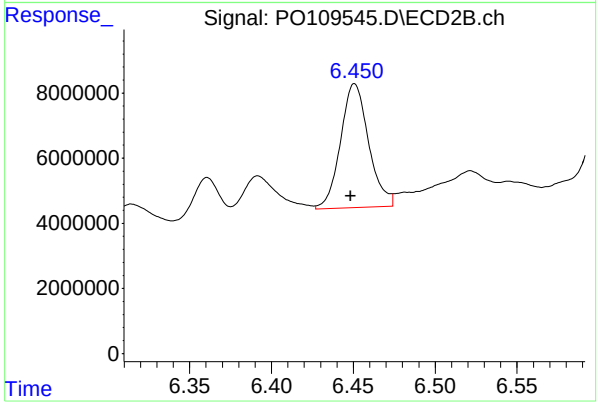
#31 AR-1260-1

R.T.: 6.264 min
Delta R.T.: 0.003 min
Response: 41362231
Conc: 174.58 ng/ml



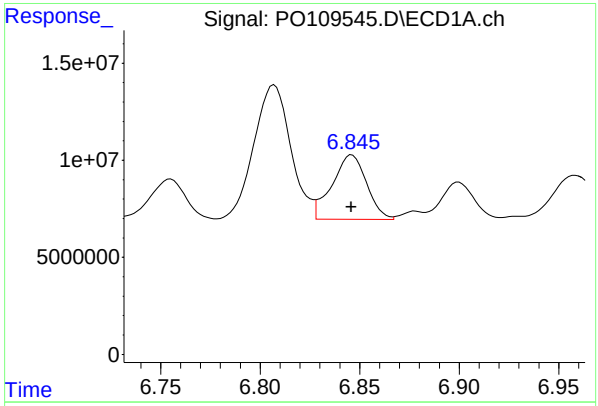
#32 AR-1260-2

R.T.: 6.478 min
Delta R.T.: 0.002 min
Response: 83758906
Conc: 148.21 ng/ml



#32 AR-1260-2

R.T.: 6.450 min
Delta R.T.: 0.002 min
Response: 45820629
Conc: 166.52 ng/ml m



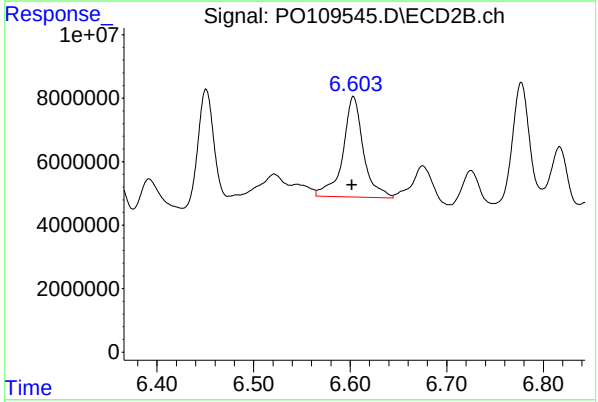
#33 AR-1260-3

R.T.: 6.846 min
Delta R.T.: 0.000 mi
Response: 40211961
Conc: 84.54 ng/m

Instrument :
ECD_O
ClientSampleId :
WC1

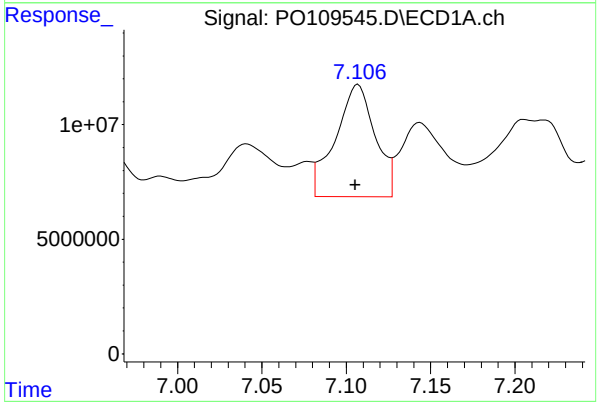
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :Ankita Jodhani 02/28/2025



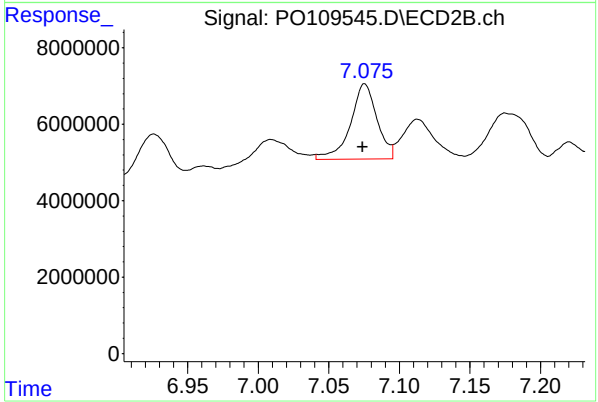
#33 AR-1260-3

R.T.: 6.603 min
Delta R.T.: 0.001 min
Response: 46717907
Conc: 183.16 ng/ml m



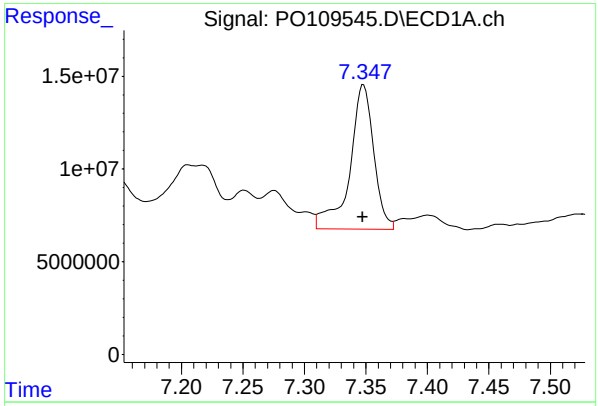
#34 AR-1260-4

R.T.: 7.107 min
Delta R.T.: 0.002 min
Response: 80346701
Conc: 186.16 ng/ml



#34 AR-1260-4

R.T.: 7.075 min
Delta R.T.: 0.000 min
Response: 25936629
Conc: 125.79 ng/ml m



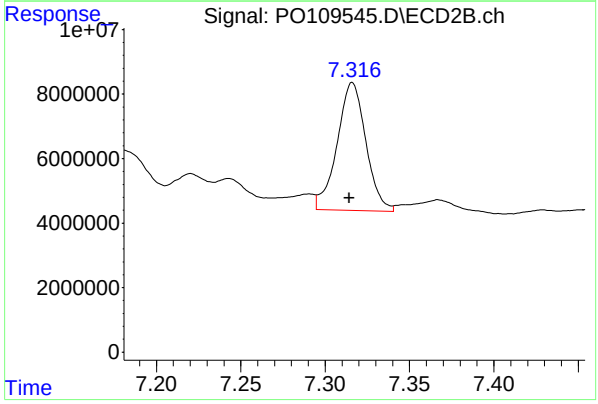
#35 AR-1260-5

R.T.: 7.348 min
Delta R.T.: 0.000 min
Response: 106041953
Conc: 106.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :Ankita Jodhani 02/28/2025



#35 AR-1260-5

R.T.: 7.316 min
Delta R.T.: 0.002 min
Response: 47020345
Conc: 105.01 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022725\
Data File : PO109524.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2025 13:16
Operator : YP/AJ
Sample : PB166892BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB166892BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 15:37:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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...	3.703	3.692	208.3E6	114.8E6	22.007	21.931
2)	SA Decachlor...	8.767	8.709	179.2E6	77049099	20.828	24.197
	Target Compounds						

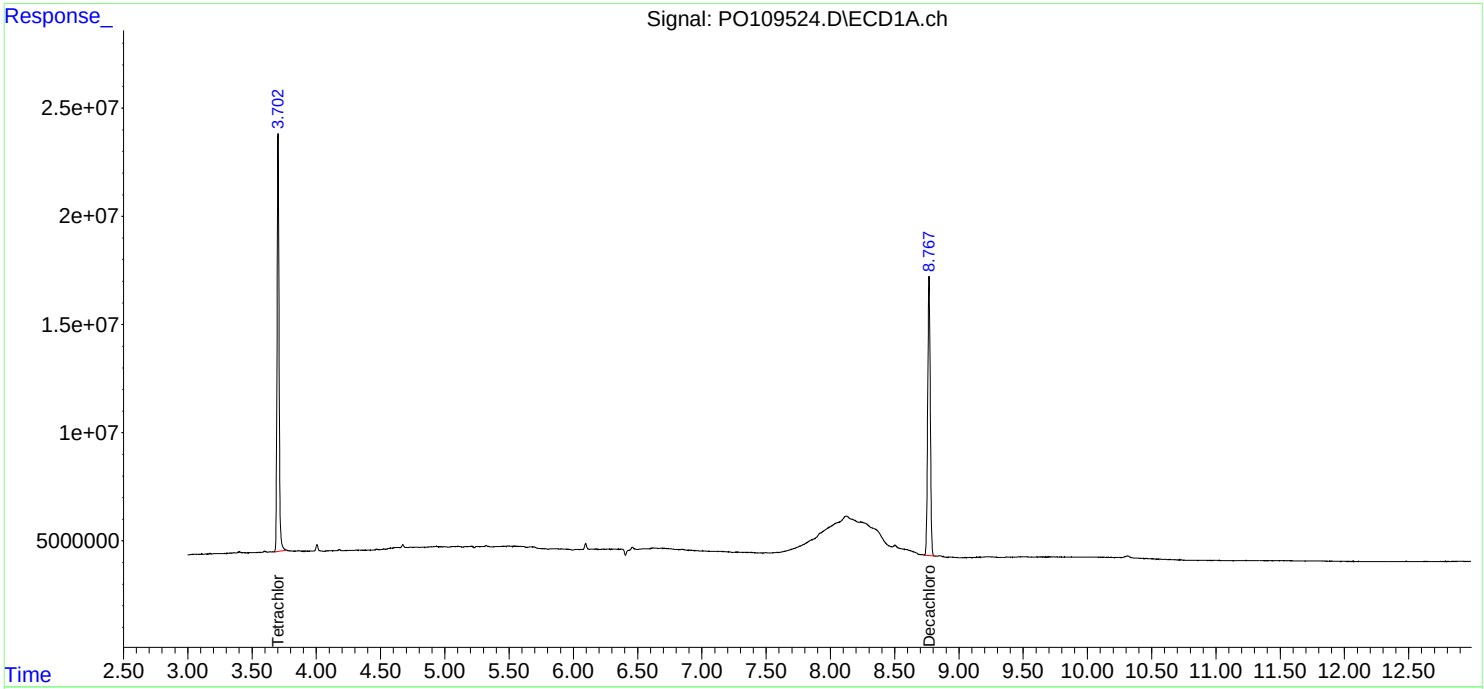
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

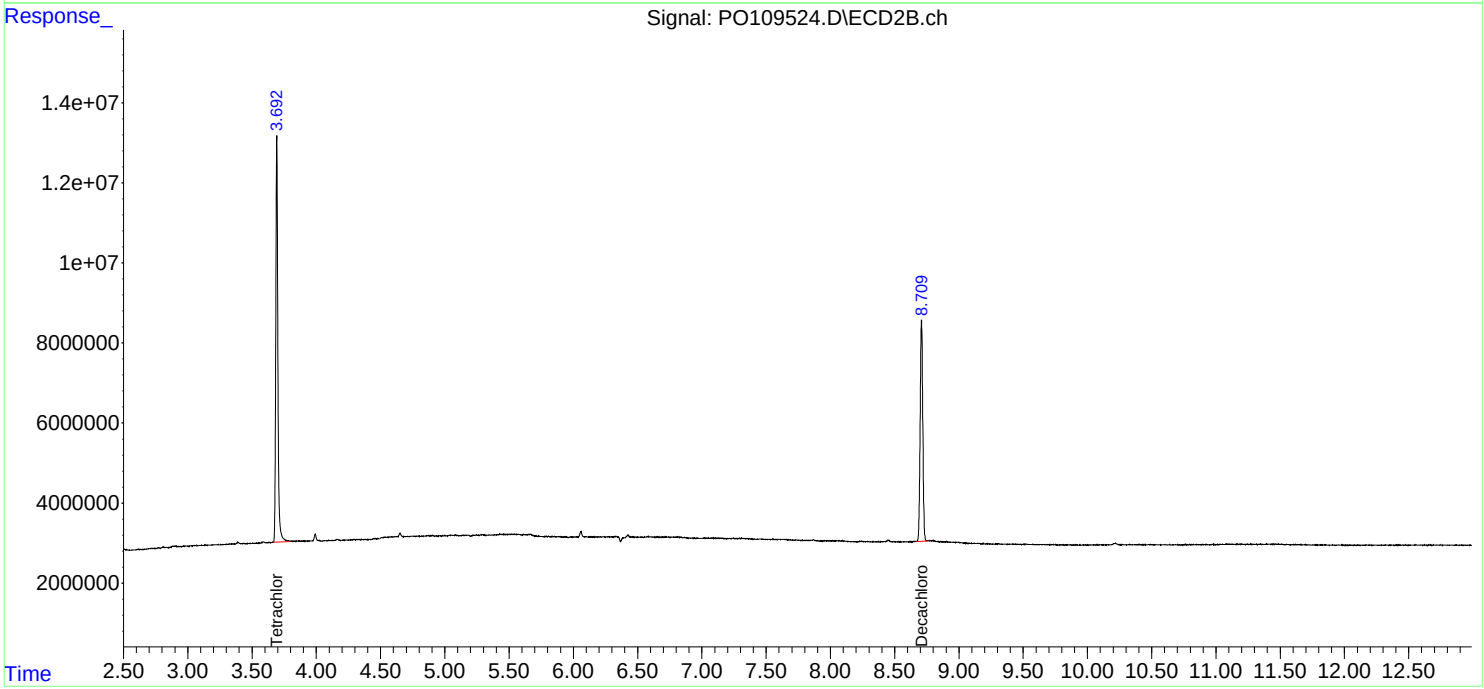
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022725\
Data File : PO109524.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2025 13:16
Operator : YP/AJ
Sample : PB166892BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

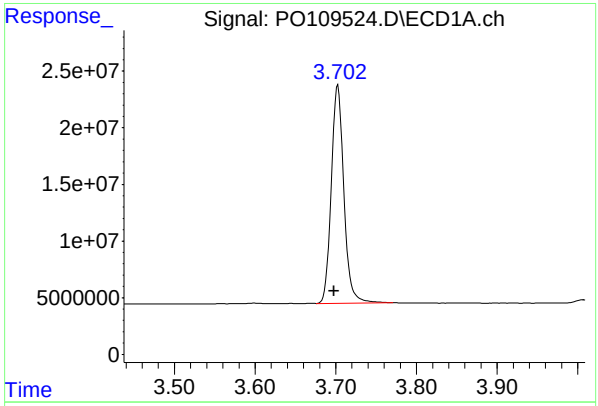
Instrument :
ECD_O
ClientSampleId :
PB166892BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 15:37:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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



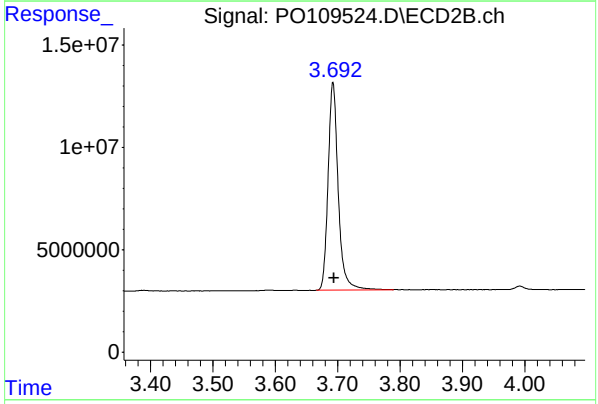




#1 Tetrachloro-m-xylene

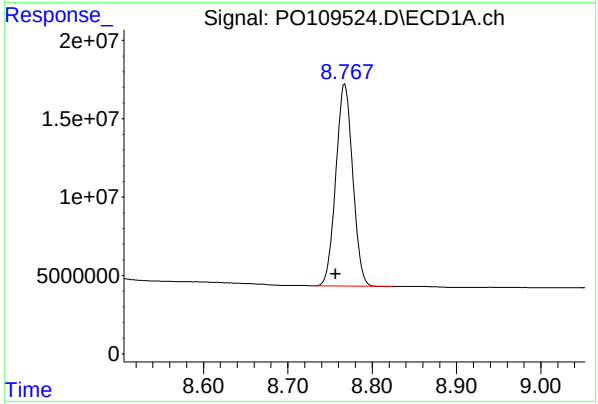
R.T.: 3.703 min
Delta R.T.: 0.005 min
Response: 208301056
Conc: 22.01 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB166892BL



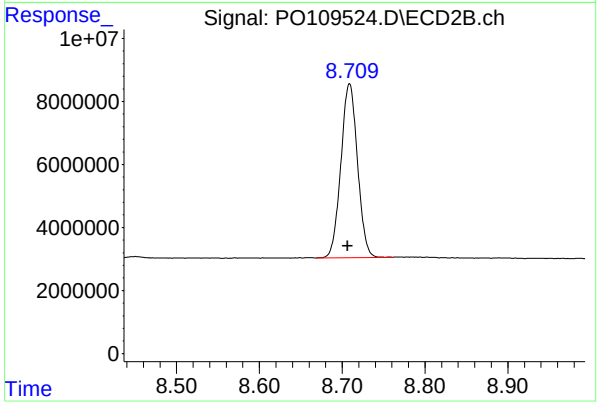
#1 Tetrachloro-m-xylene

R.T.: 3.692 min
Delta R.T.: -0.001 min
Response: 114789472
Conc: 21.93 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.767 min
Delta R.T.: 0.011 min
Response: 179158798
Conc: 20.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.709 min
Delta R.T.: 0.002 min
Response: 77049099
Conc: 24.20 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022725\
Data File : PO109525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2025 13:35
Operator : YP/AJ
Sample : PB166892BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB166892BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 15:37:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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...	3.696	3.692	192.3E6	107.1E6	20.320	20.468
2)	SA Decachlor...	8.756	8.705	178.2E6	74224060	20.717	23.310
	Target Compounds						
3)	L1 AR-1016-1	4.791	4.776	145.4E6	76349779	471.642	488.887
4)	L1 AR-1016-2	4.810	4.795	199.0E6	106.4E6	472.565	491.515
5)	L1 AR-1016-3	4.867	4.971	138.9E6	58644483	469.567	490.949
6)	L1 AR-1016-4	4.987	5.012	109.7E6	48688790	473.490	467.844
7)	L1 AR-1016-5	5.245	5.226	116.3E6	63116626	450.199	463.229
31)	L7 AR-1260-1	6.288	6.259	224.6E6	117.0E6	481.887	493.764
32)	L7 AR-1260-2	6.476	6.446	273.6E6	138.1E6	484.120	502.014
33)	L7 AR-1260-3	6.845	6.599	198.8E6	129.1E6	417.963	506.100
34)	L7 AR-1260-4	7.105	7.072	184.7E6	91305643	427.943	442.818
35)	L7 AR-1260-5	7.347	7.312	435.8E6	205.7E6	438.531	459.418

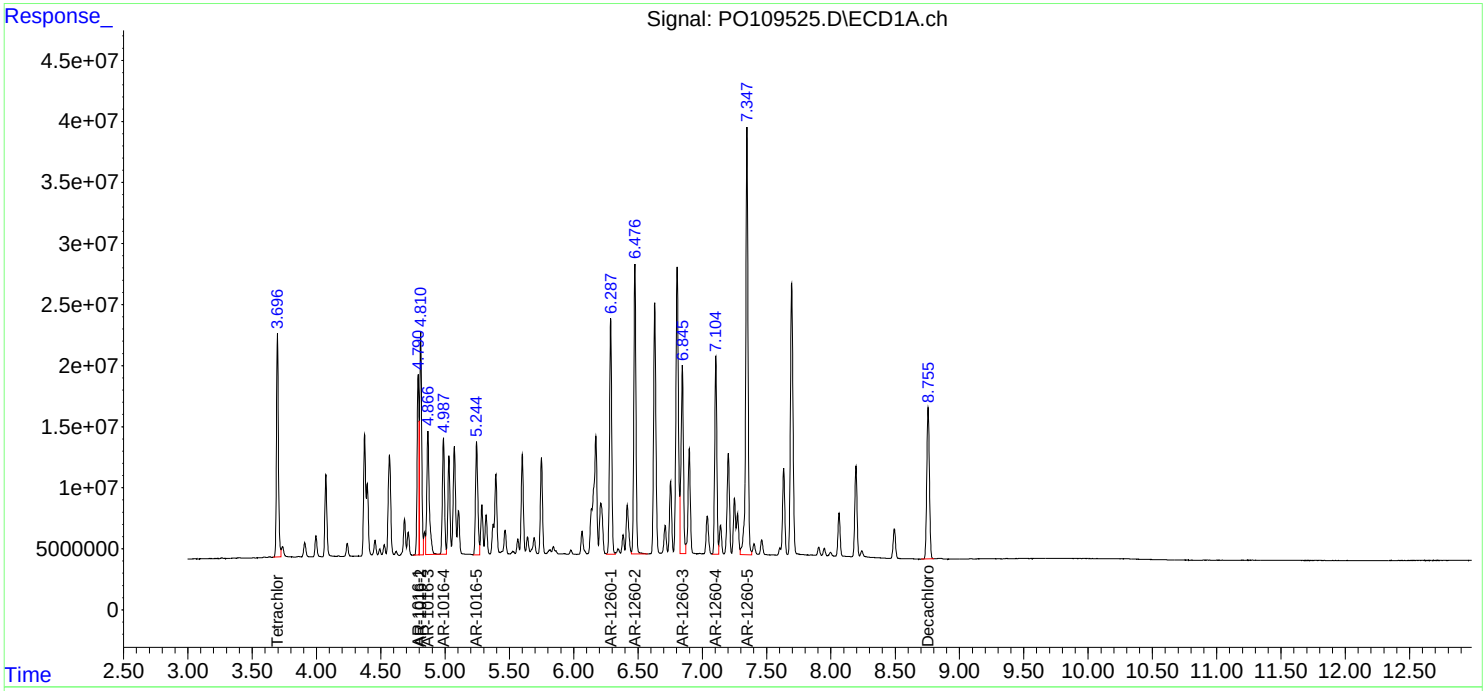
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

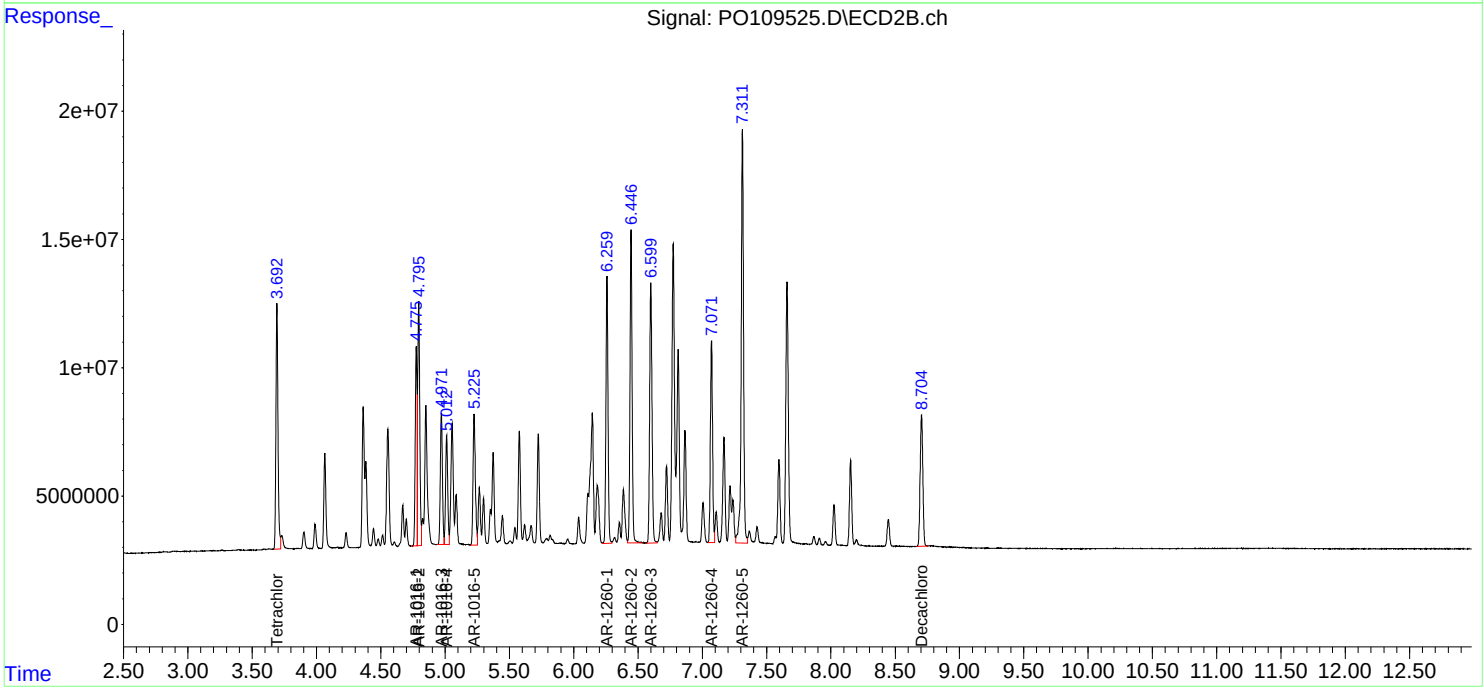
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022725\
Data File : PO109525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2025 13:35
Operator : YP/AJ
Sample : PB166892BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB166892BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 27 15:37:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022725\
Data File : PO109542.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2025 21:44
Operator : YP/AJ
Sample : Q1442-03MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
351MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 28 03:48:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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...	3.697	3.695	169.1E6	98647373	17.861	18.847	
2)	SA Decachlor...	8.756	8.707	106.6E6	46702106	12.395	14.667	
	Target Compounds							
3)	L1 AR-1016-1	4.791	4.778	132.6E6	75270114	430.063	481.974	
4)	L1 AR-1016-2	4.810	4.798	207.0E6	121.0E6	491.603	559.221	
5)	L1 AR-1016-3	4.867	4.973	120.9E6	53578254	408.762	448.537	
6)	L1 AR-1016-4	4.987	5.015	90112202	42553038	388.783	408.886	
7)	L1 AR-1016-5	5.245	5.229	100.1E6	64452034	387.716	473.030	
31)	L7 AR-1260-1	6.287	6.261	184.8E6	100.5E6	396.395	424.083	
32)	L7 AR-1260-2	6.476	6.448	218.3E6	111.6E6	386.334	405.460	
33)	L7 AR-1260-3	6.844	6.602	158.5E6	111.5E6	333.319	437.136	#
34)	L7 AR-1260-4	7.105	7.074	169.2E6	98688807	392.039	478.625	
35)	L7 AR-1260-5	7.346	7.315	306.5E6	170.5E6	308.412	380.719	

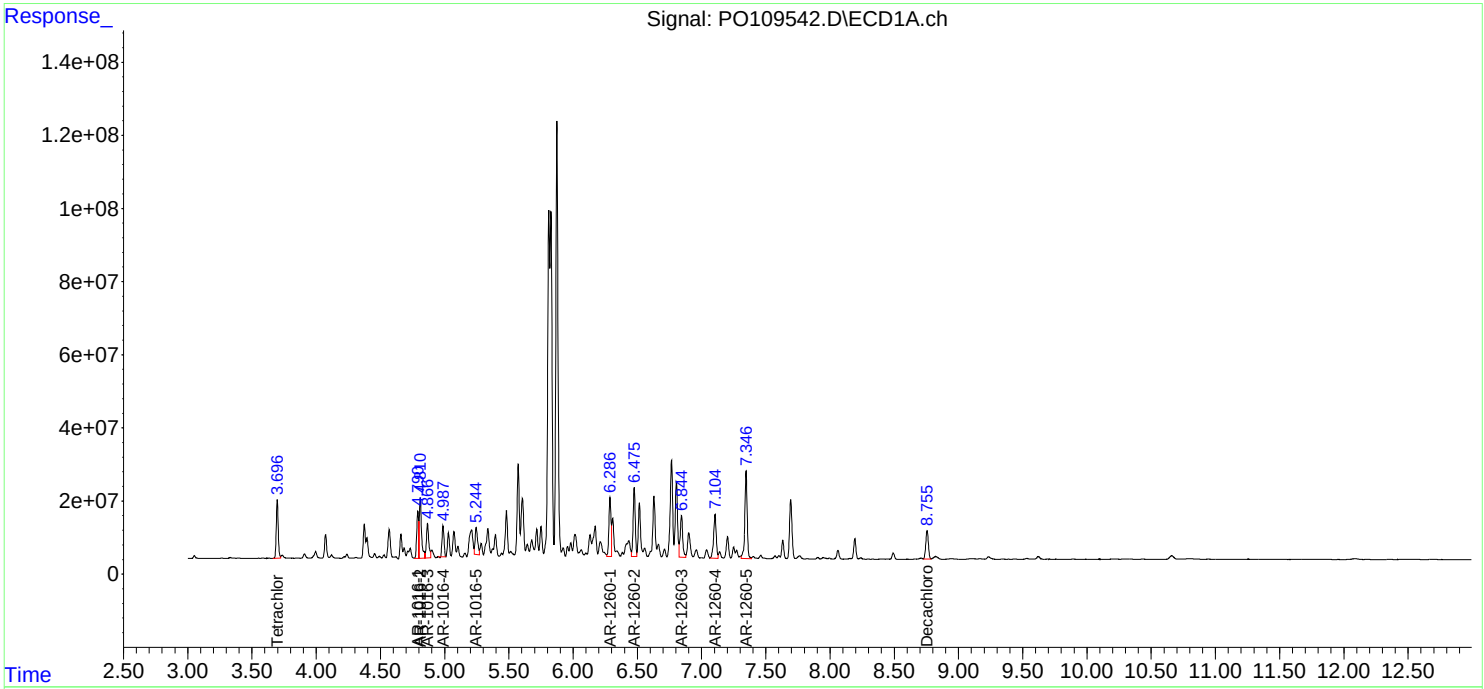
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

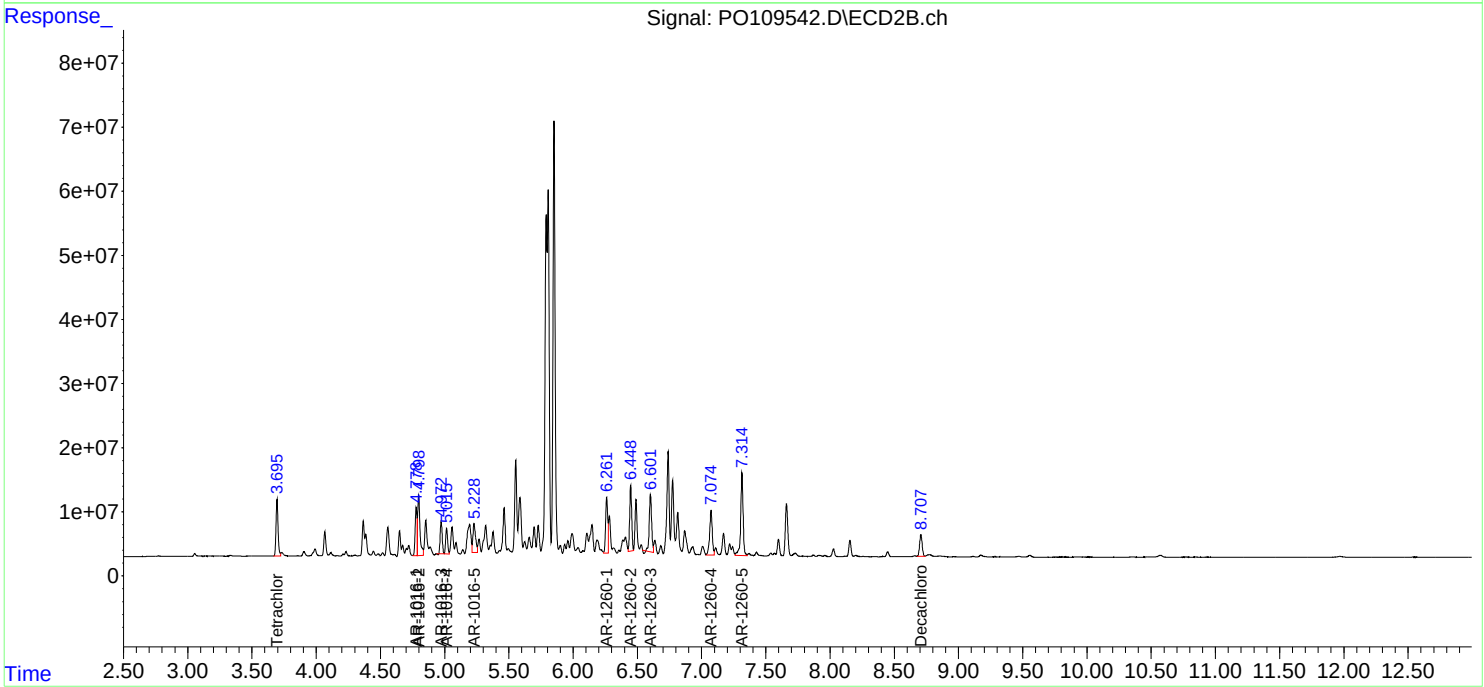
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022725\
Data File : PO109542.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2025 21:44
Operator : YP/AJ
Sample : Q1442-03MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
351MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 28 03:48:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022725\
Data File : PO109543.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2025 22:02
Operator : YP/AJ
Sample : Q1442-03MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
351MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 28 03:25:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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...	3.697	3.695	170.2E6	98420714	17.977	18.803
2)	SA Decachlor...	8.754	8.706	113.3E6	47539004	13.172m	14.929
	Target Compounds						
3)	L1 AR-1016-1	4.791	4.778	137.4E6	76177256	445.621	487.783
4)	L1 AR-1016-2	4.810	4.797	189.6E6	110.3E6	450.434m	509.420m
5)	L1 AR-1016-3	4.866	4.972	126.6E6	58844521	427.993	492.624m
6)	L1 AR-1016-4	4.987	5.015	105.9E6	43392991	456.730m	416.957
7)	L1 AR-1016-5	5.245	5.229	120.0E6	66380417	464.884m	487.183
31)	L7 AR-1260-1	6.287	6.261	201.1E6	102.0E6	431.371	430.642
32)	L7 AR-1260-2	6.475	6.449	236.4E6	113.9E6	418.268	413.901
33)	L7 AR-1260-3	6.844	6.601	167.9E6	123.1E6	353.014	482.531m#
34)	L7 AR-1260-4	7.105	7.074	175.7E6	100.4E6	407.110	487.046
35)	L7 AR-1260-5	7.347	7.314	319.0E6	175.5E6	320.977	391.866

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO022725\
Data File : PO109543.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Feb 2025 22:02
Operator : YP/AJ
Sample : Q1442-03MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

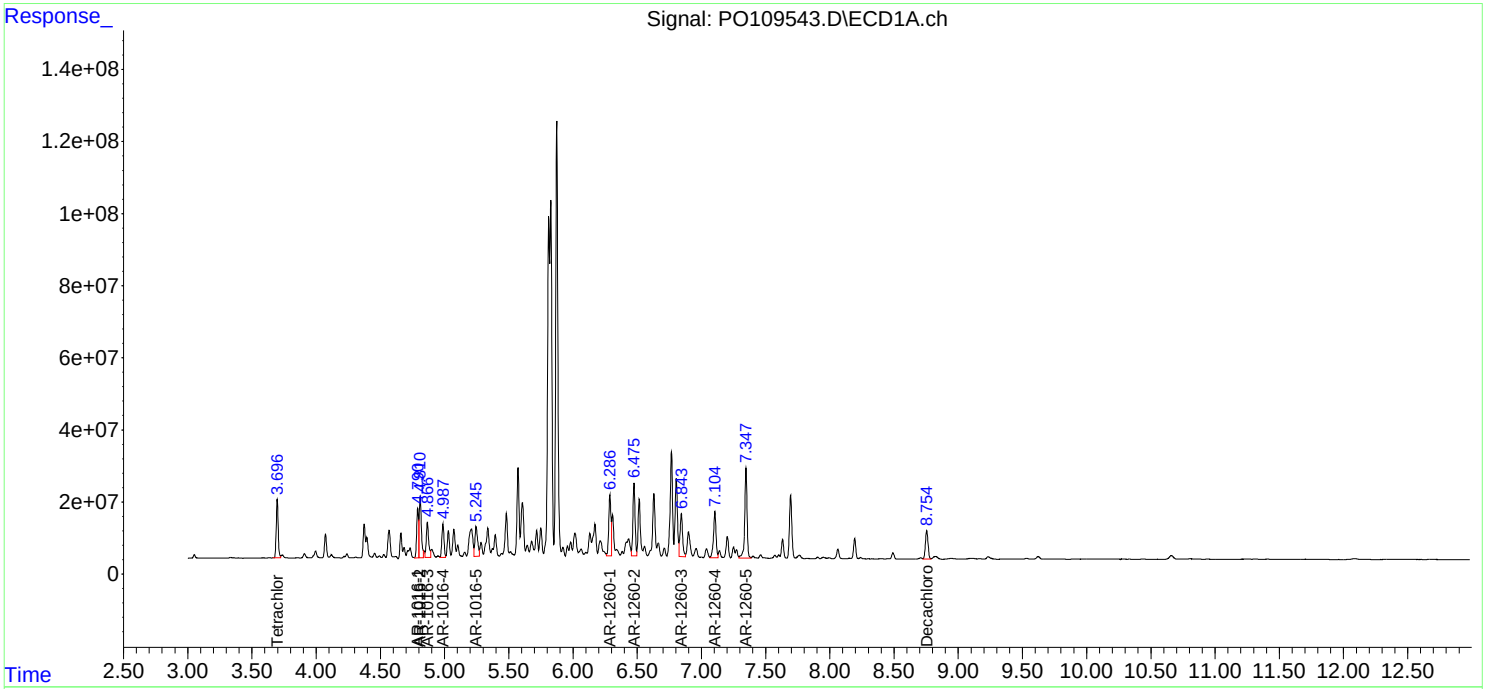
Instrument :
ECD_O
ClientSampleId :
351MSD

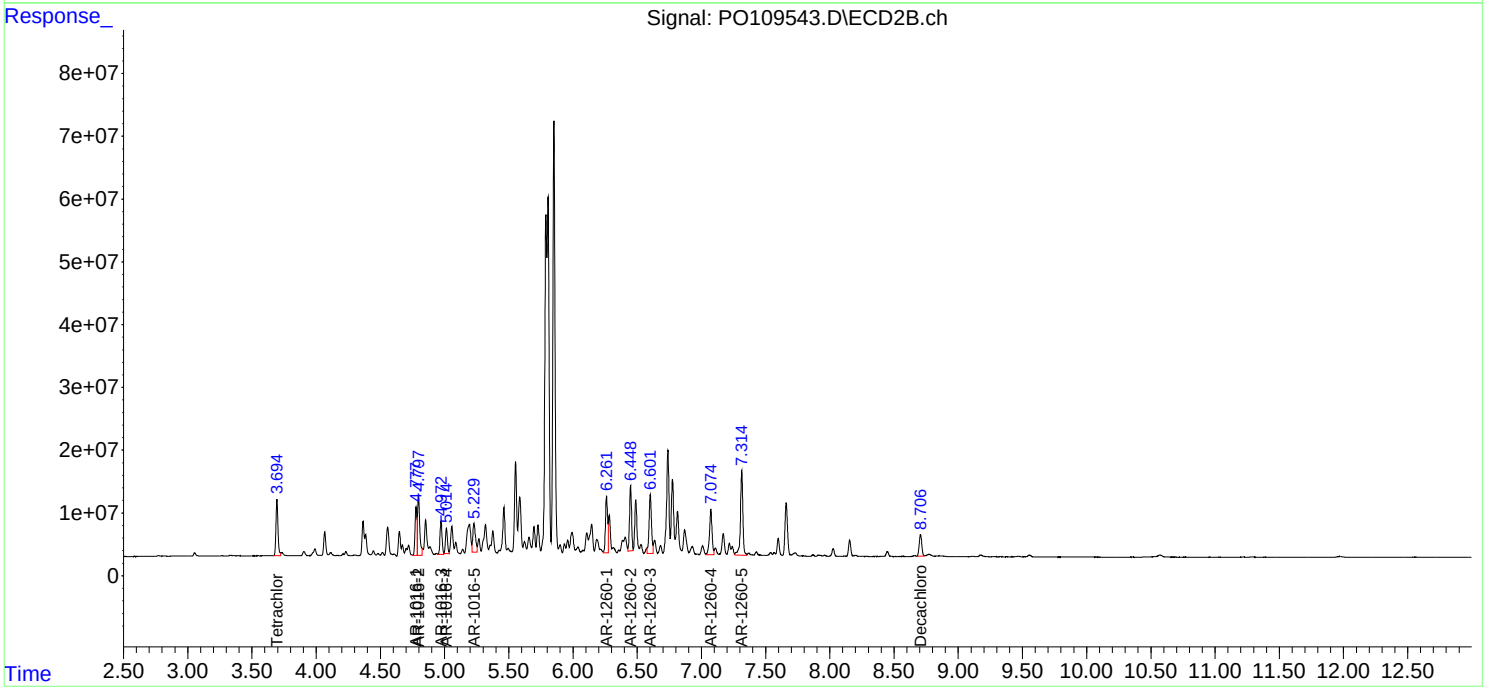
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :Ankita Jodhani 02/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 28 03:25:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 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





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

Manual Integration Report

Sequence:	PO022025	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PO109437.D	AR-1242-5	yogesh	2/21/2025 8:09:35 AM	Ankita	2/21/2025 9:30:25	Peak Integrated by Software
AR1242ICC050	PO109437.D	AR-1242-5 #2	yogesh	2/21/2025 8:09:35 AM	Ankita	2/21/2025 9:30:25	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-4	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-4 #2	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-5	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-5 #2	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-1	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-1 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-2 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-3	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-3 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-4	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO022025	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PO109447.D	AR-1254-4 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	Tetrachloro-m-xylene	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO022725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1442-03MSD	PO109543.D	AR-1016-2	yogesh	2/28/2025 10:07:26 AM	Ankita	2/28/2025 12:43:53	Peak Integrated by Software
Q1442-03MSD	PO109543.D	AR-1016-2 #2	yogesh	2/28/2025 10:07:26 AM	Ankita	2/28/2025 12:43:53	Peak Integrated by Software
Q1442-03MSD	PO109543.D	AR-1016-3 #2	yogesh	2/28/2025 10:07:26 AM	Ankita	2/28/2025 12:43:53	Peak Integrated by Software
Q1442-03MSD	PO109543.D	AR-1016-4	yogesh	2/28/2025 10:07:26 AM	Ankita	2/28/2025 12:43:53	Peak Integrated by Software
Q1442-03MSD	PO109543.D	AR-1016-5	yogesh	2/28/2025 10:07:26 AM	Ankita	2/28/2025 12:43:53	Peak Integrated by Software
Q1442-03MSD	PO109543.D	AR-1260-3 #2	yogesh	2/28/2025 10:07:26 AM	Ankita	2/28/2025 12:43:53	Peak Integrated by Software
Q1442-03MSD	PO109543.D	Decachlorobiphenyl	yogesh	2/28/2025 10:07:26 AM	Ankita	2/28/2025 12:43:53	Peak Integrated by Software
Q1447-01	PO109545.D	AR-1260-2 #2	yogesh	2/28/2025 10:07:28 AM	Ankita	2/28/2025 12:43:56	Peak Integrated by Software
Q1447-01	PO109545.D	AR-1260-3 #2	yogesh	2/28/2025 10:07:28 AM	Ankita	2/28/2025 12:43:56	Peak Integrated by Software
Q1447-01	PO109545.D	AR-1260-4 #2	yogesh	2/28/2025 10:07:28 AM	Ankita	2/28/2025 12:43:56	Peak Integrated by Software
Q1447-01	PO109545.D	Decachlorobiphenyl	yogesh	2/28/2025 10:07:28 AM	Ankita	2/28/2025 12:43:56	Peak Integrated by Software
Q1447-01	PO109545.D	Decachlorobiphenyl #2	yogesh	2/28/2025 10:07:28 AM	Ankita	2/28/2025 12:43:56	Peak Integrated by Software
I.BLK	PO109574.D	Decachlorobiphenyl	yogesh	2/28/2025 10:07:47 AM	Ankita	2/28/2025 12:44:08	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO022725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO109424.D	20 Feb 2025 16:09	YP/AJ	Ok
2	I.BLK	PO109425.D	20 Feb 2025 16:28	YP/AJ	Ok
3	AR1660ICC1000	PO109426.D	20 Feb 2025 16:46	YP/AJ	Ok
4	AR1660ICC750	PO109427.D	20 Feb 2025 17:04	YP/AJ	Ok
5	AR1660ICC500	PO109428.D	20 Feb 2025 17:23	YP/AJ	Ok
6	AR1660ICC250	PO109429.D	20 Feb 2025 17:41	YP/AJ	Ok
7	AR1660ICC050	PO109430.D	20 Feb 2025 17:59	YP/AJ	Ok
8	AR1221ICC500	PO109431.D	20 Feb 2025 18:18	YP/AJ	Ok
9	AR1232ICC500	PO109432.D	20 Feb 2025 18:36	YP/AJ	Ok
10	AR1242ICC1000	PO109433.D	20 Feb 2025 18:55	YP/AJ	Ok
11	AR1242ICC750	PO109434.D	20 Feb 2025 19:13	YP/AJ	Ok
12	AR1242ICC500	PO109435.D	20 Feb 2025 19:31	YP/AJ	Ok
13	AR1242ICC250	PO109436.D	20 Feb 2025 19:50	YP/AJ	Ok
14	AR1242ICC050	PO109437.D	20 Feb 2025 20:08	YP/AJ	Ok,M
15	AR1248ICC1000	PO109438.D	20 Feb 2025 20:26	YP/AJ	Ok
16	AR1248ICC750	PO109439.D	20 Feb 2025 20:45	YP/AJ	Ok
17	AR1248ICC500	PO109440.D	20 Feb 2025 21:03	YP/AJ	Ok
18	AR1248ICC250	PO109441.D	20 Feb 2025 21:21	YP/AJ	Ok
19	AR1248ICC050	PO109442.D	20 Feb 2025 21:40	YP/AJ	Ok,M
20	AR1254ICC1000	PO109443.D	20 Feb 2025 21:58	YP/AJ	Ok
21	AR1254ICC750	PO109444.D	20 Feb 2025 22:17	YP/AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO109445.D	20 Feb 2025 22:35	YP/AJ	Ok
23	AR1254ICC250	PO109446.D	20 Feb 2025 22:53	YP/AJ	Ok
24	AR1254ICC050	PO109447.D	20 Feb 2025 23:12	YP/AJ	Ok,M
25	AR1262ICC500	PO109448.D	20 Feb 2025 23:30	YP/AJ	Ok
26	AR1268ICC1000	PO109449.D	20 Feb 2025 23:48	YP/AJ	Ok
27	AR1268ICC750	PO109450.D	21 Feb 2025 00:07	YP/AJ	Ok
28	AR1268ICC500	PO109451.D	21 Feb 2025 00:25	YP/AJ	Ok
29	AR1268ICC250	PO109452.D	21 Feb 2025 00:43	YP/AJ	Ok
30	AR1268ICC050	PO109453.D	21 Feb 2025 01:02	YP/AJ	Ok
31	PO022025ICV500	PO109454.D	21 Feb 2025 01:20	YP/AJ	Ok
32	AR1242ICV500	PO109455.D	21 Feb 2025 01:38	YP/AJ	Ok
33	AR1248ICV500	PO109456.D	21 Feb 2025 01:57	YP/AJ	Ok
34	AR1254ICV500	PO109457.D	21 Feb 2025 02:15	YP/AJ	Ok
35	AR1268ICV500	PO109458.D	21 Feb 2025 02:34	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022725

Review By	yogesh	Review On	2/28/2025 12:43:01 PM		
Supervise By	Ankita	Supervise On	2/28/2025 12:44:27 PM		
SubDirectory	PO022725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO109517.D	27 Feb 2025 10:13	YP/AJ	Ok
2	AR1660CCC500	PO109518.D	27 Feb 2025 10:32	YP/AJ	Ok
3	AR1242CCC500	PO109519.D	27 Feb 2025 10:50	YP/AJ	Ok
4	AR1248CCC500	PO109520.D	27 Feb 2025 11:08	YP/AJ	Ok
5	AR1254CCC500	PO109521.D	27 Feb 2025 11:27	YP/AJ	Ok
6	I.BLK	PO109522.D	27 Feb 2025 11:45	YP/AJ	Ok
7	PP24209	PO109523.D	27 Feb 2025 12:03	YP/AJ	Ok
8	PB166892BL	PO109524.D	27 Feb 2025 13:16	YP/AJ	Ok
9	PB166892BS	PO109525.D	27 Feb 2025 13:35	YP/AJ	Ok
10	Q1438-02	PO109526.D	27 Feb 2025 13:53	YP/AJ	Dilution
11	Q1438-04	PO109527.D	27 Feb 2025 14:11	YP/AJ	Dilution
12	Q1438-06	PO109528.D	27 Feb 2025 14:30	YP/AJ	Dilution
13	Q1438-07	PO109529.D	27 Feb 2025 14:48	YP/AJ	Dilution
14	Q1438-08	PO109530.D	27 Feb 2025 15:06	YP/AJ	Dilution
15	Q1438-10	PO109531.D	27 Feb 2025 15:25	YP/AJ	Dilution
16	Q1440-01	PO109532.D	27 Feb 2025 15:43	YP/AJ	Ok
17	AR1660CCC500	PO109533.D	27 Feb 2025 17:49	YP/AJ	Ok
18	AR1242CCC500	PO109534.D	27 Feb 2025 18:07	YP/AJ	Ok
19	AR1248CCC500	PO109535.D	27 Feb 2025 18:26	YP/AJ	Ok
20	AR1254CCC500	PO109536.D	27 Feb 2025 19:53	YP/AJ	Ok
21	I.BLK	PO109537.D	27 Feb 2025 20:12	YP/AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022725

Review By	yogesh	Review On	2/28/2025 12:43:01 PM		
Supervise By	Ankita	Supervise On	2/28/2025 12:44:27 PM		
SubDirectory	PO022725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1441-01	PO109538.D	27 Feb 2025 20:30	YP/AJ	Ok
23	Q1442-01	PO109539.D	27 Feb 2025 20:49	YP/AJ	Ok
24	Q1442-02	PO109540.D	27 Feb 2025 21:07	YP/AJ	Ok
25	Q1442-03	PO109541.D	27 Feb 2025 21:26	YP/AJ	Ok
26	Q1442-03MS	PO109542.D	27 Feb 2025 21:44	YP/AJ	Ok
27	Q1442-03MSD	PO109543.D	27 Feb 2025 22:02	YP/AJ	Ok,M
28	Q1443-01	PO109544.D	27 Feb 2025 22:21	YP/AJ	Ok
29	Q1447-01	PO109545.D	27 Feb 2025 22:39	YP/AJ	Ok,M
30	PB166889BL	PO109546.D	27 Feb 2025 22:57	YP/AJ	Ok
31	PB166889BS	PO109547.D	27 Feb 2025 23:16	YP/AJ	Ok
32	AR1660CCC500	PO109548.D	28 Feb 2025 00:02	YP/AJ	Ok
33	AR1242CCC500	PO109549.D	28 Feb 2025 00:21	YP/AJ	Ok
34	AR1248CCC500	PO109550.D	28 Feb 2025 00:38	YP/AJ	Ok
35	AR1254CCC500	PO109551.D	28 Feb 2025 00:57	YP/AJ	Ok
36	I.BLK	PO109552.D	28 Feb 2025 01:14	YP/AJ	Ok
37	Q1433-01	PO109553.D	28 Feb 2025 01:32	YP/AJ	Dilution
38	Q1433-02	PO109554.D	28 Feb 2025 01:50	YP/AJ	Not Ok
39	Q1433-04	PO109555.D	28 Feb 2025 02:08	YP/AJ	Dilution
40	Q1433-05	PO109556.D	28 Feb 2025 02:26	YP/AJ	Dilution
41	Q1433-07	PO109557.D	28 Feb 2025 02:45	YP/AJ	Dilution
42	Q1433-08	PO109558.D	28 Feb 2025 03:03	YP/AJ	Dilution
43	Q1433-10	PO109559.D	28 Feb 2025 03:21	YP/AJ	Dilution
44	Q1434-01	PO109560.D	28 Feb 2025 03:39	YP/AJ	Dilution

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Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022725

Review By	yogesh	Review On	2/28/2025 12:43:01 PM		
Supervise By	Ankita	Supervise On	2/28/2025 12:44:27 PM		
SubDirectory	PO022725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q1434-03	PO109561.D	28 Feb 2025 03:57	YP/AJ	Dilution
46	Q1434-03MS	PO109562.D	28 Feb 2025 04:16	YP/AJ	Ok
47	Q1434-03MSD	PO109563.D	28 Feb 2025 04:34	YP/AJ	Ok
48	Q1434-04	PO109564.D	28 Feb 2025 04:52	YP/AJ	Dilution
49	Q1434-06	PO109565.D	28 Feb 2025 05:11	YP/AJ	Dilution
50	Q1434-08	PO109566.D	28 Feb 2025 05:29	YP/AJ	Dilution
51	Q1434-09	PO109567.D	28 Feb 2025 05:46	YP/AJ	Dilution
52	Q1436-01	PO109568.D	28 Feb 2025 06:05	YP/AJ	Dilution
53	Q1436-04	PO109569.D	28 Feb 2025 06:23	YP/AJ	Dilution
54	Q1436-07	PO109570.D	28 Feb 2025 06:42	YP/AJ	Dilution
55	Q1436-10	PO109571.D	28 Feb 2025 07:00	YP/AJ	Dilution
56	Q1437-03	PO109572.D	28 Feb 2025 07:18	YP/AJ	Dilution
57	AR1660CCC500	PO109573.D	28 Feb 2025 08:19	YP/AJ	Ok
58	I.BLK	PO109574.D	28 Feb 2025 08:38	YP/AJ	Ok,M
59	Q1437-06	PO109575.D	28 Feb 2025 08:55	YP/AJ	Dilution
60	Q1437-09	PO109576.D	28 Feb 2025 09:14	YP/AJ	Dilution
61	AR1660CC500	PO109577.D	28 Feb 2025 10:00	YP/AJ	Ok
62	I.BLK	PO109578.D	28 Feb 2025 10:19	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO109424.D	20 Feb 2025 16:09		YP/AJ	Ok
2	I.BLK	I.BLK	PO109425.D	20 Feb 2025 16:28		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO109426.D	20 Feb 2025 16:46		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO109427.D	20 Feb 2025 17:04		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO109428.D	20 Feb 2025 17:23		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO109429.D	20 Feb 2025 17:41		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO109430.D	20 Feb 2025 17:59		YP/AJ	Ok
8	AR1221ICC500	AR1221ICC500	PO109431.D	20 Feb 2025 18:18		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO109432.D	20 Feb 2025 18:36		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO109433.D	20 Feb 2025 18:55		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO109434.D	20 Feb 2025 19:13		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO109435.D	20 Feb 2025 19:31		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO109436.D	20 Feb 2025 19:50		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO109437.D	20 Feb 2025 20:08		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO109438.D	20 Feb 2025 20:26		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO109439.D	20 Feb 2025 20:45		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO109440.D	20 Feb 2025 21:03		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO109441.D	20 Feb 2025 21:21		YP/AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO109442.D	20 Feb 2025 21:40		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO109443.D	20 Feb 2025 21:58		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO109444.D	20 Feb 2025 22:17		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO109445.D	20 Feb 2025 22:35		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO109446.D	20 Feb 2025 22:53		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO109447.D	20 Feb 2025 23:12		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO109448.D	20 Feb 2025 23:30		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO109449.D	20 Feb 2025 23:48		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO109450.D	21 Feb 2025 00:07		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO109451.D	21 Feb 2025 00:25		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO109452.D	21 Feb 2025 00:43		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO109453.D	21 Feb 2025 01:02		YP/AJ	Ok
31	PO022025ICV500	ICVPO022025	PO109454.D	21 Feb 2025 01:20		YP/AJ	Ok
32	AR1242ICV500	ICVPO022025AR1242	PO109455.D	21 Feb 2025 01:38		YP/AJ	Ok
33	AR1248ICV500	ICVPO022025AR1248	PO109456.D	21 Feb 2025 01:57		YP/AJ	Ok
34	AR1254ICV500	ICVPO022025AR1254	PO109457.D	21 Feb 2025 02:15		YP/AJ	Ok
35	AR1268ICV500	ICVPO022025AR1268	PO109458.D	21 Feb 2025 02:34		YP/AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022725

Review By	yogesh	Review On	2/28/2025 12:43:01 PM		
Supervise By	Ankita	Supervise On	2/28/2025 12:44:27 PM		
SubDirectory	PO022725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO109517.D	27 Feb 2025 10:13		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO109518.D	27 Feb 2025 10:32		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO109519.D	27 Feb 2025 10:50		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO109520.D	27 Feb 2025 11:08		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO109521.D	27 Feb 2025 11:27		YP/AJ	Ok
6	I.BLK	I.BLK	PO109522.D	27 Feb 2025 11:45		YP/AJ	Ok
7	PP24209	PP24209	PO109523.D	27 Feb 2025 12:03		YP/AJ	Ok
8	PB166892BL	PB166892BL	PO109524.D	27 Feb 2025 13:16		YP/AJ	Ok
9	PB166892BS	PB166892BS	PO109525.D	27 Feb 2025 13:35		YP/AJ	Ok
10	Q1438-02	K084-15B	PO109526.D	27 Feb 2025 13:53	DCB High in both column, AR1254 + AR1268 Hit, Need Dilution	YP/AJ	Dilution
11	Q1438-04	K084-16B	PO109527.D	27 Feb 2025 14:11	DCB High in both column, AR1254 + AR1268 Hit, Need Dilution	YP/AJ	Dilution
12	Q1438-06	K084-DUP1	PO109528.D	27 Feb 2025 14:30	DCB High in both column, AR1254 + AR1268 Hit, Need Dilution	YP/AJ	Dilution
13	Q1438-07	K084-DUP2	PO109529.D	27 Feb 2025 14:48	AR1254 + AR1268 Hit, Need Dilution	YP/AJ	Dilution
14	Q1438-08	K084-DUP3	PO109530.D	27 Feb 2025 15:06	DCB High in both column, AR1254 + AR1268 Hit, Need Dilution	YP/AJ	Dilution

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Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022725

Review By	yogesh	Review On	2/28/2025 12:43:01 PM		
Supervise By	Ankita	Supervise On	2/28/2025 12:44:27 PM		
SubDirectory	PO022725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

15	Q1438-10	K084-DUP5	PO109531.D	27 Feb 2025 15:25	DCB High in both column, AR1254 + AR1268 Hit, Need Dilution	YP/AJ	Dilution
16	Q1440-01	OR-02-022625	PO109532.D	27 Feb 2025 15:43		YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO109533.D	27 Feb 2025 17:49		YP/AJ	Ok
18	AR1242CCC500	AR1242CCC500	PO109534.D	27 Feb 2025 18:07		YP/AJ	Ok
19	AR1248CCC500	AR1248CCC500	PO109535.D	27 Feb 2025 18:26		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO109536.D	27 Feb 2025 19:53		YP/AJ	Ok
21	I.BLK	I.BLK	PO109537.D	27 Feb 2025 20:12		YP/AJ	Ok
22	Q1441-01	HD-02-022625	PO109538.D	27 Feb 2025 20:30		YP/AJ	Ok
23	Q1442-01	280	PO109539.D	27 Feb 2025 20:49		YP/AJ	Ok
24	Q1442-02	281	PO109540.D	27 Feb 2025 21:07	AR1260 Hit	YP/AJ	Ok
25	Q1442-03	351	PO109541.D	27 Feb 2025 21:26		YP/AJ	Ok
26	Q1442-03MS	351MS	PO109542.D	27 Feb 2025 21:44		YP/AJ	Ok
27	Q1442-03MSD	351MSD	PO109543.D	27 Feb 2025 22:02		YP/AJ	Ok,M
28	Q1443-01	3733	PO109544.D	27 Feb 2025 22:21		YP/AJ	Ok
29	Q1447-01	WC1	PO109545.D	27 Feb 2025 22:39	AR1260 Hit	YP/AJ	Ok,M
30	PB166889BL	PB166889BL	PO109546.D	27 Feb 2025 22:57		YP/AJ	Ok
31	PB166889BS	PB166889BS	PO109547.D	27 Feb 2025 23:16		YP/AJ	Ok
32	AR1660CCC500	AR1660CCC500	PO109548.D	28 Feb 2025 00:02		YP/AJ	Ok
33	AR1242CCC500	AR1242CCC500	PO109549.D	28 Feb 2025 00:21		YP/AJ	Ok

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022725

Review By	yogesh	Review On	2/28/2025 12:43:01 PM		
Supervise By	Ankita	Supervise On	2/28/2025 12:44:27 PM		
SubDirectory	PO022725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

34	AR1248CCC500	AR1248CCC500	PO109550.D	28 Feb 2025 00:38		YP/AJ	Ok
35	AR1254CCC500	AR1254CCC500	PO109551.D	28 Feb 2025 00:57		YP/AJ	Ok
36	I.BLK	I.BLK	PO109552.D	28 Feb 2025 01:14		YP/AJ	Ok
37	Q1433-01	K084-1A	PO109553.D	28 Feb 2025 01:32	DCB High in both column, AR1254 + AR1268 Hit, Need Dilution	YP/AJ	Dilution
38	Q1433-02	K084-1B	PO109554.D	28 Feb 2025 01:50	will be reanalzyed	YP/AJ	Not Ok
39	Q1433-04	K084-2A	PO109555.D	28 Feb 2025 02:08	DCB High in both column, AR1254 + AR1268 Hit, Need Dilution	YP/AJ	Dilution
40	Q1433-05	K084-2B	PO109556.D	28 Feb 2025 02:26	DCB High in both column, AR1254 + AR1268 Hit, Need Dilution	YP/AJ	Dilution
41	Q1433-07	K084-3A	PO109557.D	28 Feb 2025 02:45	DCB High in both column, AR1254 + AR1268 Hit, Need Dilution	YP/AJ	Dilution
42	Q1433-08	K084-3B	PO109558.D	28 Feb 2025 03:03	DCB High in both column, AR1254 + AR1268 Hit, Need Dilution	YP/AJ	Dilution
43	Q1433-10	K084-4A	PO109559.D	28 Feb 2025 03:21	DCB High in both column, AR1254 + AR1268 Hit, Need Dilution	YP/AJ	Dilution
44	Q1434-01	K084-4B	PO109560.D	28 Feb 2025 03:39	AR1254,AR1268 hit Need Dilution	YP/AJ	Dilution
45	Q1434-03	K084-5A	PO109561.D	28 Feb 2025 03:57	AR1254, AR1268 hit Need Dilution	YP/AJ	Dilution
46	Q1434-03MS	K084-5AMS	PO109562.D	28 Feb 2025 04:16	DCB High in both column, Recovery Fail	YP/AJ	Ok
47	Q1434-03MSD	K084-5AMSD	PO109563.D	28 Feb 2025 04:34	DCB High in both column, Recovery Fail	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022725

Review By	yogesh	Review On	2/28/2025 12:43:01 PM		
Supervise By	Ankita	Supervise On	2/28/2025 12:44:27 PM		
SubDirectory	PO022725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

48	Q1434-04	K084-5B	PO109564.D	28 Feb 2025 04:52	AR1254, AR1268 hit Need Dilution	YP/AJ	Dilution
49	Q1434-06	K084-6B	PO109565.D	28 Feb 2025 05:11	DCB High in both column, AR1254 + AR1268 Hit, Need Dilution	YP/AJ	Dilution
50	Q1434-08	K084-7A	PO109566.D	28 Feb 2025 05:29	DCB High in both column, AR1254 + AR1268 Hit , Need Dilution	YP/AJ	Dilution
51	Q1434-09	K084-7B	PO109567.D	28 Feb 2025 05:46	DCB High in both column, AR1254 + AR1268 Hit , Need Dilution	YP/AJ	Dilution
52	Q1436-01	K084-8A	PO109568.D	28 Feb 2025 06:05	DCB High in both column, AR1254 + AR1268 Hit , Need Dilution	YP/AJ	Dilution
53	Q1436-04	K084-9A	PO109569.D	28 Feb 2025 06:23	DCB High in both column, AR1254 , AR1268 hit Need Dilution	YP/AJ	Dilution
54	Q1436-07	K084-10A	PO109570.D	28 Feb 2025 06:42	DCB High in both column, AR1254, AR1268 hit Need Dilution	YP/AJ	Dilution
55	Q1436-10	K084-11A	PO109571.D	28 Feb 2025 07:00	DCB High in both column, AR1254 + AR1268 Hit , Need Dilution	YP/AJ	Dilution
56	Q1437-03	K084-12A	PO109572.D	28 Feb 2025 07:18	DCB High in both column, AR1254 + AR1268 Hit , Need Dilution	YP/AJ	Dilution
57	AR1660CCC500	AR1660CCC500	PO109573.D	28 Feb 2025 08:19		YP/AJ	Ok
58	I.BLK	I.BLK	PO109574.D	28 Feb 2025 08:38		YP/AJ	Ok,M
59	Q1437-06	K084-13A	PO109575.D	28 Feb 2025 08:55	AR1254 + AR1268 Hit , Need Dilution	YP/AJ	Dilution
60	Q1437-09	K084-14A	PO109576.D	28 Feb 2025 09:14	DCB High in 2nd column,AR1254 + AR1268 Hit , Need Dilution	YP/AJ	Dilution

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022725

Review By	yogesh	Review On	2/28/2025 12:43:01 PM		
Supervise By	Ankita	Supervise On	2/28/2025 12:44:27 PM		
SubDirectory	PO022725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

61	AR1660CC500	AR1660CC500	PO109577.D	28 Feb 2025 10:00		YP/AJ	Ok
62	I.BLK	I.BLK	PO109578.D	28 Feb 2025 10:19		YP/AJ	Ok

M : Manual Integration

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EXTRACTION LOGPAGE

PB166892

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

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 : 02/27/2025

Extraction Start Time : 09:56

Extraction End Date : 02/27/2025

Extraction End Time : 12:55

Concentration By: EH

Supervisor By : RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24093
Surrogate	1.0ML	200 PPB	PP24123
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	EP2583
Baked Na2SO4	N/A	EP2590
Sand	N/A	E2865
H2SO4 1:1	N/A	EP2565
Hexane	N/A	E3877
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. Q1442-01,Q1443-01 used Limited volume as sample are Oily Debris.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/27/25	RS (Ext Lab)	AJ / GCMS PCB Lab
13:00	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB166892

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 02/27/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166892BL	ABLK892	PCB Group1	30.03	N/A	ritesh	Evelyn	10			U6-1
PB166892BS	ALCS892	PCB Group1	30.02	N/A	ritesh	Evelyn	10			2
Q1438-02	KO84-15B	PCB Group1	30.02	N/A	ritesh	Evelyn	10			3
Q1438-04	KO84-16B	PCB Group1	30.06	N/A	ritesh	Evelyn	10			4
Q1438-06	KO84-DUP1	PCB Group1	30.01	N/A	ritesh	Evelyn	10			5
Q1438-07	KO84-DUP2	PCB Group1	30.05	N/A	ritesh	Evelyn	10			6
Q1438-08	KO84-DUP3	PCB Group1	30.08	N/A	ritesh	Evelyn	10			U7-1
Q1438-10	KO84-DUP5	PCB Group1	30.06	N/A	ritesh	Evelyn	10			2
Q1440-01	OR-02-022625	PCB	30.03	N/A	ritesh	Evelyn	10	D		3
Q1441-01	HD-02-022625	PCB	30.05	N/A	ritesh	Evelyn	10	D		4
Q1442-01	280	PCB	5.03	N/A	ritesh	Evelyn	10	D	Oily Debris	5
Q1442-02	281	PCB	30.01	N/A	ritesh	Evelyn	10	D	Small Particle	6
Q1442-03	351	PCB	30.03	N/A	ritesh	Evelyn	10	D		U3-1
Q1442-03MS	351MS	PCB	30.07	N/A	ritesh	Evelyn	10	D		2
Q1442-03MSD	351MSD	PCB	30.05	N/A	ritesh	Evelyn	10	D		3
Q1443-01	3733	PCB	5.08	N/A	ritesh	Evelyn	10	D	Oily Debris	4
Q1447-01	WC1	PCB	30.06	N/A	ritesh	Evelyn	10	B		5

RS 2/27

* **Extracts relinquished on the same date as received.**

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1438 **WorkList ID :** 187924 **Department :** Extraction **Date :** 02-27-2025 08:45:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1438-02	KO84-15B	Solid	PCB Group1	Cool 4 deg C	ATCE02	H11	02/25/2025	8082A
Q1438-04	KO84-16B	Solid	PCB Group1	Cool 4 deg C	ATCE02	H11	02/25/2025	8082A
Q1438-06	KO84-DUP1	Solid	PCB Group1	Cool 4 deg C	ATCE02	H11	02/25/2025	8082A
Q1438-07	KO84-DUP2	Solid	PCB Group1	Cool 4 deg C	ATCE02	H11	02/25/2025	8082A
Q1438-08	KO84-DUP3	Solid	PCB Group1	Cool 4 deg C	ATCE02	H11	02/25/2025	8082A
Q1438-10	KO84-DUP5	Solid	PCB Group1	Cool 4 deg C	ATCE02	H11	02/25/2025	8082A
Q1440-01	OR-02-022625	Solid	PCB	Cool 4 deg C	PSEG05	H41	02/26/2025	8082A
Q1441-01	HD-02-022625	Solid	PCB	Cool 4 deg C	PSEG05	H31	02/26/2025	8082A
Q1442-01	280	Solid	PCB	Cool 4 deg C	PSEG03	H31	02/26/2025	8082A
Q1442-02	281	Solid	PCB	Cool 4 deg C	PSEG03	H31	02/26/2025	8082A
Q1442-03	351	Solid	PCB	Cool 4 deg C	PSEG03	N31	02/26/2025	8082A
Q1443-01	3733	Solid	PCB	Cool 4 deg C	PSEG03	H31	02/26/2025	8082A
Q1447-01	WC1	Solid	PCB	Cool 4 deg C	GENV01	H33	02/23/2025	8082A

Date/Time 2/27/25 9:52
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: CA SM

Date/Time 2/27/25 10:20
Raw Sample Received by: CA SM
Raw Sample Relinquished by: RJ (Ext Lab)

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LAB CHRONICLE

OrderID:	Q1447	**OrderDate:**	2/26/2025 2:32:53 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1447-01	**WC1**	**SOIL**			**02/23/25**			**02/26/25**
			PCB	8082A		02/27/25	02/27/25	

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 13:10	03/05/25 7:38	PB166923

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	28.8		10	4.11	10.8	mg/kg	FC068362.D
Aliphatic C12-C16	Aliphatic C12-C16	94.9		10	2.60	7.21	mg/kg	FC068362.D
Aliphatic C16-C21	Aliphatic C16-C21	691		100	32.5	108	mg/kg	FC068363.D
Aliphatic C21-C28	Aliphatic C21-C28	1030		100	86.6	144	mg/kg	FC068363.D
Aliphatic C28-C40	Aliphatic C28-C40	992		100	194	216	mg/kg	FC068363.D
Aromatic C10-C12	Aromatic C10-C12	8.91		1	0.33	0.72	mg/kg	FD049147.D
Aromatic C12-C16	Aromatic C12-C16	8.79		1	0.37	1.08	mg/kg	FD049147.D
Aromatic C16-C21	Aromatic C16-C21	337		25	26.0	45.1	mg/kg	FD049153.D
Aromatic C21-C36	Aromatic C21-C36	724		25	54.1	72.1	mg/kg	FD049153.D
Total AliphaticEPH	Total AliphaticEPH	2840			320	486	mg/kg	
Total AromaticEPH	Total AromaticEPH	1080			80.8	119	mg/kg	
Total EPH	Total EPH	3920			401	605	mg/kg	

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

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Report of Analysis

Client:	G Environmental		Date Collected:	02/23/25	
Project:	Nelson		Date Received:	02/26/25	
Client Sample ID:	WC1		SDG No.:	Q1447	
Lab Sample ID:	Q1447-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	92.4	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068339.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		31.0	E	0.41	1.08	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		85.5	E	0.26	0.72	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		666	E	0.33	1.08	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		1050	E	0.87	1.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		841	E	1.95	2.16	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		47.7		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1447-01	Acq On:	28 Feb 2025 21:59
Client Sample ID:	WC1	Operator:	YP/AJ
Data file:	FC068339.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	60697755	430.372	300	ug/ml
Aliphatic C12-C16	6.370	9.754	161996459	1190	200	ug/ml
Aliphatic C16-C21	9.755	13.107	1215480389	9230	300	ug/ml
Aliphatic C21-C28	13.108	16.761	1780882408	14500	400	ug/ml
Aliphatic C28-C40	16.762	21.565	1199218443	11700	600	ug/ml
Aliphatic EPH	3.104	21.565	4418275454	37000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.867	12.867	5369083	47.74		ug/ml
Aliphatic C9-C28	3.104	16.761	3219057011	25400	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	02/23/25	
Project:	Nelson		Date Received:	02/26/25	
Client Sample ID:	WC1		SDG No.:	Q1447	
Lab Sample ID:	Q1447-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	92.4	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049147.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	8.91		0.33	0.72	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.79		0.37	1.08	mg/kg
Aromatic C16-C21	Aromatic C16-C21	324	E	1.04	1.80	mg/kg
Aromatic C21-C36	Aromatic C21-C36	649	E	2.16	2.89	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	57.0		40 - 140	114%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	60.9		40 - 140	122%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	67.8		40 - 140	136%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1447-01	Acq On:	28 Feb 2025 21:59
Client Sample ID:	WC1	Operator:	YP/AJ
Data file:	FD049147.D	Misc:	
Instrument:	FID_D	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	19651893	123.581	200	ug/ml
Aromatic C12-C16	5.795	8.396	19605543	121.822	300	ug/ml
Aromatic C16-C21	8.397	12.661	688928904	4490	500	ug/ml
Aromatic C21-C36	12.662	18.073	1288426151	9000	800	ug/ml
Aromatic EPH	4.076	18.073	2016612491	13700		ug/ml
2-Bromonaphthalene (SURR)	7.352	7.352	8151579	56.96		ug/ml
2-Flurobiphenyl (SURR)	8.203	8.203	5354108	60.9		ug/ml
ortho-Terphenyl (SURR)	11.247	11.247	10976009	67.85		ug/ml

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Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1DL	SDG No.:	Q1447
Lab Sample ID:	Q1447-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068362.D	10	02/27/25	03/05/25	PB166923

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		28.8		4.11	10.8	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		94.9		2.60	7.21	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		751	E	3.25	10.8	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		1080	E	8.66	14.4	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		845	E	19.5	21.6	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		5.36		40 - 140	107%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1447-01DL	Acq On:	05 Mar 2025 07:38
Client Sample ID:	WC1DL	Operator:	YP/AJ
Data file:	FC068362.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.366	5633233	39.942	300	ug/ml
Aliphatic C12-C16	6.367	9.750	17987236	131.626	200	ug/ml
Aliphatic C16-C21	9.751	13.103	137109125	1040	300	ug/ml
Aliphatic C21-C28	13.104	16.756	184283429	1500	400	ug/ml
Aliphatic C28-C40	16.757	21.558	120499928	1170	600	ug/ml
Aliphatic EPH	3.101	21.558	465512951	3890		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.837	12.837	603306	5.36		ug/ml
Aliphatic C9-C28	3.101	16.756	345013023	2720	1200	ug/ml

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Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1DL	SDG No.:	Q1447
Lab Sample ID:	Q1447-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049153.D	25	02/27/25	03/03/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	7.85	J	8.11	18.0	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.12	J	9.20	27.0	mg/kg
Aromatic C16-C21	Aromatic C16-C21	337		26.0	45.1	mg/kg
Aromatic C21-C36	Aromatic C21-C36	724		54.1	72.1	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	2.18		40 - 140	109%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	2.16		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	2.77		40 - 140	138%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1447-01DL	Acq On:	03 Mar 2025 10:26
Client Sample ID:	WC1DL	Operator:	YP/AJ
Data file:	FD049153.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	25	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.074	5.792	692573	4.355	200	ug/ml
Aromatic C12-C16	5.793	8.394	814410	5.06	300	ug/ml
Aromatic C16-C21	8.395	12.657	28674870	186.978	500	ug/ml
Aromatic C21-C36	12.658	18.067	57530931	401.992	800	ug/ml
Aromatic EPH	4.074	18.067	87712784	598.386		ug/ml
ortho-Terphenyl (SURR)	11.231	11.231	448297	2.77		ug/ml
2-Bromonaphthalene (SURR)	7.372	7.372	312601	2.18		ug/ml
2-Flurobiphenyl (SURR)	8.262	8.262	190008	2.16		ug/ml

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Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1DL2	SDG No.:	Q1447
Lab Sample ID:	Q1447-01DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068363.D	100	02/27/25	03/05/25	PB166923

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		35.9	J	41.1	108	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		95.5		26.0	72.1	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		691		32.5	108	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		1030		86.6	144	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		992		194	216	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1447-01DL2	Acq On:	05 Mar 2025 08:13
Client Sample ID:	WC1DL2	Operator:	YP/AJ
Data file:	FC068363.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	100	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.366	702124	4.978	300	ug/ml
Aliphatic C12-C16	6.367	9.750	1810191	13.246	200	ug/ml
Aliphatic C16-C21	9.751	13.103	12615238	95.838	300	ug/ml
Aliphatic C21-C28	13.104	16.756	17579985	143.286	400	ug/ml
Aliphatic C28-C40	16.757	21.558	14145758	137.542	600	ug/ml
Aliphatic EPH	3.101	21.558	46853296	394.892		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.101	16.756	32707538	257.348	1200	ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM CASE No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Run Number: FC022825AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB166923BL	83			0
PB166923BS	78			0
PB166923BSD	77			0
P001-CLAY-CF01-01MS	61			0
P001-CLAY-CF01-01MSD	65			0
WC1	95			0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM CASE No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Run Number: FC030425AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WC1DL	107			0
WC1DL2	0 *			1

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM CASE No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Run Number: FD022825AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB166923BL	112	116	99	0
PB166923BS	117	124	106	0
PB166923BSD	118	126	107	0
P001-CLAY-CF01-01MS	118	124	67	0
P001-CLAY-CF01-01MSD	112	118	64	0
WC1	114	122	136	0

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM CASE No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Run Number: FD030325AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WC1DL	109	108	138	0

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (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

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447

Sample No : Q1421-02 **Datafile:** FC068334.D

Client ID : P001-CLAY-CF01-01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	14.2	0	9.70	68		(40-140)
Aliphatic C12-C16	9.5	0.50	9.05	90		(40-140)
Aliphatic C16-C21	14.2	0.43	14.6	100		(40-140)
Aliphatic C21-C28	18.9	0	19.4	102		(40-140)
Aliphatic C28-C40	28.4	2.80	34.1	110		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447

Sample No : Q1421-03 **Datafile:** FC068335.D

Client ID : P001-CLAY-CF01-01MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	14.2	0	9.71	68		0.15 |	(40-140)	25
Aliphatic C12-C16	9.5	0.50	9.10	91		0.44 |	(40-140)	25
Aliphatic C16-C21	14.2	0.43	14.7	100		0.1 |	(40-140)	25
Aliphatic C21-C28	18.9	0	19.6	103		0.98 |	(40-140)	25
Aliphatic C28-C40	28.4	2.80	34.6	111		0.9 |	(40-140)	25

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447

Sample No : Q1421-02 **Datafile:** FD049142.D

Client ID : P001-CLAY-CF01-01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	9.5	0.47	9.80	99		(40-140)
Aromatic C12-C16	14.2	0.65	17.2	116		(40-140)
Aromatic C16-C21	23.7	2.61	35.7	139		(40-140)
Aromatic C21-C36	37.8	0	57.2	151	*	(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447

Sample No : Q1421-03 **Datafile:** FD049143.D

Client ID : P001-CLAY-CF01-01MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	9.5	0.47	9.34	94		5.1 |	(40-140)	25
Aromatic C12-C16	14.2	0.65	16.4	110		5.31 |	(40-140)	25
Aromatic C16-C21	23.7	2.61	34.2	133		4.41 |	(40-140)	25
Aromatic C21-C36	37.9	0	55.5	146	*	3.37 |	(40-140)	25

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447

Sample No : PB166923BS **Datafile:** FC068323.D

Client ID : PB166923BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	6.53	65		(40-140)
Aliphatic C12-C16	6.7	5.75	86		(40-140)
Aliphatic C16-C21	10	9.57	96		(40-140)
Aliphatic C21-C28	13.3	12.9	97		(40-140)
Aliphatic C28-C40	20.0	21.3	106		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447

Sample No : PB166923BSD **Datafile:** FC068324.D

Client ID : PB166923BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	6.56	66		0.37|	(40-140)	50
Aliphatic C12-C16	6.7	5.75	86		0|	(40-140)	50
Aliphatic C16-C21	10	9.54	96		0.352|	(40-140)	50
Aliphatic C21-C28	13.3	12.9	97		0.01|	(40-140)	50
Aliphatic C28-C40	20.0	21.4	107		1|	(40-140)	50

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447

Sample No : PB166923BS **Datafile:** FD049131.D

Client ID : PB166923BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	6.49	97		(40-140)
Aromatic C12-C16	10	11.1	111		(40-140)
Aromatic C16-C21	16.7	21.5	129		(40-140)
Aromatic C21-C36	26.6	34.3	128		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1447 **SAS No :** Q1447 **SDG No:** Q1447

Sample No : PB166923BSD **Datafile:** FD049132.D

Client ID : PB166923BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	6.56	98		1.1|	(40-140)	50
Aromatic C12-C16	10	11.3	113		1.9|	(40-140)	50
Aromatic C16-C21	16.7	21.8	130		1.5|	(40-140)	50
Aromatic C21-C36	26.6	34.9	130		2.3|	(40-140)	50

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166923BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Instrument ID: FID_C Lab Sample ID: PB166923BL

Matrix: (soil/water) Solid Date Extracted: 2/27/2025 1:10:00 P

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB166923BS	PB166923BS
PB166923BSD	PB166923BSD
WC1	Q1447-01

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Nelson			Date Received:	
Client Sample ID:	PB166923BL			SDG No.:	Q1447
Lab Sample ID:	PB166923BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 13:10	02/28/25 11:00	PB166923

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.38	U	1	0.38	1.00	mg/kg	FC068322.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC068322.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC068322.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC068322.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC068322.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD049130.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD049130.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD049130.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.66	mg/kg	FD049130.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.00	mg/kg	
Total EPH	Total EPH	7.12	U		7.12	12.0	mg/kg	

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

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Nelson		Date Received:		
Client Sample ID:	PB166923BL		SDG No.:	Q1447	
Lab Sample ID:	PB166923BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068322.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.38	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.24	U	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.30	U	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.80	U	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.80	U	1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		41.6		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166923BL	Acq On:	28 Feb 2025 11:00
Client Sample ID:	PB166923BL	Operator:	YP/AJ
Data file:	FC068322.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	3.104	6.369	0	0	300	ug/ml
Aliphatic C12-C16	6.370	9.754	0	0	200	ug/ml
Aliphatic C16-C21	9.755	13.107	0	0	300	ug/ml
Aliphatic C21-C28	13.108	16.761	0	0	400	ug/ml
Aliphatic C28-C40	16.762	21.565	0	0	600	ug/ml
Aliphatic EPH	3.104	21.565	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	4680251	41.61		ug/ml
Aliphatic C9-C28	3.104	16.761	0	0	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Nelson		Date Received:		
Client Sample ID:	PB166923BL		SDG No.:	Q1447	
Lab Sample ID:	PB166923BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049130.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.30	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.34	U	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.96	U	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.00	U	2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	56.0		40 - 140	112%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	57.8		40 - 140	116%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.7		40 - 140	99%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166923BL	Acq On:	28 Feb 2025 11:00
Client Sample ID:	PB166923BL	Operator:	YP/AJ
Data file:	FD049130.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	0	0	200	ug/ml
Aromatic C12-C16	5.795	8.396	0	0	300	ug/ml
Aromatic C16-C21	8.397	12.661	0	0	500	ug/ml
Aromatic C21-C36	12.662	18.073	0	0	800	ug/ml
Aromatic EPH	4.076	18.073	0	0		ug/ml
ortho-Terphenyl (SURR)	11.236	11.236	8041222	49.71		ug/ml
2-Bromonaphthalene (SURR)	7.352	7.352	8010402	55.97		ug/ml
2-Flurobiphenyl (SURR)	8.201	8.201	5081253	57.8		ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Nelson		Date Received:		
Client Sample ID:	PB166923BS		SDG No.:	Q1447	
Lab Sample ID:	PB166923BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 13:10	02/28/25 11:37	PB166923

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.53		1	0.38	1.00	mg/kg	FC068323.D
Aliphatic C12-C16	Aliphatic C12-C16	5.75		1	0.24	0.67	mg/kg	FC068323.D
Aliphatic C16-C21	Aliphatic C16-C21	9.57		1	0.30	1.00	mg/kg	FC068323.D
Aliphatic C21-C28	Aliphatic C21-C28	12.9		1	0.80	1.33	mg/kg	FC068323.D
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1	1.80	2.00	mg/kg	FC068323.D
Aromatic C10-C12	Aromatic C10-C12	6.49		1	0.30	0.67	mg/kg	FD049131.D
Aromatic C12-C16	Aromatic C12-C16	11.1		1	0.34	1.00	mg/kg	FD049131.D
Aromatic C16-C21	Aromatic C16-C21	21.5		1	0.96	1.67	mg/kg	FD049131.D
Aromatic C21-C36	Aromatic C21-C36	34.3		1	2.00	2.66	mg/kg	FD049131.D
Total AliphaticEPH	Total AliphaticEPH	56.0			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	73.4			3.60	6.00	mg/kg	
Total EPH	Total EPH	129			7.12	12.0	mg/kg	

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

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Nelson		Date Received:		
Client Sample ID:	PB166923BS		SDG No.:	Q1447	
Lab Sample ID:	PB166923BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068323.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.53		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.75		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.57		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.9		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.3		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.9		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166923BS	Acq On:	28 Feb 2025 11:37
Client Sample ID:	PB166923BS	Operator:	YP/AJ
Data file:	FC068323.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	3.104	6.369	13831446	98.071	300	ug/ml
Aliphatic C12-C16	6.370	9.754	11804868	86.385	200	ug/ml
Aliphatic C16-C21	9.755	13.107	18912877	143.681	300	ug/ml
Aliphatic C21-C28	13.108	16.761	23798182	193.968	400	ug/ml
Aliphatic C28-C40	16.762	21.565	32890476	319.802	600	ug/ml
Aliphatic EPH	3.104	21.565	101237849	841.906		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	4376930	38.91		ug/ml
Aliphatic C9-C28	3.104	16.761	68347373	522.105	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Nelson		Date Received:		
Client Sample ID:	PB166923BS		SDG No.:	Q1447	
Lab Sample ID:	PB166923BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049131.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.49		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	11.1		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	21.5		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	34.3		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	58.3		40 - 140	117%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	61.9		40 - 140	124%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	53.0		40 - 140	106%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166923BS	Acq On:	28 Feb 2025 11:37
Client Sample ID:	PB166923BS	Operator:	YP/AJ
Data file:	FD049131.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	15506186	97.511	200	ug/ml
Aromatic C12-C16	5.795	8.396	26811280	166.596	300	ug/ml
Aromatic C16-C21	8.397	12.661	49558614	323.154	500	ug/ml
Aromatic C21-C36	12.662	18.073	73636189	514.525	800	ug/ml
Aromatic EPH	4.076	18.073	165512269	1100		ug/ml
2-Bromonaphthalene (SURR)	7.352	7.352	8337130	58.26		ug/ml
2-Flurobiphenyl (SURR)	8.203	8.203	5441864	61.9		ug/ml
ortho-Terphenyl (SURR)	11.237	11.237	8579131	53.03		ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Nelson		Date Received:		
Client Sample ID:	PB166923BSD		SDG No.:	Q1447	
Lab Sample ID:	PB166923BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 13:10	02/28/25 12:13	PB166923

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.56		1	0.38	1.00	mg/kg	FC068324.D
Aliphatic C12-C16	Aliphatic C12-C16	5.75		1	0.24	0.67	mg/kg	FC068324.D
Aliphatic C16-C21	Aliphatic C16-C21	9.54		1	0.30	1.00	mg/kg	FC068324.D
Aliphatic C21-C28	Aliphatic C21-C28	12.9		1	0.80	1.33	mg/kg	FC068324.D
Aliphatic C28-C40	Aliphatic C28-C40	21.4		1	1.80	2.00	mg/kg	FC068324.D
Aromatic C10-C12	Aromatic C10-C12	6.56		1	0.30	0.67	mg/kg	FD049132.D
Aromatic C12-C16	Aromatic C12-C16	11.3		1	0.34	1.00	mg/kg	FD049132.D
Aromatic C16-C21	Aromatic C16-C21	21.8		1	0.96	1.67	mg/kg	FD049132.D
Aromatic C21-C36	Aromatic C21-C36	34.9		1	2.00	2.66	mg/kg	FD049132.D
Total AliphaticEPH	Total AliphaticEPH	56.1			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	74.6			3.60	6.00	mg/kg	
Total EPH	Total EPH	131			7.12	12.0	mg/kg	

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

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Nelson		Date Received:		
Client Sample ID:	PB166923BSD		SDG No.:	Q1447	
Lab Sample ID:	PB166923BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068324.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.56		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.75		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.54		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.9		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.4		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.7		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB166923BSD	Acq On:	28 Feb 2025 12:13
Client Sample ID:	PB166923BSD	Operator:	YP/AJ
Data file:	FC068324.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	3.104	6.369	13889956	98.486	300	ug/ml
Aliphatic C12-C16	6.370	9.754	11796061	86.32	200	ug/ml
Aliphatic C16-C21	9.755	13.107	18839655	143.125	300	ug/ml
Aliphatic C21-C28	13.108	16.761	23724700	193.369	400	ug/ml
Aliphatic C28-C40	16.762	21.565	33036052	321.217	600	ug/ml
Aliphatic EPH	3.104	21.565	101286424	842.517		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	4356774	38.74		ug/ml
Aliphatic C9-C28	3.104	16.761	68250372	521.3	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Nelson		Date Received:		
Client Sample ID:	PB166923BSD		SDG No.:	Q1447	
Lab Sample ID:	PB166923BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049132.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.56		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	11.3		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	21.8		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	34.9		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.0		40 - 140	118%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	63.0		40 - 140	126%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	53.6		40 - 140	107%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB166923BSD	Acq On:	28 Feb 2025 12:13
Client Sample ID:	PB166923BSD	Operator:	YP/AJ
Data file:	FD049132.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	15663141	98.498	200	ug/ml
Aromatic C12-C16	5.795	8.396	27228831	169.191	300	ug/ml
Aromatic C16-C21	8.397	12.661	50286158	327.898	500	ug/ml
Aromatic C21-C36	12.662	18.073	74965222	523.812	800	ug/ml
Aromatic EPH	4.076	18.073	168143352	1120		ug/ml
ortho-Terphenyl (SURR)	11.237	11.237	8675284	53.63		ug/ml
2-Bromonaphthalene (SURR)	7.352	7.352	8444315	59.01		ug/ml
2-Flurobiphenyl (SURR)	8.203	8.203	5539761	63.01		ug/ml

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Report of Analysis

Client:	G Environmental	Date Collected:	02/24/25
Project:	Nelson	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MS	SDG No.:	Q1447
Lab Sample ID:	Q1421-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068334.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	9.70		0.54	1.42	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	9.05		0.34	0.95	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	14.6		0.43	1.42	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	19.4		1.14	1.89	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.1		2.55	2.84	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.6		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1421-02	Acq On:	28 Feb 2025 18:56
Client Sample ID:	P001-CLAY-CF01-01MS	Operator:	YP/AJ
Data file:	FC068334.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	14464917	102.562	300	ug/ml
Aliphatic C12-C16	6.370	9.754	13068443	95.631	200	ug/ml
Aliphatic C16-C21	9.755	13.107	20310392	154.298	300	ug/ml
Aliphatic C21-C28	13.108	16.761	25151936	205.002	400	ug/ml
Aliphatic C28-C40	16.762	21.565	37089980	360.634	600	ug/ml
Aliphatic EPH	3.104	21.565	110085668	918.128		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.839	12.839	3447568	30.65		ug/ml
Aliphatic C9-C28	3.104	16.761	72995688	557.493	1200	ug/ml

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Report of Analysis

Client:	G Environmental	Date Collected:	02/24/25
Project:	Nelson	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MS	SDG No.:	Q1447
Lab Sample ID:	Q1421-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049142.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.80		0.43	0.95	mg/kg
Aromatic C12-C16	Aromatic C12-C16	17.2		0.48	1.42	mg/kg
Aromatic C16-C21	Aromatic C16-C21	35.7		1.36	2.37	mg/kg
Aromatic C21-C36	Aromatic C21-C36	57.2		2.84	3.78	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.0		40 - 140	118%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	62.2		40 - 140	124%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.3		40 - 140	67%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1421-02	Acq On:	28 Feb 2025 18:56
Client Sample ID:	P001-CLAY-CF01-01MS	Operator:	YP/AJ
Data file:	FD049142.D	Misc:	
Instrument:	FID_D	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	16467986	103.559	200	ug/ml
Aromatic C12-C16	5.795	8.396	29311275	182.13	300	ug/ml
Aromatic C16-C21	8.397	12.661	57903456	377.567	500	ug/ml
Aromatic C21-C36	12.662	18.073	86473438	604.224	800	ug/ml
Aromatic EPH	4.076	18.073	190156155	1270		ug/ml
2-Bromonaphthalene (SURR)	7.352	7.352	8441841	58.99		ug/ml
2-Flurobiphenyl (SURR)	8.203	8.203	5467908	62.2		ug/ml
ortho-Terphenyl (SURR)	11.234	11.234	5392113	33.33		ug/ml

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Report of Analysis

Client:	G Environmental	Date Collected:	02/24/25
Project:	Nelson	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1447
Lab Sample ID:	Q1421-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068335.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	9.71		0.54	1.42	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	9.10		0.34	0.95	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	14.7		0.43	1.42	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	19.6		1.14	1.89	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.6		2.56	2.84	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.3		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1421-03	Acq On:	28 Feb 2025 19:32
Client Sample ID:	P001-CLAY-CF01-01MSD	Operator:	YP/AJ
Data file:	FC068335.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	14461616	102.539	300	ug/ml
Aliphatic C12-C16	6.370	9.754	13124094	96.038	200	ug/ml
Aliphatic C16-C21	9.755	13.107	20440502	155.287	300	ug/ml
Aliphatic C21-C28	13.108	16.761	25406827	207.079	400	ug/ml
Aliphatic C28-C40	16.762	21.565	37555991	365.166	600	ug/ml
Aliphatic EPH	3.104	21.565	110989030	926.109		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.838	12.838	3629508	32.27		ug/ml
Aliphatic C9-C28	3.104	16.761	73433039	560.943	1200	ug/ml

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Report of Analysis

Client:	G Environmental	Date Collected:	02/24/25
Project:	Nelson	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01MSD	SDG No.:	Q1447
Lab Sample ID:	Q1421-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049143.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.34		0.43	0.95	mg/kg
Aromatic C12-C16	Aromatic C12-C16	16.4		0.48	1.42	mg/kg
Aromatic C16-C21	Aromatic C16-C21	34.2		1.36	2.37	mg/kg
Aromatic C21-C36	Aromatic C21-C36	55.5		2.84	3.79	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.9		40 - 140	112%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	59.1		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1421-03	Acq On:	28 Feb 2025 19:32
Client Sample ID:	P001-CLAY-CF01-01MSD	Operator:	YP/AJ
Data file:	FD049143.D	Misc:	
Instrument:	FID_D	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.076	5.794	15672874	98.559	200	ug/ml
Aromatic C12-C16	5.795	8.396	27922630	173.502	300	ug/ml
Aromatic C16-C21	8.397	12.661	55344709	360.883	500	ug/ml
Aromatic C21-C36	12.662	18.073	83844627	585.856	800	ug/ml
Aromatic EPH	4.076	18.073	182784840	1220		ug/ml
2-Bromonaphthalene (SURR)	7.352	7.352	8004383	55.93		ug/ml
2-Flurobiphenyl (SURR)	8.203	8.203	5197744	59.12		ug/ml
ortho-Terphenyl (SURR)	11.234	11.234	5182415	32.03		ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FC021125AL

AreaCount

Parameter Range	FC068252.D	FC068253.D	FC068254.D	FC068255.D	FC068256.D	
Aliphatic C9-C12	39331006.000	20240186.000	8511519.000	4474674.000	2221877.000	
Aliphatic C12-C16	25563872.000	13091029.000	5472087.000	2866719.000	1444048.000	
Aliphatic C16-C21	36707935.000	18751121.000	7907675.000	4144581.000	2112599.000	
Aliphatic C21-C28	45593595.000	23234194.000	9834944.000	5144532.000	2635031.000	
Aliphatic C28-C40	56736862.000	29009865.000	12324513.000	6514067.000	3350978.000	
Aliphatic EPH	203933270.000	104326395.000	44050738.000	23144573.000	11764533.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	141035.5019998	5.636				
Aliphatic C12-C16	136654.515	5.375				
Aliphatic C16-C21	131630.8946664	6.092				
Aliphatic C21-C28	122691.3215	6.255				
Aliphatic C28-C40	102846.462333	7.171				
Aliphatic EPH	122175.1266664	6.234				

Concentration

Parameter Range	FC068252.D	FC068253.D	FC068254.D	FC068255.D	FC068256.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	FC068252.D	FC068253.D	FC068254.D	FC068255.D	FC068256.D	
Aliphatic C9-C12	131103.353333	134934.573333	141858.650000	149155.800000	148125.133333	
Aliphatic C12-C16	127819.360000	130910.290000	136802.175000	143335.950000	144404.800000	
Aliphatic C16-C21	122359.783333	125007.473333	131794.583333	138152.700000	140839.933333	

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Inital Calibration Report for SequenceID : FC021125AL

Aliphatic C21-C28	113983.987500	116170.970000	122936.800000	128613.300000	131751.550000	
Aliphatic C28-C40	94561.436666	96699.550000	102704.275000	108567.783333	111699.266666	
Aliphatic EPH	113296.261111	115918.216666	122363.161111	128580.961111	130717.033333	

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Inital Calibration Report for SequenceID : FD021125AR

AreaCount

Parameter Range	FD049072.D	FD049073.D	FD049074.D	FD049075.D	FD049076.D	
Aromatic C10-C12	30133782.000	15194817.000	6263156.000	3318077.000	1700032.000	
Aromatic C12-C16	44977690.000	22823722.000	9507721.000	5041964.000	2641021.000	
Aromatic C16-C21	58435647.000	29734390.000	12145436.000	6295751.000	3256475.000	
Aromatic C21-C36	121981098.000	62220992.000	25499877.000	13225172.000	6892110.000	
Aromatic EPH	255528217.000	129973921.000	53416190.000	27880964.000	14489638.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	159020.606	5.389				
Aromatic C12-C16	160935.8659994	6.836				
Aromatic C16-C21	153359.3085	4.411				
Aromatic C21-C36	143114.7526664	4.923				
Aromatic EPH	150128.8232216	5.194				

Concentration

Parameter Range	FD049072.D	FD049073.D	FD049074.D	FD049075.D	FD049076.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FD049072.D	FD049073.D	FD049074.D	FD049075.D	FD049076.D	
Aromatic C10-C12	150668.910000	151948.170000	156578.900000	165903.850000	170003.200000	
Aromatic C12-C16	149925.633333	152158.146666	158462.016666	168065.466666	176068.066666	
Aromatic C16-C21	146089.117500	148671.950000	151817.950000	157393.775000	162823.750000	
Aromatic C21-C36	135534.553333	138268.871111	141665.983333	146946.355555	153158.000000	
Aromatic EPH	141960.120555	144415.467777	148378.305555	154894.244444	160995.977777	

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Continuing Calibration Report for SequenceID : FC022825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068321.D**						
Aliphatic C9-C12	8795568.000	60.000	3.104	6.369	146592.800	141035.502	-3.940
Aliphatic C12-C16	5630378.000	40.000	6.370	9.754	140759.450	136654.515	-3.004
Aliphatic C16-C21	8123361.000	60.000	9.755	13.107	135389.350	131630.895	-2.855
Aliphatic C21-C28	10221769.000	80.000	13.108	16.761	127772.113	122691.322	-4.141
Aliphatic C28-C40	13145019.000	120.000	16.762	21.565	109541.825	102846.462	-6.510
Aliphatic EPH	45916095.000	360.000	3.104	21.565	127544.708	122175.127	-4.395

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Feb 2025 10:23
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068321.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.104	6.369	8795568.000	60.000	ug/ml
Aliphatic C12-C16	6.370	9.754	5630378.000	40.000	ug/ml
Aliphatic C16-C21	9.755	13.107	8123361.000	60.000	ug/ml
Aliphatic C21-C28	13.108	16.761	10221769.000	80.000	ug/ml
Aliphatic C28-C40	16.762	21.565	13145019.000	120.000	ug/ml
Aliphatic EPH	3.104	21.565	45916095.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC022825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068331.D**						
Aliphatic C9-C12	8595776.000	60.000	3.104	6.369	143262.933	141035.502	-1.579
Aliphatic C12-C16	5515542.000	40.000	6.370	9.754	137888.550	136654.515	-0.903
Aliphatic C16-C21	7931958.000	60.000	9.755	13.107	132199.300	131630.895	-0.432
Aliphatic C21-C28	9935233.000	80.000	13.108	16.761	124190.413	122691.322	-1.222
Aliphatic C28-C40	12971411.000	120.000	16.762	21.565	108095.092	102846.462	-5.103
Aliphatic EPH	44949920.000	360.000	3.104	21.565	124860.889	122175.127	-2.198

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Feb 2025 16:30
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068331.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.104	6.369	8595776.000	60.000	ug/ml
Aliphatic C12-C16	6.370	9.754	5515542.000	40.000	ug/ml
Aliphatic C16-C21	9.755	13.107	7931958.000	60.000	ug/ml
Aliphatic C21-C28	13.108	16.761	9935233.000	80.000	ug/ml
Aliphatic C28-C40	16.762	21.565	12971411.000	120.000	ug/ml
Aliphatic EPH	3.104	21.565	44949920.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC022825AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068341.D**						
Aliphatic C9-C12	8509686.000	60.000	3.104	6.369	141828.100	141035.502	-0.562
Aliphatic C12-C16	5481187.000	40.000	6.370	9.754	137029.675	136654.515	-0.275
Aliphatic C16-C21	7916038.000	60.000	9.755	13.107	131933.967	131630.895	-0.230
Aliphatic C21-C28	9904656.000	80.000	13.108	16.761	123808.200	122691.322	-0.910
Aliphatic C28-C40	13174250.000	120.000	16.762	21.565	109785.417	102846.462	-6.747
Aliphatic EPH	44985817.000	360.000	3.104	21.565	124960.603	122175.127	-2.280

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	28 Feb 2025 23:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068341.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.104	6.369	8509686.000	60.000	ug/ml
Aliphatic C12-C16	6.370	9.754	5481187.000	40.000	ug/ml
Aliphatic C16-C21	9.755	13.107	7916038.000	60.000	ug/ml
Aliphatic C21-C28	13.108	16.761	9904656.000	80.000	ug/ml
Aliphatic C28-C40	16.762	21.565	13174250.000	120.000	ug/ml
Aliphatic EPH	3.104	21.565	44985817.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC030425AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068360.D**						
Aliphatic C9-C12	8895633.000	60.000	3.101	6.366	148260.550	141035.502	-5.123
Aliphatic C12-C16	5648971.000	40.000	6.367	9.750	141224.275	136654.515	-3.344
Aliphatic C16-C21	8146363.000	60.000	9.751	13.103	135772.717	131630.895	-3.147
Aliphatic C21-C28	10085167.000	80.000	13.104	16.756	126064.588	122691.322	-2.749
Aliphatic C28-C40	12598792.000	120.000	16.757	21.558	104989.933	102846.462	-2.084
Aliphatic EPH	45374926.000	360.000	3.101	21.558	126041.461	122175.127	-3.165

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	05 Mar 2025 00:39
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068360.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.101	6.366	8895633.000	60.000	ug/ml
Aliphatic C12-C16	6.367	9.750	5648971.000	40.000	ug/ml
Aliphatic C16-C21	9.751	13.103	8146363.000	60.000	ug/ml
Aliphatic C21-C28	13.104	16.756	10085167.000	80.000	ug/ml
Aliphatic C28-C40	16.757	21.558	12598792.000	120.000	ug/ml
Aliphatic EPH	3.101	21.558	45374926.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC030425AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068365.D**						
Aliphatic C9-C12	9010317.000	60.000	3.101	6.366	150171.950	141035.502	-6.478
Aliphatic C12-C16	5674412.000	40.000	6.367	9.750	141860.300	136654.515	-3.809
Aliphatic C16-C21	8142808.000	60.000	9.751	13.103	135713.467	131630.895	-3.102
Aliphatic C21-C28	10124899.000	80.000	13.104	16.756	126561.238	122691.322	-3.154
Aliphatic C28-C40	12735293.000	120.000	16.757	21.558	106127.442	102846.462	-3.190
Aliphatic EPH	45687729.000	360.000	3.101	21.558	126910.358	122175.127	-3.876

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	05 Mar 2025 09:26
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068365.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.101	6.366	9010317.000	60.000	ug/ml
Aliphatic C12-C16	6.367	9.750	5674412.000	40.000	ug/ml
Aliphatic C16-C21	9.751	13.103	8142808.000	60.000	ug/ml
Aliphatic C21-C28	13.104	16.756	10124899.000	80.000	ug/ml
Aliphatic C28-C40	16.757	21.558	12735293.000	120.000	ug/ml
Aliphatic EPH	3.101	21.558	45687729.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FD022825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049129.D**						
Aromatic C10-C12	6160252.000	40.000	4.076	5.794	154006.300	159020.606	3.153
Aromatic C12-C16	9402232.000	60.000	5.795	8.396	156703.867	160935.866	2.630
Aromatic C16-C21	11641914.000	80.000	8.397	12.661	145523.925	153359.309	5.109
Aromatic C21-C36	23657575.000	180.000	12.662	18.073	131430.972	143114.753	8.164
Aromatic EPH	50861973.000	360.000	4.076	18.073	141283.258	150128.823	5.892

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	28 Feb 2025 10:23
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049129.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.076	5.794	6160252.000	40.000	ug/ml
Aromatic C12-C16	5.795	8.396	9402232.000	60.000	ug/ml
Aromatic C16-C21	8.397	12.661	11641914.000	80.000	ug/ml
Aromatic C21-C36	12.662	18.073	23657575.000	180.000	ug/ml
Aromatic EPH	4.076	18.073	50861973.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FD022825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049139.D**						
Aromatic C10-C12	6813477.000	40.000	4.076	5.794	170336.925	159020.606	-7.116
Aromatic C12-C16	10472510.000	60.000	5.795	8.396	174541.833	160935.866	-8.454
Aromatic C16-C21	13024891.000	80.000	8.397	12.661	162811.138	153359.309	-6.163
Aromatic C21-C36	26617558.000	180.000	12.662	18.073	147875.322	143114.753	-3.326
Aromatic EPH	56928436.000	360.000	4.076	18.073	158134.544	150128.823	-5.333

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Fax : 908 789 8922

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	28 Feb 2025 16:30
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049139.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.076	5.794	6813477.000	40.000	ug/ml
Aromatic C12-C16	5.795	8.396	10472510.000	60.000	ug/ml
Aromatic C16-C21	8.397	12.661	13024891.000	80.000	ug/ml
Aromatic C21-C36	12.662	18.073	26617558.000	180.000	ug/ml
Aromatic EPH	4.076	18.073	56928436.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD022825AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049149.D**						
Aromatic C10-C12	6973708.000	40.000	4.076	5.794	174342.700	159020.606	-9.635
Aromatic C12-C16	10519197.000	60.000	5.795	8.396	175319.950	160935.866	-8.938
Aromatic C16-C21	13182289.000	80.000	8.397	12.661	164778.613	153359.309	-7.446
Aromatic C21-C36	27715585.000	180.000	12.662	18.073	153975.472	143114.753	-7.589
Aromatic EPH	58390779.000	360.000	4.076	18.073	162196.608	150128.823	-8.038

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	28 Feb 2025 23:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049149.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.076	5.794	6973708.000	40.000	ug/ml
Aromatic C12-C16	5.795	8.396	10519197.000	60.000	ug/ml
Aromatic C16-C21	8.397	12.661	13182289.000	80.000	ug/ml
Aromatic C21-C36	12.662	18.073	27715585.000	180.000	ug/ml
Aromatic EPH	4.076	18.073	58390779.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD030325AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049152.D**						
Aromatic C10-C12	7166334.000	40.000	4.074	5.792	179158.350	159020.606	-12.664
Aromatic C12-C16	10830604.000	60.000	5.793	8.394	180510.067	160935.866	-12.163
Aromatic C16-C21	13356833.000	80.000	8.395	12.657	166960.413	153359.309	-8.869
Aromatic C21-C36	26081586.000	180.000	12.658	18.067	144897.700	143114.753	-1.246
Aromatic EPH	57435357.000	360.000	4.074	18.067	159542.658	150128.823	-6.271

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Fax : 908 789 8922

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	03 Mar 2025 09:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049152.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.074	5.792	7166334.000	40.000	ug/ml
Aromatic C12-C16	5.793	8.394	10830604.000	60.000	ug/ml
Aromatic C16-C21	8.395	12.657	13356833.000	80.000	ug/ml
Aromatic C21-C36	12.658	18.067	26081586.000	180.000	ug/ml
Aromatic EPH	4.074	18.067	57435357.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD030325AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049155.D**						
Aromatic C10-C12	7286344.000	40.000	4.074	5.792	182158.600	159020.606	-14.550
Aromatic C12-C16	11027649.000	60.000	5.793	8.394	183794.150	160935.866	-14.203
Aromatic C16-C21	13539680.000	80.000	8.395	12.657	169246.000	153359.309	-10.359
Aromatic C21-C36	27644418.000	180.000	12.658	18.067	153580.100	143114.753	-7.313
Aromatic EPH	59498091.000	360.000	4.074	18.067	165272.475	150128.823	-10.087

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Fax : 908 789 8922

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	03 Mar 2025 11:39
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049155.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.074	5.792	7286344.000	40.000	ug/ml
Aromatic C12-C16	5.793	8.394	11027649.000	60.000	ug/ml
Aromatic C16-C21	8.395	12.657	13539680.000	80.000	ug/ml
Aromatic C21-C36	12.658	18.067	27644418.000	180.000	ug/ml
Aromatic EPH	4.074	18.067	59498091.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068339.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 21:59
Operator : YP/AJ
Sample : Q1447-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

Integration File: autoint1.e
Quant Time: Mar 05 05:25:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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			
12) S 1-chlorooctadecane (S...	12.867	5369083	47.736 ug/mlm
Spiked Amount 50.000		Recovery = 95.47%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Sample Results: **FC068339.D**

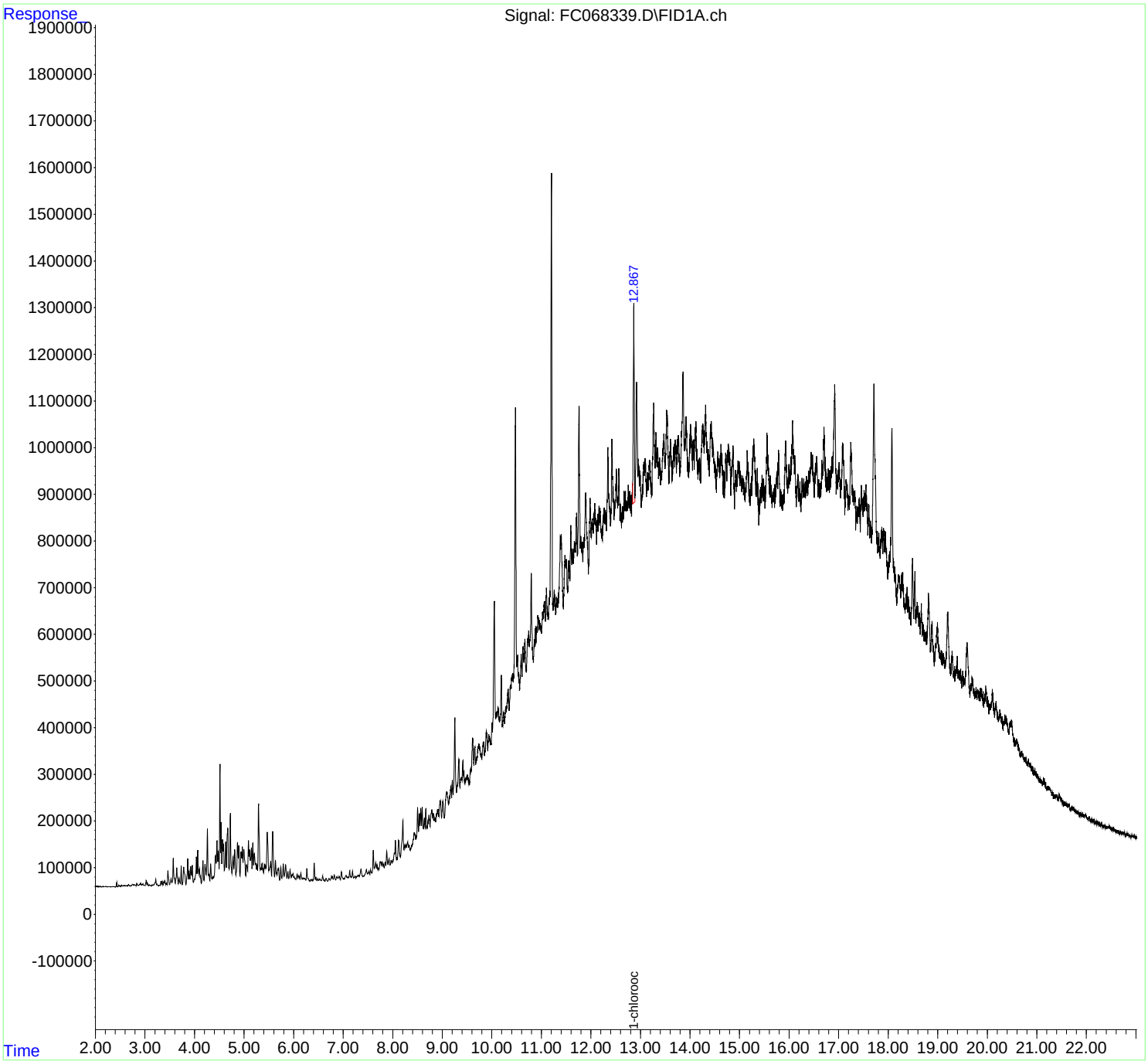
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068339.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 21:59
Operator : YP/AJ
Sample : Q1447-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

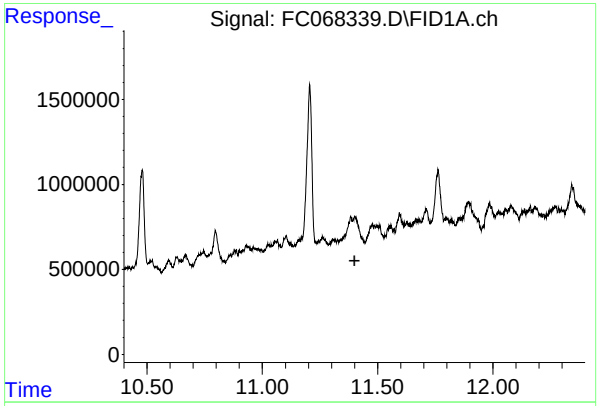
Instrument :
FID_C
ClientSampleId :
WC1

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

Integration File: autoint1.e
Quant Time: Mar 05 05:25:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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





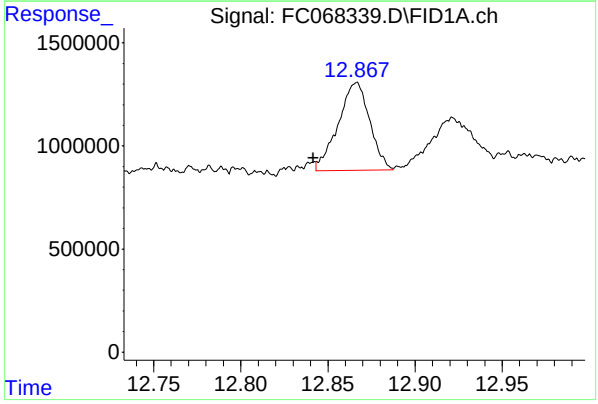
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.400 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WC1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025



#12 1-chlorooctadecane (SURR)

R.T.: 12.867 min
Delta R.T.: 0.025 min
Response: 5369083
Conc: 47.74 ug/ml m

8

Instrument :
FID_C
ClientSampleId :
WC1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC02282
Data File : FC068339.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 21:59
Sample : Q1447-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	2.356	2.305	2.371	BV	686	7734	0.01%	0.000%
2	2.387	2.371	2.407	VV	247	2548	0.00%	0.000%
3	2.428	2.407	2.453	PV	8898	69132	0.09%	0.002%
4	2.472	2.453	2.507	PV	3606	54138	0.07%	0.001%
5	2.524	2.507	2.538	VV	3512	36969	0.05%	0.001%
6	2.554	2.538	2.571	VV	2385	35089	0.05%	0.001%
7	2.588	2.571	2.625	VV	1724	48224	0.06%	0.001%
8	2.670	2.625	2.695	VV	4165	92608	0.12%	0.002%
9	2.709	2.695	2.720	VV	1654	22346	0.03%	0.001%
10	2.752	2.720	2.768	VV	4601	85003	0.11%	0.002%
11	2.785	2.768	2.818	VV	4029	78408	0.10%	0.002%
12	2.836	2.818	2.855	VV	6305	75522	0.10%	0.002%
13	2.865	2.855	2.878	VV	2329	28406	0.04%	0.001%
14	2.913	2.878	2.929	VV	6919	116477	0.15%	0.003%
15	2.957	2.929	2.982	VV	4646	90939	0.12%	0.002%
16	3.026	2.982	3.039	VV	11534	163119	0.21%	0.004%
17	3.049	3.039	3.088	VV	6824	85989	0.11%	0.002%
18	3.097	3.088	3.123	VV	1740	24645	0.03%	0.001%
19	3.145	3.123	3.158	VV	2264	25581	0.03%	0.001%
20	3.172	3.158	3.180	VV	2452	22804	0.03%	0.001%
21	3.218	3.180	3.277	VV	13746	253410	0.33%	0.006%
22	3.322	3.277	3.334	PV	9708	96508	0.13%	0.002%
23	3.347	3.334	3.363	VV	9379	91555	0.12%	0.002%
24	3.402	3.363	3.423	VV	10288	202282	0.26%	0.005%
25	3.463	3.423	3.496	VV	31139	465901	0.61%	0.011%
26	3.527	3.496	3.544	VV	13843	223108	0.29%	0.005%
27	3.571	3.544	3.611	VV	57805	821153	1.07%	0.019%
28	3.642	3.611	3.672	VV	37576	613978	0.80%	0.014%
29	3.688	3.672	3.714	VV	15549	212692	0.28%	0.005%
30	3.732	3.714	3.753	VV	41067	370348	0.48%	0.008%
31	3.782	3.753	3.827	VV	38801	783901	1.02%	0.018%
32	3.863	3.827	3.877	VV	56412	699452	0.91%	0.016%
33	3.890	3.877	3.907	VV	30059	388700	0.51%	0.009%
34	3.923	3.907	3.940	VV	38946	516788	0.67%	0.012%
35	3.955	3.940	3.977	VV	41914	513100	0.67%	0.012%
36	4.038	3.977	4.050	VV	59683	973048	1.27%	0.022%

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Instrument :
FID_C
ClientSampleId :
WC1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

A B C D E F G H I J

rteres

37	4.065	4.050	4.087	VV	73760	954029	1.24%	0.022%
38	4.099	4.087	4.138	VV	33964	581052		
39	4.171	4.138	4.190	VV	51519	739168		
40	4.213	4.190	4.235	VV	43100	737019		
41	4.261	4.235	4.285	VV	118433	1577064		
42	4.293	4.285	4.308	VV	21903	236468		
43	4.326	4.308	4.349	VV	44399	608629	0.79%	0.014%
44	4.376	4.349	4.387	VV	16965	321363	0.42%	0.007%
45	4.424	4.387	4.437	VV	61347	1166551	1.52%	0.026%
46	4.454	4.437	4.469	VV	92820	1297128	1.69%	0.029%
47	4.483	4.469	4.496	VV	69876	934845	1.22%	0.021%
48	4.514	4.496	4.528	VV	256997	2561313	3.33%	0.058%
49	4.537	4.528	4.552	VV	132425	1314152	1.71%	0.030%
50	4.567	4.552	4.578	VV	94649	1206537	1.57%	0.027%
51	4.585	4.578	4.604	VV	85431	925677	1.20%	0.021%
52	4.630	4.604	4.645	VV	89964	1381235	1.80%	0.031%
53	4.671	4.645	4.697	VV	120148	2424726	3.15%	0.055%
54	4.723	4.697	4.755	VV	148115	2195779	2.86%	0.050%
55	4.777	4.755	4.793	VV	57416	948163	1.23%	0.021%
56	4.812	4.793	4.834	VV	73375	1169875	1.52%	0.026%
57	4.869	4.834	4.884	VV	88768	1532253	1.99%	0.035%
58	4.896	4.884	4.918	VV	81405	1049348	1.36%	0.024%
59	4.940	4.918	4.951	VV	67761	945480	1.23%	0.021%
60	4.966	4.951	4.979	VV	78186	1053380	1.37%	0.024%
61	4.997	4.979	5.033	VV	73245	1647020	2.14%	0.037%
62	5.050	5.033	5.070	VV	39692	715796	0.93%	0.016%
63	5.090	5.070	5.102	VV	91063	1189786	1.55%	0.027%
64	5.111	5.102	5.124	VV	72196	815117	1.06%	0.018%
65	5.148	5.124	5.162	VV	76602	1267917	1.65%	0.029%
66	5.177	5.162	5.193	VV	86248	1115356	1.45%	0.025%
67	5.208	5.193	5.252	VV	63019	1642018	2.14%	0.037%
68	5.264	5.252	5.274	VV	38817	453820	0.59%	0.010%
69	5.292	5.274	5.325	VV	170561	2690138	3.50%	0.061%
70	5.333	5.325	5.346	VV	32236	392218	0.51%	0.009%
71	5.361	5.346	5.394	VV	42085	921734	1.20%	0.021%
72	5.411	5.394	5.424	VV	39801	602887	0.78%	0.014%
73	5.435	5.424	5.445	VV	37489	427601	0.56%	0.010%
74	5.468	5.445	5.499	VV	107727	2162325	2.81%	0.049%
75	5.538	5.499	5.555	VV	46543	1100334	1.43%	0.025%
76	5.578	5.555	5.616	VV	109506	1975542	2.57%	0.045%
77	5.635	5.616	5.665	VV	48146	784796	1.02%	0.018%
78	5.696	5.665	5.719	VV	30753	694139	0.90%	0.016%
79	5.742	5.719	5.761	VV	32919	431730	0.56%	0.010%
80	5.792	5.761	5.811	VV	40155	629430	0.82%	0.014%
81	5.839	5.811	5.866	VV	38414	752786	0.98%	0.017%
82	5.885	5.866	5.904	VV	22953	336506	0.44%	0.008%
83	5.929	5.904	5.954	VV	26440	480138	0.62%	0.011%
84	5.969	5.954	5.977	VV	16339	196595	0.26%	0.004%
85	5.988	5.977	6.037	VV	18470	409751	0.53%	0.009%
86	6.072	6.037	6.088	VV	16893	320531	0.42%	0.007%
87	6.101	6.088	6.128	VV	12789	247644	0.32%	0.006%
88	6.146	6.128	6.173	VV	18500	312171	0.41%	0.007%
89	6.191	6.173	6.205	VV	8847	146014	0.19%	0.003%

8

Instrument :
FID_C
ClientSampleId :
WC1

rteres

Manual IntegrationsAPPROVED

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90	6.218	6.205	6.248	VV	8044	165920	0.22%	0.004%
91	6.268	6.248	6.338	VV	28416	455256		
92	6.355	6.338	6.376	VV	5260	79196		
93	6.389	6.376	6.397	VV	5185	46569		
94	6.416	6.397	6.439	VV	39081	459068		
95	6.451	6.439	6.472	VV	9099	109046		
96	6.487	6.472	6.507	VV	6229	79236	0.10%	0.002%
97	6.524	6.507	6.559	VV	5840	111539	0.15%	0.003%
98	6.586	6.559	6.611	VV	10863	172438	0.22%	0.004%
99	6.621	6.611	6.634	VV	3438	29479	0.04%	0.001%
100	6.656	6.634	6.690	VV	6449	97545	0.13%	0.002%
101	6.716	6.690	6.738	PV	5260	93886	0.12%	0.002%
102	6.767	6.738	6.800	VV	8984	228063	0.30%	0.005%
103	6.823	6.800	6.850	VV	12486	201193	0.26%	0.005%
104	6.871	6.850	6.898	VV	7809	156184	0.20%	0.004%
105	6.922	6.898	6.943	VV	8212	153933	0.20%	0.003%
106	6.967	6.943	7.002	VV	17896	281267	0.37%	0.006%
107	7.016	7.002	7.023	VV	2951	32916	0.04%	0.001%
108	7.061	7.023	7.079	VV	9765	212914	0.28%	0.005%
109	7.092	7.079	7.114	VV	6257	110898	0.14%	0.003%
110	7.132	7.114	7.161	VV	18640	273097	0.36%	0.006%
111	7.189	7.161	7.214	VV	16651	263407	0.34%	0.006%
112	7.239	7.214	7.262	VV	5500	120598	0.16%	0.003%
113	7.304	7.262	7.324	VV	8102	221763	0.29%	0.005%
114	7.360	7.324	7.392	VV	20516	461857	0.60%	0.010%
115	7.469	7.392	7.493	VV	18196	578097	0.75%	0.013%
116	7.522	7.493	7.538	VV	14710	307384	0.40%	0.007%
117	7.555	7.538	7.576	VV	17158	300954	0.39%	0.007%
118	7.609	7.576	7.629	VV	59732	910800	1.18%	0.021%
119	7.658	7.629	7.673	VV	32233	675381	0.88%	0.015%
120	7.684	7.673	7.700	VV	27442	364769	0.47%	0.008%
121	7.711	7.700	7.724	VV	20405	261570	0.34%	0.006%
122	7.749	7.724	7.773	VV	33904	816458	1.06%	0.018%
123	7.787	7.773	7.804	VV	32896	531958	0.69%	0.012%
124	7.813	7.804	7.829	VV	26981	367563	0.48%	0.008%
125	7.849	7.829	7.861	VV	31867	505048	0.66%	0.011%
126	7.881	7.861	7.904	VV	54064	981223	1.28%	0.022%
127	7.926	7.904	7.949	VV	37876	830164	1.08%	0.019%
128	7.970	7.949	7.986	VV	34206	679725	0.88%	0.015%
129	8.056	7.986	8.078	VV	76897	2482141	3.23%	0.056%
130	8.122	8.078	8.159	VV	75964	2471668	3.21%	0.056%
131	8.206	8.159	8.227	VV	117900	2999827	3.90%	0.068%
132	8.242	8.227	8.251	VV	63198	892437	1.16%	0.020%
133	8.263	8.251	8.282	VV	65022	1154220	1.50%	0.026%
134	8.302	8.282	8.351	VV	71748	2627812	3.42%	0.059%
135	8.434	8.351	8.464	VV	89813	4835440	6.29%	0.109%
136	8.504	8.464	8.523	VV	142311	3575800	4.65%	0.081%
137	8.539	8.523	8.552	VV	129666	1956667	2.54%	0.044%
138	8.568	8.552	8.582	VV	141070	2176961	2.83%	0.049%
139	8.596	8.582	8.621	VV	142479	2767104	3.60%	0.063%
140	8.639	8.621	8.653	VV	118963	2060669	2.68%	0.047%
141	8.669	8.653	8.700	VV	139749	3150349	4.10%	0.071%

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rteres

142	8.734	8.700	8.754	VV	125031	3674564	4.78%	0.083%
143	8.791	8.754	8.805	VV	136332	3777104	[illegible]	
144	8.819	8.805	8.839	VV	126920	2534540	[illegible]	
145	8.856	8.839	8.868	VV	117414	1970123	[illegible]	
146	8.912	8.868	8.928	VV	133850	4579059	[illegible]	
147	8.961	8.928	8.988	VV	152893	4921935	[illegible]	
148	9.013	8.988	9.044	VV	151073	4557382	5.93%	0.103%
149	9.091	9.044	9.128	VV	171236	7736535	10.06%	0.175%
150	9.174	9.128	9.190	VV	182851	6123885	7.96%	0.138%
151	9.205	9.190	9.220	VV	195260	3220550	4.19%	0.073%
152	9.255	9.220	9.289	VV	328194	9301187	12.09%	0.210%
153	9.335	9.289	9.357	VV	238581	8061759	10.48%	0.182%
154	9.392	9.357	9.398	VV	200071	4791713	6.23%	0.108%
155	9.416	9.398	9.451	VV	237564	6716949	8.73%	0.152%
156	9.466	9.451	9.491	VV	197090	4661124	6.06%	0.105%
157	9.508	9.491	9.544	VV	202430	6238163	8.11%	0.141%
158	9.614	9.544	9.641	VV	282904	13408740	17.44%	0.303%
159	9.658	9.641	9.677	VV	264113	5282278	6.87%	0.119%
160	9.738	9.677	9.778	VV	269635	15259784	19.84%	0.345%
161	9.787	9.778	9.799	VV	246063	3046207	3.96%	0.069%
162	9.832	9.799	9.854	VV	271500	8610908	11.20%	0.195%
163	9.890	9.854	9.918	VV	294175	10240079	13.32%	0.231%
164	9.941	9.918	9.987	VV	288027	11484981	14.93%	0.259%
165	10.052	9.987	10.080	VV	570656	21226157	27.60%	0.479%
166	10.105	10.080	10.111	VV	334734	6042445	7.86%	0.136%
167	10.126	10.111	10.167	VV	345673	11038728	14.35%	0.249%
168	10.193	10.167	10.216	VV	412415	10363189	13.48%	0.234%
169	10.239	10.216	10.258	VV	330887	8191545	10.65%	0.185%
170	10.283	10.258	10.293	VV	344647	6949260	9.04%	0.157%
171	10.329	10.293	10.351	VV	379135	12414585	16.14%	0.280%
172	10.478	10.351	10.505	VV	981688	44904806	58.39%	1.014%
173	10.520	10.505	10.563	VV	444858	14710362	19.13%	0.332%
174	10.594	10.563	10.611	VV	450873	12169151	15.82%	0.275%
175	10.629	10.611	10.648	VV	468482	9784786	12.72%	0.221%
176	10.667	10.648	10.695	VV	484495	12625376	16.42%	0.285%
177	10.746	10.695	10.760	VV	501323	18426536	23.96%	0.416%
178	10.797	10.760	10.838	VV	620023	23855984	31.02%	0.539%
179	10.884	10.838	10.904	VV	499782	18821543	24.47%	0.425%
180	10.931	10.904	10.949	VV	530408	14161769	18.41%	0.320%
181	10.962	10.949	11.008	VV	523221	17932255	23.32%	0.405%
182	11.026	11.008	11.043	VV	537511	11140839	14.49%	0.252%
183	11.064	11.043	11.082	VV	563032	12890579	16.76%	0.291%
184	11.103	11.082	11.134	VV	591634	17103165	22.24%	0.386%
185	11.206	11.134	11.236	VV	1473260	47341803	61.56%	1.069%
186	11.261	11.236	11.288	VV	583351	17323406	22.53%	0.391%
187	11.307	11.288	11.331	VV	566941	14350308	18.66%	0.324%
188	11.402	11.331	11.448	VV	704789	43586619	56.68%	0.985%
189	11.477	11.448	11.491	VV	657254	16136711	20.98%	0.364%
190	11.506	11.491	11.528	VV	652062	13717762	17.84%	0.310%
191	11.553	11.528	11.578	VV	644877	18564450	24.14%	0.419%
192	11.595	11.578	11.614	VV	720342	14830008	19.28%	0.335%
193	11.627	11.614	11.645	VV	668433	11930011	15.51%	0.269%
194	11.666	11.645	11.688	VV	679554	17516254	22.78%	0.396%

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rteres

195	11.711	11.688	11.731	VV	743182	17913912	23.29%	0.405%
196	11.761	11.731	11.788	VV	970120	27189303	35	
197	11.796	11.788	11.812	VV	693087	9972739	12	
198	11.820	11.812	11.838	VV	681354	10211382	13	
199	11.893	11.838	11.949	VV	787135	47143782	61	
200	11.985	11.949	12.011	VV	774243	26331677	34	
201	12.025	12.011	12.038	VV	727180	11451090	14.89%	0.259%
202	12.056	12.038	12.063	VV	740903	11098575	14.43%	0.251%
203	12.079	12.063	12.114	VV	762020	22033836	28.65%	0.498%
204	12.162	12.114	12.171	VV	753440	24968210	32.47%	0.564%
205	12.182	12.171	12.231	VV	751970	25894215	33.67%	0.585%
206	12.270	12.231	12.313	VV	753531	35752824	46.49%	0.808%
207	12.343	12.313	12.398	VV	862704	39757505	51.70%	0.898%
208	12.425	12.398	12.469	VV	897076	34043875	44.27%	0.769%
209	12.514	12.469	12.539	VV	834473	32819212	42.67%	0.741%
210	12.565	12.539	12.617	VV	826789	35764190	46.50%	0.808%
211	12.673	12.617	12.684	VV	781754	30258568	39.35%	0.683%
212	12.698	12.684	12.718	VV	783556	15279464	19.87%	0.345%
213	12.752	12.718	12.818	VV	786110	45754171	59.49%	1.033%
214	12.866	12.818	12.891	VV	1183623	39112073	50.86%	0.883%
215	12.922	12.891	13.017	VV	1013248	64414668	83.76%	1.455%
216	13.082	13.017	13.130	VV	842464	54882551	71.36%	1.240%
217	13.141	13.130	13.158	VV	824355	13235571	17.21%	0.299%
218	13.182	13.158	13.223	VV	845546	31958831	41.56%	0.722%
219	13.266	13.223	13.291	VV	955808	35672557	46.38%	0.806%
220	13.312	13.291	13.331	VV	895505	20945465	27.24%	0.473%
221	13.347	13.331	13.364	VV	870890	16889878	21.96%	0.382%
222	13.386	13.364	13.416	VV	846348	25356711	32.97%	0.573%
223	13.472	13.416	13.498	VV	887188	42043712	54.67%	0.950%
224	13.530	13.498	13.578	VV	946392	42165458	54.83%	0.952%
225	13.607	13.578	13.638	VV	883459	30524428	39.69%	0.689%
226	13.679	13.638	13.694	VV	875902	28828158	37.49%	0.651%
227	13.703	13.694	13.728	VV	885625	17480270	22.73%	0.395%
228	13.762	13.728	13.804	VV	889258	39142275	50.90%	0.884%
229	13.859	13.804	13.900	VV	1020009	52495672	68.26%	1.186%
230	13.918	13.900	13.970	VV	934626	36965454	48.07%	0.835%
231	14.014	13.970	14.039	VV	906906	35971536	46.77%	0.813%
232	14.074	14.039	14.085	VV	888375	23601398	30.69%	0.533%
233	14.115	14.085	14.162	VV	911470	39999543	52.01%	0.903%
234	14.194	14.162	14.214	VV	837141	25553081	33.23%	0.577%
235	14.260	14.214	14.285	VV	916316	37836258	49.20%	0.855%
236	14.314	14.285	14.391	VV	959167	55477994	72.14%	1.253%
237	14.430	14.391	14.531	VV	924638	71853764	93.43%	1.623%
238	14.562	14.531	14.601	VV	847324	34784939	45.23%	0.786%
239	14.625	14.601	14.678	VV	856427	37693709	49.01%	0.851%
240	14.684	14.678	14.698	VV	796921	9405859	12.23%	0.212%
241	14.722	14.698	14.743	VV	845267	22280986	28.97%	0.503%
242	14.772	14.743	14.821	VV	866612	39148956	50.91%	0.884%
243	14.870	14.821	14.898	VV	864771	37355528	48.57%	0.844%
244	14.922	14.898	14.940	VV	808519	19660743	25.56%	0.444%
245	14.973	14.940	15.056	VV	820841	55601264	72.30%	1.256%
246	15.065	15.056	15.079	VV	798651	11191169	14.55%	0.253%

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247	15.086	15.079	15.113	VV	777296	15751278	20.48%	0.356%
248	15.153	15.113	15.213	VV	843701	47300835	61	
249	15.288	15.213	15.338	VV	867171	60227844	78	
250	15.356	15.338	15.402	VV	808270	29092909	37	
251	15.424	15.402	15.441	VV	771155	17733018	23	
252	15.455	15.441	15.478	VV	798504	16993114	22	
253	15.487	15.478	15.501	VV	783516	10715037	13.93%	0.242%
254	15.506	15.501	15.512	VV	759315	4841873	6.30%	0.109%
255	15.556	15.512	15.608	VV	861704	46255554	60.15%	1.045%
256	15.612	15.608	15.618	VV	786841	4738482	6.16%	0.107%
257	15.625	15.618	15.681	VV	793436	28744707	37.38%	0.649%
258	15.695	15.681	15.708	VV	764902	12134160	15.78%	0.274%
259	15.788	15.708	15.874	VV	845312	76905640	100.00%	1.737%
260	15.883	15.874	15.891	VV	753050	7538943	9.80%	0.170%
261	15.929	15.891	15.974	VV	865440	40028521	52.05%	0.904%
262	15.996	15.974	16.012	VV	812173	17985655	23.39%	0.406%
263	16.019	16.012	16.023	VV	795944	5041207	6.56%	0.114%
264	16.070	16.023	16.108	VV	904067	42678566	55.49%	0.964%
265	16.117	16.108	16.145	VV	829754	17576815	22.86%	0.397%
266	16.177	16.145	16.238	VV	789933	42114992	54.76%	0.951%
267	16.259	16.238	16.281	VV	783806	19490854	25.34%	0.440%
268	16.294	16.281	16.317	VV	777782	16775453	21.81%	0.379%
269	16.337	16.317	16.372	VV	779021	24983769	32.49%	0.564%
270	16.446	16.372	16.458	VV	835087	41146712	53.50%	0.929%
271	16.461	16.458	16.469	VV	821143	5497618	7.15%	0.124%
272	16.474	16.469	16.509	VV	830002	18775048	24.41%	0.424%
273	16.557	16.509	16.586	VV	824834	36575726	47.56%	0.826%
274	16.597	16.586	16.612	VV	776285	11902342	15.48%	0.269%
275	16.621	16.612	16.636	VV	770584	11269148	14.65%	0.255%
276	16.705	16.636	16.758	VV	888176	58945421	76.65%	1.331%
277	16.792	16.758	16.812	VV	799438	24799625	32.25%	0.560%
278	16.822	16.812	16.838	VV	789362	12147362	15.80%	0.274%
279	16.920	16.838	16.964	VV	969956	63652613	82.77%	1.438%
280	17.006	16.964	17.038	VV	807885	34414811	44.75%	0.777%
281	17.080	17.038	17.124	VV	853787	41181418	53.55%	0.930%
282	17.151	17.124	17.193	VV	771649	30768207	40.01%	0.695%
283	17.208	17.193	17.216	VV	739327	10074362	13.10%	0.228%
284	17.247	17.216	17.308	VV	850464	42902578	55.79%	0.969%
285	17.321	17.308	17.357	VV	746455	21015825	27.33%	0.475%
286	17.367	17.357	17.378	VV	711422	8680890	11.29%	0.196%
287	17.420	17.378	17.437	VV	735362	25214746	32.79%	0.570%
288	17.461	17.437	17.494	VV	755513	24697468	32.11%	0.558%
289	17.515	17.494	17.531	VV	742662	16033932	20.85%	0.362%
290	17.548	17.531	17.589	VV	748892	24860905	32.33%	0.562%
291	17.606	17.589	17.631	VV	711165	17384312	22.60%	0.393%
292	17.643	17.631	17.668	VV	671597	14540471	18.91%	0.328%
293	17.711	17.668	17.772	VV	974641	48343252	62.86%	1.092%
294	17.781	17.772	17.794	VV	659657	8695371	11.31%	0.196%
295	17.812	17.794	17.836	VV	650933	15701429	20.42%	0.355%
296	17.869	17.836	17.891	VV	662330	21074158	27.40%	0.476%
297	17.908	17.891	17.919	VV	664916	10802116	14.05%	0.244%
298	17.940	17.919	17.994	VV	651802	27562799	35.84%	0.623%
299	18.075	17.994	18.168	VV	878043	64956124	84.46%	1.467%

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300	18.214	18.168	18.251	VV	557970	26784645	34.83%	0.605%
301	18.277	18.251	18.341	VV	565433	28585421	37	
302	18.380	18.341	18.400	VV	533033	17884565	23	
303	18.409	18.400	18.457	VV	511923	16475375	21	
304	18.490	18.457	18.513	VV	594799	17719191	23	
305	18.538	18.513	18.562	VV	564331	14842516	19	
306	18.571	18.562	18.580	VV	485666	5139179	6.68%	0.116%
307	18.590	18.580	18.615	VV	492428	10028845	13.04%	0.227%
308	18.628	18.615	18.647	VV	476233	8942652	11.63%	0.202%
309	18.669	18.647	18.688	VV	491994	11618009	15.11%	0.262%
310	18.698	18.688	18.780	VV	458576	23950345	31.14%	0.541%
311	18.815	18.780	18.860	VV	511180	21623053	28.12%	0.488%
312	18.886	18.860	18.931	VV	454363	17690385	23.00%	0.400%
313	18.994	18.931	19.055	VV	455939	30090886	39.13%	0.680%
314	19.065	19.055	19.079	VV	387966	5620199	7.31%	0.127%
315	19.086	19.079	19.102	VV	390308	5193735	6.75%	0.117%
316	19.120	19.102	19.144	VV	386698	9396511	12.22%	0.212%
317	19.201	19.144	19.258	VV	466347	27297107	35.49%	0.617%
318	19.291	19.258	19.364	VV	390563	22371328	29.09%	0.505%
319	19.393	19.364	19.411	VV	375065	10056627	13.08%	0.227%
320	19.424	19.411	19.444	VV	348066	6820480	8.87%	0.154%
321	19.454	19.444	19.484	VV	349497	8069050	10.49%	0.182%
322	19.503	19.484	19.546	VV	346654	12141953	15.79%	0.274%
323	19.594	19.546	19.650	VV	402533	21952647	28.54%	0.496%
324	19.706	19.650	19.760	VV	328740	20246582	26.33%	0.457%
325	19.774	19.760	19.792	VV	306261	5665347	7.37%	0.128%
326	19.805	19.792	19.851	VV	302060	10533391	13.70%	0.238%
327	19.887	19.851	19.931	VV	302517	13935007	18.12%	0.315%
328	19.973	19.931	20.046	VV	302522	19341594	25.15%	0.437%
329	20.056	20.046	20.066	VV	270062	3350287	4.36%	0.076%
330	20.101	20.066	20.148	VV	299589	13338788	17.34%	0.301%
331	20.176	20.148	20.225	VV	273576	11770282	15.30%	0.266%
332	20.255	20.225	20.281	VV	254755	8279348	10.77%	0.187%
333	20.287	20.281	20.321	VV	235194	5553141	7.22%	0.125%
334	20.373	20.321	20.438	VV	243203	15995843	20.80%	0.361%
335	20.460	20.438	20.478	VV	228334	5325903	6.93%	0.120%
336	20.493	20.478	20.561	VV	232121	10218597	13.29%	0.231%
337	20.590	20.561	20.625	VV	193305	7110967	9.25%	0.161%
338	20.633	20.625	20.670	VV	179949	4541382	5.91%	0.103%
339	20.684	20.670	20.820	VV	164760	13500400	17.55%	0.305%
340	20.831	20.820	20.890	VV	146334	5758836	7.49%	0.130%
341	20.906	20.890	20.938	VV	130723	3597267	4.68%	0.081%
342	20.963	20.938	21.003	VV	125291	4503100	5.86%	0.102%
343	21.012	21.003	21.055	VV	114551	3331275	4.33%	0.075%
344	21.066	21.055	21.111	VV	100128	3327514	4.33%	0.075%
345	21.150	21.111	21.228	VV	102950	6374768	8.29%	0.144%
346	21.239	21.228	21.299	VV	84783	3398524	4.42%	0.077%
347	21.310	21.299	21.355	VV	72432	2238464	2.91%	0.051%
348	21.370	21.355	21.431	VV	67048	2875900	3.74%	0.065%
349	21.451	21.431	21.532	VV	65698	3472199	4.51%	0.078%
350	21.541	21.532	21.598	VV	49988	1834259	2.39%	0.041%
351	21.608	21.598	21.629	VV	45243	822703	1.07%	0.019%

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/05/2025
Supervised By :Ankita Jodhani 03/05/2025

A B C D E F G H I J

rteres

352	21.654	21.629	21.691	VV	45566	1439065	1.87%	0.033%
353	21.707	21.691	21.718	VV	40105	584422		
354	21.726	21.718	21.799	VV	38529	1538648		
355	21.811	21.799	21.868	VV	28304	1013392		
356	21.876	21.868	21.888	VV	25431	268818		
357	21.897	21.888	21.914	VV	23379	310077		
358	21.925	21.914	21.959	VV	24077	526823	0.69%	0.012%
359	21.978	21.959	22.040	VV	20855	741738	0.96%	0.017%
360	22.059	22.040	22.098	VV	15001	327014	0.43%	0.007%
361	22.106	22.098	22.118	VV	9518	66877	0.09%	0.002%
362	22.129	22.118	22.138	VV	7328	53985	0.07%	0.001%
363	22.153	22.138	22.178	VV	8882	98260	0.13%	0.002%

Sum of corrected areas: 4427184568

Aliphatic EPH 021125.M Sat Mar 01 01:35:21 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049147.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 21:59
Operator : YP/AJ
Sample : Q1447-01
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WC1

Integration File: autoint1.e
Quant Time: Mar 01 02:23:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.352	8151579	56.961 ug/ml
Spiked Amount 50.000		Recovery = 113.92%	
6) S 2-Flurobiphenyl (SURR)	8.203	5354108	60.903 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 121.81%	
11) S ortho-Terphenyl (SURR)	11.247	10976009	67.848 ug/ml
Spiked Amount 50.000		Recovery = 135.70%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049147.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 21:59
Operator : YP/AJ
Sample : Q1447-01
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WC1

Integration File: autoint1.e
Quant Time: Mar 01 02:23:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
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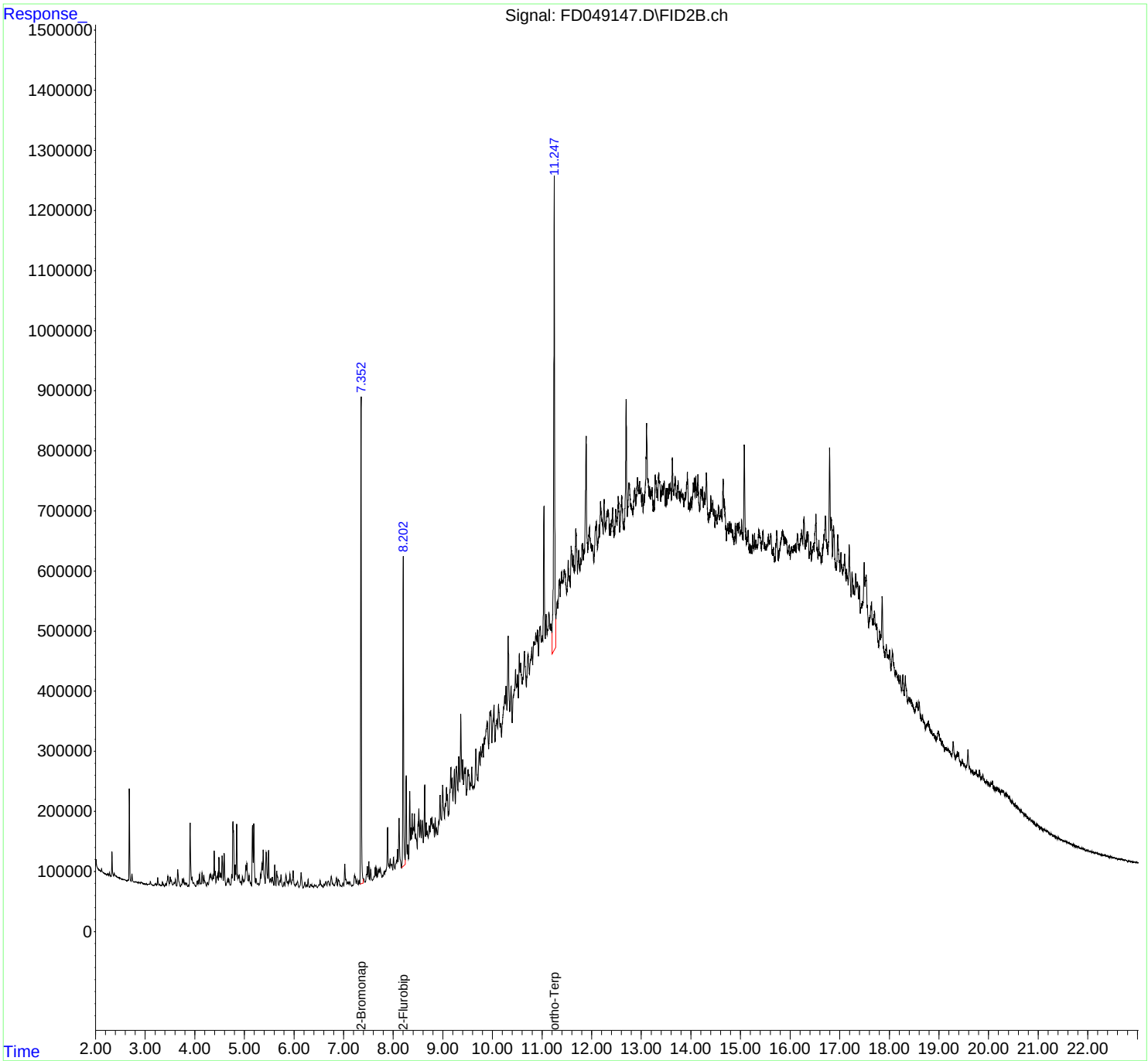
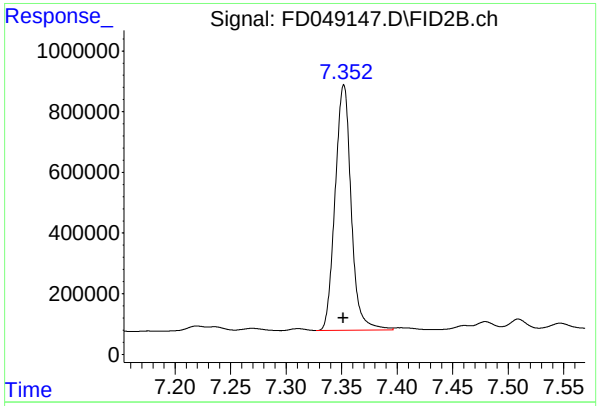
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

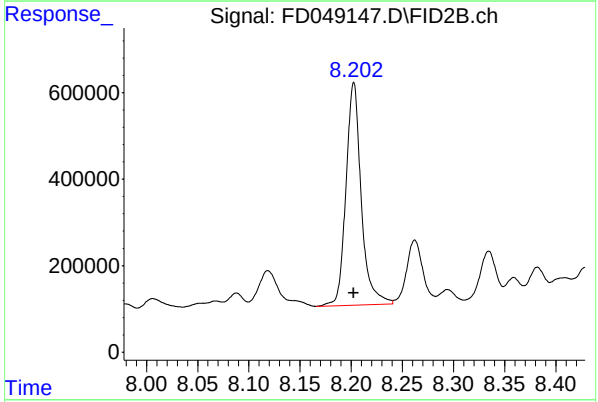




#4 2-Bromonaphthalene (SURR)

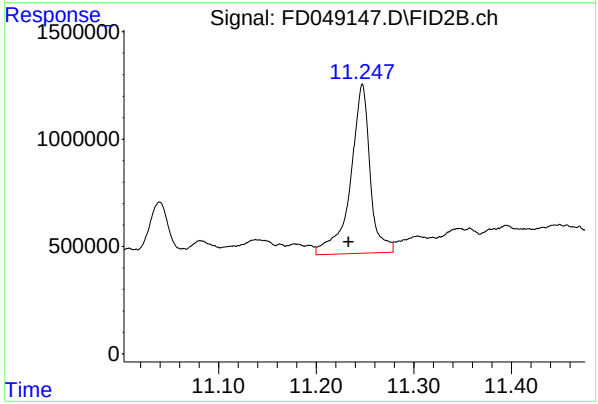
R.T.: 7.352 min
Delta R.T.: 0.000 min
Response: 8151579
Conc: 56.96 ug/ml

Instrument :
FID_D
ClientSampleId :
WC1



#6 2-Flurobiphenyl (SURR)

R.T.: 8.203 min
Delta R.T.: 0.000 min
Response: 5354108
Conc: 60.90 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.247 min
Delta R.T.: 0.014 min
Response: 10976009
Conc: 67.85 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049147.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 21:59
Sample : Q1447-01
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.049	4.042	4.060	PH	5453	36271	0.14%	0.002%
2	4.070	4.060	4.079	PV	5507	33836	0.13%	0.002%
3	4.095	4.079	4.116	VV	16819	175867	0.70%	0.008%
4	4.147	4.116	4.169	VV	20262	271566	1.08%	0.013%
5	4.183	4.169	4.236	VV	17205	276520	1.10%	0.013%
6	4.254	4.236	4.275	PV	5855	73720	0.29%	0.004%
7	4.306	4.275	4.317	VV	19530	323181	1.28%	0.016%
8	4.327	4.317	4.351	VV	19273	295943	1.18%	0.014%
9	4.366	4.351	4.377	VV	18505	228255	0.91%	0.011%
10	4.392	4.377	4.405	VV	58811	566541	2.25%	0.027%
11	4.413	4.405	4.428	VV	25110	226926	0.90%	0.011%
12	4.445	4.428	4.453	VV	16208	193546	0.77%	0.009%
13	4.464	4.453	4.475	VV	21319	213754	0.85%	0.010%
14	4.488	4.475	4.504	VV	48130	508169	2.02%	0.024%
15	4.517	4.504	4.535	VV	21883	343716	1.37%	0.017%
16	4.552	4.535	4.576	VV	51048	736395	2.92%	0.035%
17	4.593	4.576	4.627	VV	55027	708435	2.81%	0.034%
18	4.664	4.627	4.676	VV	12808	214689	0.85%	0.010%
19	4.687	4.676	4.724	VV	12417	181572	0.72%	0.009%
20	4.745	4.724	4.753	VV	20817	197248	0.78%	0.009%
21	4.769	4.753	4.777	VV	108091	1026358	4.08%	0.049%
22	4.781	4.777	4.802	VV	94051	803557	3.19%	0.039%
23	4.816	4.802	4.827	VV	36347	388427	1.54%	0.019%
24	4.845	4.827	4.866	VV	104047	1181904	4.69%	0.057%
25	4.877	4.866	4.888	VV	18384	207603	0.82%	0.010%
26	4.897	4.888	4.914	VV	18819	214852	0.85%	0.010%
27	4.929	4.914	4.943	VV	8767	121394	0.48%	0.006%
28	4.962	4.943	4.975	VV	17378	216473	0.86%	0.010%
29	4.984	4.975	4.995	VV	11363	116000	0.46%	0.006%
30	5.032	4.995	5.042	VV	35059	601673	2.39%	0.029%
31	5.052	5.042	5.080	VV	39510	506258	2.01%	0.024%
32	5.095	5.080	5.123	VV	19229	303189	1.20%	0.015%
33	5.130	5.123	5.143	VV	6691	61363	0.24%	0.003%
34	5.162	5.143	5.179	VV	102880	1198213	4.76%	0.058%
35	5.191	5.179	5.222	VV	105537	1211440	4.81%	0.058%
36	5.234	5.222	5.261	VV	14501	218853	0.87%	0.011%

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37	5.282	5.261	5.295	VV	5779	95808	0.38%	0.005%
38	5.326	5.295	5.336	VV	21234	267144	1.06%	0.013%
39	5.356	5.336	5.366	VV	39225	534674	2.12%	0.026%
40	5.380	5.366	5.420	VV	62061	956578	3.80%	0.046%
41	5.440	5.420	5.474	VV	58285	1054033	4.19%	0.051%
42	5.488	5.474	5.515	VV	61678	709491	2.82%	0.034%
43	5.531	5.515	5.552	VV	14455	257303	1.02%	0.012%
44	5.565	5.552	5.595	VV	17074	276727	1.10%	0.013%
45	5.612	5.595	5.636	VV	37800	438260	1.74%	0.021%
46	5.652	5.636	5.697	VV	27600	498668	1.98%	0.024%
47	5.712	5.697	5.723	VV	11301	129794	0.52%	0.006%
48	5.739	5.723	5.773	VV	21452	319813	1.27%	0.015%
49	5.801	5.773	5.817	VV	8972	132330	0.53%	0.006%
50	5.839	5.817	5.863	VV	20832	367421	1.46%	0.018%
51	5.873	5.863	5.884	VV	9866	104980	0.42%	0.005%
52	5.897	5.884	5.905	VV	11556	112591	0.45%	0.005%
53	5.918	5.905	5.948	VV	23125	349870	1.39%	0.017%
54	5.984	5.948	6.028	VV	28345	571250	2.27%	0.027%
55	6.042	6.028	6.050	VV	6447	66635	0.26%	0.003%
56	6.072	6.050	6.101	VV	10304	195881	0.78%	0.009%
57	6.144	6.101	6.185	VV	25392	426609	1.69%	0.021%
58	6.221	6.185	6.239	PV	9695	143691	0.57%	0.007%
59	6.254	6.239	6.267	VV	5387	58185	0.23%	0.003%
60	6.284	6.267	6.314	VV	14276	167489	0.67%	0.008%
61	6.337	6.314	6.347	VV	5741	65863	0.26%	0.003%
62	6.357	6.347	6.372	VV	5079	55102	0.22%	0.003%
63	6.383	6.372	6.397	VV	2593	27206	0.11%	0.001%
64	6.414	6.397	6.427	VV	5248	57788	0.23%	0.003%
65	6.447	6.427	6.470	VV	4291	65913	0.26%	0.003%
66	6.504	6.470	6.513	VV	5118	76727	0.30%	0.004%
67	6.528	6.513	6.561	VV	12074	180647	0.72%	0.009%
68	6.573	6.561	6.589	VV	3621	38088	0.15%	0.002%
69	6.607	6.589	6.619	PV	6164	65609	0.26%	0.003%
70	6.642	6.619	6.665	VV	10165	187592	0.75%	0.009%
71	6.692	6.665	6.725	VV	10874	260372	1.03%	0.013%
72	6.751	6.725	6.781	VV	18339	349421	1.39%	0.017%
73	6.788	6.781	6.816	VV	5105	77265	0.31%	0.004%
74	6.856	6.816	6.875	VV	15535	272343	1.08%	0.013%
75	6.892	6.875	6.965	VV	12994	292541	1.16%	0.014%
76	6.987	6.965	7.005	VV	6055	74293	0.30%	0.004%
77	7.024	7.005	7.044	VV	37442	445378	1.77%	0.021%
78	7.051	7.044	7.068	VV	11765	127400	0.51%	0.006%
79	7.081	7.068	7.094	VV	7184	85689	0.34%	0.004%
80	7.103	7.094	7.113	VV	6324	63441	0.25%	0.003%
81	7.126	7.113	7.163	VV	7374	122401	0.49%	0.006%
82	7.176	7.163	7.186	PV	1601	12422	0.05%	0.001%
83	7.220	7.186	7.229	VV	16942	198718	0.79%	0.010%
84	7.235	7.229	7.254	VV	14112	142807	0.57%	0.007%
85	7.270	7.254	7.295	VV	8420	109766	0.44%	0.005%
86	7.311	7.295	7.327	VV	6305	58627	0.23%	0.003%
87	7.352	7.327	7.396	PV	810682	8151865	32.38%	0.392%
88	7.403	7.396	7.427	VV	7189	91520	0.36%	0.004%
89	7.433	7.427	7.435	VV	1157	5269	0.02%	0.000%

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90	7.480	7.435	7.494	VV	25943	413989	1.64%	0.020%
91	7.509	7.494	7.528	VV	33880	360773	1.43%	0.017%
92	7.547	7.528	7.581	VV	19152	248964	0.99%	0.012%
93	7.614	7.581	7.621	VV	6411	68652	0.27%	0.003%
94	7.639	7.621	7.653	VV	21166	250040	0.99%	0.012%
95	7.666	7.653	7.681	VV	18691	187973	0.75%	0.009%
96	7.715	7.681	7.727	VV	16171	314544	1.25%	0.015%
97	7.741	7.727	7.774	VV	17379	284895	1.13%	0.014%
98	7.789	7.774	7.799	VV	4432	41418	0.16%	0.002%
99	7.816	7.799	7.827	VV	9919	117120	0.47%	0.006%
100	7.839	7.827	7.849	VV	9985	112949	0.45%	0.005%
101	7.887	7.849	7.908	VV	81884	1145891	4.55%	0.055%
102	7.916	7.908	7.926	VV	18241	177886	0.71%	0.009%
103	7.940	7.926	7.953	VV	28192	344956	1.37%	0.017%
104	7.977	7.953	7.991	VV	18444	372917	1.48%	0.018%
105	8.006	7.991	8.035	VV	29482	474845	1.89%	0.023%
106	8.068	8.035	8.074	VV	22828	401233	1.59%	0.019%
107	8.088	8.074	8.100	VV	40708	446961	1.78%	0.021%
108	8.119	8.100	8.166	VV	92002	1534130	6.09%	0.074%
109	8.203	8.166	8.241	VV	524605	5808276	23.07%	0.279%
110	8.262	8.241	8.283	VV	159417	1929946	7.67%	0.093%
111	8.294	8.283	8.311	VV	44116	550951	2.19%	0.026%
112	8.335	8.311	8.349	VV	132018	1662634	6.60%	0.080%
113	8.359	8.349	8.369	VV	70608	717580	2.85%	0.035%
114	8.382	8.369	8.395	VV	93851	1137156	4.52%	0.055%
115	8.409	8.395	8.416	VV	69061	827599	3.29%	0.040%
116	8.429	8.416	8.442	VV	92218	1187722	4.72%	0.057%
117	8.451	8.442	8.485	VV	57297	1257857	5.00%	0.060%
118	8.501	8.485	8.506	VV	74699	743276	2.95%	0.036%
119	8.518	8.506	8.533	VV	98273	1238556	4.92%	0.060%
120	8.549	8.533	8.567	VV	78841	1302875	5.18%	0.063%
121	8.586	8.567	8.607	VV	76825	1491741	5.93%	0.072%
122	8.636	8.607	8.652	VV	135922	2138512	8.49%	0.103%
123	8.666	8.652	8.678	VV	72232	939784	3.73%	0.045%
124	8.687	8.678	8.706	VV	55929	852068	3.38%	0.041%
125	8.728	8.706	8.745	VV	65591	1364486	5.42%	0.066%
126	8.760	8.745	8.772	VV	77264	1111333	4.41%	0.053%
127	8.783	8.772	8.801	VV	79141	1211397	4.81%	0.058%
128	8.815	8.801	8.833	VV	66543	1114991	4.43%	0.054%
129	8.847	8.833	8.862	VV	75746	1073213	4.26%	0.052%
130	8.875	8.862	8.896	VV	58430	1076637	4.28%	0.052%
131	8.918	8.896	8.926	VV	68369	1070199	4.25%	0.051%
132	8.945	8.926	8.973	VV	111326	2405631	9.56%	0.116%
133	8.999	8.973	9.034	VV	127032	3418549	13.58%	0.164%
134	9.052	9.034	9.061	VV	95665	1381776	5.49%	0.066%
135	9.074	9.061	9.085	VV	121951	1568776	6.23%	0.075%
136	9.093	9.085	9.109	VV	110003	1387027	5.51%	0.067%
137	9.163	9.109	9.178	VV	152340	4545173	18.05%	0.219%
138	9.188	9.178	9.205	VV	134344	1858036	7.38%	0.089%
139	9.235	9.205	9.254	VV	148798	3497035	13.89%	0.168%
140	9.272	9.254	9.304	VV	151574	3886619	15.44%	0.187%
141	9.322	9.304	9.343	VV	167086	3333052	13.24%	0.160%

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142	9.364	9.343	9.390	VV	235944	4700519	18.67%	0.226%
143	9.402	9.390	9.418	VV	160237	2425116	9.63%	0.117%
144	9.441	9.418	9.449	VV	144617	2444874	9.71%	0.118%
145	9.458	9.449	9.476	VV	145044	2105886	8.36%	0.101%
146	9.509	9.476	9.522	VV	141617	3347851	13.30%	0.161%
147	9.528	9.522	9.545	VV	132867	1715250	6.81%	0.082%
148	9.559	9.545	9.569	VV	116696	1629938	6.47%	0.078%
149	9.584	9.569	9.610	VV	144016	2979203	11.83%	0.143%
150	9.619	9.610	9.627	VV	111272	1137657	4.52%	0.055%
151	9.636	9.627	9.640	VV	111401	876432	3.48%	0.042%
152	9.667	9.640	9.708	VV	171819	5559171	22.08%	0.267%
153	9.738	9.708	9.753	VV	165739	3969707	15.77%	0.191%
154	9.766	9.753	9.782	VV	172999	2797451	11.11%	0.135%
155	9.805	9.782	9.818	VV	177673	3580303	14.22%	0.172%
156	9.832	9.818	9.843	VV	186015	2623234	10.42%	0.126%
157	9.894	9.843	9.925	VV	212635	9462677	37.59%	0.455%
158	9.949	9.925	9.957	VV	227094	3965816	15.75%	0.191%
159	9.969	9.957	9.991	VV	229455	4259745	16.92%	0.205%
160	10.033	9.991	10.055	VV	236044	7925556	31.48%	0.381%
161	10.091	10.055	10.108	VV	210086	6311161	25.07%	0.304%
162	10.123	10.108	10.155	VV	235923	6135270	24.37%	0.295%
163	10.165	10.155	10.184	VV	203369	3342360	13.28%	0.161%
164	10.228	10.184	10.234	VV	230232	6264582	24.88%	0.301%
165	10.248	10.234	10.259	VV	248055	3570237	14.18%	0.172%
166	10.275	10.259	10.293	VV	263171	5070431	20.14%	0.244%
167	10.317	10.293	10.350	VV	345108	9256218	36.77%	0.445%
168	10.376	10.350	10.399	VV	259817	6886739	27.35%	0.331%
169	10.440	10.399	10.451	VV	253323	7506876	29.82%	0.361%
170	10.466	10.451	10.484	VV	285890	5173021	20.55%	0.249%
171	10.506	10.484	10.525	VV	276198	6395602	25.40%	0.308%
172	10.543	10.525	10.558	VV	311082	5578700	22.16%	0.268%
173	10.571	10.558	10.604	VV	294562	7648220	30.38%	0.368%
174	10.613	10.604	10.620	VV	269241	2525136	10.03%	0.121%
175	10.647	10.620	10.682	VV	312261	10668849	42.38%	0.513%
176	10.713	10.682	10.748	VV	304880	11230712	44.61%	0.540%
177	10.795	10.748	10.811	VV	315539	11203348	44.50%	0.539%
178	10.835	10.811	10.844	VV	324325	6084867	24.17%	0.293%
179	10.849	10.844	10.864	VV	323467	3821259	15.18%	0.184%
180	10.875	10.864	10.898	VV	337538	6716175	26.68%	0.323%
181	10.906	10.898	10.929	VV	341607	6110758	24.27%	0.294%
182	10.967	10.929	10.988	VV	346856	11700593	46.47%	0.563%
183	11.008	10.988	11.016	VV	330354	5515552	21.91%	0.265%
184	11.039	11.016	11.066	VV	544704	12406178	49.28%	0.597%
185	11.081	11.066	11.102	VV	363648	7414785	29.45%	0.357%
186	11.138	11.102	11.159	VV	366580	11831845	47.00%	0.569%
187	11.163	11.159	11.169	VV	344956	2046949	8.13%	0.098%
188	11.178	11.169	11.189	VV	345701	4096121	16.27%	0.197%
189	11.193	11.189	11.200	VV	339085	2243681	8.91%	0.108%
190	11.247	11.200	11.279	VV	1089043	25176311	100.00%	1.211%
191	11.304	11.279	11.323	VV	380059	9772262	38.82%	0.470%
192	11.346	11.323	11.353	VV	414125	7114186	28.26%	0.342%
193	11.357	11.353	11.368	VV	415714	3675507	14.60%	0.177%
194	11.395	11.368	11.409	VV	427845	10066111	39.98%	0.484%

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195	11.450	11.409	11.495	VV	430542	21342255	84.77%	1.026%
196	11.528	11.495	11.548	VV	443050	13331540	52.95%	0.641%
197	11.555	11.548	11.569	VV	417480	5137479	20.41%	0.247%
198	11.588	11.569	11.621	VV	465655	13532725	53.75%	0.651%
199	11.628	11.621	11.648	VV	447870	7167085	28.47%	0.345%
200	11.658	11.648	11.663	VV	430274	3844714	15.27%	0.185%
201	11.681	11.663	11.715	VV	492889	14224564	56.50%	0.684%
202	11.738	11.715	11.767	VV	455117	13661740	54.26%	0.657%
203	11.777	11.767	11.787	VV	441751	5261035	20.90%	0.253%
204	11.805	11.787	11.810	VV	464134	6237235	24.77%	0.300%
205	11.816	11.810	11.832	VV	465852	5813174	23.09%	0.280%
206	11.848	11.832	11.853	VV	455170	5801819	23.04%	0.279%
207	11.890	11.853	11.919	VV	640589	20478242	81.34%	0.985%
208	11.958	11.919	12.003	VV	489587	23390376	92.91%	1.125%
209	12.009	12.003	12.018	VV	457747	4250538	16.88%	0.204%
210	12.024	12.018	12.046	VV	455743	7403502	29.41%	0.356%
211	12.082	12.046	12.086	VV	486222	11197616	44.48%	0.539%
212	12.093	12.086	12.115	VV	494560	8210194	32.61%	0.395%
213	12.149	12.115	12.157	VV	488456	11797700	46.86%	0.567%
214	12.180	12.157	12.232	VV	526916	22236828	88.32%	1.070%
215	12.252	12.232	12.275	VV	529347	12924418	51.34%	0.622%
216	12.281	12.275	12.285	VV	483119	2839431	11.28%	0.137%
217	12.317	12.285	12.323	VV	508756	11456590	45.51%	0.551%
218	12.334	12.323	12.357	VV	508475	9980312	39.64%	0.480%
219	12.372	12.357	12.383	VV	486025	7500549	29.79%	0.361%
220	12.397	12.383	12.404	VV	491205	5884428	23.37%	0.283%
221	12.424	12.404	12.450	VV	511445	13606473	54.04%	0.654%
222	12.461	12.450	12.466	VV	477345	4652583	18.48%	0.224%
223	12.488	12.466	12.509	VV	505310	12637488	50.20%	0.608%
224	12.537	12.509	12.566	VV	527007	16887962	67.08%	0.812%
225	12.610	12.566	12.645	VV	526124	23693388	94.11%	1.140%
226	12.648	12.645	12.654	VV	478625	2370324	9.41%	0.114%
227	12.695	12.654	12.720	VV	685322	21843714	86.76%	1.051%
228	12.753	12.720	12.760	VV	545449	12593506	50.02%	0.606%
229	12.763	12.760	12.790	VV	543422	9386008	37.28%	0.451%
230	12.795	12.790	12.834	VV	505253	12979811	51.56%	0.624%
231	12.867	12.834	12.887	VV	532815	16665722	66.20%	0.802%
232	12.896	12.887	12.900	VV	522921	3982893	15.82%	0.192%
233	12.924	12.900	12.949	VV	550234	15463463	61.42%	0.744%
234	12.965	12.949	12.978	VV	543317	9373704	37.23%	0.451%
235	12.994	12.978	13.007	VV	530642	9053181	35.96%	0.435%
236	13.024	13.007	13.036	VV	519833	8807163	34.98%	0.424%
237	13.054	13.036	13.065	VV	518253	8698661	34.55%	0.418%
238	13.108	13.065	13.134	VV	635446	23220979	92.23%	1.117%
239	13.138	13.134	13.152	VV	543237	5994266	23.81%	0.288%
240	13.170	13.152	13.178	VV	529297	7815504	31.04%	0.376%
241	13.183	13.178	13.192	VV	524104	4442878	17.65%	0.214%
242	13.198	13.192	13.205	VV	519853	4162473	16.53%	0.200%
243	13.218	13.205	13.238	VV	526406	10073967	40.01%	0.485%
244	13.252	13.238	13.265	VV	504950	7850642	31.18%	0.378%
245	13.281	13.265	13.314	VV	546534	15478885	61.48%	0.744%
246	13.319	13.314	13.322	VV	517366	2558029	10.16%	0.123%

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247	13.326	13.322	13.335	VV	520441	4110771	16.33%	0.198%
248	13.352	13.335	13.367	VV	547609	10124904	40.22%	0.487%
249	13.373	13.367	13.393	VV	532924	8101111	32.18%	0.390%
250	13.400	13.393	13.409	VV	514965	4784175	19.00%	0.230%
251	13.416	13.409	13.422	VV	525235	4159552	16.52%	0.200%
252	13.427	13.422	13.438	VV	522782	4910436	19.50%	0.236%
253	13.451	13.438	13.458	VV	527758	6339423	25.18%	0.305%
254	13.463	13.458	13.487	VV	530381	8825917	35.06%	0.424%
255	13.501	13.487	13.515	VV	518335	8584642	34.10%	0.413%
256	13.531	13.515	13.547	VV	518123	9643150	38.30%	0.464%
257	13.566	13.547	13.572	VV	524439	7877587	31.29%	0.379%
258	13.585	13.572	13.609	VV	525441	11150210	44.29%	0.536%
259	13.628	13.609	13.652	VV	566640	13829488	54.93%	0.665%
260	13.682	13.652	13.709	VV	534192	17593034	69.88%	0.846%
261	13.715	13.709	13.722	VV	506161	4007946	15.92%	0.193%
262	13.743	13.722	13.757	VV	526679	10741075	42.66%	0.517%
263	13.764	13.757	13.769	VV	504077	3584857	14.24%	0.172%
264	13.776	13.769	13.785	VV	507607	4747530	18.86%	0.228%
265	13.794	13.785	13.800	VV	505025	4677796	18.58%	0.225%
266	13.805	13.800	13.819	VV	508433	5519801	21.92%	0.265%
267	13.833	13.819	13.851	VV	504066	9668446	38.40%	0.465%
268	13.871	13.851	13.875	VV	493205	7011789	27.85%	0.337%
269	13.890	13.875	13.897	VV	504178	6383502	25.36%	0.307%
270	13.910	13.897	13.915	VV	516910	5634046	22.38%	0.271%
271	13.930	13.915	13.954	VV	536770	11841001	47.03%	0.570%
272	13.968	13.954	13.977	VV	484172	6848338	27.20%	0.329%
273	14.004	13.977	14.016	VV	493090	11002746	43.70%	0.529%
274	14.047	14.016	14.062	VV	514975	13747242	54.60%	0.661%
275	14.073	14.062	14.084	VV	522201	6719719	26.69%	0.323%
276	14.102	14.084	14.117	VV	525500	9976975	39.63%	0.480%
277	14.141	14.117	14.175	VV	524992	17505318	69.53%	0.842%
278	14.208	14.175	14.230	VV	502075	16091841	63.92%	0.774%
279	14.237	14.230	14.256	VV	505977	7597954	30.18%	0.365%
280	14.269	14.256	14.284	VV	495405	7938860	31.53%	0.382%
281	14.309	14.284	14.353	VV	526195	20197574	80.22%	0.971%
282	14.361	14.353	14.369	VV	456000	4119266	16.36%	0.198%
283	14.373	14.369	14.379	VV	458716	2727839	10.83%	0.131%
284	14.401	14.379	14.425	VV	486363	12991703	51.60%	0.625%
285	14.441	14.425	14.467	VV	477986	11671805	46.36%	0.561%
286	14.472	14.467	14.483	VV	459310	4271708	16.97%	0.205%
287	14.505	14.483	14.526	VV	458671	11650145	46.27%	0.560%
288	14.554	14.526	14.576	VV	467183	13540858	53.78%	0.651%
289	14.587	14.576	14.595	VV	449576	5118406	20.33%	0.246%
290	14.602	14.595	14.606	VV	455787	3046806	12.10%	0.147%
291	14.611	14.606	14.628	VV	456038	5822581	23.13%	0.280%
292	14.651	14.628	14.715	VV	507806	24052121	95.53%	1.157%
293	14.745	14.715	14.759	VV	432722	11075908	43.99%	0.533%
294	14.776	14.759	14.805	VV	433925	11555793	45.90%	0.556%
295	14.812	14.805	14.824	VV	429898	4831400	19.19%	0.232%
296	14.829	14.824	14.836	VV	419454	2952558	11.73%	0.142%
297	14.846	14.836	14.866	VV	419462	7533962	29.92%	0.362%
298	14.895	14.866	14.914	VV	430345	11571860	45.96%	0.557%
299	14.929	14.914	14.940	VV	426390	6533350	25.95%	0.314%

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300	14.950	14.940	14.955	VV	427041	3964368	15.75%	0.191%
301	14.973	14.955	14.987	VV	429307	7976960	31.68%	0.384%
302	15.007	14.987	15.012	VV	413712	6174949	24.53%	0.297%
303	15.021	15.012	15.044	VV	431790	8029946	31.89%	0.386%
304	15.049	15.044	15.053	VV	411034	2210515	8.78%	0.106%
305	15.075	15.053	15.106	VV	556125	14692210	58.36%	0.707%
306	15.113	15.106	15.122	VV	407667	3772158	14.98%	0.181%
307	15.128	15.122	15.138	VV	400122	3776385	15.00%	0.182%
308	15.146	15.138	15.152	VV	411726	3382195	13.43%	0.163%
309	15.156	15.152	15.169	VV	411851	4010096	15.93%	0.193%
310	15.175	15.169	15.180	VV	384361	2576563	10.23%	0.124%
311	15.186	15.180	15.190	VV	384924	2230962	8.86%	0.107%
312	15.195	15.190	15.204	VV	388597	3187716	12.66%	0.153%
313	15.213	15.204	15.230	VV	384723	5876838	23.34%	0.283%
314	15.244	15.230	15.270	VV	400966	9471233	37.62%	0.456%
315	15.282	15.270	15.299	VV	402532	6604408	26.23%	0.318%
316	15.311	15.299	15.336	VV	389494	8540125	33.92%	0.411%
317	15.359	15.336	15.365	VV	400155	6804393	27.03%	0.327%
318	15.371	15.365	15.390	VV	406754	6107719	24.26%	0.294%
319	15.393	15.390	15.423	VV	397438	7666270	30.45%	0.369%
320	15.448	15.423	15.477	VV	403726	12416660	49.32%	0.597%
321	15.482	15.477	15.505	VV	383865	6488146	25.77%	0.312%
322	15.508	15.505	15.512	VV	376997	1598639	6.35%	0.077%
323	15.535	15.512	15.542	VV	379444	6660643	26.46%	0.320%
324	15.555	15.542	15.560	VV	391954	4134394	16.42%	0.199%
325	15.564	15.560	15.575	VV	396633	3429343	13.62%	0.165%
326	15.580	15.575	15.587	VV	385809	2820170	11.20%	0.136%
327	15.606	15.587	15.633	VV	396263	10635605	42.24%	0.512%
328	15.640	15.633	15.648	VV	369122	3236438	12.86%	0.156%
329	15.664	15.648	15.690	VV	371374	9186816	36.49%	0.442%
330	15.730	15.690	15.764	VV	398486	16331748	64.87%	0.785%
331	15.769	15.764	15.774	VV	364187	2069542	8.22%	0.100%
332	15.834	15.774	15.839	VV	393411	14562860	57.84%	0.700%
333	15.844	15.839	15.875	VV	395334	8347589	33.16%	0.401%
334	15.885	15.875	15.896	VV	384523	4773328	18.96%	0.230%
335	15.905	15.896	15.944	VV	381251	10892877	43.27%	0.524%
336	15.949	15.944	15.959	VV	360825	3119684	12.39%	0.150%
337	15.985	15.959	16.004	VV	369533	9723598	38.62%	0.468%
338	16.036	16.004	16.059	VV	364564	11817821	46.94%	0.568%
339	16.079	16.059	16.090	VV	364930	6731439	26.74%	0.324%
340	16.095	16.090	16.100	VV	366823	2236961	8.89%	0.108%
341	16.109	16.100	16.120	VV	366472	4379799	17.40%	0.211%
342	16.147	16.120	16.189	VV	383250	15056799	59.81%	0.724%
343	16.222	16.189	16.226	VV	382504	8380560	33.29%	0.403%
344	16.234	16.226	16.253	VV	387479	6055218	24.05%	0.291%
345	16.280	16.253	16.305	VV	407840	11962863	47.52%	0.575%
346	16.309	16.305	16.312	VV	367528	1529839	6.08%	0.074%
347	16.317	16.312	16.322	VV	368348	2203491	8.75%	0.106%
348	16.340	16.322	16.348	VV	381434	5736665	22.79%	0.276%
349	16.355	16.348	16.384	VV	381468	7900060	31.38%	0.380%
350	16.393	16.384	16.397	VV	346837	2626861	10.43%	0.126%
351	16.411	16.397	16.435	VV	362093	8005472	31.80%	0.385%

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352	16.469	16.435	16.485	VV	360703	10541125	41.87%	0.507%
353	16.518	16.485	16.561	VV	407815	16794299	66.71%	0.808%
354	16.579	16.561	16.589	VV	361603	5700754	22.64%	0.274%
355	16.597	16.589	16.627	VV	341115	7769825	30.86%	0.374%
356	16.636	16.627	16.644	VV	335298	3338466	13.26%	0.161%
357	16.664	16.644	16.669	VV	355546	5178881	20.57%	0.249%
358	16.683	16.669	16.691	VV	370451	4768921	18.94%	0.229%
359	16.710	16.691	16.762	VV	400277	15584634	61.90%	0.750%
360	16.795	16.762	16.816	VV	509887	13315740	52.89%	0.640%
361	16.826	16.816	16.853	VV	395647	8293178	32.94%	0.399%
362	16.876	16.853	16.908	VV	381296	11721597	46.56%	0.564%
363	16.914	16.908	16.921	VV	318548	2335694	9.28%	0.112%
364	16.925	16.921	16.937	VV	312481	2985091	11.86%	0.144%
365	16.960	16.937	17.005	VV	364046	13552544	53.83%	0.652%
366	17.022	17.005	17.060	VV	332837	10172895	40.41%	0.489%
367	17.098	17.060	17.122	VV	328543	11572718	45.97%	0.557%
368	17.135	17.122	17.168	VV	301370	7968767	31.65%	0.383%
369	17.191	17.168	17.230	VV	341092	10937937	43.45%	0.526%
370	17.250	17.230	17.268	VV	295635	6248718	24.82%	0.301%
371	17.280	17.268	17.300	VV	272104	5120053	20.34%	0.246%
372	17.322	17.300	17.380	VV	291280	13052287	51.84%	0.628%
373	17.396	17.380	17.415	VV	268551	5209938	20.69%	0.251%
374	17.436	17.415	17.443	VV	238346	3851518	15.30%	0.185%
375	17.458	17.443	17.463	VV	241743	2821409	11.21%	0.136%
376	17.492	17.463	17.507	VV	305926	7077415	28.11%	0.340%
377	17.532	17.507	17.551	VV	283355	7185797	28.54%	0.346%
378	17.555	17.551	17.583	VV	233273	4089159	16.24%	0.197%
379	17.626	17.583	17.631	VV	229211	6107695	24.26%	0.294%
380	17.641	17.631	17.661	VV	235836	3989909	15.85%	0.192%
381	17.670	17.661	17.679	VV	208580	2160841	8.58%	0.104%
382	17.699	17.679	17.739	VV	219267	7355173	29.21%	0.354%
383	17.749	17.739	17.780	VV	197755	4360490	17.32%	0.210%
384	17.805	17.780	17.822	VV	184424	4327403	17.19%	0.208%
385	17.827	17.822	17.832	VV	177007	1075517	4.27%	0.052%
386	17.855	17.832	17.912	VV	239644	8475800	33.67%	0.408%
387	17.938	17.912	17.959	VV	159034	4181422	16.61%	0.201%
388	17.966	17.959	17.973	VV	140652	1170547	4.65%	0.056%
389	17.978	17.973	17.993	VV	140409	1643132	6.53%	0.079%
390	18.004	17.993	18.034	VV	148065	3199463	12.71%	0.154%
391	18.059	18.034	18.086	VV	146315	4089188	16.24%	0.197%
392	18.091	18.086	18.108	VV	125532	1541779	6.12%	0.074%
393	18.111	18.108	18.119	VV	108133	683730	2.72%	0.033%
394	18.128	18.119	18.137	VV	112196	1192280	4.74%	0.057%
395	18.140	18.137	18.168	VV	108208	1915564	7.61%	0.092%
396	18.184	18.168	18.196	VV	102374	1593375	6.33%	0.077%
397	18.220	18.196	18.241	VV	100537	2507774	9.96%	0.121%
398	18.245	18.241	18.252	VV	77371	486470	1.93%	0.023%
399	18.271	18.252	18.300	VV	100475	2390684	9.50%	0.115%
400	18.321	18.300	18.369	VV	98281	3087636	12.26%	0.149%
401	18.384	18.369	18.389	VV	59743	664583	2.64%	0.032%
402	18.392	18.389	18.405	VV	61314	560735	2.23%	0.027%
403	18.410	18.405	18.414	VV	58565	308923	1.23%	0.015%
404	18.422	18.414	18.442	VV	58331	916460	3.64%	0.044%

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405	18.449	18.442	18.464	VV	54008	653619	2.60%	0.031%
406	18.468	18.464	18.473	VV	48802	242624	0.96%	0.012%
407	18.478	18.473	18.492	VV	46030	497539	1.98%	0.024%
408	18.497	18.492	18.515	VV	41269	504607	2.00%	0.024%
409	18.542	18.515	18.553	VV	47864	922668	3.66%	0.044%
410	18.563	18.553	18.577	VV	47479	618587	2.46%	0.030%
411	18.582	18.577	18.587	VV	38658	224252	0.89%	0.011%
412	18.601	18.587	18.627	VV	46909	881746	3.50%	0.042%
413	18.633	18.627	18.649	VV	24934	265630	1.06%	0.013%
414	18.665	18.649	18.688	VV	25850	455880	1.81%	0.022%
415	18.692	18.688	18.701	VV	14974	94937	0.38%	0.005%
416	18.708	18.701	18.729	VV	11298	118056	0.47%	0.006%
417	18.734	18.729	18.739	PV	3714	9761	0.04%	0.000%

Sum of corrected areas: 2079158946

Aromatic EPH 021125.M Sat Mar 01 04:06:55 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030425AL\
Data File : FC068362.D
Signal(s) : FID1A.ch
Acq On : 05 Mar 2025 07:38
Operator : YP/AJ
Sample : Q1447-01DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC1DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025

Integration File: autoint1.e
Quant Time: Mar 05 13:31:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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			
12) S 1-chlorooctadecane (S...	12.837	603306	5.364 ug/mlm
Spiked Amount 50.000		Recovery = 10.73%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

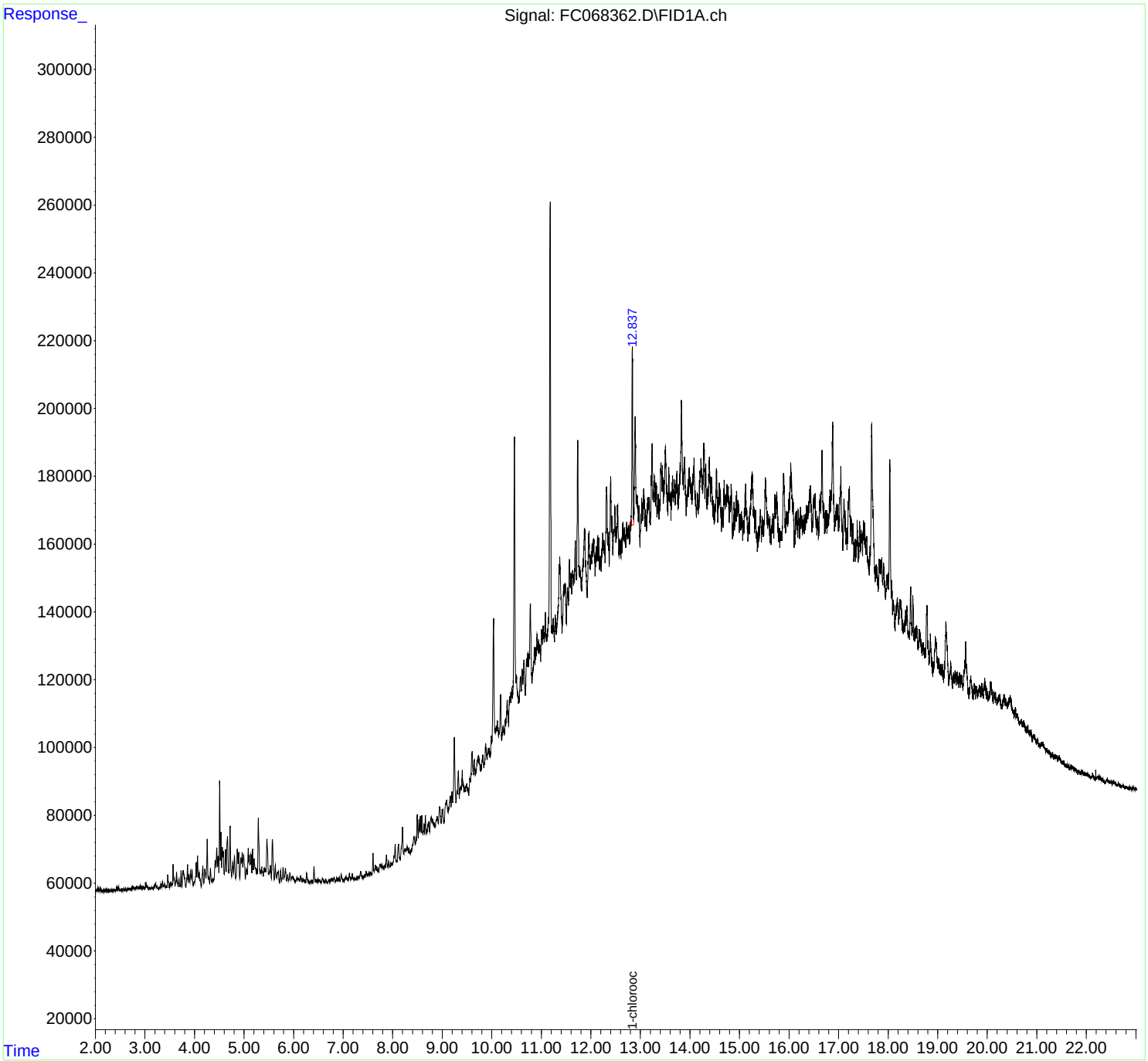
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030425AL\
Data File : FC068362.D
Signal(s) : FID1A.ch
Acq On : 05 Mar 2025 07:38
Operator : YP/AJ
Sample : Q1447-01DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

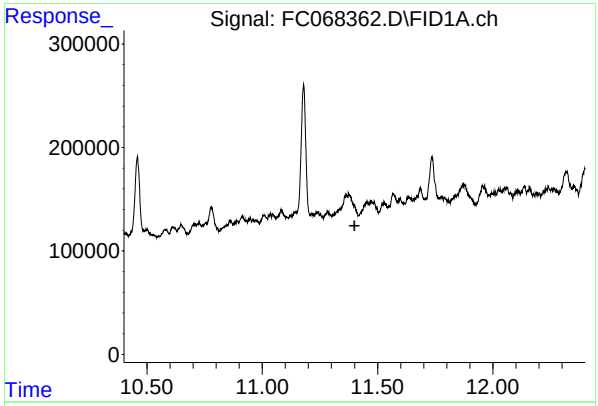
Integration File: autoint1.e
Quant Time: Mar 05 13:31:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_C
ClientSampleId :
WC1DL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025





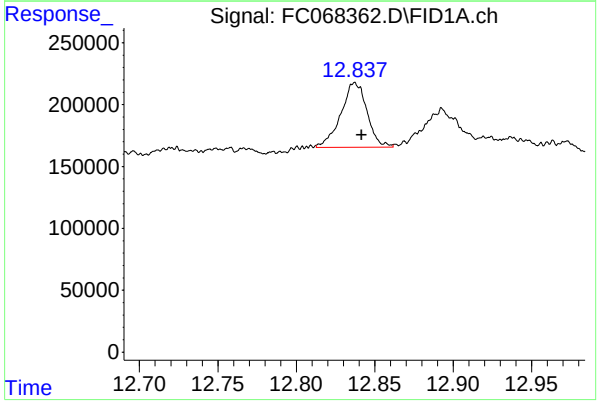
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.400 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WC1DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025



#12 1-chlorooctadecane (SURR)

R.T.: 12.837 min
Delta R.T.: -0.004 min
Response: 603306
Conc: 5.36 ug/ml m

Instrument :
FID_C
ClientSampleId :
WC1DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC03042
Data File : FC068362.D
Signal(s) : FID1A.ch
Acq On : 05 Mar 2025 07:38
Sample : Q1447-01DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	2.333	2.304	2.359	BV	174	2894	0.04%	0.001%
2	2.376	2.359	2.404	VV	378	4651	0.06%	0.001%
3	2.427	2.404	2.454	VV	1131	13822	0.17%	0.003%
4	2.468	2.454	2.505	VV	1120	11803	0.15%	0.003%
5	2.521	2.505	2.534	VV	437	4236	0.05%	0.001%
6	2.610	2.534	2.622	VV	286	12108	0.15%	0.003%
7	2.669	2.622	2.694	VV	583	14840	0.18%	0.003%
8	2.750	2.694	2.768	VV	807	20233	0.25%	0.004%
9	2.782	2.768	2.792	VV	628	7771	0.10%	0.002%
10	2.804	2.792	2.817	VV	543	7564	0.09%	0.002%
11	2.834	2.817	2.872	VV	978	19091	0.24%	0.004%
12	2.910	2.872	2.926	VV	1053	21293	0.26%	0.005%
13	2.955	2.926	2.986	VV	813	18195	0.22%	0.004%
14	3.023	2.986	3.037	VV	1622	25951	0.32%	0.006%
15	3.047	3.037	3.071	VV	1047	12996	0.16%	0.003%
16	3.091	3.071	3.128	VV	419	11053	0.14%	0.002%
17	3.142	3.128	3.154	VV	506	6081	0.07%	0.001%
18	3.169	3.154	3.176	VV	543	5469	0.07%	0.001%
19	3.215	3.176	3.268	VV	1853	41437	0.51%	0.009%
20	3.279	3.268	3.283	VV	248	1828	0.02%	0.000%
21	3.319	3.283	3.332	VV	1388	17007	0.21%	0.004%
22	3.352	3.332	3.386	VV	2092	38775	0.48%	0.008%
23	3.398	3.386	3.421	VV	1387	18610	0.23%	0.004%
24	3.460	3.421	3.492	VV	3995	62203	0.77%	0.013%
25	3.568	3.541	3.608	VV	7112	115635	1.43%	0.025%
26	3.638	3.608	3.669	VV	4862	80708	0.99%	0.017%
27	3.686	3.669	3.711	VV	2627	35394	0.44%	0.008%
28	3.729	3.711	3.746	VV	5120	48237	0.59%	0.010%
29	3.859	3.824	3.873	VV	6790	88453	1.09%	0.019%
30	3.887	3.873	3.904	VV	3888	50202	0.62%	0.011%
31	3.951	3.936	3.974	VV	5234	66417	0.82%	0.014%
32	4.034	3.974	4.046	VV	7410	126413	1.56%	0.027%
33	4.061	4.046	4.083	VV	9268	119435	1.47%	0.025%
34	4.095	4.083	4.134	VV	4389	74488	0.92%	0.016%
35	4.167	4.134	4.186	VV	6337	92923	1.15%	0.020%
36	4.209	4.186	4.231	VV	5336	93799	1.16%	0.020%

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Instrument :
FID_C
ClientSampleId :
WC1DL

Manual IntegrationsAPPROVED

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A B C D E F G H I J

rteres

37	4.322	4.304	4.346	VV	5471	78758	0.97%	0.017%
38	4.371	4.346	4.383	VV	2293	42901		
39	4.449	4.433	4.465	VV	11543	160843		
40	4.477	4.465	4.491	VV	9015	115895		
41	4.533	4.523	4.547	VV	16141	164761		
42	4.562	4.547	4.599	VV	11559	261777		
43	4.625	4.599	4.640	VV	10746	170720	2.10%	0.036%
44	4.718	4.693	4.750	VV	17810	269364	3.32%	0.057%
45	4.807	4.788	4.829	VV	8847	142760	1.76%	0.030%
46	4.864	4.829	4.880	VV	10837	191840	2.36%	0.041%
47	4.892	4.880	4.914	VV	9799	126048	1.55%	0.027%
48	4.935	4.914	4.948	VV	8330	121388	1.50%	0.026%
49	4.962	4.948	4.975	VV	9719	125227	1.54%	0.027%
50	4.992	4.975	5.028	VV	9090	201568	2.48%	0.043%
51	5.045	5.028	5.065	VV	5036	89199	1.10%	0.019%
52	5.085	5.065	5.119	VV	11036	244654	3.02%	0.052%
53	5.142	5.119	5.157	VV	9143	156785	1.93%	0.033%
54	5.172	5.157	5.188	VV	10724	138262	1.70%	0.030%
55	5.202	5.188	5.247	VV	7761	203766	2.51%	0.043%
56	5.356	5.341	5.391	VV	5281	119212	1.47%	0.025%
57	5.407	5.391	5.419	VV	5004	71858	0.89%	0.015%
58	5.430	5.419	5.440	VV	4691	54251	0.67%	0.012%
59	5.463	5.440	5.508	VV	13233	290062	3.58%	0.062%
60	5.533	5.508	5.550	VV	5678	105761	1.30%	0.023%
61	5.631	5.611	5.660	VV	5777	96481	1.19%	0.021%
62	5.691	5.660	5.718	VV	3838	87841	1.08%	0.019%
63	5.738	5.718	5.756	VV	4114	53200	0.66%	0.011%
64	5.787	5.756	5.806	VV	4987	76839	0.95%	0.016%
65	5.835	5.806	5.861	VV	4590	92340	1.14%	0.020%
66	5.880	5.861	5.899	VV	2852	42325	0.52%	0.009%
67	5.925	5.899	5.949	VV	3236	60345	0.74%	0.013%
68	5.965	5.949	5.974	VV	2057	26765	0.33%	0.006%
69	5.984	5.974	6.034	VV	2200	52633	0.65%	0.011%
70	6.067	6.034	6.084	VV	2014	39019	0.48%	0.008%
71	6.096	6.084	6.123	VV	1520	30095	0.37%	0.006%
72	6.142	6.123	6.170	VV	2257	40281	0.50%	0.009%
73	6.189	6.170	6.202	VV	1033	18146	0.22%	0.004%
74	6.214	6.202	6.244	VV	993	19395	0.24%	0.004%
75	6.264	6.244	6.333	VV	3108	55830	0.69%	0.012%
76	6.351	6.333	6.371	VV	709	10524	0.13%	0.002%
77	6.384	6.371	6.393	VV	663	6174	0.08%	0.001%
78	6.412	6.393	6.434	VV	4905	56496	0.70%	0.012%
79	6.447	6.434	6.471	VV	1171	15551	0.19%	0.003%
80	6.483	6.471	6.505	VV	732	10773	0.13%	0.002%
81	6.521	6.505	6.555	VV	842	15438	0.19%	0.003%
82	6.583	6.555	6.634	VV	1417	27469	0.34%	0.006%
83	6.653	6.634	6.685	VV	737	12857	0.16%	0.003%
84	6.708	6.685	6.735	PV	702	12822	0.16%	0.003%
85	6.761	6.735	6.771	VV	1103	16720	0.21%	0.004%
86	6.778	6.771	6.796	VV	1045	11993	0.15%	0.003%
87	6.818	6.796	6.846	VV	1418	22565	0.28%	0.005%
88	6.866	6.846	6.892	VV	789	16361	0.20%	0.003%
89	6.917	6.892	6.938	VV	945	16681	0.21%	0.004%

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Instrument :
FID_C
ClientSampleId :
WC1DL

rteres

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 03/08/2025

90	6.963	6.938	6.997	PV	2038	30062	0.37%	0.006%
91	7.055	6.997	7.074	VV	1069	25142		
92	7.087	7.074	7.111	VV	661	10478		
93	7.128	7.111	7.161	VV	2019	28510		
94	7.185	7.161	7.211	VV	1850	24339		
95	7.239	7.211	7.261	VV	402	8424		
96	7.298	7.261	7.318	VV	747	16315	0.20%	0.003%
97	7.356	7.318	7.386	VV	2198	45185	0.56%	0.010%
98	7.465	7.386	7.487	VV	1923	54346	0.67%	0.012%
99	7.518	7.487	7.533	VV	1509	30025	0.37%	0.006%
100	7.550	7.533	7.570	VV	1673	27895	0.34%	0.006%
101	7.603	7.570	7.624	VV	7176	100203	1.24%	0.021%
102	7.654	7.624	7.669	VV	3539	72780	0.90%	0.016%
103	7.679	7.669	7.695	VV	3036	36069	0.44%	0.008%
104	7.706	7.695	7.718	VV	2059	26320	0.32%	0.006%
105	7.745	7.718	7.768	VV	3637	87233	1.08%	0.019%
106	7.782	7.768	7.798	VV	3488	54858	0.68%	0.012%
107	7.808	7.798	7.824	VV	2856	40446	0.50%	0.009%
108	7.844	7.824	7.855	VV	3360	50772	0.63%	0.011%
109	7.875	7.855	7.899	VV	6160	110846	1.37%	0.024%
110	7.922	7.899	7.944	VV	4298	90106	1.11%	0.019%
111	7.965	7.944	7.980	VV	3772	69971	0.86%	0.015%
112	8.051	7.980	8.091	VV	8904	319244	3.94%	0.068%
113	8.116	8.091	8.153	VV	8975	229778	2.83%	0.049%
114	8.200	8.153	8.221	VV	13772	346888	4.28%	0.074%
115	8.257	8.221	8.270	VV	7391	203998	2.51%	0.044%
116	8.295	8.270	8.312	VV	8023	184678	2.28%	0.039%
117	8.322	8.312	8.348	VV	7090	142709	1.76%	0.030%
118	8.428	8.348	8.458	VV	10622	534528	6.59%	0.114%
119	8.496	8.458	8.516	VV	16722	408003	5.03%	0.087%
120	8.532	8.516	8.544	VV	15311	222470	2.74%	0.047%
121	8.560	8.544	8.574	VV	16503	252169	3.11%	0.054%
122	8.588	8.574	8.612	VV	16665	308741	3.81%	0.066%
123	8.633	8.612	8.645	VV	13884	248386	3.06%	0.053%
124	8.727	8.681	8.745	VV	14402	495672	6.11%	0.106%
125	8.781	8.745	8.797	VV	15774	446448	5.50%	0.095%
126	8.807	8.797	8.831	VV	14997	290776	3.58%	0.062%
127	8.844	8.831	8.858	VV	13886	217460	2.68%	0.046%
128	8.901	8.858	8.921	VV	15619	548329	6.76%	0.117%
129	8.949	8.921	8.979	VV	18451	565081	6.97%	0.121%
130	9.006	8.979	9.033	VV	17498	511237	6.30%	0.109%
131	9.165	9.114	9.180	VV	21430	749268	9.24%	0.160%
132	9.196	9.180	9.211	VV	22658	392451	4.84%	0.084%
133	9.245	9.211	9.279	VV	38731	1083696	13.36%	0.231%
134	9.325	9.279	9.346	VV	28482	938026	11.56%	0.200%
135	9.367	9.346	9.388	VV	23694	577050	7.11%	0.123%
136	9.405	9.388	9.444	VV	28560	842181	10.38%	0.180%
137	9.453	9.444	9.471	VV	23429	365247	4.50%	0.078%
138	9.495	9.471	9.508	VV	24177	520665	6.42%	0.111%
139	9.520	9.508	9.537	VV	23293	395403	4.87%	0.084%
140	9.561	9.537	9.573	VV	25787	532275	6.56%	0.114%
141	9.603	9.573	9.631	VV	33530	1017584	12.54%	0.217%

Instrument :
FID_C
ClientSampleId :
WC1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025

rteres

142	9.645	9.631	9.683	VV	30981	901481	11.11%	0.192%
143	9.732	9.683	9.742	VV	31661	1073519	13	
144	9.747	9.742	9.790	VV	31227	839570	10	
145	9.818	9.790	9.841	VV	32040	943093	11	
146	9.876	9.841	9.908	VV	35352	1285331	15	
147	9.943	9.908	9.967	VV	34002	1176375	14	
148	10.114	10.077	10.136	VV	42044	1402662	17.29%	0.299%
149	10.179	10.136	10.204	VV	49026	1688516	20.82%	0.360%
150	10.225	10.204	10.250	VV	39576	1049708	12.94%	0.224%
151	10.274	10.250	10.284	VV	41960	840537	10.36%	0.179%
152	10.311	10.284	10.341	VV	47417	1481718	18.27%	0.316%
153	10.362	10.341	10.370	VV	48667	793170	9.78%	0.169%
154	10.404	10.370	10.420	VV	50263	1480812	18.26%	0.316%
155	10.458	10.420	10.489	VV	124087	3094432	38.15%	0.661%
156	10.580	10.548	10.596	VV	53695	1473852	18.17%	0.315%
157	10.613	10.596	10.629	VV	56391	1092049	13.46%	0.233%
158	10.648	10.629	10.678	VV	58607	1578121	19.45%	0.337%
159	10.725	10.678	10.738	VV	60294	2048449	25.25%	0.437%
160	10.779	10.738	10.814	VV	75415	2835499	34.96%	0.605%
161	10.913	10.878	10.934	VV	65772	2099447	25.88%	0.448%
162	10.945	10.934	10.987	VV	63426	1978637	24.39%	0.422%
163	11.008	10.987	11.021	VV	66584	1326437	16.35%	0.283%
164	11.047	11.021	11.060	VV	68134	1526634	18.82%	0.326%
165	11.179	11.113	11.228	VV	191543	6331238	78.05%	1.351%
166	11.240	11.228	11.263	VV	70218	1435573	17.70%	0.306%
167	11.284	11.263	11.302	VV	69848	1595486	19.67%	0.341%
168	11.375	11.302	11.418	VV	87328	5258372	64.82%	1.122%
169	11.473	11.418	11.505	VV	80046	3913593	48.25%	0.835%
170	11.528	11.505	11.544	VV	77297	1758609	21.68%	0.375%
171	11.568	11.544	11.587	VV	86822	2055248	25.34%	0.439%
172	11.598	11.587	11.617	VV	81972	1429176	17.62%	0.305%
173	11.636	11.617	11.651	VV	83110	1644819	20.28%	0.351%
174	11.686	11.651	11.704	VV	91818	2709089	33.40%	0.578%
175	11.736	11.704	11.767	VV	121881	3646600	44.95%	0.778%
176	11.778	11.767	11.813	VV	84362	2263050	27.90%	0.483%
177	11.877	11.813	11.927	VV	95393	5820048	71.75%	1.242%
178	11.956	11.927	11.981	VV	93893	2827242	34.85%	0.603%
179	12.026	11.981	12.041	VV	90272	3139089	38.70%	0.670%
180	12.060	12.041	12.087	VV	91273	2451147	30.22%	0.523%
181	12.108	12.087	12.119	VV	88388	1649315	20.33%	0.352%
182	12.136	12.119	12.148	VV	92834	1560014	19.23%	0.333%
183	12.159	12.148	12.208	VV	91438	3159501	38.95%	0.674%
184	12.241	12.208	12.261	VV	93247	2807152	34.61%	0.599%
185	12.264	12.261	12.286	VV	91240	1326074	16.35%	0.283%
186	12.319	12.286	12.372	VV	106194	4873736	60.08%	1.040%
187	12.398	12.372	12.442	VV	109424	4130754	50.92%	0.882%
188	12.485	12.442	12.515	VV	100989	4128437	50.89%	0.881%
189	12.539	12.515	12.567	VV	99998	2941449	36.26%	0.628%
190	12.585	12.567	12.604	VV	91237	1974490	24.34%	0.421%
191	12.615	12.604	12.626	VV	89777	1188578	14.65%	0.254%
192	12.649	12.626	12.658	VV	94754	1744668	21.51%	0.372%
193	12.676	12.658	12.703	VV	94135	2512548	30.97%	0.536%
194	12.721	12.703	12.737	VV	94700	1910184	23.55%	0.408%

8

Instrument :
FID_C
ClientSampleId :
WC1DL

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025

195	12.768	12.737	12.781	VV	94177	2418628	29.82%	0.516%
196	12.838	12.781	12.862	VV	146825	5217457	64	
197	12.893	12.862	12.956	VV	124219	5979832	73	
198	12.971	12.956	12.990	VV	99753	1964605	24	
199	13.025	12.990	13.044	VV	101808	3167989	39	
200	13.066	13.044	13.094	VV	104130	2979856	36	
201	13.107	13.094	13.124	VV	98986	1768702	21.80%	0.378%
202	13.148	13.124	13.164	VV	101913	2384276	29.39%	0.509%
203	13.173	13.164	13.201	VV	102716	2195294	27.06%	0.469%
204	13.233	13.201	13.264	VV	117424	4063510	50.09%	0.867%
205	13.284	13.264	13.305	VV	108640	2541275	31.33%	0.542%
206	13.316	13.305	13.343	VV	105236	2350024	28.97%	0.502%
207	13.357	13.343	13.381	VV	102158	2269093	27.97%	0.484%
208	13.416	13.381	13.465	VV	112216	5319953	65.58%	1.136%
209	13.503	13.465	13.554	VV	116759	5713226	70.43%	1.220%
210	13.574	13.554	13.615	VV	108216	3755736	46.30%	0.802%
211	13.649	13.615	13.664	VV	107028	3045678	37.55%	0.650%
212	13.681	13.664	13.699	VV	106403	2133758	26.30%	0.455%
213	13.737	13.699	13.764	VV	108361	4095797	50.49%	0.874%
214	13.827	13.764	13.871	VV	128876	7085625	87.35%	1.512%
215	13.891	13.871	13.924	VV	113155	3411544	42.06%	0.728%
216	13.987	13.924	14.042	VV	109058	7338377	90.47%	1.566%
217	14.083	14.042	14.128	VV	111689	5373702	66.25%	1.147%
218	14.278	14.257	14.310	VV	116033	3496041	43.10%	0.746%
219	14.350	14.341	14.360	VV	99431	1163000	14.34%	0.248%
220	14.391	14.360	14.414	VV	111221	3462260	42.68%	0.739%
221	14.433	14.414	14.498	VV	105552	4989402	61.51%	1.065%
222	14.534	14.498	14.561	VV	107955	3846314	47.42%	0.821%
223	14.590	14.561	14.635	VV	103293	4356639	53.71%	0.930%
224	14.691	14.635	14.711	VV	104331	4423949	54.54%	0.944%
225	14.834	14.791	14.872	VV	102237	4695969	57.89%	1.002%
226	14.942	14.872	14.961	VV	100971	5085463	62.69%	1.086%
227	14.975	14.961	14.993	VV	98101	1854937	22.87%	0.396%
228	15.189	15.169	15.201	VV	93456	1720494	21.21%	0.367%
229	15.257	15.201	15.306	VV	105883	6142427	75.72%	1.311%
230	15.324	15.306	15.373	VV	94693	3585596	44.20%	0.765%
231	15.422	15.373	15.441	VV	94741	3721959	45.88%	0.794%
232	15.459	15.441	15.490	VV	92583	2650054	32.67%	0.566%
233	15.581	15.569	15.641	VV	93500	3890193	47.96%	0.830%
234	15.669	15.641	15.691	VV	92842	2720939	33.54%	0.581%
235	15.712	15.691	15.730	VV	98624	2193013	27.03%	0.468%
236	15.752	15.730	15.794	VV	98870	3582715	44.17%	0.765%
237	15.806	15.794	15.814	VV	88254	1067074	13.15%	0.228%
238	15.838	15.814	15.852	VV	88131	1982420	24.44%	0.423%
239	15.893	15.852	15.931	VV	104830	4470317	55.11%	0.954%
240	15.942	15.931	15.954	VV	92978	1277606	15.75%	0.273%
241	15.962	15.954	15.975	VV	92912	1140975	14.07%	0.244%
242	16.035	15.975	16.116	VV	107785	8111771	100.00%	1.732%
243	16.151	16.116	16.174	VV	93291	3171835	39.10%	0.677%
244	16.184	16.174	16.210	VV	93301	1914309	23.60%	0.409%
245	16.229	16.210	16.243	VV	93801	1795315	22.13%	0.383%
246	16.257	16.243	16.278	VV	90699	1906730	23.51%	0.407%

8

Instrument :
FID_C
ClientSampleId :
WC1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025

A B C D E F G H I J

rteres

247	16.285	16.278	16.294	VV	90485	883708	10.89%	0.189%
248	16.298	16.294	16.332	VV	91100	2038343	25	
249	16.428	16.332	16.464	VV	99141	7435835	91	
250	16.499	16.464	16.508	VV	95390	2405765	29	
251	16.522	16.508	16.574	VV	96079	3669435	45	
252	16.584	16.574	16.594	VV	90994	1065983	13	
253	16.626	16.594	16.639	VV	96681	2511032	30.96%	0.536%
254	16.665	16.639	16.726	VV	108003	5008042	61.74%	1.069%
255	16.828	16.752	16.841	VV	96695	4880387	60.16%	1.042%
256	16.880	16.841	16.918	VV	117483	4684135	57.74%	1.000%
257	16.987	16.918	17.003	VV	93478	4647207	57.29%	0.992%
258	17.045	17.003	17.086	VV	105395	4572839	56.37%	0.976%
259	17.110	17.086	17.148	VV	95074	3288505	40.54%	0.702%
260	17.248	17.238	17.274	VV	89001	1878262	23.15%	0.401%
261	17.288	17.274	17.308	VV	87768	1663554	20.51%	0.355%
262	17.317	17.308	17.352	VV	81691	2161446	26.65%	0.461%
263	17.376	17.352	17.398	VV	88348	2241065	27.63%	0.478%
264	17.425	17.398	17.444	VV	88089	2312542	28.51%	0.494%
265	17.458	17.444	17.483	VV	84869	1950595	24.05%	0.416%
266	17.501	17.483	17.551	VV	88399	3404236	41.97%	0.727%
267	17.567	17.551	17.617	VV	83596	3125214	38.53%	0.667%
268	17.765	17.739	17.800	VV	74539	2633542	32.47%	0.562%
269	17.819	17.800	17.828	VV	76288	1194871	14.73%	0.255%
270	17.840	17.828	17.851	VV	75255	1044576	12.88%	0.223%
271	17.870	17.851	17.891	VV	77067	1764901	21.76%	0.377%
272	17.906	17.891	17.947	VV	74605	2392487	29.49%	0.511%
273	17.974	17.947	18.004	VV	71843	2366545	29.17%	0.505%
274	18.105	18.088	18.141	VV	64114	1944521	23.97%	0.415%
275	18.183	18.141	18.211	VV	63982	2569933	31.68%	0.549%
276	18.247	18.211	18.305	VV	64273	3364134	41.47%	0.718%
277	18.351	18.305	18.362	VV	60311	1961219	24.18%	0.419%
278	18.376	18.362	18.428	VV	61275	2230225	27.49%	0.476%
279	18.453	18.428	18.480	VV	67290	1837560	22.65%	0.392%
280	18.501	18.480	18.547	VV	63388	2283277	28.15%	0.487%
281	18.578	18.547	18.605	VV	55450	1841535	22.70%	0.393%
282	18.631	18.605	18.738	VV	54231	3991277	49.20%	0.852%
283	18.780	18.738	18.834	VV	60743	2958574	36.47%	0.632%
284	18.951	18.904	19.004	VV	51469	2784180	34.32%	0.594%
285	19.021	19.004	19.117	VV	45231	2860423	35.26%	0.611%
286	19.166	19.117	19.222	VV	55834	2887321	35.59%	0.616%
287	19.263	19.222	19.296	VV	44132	1796389	22.15%	0.383%
288	19.317	19.296	19.340	VV	40433	1015600	12.52%	0.217%
289	19.351	19.340	19.421	VV	40783	1903918	23.47%	0.406%
290	19.471	19.451	19.509	VV	38698	1305772	16.10%	0.279%
291	19.564	19.509	19.641	VV	48758	3134284	38.64%	0.669%
292	19.669	19.641	19.717	VV	38815	1655674	20.41%	0.353%
293	19.740	19.717	19.762	VV	36230	938249	11.57%	0.200%
294	19.772	19.762	19.821	VV	35506	1202995	14.83%	0.257%
295	19.842	19.821	19.876	VV	35824	1139084	14.04%	0.243%
296	19.893	19.876	19.921	VV	35623	943331	11.63%	0.201%
297	19.948	19.921	19.985	VV	37358	1348248	16.62%	0.288%
298	20.066	20.031	20.124	VV	36260	1875300	23.12%	0.400%
299	20.140	20.124	20.164	VV	33732	773848	9.54%	0.165%

Instrument :
FID_C
ClientSampleId :
WC1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/07/2025
Supervised By :mohammad ahmed 03/08/2025

rteres

300	20.170	20.164	20.194	VV	31988	567346	6.99%	0.121%
301	20.253	20.194	20.298	VV	33046	1909459	23	
302	20.333	20.298	20.411	VV	32287	2061948	25	
303	20.465	20.411	20.549	VV	31943	2408175	29	
304	20.693	20.648	20.798	VV	24803	2076424	25	
305	20.823	20.798	20.914	VV	22332	1429152	17	
306	20.936	20.914	20.949	VV	19922	400854	4.94%	0.086%
307	20.961	20.949	21.000	VV	19587	557748	6.88%	0.119%
308	21.094	21.051	21.111	VV	17157	594298	7.33%	0.127%
309	21.121	21.111	21.227	VV	16844	1072112	13.22%	0.229%
310	21.239	21.227	21.298	VV	14420	583335	7.19%	0.125%
311	21.321	21.298	21.344	VV	13815	360562	4.44%	0.077%
312	21.354	21.344	21.374	VV	12888	226395	2.79%	0.048%
313	21.378	21.374	21.426	VV	13002	379479	4.68%	0.081%
314	21.451	21.426	21.511	VV	12885	589517	7.27%	0.126%
315	21.525	21.511	21.533	VV	10920	139165	1.72%	0.030%
316	21.546	21.533	21.598	VV	11052	390179	4.81%	0.083%
317	21.609	21.598	21.631	VV	9867	188127	2.32%	0.040%
318	21.646	21.631	21.665	VV	9929	182584	2.25%	0.039%
319	21.690	21.665	21.741	VV	9579	404989	4.99%	0.086%
320	21.748	21.741	21.778	VV	8656	184827	2.28%	0.039%
321	21.793	21.778	21.828	VV	8435	230778	2.84%	0.049%
322	21.838	21.828	21.845	VV	7569	74398	0.92%	0.016%
323	21.853	21.845	21.890	VV	7753	191024	2.35%	0.041%
324	21.916	21.890	22.014	VV	7538	499780	6.16%	0.107%
325	22.035	22.014	22.108	VV	6546	324241	4.00%	0.069%
326	22.125	22.108	22.211	VV	6324	321458	3.96%	0.069%
327	22.227	22.211	22.251	VBA	5285	153392	1.89%	0.033%

Sum of corrected areas: 468477058

Aliphatic EPH 021125.M Wed Mar 05 13:48:15 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD030325AR\
Data File : FD049153.D
Signal(s) : FID2B.ch
Acq On : 03 Mar 2025 10:26
Operator : YP/AJ
Sample : Q1447-01DL 25X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WC1DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/04/2025
Supervised By :Ankita Jodhani 03/05/2025

Integration File: autoint1.e
Quant Time: Mar 04 07:36:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.372	312601	2.184 ug/mlm
Spiked Amount 50.000		Recovery =	4.37%
6) S 2-Flurobiphenyl (SURR)	8.262	190008	2.161 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	4.32%
11) S ortho-Terphenyl (SURR)	11.231	448297	2.771 ug/ml
Spiked Amount 50.000		Recovery =	5.54%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

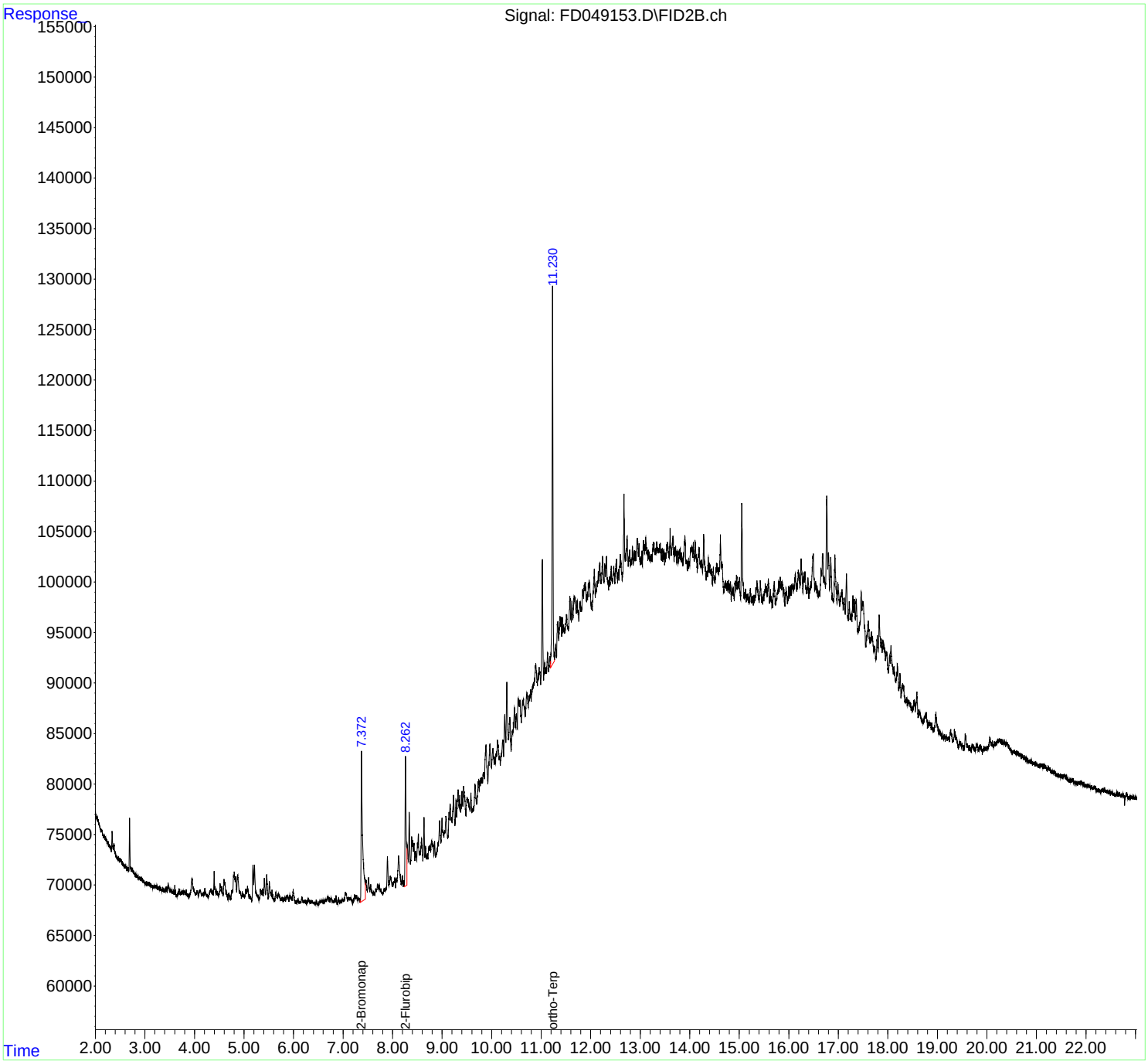
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD030325AR\
Data File : FD049153.D
Signal(s) : FID2B.ch
Acq On : 03 Mar 2025 10:26
Operator : YP/AJ
Sample : Q1447-01DL 25X
Misc :
ALS Vial : 61 Sample Multiplier: 1

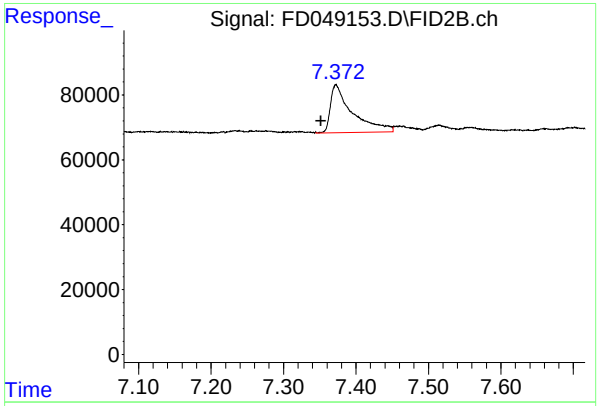
Integration File: autoint1.e
Quant Time: Mar 04 07:36:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_D
ClientSampleId :
WC1DL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/04/2025
Supervised By :Ankita Jodhani 03/05/2025





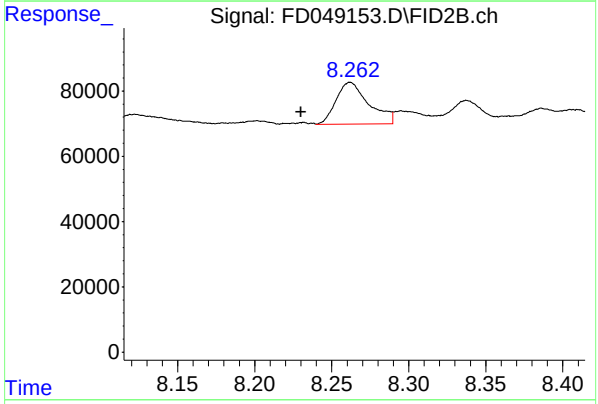
#4 2-Bromonaphthalene (SURR)

R.T.: 7.372 min
Delta R.T.: 0.020 min
Response: 312601
Conc: 2.18 ug/ml

Instrument :
FID_D
ClientSampleId :
WC1DL

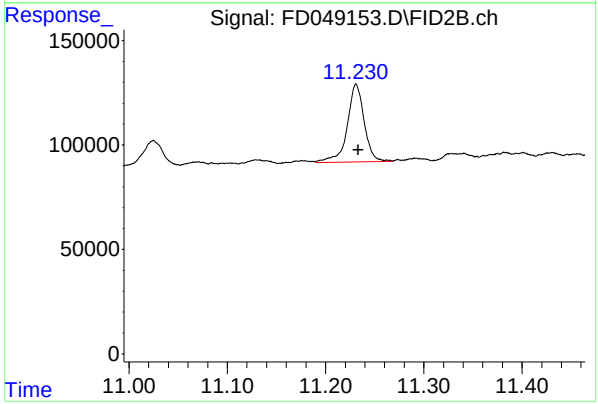
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/04/2025
Supervised By :Ankita Jodhani 03/05/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.262 min
Delta R.T.: 0.032 min
Response: 190008
Conc: 2.16 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.231 min
Delta R.T.: -0.002 min
Response: 448297
Conc: 2.77 ug/ml

Instrument :
FID_D
ClientSampleId :
WC1DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/04/2025
Supervised By :Ankita Jodhani 03/05/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD03032
Data File : FD049153.D
Signal(s) : FID2B.ch
Acq On : 03 Mar 2025 10:26
Sample : Q1447-01DL 25X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.055	4.042	4.076	BV	313	3248	0.26%	0.004%
2	4.111	4.076	4.116	PV	552	7704	0.61%	0.009%
3	4.118	4.116	4.151	VV	534	6361	0.50%	0.007%
4	4.162	4.151	4.173	VV	229	2579	0.20%	0.003%
5	4.182	4.173	4.194	VV	320	2665	0.21%	0.003%
6	4.209	4.194	4.250	VV	778	11605	0.92%	0.013%
7	4.261	4.250	4.271	VV	232	1892	0.15%	0.002%
8	4.333	4.283	4.358	VV	886	23784	1.88%	0.027%
9	4.369	4.358	4.378	VV	749	6891	0.54%	0.008%
10	4.397	4.378	4.410	VV	2613	26275	2.07%	0.029%
11	4.416	4.410	4.435	VV	1083	12248	0.97%	0.014%
12	4.448	4.435	4.482	VV	625	13606	1.07%	0.015%
13	4.487	4.482	4.492	VV	502	2493	0.20%	0.003%
14	4.555	4.542	4.574	VV	1171	15218	1.20%	0.017%
15	4.598	4.574	4.607	VV	1975	23419	1.85%	0.026%
16	4.615	4.607	4.634	VV	1616	20265	1.60%	0.023%
17	4.640	4.634	4.674	VV	891	10114	0.80%	0.011%
18	4.752	4.733	4.759	VV	898	7257	0.57%	0.008%
19	4.767	4.759	4.773	VV	965	7391	0.58%	0.008%
20	4.789	4.773	4.795	VV	2440	24006	1.89%	0.027%
21	4.803	4.795	4.822	VV	2733	38498	3.04%	0.043%
22	4.830	4.822	4.852	VV	2314	30537	2.41%	0.034%
23	4.914	4.905	4.947	VV	993	18824	1.48%	0.021%
24	4.966	4.947	4.982	VV	895	12025	0.95%	0.013%
25	4.986	4.982	4.997	VV	637	4621	0.36%	0.005%
26	5.001	4.997	5.010	VV	505	3827	0.30%	0.004%
27	5.016	5.010	5.019	VV	531	2526	0.20%	0.003%
28	5.034	5.019	5.048	VV	1074	15242	1.20%	0.017%
29	5.069	5.048	5.099	VV	1458	30405	2.40%	0.034%
30	5.109	5.099	5.123	VV	689	6935	0.55%	0.008%
31	5.132	5.123	5.154	VV	548	6402	0.50%	0.007%
32	5.211	5.197	5.299	VV	3678	81625	6.44%	0.091%
33	5.336	5.299	5.362	VV	1251	28234	2.23%	0.032%
34	5.376	5.362	5.389	VV	1215	17148	1.35%	0.019%
35	5.410	5.389	5.435	VV	2385	41137	3.25%	0.046%
36	5.513	5.486	5.572	VV	2131	51985	4.10%	0.058%

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37	5.579	5.572	5.595	VV	829	7009	0.55%	0.008%
38	5.598	5.595	5.611	VV	396	3039		
39	5.641	5.611	5.662	VV	1056	20471		
40	5.668	5.662	5.675	VV	653	4940		
41	5.691	5.675	5.712	VV	951	17361		
42	5.719	5.712	5.746	VV	740	10383		
43	5.769	5.746	5.775	VV	581	7433	0.59%	0.008%
44	5.782	5.775	5.801	VV	519	6193	0.49%	0.007%
45	5.811	5.801	5.816	VV	383	3307	0.26%	0.004%
46	5.828	5.816	5.840	VV	546	5803	0.46%	0.006%
47	5.872	5.863	5.910	VV	764	16159	1.27%	0.018%
48	5.925	5.910	5.930	VV	824	7145	0.56%	0.008%
49	5.934	5.930	5.950	VV	866	7850	0.62%	0.009%
50	5.952	5.950	5.966	VV	652	4972	0.39%	0.006%
51	5.972	5.966	5.976	VV	557	2836	0.22%	0.003%
52	5.993	5.976	6.042	VV	1430	24992	1.97%	0.028%
53	6.061	6.051	6.070	VV	273	2032	0.16%	0.002%
54	6.086	6.070	6.107	VV	441	7039	0.56%	0.008%
55	6.113	6.107	6.130	VV	261	2415	0.19%	0.003%
56	6.136	6.130	6.151	VV	234	2616	0.21%	0.003%
57	6.167	6.151	6.194	VV	685	11136	0.88%	0.012%
58	6.243	6.238	6.264	VV	356	4002	0.32%	0.004%
59	6.298	6.280	6.350	VV	596	14755	1.16%	0.016%
60	6.368	6.350	6.375	VV	436	4467	0.35%	0.005%
61	6.377	6.375	6.407	VV	359	3958	0.31%	0.004%
62	6.423	6.407	6.430	VV	205	2192	0.17%	0.002%
63	6.434	6.430	6.447	VV	247	1709	0.13%	0.002%
64	6.456	6.447	6.472	VV	404	3224	0.25%	0.004%
65	6.475	6.472	6.499	VV	228	1692	0.13%	0.002%
66	6.542	6.499	6.547	PV	402	6280	0.50%	0.007%
67	6.557	6.547	6.564	VV	307	2773	0.22%	0.003%
68	6.570	6.564	6.609	VV	434	9159	0.72%	0.010%
69	6.737	6.731	6.744	VV	369	2724	0.21%	0.003%
70	6.759	6.744	6.818	VV	581	14475	1.14%	0.016%
71	6.832	6.818	6.845	VV	563	5267	0.42%	0.006%
72	6.862	6.845	6.886	VV	766	9184	0.72%	0.010%
73	6.911	6.898	6.945	PV	481	6701	0.53%	0.007%
74	6.982	6.975	6.987	VV	411	2293	0.18%	0.003%
75	6.991	6.987	6.994	VV	341	1201	0.09%	0.001%
76	6.998	6.994	7.015	VV	356	3437	0.27%	0.004%
77	7.022	7.015	7.027	VV	480	2472	0.20%	0.003%
78	7.049	7.027	7.057	VV	1062	13664	1.08%	0.015%
79	7.117	7.091	7.126	VV	521	8176	0.64%	0.009%
80	7.130	7.126	7.143	VV	436	3853	0.30%	0.004%
81	7.149	7.143	7.177	VV	408	5723	0.45%	0.006%
82	7.180	7.177	7.200	VV	278	1508	0.12%	0.002%
83	7.233	7.200	7.250	PV	718	10353	0.82%	0.012%
84	7.262	7.250	7.274	VV	615	6764	0.53%	0.008%
85	7.316	7.311	7.331	VV	315	2815	0.22%	0.003%
86	7.372	7.348	7.450	PV	14740	309678	24.43%	0.346%
87	7.465	7.450	7.493	VV	1854	34896	2.75%	0.039%
88	7.514	7.493	7.542	VV	2028	38999	3.08%	0.044%
89	7.616	7.604	7.630	VV	410	5620	0.44%	0.006%

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90	7.637	7.630	7.643	VV	341	2175	0.17%	0.002%
91	7.661	7.643	7.670	VV	730	8367		
92	7.734	7.723	7.753	VV	928	12670		
93	7.760	7.753	7.799	VV	511	7241		
94	7.833	7.799	7.852	PV	445	7413		
95	7.937	7.925	7.941	VV	1128	8564		
96	7.953	7.941	7.986	VV	1480	31626	2.49%	0.035%
97	7.990	7.986	7.998	VV	756	4815	0.38%	0.005%
98	8.010	7.998	8.019	VV	847	8659	0.68%	0.010%
99	8.043	8.019	8.062	VV	1188	22005	1.74%	0.025%
100	8.081	8.062	8.088	VV	1062	12583	0.99%	0.014%
101	8.122	8.088	8.174	VV	3301	90537	7.14%	0.101%
102	8.201	8.174	8.216	VV	1226	17709	1.40%	0.020%
103	8.231	8.216	8.240	VV	691	5475	0.43%	0.006%
104	8.262	8.240	8.290	VV	12918	193528	15.27%	0.216%
105	8.295	8.290	8.317	VV	4118	54464	4.30%	0.061%
106	8.338	8.317	8.358	VV	7212	109233	8.62%	0.122%
107	8.386	8.358	8.397	VV	4703	78236	6.17%	0.087%
108	8.406	8.397	8.422	VV	4307	58920	4.65%	0.066%
109	8.434	8.422	8.449	VV	4080	57647	4.55%	0.064%
110	8.466	8.449	8.489	VV	3212	65150	5.14%	0.073%
111	8.502	8.489	8.509	VV	3918	39877	3.15%	0.045%
112	8.521	8.509	8.540	VV	4796	72985	5.76%	0.082%
113	8.547	8.540	8.552	VV	2980	20869	1.65%	0.023%
114	8.586	8.552	8.612	VV	4243	118138	9.32%	0.132%
115	8.636	8.612	8.654	VV	6324	95239	7.51%	0.106%
116	8.667	8.654	8.685	VV	3309	51241	4.04%	0.057%
117	8.703	8.685	8.713	VV	2565	39520	3.12%	0.044%
118	8.738	8.713	8.747	VV	3235	57496	4.54%	0.064%
119	8.755	8.747	8.771	VV	3340	46041	3.63%	0.051%
120	8.787	8.771	8.834	VV	3762	120986	9.54%	0.135%
121	8.848	8.834	8.869	VV	3584	58759	4.64%	0.066%
122	8.921	8.869	8.929	VV	3393	95439	7.53%	0.107%
123	8.950	8.929	8.974	VV	5438	117497	9.27%	0.131%
124	8.999	8.974	9.039	VV	5673	166533	13.14%	0.186%
125	9.077	9.039	9.114	VV	5699	206700	16.31%	0.231%
126	9.119	9.114	9.124	VV	3777	20802	1.64%	0.023%
127	9.139	9.124	9.150	VV	5986	81398	6.42%	0.091%
128	9.162	9.150	9.184	VV	6748	120433	9.50%	0.135%
129	9.191	9.184	9.202	VV	5428	58451	4.61%	0.065%
130	9.232	9.202	9.256	VV	7538	199976	15.77%	0.223%
131	9.325	9.294	9.347	VV	7897	215955	17.04%	0.241%
132	9.358	9.347	9.375	VV	7318	109276	8.62%	0.122%
133	9.403	9.375	9.418	VV	7681	174818	13.79%	0.195%
134	9.436	9.418	9.482	VV	8110	260845	20.58%	0.291%
135	9.504	9.482	9.525	VV	6922	165559	13.06%	0.185%
136	9.529	9.525	9.569	VV	6632	157019	12.39%	0.175%
137	9.583	9.569	9.604	VV	7164	132896	10.48%	0.149%
138	9.665	9.641	9.703	VV	7993	250271	19.74%	0.280%
139	9.729	9.703	9.750	VV	8080	204662	16.14%	0.229%
140	9.763	9.750	9.772	VV	8223	106430	8.40%	0.119%
141	9.783	9.772	9.791	VV	8317	92656	7.31%	0.104%

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142	9.806	9.791	9.817	VV	8453	127055	10.02%	0.142%
143	9.832	9.817	9.840	VV	8886	118710	9	
144	9.843	9.840	9.855	VV	8816	77993	6	
145	9.886	9.855	9.925	VV	11473	405179	31	
146	10.028	10.000	10.054	VV	10972	325519	25	
147	10.064	10.054	10.077	VV	9906	137302	10	
148	10.088	10.077	10.100	VV	10319	138075	10.89%	0.154%
149	10.163	10.150	10.176	VV	10026	150460	11.87%	0.168%
150	10.192	10.176	10.197	VV	10188	119711	9.44%	0.134%
151	10.229	10.197	10.243	VV	11507	298661	23.56%	0.334%
152	10.265	10.243	10.286	VV	13901	316277	24.95%	0.353%
153	10.368	10.347	10.397	VV	13522	361688	28.53%	0.404%
154	10.418	10.397	10.425	VV	12123	194050	15.31%	0.217%
155	10.438	10.425	10.443	VV	12845	131689	10.39%	0.147%
156	10.461	10.443	10.480	VV	14301	294294	23.21%	0.329%
157	10.501	10.480	10.519	VV	13631	301929	23.82%	0.337%
158	10.645	10.634	10.680	VV	14903	394541	31.12%	0.441%
159	10.712	10.680	10.739	VV	15418	513245	40.49%	0.574%
160	10.756	10.739	10.762	VV	14889	197573	15.59%	0.221%
161	10.768	10.762	10.773	VV	14954	99580	7.86%	0.111%
162	10.846	10.799	10.851	VV	16211	481327	37.97%	0.538%
163	10.936	10.925	10.943	VV	16955	185033	14.60%	0.207%
164	10.961	10.943	10.969	VV	17451	255245	20.13%	0.285%
165	11.025	10.991	11.052	VV	28145	746937	58.92%	0.835%
166	11.070	11.052	11.081	VV	17778	296108	23.36%	0.331%
167	11.103	11.081	11.112	VV	17192	314888	24.84%	0.352%
168	11.177	11.152	11.190	VV	18110	401381	31.66%	0.449%
169	11.231	11.190	11.268	VV	54663	1267700	100.00%	1.417%
170	11.274	11.268	11.280	VV	18561	128576	10.14%	0.144%
171	11.291	11.280	11.309	VV	19178	318775	25.15%	0.356%
172	11.329	11.309	11.335	VV	21345	322026	25.40%	0.360%
173	11.341	11.335	11.356	VV	21432	256785	20.26%	0.287%
174	11.382	11.356	11.390	VV	21893	428832	33.83%	0.479%
175	11.401	11.390	11.414	VV	21699	297732	23.49%	0.333%
176	11.431	11.414	11.442	VV	21677	356257	28.10%	0.398%
177	11.457	11.442	11.470	VV	21014	349081	27.54%	0.390%
178	11.579	11.552	11.608	VV	23590	729817	57.57%	0.816%
179	11.620	11.608	11.635	VV	22961	364711	28.77%	0.408%
180	11.666	11.635	11.671	VV	23406	482443	38.06%	0.539%
181	11.675	11.671	11.681	VV	23464	133255	10.51%	0.149%
182	11.726	11.709	11.743	VV	22919	451177	35.59%	0.504%
183	11.749	11.743	11.761	VV	21904	232089	18.31%	0.259%
184	11.787	11.761	11.800	VV	22733	510843	40.30%	0.571%
185	11.805	11.800	11.809	VV	22165	123478	9.74%	0.138%
186	11.839	11.809	11.860	VV	23844	705583	55.66%	0.788%
187	11.869	11.860	11.878	VV	24251	254047	20.04%	0.284%
188	11.884	11.878	11.888	VV	24543	145016	11.44%	0.162%
189	11.894	11.888	11.916	VV	24509	394546	31.12%	0.441%
190	11.933	11.916	11.939	VV	23486	315923	24.92%	0.353%
191	11.955	11.939	11.961	VV	24263	324235	25.58%	0.362%
192	11.969	11.961	11.974	VV	24559	188281	14.85%	0.210%
193	11.976	11.974	12.017	VV	24343	584722	46.12%	0.653%
194	12.022	12.017	12.032	VV	22199	197612	15.59%	0.221%

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195	12.073	12.032	12.094	VV	25394	880978	69.49%	0.984%
196	12.104	12.094	12.109	VV	23390	221549	17	
197	12.123	12.109	12.135	VV	24229	366480	28	
198	12.154	12.135	12.164	VV	25071	416260	32	
199	12.187	12.164	12.213	VV	25969	736187	58	
200	12.239	12.213	12.262	VV	26424	737717	58	
201	12.285	12.262	12.299	VV	25702	547465	43.19%	0.612%
202	12.323	12.299	12.362	VV	26342	940367	74.18%	1.051%
203	12.377	12.362	12.395	VV	24276	473014	37.31%	0.529%
204	12.418	12.395	12.441	VV	25171	664817	52.44%	0.743%
205	12.468	12.441	12.487	VV	25097	680465	53.68%	0.760%
206	12.523	12.487	12.545	VV	25765	848653	66.94%	0.948%
207	12.561	12.545	12.575	VV	24691	439164	34.64%	0.491%
208	12.598	12.575	12.606	VV	26113	466438	36.79%	0.521%
209	12.611	12.606	12.635	VV	25526	434540	34.28%	0.486%
210	12.674	12.635	12.696	VV	32018	975872	76.98%	1.091%
211	12.703	12.696	12.708	VV	26061	184437	14.55%	0.206%
212	12.736	12.708	12.758	VV	27722	791961	62.47%	0.885%
213	12.788	12.758	12.802	VV	26287	673930	53.16%	0.753%
214	12.811	12.802	12.817	VV	25335	231615	18.27%	0.259%
215	12.822	12.817	12.828	VV	25394	168767	13.31%	0.189%
216	12.843	12.828	12.859	VV	26527	468669	36.97%	0.524%
217	12.882	12.859	12.890	VV	26013	485465	38.29%	0.542%
218	12.908	12.890	12.919	VV	25982	433120	34.17%	0.484%
219	12.937	12.919	12.961	VV	27240	674277	53.19%	0.753%
220	12.977	12.961	12.992	VV	26626	484418	38.21%	0.541%
221	12.997	12.992	13.003	VV	25106	161154	12.71%	0.180%
222	13.009	13.003	13.019	VV	25229	243466	19.21%	0.272%
223	13.035	13.019	13.047	VV	25808	412443	32.53%	0.461%
224	13.067	13.047	13.075	VV	26676	435313	34.34%	0.486%
225	13.084	13.075	13.092	VV	26435	266715	21.04%	0.298%
226	13.111	13.092	13.134	VV	26998	654495	51.63%	0.731%
227	13.138	13.134	13.153	VV	25991	294960	23.27%	0.330%
228	13.169	13.153	13.174	VV	25714	321627	25.37%	0.359%
229	13.178	13.174	13.205	VV	25399	463570	36.57%	0.518%
230	13.215	13.205	13.230	VV	25008	378291	29.84%	0.423%
231	13.234	13.230	13.246	VV	24950	239536	18.90%	0.268%
232	13.263	13.246	13.279	VV	26203	499668	39.42%	0.558%
233	13.281	13.279	13.307	VV	26153	433551	34.20%	0.484%
234	13.310	13.307	13.315	VV	25417	126765	10.00%	0.142%
235	13.336	13.315	13.366	VV	26098	778961	61.45%	0.870%
236	13.371	13.366	13.377	VV	25542	166992	13.17%	0.187%
237	13.392	13.377	13.402	VV	25925	393265	31.02%	0.439%
238	13.406	13.402	13.422	VV	26072	295012	23.27%	0.330%
239	13.444	13.422	13.458	VV	25407	542996	42.83%	0.607%
240	13.477	13.458	13.493	VV	25346	517038	40.79%	0.578%
241	13.507	13.493	13.512	VV	24799	280467	22.12%	0.313%
242	13.519	13.512	13.525	VV	24859	191410	15.10%	0.214%
243	13.549	13.525	13.584	VV	25813	885434	69.85%	0.989%
244	13.604	13.584	13.629	VV	27088	688863	54.34%	0.770%
245	13.660	13.629	13.684	VV	26272	834680	65.84%	0.933%
246	13.693	13.684	13.699	VV	24933	232096	18.31%	0.259%

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247	13.703	13.699	13.709	VV	24757	135404	10.68%	0.151%
248	13.716	13.709	13.722	VV	25176	198661	15	
249	13.727	13.722	13.736	VV	24761	204317	16	
250	13.746	13.736	13.767	VV	24865	456848	36	
251	13.784	13.767	13.790	VV	24682	324875	25	
252	13.795	13.790	13.800	VV	24796	156045	12	
253	13.808	13.800	13.823	VV	24823	335763	26.49%	0.375%
254	13.831	13.823	13.862	VV	24411	550013	43.39%	0.615%
255	13.902	13.862	13.949	VV	25980	1258770	99.30%	1.407%
256	13.953	13.949	13.957	VV	22929	116216	9.17%	0.130%
257	13.964	13.957	13.974	VV	23245	235181	18.55%	0.263%
258	13.983	13.974	13.999	VV	23519	342759	27.04%	0.383%
259	14.046	13.999	14.057	VV	24720	848489	66.93%	0.948%
260	14.073	14.057	14.089	VV	25124	468235	36.94%	0.523%
261	14.109	14.089	14.152	VV	25165	889932	70.20%	0.994%
262	14.186	14.152	14.212	VV	24438	850090	67.06%	0.950%
263	14.217	14.212	14.236	VV	22927	328571	25.92%	0.367%
264	14.244	14.236	14.257	VV	23093	285543	22.52%	0.319%
265	14.280	14.257	14.332	VV	25475	1030927	81.32%	1.152%
266	14.345	14.332	14.358	VV	21722	330653	26.08%	0.369%
267	14.374	14.358	14.390	VV	23044	429734	33.90%	0.480%
268	14.399	14.390	14.437	VV	22484	611079	48.20%	0.683%
269	14.441	14.437	14.463	VV	21937	328610	25.92%	0.367%
270	14.478	14.463	14.495	VV	21984	413395	32.61%	0.462%
271	14.497	14.495	14.503	VV	21100	99263	7.83%	0.111%
272	14.538	14.503	14.561	VV	22218	745182	58.78%	0.833%
273	14.565	14.561	14.573	VV	21761	151476	11.95%	0.169%
274	14.578	14.573	14.582	VV	21538	119102	9.40%	0.133%
275	14.620	14.582	14.634	VV	24981	700942	55.29%	0.783%
276	14.650	14.634	14.690	VV	22214	709369	55.96%	0.793%
277	14.714	14.690	14.718	VV	20200	327626	25.84%	0.366%
278	14.723	14.718	14.748	VV	20184	352153	27.78%	0.394%
279	14.760	14.748	14.775	VV	20037	325523	25.68%	0.364%
280	14.786	14.775	14.807	VV	20260	368977	29.11%	0.412%
281	14.822	14.807	14.839	VV	19835	374407	29.53%	0.418%
282	14.853	14.839	14.877	VV	19414	426185	33.62%	0.476%
283	14.883	14.877	14.898	VV	19400	241299	19.03%	0.270%
284	14.917	14.898	14.932	VV	19852	390022	30.77%	0.436%
285	14.944	14.932	14.949	VV	20449	202465	15.97%	0.226%
286	14.951	14.949	14.967	VV	20355	209281	16.51%	0.234%
287	14.978	14.967	14.985	VV	19803	209319	16.51%	0.234%
288	15.001	14.985	15.027	VV	20097	484234	38.20%	0.541%
289	15.050	15.027	15.105	VV	27416	977348	77.10%	1.092%
290	15.111	15.105	15.116	VV	18515	113999	8.99%	0.127%
291	15.130	15.116	15.138	VV	18775	251334	19.83%	0.281%
292	15.143	15.138	15.150	VV	18018	125695	9.92%	0.140%
293	15.158	15.150	15.171	VV	18188	226714	17.88%	0.253%
294	15.175	15.171	15.197	VV	18129	273580	21.58%	0.306%
295	15.224	15.197	15.248	VV	18561	555400	43.81%	0.621%
296	15.262	15.248	15.282	VV	17905	356468	28.12%	0.398%
297	15.296	15.282	15.313	VV	17867	327230	25.81%	0.366%
298	15.333	15.313	15.337	VV	18596	262528	20.71%	0.293%
299	15.357	15.337	15.389	VV	19235	568600	44.85%	0.635%

Instrument :
FID_D
ClientSampleId :
WC1DL

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/04/2025
Supervised By :Ankita Jodhani 03/05/2025

300	15.393	15.389	15.401	VV	17719	132542	10.46%	0.148%
301	15.424	15.401	15.447	VV	19137	498503	39	
302	15.452	15.447	15.456	VV	17349	87940	6	
303	15.465	15.456	15.470	VV	17530	150475	11	
304	15.504	15.470	15.510	VV	17881	413633	32	
305	15.526	15.510	15.530	VV	18641	223690	17	
306	15.536	15.530	15.556	VV	18399	282242	22.26%	0.315%
307	15.561	15.556	15.565	VV	18055	96124	7.58%	0.107%
308	15.587	15.565	15.613	VV	19042	521363	41.13%	0.583%
309	15.630	15.613	15.660	VV	17852	477832	37.69%	0.534%
310	15.706	15.660	15.735	VV	18558	773776	61.04%	0.865%
311	15.795	15.735	15.809	VV	18395	771218	60.84%	0.862%
312	15.825	15.809	15.832	VV	18815	256533	20.24%	0.287%
313	15.846	15.832	15.855	VV	18212	251883	19.87%	0.281%
314	15.859	15.855	15.864	VV	18440	100964	7.96%	0.113%
315	15.870	15.864	15.919	VV	18256	565976	44.65%	0.632%
316	15.945	15.919	15.977	VV	17574	589833	46.53%	0.659%
317	16.001	15.977	16.020	VV	17619	441187	34.80%	0.493%
318	16.031	16.020	16.045	VV	17730	257760	20.33%	0.288%
319	16.066	16.045	16.093	VV	17901	496978	39.20%	0.555%
320	16.102	16.093	16.108	VV	17723	155654	12.28%	0.174%
321	16.130	16.108	16.147	VV	18694	424643	33.50%	0.475%
322	16.152	16.147	16.160	VV	17823	138906	10.96%	0.155%
323	16.168	16.160	16.172	VV	17677	127209	10.03%	0.142%
324	16.193	16.172	16.231	VV	18836	639810	50.47%	0.715%
325	16.250	16.231	16.285	VV	19975	606006	47.80%	0.677%
326	16.302	16.285	16.314	VV	18612	311530	24.57%	0.348%
327	16.324	16.314	16.354	VV	18657	423793	33.43%	0.474%
328	16.360	16.354	16.368	VV	17021	142376	11.23%	0.159%
329	16.387	16.368	16.406	VV	17911	389536	30.73%	0.435%
330	16.413	16.406	16.420	VV	16607	136234	10.75%	0.152%
331	16.443	16.420	16.456	VV	17521	365199	28.81%	0.408%
332	16.492	16.456	16.523	VV	20223	747887	59.00%	0.836%
333	16.541	16.523	16.547	VV	17333	242648	19.14%	0.271%
334	16.552	16.547	16.564	VV	17038	170466	13.45%	0.190%
335	16.572	16.564	16.580	VV	16900	160075	12.63%	0.179%
336	16.583	16.580	16.599	VV	16350	178340	14.07%	0.199%
337	16.607	16.599	16.612	VV	16142	127018	10.02%	0.142%
338	16.648	16.612	16.667	VV	18479	564790	44.55%	0.631%
339	16.684	16.667	16.703	VV	19867	408617	32.23%	0.457%
340	16.711	16.703	16.740	VV	17648	386005	30.45%	0.431%
341	16.767	16.740	16.786	VV	25517	583747	46.05%	0.652%
342	16.801	16.786	16.823	VV	19841	403027	31.79%	0.450%
343	16.846	16.823	16.874	VV	19077	532378	42.00%	0.595%
344	16.879	16.874	16.884	VV	15435	94223	7.43%	0.105%
345	16.889	16.884	16.909	VV	15106	218611	17.24%	0.244%
346	16.930	16.909	16.973	VV	19354	648185	51.13%	0.724%
347	16.991	16.973	17.027	VV	16549	498029	39.29%	0.557%
348	17.059	17.027	17.065	VV	15411	343045	27.06%	0.383%
349	17.075	17.065	17.097	VV	15691	283313	22.35%	0.317%
350	17.118	17.097	17.137	VV	14780	338955	26.74%	0.379%
351	17.163	17.137	17.204	VV	17245	578532	45.64%	0.646%

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Instrument :
FID_D
ClientSampleId :
WC1DL

rteres

352	17.219	17.204	17.251	VV	14274	377554	29.78%	0.422%
353	17.257	17.251	17.260	VV	12979	71074	5	
354	17.264	17.260	17.273	VV	13009	95588	7	
355	17.294	17.273	17.311	VV	14693	310346	24	

Sum of corrected areas: 894

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/04/2025
Supervised By :Ankita Jodhani 03/05/2025

Aromatic EPH 021125.M Tue Mar 04 02:30:34 2025

A B C D E F G H I J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030425AL\
Data File : FC068363.D
Signal(s) : FID1A.ch
Acq On : 05 Mar 2025 08:13
Operator : YP/AJ
Sample : Q1447-01DL2 100X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC1DL2

Integration File: autoint1.e
Quant Time: Mar 05 13:31:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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

Target Compounds

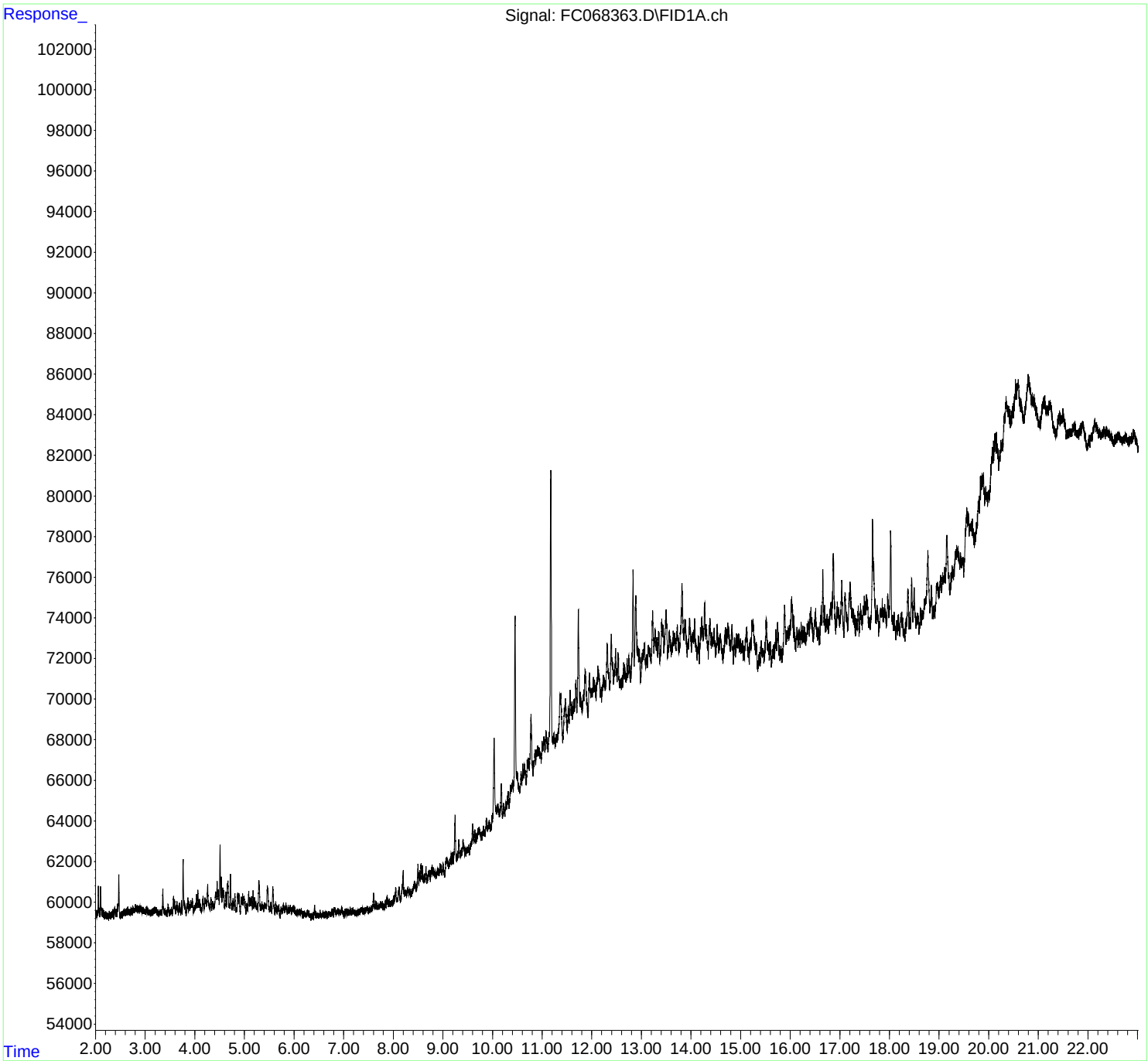
(f)=RT Delta > 1/2 Window (m)=manual int.

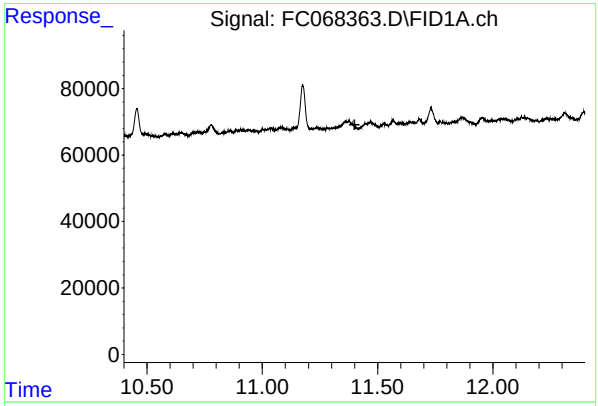
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030425AL\
Data File : FC068363.D
Signal(s) : FID1A.ch
Acq On : 05 Mar 2025 08:13
Operator : YP/AJ
Sample : Q1447-01DL2 100X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WC1DL2

Integration File: autoint1.e
Quant Time: Mar 05 13:31:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

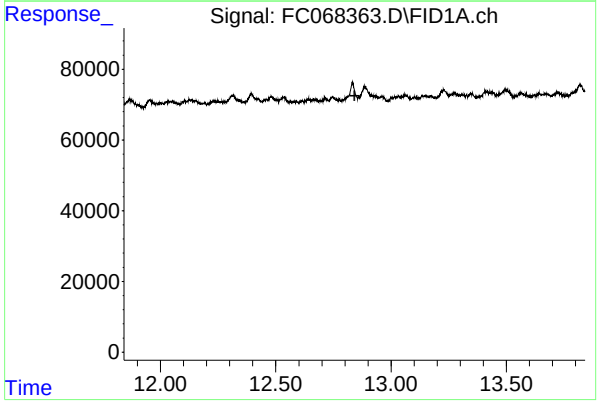




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.400 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WC1DL2



#12 1-chlorooctadecane (SURR)

R.T.: 0.000 min
Exp R.T. : 12.842 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC030425AL\
Data File : FC068363.D
Signal(s) : FID1A.ch
Acq On : 05 Mar 2025 08:13
Sample : Q1447-01DL2 100X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	2.344	2.305	2.365	BV	155	2730	0.32%	0.005%
2	2.387	2.365	2.416	VV	411	5373	0.63%	0.011%
3	2.577	2.551	2.594	VV	216	3862	0.45%	0.008%
4	2.606	2.594	2.615	VV	183	1951	0.23%	0.004%
5	2.629	2.615	2.640	VV	236	3240	0.38%	0.006%
6	2.651	2.640	2.701	VV	284	7581	0.89%	0.015%
7	2.717	2.701	2.741	VV	277	5399	0.64%	0.011%
8	2.753	2.741	2.781	VV	289	6654	0.78%	0.013%
9	2.805	2.781	2.835	VV	437	11378	1.34%	0.022%
10	2.844	2.835	2.856	VV	381	4159	0.49%	0.008%
11	2.866	2.856	2.903	VV	356	9161	1.08%	0.018%
12	2.915	2.903	2.944	VV	413	7481	0.88%	0.015%
13	2.959	2.944	3.005	VV	313	9035	1.06%	0.018%
14	3.023	3.005	3.088	VV	305	11787	1.39%	0.023%
15	3.097	3.088	3.108	VV	207	2027	0.24%	0.004%
16	3.193	3.108	3.211	VV	333	12809	1.51%	0.025%
17	3.219	3.211	3.276	VV	381	7865	0.93%	0.016%
18	3.322	3.276	3.340	VV	213	6501	0.77%	0.013%
19	3.357	3.340	3.387	VV	1219	14064	1.66%	0.028%
20	3.435	3.422	3.448	VV	205	2114	0.25%	0.004%
21	3.462	3.448	3.497	VV	494	7637	0.90%	0.015%
22	3.529	3.497	3.548	VV	320	6348	0.75%	0.013%
23	3.570	3.548	3.583	VV	881	10529	1.24%	0.021%
24	3.595	3.583	3.613	VV	759	8814	1.04%	0.017%
25	3.640	3.613	3.669	VV	658	12636	1.49%	0.025%
26	3.692	3.669	3.716	VV	546	9680	1.14%	0.019%
27	3.731	3.716	3.746	VV	699	7150	0.84%	0.014%
28	3.861	3.825	3.875	VV	777	12347	1.45%	0.024%
29	3.888	3.875	3.905	VV	574	7877	0.93%	0.016%
30	3.921	3.905	3.938	VV	675	10637	1.25%	0.021%
31	3.953	3.938	3.975	VV	780	10772	1.27%	0.021%
32	4.036	3.975	4.048	VV	1018	21972	2.59%	0.043%
33	4.063	4.048	4.084	VV	1206	16846	1.98%	0.033%
34	4.096	4.084	4.135	VV	748	14632	1.72%	0.029%
35	4.168	4.135	4.188	VV	953	17424	2.05%	0.034%
36	4.208	4.188	4.231	VV	838	16512	1.94%	0.033%

rteres

37	4.258	4.231	4.306	VV	1471	33962	4.00%	0.067%
38	4.323	4.306	4.341	VV	807	12290	1.45%	0.024%
39	4.358	4.341	4.391	VV	713	15217	1.79%	0.030%
40	4.420	4.391	4.438	VV	1111	23463	2.76%	0.046%
41	4.451	4.438	4.466	VV	1552	20727	2.44%	0.041%
42	4.478	4.466	4.495	VV	1109	16872	1.99%	0.033%
43	4.563	4.549	4.575	VV	1270	16936	1.99%	0.033%
44	4.582	4.575	4.601	VV	1172	13186	1.55%	0.026%
45	4.627	4.601	4.641	VV	1104	18179	2.14%	0.036%
46	4.808	4.790	4.833	VV	996	15495	1.82%	0.031%
47	4.866	4.833	4.882	VV	1082	19607	2.31%	0.039%
48	4.892	4.882	4.918	VV	1008	12912	1.52%	0.025%
49	4.936	4.918	4.951	VV	812	12853	1.51%	0.025%
50	4.964	4.951	4.976	VV	994	11680	1.37%	0.023%
51	4.992	4.976	5.031	VV	833	19650	2.31%	0.039%
52	5.047	5.031	5.067	VV	470	8084	0.95%	0.016%
53	5.087	5.067	5.099	VV	1124	14498	1.71%	0.029%
54	5.108	5.099	5.125	VV	838	11393	1.34%	0.022%
55	5.144	5.125	5.158	VV	894	13769	1.62%	0.027%
56	5.174	5.158	5.189	VV	1150	14113	1.66%	0.028%
57	5.204	5.189	5.251	VV	781	21300	2.51%	0.042%
58	5.261	5.251	5.271	VV	503	5265	0.62%	0.010%
59	5.407	5.390	5.422	VV	604	9323	1.10%	0.018%
60	5.432	5.422	5.445	VV	505	6392	0.75%	0.013%
61	5.632	5.615	5.665	VV	626	10430	1.23%	0.021%
62	5.675	5.665	5.688	VV	415	4925	0.58%	0.010%
63	5.694	5.688	5.713	VV	541	4097	0.48%	0.008%
64	5.741	5.713	5.755	PV	396	5054	0.59%	0.010%
65	5.758	5.755	5.764	VV	251	1272	0.15%	0.003%
66	5.787	5.764	5.818	VV	567	10900	1.28%	0.021%
67	5.837	5.818	5.861	VV	578	10316	1.21%	0.020%
68	5.881	5.861	5.902	VV	382	6985	0.82%	0.014%
69	5.925	5.902	5.948	VV	457	8477	1.00%	0.017%
70	5.991	5.948	6.053	VV	356	16083	1.89%	0.032%
71	6.066	6.053	6.085	VV	248	3370	0.40%	0.007%
72	6.108	6.085	6.131	VV	231	5148	0.61%	0.010%
73	6.146	6.131	6.171	VV	282	4246	0.50%	0.008%
74	6.199	6.171	6.245	VV	152	3926	0.46%	0.008%
75	6.269	6.245	6.335	PV	236	4563	0.54%	0.009%
76	6.385	6.335	6.398	PV	92	384	0.05%	0.001%
77	6.414	6.398	6.441	PV	499	4824	0.57%	0.010%
78	6.447	6.441	6.462	VV	114	518	0.06%	0.001%
79	6.480	6.462	6.511	PV	76	713	0.08%	0.001%
80	6.524	6.511	6.551	PV	115	811	0.10%	0.002%
81	6.585	6.551	6.638	PV	129	3615	0.43%	0.007%
82	6.651	6.638	6.690	VV	92	2194	0.26%	0.004%
83	6.708	6.690	6.736	VV	160	2497	0.29%	0.005%
84	6.785	6.736	6.795	VV	252	5796	0.68%	0.011%
85	6.818	6.795	6.850	VV	341	7311	0.86%	0.014%
86	6.864	6.850	6.873	VV	219	2667	0.31%	0.005%
87	6.887	6.873	6.898	VV	284	3209	0.38%	0.006%
88	6.909	6.898	6.937	VV	276	4419	0.52%	0.009%
89	6.963	6.937	6.995	VV	445	8163	0.96%	0.016%

rteres

90	7.004	6.995	7.012	VV	110	1026	0.12%	0.002%
91	7.043	7.012	7.061	VV	225	4796	0.56%	0.009%
92	7.075	7.061	7.084	VV	198	2583	0.30%	0.005%
93	7.095	7.084	7.104	VV	214	2297	0.27%	0.005%
94	7.130	7.104	7.165	VV	359	7642	0.90%	0.015%
95	7.185	7.165	7.281	VV	289	12463	1.47%	0.025%
96	7.289	7.281	7.295	VV	166	1373	0.16%	0.003%
97	7.311	7.295	7.330	VV	226	4099	0.48%	0.008%
98	7.352	7.330	7.362	VV	354	5451	0.64%	0.011%
99	7.369	7.362	7.391	VV	335	4448	0.52%	0.009%
100	7.398	7.391	7.418	VV	268	3831	0.45%	0.008%
101	7.469	7.418	7.496	VV	382	14051	1.65%	0.028%
102	7.515	7.496	7.535	VV	306	6424	0.76%	0.013%
103	7.553	7.535	7.571	VV	391	7715	0.91%	0.015%
104	7.604	7.571	7.631	VV	1106	21648	2.55%	0.043%
105	7.654	7.631	7.668	VV	630	11705	1.38%	0.023%
106	7.678	7.668	7.697	VV	550	8097	0.95%	0.016%
107	7.707	7.697	7.720	VV	478	5999	0.71%	0.012%
108	7.744	7.720	7.798	VV	615	25028	2.95%	0.049%
109	7.809	7.798	7.827	VV	468	7855	0.92%	0.015%
110	7.843	7.827	7.856	VV	733	10097	1.19%	0.020%
111	7.877	7.856	7.905	VV	940	20112	2.37%	0.040%
112	7.923	7.905	7.955	VV	745	18416	2.17%	0.036%
113	8.050	7.955	8.075	VV	1192	59846	7.04%	0.118%
114	8.199	8.151	8.223	VV	2136	59279	6.98%	0.117%
115	8.245	8.223	8.253	VV	1193	20781	2.45%	0.041%
116	8.257	8.253	8.275	VV	1187	14471	1.70%	0.029%
117	8.326	8.311	8.348	VV	1255	25536	3.01%	0.050%
118	8.425	8.348	8.455	VV	1583	84362	9.93%	0.166%
119	8.533	8.515	8.543	VV	2205	32457	3.82%	0.064%
120	8.560	8.543	8.575	VV	2576	40269	4.74%	0.079%
121	8.588	8.575	8.614	VV	2381	47796	5.63%	0.094%
122	8.633	8.614	8.644	VV	2026	33677	3.96%	0.066%
123	8.661	8.644	8.688	VV	2325	51580	6.07%	0.102%
124	8.807	8.798	8.832	VV	2238	44734	5.27%	0.088%
125	8.944	8.923	8.978	VV	2466	75567	8.89%	0.149%
126	9.004	8.978	9.033	VV	2507	74439	8.76%	0.147%
127	9.072	9.033	9.081	VV	2798	71452	8.41%	0.141%
128	9.090	9.081	9.118	VV	2748	57400	6.76%	0.113%
129	9.167	9.118	9.179	VV	2916	99147	11.67%	0.196%
130	9.195	9.179	9.209	VV	3069	51264	6.03%	0.101%
131	9.246	9.209	9.279	VV	4932	144006	16.95%	0.284%
132	9.454	9.441	9.469	VV	3260	52200	6.14%	0.103%
133	9.498	9.469	9.509	VV	3301	78113	9.19%	0.154%
134	9.601	9.537	9.626	VV	4447	199785	23.52%	0.394%
135	9.646	9.626	9.671	VV	4107	104013	12.24%	0.205%
136	9.679	9.671	9.686	VV	3943	33740	3.97%	0.067%
137	9.817	9.784	9.845	VV	4348	147167	17.32%	0.290%
138	9.853	9.845	9.857	VV	4130	30703	3.61%	0.061%
139	9.879	9.857	9.904	VV	4666	126160	14.85%	0.249%
140	9.938	9.904	9.971	VV	4577	177220	20.86%	0.350%
141	10.035	9.971	10.083	VH	8696	385354	45.36%	0.760%

rteres

142	10.093	10.083	10.097	HH	5369	43637	5.14%	0.086%
143	10.108	10.097	10.138	HH	5482	128710	15.15%	0.254%
144	10.177	10.138	10.201	HH	6367	207382	24.41%	0.409%
145	10.223	10.201	10.251	HH	5461	156026	18.36%	0.308%
146	10.274	10.251	10.287	HH	5533	114505	13.48%	0.226%
147	10.313	10.287	10.338	HH	6016	172959	20.36%	0.341%
148	10.404	10.338	10.418	HH	6623	296150	34.86%	0.584%
149	10.456	10.418	10.485	HH	14669	372030	43.79%	0.734%
150	10.495	10.485	10.549	HH	7087	254691	29.98%	0.502%
151	10.577	10.549	10.592	HH	7007	170184	20.03%	0.336%
152	10.612	10.592	10.628	HH	7302	150150	17.67%	0.296%
153	10.650	10.628	10.680	HH	7402	218290	25.69%	0.431%
154	10.728	10.680	10.739	HH	7643	262750	30.93%	0.518%
155	10.860	10.818	10.873	HH	8045	250772	29.52%	0.495%
156	10.910	10.873	10.926	HH	8327	255354	30.06%	0.504%
157	11.002	10.985	11.017	HH	8432	157907	18.59%	0.311%
158	11.037	11.017	11.055	HH	8697	192354	22.64%	0.379%
159	11.079	11.055	11.117	HH	9063	324453	38.19%	0.640%
160	11.240	11.223	11.262	HH	8947	206127	24.26%	0.407%
161	11.375	11.298	11.415	HH	10873	679894	80.03%	1.341%
162	11.527	11.506	11.545	HH	10172	223849	26.35%	0.442%
163	11.567	11.545	11.585	HH	10973	246122	28.97%	0.485%
164	11.600	11.585	11.611	HH	10397	162569	19.14%	0.321%
165	11.648	11.611	11.668	HH	10529	351130	41.33%	0.693%
166	11.732	11.700	11.761	HH	15017	441836	52.01%	0.872%
167	11.771	11.761	11.802	HH	10945	255603	30.09%	0.504%
168	12.039	12.013	12.087	HH	11577	495012	58.27%	0.976%
169	12.185	12.174	12.201	HH	11072	179512	21.13%	0.354%
170	12.233	12.201	12.277	HH	11747	521315	61.36%	1.028%
171	12.481	12.438	12.515	HH	13003	558480	65.74%	1.102%
172	12.535	12.515	12.581	HH	12683	477077	56.15%	0.941%
173	12.615	12.581	12.623	HH	11765	289730	34.10%	0.571%
174	12.666	12.654	12.694	HH	12228	282191	33.22%	0.557%
175	12.714	12.694	12.729	HH	12560	256853	30.23%	0.507%
176	12.833	12.785	12.855	HH	16927	575199	67.70%	1.135%
177	12.886	12.855	12.951	HH	15630	788474	92.81%	1.555%
178	12.960	12.951	12.984	HH	13036	242989	28.60%	0.479%
179	13.062	12.984	13.087	HV	13132	786368	92.56%	1.551%
180	13.136	13.116	13.161	VV	13019	345564	40.67%	0.682%
181	13.174	13.161	13.197	VV	12873	268342	31.59%	0.529%
182	13.307	13.298	13.322	VV	13178	191057	22.49%	0.377%
183	13.346	13.322	13.370	VV	13397	368942	43.43%	0.728%
184	13.440	13.426	13.455	VV	13507	232140	27.32%	0.458%
185	13.496	13.455	13.531	VV	14282	612614	72.11%	1.208%
186	13.566	13.531	13.611	VV	13168	605855	71.31%	1.195%
187	13.643	13.611	13.651	VV	13075	303431	35.72%	0.599%
188	13.670	13.651	13.698	VV	12934	354362	41.71%	0.699%
189	13.724	13.698	13.755	VV	13349	433728	51.05%	0.856%
190	13.820	13.755	13.861	VV	15140	849586	100.00%	1.676%
191	13.873	13.861	13.922	VV	13325	470519	55.38%	0.928%
192	13.973	13.922	14.011	VV	13289	666880	78.49%	1.315%
193	14.032	14.011	14.052	VV	12622	309014	36.37%	0.610%
194	14.074	14.052	14.123	VV	13238	520569	61.27%	1.027%

rteres

195	14.147	14.123	14.169	VV	12242	323719	38.10%	0.639%
196	14.192	14.169	14.200	VV	12579	222854	26.23%	0.440%
197	14.219	14.200	14.253	VV	13081	403200	47.46%	0.795%
198	14.277	14.253	14.301	VV	13740	370593	43.62%	0.731%
199	14.309	14.301	14.348	VV	12570	336877	39.65%	0.664%
200	14.382	14.348	14.407	VV	12712	434506	51.14%	0.857%
201	14.419	14.407	14.445	VV	12073	265180	31.21%	0.523%
202	14.466	14.445	14.491	VV	12204	328141	38.62%	0.647%
203	14.528	14.491	14.571	VV	12413	556116	65.46%	1.097%
204	14.594	14.571	14.645	VV	11844	507582	59.74%	1.001%
205	14.700	14.645	14.723	VV	12015	537999	63.32%	1.061%
206	14.741	14.723	14.791	VV	12187	472227	55.58%	0.931%
207	14.825	14.791	14.864	VV	12083	491440	57.84%	0.969%
208	14.880	14.864	14.897	VV	11342	217975	25.66%	0.430%
209	14.930	14.897	14.945	VV	11311	320364	37.71%	0.632%
210	14.952	14.945	15.032	VV	11413	575821	67.78%	1.136%
211	15.039	15.032	15.081	VV	11018	313230	36.87%	0.618%
212	15.126	15.081	15.173	VV	11515	597524	70.33%	1.179%
213	15.228	15.173	15.243	VV	11725	459306	54.06%	0.906%
214	15.252	15.243	15.302	VV	11906	388151	45.69%	0.766%
215	15.314	15.302	15.346	VV	10556	269024	31.67%	0.531%
216	15.379	15.346	15.385	VV	9920	224720	26.45%	0.443%
217	15.519	15.468	15.558	VV	11511	565498	66.56%	1.115%
218	15.710	15.686	15.732	VV	10634	287255	33.81%	0.567%
219	15.747	15.732	15.805	VV	10813	434825	51.18%	0.858%
220	15.953	15.932	15.970	VV	10443	235905	27.77%	0.465%
221	16.291	16.286	16.315	VV	10138	167807	19.75%	0.331%
222	16.622	16.594	16.634	VV	10627	244132	28.74%	0.482%
223	16.658	16.634	16.681	VV	12481	307835	36.23%	0.607%
224	16.693	16.681	16.711	VV	10684	187576	22.08%	0.370%
225	16.869	16.841	16.918	VV	12962	514479	60.56%	1.015%
226	16.950	16.918	16.963	VV	10594	274327	32.29%	0.541%
227	16.971	16.963	16.998	VV	10344	206047	24.25%	0.406%
228	17.038	16.998	17.080	VV	11630	500449	58.91%	0.987%
229	17.106	17.080	17.163	VV	10852	494768	58.24%	0.976%
230	17.208	17.163	17.261	VV	11123	604652	71.17%	1.193%
231	17.270	17.261	17.292	VV	9804	176834	20.81%	0.349%
232	17.300	17.292	17.316	VV	9597	133519	15.72%	0.263%
233	17.329	17.316	17.355	VV	9313	210137	24.73%	0.414%
234	17.468	17.450	17.481	VV	9781	178441	21.00%	0.352%
235	17.495	17.481	17.526	VV	10066	265427	31.24%	0.524%
236	17.541	17.526	17.615	VV	10251	498514	58.68%	0.983%
237	17.659	17.615	17.734	VV	13860	751984	88.51%	1.483%
238	17.751	17.734	17.785	VV	9435	276804	32.58%	0.546%
239	17.822	17.785	17.832	VV	9251	250988	29.54%	0.495%
240	17.839	17.832	17.844	VV	9216	67604	7.96%	0.133%
241	17.855	17.844	17.881	VV	9614	203392	23.94%	0.401%
242	17.905	17.881	17.946	VV	9303	348043	40.97%	0.686%
243	17.968	17.946	17.988	VV	9900	231657	27.27%	0.457%
244	18.023	17.988	18.054	VV	12774	400773	47.17%	0.791%
245	18.063	18.054	18.075	VV	8716	103948	12.24%	0.205%
246	18.095	18.075	18.131	VV	8669	276275	32.52%	0.545%

rteres

247	18.177	18.131	18.205	VV	8523	357202	42.04%	0.705%
248	18.247	18.205	18.259	VV	8567	266533	31.37%	0.526%
249	18.265	18.259	18.310	VV	8267	240223	28.28%	0.474%
250	18.372	18.310	18.421	VV	9616	551652	64.93%	1.088%
251	18.448	18.421	18.469	VV	9974	259063	30.49%	0.511%
252	18.498	18.469	18.534	VV	9489	331890	39.06%	0.655%
253	18.561	18.534	18.595	VV	8215	286325	33.70%	0.565%
254	18.627	18.595	18.642	VV	8361	223533	26.31%	0.441%
255	18.673	18.642	18.685	VV	8180	204501	24.07%	0.403%
256	18.774	18.685	18.825	VV	10992	760017	89.46%	1.499%
257	18.844	18.825	18.918	VV	9158	457280	53.82%	0.902%
258	19.111	19.098	19.122	VV	9685	132654	15.61%	0.262%
259	19.158	19.122	19.225	VV	11349	602986	70.97%	1.189%
260	19.560	19.498	19.588	VV	12103	600253	70.65%	1.184%
261	19.896	19.885	19.925	VV	13639	307226	36.16%	0.606%
262	20.221	20.203	20.230	VV	14228	226951	26.71%	0.448%
263	20.404	20.391	20.418	VV	16147	255516	30.08%	0.504%
264	20.869	20.861	20.904	VV	16106	408064	48.03%	0.805%
265	21.032	21.021	21.041	VV	14872	177712	20.92%	0.351%
266	21.366	21.353	21.373	VV	13893	168661	19.85%	0.333%
267	21.445	21.438	21.480	VV	14577	358454	42.19%	0.707%
268	21.609	21.601	21.617	VV	13577	126488	14.89%	0.249%
269	21.630	21.617	21.665	VV	13645	387124	45.57%	0.764%
270	21.843	21.838	21.868	VV	13464	240496	28.31%	0.474%
271	21.895	21.868	21.941	VV	13634	583183	68.64%	1.150%
272	21.950	21.941	21.991	VV	13017	383360	45.12%	0.756%
273	22.070	21.991	22.087	VV	12823	727980	85.69%	1.436%
274	22.139	22.087	22.158	VV	13432	556526	65.51%	1.098%
275	22.172	22.158	22.215	VV	13230	443794	52.24%	0.875%
276	22.238	22.215	22.251	VBA	12902	304271	35.81%	0.600%

Sum of corrected areas: 50698341

Aliphatic EPH 021125.M Wed Mar 05 14:11:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068322.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:00
Operator : YP/AJ
Sample : PB166923BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BL

Integration File: autoint1.e
Quant Time: Mar 05 05:22:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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			
12) S 1-chlorooctadecane (S...	12.840	4680251	41.612 ug/ml
Spiked Amount 50.000		Recovery = 83.22%	
Target Compounds			

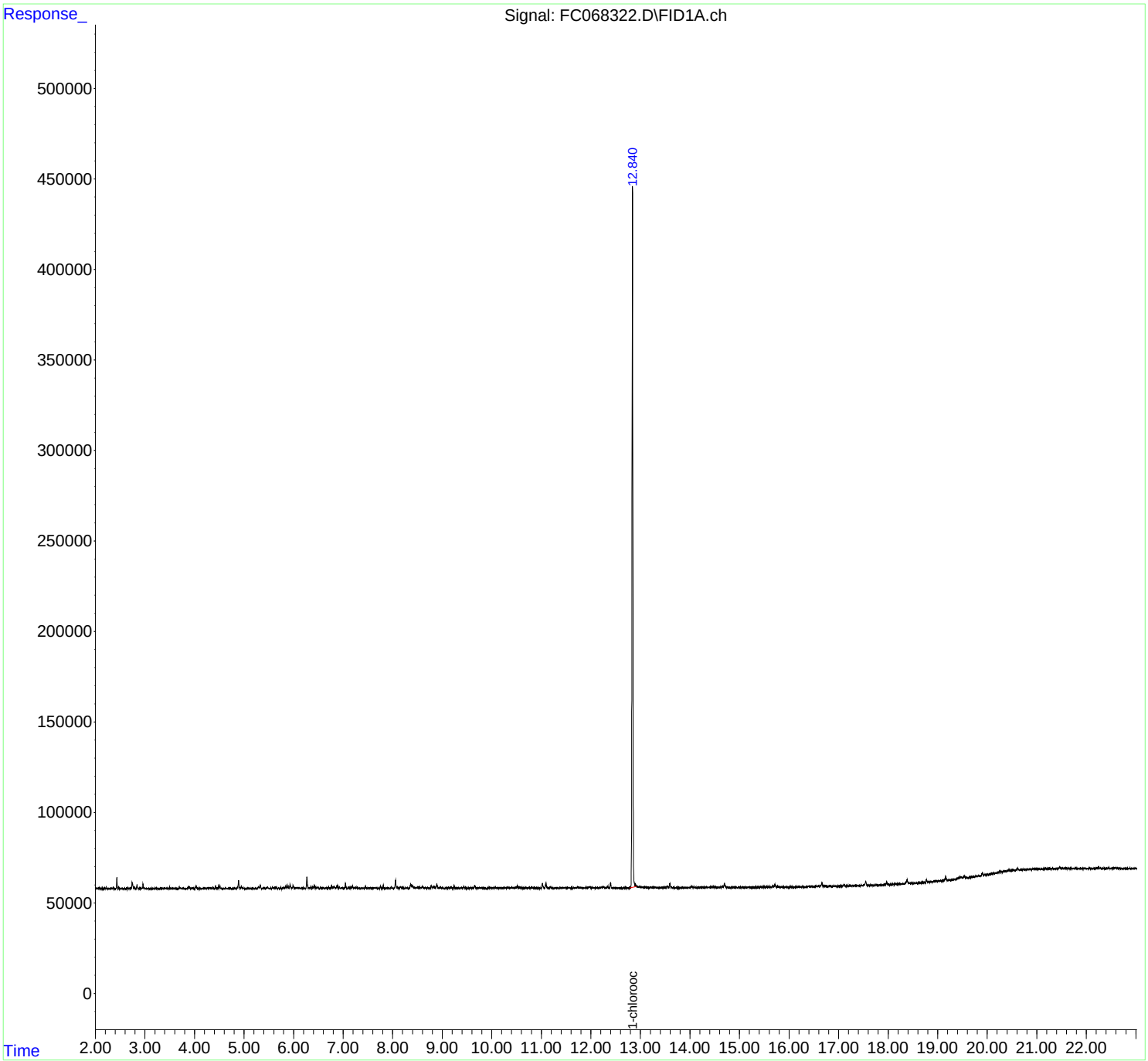
(f)=RT Delta > 1/2 Window (m)=manual int.

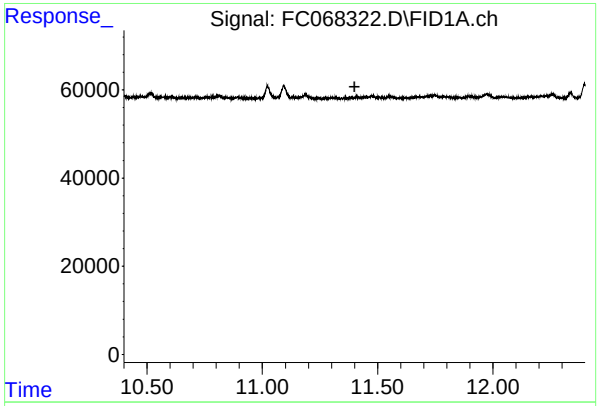
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068322.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:00
Operator : YP/AJ
Sample : PB166923BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BL

Integration File: autoint1.e
Quant Time: Mar 05 05:22:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 2025
Response via : Initial Calibration
Integrator: ChemStation

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

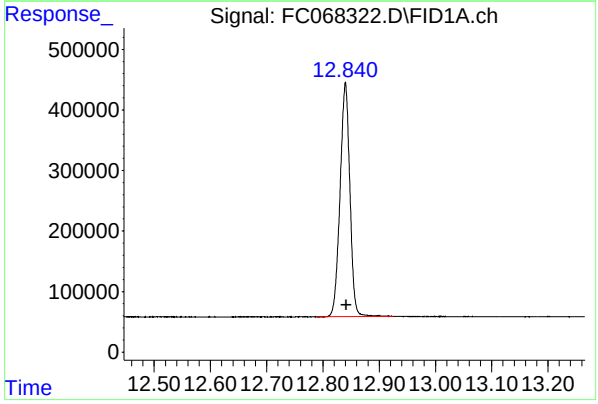




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.400 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB166923BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.840 min
Delta R.T.: -0.002 min
Response: 4680251
Conc: 41.61 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068322.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:00
Sample : PB166923BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	12.840	12.788	12.925	BB	386372	4680251	100.00%	100.000%
			Sum of corrected areas:			4680251		

Aliphatic EPH 021125.M Sat Mar 01 01:22:54 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049130.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 11:00
Operator : YP/AJ
Sample : PB166923BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166923BL

Integration File: autoint1.e
Quant Time: Mar 01 02:16:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.352	8010402	55.974 ug/ml
Spiked Amount 50.000		Recovery = 111.95%	
6) S 2-Flurobiphenyl (SURR)	8.201	5081253	57.799 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 115.60%	
11) S ortho-Terphenyl (SURR)	11.236	8041222	49.706 ug/ml
Spiked Amount 50.000		Recovery = 99.41%	
Target Compounds			

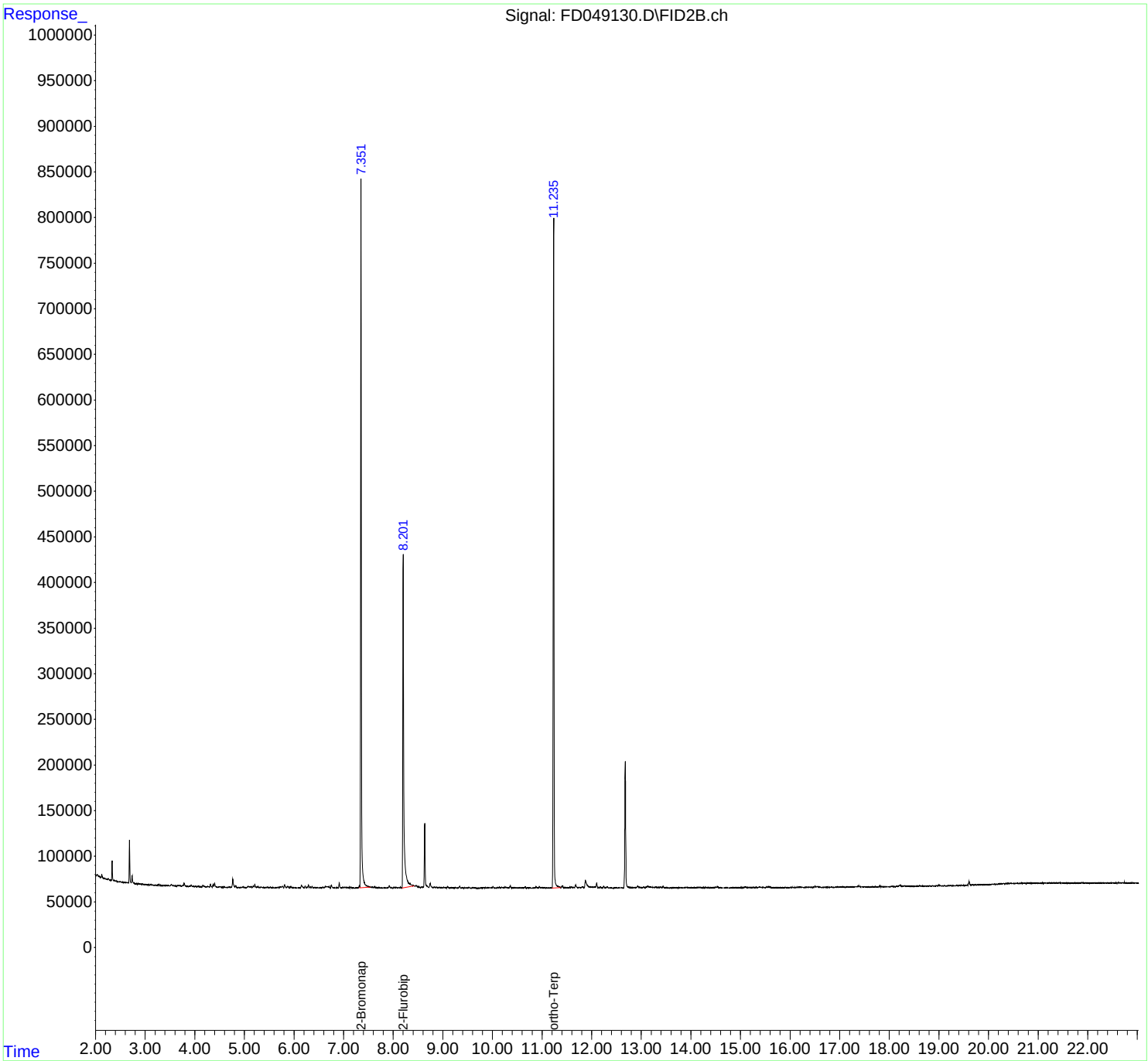
(f)=RT Delta > 1/2 Window (m)=manual int.

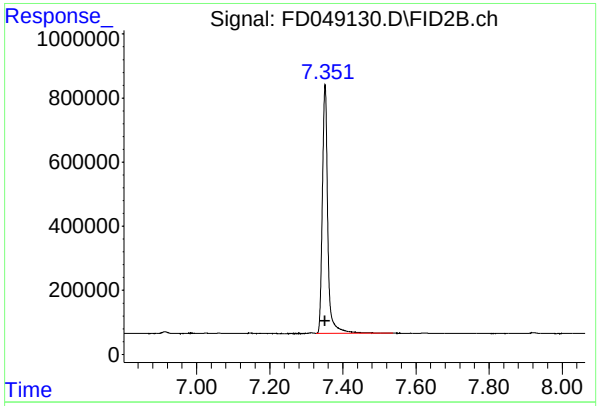
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049130.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 11:00
Operator : YP/AJ
Sample : PB166923BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166923BL

Integration File: autoint1.e
Quant Time: Mar 01 02:16:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

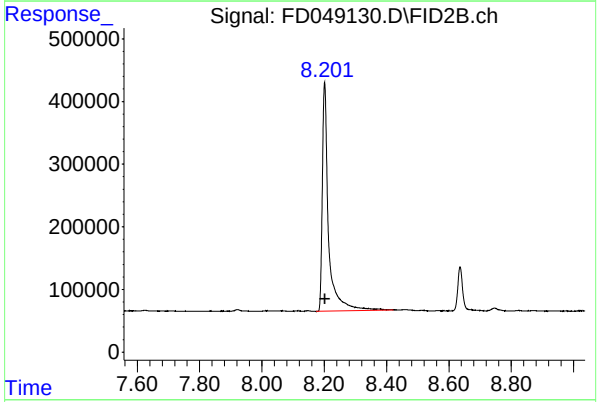




#4 2-Bromonaphthalene (SURR)

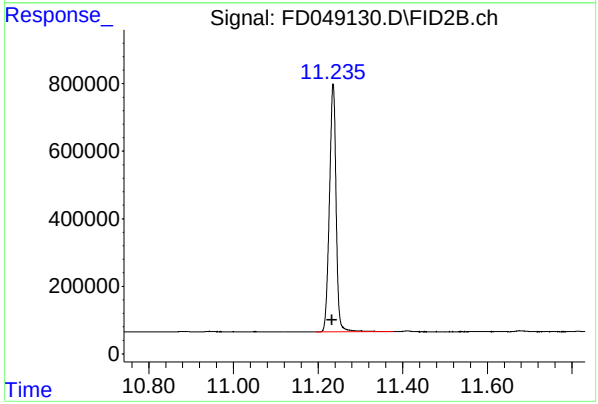
R.T.: 7.352 min
Delta R.T.: 0.000 min
Response: 8010402
Conc: 55.97 ug/ml

Instrument :
FID_D
ClientSampleId :
PB166923BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.201 min
Delta R.T.: 0.000 min
Response: 5081253
Conc: 57.80 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.236 min
Delta R.T.: 0.002 min
Response: 8041222
Conc: 49.71 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049130.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 11:00
Sample : PB166923BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	7.352	7.327	7.537	VB	776735	8010402	99.62%	37.905%
2	8.201	8.174	8.420	PB	364991	5081253	63.19%	24.044%
3	11.236	11.195	11.377	BB	734702	8041222	100.00%	38.051%
			Sum of corrected areas:			21132876		

Aromatic EPH 021125.M Sat Mar 01 03:51:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068323.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:37
Operator : YP/AJ
Sample : PB166923BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BS

Integration File: autoint1.e
Quant Time: Mar 05 05:23:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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			
12) S	1-chlorooctadecane (S...	12.840	4376930	38.915 ug/ml
Spiked Amount	50.000	Recovery	=	77.83%
	Target Compounds			
1) T	n-Nonane (C9)	3.205	3770437	26.802 ug/ml
2) T	n-Decane (C10)	4.262	4690075	33.105 ug/ml
4) T	n-Dodecane (C12)	6.270	5370934	38.157 ug/ml
6) T	n-Tetradecane (C14)	8.059	5778269	42.380 ug/ml
7) T	n-Hexadecane (C16)	9.655	6026599	44.001 ug/ml
8) T	n-Octadecane (C18)	11.094	6267228	45.827 ug/ml
10) T	n-Eicosane (C20)	12.400	6468032	49.645 ug/ml
11) T	n-Heneicosane (C21)	13.011	6177617	48.320 ug/ml
13) T	n-Docosane (C22)	13.595	6141972	48.735 ug/ml
14) T	n-Tetracosane (C24)	14.696	6008487	48.309 ug/ml
15) T	n-Hexacosane (C26)	15.715	5879209	48.352 ug/ml
16) T	n-Octacosane (C28)	16.664	5728664	48.234 ug/ml
17) T	n-Tricontane (C30)	17.550	5730289	47.607 ug/ml
18) T	n-Dotriacontane (C32)	18.381	5695730	49.073 ug/ml
19) T	n-Tetratriacontane (C34)	19.164	5652338	52.308 ug/ml
20) T	n-Hexatriacontane (C36)	19.903	5406820	56.222 ug/ml
21) T	n-Octatriacontane (C38)	20.615	5240074	58.289 ug/ml
22) T	n-Tetracontane (C40)	21.470	5034272	58.186 ug/ml

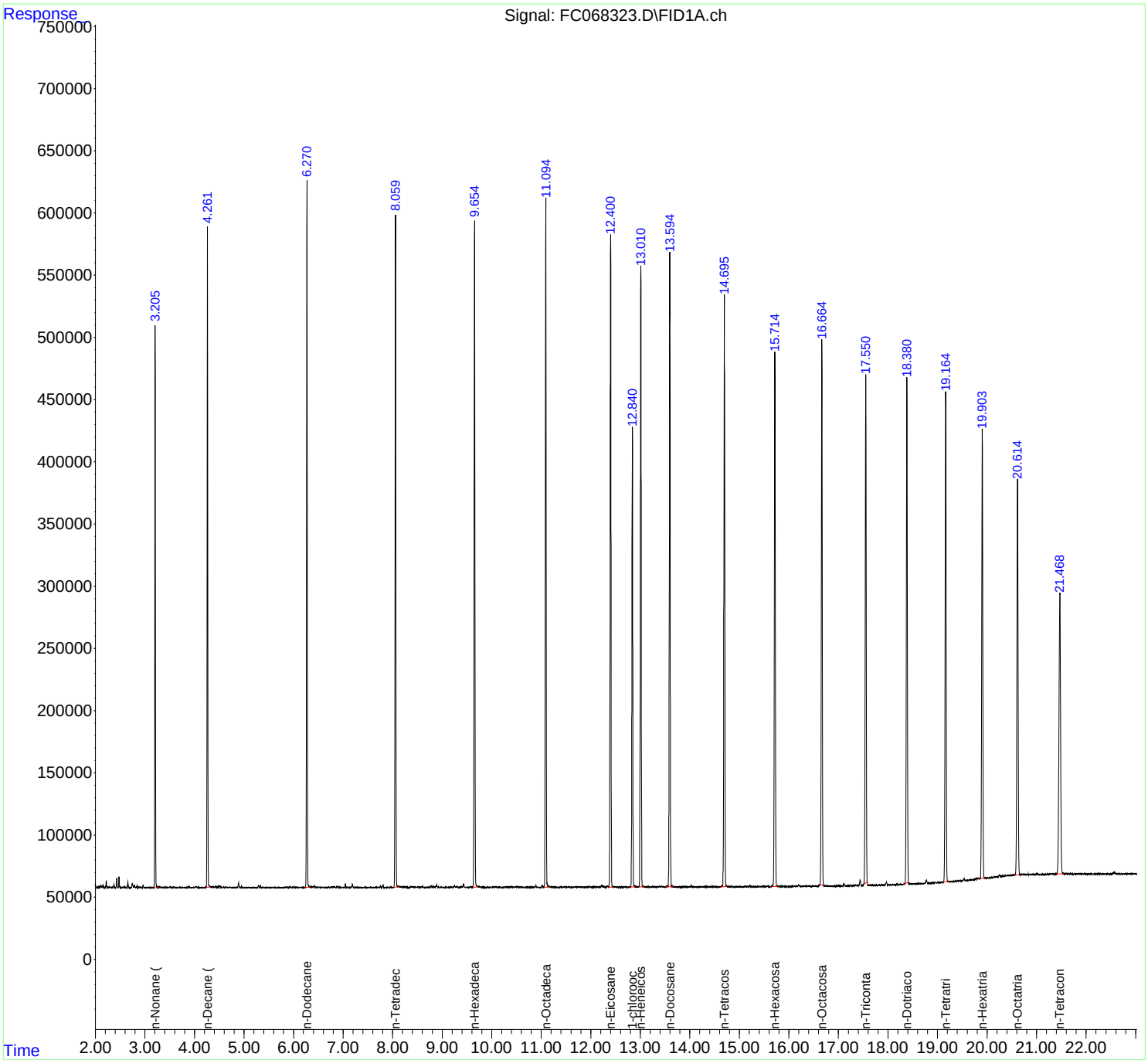
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068323.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:37
Operator : YP/AJ
Sample : PB166923BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BS

Integration File: autoint1.e
Quant Time: Mar 05 05:23:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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\FC022825AL\
Data File : FC068323.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 11:37
Sample : PB166923BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	3.205	3.178	3.268	BB	449086	3770437	58.29%	3.570%
2	4.262	4.228	4.321	BB	526418	4690075	72.51%	4.441%
3	6.270	6.228	6.331	BB	569210	5370934	83.04%	5.085%
4	8.059	8.028	8.124	BB	538627	5778269	89.34%	5.471%
5	9.655	9.614	9.721	BB	535914	6026599	93.18%	5.706%
6	11.094	11.054	11.164	BB	550618	6267228	96.90%	5.934%
7	12.400	12.364	12.461	BB	527788	6468032	100.00%	6.124%
8	12.840	12.794	12.901	BB	374039	4376930	67.67%	4.144%
9	13.011	12.968	13.071	BB	499069	6177617	95.51%	5.849%
10	13.595	13.514	13.658	BB	506611	6141972	94.96%	5.815%
11	14.696	14.614	14.754	BB	474250	6008487	92.90%	5.689%
12	15.715	15.634	15.778	BB	426830	5879209	90.90%	5.567%
13	16.664	16.598	16.728	BB	438374	5768514	89.18%	5.462%
14	17.550	17.488	17.608	BB	407922	5811305	89.85%	5.502%
15	18.381	18.304	18.448	BB	407994	5745667	88.83%	5.440%
16	19.164	19.121	19.224	BB	392230	5652338	87.39%	5.352%
17	19.903	19.851	19.948	BB	359474	5406820	83.59%	5.119%
18	20.615	20.551	20.678	BB	318753	5240074	81.01%	4.961%
19	21.470	21.391	21.554	BB	221575	5034272	77.83%	4.767%

Sum of corrected areas: 105614773

Aliphatic EPH 021125.M Sat Mar 01 01:23:14 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049131.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 11:37
Operator : YP/AJ
Sample : PB166923BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166923BS

Integration File: autoint1.e
Quant Time: Mar 01 02:17:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.352	8337130	58.257 ug/ml
Spiked Amount	50.000		Recovery =	116.51%
6) S	2-Flurobiphenyl (SURR)	8.203	5441864	61.901 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	123.80%
11) S	ortho-Terphenyl (SURR)	11.237	8579131	53.031 ug/ml
Spiked Amount	50.000		Recovery =	106.06%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.176	7284149	45.739 ug/ml
2) T	Naphthalene (C11.7)	5.693	8222037	51.780 ug/ml
3) T	2-Methylnaphthalene (...	6.739	8074488	51.862 ug/ml
5) T	Acenaphthylene (C15.06)	8.005	9136899	56.191 ug/ml
7) T	Acenaphthene (C15.5)	8.300	9599893	58.355 ug/ml
8) T	Flouorene (C16.55)	9.079	9673508	61.361 ug/ml
9) T	Phenanthrene (C19.36)	10.467	9815403	65.132 ug/ml
10) T	Anthracene (C19.43)	10.543	9838705	65.145 ug/ml
12) T	Fluoranthene (C21.85)	12.273	10212040	66.177 ug/ml
13) T	Pyrene (C20.8)	12.566	10018958	65.034 ug/ml
14) T	Benzo[a]anthracene (C...	14.437	9485151	72.191 ug/ml
15) T	Chrysene (C27.41)	14.479	9302019	57.531 ug/ml
16) T	benzo[b]fluoranthene ...	15.987	9472667	68.845 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.022	9519915	60.275 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.362	9102339	67.059 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.733	8774948	80.300 ug/ml
20) T	Dibenz[a,h]anthracene...	17.767	8997450	57.996 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.983	8981700	61.964 ug/ml

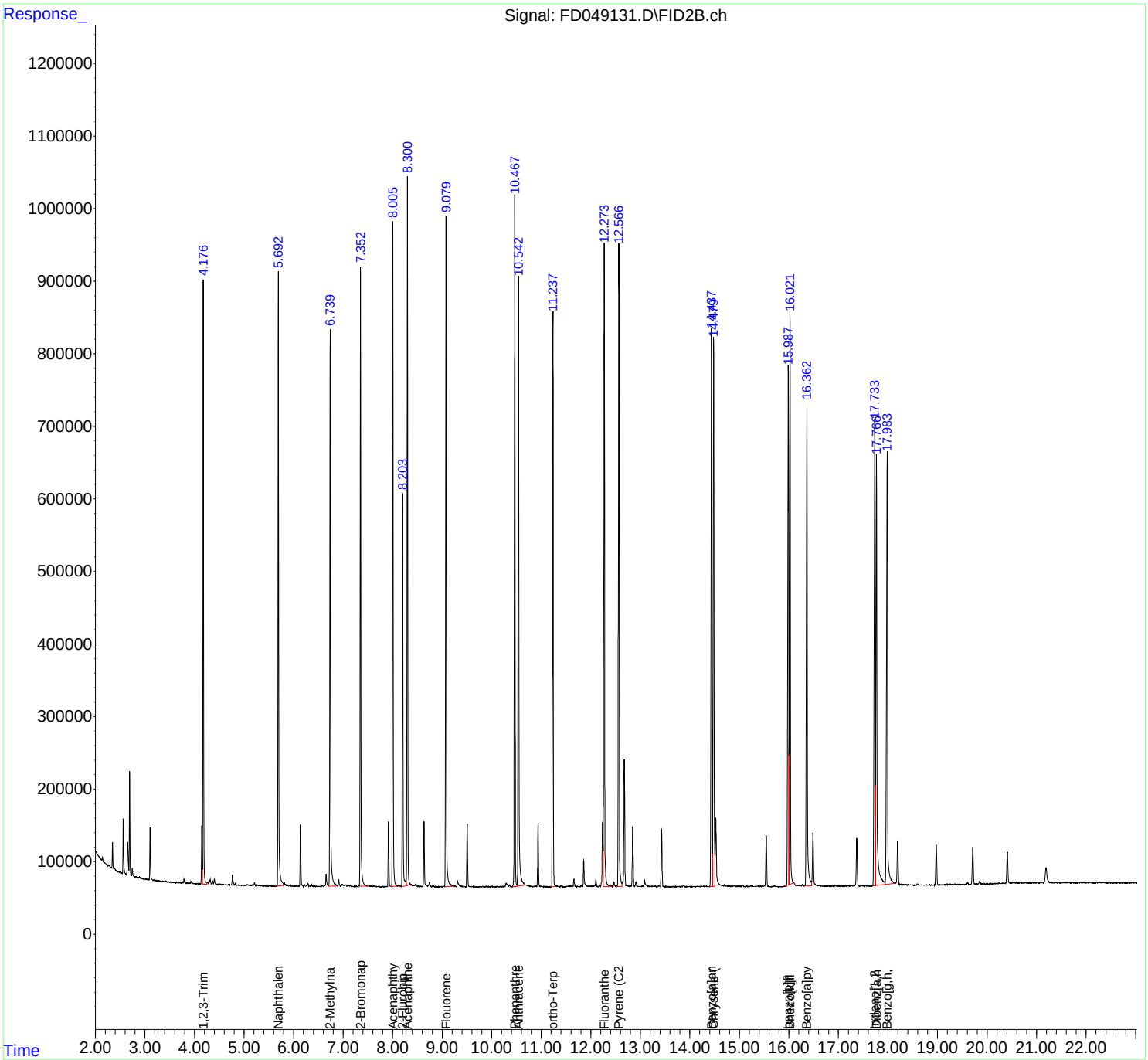
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049131.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 11:37
Operator : YP/AJ
Sample : PB166923BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166923BS

Integration File: autoint1.e
Quant Time: Mar 01 02:17:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049131.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 11:37
Sample : PB166923BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.176	4.160	4.251	VV	832466	7284149	71.33%	3.877%
2	5.693	5.625	5.797	BV	847783	8222037	80.51%	4.376%
3	6.739	6.710	6.875	VV	766284	8074488	79.07%	4.298%
4	7.352	7.328	7.497	VB	853398	8337130	81.64%	4.438%
5	8.005	7.960	8.095	BV	916751	9136899	89.47%	4.863%
6	8.203	8.177	8.272	BV	542452	5441864	53.29%	2.897%
7	8.300	8.272	8.367	VV	975321	9599893	94.01%	5.110%
8	9.079	9.051	9.230	PV	926912	9673508	94.73%	5.149%
9	10.467	10.403	10.513	BV	952424	9815403	96.12%	5.225%
10	10.543	10.513	10.647	VV	840898	9838705	96.34%	5.237%
11	11.237	11.193	11.310	BV	791167	8579131	84.01%	4.567%
12	12.273	12.248	12.427	VB	888617	10212040	100.00%	5.436%
13	12.566	12.507	12.632	VV	889348	10018958	98.11%	5.333%
14	14.437	14.393	14.454	BV	768080	9485151	92.88%	5.049%
15	14.479	14.454	14.507	VV	756410	9302019	91.09%	4.951%
16	15.987	15.930	16.001	BV	716637	9472667	92.76%	5.042%
17	16.022	16.001	16.085	VV	788969	9519915	93.22%	5.067%
18	16.362	16.313	16.457	BV	670089	9102339	89.13%	4.845%
19	17.733	17.690	17.746	BV	643928	8774948	85.93%	4.671%
20	17.767	17.746	17.942	VV	594625	8997450	88.11%	4.789%
21	17.983	17.942	18.143	VV	596917	8981700	87.95%	4.781%

Sum of corrected areas: 187870394

Aromatic EPH 021125.M Sat Mar 01 03:53:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068324.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 12:13
Operator : YP/AJ
Sample : PB166923BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BSD

Integration File: autoint1.e
Quant Time: Mar 05 05:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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			
12) S	1-chlorooctadecane (S...	12.840	4356774	38.736 ug/ml
Spiked Amount	50.000		Recovery =	77.47%
	Target Compounds			
1) T	n-Nonane (C9)	3.205	3794951	26.976 ug/ml
2) T	n-Decane (C10)	4.262	4712176	33.261 ug/ml
4) T	n-Dodecane (C12)	6.270	5382829	38.242 ug/ml
6) T	n-Tetradecane (C14)	8.059	5779518	42.389 ug/ml
7) T	n-Hexadecane (C16)	9.655	6016543	43.927 ug/ml
8) T	n-Octadecane (C18)	11.093	6243297	45.652 ug/ml
10) T	n-Eicosane (C20)	12.399	6441586	49.442 ug/ml
11) T	n-Heneicosane (C21)	13.010	6154772	48.142 ug/ml
13) T	n-Docosane (C22)	13.595	6104328	48.436 ug/ml
14) T	n-Tetracosane (C24)	14.697	5990514	48.164 ug/ml
15) T	n-Hexacosane (C26)	15.715	5861152	48.203 ug/ml
16) T	n-Octacosane (C28)	16.664	5725382	48.207 ug/ml
17) T	n-Tricontane (C30)	17.551	5737111	47.664 ug/ml
18) T	n-Dotriacontane (C32)	18.381	5715622	49.244 ug/ml
19) T	n-Tetratriacontane (C34)	19.163	5668029	52.453 ug/ml
20) T	n-Hexatriacontane (C36)	19.902	5431820	56.482 ug/ml
21) T	n-Octatriacontane (C38)	20.616	5265474	58.572 ug/ml
22) T	n-Tetracontane (C40)	21.470	5078129	58.693 ug/ml

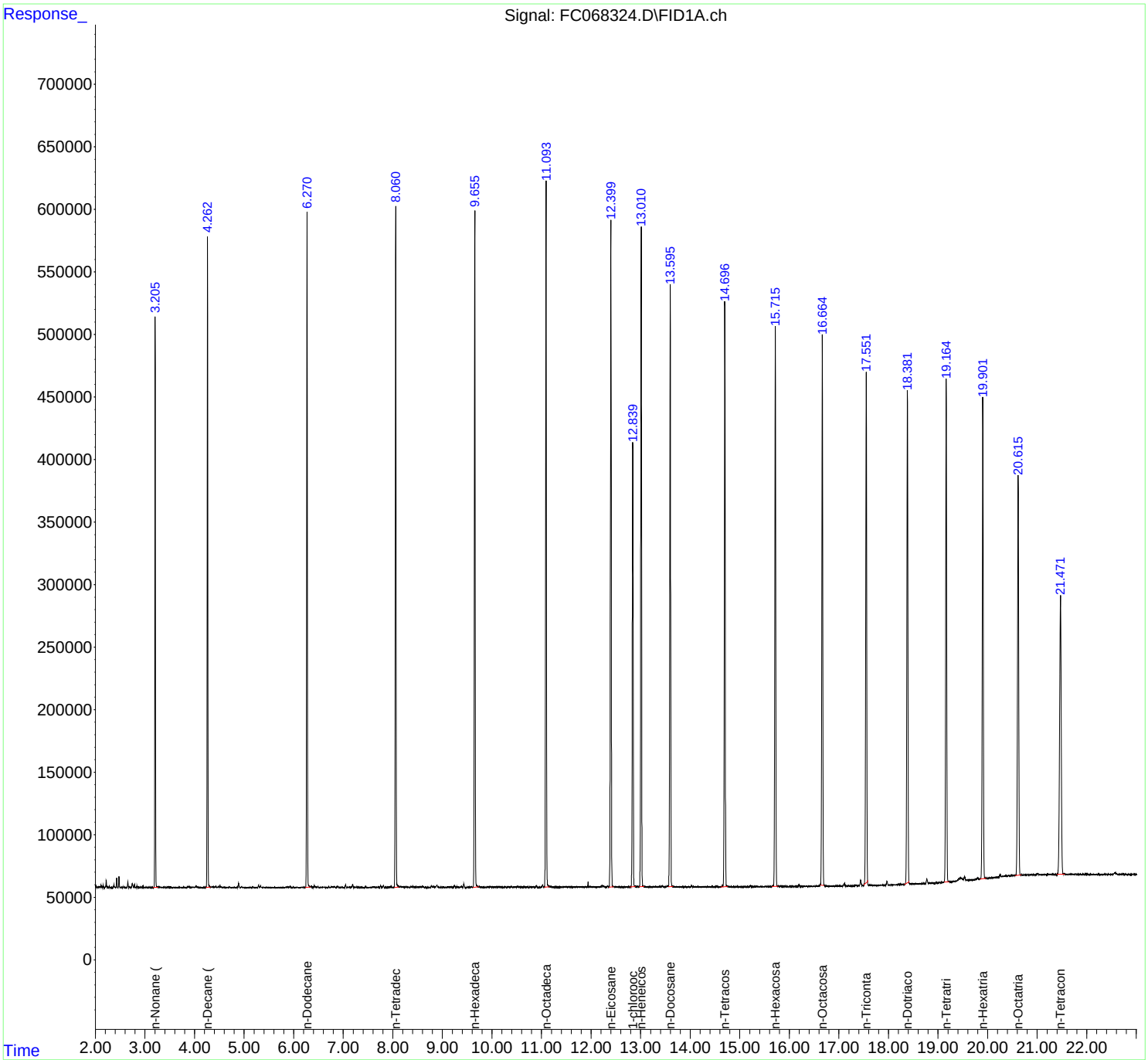
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068324.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 12:13
Operator : YP/AJ
Sample : PB166923BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB166923BSD

Integration File: autoint1.e
Quant Time: Mar 05 05:23:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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\FC022825AL\
Data File : FC068324.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 12:13
Sample : PB166923BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	3.205	3.168	3.268	BB	454324	3794951	58.91%	3.592%
2	4.262	4.231	4.325	BB	517887	4712176	73.15%	4.460%
3	6.270	6.231	6.338	BB	544816	5382829	83.56%	5.095%
4	8.059	8.028	8.128	BB	537206	5779518	89.72%	5.471%
5	9.655	9.615	9.731	BB	535033	6016543	93.40%	5.695%
6	11.093	11.051	11.165	BB	558187	6243297	96.92%	5.910%
7	12.399	12.358	12.451	BB	523836	6441586	100.00%	6.097%
8	12.840	12.778	12.898	BB	356315	4356774	67.64%	4.124%
9	13.010	12.968	13.071	BB	522913	6154772	95.55%	5.826%
10	13.595	13.558	13.658	BB	481011	6104328	94.76%	5.778%
11	14.697	14.618	14.758	BB	467416	5990514	93.00%	5.671%
12	15.715	15.648	15.775	BB	442423	5861152	90.99%	5.548%
13	16.664	16.598	16.728	BB	439005	5768706	89.55%	5.461%
14	17.551	17.491	17.608	BB	410276	5827258	90.46%	5.516%
15	18.381	18.315	18.445	BB	395852	5765342	89.50%	5.457%
16	19.163	19.121	19.221	BB	404106	5668029	87.99%	5.365%
17	19.902	19.851	19.968	BB	380790	5431820	84.32%	5.142%
18	20.616	20.551	20.675	BB	316762	5265474	81.74%	4.984%
19	21.470	21.391	21.555	BB	222869	5078129	78.83%	4.807%
			Sum of corrected areas:			105643198		

Aliphatic EPH 021125.M Sat Mar 01 01:23:32 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049132.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 12:13
Operator : YP/AJ
Sample : PB166923BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166923BSD

Integration File: autoint1.e
Quant Time: Mar 01 02:17:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.352	8444315	59.006 ug/ml
	Spiked Amount 50.000		Recovery = 118.01%	
6)	S 2-Flurobiphenyl (SURR)	8.203	5539761	63.015 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 126.03%	
11)	S ortho-Terphenyl (SURR)	11.237	8675284	53.626 ug/ml
	Spiked Amount 50.000		Recovery = 107.25%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.177	7363423	46.237 ug/ml
2)	T Naphthalene (C11.7)	5.693	8299718	52.269 ug/ml
3)	T 2-Methylnaphthalene (...	6.739	8179915	52.539 ug/ml
5)	T Acenaphthylene (C15.06)	8.006	9241947	56.837 ug/ml
7)	T Acenaphthene (C15.5)	8.301	9806969	59.614 ug/ml
8)	T Flouorene (C16.55)	9.079	9794107	62.126 ug/ml
9)	T Phenanthrene (C19.36)	10.467	9953645	66.049 ug/ml
10)	T Anthracene (C19.43)	10.543	10019118	66.339 ug/ml
12)	T Fluoranthene (C21.85)	12.273	10371581	67.210 ug/ml
13)	T Pyrene (C20.8)	12.567	10147707	65.869 ug/ml
14)	T Benzo[a]anthracene (C...	14.437	9644699	73.405 ug/ml
15)	T Chrysene (C27.41)	14.480	9454131	58.472 ug/ml
16)	T benzo[b]fluoranthene ...	15.988	9628743	69.979 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.022	9681524	61.298 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.364	9238467	68.062 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.734	8949996	81.902 ug/ml
20)	T Dibenz[a,h]anthracene...	17.767	9240484	59.562 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.985	9127178	62.967 ug/ml

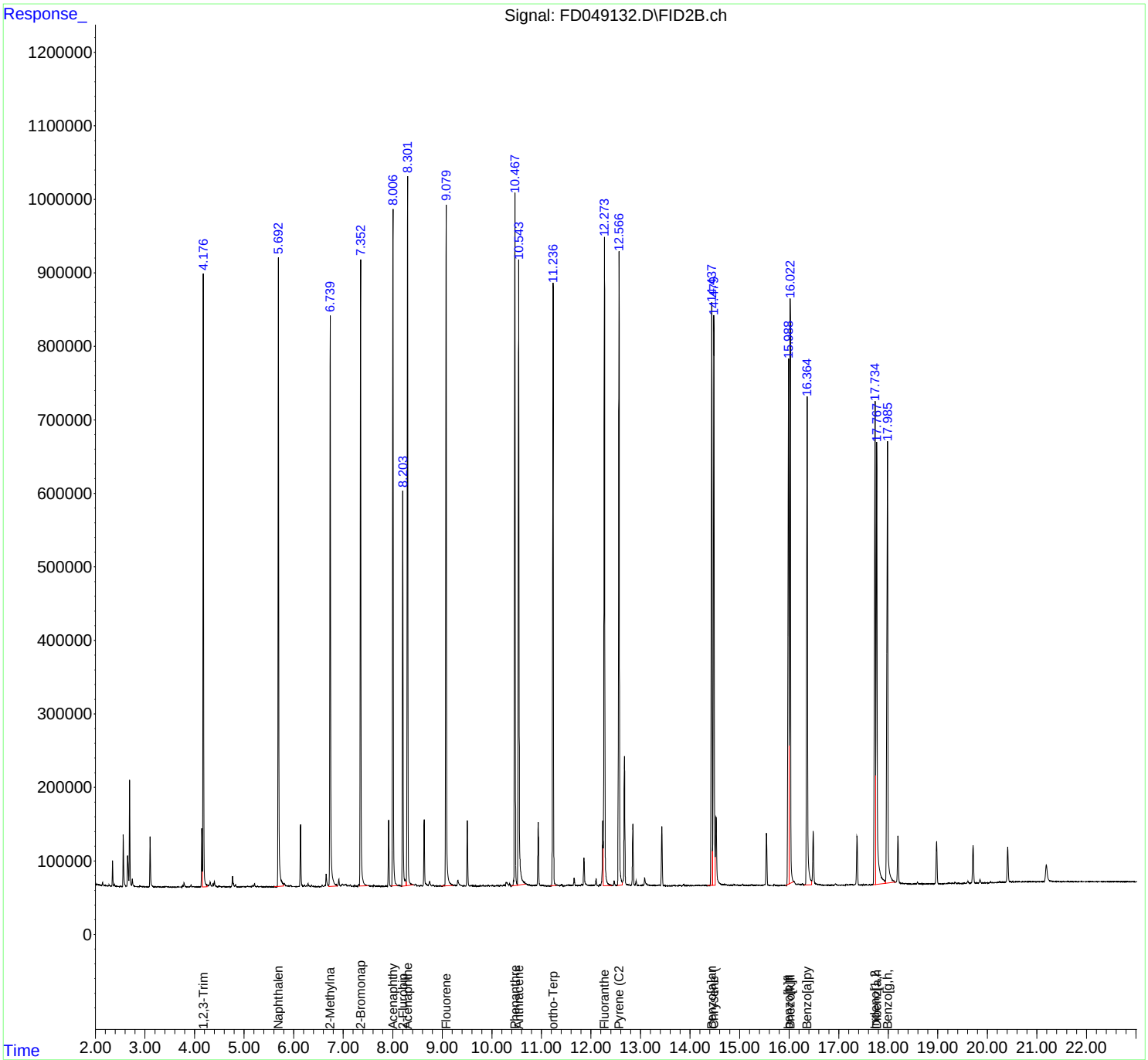
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049132.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 12:13
Operator : YP/AJ
Sample : PB166923BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB166923BSD

Integration File: autoint1.e
Quant Time: Mar 01 02:17:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049132.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 12:13
Sample : PB166923BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.177	4.160	4.254	VV	833763	7363423	71.00%	3.859%
2	5.693	5.614	5.796	BV	854382	8299718	80.02%	4.350%
3	6.739	6.710	6.882	VV	774369	8179915	78.87%	4.287%
4	7.352	7.328	7.502	VV	850747	8444315	81.42%	4.426%
5	8.006	7.960	8.097	BV	918197	9241947	89.11%	4.844%
6	8.203	8.174	8.272	BV	537561	5539761	53.41%	2.903%
7	8.301	8.272	8.420	VB	960907	9806969	94.56%	5.140%
8	9.079	8.979	9.222	BV	923928	9794107	94.43%	5.133%
9	10.467	10.394	10.515	PV	942889	9953645	95.97%	5.217%
10	10.543	10.515	10.685	VV	852864	10019118	96.60%	5.251%
11	11.237	11.182	11.305	BV	818909	8675284	83.64%	4.547%
12	12.273	12.248	12.427	VB	878971	10371581	100.00%	5.436%
13	12.567	12.525	12.631	BV	861958	10147707	97.84%	5.318%
14	14.437	14.350	14.455	BV	792508	9644699	92.99%	5.055%
15	14.480	14.455	14.507	VV	775232	9454131	91.15%	4.955%
16	15.988	15.930	16.001	BV	716576	9628743	92.84%	5.046%
17	16.022	16.001	16.089	VV	793985	9681524	93.35%	5.074%
18	16.364	16.310	16.457	BV	664714	9238467	89.07%	4.842%
19	17.734	17.692	17.746	BV	656393	8949996	86.29%	4.691%
20	17.767	17.746	17.944	VV	600565	9240484	89.09%	4.843%
21	17.985	17.944	18.144	VV	600259	9127178	88.00%	4.784%

Sum of corrected areas: 190802711

Aromatic EPH 021125.M Sat Mar 01 03:55:20 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068334.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 18:56
Operator : YP/AJ
Sample : Q1421-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-CLAY-CF01-01MS

Integration File: autoint1.e
Quant Time: Mar 05 05:24:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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			
12) S	1-chlorooctadecane (S...	12.839	3447568	30.652 ug/ml
Spiked Amount	50.000		Recovery =	61.30%
	Target Compounds			
1) T	n-Nonane (C9)	3.205	3952679	28.098 ug/ml
2) T	n-Decane (C10)	4.262	4756204	33.572 ug/ml
4) T	n-Dodecane (C12)	6.270	5217892	37.070 ug/ml
6) T	n-Tetradecane (C14)	8.059	5826405	42.733 ug/ml
7) T	n-Hexadecane (C16)	9.655	6354609	46.396 ug/ml
8) T	n-Octadecane (C18)	11.093	6605667	48.302 ug/ml
10) T	n-Eicosane (C20)	12.400	6724652	51.614 ug/ml
11) T	n-Heneicosane (C21)	13.010	6406807	50.113 ug/ml
13) T	n-Docosane (C22)	13.596	6355786	50.432 ug/ml
14) T	n-Tetracosane (C24)	14.697	6236779	50.144 ug/ml
15) T	n-Hexacosane (C26)	15.715	6107881	50.232 ug/ml
16) T	n-Octacosane (C28)	16.664	5953830	50.130 ug/ml
17) T	n-Tricontane (C30)	17.551	5974819	49.639 ug/ml
18) T	n-Dotriacontane (C32)	18.382	5932634	51.114 ug/ml
19) T	n-Tetratriacontane (C34)	19.164	5900054	54.600 ug/ml
20) T	n-Hexatriacontane (C36)	19.904	5653625	58.789 ug/ml
21) T	n-Octatriacontane (C38)	20.616	5491943	61.091 ug/ml
22) T	n-Tetracontane (C40)	21.472	5316432	61.447 ug/ml

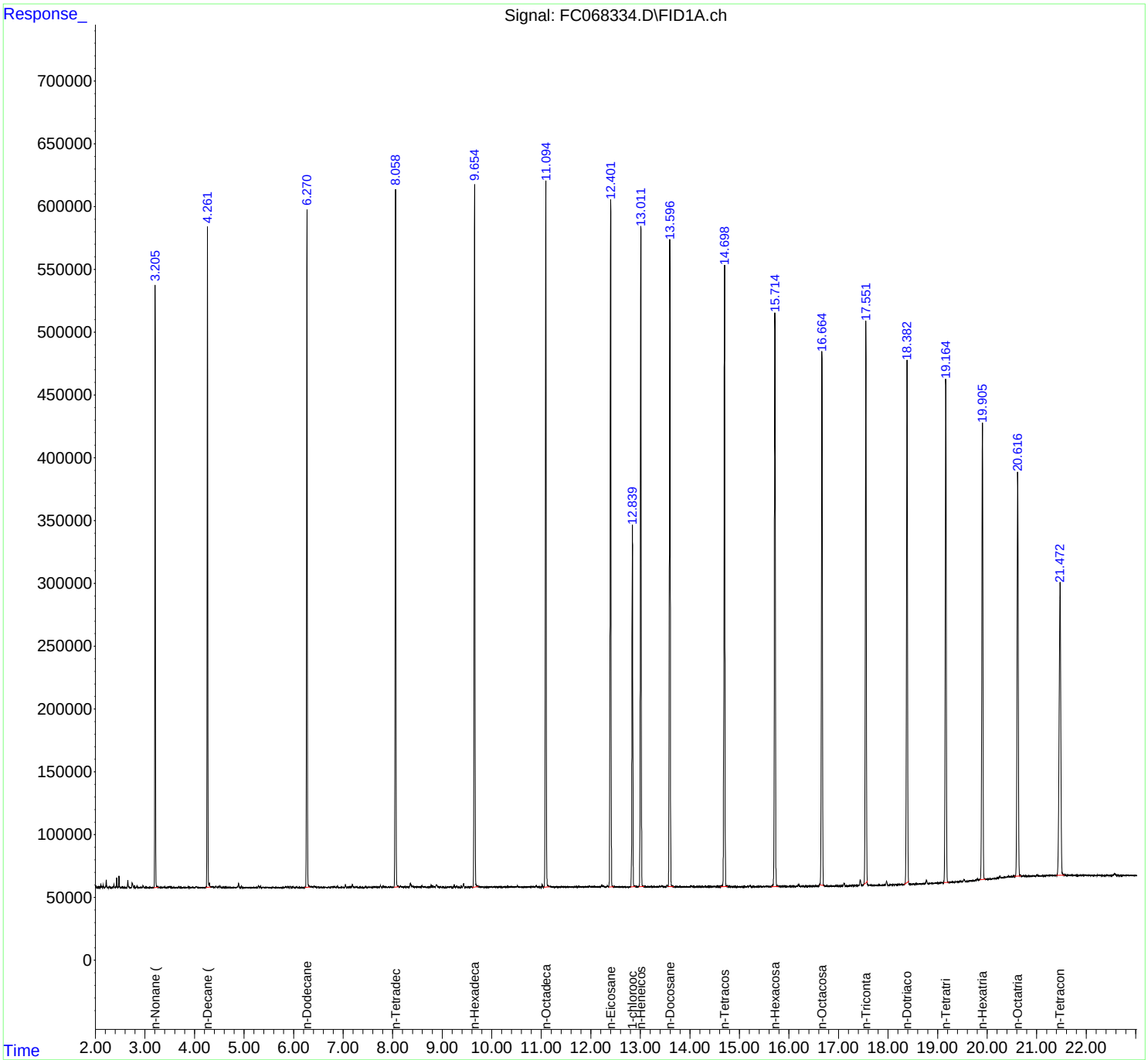
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068334.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 18:56
Operator : YP/AJ
Sample : Q1421-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-CLAY-CF01-01MS

Integration File: autoint1.e
Quant Time: Mar 05 05:24:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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\FC022825AL\
Data File : FC068334.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 18:56
Sample : Q1421-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	2.373	2.304	2.402	BV	2444	20177	0.30%	0.018%
2	2.430	2.402	2.454	PV	7767	67001	0.99%	0.059%
3	2.475	2.454	2.535	VV	9285	76863	1.14%	0.067%
4	2.556	2.535	2.578	VV	360	5078	0.08%	0.004%
5	2.588	2.578	2.626	VV	234	3484	0.05%	0.003%
6	2.654	2.626	2.721	PV	5970	55320	0.82%	0.048%
7	2.743	2.721	2.771	VV	3718	52504	0.78%	0.046%
8	2.786	2.771	2.820	VV	1524	17198	0.25%	0.015%
9	2.839	2.820	2.900	VV	1638	20171	0.30%	0.018%
10	2.917	2.900	2.943	VV	340	4970	0.07%	0.004%
11	2.961	2.943	2.993	VV	1652	15512	0.23%	0.014%
12	3.031	2.993	3.044	VV	298	5350	0.08%	0.005%
13	3.054	3.044	3.071	VV	147	1723	0.03%	0.002%
14	3.095	3.071	3.122	VV	221	3824	0.06%	0.003%
15	3.205	3.122	3.314	VV	476570	3974917	58.90%	3.482%
16	3.324	3.314	3.364	VV	381	7654	0.11%	0.007%
17	3.378	3.364	3.424	VV	331	9181	0.14%	0.008%
18	3.437	3.424	3.454	VV	241	3497	0.05%	0.003%
19	3.501	3.454	3.553	VV	659	21613	0.32%	0.019%
20	3.568	3.553	3.604	VV	260	4949	0.07%	0.004%
21	3.611	3.604	3.655	VV	176	3352	0.05%	0.003%
22	3.692	3.655	3.752	VV	421	11227	0.17%	0.010%
23	3.775	3.752	3.827	VV	350	7232	0.11%	0.006%
24	3.865	3.827	3.878	VV	588	8521	0.13%	0.007%
25	3.893	3.878	3.948	VV	975	13495	0.20%	0.012%
26	3.961	3.948	3.993	VV	284	4929	0.07%	0.004%
27	4.037	3.993	4.145	VV	944	27567	0.41%	0.024%
28	4.178	4.145	4.204	VV	296	6175	0.09%	0.005%
29	4.211	4.204	4.231	VV	230	2907	0.04%	0.003%
30	4.262	4.231	4.289	VV	524353	4734902	70.17%	4.148%
31	4.300	4.289	4.347	VV	3746	50768	0.75%	0.044%
32	4.364	4.347	4.390	VV	730	14752	0.22%	0.013%
33	4.428	4.390	4.448	VV	1240	21435	0.32%	0.019%
34	4.459	4.448	4.467	VV	425	4469	0.07%	0.004%
35	4.483	4.467	4.497	VV	955	11206	0.17%	0.010%
36	4.513	4.497	4.578	VV	1798	24455	0.36%	0.021%

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37	4.630	4.578	4.689	VV	247	12114	0.18%	0.011%
38	4.724	4.689	4.780	VV	273	7087	0.11%	0.006%
39	4.810	4.780	4.844	VV	250	4638	0.07%	0.004%
40	4.890	4.844	4.921	VV	3471	45773	0.68%	0.040%
41	4.946	4.921	4.962	VV	719	8954	0.13%	0.008%
42	4.973	4.962	5.018	VV	275	4329	0.06%	0.004%
43	5.081	5.018	5.101	PV	175	4452	0.07%	0.004%
44	5.115	5.101	5.153	VV	129	3282	0.05%	0.003%
45	5.163	5.153	5.223	VV	189	3688	0.05%	0.003%
46	5.258	5.223	5.269	VV	162	2711	0.04%	0.002%
47	5.292	5.269	5.312	VV	1773	19244	0.29%	0.017%
48	5.332	5.312	5.357	VV	1339	15550	0.23%	0.014%
49	5.387	5.357	5.434	VV	309	5489	0.08%	0.005%
50	5.469	5.434	5.495	VV	356	6323	0.09%	0.006%
51	5.508	5.495	5.529	VV	125	1637	0.02%	0.001%
52	5.539	5.529	5.553	VV	148	1273	0.02%	0.001%
53	5.582	5.553	5.613	VV	280	5783	0.09%	0.005%
54	5.640	5.613	5.684	VV	173	4197	0.06%	0.004%
55	5.692	5.684	5.724	VV	99	1301	0.02%	0.001%
56	5.742	5.724	5.763	PV	204	2404	0.04%	0.002%
57	5.788	5.763	5.813	VV	186	3529	0.05%	0.003%
58	5.838	5.813	5.869	VV	890	16772	0.25%	0.015%
59	5.886	5.869	5.908	VV	542	8475	0.13%	0.007%
60	5.928	5.908	5.971	VV	1047	14951	0.22%	0.013%
61	5.991	5.971	6.029	VV	703	11596	0.17%	0.010%
62	6.064	6.029	6.086	VV	368	7588	0.11%	0.007%
63	6.115	6.086	6.132	VV	274	4178	0.06%	0.004%
64	6.164	6.132	6.228	VV	275	9391	0.14%	0.008%
65	6.270	6.228	6.334	VV	539912	5241953	77.68%	4.592%
66	6.351	6.334	6.374	VV	1068	17052	0.25%	0.015%
67	6.386	6.374	6.398	VV	676	7625	0.11%	0.007%
68	6.417	6.398	6.437	VV	1487	20059	0.30%	0.018%
69	6.450	6.437	6.471	VV	584	8181	0.12%	0.007%
70	6.489	6.471	6.538	VV	752	13429	0.20%	0.012%
71	6.552	6.538	6.568	VV	277	4003	0.06%	0.004%
72	6.587	6.568	6.611	VV	313	5879	0.09%	0.005%
73	6.622	6.611	6.641	VV	243	3682	0.05%	0.003%
74	6.655	6.641	6.684	VV	227	4481	0.07%	0.004%
75	6.708	6.684	6.736	VV	664	9075	0.13%	0.008%
76	6.762	6.736	6.796	VV	830	16423	0.24%	0.014%
77	6.824	6.796	6.854	VV	741	16164	0.24%	0.014%
78	6.887	6.854	6.914	VV	1061	19526	0.29%	0.017%
79	6.925	6.914	6.947	VV	306	4357	0.06%	0.004%
80	6.988	6.947	7.008	VV	329	7764	0.12%	0.007%
81	7.048	7.008	7.095	VV	2381	30341	0.45%	0.027%
82	7.108	7.095	7.138	VV	366	7191	0.11%	0.006%
83	7.155	7.138	7.167	VV	499	5849	0.09%	0.005%
84	7.188	7.167	7.213	VV	2579	30661	0.45%	0.027%
85	7.221	7.213	7.233	VV	260	2957	0.04%	0.003%
86	7.248	7.233	7.266	VV	418	6511	0.10%	0.006%
87	7.279	7.266	7.333	VV	619	10000	0.15%	0.009%
88	7.355	7.333	7.391	VV	242	6015	0.09%	0.005%
89	7.395	7.391	7.414	VV	190	1628	0.02%	0.001%

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90	7.448	7.414	7.478	VV	1037	13385	0.20%	0.012%
91	7.525	7.478	7.574	VV	321	11619	0.17%	0.010%
92	7.611	7.574	7.627	VV	353	8205	0.12%	0.007%
93	7.648	7.627	7.688	VV	402	10387	0.15%	0.009%
94	7.709	7.688	7.734	VV	486	7961	0.12%	0.007%
95	7.753	7.734	7.778	VV	1583	19335	0.29%	0.017%
96	7.809	7.778	7.834	VV	1594	21359	0.32%	0.019%
97	7.846	7.834	7.864	VV	354	4886	0.07%	0.004%
98	7.879	7.864	7.891	VV	423	4829	0.07%	0.004%
99	7.908	7.891	7.934	VV	361	6444	0.10%	0.006%
100	7.962	7.934	8.004	VV	856	13217	0.20%	0.012%
101	8.059	8.004	8.134	VV	554409	5855976	86.78%	5.130%
102	8.154	8.134	8.190	VV	891	22636	0.34%	0.020%
103	8.203	8.190	8.222	VV	574	8596	0.13%	0.008%
104	8.250	8.222	8.269	VV	624	10991	0.16%	0.010%
105	8.287	8.269	8.328	VV	613	10178	0.15%	0.009%
106	8.358	8.328	8.438	VV	3538	79437	1.18%	0.070%
107	8.449	8.438	8.464	VV	483	7244	0.11%	0.006%
108	8.474	8.464	8.488	VV	607	6830	0.10%	0.006%
109	8.516	8.488	8.531	VV	612	13038	0.19%	0.011%
110	8.544	8.531	8.558	VV	691	8906	0.13%	0.008%
111	8.592	8.558	8.631	VV	1119	27569	0.41%	0.024%
112	8.654	8.631	8.687	VV	452	9010	0.13%	0.008%
113	8.707	8.687	8.725	VV	426	6259	0.09%	0.005%
114	8.745	8.725	8.753	VV	313	3931	0.06%	0.003%
115	8.776	8.753	8.796	VV	1501	20657	0.31%	0.018%
116	8.812	8.796	8.825	VV	888	11876	0.18%	0.010%
117	8.833	8.825	8.854	VV	679	10088	0.15%	0.009%
118	8.887	8.854	8.943	VV	2096	46575	0.69%	0.041%
119	8.962	8.943	8.989	VV	596	8314	0.12%	0.007%
120	9.011	8.989	9.037	PV	415	5547	0.08%	0.005%
121	9.131	9.037	9.145	VV	387	13254	0.20%	0.012%
122	9.174	9.145	9.221	VV	781	15428	0.23%	0.014%
123	9.245	9.221	9.273	VV	1372	22829	0.34%	0.020%
124	9.294	9.273	9.322	VV	889	12552	0.19%	0.011%
125	9.334	9.322	9.354	VV	263	3002	0.04%	0.003%
126	9.388	9.354	9.408	VV	903	13561	0.20%	0.012%
127	9.432	9.408	9.473	VV	3048	36278	0.54%	0.032%
128	9.490	9.473	9.508	PV	253	2752	0.04%	0.002%
129	9.522	9.508	9.535	VV	181	2184	0.03%	0.002%
130	9.576	9.535	9.609	VV	648	15373	0.23%	0.013%
131	9.655	9.609	9.766	VV	558718	6394144	94.75%	5.602%
132	9.773	9.766	9.864	VV	389	14407	0.21%	0.013%
133	9.931	9.864	9.948	VV	308	7356	0.11%	0.006%
134	9.969	9.948	9.990	VV	302	6115	0.09%	0.005%
135	10.045	9.990	10.064	VV	472	12862	0.19%	0.011%
136	10.081	10.064	10.102	VV	363	6588	0.10%	0.006%
137	10.129	10.102	10.151	VV	338	6987	0.10%	0.006%
138	10.159	10.151	10.180	VV	290	3147	0.05%	0.003%
139	10.191	10.180	10.197	VV	128	1121	0.02%	0.001%
140	10.205	10.197	10.211	VV	152	1028	0.02%	0.001%
141	10.250	10.211	10.265	VV	389	7571	0.11%	0.007%

rteres

142	10.275	10.265	10.303	VV	376	6423	0.10%	0.006%
143	10.322	10.303	10.348	VV	577	10901	0.16%	0.010%
144	10.391	10.348	10.423	VV	743	18152	0.27%	0.016%
145	10.443	10.423	10.458	VV	366	5798	0.09%	0.005%
146	10.476	10.458	10.488	VV	430	6016	0.09%	0.005%
147	10.515	10.488	10.548	VV	1041	19254	0.29%	0.017%
148	10.604	10.584	10.658	VV	273	7646	0.11%	0.007%
149	10.675	10.658	10.683	VV	257	2854	0.04%	0.003%
150	10.714	10.683	10.741	VV	436	9433	0.14%	0.008%
151	10.761	10.741	10.794	VV	411	9576	0.14%	0.008%
152	10.811	10.794	10.831	VV	557	8515	0.13%	0.007%
153	10.844	10.831	10.862	VV	342	3978	0.06%	0.003%
154	10.894	10.862	10.940	VV	1481	20511	0.30%	0.018%
155	10.947	10.940	10.978	VV	104	1539	0.02%	0.001%
156	11.021	10.978	11.054	VV	1735	24417	0.36%	0.021%
157	11.093	11.054	11.168	VV	565923	6625320	98.18%	5.804%
158	11.182	11.168	11.231	VV	720	14671	0.22%	0.013%
159	11.241	11.231	11.261	VV	192	2557	0.04%	0.002%
160	11.273	11.261	11.288	VV	173	1837	0.03%	0.002%
161	11.318	11.288	11.348	VV	209	5178	0.08%	0.005%
162	11.354	11.348	11.368	VV	85	1004	0.01%	0.001%
163	11.398	11.368	11.435	VV	297	9104	0.13%	0.008%
164	11.450	11.435	11.460	VV	333	3793	0.06%	0.003%
165	11.477	11.460	11.519	VV	415	10036	0.15%	0.009%
166	11.556	11.519	11.602	VV	414	11078	0.16%	0.010%
167	11.609	11.602	11.618	VV	109	953	0.01%	0.001%
168	11.752	11.618	11.781	VV	588	31644	0.47%	0.028%
169	11.800	11.781	11.831	VV	366	7504	0.11%	0.007%
170	11.848	11.831	11.864	VV	282	4549	0.07%	0.004%
171	11.893	11.864	11.938	VV	424	11070	0.16%	0.010%
172	11.973	11.938	12.009	VV	753	21641	0.32%	0.019%
173	12.030	12.009	12.052	VV	621	10594	0.16%	0.009%
174	12.070	12.052	12.085	VV	610	9008	0.13%	0.008%
175	12.093	12.085	12.132	VV	338	6661	0.10%	0.006%
176	12.222	12.132	12.245	VV	1915	41265	0.61%	0.036%
177	12.260	12.245	12.302	VV	961	14054	0.21%	0.012%
178	12.336	12.302	12.359	VV	1377	18443	0.27%	0.016%
179	12.400	12.359	12.498	VV	550415	6748141	100.00%	5.912%
180	12.508	12.498	12.628	VV	306	11917	0.18%	0.010%
181	12.653	12.628	12.664	PV	184	2976	0.04%	0.003%
182	12.672	12.664	12.738	VV	191	5818	0.09%	0.005%
183	12.839	12.738	12.931	VV	286432	3481931	51.60%	3.050%
184	12.953	12.931	12.969	VV	428	8655	0.13%	0.008%
185	13.010	12.969	13.178	VV	526070	6448726	95.56%	5.649%
186	13.208	13.178	13.240	VV	376	10702	0.16%	0.009%
187	13.283	13.240	13.324	VV	471	15893	0.24%	0.014%
188	13.347	13.324	13.364	VV	296	5459	0.08%	0.005%
189	13.384	13.364	13.407	VV	696	11042	0.16%	0.010%
190	13.435	13.407	13.484	VV	1046	21956	0.33%	0.019%
191	13.498	13.484	13.513	VV	276	3937	0.06%	0.003%
192	13.539	13.513	13.556	VV	1419	19411	0.29%	0.017%
193	13.596	13.556	13.688	VV	513366	6381544	94.57%	5.590%
194	13.698	13.688	13.705	VV	257	2361	0.03%	0.002%

rteres

195	13.715	13.705	13.750	VV	301	5196	0.08%	0.005%
196	13.769	13.750	13.791	VV	195	3768	0.06%	0.003%
197	13.806	13.791	13.833	VV	207	4647	0.07%	0.004%
198	13.847	13.833	13.861	VV	198	2753	0.04%	0.002%
199	13.865	13.861	13.908	VV	163	3524	0.05%	0.003%
200	13.930	13.908	13.969	VV	201	4815	0.07%	0.004%
201	13.977	13.969	13.987	VV	121	1041	0.02%	0.001%
202	14.030	13.987	14.108	VV	938	23520	0.35%	0.021%
203	14.119	14.108	14.130	VV	191	1931	0.03%	0.002%
204	14.153	14.130	14.198	VV	516	10405	0.15%	0.009%
205	14.297	14.198	14.368	VV	343	24148	0.36%	0.021%
206	14.397	14.368	14.424	VV	347	8382	0.12%	0.007%
207	14.462	14.424	14.489	VV	351	9124	0.14%	0.008%
208	14.504	14.489	14.521	VV	310	4445	0.07%	0.004%
209	14.545	14.521	14.574	VV	400	7327	0.11%	0.006%
210	14.594	14.574	14.611	VV	242	4170	0.06%	0.004%
211	14.648	14.611	14.657	VV	1188	15313	0.23%	0.013%
212	14.697	14.657	14.824	VV	489965	6246308	92.56%	5.472%
213	14.833	14.824	14.849	VV	140	1753	0.03%	0.002%
214	14.862	14.849	14.922	VV	195	6292	0.09%	0.006%
215	14.930	14.922	14.994	VV	168	4066	0.06%	0.004%
216	15.001	14.994	15.014	VV	75	973	0.01%	0.001%
217	15.024	15.014	15.065	VV	107	2267	0.03%	0.002%
218	15.075	15.065	15.090	VV	130	1445	0.02%	0.001%
219	15.122	15.090	15.136	VV	168	3329	0.05%	0.003%
220	15.212	15.136	15.294	VV	1180	24519	0.36%	0.021%
221	15.354	15.294	15.378	PV	196	5498	0.08%	0.005%
222	15.392	15.378	15.402	VV	164	2044	0.03%	0.002%
223	15.411	15.402	15.468	VV	199	5159	0.08%	0.005%
224	15.567	15.468	15.594	VV	304	13518	0.20%	0.012%
225	15.602	15.594	15.638	VV	178	2874	0.04%	0.003%
226	15.715	15.638	15.874	VV	453709	6127369	90.80%	5.368%
227	15.896	15.874	15.998	VV	161	4903	0.07%	0.004%
228	16.034	15.998	16.058	VV	154	2482	0.04%	0.002%
229	16.065	16.058	16.082	VV	94	878	0.01%	0.001%
230	16.105	16.082	16.141	PV	121	2159	0.03%	0.002%
231	16.159	16.141	16.168	VV	188	1698	0.03%	0.001%
232	16.194	16.168	16.254	VV	1679	25892	0.38%	0.023%
233	16.271	16.254	16.306	VV	270	3955	0.06%	0.003%
234	16.317	16.306	16.331	VV	96	762	0.01%	0.001%
235	16.358	16.331	16.374	VV	229	3509	0.05%	0.003%
236	16.390	16.374	16.434	VV	143	5100	0.08%	0.004%
237	16.442	16.434	16.466	VV	174	2263	0.03%	0.002%
238	16.501	16.466	16.518	VV	188	3685	0.05%	0.003%
239	16.545	16.518	16.598	VV	425	13351	0.20%	0.012%
240	16.664	16.598	16.734	VV	424710	6019424	89.20%	5.273%
241	16.745	16.734	16.788	VV	326	7647	0.11%	0.007%
242	16.795	16.788	16.852	VV	202	4824	0.07%	0.004%
243	16.867	16.852	16.916	VV	103	2253	0.03%	0.002%
244	16.922	16.916	16.927	VV	71	350	0.01%	0.000%
245	16.955	16.927	16.978	VV	290	4629	0.07%	0.004%
246	17.010	16.978	17.028	VV	202	3878	0.06%	0.003%

rteres

247	17.041	17.028	17.068	VV	173	2364	0.04%	0.002%
248	17.111	17.068	17.174	VV	2404	39025	0.58%	0.034%
249	17.336	17.174	17.368	PV	275	20619	0.31%	0.018%
250	17.387	17.368	17.401	VV	272	3524	0.05%	0.003%
251	17.437	17.401	17.475	VV	4691	71943	1.07%	0.063%
252	17.551	17.475	17.619	VV	449116	6077453	90.06%	5.324%
253	17.641	17.619	17.662	VV	447	9996	0.15%	0.009%
254	17.672	17.662	17.714	VV	282	6932	0.10%	0.006%
255	17.731	17.714	17.774	VV	226	3697	0.05%	0.003%
256	17.826	17.774	17.890	PV	320	10337	0.15%	0.009%
257	17.898	17.890	17.906	VV	120	576	0.01%	0.001%
258	17.968	17.906	18.008	PV	3186	48425	0.72%	0.042%
259	18.055	18.008	18.076	VV	133	3080	0.05%	0.003%
260	18.234	18.076	18.250	VV	270	7745	0.11%	0.007%
261	18.266	18.250	18.313	VV	261	4615	0.07%	0.004%
262	18.382	18.313	18.454	PV	413964	6001712	88.94%	5.258%
263	18.507	18.454	18.521	VV	208	5479	0.08%	0.005%
264	18.537	18.521	18.564	VV	182	3281	0.05%	0.003%
265	18.592	18.564	18.604	VV	185	2248	0.03%	0.002%
266	18.633	18.604	18.654	VV	166	3189	0.05%	0.003%
267	18.685	18.654	18.696	VV	99	1632	0.02%	0.001%
268	18.775	18.696	18.808	PV	2910	42936	0.64%	0.038%
269	18.834	18.808	18.874	VV	109	2129	0.03%	0.002%
270	18.961	18.874	18.988	PV	189	6398	0.09%	0.006%
271	19.089	18.988	19.101	VV	250	10181	0.15%	0.009%
272	19.164	19.101	19.253	VV	397589	5928806	87.86%	5.194%
273	19.268	19.253	19.291	VV	393	7503	0.11%	0.007%
274	19.321	19.291	19.364	VV	466	15140	0.22%	0.013%
275	19.471	19.364	19.497	VV	555	31946	0.47%	0.028%
276	19.533	19.497	19.581	VV	1963	43177	0.64%	0.038%
277	19.803	19.581	19.834	VV	1730	120045	1.78%	0.105%
278	19.904	19.834	20.010	VV	361310	5791003	85.82%	5.073%
279	20.021	20.010	20.031	VV	1425	16738	0.25%	0.015%
280	20.255	20.031	20.298	VV	3227	276042	4.09%	0.242%
281	20.431	20.298	20.461	VV	2745	223985	3.32%	0.196%
282	20.475	20.461	20.491	VV	2507	44379	0.66%	0.039%
283	20.616	20.491	20.758	VV	321083	5896031	87.37%	5.165%
284	20.774	20.758	20.812	VV	2369	74617	1.11%	0.065%
285	20.819	20.812	20.828	VV	2218	20610	0.31%	0.018%
286	20.937	20.828	20.968	VV	2225	179546	2.66%	0.157%
287	21.009	20.968	21.049	VV	2645	108714	1.61%	0.095%
288	21.056	21.049	21.072	VV	1873	25754	0.38%	0.023%
289	21.285	21.072	21.298	VV	1863	243309	3.61%	0.213%
290	21.308	21.298	21.320	VV	1825	23251	0.34%	0.020%
291	21.352	21.320	21.361	VV	1736	41635	0.62%	0.036%
292	21.370	21.361	21.381	VV	1619	19867	0.29%	0.017%
293	21.388	21.381	21.395	VV	1626	13279	0.20%	0.012%
294	21.472	21.395	21.628	VV	232470	5539153	82.08%	4.853%
295	21.639	21.628	21.651	VV	1287	17310	0.26%	0.015%
296	21.670	21.651	21.690	VV	1291	28053	0.42%	0.025%
297	21.709	21.690	21.737	VV	1183	31107	0.46%	0.027%
298	21.772	21.737	21.878	VV	1053	77020	1.14%	0.067%
299	21.901	21.878	21.915	VV	749	15281	0.23%	0.013%

rteres

300	21.922	21.915	21.931	VV	654	5922	0.09%	0.005%
301	21.973	21.931	22.041	VV	779	39999	0.59%	0.035%
302	22.055	22.041	22.083	VV	455	8809	0.13%	0.008%
303	22.094	22.083	22.104	VV	307	3505	0.05%	0.003%
304	22.113	22.104	22.147	VV	325	5060	0.07%	0.004%
305	22.162	22.147	22.181	VV	91	1266	0.02%	0.001%

Sum of corrected areas: 114150106

Aliphatic EPH 021125.M Sat Mar 01 01:30:47 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049142.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 18:56
Operator : YP/AJ
Sample : Q1421-02
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
P001-CLAY-CF01-01MS

Integration File: autoint1.e
Quant Time: Mar 01 02:21:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.352	8441841	58.989 ug/ml
	Spiked Amount 50.000		Recovery = 117.98%	
6)	S 2-Flurobiphenyl (SURR)	8.203	5467908	62.198 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 124.40%	
11)	S ortho-Terphenyl (SURR)	11.234	5392113	33.331 ug/ml
	Spiked Amount 50.000		Recovery = 66.66%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.176	7161833	44.971 ug/ml
2)	T Naphthalene (C11.7)	5.693	7880512	49.629 ug/ml
3)	T 2-Methylnaphthalene (...	6.739	7723846	49.609 ug/ml
5)	T Acenaphthylene (C15.06)	8.005	9044713	55.624 ug/ml
7)	T Acenaphthene (C15.5)	8.300	9678387	58.832 ug/ml
8)	T Flouorene (C16.55)	9.079	9845850	62.454 ug/ml
9)	T Phenanthrene (C19.36)	10.468	10158364	67.407 ug/ml
10)	T Anthracene (C19.43)	10.543	10371977	68.676 ug/ml
12)	T Fluoranthene (C21.85)	12.273	10603708	68.715 ug/ml
13)	T Pyrene (C20.8)	12.566	10302701	66.875 ug/ml
14)	T Benzo[a]anthracene (C...	14.438	9819357	74.734 ug/ml
15)	T Chrysene (C27.41)	14.480	9593320	59.333 ug/ml
16)	T benzo[b]fluoranthene ...	15.988	9767406	70.987 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.023	9783217	61.942 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.364	9405556	69.293 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.734	9336608	85.440 ug/ml
20)	T Dibenz[a,h]anthracene...	17.769	9340051	60.204 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.986	9206882	63.517 ug/ml

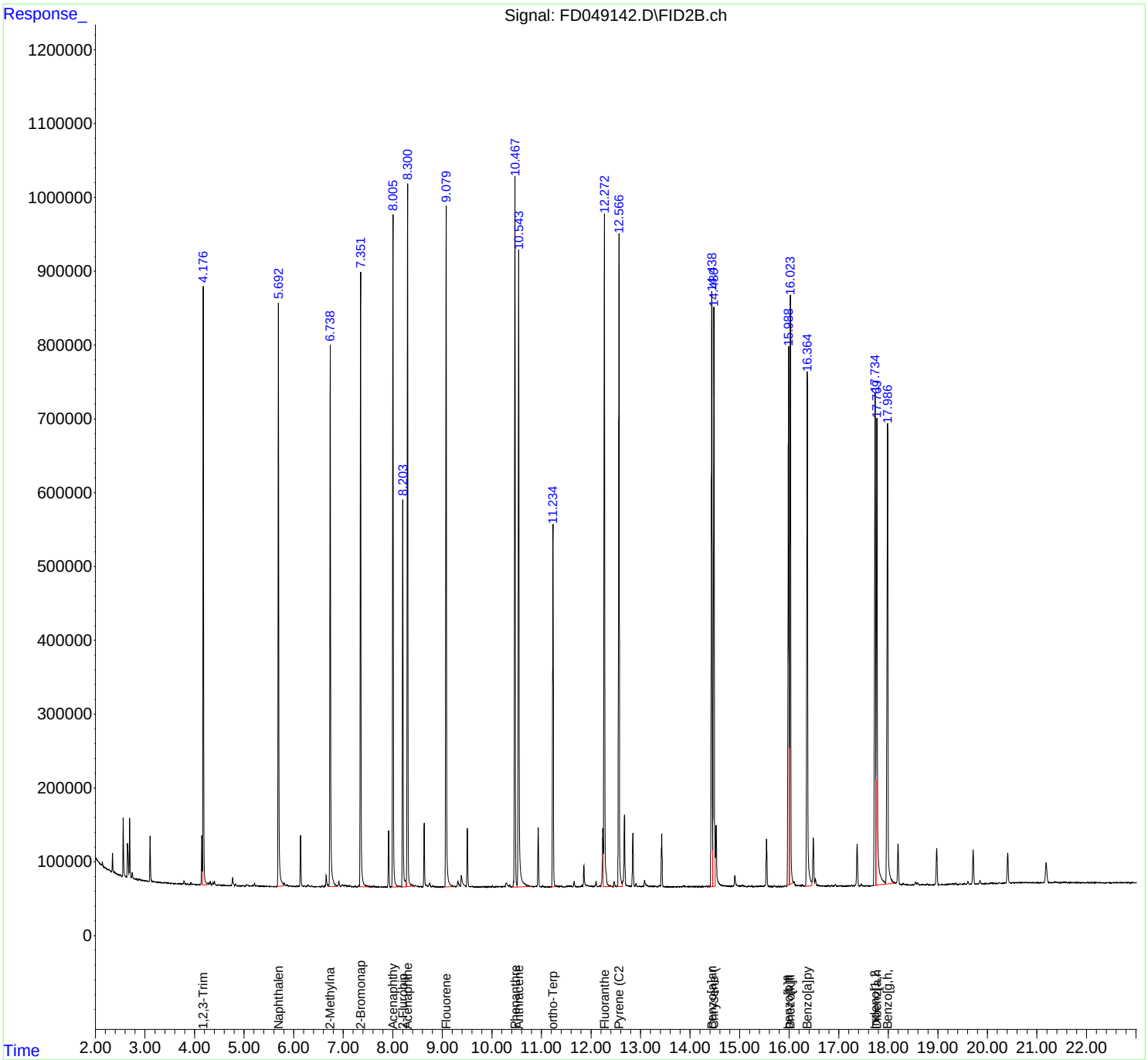
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049142.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 18:56
Operator : YP/AJ
Sample : Q1421-02
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
P001-CLAY-CF01-01MS

Integration File: autoint1.e
Quant Time: Mar 01 02:21:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049142.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 18:56
Sample : Q1421-02
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.051	4.042	4.074	BV	200	1949	0.02%	0.001%
2	4.097	4.086	4.101	VV	287	1757	0.02%	0.001%
3	4.106	4.101	4.125	VV	245	2635	0.02%	0.001%
4	4.147	4.125	4.159	VV	66954	606704	5.69%	0.288%
5	4.176	4.159	4.249	VV	809194	7172085	67.25%	3.409%
6	4.264	4.249	4.283	VV	2629	44609	0.42%	0.021%
7	4.316	4.283	4.355	VV	4818	102157	0.96%	0.049%
8	4.372	4.355	4.386	VV	3899	44061	0.41%	0.021%
9	4.402	4.386	4.451	VV	5595	77864	0.73%	0.037%
10	4.461	4.451	4.466	VV	476	3666	0.03%	0.002%
11	4.473	4.466	4.479	VV	549	3174	0.03%	0.002%
12	4.489	4.479	4.505	VV	815	9833	0.09%	0.005%
13	4.515	4.505	4.537	VV	940	10614	0.10%	0.005%
14	4.544	4.537	4.550	VV	343	2200	0.02%	0.001%
15	4.554	4.550	4.570	VV	319	3383	0.03%	0.002%
16	4.582	4.570	4.596	VV	709	7747	0.07%	0.004%
17	4.601	4.596	4.629	VV	492	6562	0.06%	0.003%
18	4.632	4.629	4.644	VV	227	1270	0.01%	0.001%
19	4.689	4.644	4.704	PV	686	10067	0.09%	0.005%
20	4.708	4.704	4.724	VV	421	4004	0.04%	0.002%
21	4.769	4.724	4.814	VV	10740	161309	1.51%	0.077%
22	4.828	4.814	4.879	VV	2485	35628	0.33%	0.017%
23	4.884	4.879	4.893	VV	296	1516	0.01%	0.001%
24	4.902	4.893	4.918	VV	372	3335	0.03%	0.002%
25	4.933	4.918	4.947	VV	401	4801	0.05%	0.002%
26	4.966	4.947	5.015	VV	658	12165	0.11%	0.006%
27	5.048	5.015	5.110	VV	1751	54701	0.51%	0.026%
28	5.118	5.110	5.124	VV	639	5121	0.05%	0.002%
29	5.137	5.124	5.159	VV	830	11050	0.10%	0.005%
30	5.178	5.159	5.195	VV	1661	23212	0.22%	0.011%
31	5.211	5.195	5.254	VV	3925	52356	0.49%	0.025%
32	5.270	5.254	5.324	VV	1122	20499	0.19%	0.010%
33	5.337	5.324	5.349	VV	519	6461	0.06%	0.003%
34	5.353	5.349	5.376	VV	487	4742	0.04%	0.002%
35	5.383	5.376	5.392	VV	292	1658	0.02%	0.001%
36	5.416	5.407	5.422	VV	300	1542	0.01%	0.001%

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37	5.459	5.442	5.504	VV	623	9027	0.08%	0.004%
38	5.518	5.504	5.538	PV	410	5182	0.05%	0.002%
39	5.549	5.538	5.559	VV	189	1550	0.01%	0.001%
40	5.565	5.559	5.603	PV	240	3982	0.04%	0.002%
41	5.612	5.603	5.619	VV	211	1351	0.01%	0.001%
42	5.631	5.624	5.642	VV	181	1272	0.01%	0.001%
43	5.693	5.668	5.797	VV	793145	7931134	74.36%	3.770%
44	5.811	5.797	5.854	VV	4295	93483	0.88%	0.044%
45	5.869	5.854	5.909	VV	2478	48819	0.46%	0.023%
46	5.935	5.909	5.989	VV	1373	40532	0.38%	0.019%
47	6.002	5.989	6.017	VV	597	7544	0.07%	0.004%
48	6.023	6.017	6.045	VV	453	5914	0.06%	0.003%
49	6.063	6.045	6.105	VV	735	19006	0.18%	0.009%
50	6.112	6.105	6.117	VV	542	3388	0.03%	0.002%
51	6.140	6.117	6.200	VV	69527	744439	6.98%	0.354%
52	6.221	6.200	6.242	VV	1744	23671	0.22%	0.011%
53	6.261	6.242	6.275	VV	1241	13623	0.13%	0.006%
54	6.291	6.275	6.310	VV	3148	36237	0.34%	0.017%
55	6.322	6.310	6.345	VV	898	11995	0.11%	0.006%
56	6.362	6.345	6.392	VV	1662	18852	0.18%	0.009%
57	6.399	6.392	6.407	VV	246	1640	0.02%	0.001%
58	6.412	6.407	6.436	VV	249	2069	0.02%	0.001%
59	6.471	6.436	6.494	PV	335	6665	0.06%	0.003%
60	6.506	6.494	6.510	VV	295	1869	0.02%	0.001%
61	6.515	6.510	6.539	VV	325	3837	0.04%	0.002%
62	6.577	6.547	6.601	VV	1688	20132	0.19%	0.010%
63	6.631	6.601	6.642	VV	1678	22082	0.21%	0.010%
64	6.658	6.642	6.694	VV	16123	203178	1.91%	0.097%
65	6.702	6.694	6.710	VV	2044	17501	0.16%	0.008%
66	6.739	6.710	6.873	VV	733466	7782063	72.97%	3.699%
67	6.879	6.873	6.886	VV	1511	11215	0.11%	0.005%
68	6.913	6.886	6.957	VV	8088	122141	1.15%	0.058%
69	6.989	6.957	7.010	VV	3353	71321	0.67%	0.034%
70	7.024	7.010	7.030	VV	2196	23196	0.22%	0.011%
71	7.041	7.030	7.052	VV	2222	26499	0.25%	0.013%
72	7.059	7.052	7.081	VV	2270	28270	0.27%	0.013%
73	7.088	7.081	7.094	VV	1071	6659	0.06%	0.003%
74	7.115	7.094	7.132	VV	1781	27765	0.26%	0.013%
75	7.145	7.132	7.170	VV	1979	26742	0.25%	0.013%
76	7.174	7.170	7.180	VV	411	2111	0.02%	0.001%
77	7.185	7.180	7.209	VV	561	6818	0.06%	0.003%
78	7.230	7.209	7.247	VV	1002	14943	0.14%	0.007%
79	7.253	7.247	7.292	VV	587	10829	0.10%	0.005%
80	7.315	7.292	7.327	VV	2494	27722	0.26%	0.013%
81	7.352	7.327	7.477	VV	832219	8468199	79.40%	4.025%
82	7.480	7.477	7.497	VV	1490	15443	0.14%	0.007%
83	7.510	7.497	7.530	VV	1172	19450	0.18%	0.009%
84	7.538	7.530	7.562	VV	805	12286	0.12%	0.006%
85	7.579	7.562	7.604	VV	862	14891	0.14%	0.007%
86	7.623	7.604	7.649	VV	1713	22247	0.21%	0.011%
87	7.656	7.649	7.665	VV	377	2873	0.03%	0.001%
88	7.677	7.665	7.692	VV	562	5658	0.05%	0.003%
89	7.710	7.692	7.737	VV	743	11487	0.11%	0.005%

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90	7.747	7.737	7.770	VV	346	4571	0.04%	0.002%
91	7.775	7.770	7.794	VV	370	2870	0.03%	0.001%
92	7.830	7.794	7.841	PV	493	7795	0.07%	0.004%
93	7.845	7.841	7.849	VV	322	1291	0.01%	0.001%
94	7.853	7.849	7.866	VV	272	2010	0.02%	0.001%
95	7.874	7.866	7.890	VV	319	2466	0.02%	0.001%
96	7.918	7.890	7.966	VV	76664	801713	7.52%	0.381%
97	7.972	7.966	7.978	VV	522	2714	0.03%	0.001%
98	8.005	7.978	8.095	VV	911037	9055813	84.91%	4.304%
99	8.114	8.095	8.133	VV	1822	31019	0.29%	0.015%
100	8.147	8.133	8.173	VV	1454	22842	0.21%	0.011%
101	8.203	8.173	8.272	VV	526994	5494210	51.51%	2.612%
102	8.300	8.272	8.367	VV	953439	9682877	90.79%	4.603%
103	8.375	8.367	8.398	VV	3452	54189	0.51%	0.026%
104	8.409	8.398	8.421	VV	2278	28942	0.27%	0.014%
105	8.426	8.421	8.439	VV	2045	19416	0.18%	0.009%
106	8.458	8.439	8.498	VV	2637	62203	0.58%	0.030%
107	8.514	8.498	8.545	VV	1431	24037	0.23%	0.011%
108	8.569	8.545	8.600	VV	1240	25005	0.23%	0.012%
109	8.635	8.600	8.713	VV	86818	934105	8.76%	0.444%
110	8.746	8.713	8.787	VV	5720	112882	1.06%	0.054%
111	8.820	8.787	8.850	VV	1900	37177	0.35%	0.018%
112	8.870	8.850	8.901	VV	879	12718	0.12%	0.006%
113	8.945	8.901	8.952	VV	570	10933	0.10%	0.005%
114	8.957	8.952	8.962	VV	501	2561	0.02%	0.001%
115	8.977	8.962	8.993	VV	555	6632	0.06%	0.003%
116	9.018	8.993	9.030	PV	873	10350	0.10%	0.005%
117	9.033	9.030	9.052	VV	664	6407	0.06%	0.003%
118	9.079	9.052	9.218	VV	919552	9905080	92.87%	4.708%
119	9.238	9.218	9.257	VV	1598	29835	0.28%	0.014%
120	9.262	9.257	9.274	VV	878	7981	0.07%	0.004%
121	9.314	9.274	9.369	VV	8290	185349	1.74%	0.088%
122	9.385	9.369	9.480	VV	15834	371651	3.48%	0.177%
123	9.506	9.480	9.558	VV	79885	884992	8.30%	0.421%
124	9.592	9.558	9.635	VV	994	34197	0.32%	0.016%
125	9.655	9.635	9.670	VV	484	7859	0.07%	0.004%
126	9.686	9.670	9.714	VV	420	6043	0.06%	0.003%
127	9.762	9.714	9.769	PV	438	4785	0.04%	0.002%
128	9.777	9.769	9.790	VV	456	4352	0.04%	0.002%
129	9.822	9.790	9.843	VV	1018	17425	0.16%	0.008%
130	9.858	9.843	9.867	VV	473	5264	0.05%	0.003%
131	9.882	9.867	9.888	VV	601	6706	0.06%	0.003%
132	9.894	9.888	9.919	VV	854	11228	0.11%	0.005%
133	9.934	9.919	9.957	VV	927	14006	0.13%	0.007%
134	9.967	9.957	9.974	VV	591	4945	0.05%	0.002%
135	9.978	9.974	9.990	VV	561	4749	0.04%	0.002%
136	10.010	9.990	10.042	VV	1696	22351	0.21%	0.011%
137	10.051	10.042	10.057	VV	344	1640	0.02%	0.001%
138	10.101	10.057	10.114	VV	1033	17019	0.16%	0.008%
139	10.131	10.114	10.157	VV	859	14601	0.14%	0.007%
140	10.182	10.157	10.204	VV	920	16808	0.16%	0.008%
141	10.237	10.204	10.248	VV	1208	19381	0.18%	0.009%

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142	10.253	10.248	10.271	VV	1291	12598	0.12%	0.006%
143	10.288	10.271	10.297	VV	5325	57446	0.54%	0.027%
144	10.301	10.297	10.344	VV	5071	85103	0.80%	0.040%
145	10.363	10.344	10.394	VV	2702	42527	0.40%	0.020%
146	10.402	10.394	10.415	VV	453	4799	0.04%	0.002%
147	10.468	10.415	10.513	VV	959109	10175341	95.41%	4.837%
148	10.543	10.513	10.650	VV	865227	10276064	96.35%	4.884%
149	10.655	10.650	10.783	VV	5325	192747	1.81%	0.092%
150	10.801	10.783	10.808	VV	960	13324	0.12%	0.006%
151	10.815	10.808	10.840	VV	921	14729	0.14%	0.007%
152	10.846	10.840	10.853	VV	680	4871	0.05%	0.002%
153	10.874	10.853	10.888	VV	1240	21058	0.20%	0.010%
154	10.892	10.888	10.906	VV	1241	12913	0.12%	0.006%
155	10.937	10.906	10.978	VV	80624	916417	8.59%	0.436%
156	10.987	10.978	10.995	VV	935	8441	0.08%	0.004%
157	11.027	10.995	11.055	VV	1374	32725	0.31%	0.016%
158	11.061	11.055	11.082	VV	517	6492	0.06%	0.003%
159	11.084	11.082	11.089	VV	468	1545	0.01%	0.001%
160	11.091	11.089	11.097	VV	452	1825	0.02%	0.001%
161	11.101	11.097	11.105	VV	283	1124	0.01%	0.001%
162	11.122	11.105	11.127	VV	450	3943	0.04%	0.002%
163	11.146	11.127	11.152	VV	468	5580	0.05%	0.003%
164	11.157	11.152	11.202	VV	450	5023	0.05%	0.002%
165	11.234	11.202	11.308	PV	491209	5436431	50.97%	2.584%
166	11.320	11.308	11.335	VV	1361	18120	0.17%	0.009%
167	11.338	11.335	11.363	VV	856	12192	0.11%	0.006%
168	11.375	11.363	11.385	VV	1117	11249	0.11%	0.005%
169	11.407	11.385	11.444	VV	1757	28183	0.26%	0.013%
170	11.461	11.444	11.481	VV	369	5860	0.05%	0.003%
171	11.510	11.481	11.522	VV	1254	22960	0.22%	0.011%
172	11.532	11.522	11.549	VV	1360	17580	0.16%	0.008%
173	11.561	11.549	11.577	VV	1365	19769	0.19%	0.009%
174	11.593	11.577	11.615	VV	1474	25919	0.24%	0.012%
175	11.618	11.615	11.625	VV	818	4558	0.04%	0.002%
176	11.629	11.625	11.635	VV	904	4702	0.04%	0.002%
177	11.662	11.635	11.696	VV	7388	104342	0.98%	0.050%
178	11.702	11.696	11.718	VV	752	7375	0.07%	0.004%
179	11.737	11.718	11.750	VV	887	14523	0.14%	0.007%
180	11.760	11.750	11.775	VV	894	9693	0.09%	0.005%
181	11.815	11.775	11.836	VV	2082	42497	0.40%	0.020%
182	11.857	11.836	11.923	VV	28885	405403	3.80%	0.193%
183	11.932	11.923	11.959	VV	1958	32662	0.31%	0.016%
184	11.976	11.959	11.993	VV	1482	25899	0.24%	0.012%
185	12.015	11.993	12.040	VV	1390	29080	0.27%	0.014%
186	12.103	12.040	12.135	VV	7321	134707	1.26%	0.064%
187	12.144	12.135	12.158	VV	828	9196	0.09%	0.004%
188	12.178	12.158	12.197	VV	2181	30313	0.28%	0.014%
189	12.239	12.197	12.248	VV	79220	875296	8.21%	0.416%
190	12.273	12.248	12.427	VV	912682	10665336	100.00%	5.070%
191	12.436	12.427	12.450	VV	817	9715	0.09%	0.005%
192	12.467	12.450	12.507	VV	7234	99938	0.94%	0.048%
193	12.513	12.507	12.527	VV	893	8905	0.08%	0.004%
194	12.566	12.527	12.630	VV	887669	10352709	97.07%	4.921%

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195	12.647	12.630	12.651	VV	8220	86525	0.81%	0.041%
196	12.676	12.651	12.724	VV	97675	1268327	11.89%	0.603%
197	12.726	12.724	12.778	VV	2129	48686	0.46%	0.023%
198	12.783	12.778	12.791	VV	1161	8032	0.08%	0.004%
199	12.801	12.791	12.807	VV	988	8990	0.08%	0.004%
200	12.812	12.807	12.817	VV	948	5699	0.05%	0.003%
201	12.846	12.817	12.887	VV	72685	878950	8.24%	0.418%
202	12.910	12.887	12.944	VV	4655	74190	0.70%	0.035%
203	12.965	12.944	12.972	VV	860	12682	0.12%	0.006%
204	12.989	12.972	13.017	VV	921	20436	0.19%	0.010%
205	13.038	13.017	13.065	VV	1218	27663	0.26%	0.013%
206	13.084	13.065	13.170	VV	9050	195629	1.83%	0.093%
207	13.175	13.170	13.193	VV	1156	13485	0.13%	0.006%
208	13.200	13.193	13.210	VV	910	8136	0.08%	0.004%
209	13.224	13.210	13.229	VV	909	8915	0.08%	0.004%
210	13.235	13.229	13.243	VV	806	6098	0.06%	0.003%
211	13.262	13.243	13.284	VV	975	20576	0.19%	0.010%
212	13.296	13.284	13.324	VV	1002	17856	0.17%	0.008%
213	13.327	13.324	13.349	VV	652	8655	0.08%	0.004%
214	13.384	13.349	13.402	VV	2352	44085	0.41%	0.021%
215	13.428	13.402	13.475	VV	71602	872259	8.18%	0.415%
216	13.479	13.475	13.482	VV	640	2234	0.02%	0.001%
217	13.487	13.482	13.512	VV	631	7759	0.07%	0.004%
218	13.535	13.512	13.544	VV	483	5924	0.06%	0.003%
219	13.548	13.544	13.577	VV	297	4546	0.04%	0.002%
220	13.580	13.577	13.594	VV	195	1378	0.01%	0.001%
221	13.597	13.594	13.617	VV	126	1127	0.01%	0.001%
222	13.621	13.617	13.636	PV	156	1184	0.01%	0.001%
223	13.642	13.636	13.655	VV	295	2314	0.02%	0.001%
224	13.657	13.655	13.667	VV	320	1227	0.01%	0.001%
225	13.688	13.667	13.707	VV	385	6584	0.06%	0.003%
226	13.713	13.707	13.720	VV	375	2065	0.02%	0.001%
227	13.760	13.720	13.776	VV	463	9273	0.09%	0.004%
228	13.788	13.776	13.796	VV	381	2968	0.03%	0.001%
229	13.801	13.796	13.807	VV	365	1749	0.02%	0.001%
230	13.811	13.807	13.815	VV	367	1539	0.01%	0.001%
231	13.826	13.815	13.837	VV	587	6565	0.06%	0.003%
232	13.869	13.837	13.902	VV	1878	36177	0.34%	0.017%
233	13.908	13.902	13.915	VV	485	3250	0.03%	0.002%
234	13.919	13.915	13.934	VV	438	3758	0.04%	0.002%
235	13.940	13.934	14.012	VV	382	17155	0.16%	0.008%
236	14.033	14.012	14.052	VV	432	7333	0.07%	0.003%
237	14.067	14.052	14.078	VV	447	5509	0.05%	0.003%
238	14.085	14.078	14.105	VV	619	7334	0.07%	0.003%
239	14.111	14.105	14.117	VV	559	3365	0.03%	0.002%
240	14.132	14.117	14.137	VV	690	6708	0.06%	0.003%
241	14.156	14.137	14.164	VV	674	8016	0.08%	0.004%
242	14.167	14.164	14.173	VV	406	1856	0.02%	0.001%
243	14.194	14.173	14.214	VV	474	9586	0.09%	0.005%
244	14.222	14.214	14.229	VV	520	3538	0.03%	0.002%
245	14.235	14.229	14.239	VV	416	2379	0.02%	0.001%
246	14.243	14.239	14.262	VV	488	4644	0.04%	0.002%

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247	14.287	14.262	14.294	VV	690	8547	0.08%	0.004%
248	14.300	14.294	14.309	VV	727	5752	0.05%	0.003%
249	14.315	14.309	14.321	VV	704	4011	0.04%	0.002%
250	14.326	14.321	14.332	VV	663	3639	0.03%	0.002%
251	14.338	14.332	14.359	VV	805	7951	0.07%	0.004%
252	14.374	14.359	14.379	VV	710	6675	0.06%	0.003%
253	14.382	14.379	14.402	VV	625	6411	0.06%	0.003%
254	14.438	14.402	14.456	VV	807419	9837573	92.24%	4.676%
255	14.480	14.456	14.507	VV	786236	9615926	90.16%	4.571%
256	14.525	14.507	14.674	VV	83192	1533940	14.38%	0.729%
257	14.698	14.674	14.727	VV	1824	47432	0.44%	0.023%
258	14.738	14.727	14.770	VV	1205	24157	0.23%	0.011%
259	14.773	14.770	14.790	VV	780	8300	0.08%	0.004%
260	14.807	14.790	14.817	VV	777	10555	0.10%	0.005%
261	14.834	14.817	14.843	VV	972	10798	0.10%	0.005%
262	14.849	14.843	14.863	VV	677	7364	0.07%	0.004%
263	14.903	14.863	14.970	VV	15235	283632	2.66%	0.135%
264	14.976	14.970	14.982	VV	1372	9086	0.09%	0.004%
265	14.990	14.982	15.016	VV	1529	22470	0.21%	0.011%
266	15.029	15.016	15.035	VV	942	9881	0.09%	0.005%
267	15.060	15.035	15.090	VV	2621	46533	0.44%	0.022%
268	15.105	15.090	15.122	VV	761	10668	0.10%	0.005%
269	15.125	15.122	15.156	VV	516	8200	0.08%	0.004%
270	15.169	15.156	15.175	VV	577	5206	0.05%	0.002%
271	15.178	15.175	15.202	VV	550	7725	0.07%	0.004%
272	15.208	15.202	15.214	VV	633	3812	0.04%	0.002%
273	15.242	15.214	15.257	VV	1191	20756	0.19%	0.010%
274	15.261	15.257	15.288	VV	705	8332	0.08%	0.004%
275	15.293	15.288	15.297	VV	285	1513	0.01%	0.001%
276	15.302	15.297	15.309	VV	502	2774	0.03%	0.001%
277	15.312	15.309	15.320	VV	416	2600	0.02%	0.001%
278	15.345	15.320	15.350	VV	781	10605	0.10%	0.005%
279	15.361	15.350	15.374	VV	760	9347	0.09%	0.004%
280	15.390	15.374	15.408	VV	821	13919	0.13%	0.007%
281	15.422	15.408	15.431	VV	867	10107	0.09%	0.005%
282	15.446	15.431	15.469	VV	885	16564	0.16%	0.008%
283	15.474	15.469	15.482	VV	578	4088	0.04%	0.002%
284	15.503	15.482	15.512	VV	1721	21554	0.20%	0.010%
285	15.542	15.512	15.578	VV	64394	815203	7.64%	0.387%
286	15.583	15.578	15.630	VV	917	17000	0.16%	0.008%
287	15.636	15.630	15.659	VV	238	2610	0.02%	0.001%
288	15.699	15.659	15.732	VV	1871	29386	0.28%	0.014%
289	15.737	15.732	15.742	VV	408	1762	0.02%	0.001%
290	15.749	15.742	15.784	VV	323	5502	0.05%	0.003%
291	15.794	15.784	15.799	VV	327	1956	0.02%	0.001%
292	15.806	15.799	15.834	VV	274	4040	0.04%	0.002%
293	15.854	15.834	15.867	VV	309	4156	0.04%	0.002%
294	15.915	15.878	15.950	PV	1664	34194	0.32%	0.016%
295	15.988	15.950	16.002	VV	733411	9839949	92.26%	4.677%
296	16.023	16.002	16.085	VV	801622	9987928	93.65%	4.748%
297	16.100	16.085	16.175	VV	6478	164447	1.54%	0.078%
298	16.209	16.175	16.220	VV	1580	39604	0.37%	0.019%
299	16.225	16.220	16.248	VV	1650	21318	0.20%	0.010%

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300	16.266	16.248	16.305	VV	2789	48714	0.46%	0.023%
301	16.312	16.305	16.325	VV	797	8447	0.08%	0.004%
302	16.364	16.325	16.457	VV	699804	9463870	88.73%	4.498%
303	16.485	16.457	16.512	VV	65754	958399	8.99%	0.456%
304	16.528	16.512	16.587	VV	10279	190737	1.79%	0.091%
305	16.590	16.587	16.630	VV	1305	23976	0.22%	0.011%
306	16.651	16.630	16.680	VV	986	21212	0.20%	0.010%
307	16.687	16.680	16.699	VV	651	6350	0.06%	0.003%
308	16.704	16.699	16.719	VV	793	7174	0.07%	0.003%
309	16.723	16.719	16.734	VV	417	3260	0.03%	0.002%
310	16.739	16.734	16.750	VV	392	3204	0.03%	0.002%
311	16.795	16.750	16.817	VV	1419	26779	0.25%	0.013%
312	16.822	16.817	16.829	VV	368	2250	0.02%	0.001%
313	16.856	16.829	16.890	VV	1073	24292	0.23%	0.012%
314	16.935	16.890	16.968	VV	2429	46569	0.44%	0.022%
315	16.975	16.968	16.989	VV	494	4292	0.04%	0.002%
316	16.991	16.989	16.998	VV	435	2048	0.02%	0.001%
317	17.025	16.998	17.052	VV	709	14835	0.14%	0.007%
318	17.064	17.052	17.077	VV	564	5942	0.06%	0.003%
319	17.082	17.077	17.135	VV	371	8045	0.08%	0.004%
320	17.175	17.135	17.200	VV	570	14076	0.13%	0.007%
321	17.218	17.200	17.227	VV	497	6399	0.06%	0.003%
322	17.232	17.227	17.237	VV	561	2755	0.03%	0.001%
323	17.257	17.237	17.285	VV	1124	19989	0.19%	0.010%
324	17.298	17.285	17.305	VV	671	6128	0.06%	0.003%
325	17.370	17.305	17.421	VV	57411	810224	7.60%	0.385%
326	17.426	17.421	17.432	VV	378	2214	0.02%	0.001%
327	17.456	17.432	17.486	VV	2731	41462	0.39%	0.020%
328	17.493	17.486	17.508	VV	465	5265	0.05%	0.003%
329	17.517	17.508	17.522	VV	461	3206	0.03%	0.002%
330	17.528	17.522	17.542	VV	408	4093	0.04%	0.002%
331	17.569	17.542	17.594	VV	464	9621	0.09%	0.005%
332	17.620	17.594	17.627	PV	226	3085	0.03%	0.001%
333	17.634	17.627	17.642	VV	131	1265	0.01%	0.001%
334	17.660	17.642	17.677	VV	626	7186	0.07%	0.003%
335	17.734	17.677	17.747	VV	669070	9359859	87.76%	4.449%
336	17.769	17.747	17.944	VV	632255	9475979	88.85%	4.504%
337	17.986	17.944	18.152	VV	628212	9464386	88.74%	4.499%
338	18.195	18.152	18.238	VV	55558	816334	7.65%	0.388%
339	18.241	18.238	18.280	VV	751	9095	0.09%	0.004%

Sum of corrected areas: 210382375

Aromatic EPH 021125.M Sat Mar 01 04:01:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068335.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 19:32
Operator : YP/AJ
Sample : Q1421-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-CLAY-CF01-01MSD

Integration File: autoint1.e
Quant Time: Mar 05 05:25:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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			
12) S	1-chlorooctadecane (S...	12.838	3629508	32.270 ug/ml
Spiked Amount	50.000		Recovery =	64.54%
	Target Compounds			
1) T	n-Nonane (C9)	3.205	3943747	28.034 ug/ml
2) T	n-Decane (C10)	4.261	4754624	33.561 ug/ml
4) T	n-Dodecane (C12)	6.270	5235120	37.192 ug/ml
6) T	n-Tetradecane (C14)	8.059	5850328	42.909 ug/ml
7) T	n-Hexadecane (C16)	9.655	6391300	46.664 ug/ml
8) T	n-Octadecane (C18)	11.093	6650779	48.632 ug/ml
10) T	n-Eicosane (C20)	12.400	6773133	51.986 ug/ml
11) T	n-Heneicosane (C21)	13.010	6452700	50.472 ug/ml
13) T	n-Docosane (C22)	13.595	6400679	50.788 ug/ml
14) T	n-Tetracosane (C24)	14.696	6277459	50.471 ug/ml
15) T	n-Hexacosane (C26)	15.715	6147591	50.559 ug/ml
16) T	n-Octacosane (C28)	16.664	5996760	50.492 ug/ml
17) T	n-Tricontane (C30)	17.551	6013877	49.963 ug/ml
18) T	n-Dotriacontane (C32)	18.382	5975842	51.486 ug/ml
19) T	n-Tetratriacontane (C34)	19.164	5937717	54.949 ug/ml
20) T	n-Hexatriacontane (C36)	19.904	5683975	59.104 ug/ml
21) T	n-Octatriacontane (C38)	20.616	5522915	61.436 ug/ml
22) T	n-Tetracontane (C40)	21.469	5359281	61.942 ug/ml

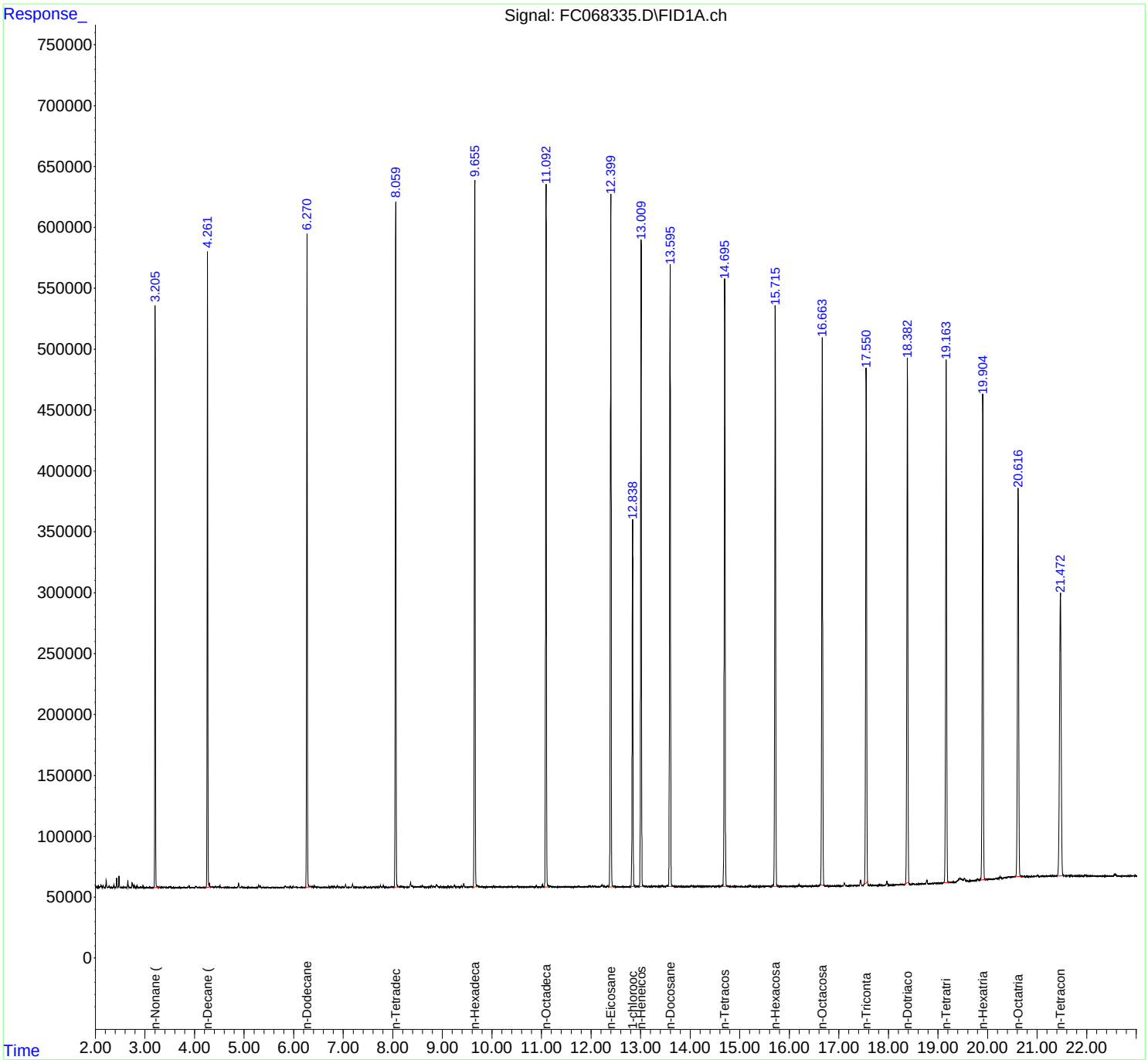
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC022825AL\
Data File : FC068335.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 19:32
Operator : YP/AJ
Sample : Q1421-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
P001-CLAY-CF01-01MSD

Integration File: autoint1.e
Quant Time: Mar 05 05:25:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Mar 05 03:08:52 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\FC022825AL\
Data File : FC068335.D
Signal(s) : FID1A.ch
Acq On : 28 Feb 2025 19:32
Sample : Q1421-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 021125.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	2.373	2.344	2.404	PV	2502	22211	0.33%	0.019%
2	2.429	2.404	2.453	VV	7877	67361	0.99%	0.058%
3	2.475	2.453	2.515	VV	9409	77635	1.14%	0.067%
4	2.525	2.515	2.536	VV	170	1245	0.02%	0.001%
5	2.557	2.536	2.575	PV	406	4865	0.07%	0.004%
6	2.591	2.575	2.624	VV	320	4153	0.06%	0.004%
7	2.653	2.624	2.716	VV	5738	54584	0.80%	0.047%
8	2.742	2.716	2.770	VV	3670	51262	0.75%	0.044%
9	2.786	2.770	2.819	VV	1528	16974	0.25%	0.015%
10	2.838	2.819	2.868	VV	1723	16588	0.24%	0.014%
11	2.917	2.868	2.944	VV	307	7449	0.11%	0.006%
12	2.960	2.944	3.006	VV	1641	15916	0.23%	0.014%
13	3.030	3.006	3.080	VV	276	5287	0.08%	0.005%
14	3.100	3.080	3.144	VV	212	3993	0.06%	0.003%
15	3.205	3.144	3.278	VV	474671	3957131	58.18%	3.433%
16	3.297	3.278	3.311	VV	378	5675	0.08%	0.005%
17	3.325	3.311	3.341	VV	402	5717	0.08%	0.005%
18	3.347	3.341	3.362	VV	269	3064	0.05%	0.003%
19	3.379	3.362	3.390	VV	341	4125	0.06%	0.004%
20	3.400	3.390	3.426	VV	265	4317	0.06%	0.004%
21	3.437	3.426	3.449	VV	243	2333	0.03%	0.002%
22	3.479	3.449	3.486	VV	429	6373	0.09%	0.006%
23	3.500	3.486	3.557	VV	642	13665	0.20%	0.012%
24	3.572	3.557	3.594	VV	260	3022	0.04%	0.003%
25	3.606	3.594	3.624	VV	188	2006	0.03%	0.002%
26	3.631	3.624	3.652	VV	188	1532	0.02%	0.001%
27	3.693	3.652	3.726	VV	330	6919	0.10%	0.006%
28	3.735	3.726	3.753	VV	129	1522	0.02%	0.001%
29	3.773	3.753	3.827	PV	316	5781	0.09%	0.005%
30	3.865	3.827	3.878	VV	528	7061	0.10%	0.006%
31	3.893	3.878	3.944	VV	949	12529	0.18%	0.011%
32	3.958	3.944	3.981	VV	257	2886	0.04%	0.003%
33	4.036	3.981	4.068	VV	924	19293	0.28%	0.017%
34	4.081	4.068	4.124	VV	267	5657	0.08%	0.005%
35	4.128	4.124	4.155	VV	116	1860	0.03%	0.002%
36	4.187	4.155	4.231	VV	184	6637	0.10%	0.006%

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37	4.261	4.231	4.289	VV	520982	4732885	69.59%	4.106%
38	4.300	4.289	4.346	VV	3590	48323	0.71%	0.042%
39	4.362	4.346	4.391	VV	749	14126	0.21%	0.012%
40	4.428	4.391	4.468	VV	1340	26822	0.39%	0.023%
41	4.483	4.468	4.497	VV	1118	12023	0.18%	0.010%
42	4.513	4.497	4.554	VV	1695	21407	0.31%	0.019%
43	4.578	4.554	4.611	VV	238	6809	0.10%	0.006%
44	4.615	4.611	4.621	VV	255	1175	0.02%	0.001%
45	4.633	4.621	4.652	VV	221	3729	0.05%	0.003%
46	4.674	4.652	4.690	VV	235	4007	0.06%	0.003%
47	4.723	4.690	4.761	VV	284	5991	0.09%	0.005%
48	4.810	4.761	4.840	VV	356	5885	0.09%	0.005%
49	4.890	4.840	4.922	VV	3510	46198	0.68%	0.040%
50	4.945	4.922	4.962	VV	661	8349	0.12%	0.007%
51	4.972	4.962	5.054	VV	290	5251	0.08%	0.005%
52	5.078	5.054	5.103	VV	162	2912	0.04%	0.003%
53	5.165	5.103	5.231	VV	223	8730	0.13%	0.008%
54	5.242	5.231	5.249	VV	121	700	0.01%	0.001%
55	5.291	5.249	5.311	VV	1788	20915	0.31%	0.018%
56	5.331	5.311	5.371	VV	1245	16633	0.24%	0.014%
57	5.388	5.371	5.435	VV	278	5352	0.08%	0.005%
58	5.473	5.435	5.499	VV	288	6297	0.09%	0.005%
59	5.535	5.499	5.554	VV	121	2147	0.03%	0.002%
60	5.572	5.554	5.611	PV	295	6050	0.09%	0.005%
61	5.621	5.611	5.647	VV	236	3400	0.05%	0.003%
62	5.660	5.647	5.691	VV	214	3348	0.05%	0.003%
63	5.698	5.691	5.724	VV	131	1437	0.02%	0.001%
64	5.744	5.724	5.778	PV	169	3011	0.04%	0.003%
65	5.793	5.778	5.804	VV	225	2519	0.04%	0.002%
66	5.831	5.804	5.865	VV	1155	23002	0.34%	0.020%
67	5.885	5.865	5.908	VV	585	8183	0.12%	0.007%
68	5.929	5.908	5.962	VV	1083	14937	0.22%	0.013%
69	5.990	5.962	6.033	VV	704	14474	0.21%	0.013%
70	6.060	6.033	6.098	VV	379	9625	0.14%	0.008%
71	6.107	6.098	6.134	VV	182	2833	0.04%	0.002%
72	6.155	6.134	6.172	VV	270	4197	0.06%	0.004%
73	6.190	6.172	6.211	VV	204	3469	0.05%	0.003%
74	6.270	6.211	6.334	VV	535855	5258275	77.32%	4.562%
75	6.351	6.334	6.371	VV	1065	17085	0.25%	0.015%
76	6.386	6.371	6.399	VV	729	9657	0.14%	0.008%
77	6.416	6.399	6.438	VV	1453	18789	0.28%	0.016%
78	6.449	6.438	6.470	VV	588	7170	0.11%	0.006%
79	6.488	6.470	6.571	VV	688	16097	0.24%	0.014%
80	6.585	6.571	6.614	VV	326	5691	0.08%	0.005%
81	6.629	6.614	6.638	VV	240	3112	0.05%	0.003%
82	6.655	6.638	6.688	VV	277	5352	0.08%	0.005%
83	6.709	6.688	6.738	VV	607	8549	0.13%	0.007%
84	6.761	6.738	6.798	VV	813	16805	0.25%	0.015%
85	6.824	6.798	6.848	VV	682	14119	0.21%	0.012%
86	6.887	6.848	6.915	VV	1123	19849	0.29%	0.017%
87	6.925	6.915	6.951	VV	352	4582	0.07%	0.004%
88	6.966	6.951	6.980	VV	305	3964	0.06%	0.003%
89	6.991	6.980	7.020	VV	276	4092	0.06%	0.004%

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90	7.047	7.020	7.078	VV	2375	26454	0.39%	0.023%
91	7.115	7.078	7.141	VV	367	8903	0.13%	0.008%
92	7.154	7.141	7.166	VV	441	4874	0.07%	0.004%
93	7.189	7.166	7.216	VV	2638	31866	0.47%	0.028%
94	7.224	7.216	7.234	VV	278	2586	0.04%	0.002%
95	7.250	7.234	7.268	VV	453	6250	0.09%	0.005%
96	7.279	7.268	7.317	VV	531	7199	0.11%	0.006%
97	7.348	7.317	7.375	VV	228	4627	0.07%	0.004%
98	7.391	7.375	7.423	PV	165	2087	0.03%	0.002%
99	7.449	7.423	7.484	VV	949	12597	0.19%	0.011%
100	7.547	7.484	7.568	VV	253	7576	0.11%	0.007%
101	7.608	7.568	7.630	VV	363	7775	0.11%	0.007%
102	7.668	7.630	7.691	VV	350	8551	0.13%	0.007%
103	7.708	7.691	7.726	VV	435	5500	0.08%	0.005%
104	7.753	7.726	7.776	VV	1610	19006	0.28%	0.016%
105	7.808	7.776	7.830	VV	1612	19530	0.29%	0.017%
106	7.848	7.830	7.863	VV	276	4150	0.06%	0.004%
107	7.878	7.863	7.897	VV	337	4135	0.06%	0.004%
108	7.911	7.897	7.938	VV	306	3742	0.06%	0.003%
109	7.963	7.938	8.024	VV	838	13975	0.21%	0.012%
110	8.059	8.024	8.133	VV	558311	5876988	86.41%	5.099%
111	8.154	8.133	8.198	VV	875	25997	0.38%	0.023%
112	8.205	8.198	8.226	VV	575	7138	0.10%	0.006%
113	8.248	8.226	8.268	VV	590	9697	0.14%	0.008%
114	8.287	8.268	8.331	VV	538	8809	0.13%	0.008%
115	8.358	8.331	8.448	VV	3666	80620	1.19%	0.070%
116	8.471	8.448	8.490	VV	544	11910	0.18%	0.010%
117	8.511	8.490	8.530	VV	656	12138	0.18%	0.011%
118	8.544	8.530	8.578	VV	589	12179	0.18%	0.011%
119	8.592	8.578	8.632	VV	1154	20881	0.31%	0.018%
120	8.653	8.632	8.688	VV	335	6768	0.10%	0.006%
121	8.708	8.688	8.731	VV	420	6134	0.09%	0.005%
122	8.777	8.731	8.796	VV	1474	23554	0.35%	0.020%
123	8.812	8.796	8.824	VV	922	11440	0.17%	0.010%
124	8.833	8.824	8.855	VV	648	9998	0.15%	0.009%
125	8.888	8.855	8.948	VV	2152	49076	0.72%	0.043%
126	8.963	8.948	8.985	VV	562	7555	0.11%	0.007%
127	9.011	8.985	9.043	VV	513	8303	0.12%	0.007%
128	9.065	9.043	9.077	VV	312	4013	0.06%	0.003%
129	9.122	9.077	9.147	VV	426	13195	0.19%	0.011%
130	9.174	9.147	9.218	VV	831	15325	0.23%	0.013%
131	9.244	9.218	9.274	VV	1474	24426	0.36%	0.021%
132	9.293	9.274	9.328	VV	955	14652	0.22%	0.013%
133	9.336	9.328	9.354	VV	327	3858	0.06%	0.003%
134	9.388	9.354	9.411	VV	880	16117	0.24%	0.014%
135	9.432	9.411	9.472	VV	3042	38078	0.56%	0.033%
136	9.491	9.472	9.531	VV	304	6325	0.09%	0.005%
137	9.542	9.531	9.547	VV	217	1821	0.03%	0.002%
138	9.577	9.547	9.616	VV	637	14876	0.22%	0.013%
139	9.655	9.616	9.809	VV	582924	6443012	94.74%	5.590%
140	9.816	9.809	9.902	VV	371	11880	0.17%	0.010%
141	9.932	9.902	9.945	VV	231	4935	0.07%	0.004%

rteres

142	9.965	9.945	9.991	VV	405	7626	0.11%	0.007%
143	10.045	9.991	10.064	VV	552	15043	0.22%	0.013%
144	10.075	10.064	10.104	VV	466	7552	0.11%	0.007%
145	10.132	10.104	10.194	VV	328	11990	0.18%	0.010%
146	10.249	10.194	10.267	VV	378	9371	0.14%	0.008%
147	10.285	10.267	10.301	VV	424	5946	0.09%	0.005%
148	10.321	10.301	10.351	VV	538	11450	0.17%	0.010%
149	10.392	10.351	10.425	VV	663	17716	0.26%	0.015%
150	10.441	10.425	10.458	VV	425	6043	0.09%	0.005%
151	10.469	10.458	10.488	VV	358	5477	0.08%	0.005%
152	10.516	10.488	10.545	VV	1026	18038	0.27%	0.016%
153	10.557	10.545	10.585	VV	286	5213	0.08%	0.005%
154	10.603	10.585	10.621	VV	252	4261	0.06%	0.004%
155	10.640	10.621	10.660	VV	196	3528	0.05%	0.003%
156	10.712	10.660	10.734	VV	336	8930	0.13%	0.008%
157	10.761	10.734	10.790	VV	365	8910	0.13%	0.008%
158	10.811	10.790	10.861	VV	589	10956	0.16%	0.010%
159	10.894	10.861	10.931	VV	1419	18488	0.27%	0.016%
160	10.967	10.931	10.991	VV	138	2181	0.03%	0.002%
161	11.021	10.991	11.050	PV	1872	24243	0.36%	0.021%
162	11.093	11.050	11.170	VV	580810	6671816	98.10%	5.788%
163	11.182	11.170	11.223	VV	750	13273	0.20%	0.012%
164	11.244	11.223	11.260	VV	195	3616	0.05%	0.003%
165	11.285	11.260	11.358	VV	237	8007	0.12%	0.007%
166	11.404	11.358	11.455	VV	302	12323	0.18%	0.011%
167	11.478	11.455	11.528	VV	482	11270	0.17%	0.010%
168	11.549	11.528	11.594	VV	342	9367	0.14%	0.008%
169	11.610	11.594	11.634	VV	111	2326	0.03%	0.002%
170	11.751	11.634	11.784	VV	660	27357	0.40%	0.024%
171	11.798	11.784	11.824	VV	370	5560	0.08%	0.005%
172	11.846	11.824	11.874	VV	231	5481	0.08%	0.005%
173	11.894	11.874	11.930	VV	331	9067	0.13%	0.008%
174	11.971	11.930	12.009	VV	757	21949	0.32%	0.019%
175	12.029	12.009	12.052	VV	682	11399	0.17%	0.010%
176	12.070	12.052	12.138	VV	475	15630	0.23%	0.014%
177	12.221	12.138	12.311	VV	1844	54129	0.80%	0.047%
178	12.336	12.311	12.357	VV	1213	16281	0.24%	0.014%
179	12.399	12.357	12.594	VV	561865	6800978	100.00%	5.900%
180	12.601	12.594	12.624	VV	70	1366	0.02%	0.001%
181	12.673	12.624	12.704	VV	234	7163	0.11%	0.006%
182	12.717	12.704	12.735	VV	236	2291	0.03%	0.002%
183	12.838	12.735	12.931	VV	302568	3667462	53.93%	3.182%
184	12.948	12.931	12.963	VV	456	7614	0.11%	0.007%
185	13.010	12.963	13.168	VV	539095	6502462	95.61%	5.641%
186	13.211	13.168	13.244	VV	404	14956	0.22%	0.013%
187	13.282	13.244	13.327	VV	521	19259	0.28%	0.017%
188	13.384	13.327	13.408	VV	779	19983	0.29%	0.017%
189	13.435	13.408	13.478	VV	1176	24907	0.37%	0.022%
190	13.539	13.478	13.558	VV	1500	28138	0.41%	0.024%
191	13.595	13.558	13.764	VV	509448	6446362	94.79%	5.593%
192	13.837	13.764	13.871	VV	327	15756	0.23%	0.014%
193	13.884	13.871	13.899	VV	270	3904	0.06%	0.003%
194	13.918	13.899	13.950	VV	244	6452	0.09%	0.006%

rteres

195	14.028	13.950	14.128	VV	1094	37948	0.56%	0.033%
196	14.153	14.128	14.184	VV	577	12358	0.18%	0.011%
197	14.211	14.184	14.229	VV	335	6566	0.10%	0.006%
198	14.300	14.229	14.373	VV	432	27150	0.40%	0.024%
199	14.396	14.373	14.437	VV	321	11353	0.17%	0.010%
200	14.464	14.437	14.520	VV	340	14734	0.22%	0.013%
201	14.544	14.520	14.571	VV	389	8453	0.12%	0.007%
202	14.592	14.571	14.616	VV	367	6038	0.09%	0.005%
203	14.696	14.616	14.824	VV	491177	6311101	92.80%	5.475%
204	14.866	14.824	14.924	VV	317	9873	0.15%	0.009%
205	14.950	14.924	14.991	PV	199	5316	0.08%	0.005%
206	15.002	14.991	15.031	VV	154	2035	0.03%	0.002%
207	15.076	15.031	15.088	VV	166	2453	0.04%	0.002%
208	15.114	15.088	15.154	VV	176	4085	0.06%	0.004%
209	15.211	15.154	15.247	VV	1181	20538	0.30%	0.018%
210	15.265	15.247	15.290	VV	172	2829	0.04%	0.002%
211	15.407	15.290	15.448	PV	203	11247	0.17%	0.010%
212	15.570	15.448	15.624	VV	306	18241	0.27%	0.016%
213	15.715	15.624	15.831	VV	475768	6171807	90.75%	5.354%
214	15.851	15.831	15.871	VV	153	3238	0.05%	0.003%
215	15.897	15.871	15.930	VV	187	4366	0.06%	0.004%
216	16.005	15.930	16.038	PV	161	5778	0.08%	0.005%
217	16.078	16.038	16.131	VV	114	4414	0.06%	0.004%
218	16.195	16.131	16.264	VV	1742	30012	0.44%	0.026%
219	16.274	16.264	16.295	VV	170	1928	0.03%	0.002%
220	16.359	16.295	16.393	VV	215	6380	0.09%	0.006%
221	16.406	16.393	16.418	VV	117	1437	0.02%	0.001%
222	16.546	16.418	16.578	PV	376	14792	0.22%	0.013%
223	16.663	16.578	16.731	VV	451399	6063367	89.15%	5.260%
224	16.749	16.731	16.791	VV	317	7273	0.11%	0.006%
225	16.812	16.791	16.884	VV	149	3743	0.06%	0.003%
226	16.953	16.884	16.984	VV	318	6427	0.09%	0.006%
227	16.999	16.984	17.044	VV	168	3051	0.04%	0.003%
228	17.111	17.044	17.171	PV	2514	39934	0.59%	0.035%
229	17.248	17.171	17.278	VV	174	7325	0.11%	0.006%
230	17.337	17.278	17.358	VV	245	8419	0.12%	0.007%
231	17.437	17.358	17.481	VV	4667	75858	1.12%	0.066%
232	17.550	17.481	17.613	VV	420390	6116891	89.94%	5.307%
233	17.640	17.613	17.748	VV	430	21798	0.32%	0.019%
234	17.824	17.748	17.901	VV	400	14951	0.22%	0.013%
235	17.969	17.901	18.011	PV	3519	53311	0.78%	0.046%
236	18.139	18.011	18.186	VV	118	8759	0.13%	0.008%
237	18.274	18.186	18.311	PV	230	10952	0.16%	0.010%
238	18.382	18.311	18.471	VV	425715	6043157	88.86%	5.243%
239	18.509	18.471	18.571	VV	202	7981	0.12%	0.007%
240	18.635	18.571	18.658	VV	182	4735	0.07%	0.004%
241	18.774	18.658	18.818	PV	3017	46839	0.69%	0.041%
242	18.956	18.818	18.987	VV	222	9175	0.13%	0.008%
243	19.164	18.987	19.249	PV	428957	5973219	87.83%	5.182%
244	19.319	19.249	19.344	VV	528	18857	0.28%	0.016%
245	19.451	19.344	19.506	VV	3048	182426	2.68%	0.158%
246	19.533	19.506	19.613	VV	3210	102533	1.51%	0.089%

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247	19.801	19.613	19.831	VV	1981	128535	1.89%	0.112%
248	19.903	19.831	20.003	VV	404559	5825520	85.66%	5.054%
249	20.255	20.003	20.298	VV	3245	305181	4.49%	0.265%
250	20.428	20.298	20.481	VV	2645	253400	3.73%	0.220%
251	20.616	20.481	20.741	VV	321516	5922266	87.08%	5.138%
252	20.765	20.741	20.831	VV	2384	124414	1.83%	0.108%
253	20.855	20.831	20.881	VV	2229	64875	0.95%	0.056%
254	20.932	20.881	20.967	VV	2165	107428	1.58%	0.093%
255	21.011	20.967	21.070	VV	2690	133329	1.96%	0.116%
256	21.293	21.070	21.391	VV	1949	356782	5.25%	0.310%
257	21.469	21.391	21.622	VV	233803	5573920	81.96%	4.836%
258	21.637	21.622	21.662	VV	1272	30341	0.45%	0.026%
259	21.766	21.662	21.834	VV	1126	112158	1.65%	0.097%
260	21.847	21.834	21.888	VV	872	25623	0.38%	0.022%
261	21.983	21.888	22.051	VV	833	65515	0.96%	0.057%
262	22.066	22.051	22.224	VV	471	24734	0.36%	0.021%

Sum of corrected areas: 115264388

Aliphatic EPH 021125.M Sat Mar 01 01:31:30 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049143.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 19:32
Operator : YP/AJ
Sample : Q1421-03
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
P001-CLAY-CF01-01MSD

Integration File: autoint1.e
Quant Time: Mar 01 02:21:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.352	8004383	55.932 ug/ml
	Spiked Amount 50.000		Recovery = 111.86%	
6)	S 2-Flurobiphenyl (SURR)	8.203	5197744	59.124 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 118.25%	
11)	S ortho-Terphenyl (SURR)	11.234	5182415	32.035 ug/ml
	Spiked Amount 50.000		Recovery = 64.07%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.176	6806303	42.739 ug/ml
2)	T Naphthalene (C11.7)	5.693	7499718	47.231 ug/ml
3)	T 2-Methylnaphthalene (...	6.739	7389966	47.465 ug/ml
5)	T Acenaphthylene (C15.06)	8.005	8610669	52.954 ug/ml
7)	T Acenaphthene (C15.5)	8.300	9186896	55.844 ug/ml
8)	T Flouorene (C16.55)	9.079	9395749	59.599 ug/ml
9)	T Phenanthrene (C19.36)	10.468	9704487	64.396 ug/ml
10)	T Anthracene (C19.43)	10.543	9855802	65.258 ug/ml
12)	T Fluoranthene (C21.85)	12.273	10149905	65.774 ug/ml
13)	T Pyrene (C20.8)	12.566	9846593	63.915 ug/ml
14)	T Benzo[a]anthracene (C...	14.437	9400442	71.546 ug/ml
15)	T Chrysene (C27.41)	14.479	9200670	56.904 ug/ml
16)	T benzo[b]fluoranthene ...	15.987	9332863	67.829 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.022	9405347	59.549 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.362	9010214	66.380 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.734	8902747	81.470 ug/ml
20)	T Dibenz[a,h]anthracene...	17.767	9038652	58.261 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.984	8820594	60.852 ug/ml

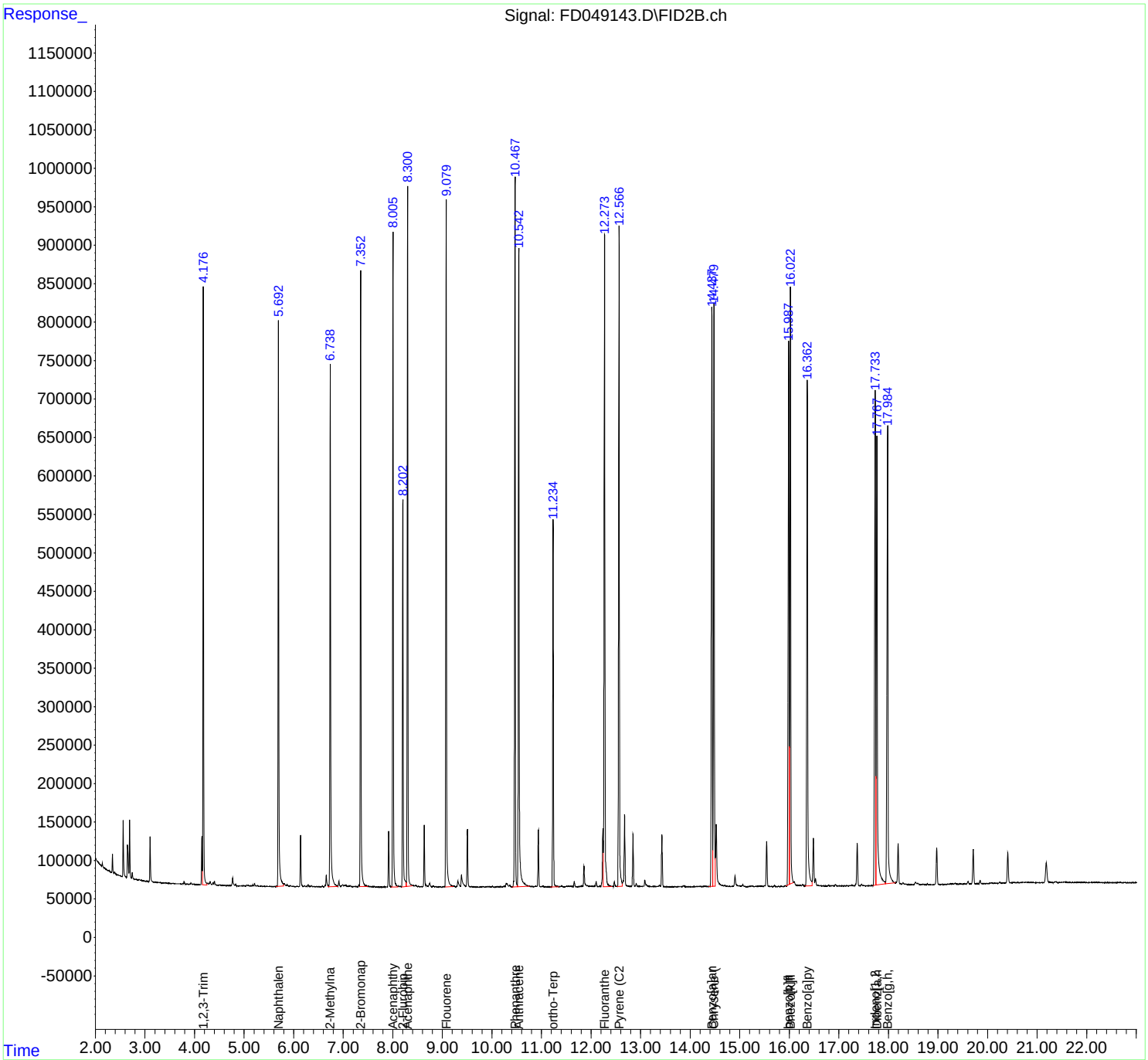
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049143.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 19:32
Operator : YP/AJ
Sample : Q1421-03
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
P001-CLAY-CF01-01MSD

Integration File: autoint1.e
Quant Time: Mar 01 02:21:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Quant Title : GC Extractables
QLast Update : Wed Feb 12 12:54:29 2025
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022825AR\
Data File : FD049143.D
Signal(s) : FID2B.ch
Acq On : 28 Feb 2025 19:32
Sample : Q1421-03
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.052	4.042	4.077	BV	152	1824	0.02%	0.001%
2	4.097	4.077	4.123	VV	200	2811	0.03%	0.001%
3	4.147	4.123	4.159	PV	63153	570838	5.59%	0.282%
4	4.176	4.159	4.247	VV	777604	6811089	66.71%	3.366%
5	4.264	4.247	4.283	VV	2518	44255	0.43%	0.022%
6	4.316	4.283	4.354	VV	4700	97915	0.96%	0.048%
7	4.372	4.354	4.387	VV	3581	42915	0.42%	0.021%
8	4.401	4.387	4.469	VV	5387	74932	0.73%	0.037%
9	4.491	4.469	4.498	VV	557	7223	0.07%	0.004%
10	4.514	4.498	4.544	VV	978	14805	0.14%	0.007%
11	4.549	4.544	4.557	VV	330	1801	0.02%	0.001%
12	4.561	4.557	4.570	VV	421	2357	0.02%	0.001%
13	4.583	4.570	4.593	VV	435	3298	0.03%	0.002%
14	4.608	4.593	4.617	VV	342	3178	0.03%	0.002%
15	4.624	4.617	4.642	VV	206	2250	0.02%	0.001%
16	4.648	4.642	4.660	VV	239	1291	0.01%	0.001%
17	4.666	4.660	4.673	PV	202	1068	0.01%	0.001%
18	4.689	4.673	4.709	VV	613	6780	0.07%	0.003%
19	4.714	4.709	4.725	VV	382	2486	0.02%	0.001%
20	4.769	4.725	4.811	VV	10385	149782	1.47%	0.074%
21	4.827	4.811	4.848	VV	2278	26668	0.26%	0.013%
22	4.858	4.848	4.882	VV	430	4562	0.04%	0.002%
23	4.886	4.882	4.891	VV	241	1049	0.01%	0.001%
24	4.898	4.891	4.906	VV	230	1407	0.01%	0.001%
25	4.918	4.906	4.942	VV	220	2878	0.03%	0.001%
26	4.967	4.942	5.002	VV	677	11218	0.11%	0.006%
27	5.005	5.002	5.017	VV	305	1996	0.02%	0.001%
28	5.020	5.017	5.033	VV	386	1872	0.02%	0.001%
29	5.048	5.033	5.114	VV	1629	47163	0.46%	0.023%
30	5.134	5.114	5.151	VV	783	13240	0.13%	0.007%
31	5.177	5.151	5.195	VV	1693	25292	0.25%	0.013%
32	5.211	5.195	5.234	VV	3795	44340	0.43%	0.022%
33	5.236	5.234	5.255	VV	718	8073	0.08%	0.004%
34	5.268	5.255	5.322	VV	1166	20586	0.20%	0.010%
35	5.340	5.322	5.351	VV	618	8137	0.08%	0.004%
36	5.358	5.351	5.380	VV	467	5563	0.05%	0.003%

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37	5.383	5.380	5.406	VV	281	3514	0.03%	0.002%
38	5.411	5.406	5.435	VV	287	3793	0.04%	0.002%
39	5.461	5.444	5.494	VV	641	10403	0.10%	0.005%
40	5.517	5.494	5.550	VV	539	12495	0.12%	0.006%
41	5.556	5.550	5.575	VV	427	4592	0.04%	0.002%
42	5.581	5.575	5.595	VV	324	2879	0.03%	0.001%
43	5.607	5.595	5.618	VV	343	2915	0.03%	0.001%
44	5.641	5.618	5.669	PV	299	5438	0.05%	0.003%
45	5.693	5.669	5.800	VV	734408	7561727	74.06%	3.737%
46	5.810	5.800	5.855	VV	4343	90069	0.88%	0.045%
47	5.872	5.855	5.907	VV	2447	49341	0.48%	0.024%
48	5.938	5.907	5.964	VV	1474	35410	0.35%	0.018%
49	5.973	5.964	5.990	VV	652	7722	0.08%	0.004%
50	5.997	5.990	6.008	VV	560	4300	0.04%	0.002%
51	6.019	6.008	6.023	VV	471	2723	0.03%	0.001%
52	6.028	6.023	6.045	VV	418	4213	0.04%	0.002%
53	6.054	6.045	6.058	VV	468	3046	0.03%	0.002%
54	6.065	6.058	6.070	VV	486	3555	0.03%	0.002%
55	6.072	6.070	6.103	VV	590	9105	0.09%	0.005%
56	6.140	6.103	6.193	VV	67007	710905	6.96%	0.351%
57	6.200	6.193	6.205	VV	605	3527	0.03%	0.002%
58	6.221	6.205	6.243	VV	1759	21706	0.21%	0.011%
59	6.261	6.243	6.274	VV	912	10752	0.11%	0.005%
60	6.291	6.274	6.310	VV	3067	35997	0.35%	0.018%
61	6.324	6.310	6.347	VV	1046	12714	0.12%	0.006%
62	6.362	6.347	6.399	VV	1716	21006	0.21%	0.010%
63	6.404	6.399	6.429	VV	348	4618	0.05%	0.002%
64	6.461	6.429	6.466	VV	514	6657	0.07%	0.003%
65	6.472	6.466	6.491	VV	361	3290	0.03%	0.002%
66	6.502	6.491	6.526	VV	403	5043	0.05%	0.002%
67	6.547	6.536	6.552	VV	237	1204	0.01%	0.001%
68	6.577	6.552	6.612	VV	1315	17042	0.17%	0.008%
69	6.631	6.612	6.641	VV	1693	18622	0.18%	0.009%
70	6.658	6.641	6.692	VV	15464	194307	1.90%	0.096%
71	6.700	6.692	6.711	VV	1758	18601	0.18%	0.009%
72	6.739	6.711	6.851	VV	679171	7383052	72.31%	3.649%
73	6.854	6.851	6.881	VV	2477	33866	0.33%	0.017%
74	6.887	6.881	6.891	VV	1471	8334	0.08%	0.004%
75	6.913	6.891	6.949	VV	7638	108444	1.06%	0.054%
76	6.991	6.949	7.011	VV	3213	74290	0.73%	0.037%
77	7.023	7.011	7.037	VV	2116	29343	0.29%	0.015%
78	7.058	7.037	7.082	VV	2231	44437	0.44%	0.022%
79	7.088	7.082	7.096	VV	906	7281	0.07%	0.004%
80	7.117	7.096	7.129	VV	1542	21709	0.21%	0.011%
81	7.145	7.129	7.174	VV	1799	28489	0.28%	0.014%
82	7.177	7.174	7.190	VV	523	3784	0.04%	0.002%
83	7.197	7.190	7.201	VV	451	2479	0.02%	0.001%
84	7.207	7.201	7.216	VV	518	3999	0.04%	0.002%
85	7.232	7.216	7.250	VV	1040	14345	0.14%	0.007%
86	7.256	7.250	7.269	VV	605	6331	0.06%	0.003%
87	7.272	7.269	7.291	VV	581	4459	0.04%	0.002%
88	7.315	7.291	7.328	VV	2492	28344	0.28%	0.014%
89	7.352	7.328	7.504	VV	801757	8084590	79.18%	3.996%

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90	7.514	7.504	7.539	VV	1114	19282	0.19%	0.010%
91	7.544	7.539	7.565	VV	777	10551	0.10%	0.005%
92	7.578	7.565	7.595	VV	802	10909	0.11%	0.005%
93	7.621	7.595	7.665	VV	1518	23244	0.23%	0.011%
94	7.678	7.665	7.691	VV	391	2936	0.03%	0.001%
95	7.702	7.691	7.737	VV	451	6081	0.06%	0.003%
96	7.750	7.737	7.774	PV	306	2740	0.03%	0.001%
97	7.792	7.785	7.803	PV	215	1206	0.01%	0.001%
98	7.832	7.803	7.851	VV	452	6992	0.07%	0.003%
99	7.859	7.851	7.873	VV	421	3328	0.03%	0.002%
100	7.918	7.873	7.959	VV	72554	765234	7.49%	0.378%
101	7.966	7.959	7.978	VV	423	4020	0.04%	0.002%
102	8.005	7.978	8.100	VV	851882	8632702	84.55%	4.267%
103	8.113	8.100	8.135	VV	1710	25024	0.25%	0.012%
104	8.148	8.135	8.177	VV	1404	20232	0.20%	0.010%
105	8.203	8.177	8.273	VV	503940	5226608	51.19%	2.583%
106	8.300	8.273	8.374	VV	912589	9249942	90.59%	4.572%
107	8.375	8.374	8.398	VV	3521	39746	0.39%	0.020%
108	8.407	8.398	8.440	VV	2046	46801	0.46%	0.023%
109	8.458	8.440	8.492	VV	2464	56965	0.56%	0.028%
110	8.497	8.492	8.504	VV	841	5350	0.05%	0.003%
111	8.516	8.504	8.540	VV	1431	19998	0.20%	0.010%
112	8.564	8.540	8.597	VV	1002	22135	0.22%	0.011%
113	8.636	8.597	8.712	VV	80870	885631	8.67%	0.438%
114	8.745	8.712	8.786	VV	5378	105642	1.03%	0.052%
115	8.819	8.786	8.850	VV	1807	37017	0.36%	0.018%
116	8.871	8.850	8.898	VV	888	13799	0.14%	0.007%
117	8.908	8.898	8.921	VV	423	3912	0.04%	0.002%
118	8.946	8.921	8.957	VV	673	10071	0.10%	0.005%
119	8.961	8.957	8.970	VV	561	3299	0.03%	0.002%
120	8.974	8.970	8.990	VV	413	3165	0.03%	0.002%
121	9.018	8.999	9.026	VV	804	9065	0.09%	0.004%
122	9.032	9.026	9.037	VV	779	4178	0.04%	0.002%
123	9.041	9.037	9.051	VV	778	4913	0.05%	0.002%
124	9.079	9.051	9.222	VV	893730	9456631	92.62%	4.674%
125	9.236	9.222	9.269	VV	1541	31863	0.31%	0.016%
126	9.314	9.269	9.370	VV	8137	183643	1.80%	0.091%
127	9.386	9.370	9.478	VV	15973	356742	3.49%	0.176%
128	9.506	9.478	9.553	VV	75343	848602	8.31%	0.419%
129	9.557	9.553	9.569	VV	789	6282	0.06%	0.003%
130	9.592	9.569	9.641	VV	976	29599	0.29%	0.015%
131	9.649	9.641	9.670	VV	490	4976	0.05%	0.002%
132	9.685	9.670	9.707	VV	401	5380	0.05%	0.003%
133	9.779	9.730	9.796	PV	561	13417	0.13%	0.007%
134	9.822	9.796	9.843	VV	980	16641	0.16%	0.008%
135	9.857	9.843	9.863	VV	375	3626	0.04%	0.002%
136	9.877	9.863	9.885	VV	641	6582	0.06%	0.003%
137	9.900	9.885	9.915	VV	939	12077	0.12%	0.006%
138	9.932	9.915	9.957	VV	973	16847	0.16%	0.008%
139	9.976	9.957	9.989	VV	517	8146	0.08%	0.004%
140	10.010	9.989	10.036	VV	1599	19088	0.19%	0.009%
141	10.049	10.036	10.057	VV	322	3092	0.03%	0.002%

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142	10.060	10.057	10.072	VV	316	2204	0.02%	0.001%
143	10.097	10.072	10.119	VV	870	16240	0.16%	0.008%
144	10.131	10.119	10.158	VV	927	12583	0.12%	0.006%
145	10.173	10.158	10.204	VV	1017	16348	0.16%	0.008%
146	10.241	10.204	10.245	VV	1242	19318	0.19%	0.010%
147	10.250	10.245	10.270	VV	1326	14116	0.14%	0.007%
148	10.288	10.270	10.294	VV	5085	44328	0.43%	0.022%
149	10.301	10.294	10.343	VV	4770	90742	0.89%	0.045%
150	10.362	10.343	10.402	VV	2787	46194	0.45%	0.023%
151	10.468	10.402	10.515	VV	919186	9737893	95.37%	4.813%
152	10.543	10.515	10.649	VV	826412	9821537	96.19%	4.854%
153	10.655	10.649	10.735	VV	5155	158646	1.55%	0.078%
154	10.739	10.735	10.745	VV	1684	9348	0.09%	0.005%
155	10.751	10.745	10.787	VV	1663	31644	0.31%	0.016%
156	10.802	10.787	10.847	VV	1009	26408	0.26%	0.013%
157	10.850	10.847	10.856	VV	666	3532	0.03%	0.002%
158	10.873	10.856	10.886	VV	1434	18259	0.18%	0.009%
159	10.891	10.886	10.900	VV	1164	8827	0.09%	0.004%
160	10.937	10.900	10.976	VV	74543	880787	8.63%	0.435%
161	10.993	10.976	11.007	VV	990	15777	0.15%	0.008%
162	11.028	11.007	11.088	VV	1310	34538	0.34%	0.017%
163	11.093	11.088	11.105	VV	424	2973	0.03%	0.001%
164	11.119	11.105	11.126	VV	366	3726	0.04%	0.002%
165	11.134	11.126	11.140	VV	371	2645	0.03%	0.001%
166	11.152	11.140	11.175	VV	460	6598	0.06%	0.003%
167	11.179	11.175	11.187	VV	226	1405	0.01%	0.001%
168	11.234	11.200	11.309	PV	478016	5197562	50.90%	2.569%
169	11.323	11.309	11.340	VV	1206	18645	0.18%	0.009%
170	11.343	11.340	11.364	VV	803	9899	0.10%	0.005%
171	11.372	11.364	11.378	VV	984	6608	0.06%	0.003%
172	11.407	11.378	11.435	VV	1922	37632	0.37%	0.019%
173	11.443	11.435	11.457	VV	448	4843	0.05%	0.002%
174	11.463	11.457	11.475	VV	340	3115	0.03%	0.002%
175	11.509	11.475	11.513	VV	1111	17109	0.17%	0.008%
176	11.522	11.513	11.552	VV	1204	24381	0.24%	0.012%
177	11.561	11.552	11.576	VV	1182	15808	0.15%	0.008%
178	11.588	11.576	11.616	VV	1425	27110	0.27%	0.013%
179	11.629	11.616	11.635	VV	827	8822	0.09%	0.004%
180	11.661	11.635	11.694	VV	7342	100043	0.98%	0.049%
181	11.705	11.694	11.721	VV	574	7697	0.08%	0.004%
182	11.731	11.721	11.749	VV	827	11893	0.12%	0.006%
183	11.755	11.749	11.779	VV	959	12231	0.12%	0.006%
184	11.816	11.779	11.837	VV	1893	42894	0.42%	0.021%
185	11.857	11.837	11.920	VV	27368	392477	3.84%	0.194%
186	11.932	11.920	11.959	VV	1876	34073	0.33%	0.017%
187	11.974	11.959	11.996	VV	1358	24934	0.24%	0.012%
188	12.009	11.996	12.035	VV	1284	24418	0.24%	0.012%
189	12.037	12.035	12.046	VV	929	4808	0.05%	0.002%
190	12.103	12.046	12.135	VV	7193	127813	1.25%	0.063%
191	12.147	12.135	12.159	VV	773	8543	0.08%	0.004%
192	12.179	12.159	12.196	VV	2052	26567	0.26%	0.013%
193	12.238	12.196	12.248	VV	76301	831869	8.15%	0.411%
194	12.273	12.248	12.417	VV	852748	10210561	100.00%	5.046%

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195	12.419	12.417	12.425	VV	779	3495	0.03%	0.002%
196	12.440	12.425	12.448	VV	855	11371	0.11%	0.006%
197	12.468	12.448	12.515	VV	7122	103350	1.01%	0.051%
198	12.518	12.515	12.532	VV	803	7169	0.07%	0.004%
199	12.566	12.532	12.631	VV	865346	9902740	96.99%	4.894%
200	12.676	12.631	12.730	VV	94615	1298259	12.71%	0.642%
201	12.736	12.730	12.792	VV	1642	42454	0.42%	0.021%
202	12.846	12.792	12.885	VV	69040	849874	8.32%	0.420%
203	12.910	12.885	12.944	VV	4519	73734	0.72%	0.036%
204	12.961	12.944	12.969	VV	927	11854	0.12%	0.006%
205	12.974	12.969	12.977	VV	822	3842	0.04%	0.002%
206	12.989	12.977	13.007	VV	939	13626	0.13%	0.007%
207	13.012	13.007	13.016	VV	695	3494	0.03%	0.002%
208	13.042	13.016	13.062	VV	1107	24265	0.24%	0.012%
209	13.084	13.062	13.154	VV	9048	187617	1.84%	0.093%
210	13.161	13.154	13.168	VV	949	6925	0.07%	0.003%
211	13.176	13.168	13.216	VV	1013	21493	0.21%	0.011%
212	13.224	13.216	13.239	VV	725	8146	0.08%	0.004%
213	13.260	13.239	13.265	VV	918	12031	0.12%	0.006%
214	13.269	13.265	13.284	VV	825	8548	0.08%	0.004%
215	13.291	13.284	13.297	VV	823	5566	0.05%	0.003%
216	13.303	13.297	13.315	VV	782	6736	0.07%	0.003%
217	13.336	13.315	13.348	VV	839	12204	0.12%	0.006%
218	13.383	13.348	13.402	VV	2198	40734	0.40%	0.020%
219	13.429	13.402	13.476	VV	68084	826651	8.10%	0.409%
220	13.484	13.476	13.506	VV	417	6082	0.06%	0.003%
221	13.536	13.506	13.543	VV	467	7707	0.08%	0.004%
222	13.550	13.543	13.560	VV	326	2244	0.02%	0.001%
223	13.574	13.570	13.587	VV	254	1198	0.01%	0.001%
224	13.601	13.593	13.606	VV	227	1141	0.01%	0.001%
225	13.621	13.613	13.645	PV	96	1363	0.01%	0.001%
226	13.662	13.652	13.668	VV	326	1699	0.02%	0.001%
227	13.686	13.675	13.694	VV	308	2352	0.02%	0.001%
228	13.700	13.694	13.712	VV	279	1992	0.02%	0.001%
229	13.722	13.712	13.733	VV	292	2331	0.02%	0.001%
230	13.743	13.733	13.752	VV	196	1655	0.02%	0.001%
231	13.761	13.752	13.765	VV	288	1903	0.02%	0.001%
232	13.771	13.765	13.795	VV	412	4892	0.05%	0.002%
233	13.799	13.795	13.806	VV	293	1486	0.01%	0.001%
234	13.828	13.806	13.835	VV	532	5605	0.05%	0.003%
235	13.868	13.835	13.896	VV	1781	35299	0.35%	0.017%
236	13.900	13.896	13.929	VV	442	6777	0.07%	0.003%
237	13.959	13.929	13.975	PV	374	5501	0.05%	0.003%
238	13.992	13.975	14.012	VV	364	4836	0.05%	0.002%
239	14.024	14.012	14.042	VV	292	3511	0.03%	0.002%
240	14.047	14.042	14.051	VV	222	1088	0.01%	0.001%
241	14.057	14.051	14.068	VV	476	2482	0.02%	0.001%
242	14.092	14.068	14.113	VV	534	9723	0.10%	0.005%
243	14.128	14.113	14.140	VV	723	8637	0.08%	0.004%
244	14.156	14.140	14.167	VV	685	8714	0.09%	0.004%
245	14.171	14.167	14.179	VV	474	3369	0.03%	0.002%
246	14.190	14.179	14.199	VV	635	5945	0.06%	0.003%

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247	14.201	14.199	14.207	VV	547	2494	0.02%	0.001%
248	14.211	14.207	14.234	VV	560	6331	0.06%	0.003%
249	14.246	14.234	14.271	VV	563	8422	0.08%	0.004%
250	14.301	14.271	14.319	VV	725	14645	0.14%	0.007%
251	14.330	14.319	14.358	VV	770	13114	0.13%	0.006%
252	14.371	14.358	14.387	VV	495	7583	0.07%	0.004%
253	14.392	14.387	14.399	VV	464	2475	0.02%	0.001%
254	14.437	14.399	14.455	VV	753429	9421292	92.27%	4.656%
255	14.479	14.455	14.507	VV	755607	9223421	90.33%	4.559%
256	14.525	14.507	14.666	VV	81419	1467633	14.37%	0.725%
257	14.670	14.666	14.676	VV	1500	7995	0.08%	0.004%
258	14.698	14.676	14.735	VV	1845	47661	0.47%	0.024%
259	14.740	14.735	14.764	VV	1034	14225	0.14%	0.007%
260	14.769	14.764	14.789	VV	757	9427	0.09%	0.005%
261	14.798	14.789	14.816	VV	620	8364	0.08%	0.004%
262	14.832	14.816	14.853	VV	783	13629	0.13%	0.007%
263	14.867	14.853	14.871	VV	681	6814	0.07%	0.003%
264	14.903	14.871	14.975	VV	14292	272159	2.67%	0.135%
265	14.981	14.975	15.017	VV	1413	28794	0.28%	0.014%
266	15.060	15.017	15.081	VV	2602	53162	0.52%	0.026%
267	15.087	15.081	15.096	VV	737	5700	0.06%	0.003%
268	15.105	15.096	15.120	VV	716	5931	0.06%	0.003%
269	15.126	15.120	15.137	VV	302	1937	0.02%	0.001%
270	15.147	15.137	15.165	VV	315	3066	0.03%	0.002%
271	15.175	15.165	15.185	VV	413	3612	0.04%	0.002%
272	15.242	15.185	15.260	VV	1271	28512	0.28%	0.014%
273	15.264	15.260	15.274	VV	664	4142	0.04%	0.002%
274	15.275	15.274	15.286	VV	493	2798	0.03%	0.001%
275	15.288	15.286	15.295	VV	401	1705	0.02%	0.001%
276	15.319	15.295	15.327	VV	506	7068	0.07%	0.003%
277	15.338	15.327	15.345	VV	665	5002	0.05%	0.002%
278	15.352	15.345	15.357	VV	639	4055	0.04%	0.002%
279	15.361	15.357	15.368	VV	621	3422	0.03%	0.002%
280	15.388	15.368	15.394	VV	734	9750	0.10%	0.005%
281	15.397	15.394	15.408	VV	869	5906	0.06%	0.003%
282	15.420	15.408	15.467	VV	819	24666	0.24%	0.012%
283	15.504	15.467	15.512	VV	1496	23618	0.23%	0.012%
284	15.542	15.512	15.576	VV	59045	774946	7.59%	0.383%
285	15.584	15.576	15.618	VV	716	13705	0.13%	0.007%
286	15.633	15.618	15.654	VV	450	5322	0.05%	0.003%
287	15.660	15.654	15.678	VV	237	1702	0.02%	0.001%
288	15.699	15.678	15.745	VV	1497	21848	0.21%	0.011%
289	15.747	15.745	15.777	VV	327	3844	0.04%	0.002%
290	15.784	15.777	15.793	VV	436	2429	0.02%	0.001%
291	15.805	15.793	15.813	VV	341	2646	0.03%	0.001%
292	15.827	15.813	15.856	VV	465	7662	0.08%	0.004%
293	15.863	15.856	15.874	VV	241	2324	0.02%	0.001%
294	15.913	15.874	15.949	VV	1507	34267	0.34%	0.017%
295	15.987	15.949	16.001	VV	709435	9405943	92.12%	4.649%
296	16.022	16.001	16.084	VV	779727	9614362	94.16%	4.752%
297	16.099	16.084	16.137	VV	6515	135808	1.33%	0.067%
298	16.141	16.137	16.174	VV	2011	38155	0.37%	0.019%
299	16.180	16.174	16.186	VV	1603	11122	0.11%	0.005%

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300	16.191	16.186	16.205	VV	1655	17622	0.17%	0.009%
301	16.220	16.205	16.248	VV	1716	38866	0.38%	0.019%
302	16.266	16.248	16.299	VV	3050	55816	0.55%	0.028%
303	16.302	16.299	16.314	VV	1126	8630	0.08%	0.004%
304	16.362	16.314	16.458	VV	658504	9102311	89.15%	4.499%
305	16.485	16.458	16.512	VV	63370	924994	9.06%	0.457%
306	16.528	16.512	16.561	VV	10257	168263	1.65%	0.083%
307	16.565	16.561	16.617	VV	2021	51064	0.50%	0.025%
308	16.622	16.617	16.657	VV	1167	23795	0.23%	0.012%
309	16.665	16.657	16.675	VV	845	8655	0.08%	0.004%
310	16.681	16.675	16.683	VV	740	3579	0.04%	0.002%
311	16.697	16.683	16.718	VV	996	17435	0.17%	0.009%
312	16.723	16.718	16.725	VV	769	3414	0.03%	0.002%
313	16.730	16.725	16.737	VV	818	5004	0.05%	0.002%
314	16.739	16.737	16.750	VV	708	4898	0.05%	0.002%
315	16.753	16.750	16.765	VV	781	5759	0.06%	0.003%
316	16.795	16.765	16.828	VV	1794	42802	0.42%	0.021%
317	16.855	16.828	16.900	VV	1463	43524	0.43%	0.022%
318	16.932	16.900	16.997	VV	2508	67778	0.66%	0.033%
319	17.012	16.997	17.044	VV	989	23107	0.23%	0.011%
320	17.049	17.044	17.078	VV	931	16940	0.17%	0.008%
321	17.083	17.078	17.096	VV	843	7437	0.07%	0.004%
322	17.113	17.096	17.125	VV	884	13431	0.13%	0.007%
323	17.144	17.125	17.154	VV	860	13634	0.13%	0.007%
324	17.164	17.154	17.181	VV	1187	15224	0.15%	0.008%
325	17.185	17.181	17.191	VV	902	5378	0.05%	0.003%
326	17.198	17.191	17.207	VV	956	8053	0.08%	0.004%
327	17.234	17.207	17.241	VV	1132	20298	0.20%	0.010%
328	17.256	17.241	17.288	VV	1546	35348	0.35%	0.017%
329	17.293	17.288	17.312	VV	1234	15198	0.15%	0.008%
330	17.370	17.312	17.407	VV	56292	802346	7.86%	0.397%
331	17.414	17.407	17.424	VV	1160	9965	0.10%	0.005%
332	17.457	17.424	17.486	VV	3058	64042	0.63%	0.032%
333	17.497	17.486	17.513	VV	1082	16320	0.16%	0.008%
334	17.519	17.513	17.545	VV	1046	17432	0.17%	0.009%
335	17.572	17.545	17.590	VV	1071	24613	0.24%	0.012%
336	17.618	17.590	17.638	VV	1038	26047	0.26%	0.013%
337	17.663	17.638	17.677	VV	1240	25906	0.25%	0.013%
338	17.734	17.677	17.746	VV	646147	8963404	87.79%	4.430%
339	17.767	17.746	17.943	VV	585316	9337294	91.45%	4.615%
340	17.984	17.943	18.154	VV	596885	9344801	91.52%	4.619%
341	18.195	18.154	18.229	VV	55883	887184	8.69%	0.438%
342	18.236	18.229	18.262	VV	3659	66226	0.65%	0.033%
343	18.297	18.262	18.300	VBA	4578	84196	0.82%	0.042%

Sum of corrected areas: 202333013

Aromatic EPH 021125.M Sat Mar 01 04:02:09 2025

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

Manual Integration Report

Sequence:	FC021125AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	FC022825AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1447-01	FC068339.D	1-chlorooctadecane (SURR)	yogesh	3/5/2025 7:49:39 AM	Ankita	3/5/2025 9:17:04	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC030425AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166975BS	FC068353.D	n-Tetracosane (C24)	yogesh	3/5/2025 8:21:15 AM	Ankita	3/5/2025 9:41:10	Peak Integrated by Software
PB166975BSD	FC068354.D	n-Tetracosane (C24)	yogesh	3/5/2025 8:21:17 AM	Ankita	3/5/2025 9:41:11	Peak Integrated by Software
Q1480-25MS	FC068357.D	n-Tetracosane (C24)	yogesh	3/5/2025 8:21:18 AM	Ankita	3/5/2025 9:41:13	Peak Integrated by Software
Q1480-25MSD	FC068358.D	n-Decane (C10)	yogesh	3/5/2025 8:21:20 AM	Ankita	3/5/2025 9:41:14	Peak Integrated by Software
Q1480-25MSD	FC068358.D	n-Tetracosane (C24)	yogesh	3/5/2025 8:21:20 AM	Ankita	3/5/2025 9:41:14	Peak Integrated by Software
Q1447-01DL	FC068362.D	1-chlorooctadecane (SURR)	yogesh	3/7/2025 8:52:08 AM	mohammad	3/8/2025 4:37:14	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD021125AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD049077.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/11/2025 7:39:10 AM	Ankita	2/11/2025 9:13:40	Peak Integrated by Software
20 PPM AROMATIC HC	FD049079.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/11/2025 7:39:12 AM	Ankita	2/11/2025 9:13:41	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD022825AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD049129.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	3/3/2025 8:01:30 AM	Ankita	3/4/2025 12:54:35	Peak Integrated by Software
Q1421-01D	FD049141.D	2-Flurobiphenyl (SURR)	yogesh	3/3/2025 8:01:31 AM	Ankita	3/4/2025 12:54:36	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD030325AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1447-01DL	FD049153.D	2-Bromonaphthalene (SURR)	yogesh	3/4/2025 8:08:33 AM	Ankita	3/5/2025 9:17:40	Peak Integrated by Software
Q1447-01DL	FD049153.D	2-Flurobiphenyl (SURR)	yogesh	3/4/2025 8:08:33 AM	Ankita	3/5/2025 9:17:40	Peak Integrated by Software

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC021125AL

Review By	yogesh	Review On	2/10/2025 4:11:01 PM		
Supervise By	Ankita	Supervise On	2/11/2025 9:13:33 AM		
SubDirectory	FC021125AL	HP Acquire Method		HP Processing Method	FC021125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068250.D	10 Feb 2025 15:12	YP/AJ	Ok
2	I.BLK	FC068251.D	10 Feb 2025 15:48	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068252.D	10 Feb 2025 16:24	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068253.D	10 Feb 2025 17:01	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068254.D	10 Feb 2025 17:38	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068255.D	10 Feb 2025 18:14	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068256.D	10 Feb 2025 18:50	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC068257.D	10 Feb 2025 19:26	YP/AJ	Ok
9	I.BLK	FC068258.D	10 Feb 2025 20:39	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068259.D	10 Feb 2025 21:16	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC022825AL

Review By	yogesh	Review On	2/28/2025 11:41:16 AM		
Supervise By	Ankita	Supervise On	3/4/2025 12:54:27 PM		
SubDirectory	FC022825AL	HP Acquire Method		HP Processing Method	FC021125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068319.D	28 Feb 2025 09:10	YP/AJ	Ok
2	I.BLK	FC068320.D	28 Feb 2025 09:46	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068321.D	28 Feb 2025 10:23	YP/AJ	Ok
4	PB166923BL	FC068322.D	28 Feb 2025 11:00	YP/AJ	Ok
5	PB166923BS	FC068323.D	28 Feb 2025 11:37	YP/AJ	Ok
6	PB166923BSD	FC068324.D	28 Feb 2025 12:13	YP/AJ	Ok
7	Q1415-01	FC068325.D	28 Feb 2025 12:50	YP/AJ	Ok
8	Q1415-02	FC068326.D	28 Feb 2025 13:26	YP/AJ	Ok
9	Q1415-03	FC068327.D	28 Feb 2025 14:03	YP/AJ	Ok
10	Q1415-04	FC068328.D	28 Feb 2025 14:40	YP/AJ	Ok
11	Q1421-07	FC068329.D	28 Feb 2025 15:16	YP/AJ	Ok
12	I.BLK	FC068330.D	28 Feb 2025 15:53	YP/AJ	Ok
13	20 PPM ALIPHATIC HC STD	FC068331.D	28 Feb 2025 16:30	YP/AJ	Ok
14	Q1421-01	FC068332.D	28 Feb 2025 17:44	YP/AJ	Ok
15	Q1421-01D	FC068333.D	28 Feb 2025 18:20	YP/AJ	Ok
16	Q1421-02	FC068334.D	28 Feb 2025 18:56	YP/AJ	Ok
17	Q1421-03	FC068335.D	28 Feb 2025 19:32	YP/AJ	Ok
18	Q1421-09	FC068336.D	28 Feb 2025 20:09	YP/AJ	Ok
19	Q1422-01	FC068337.D	28 Feb 2025 20:46	YP/AJ	Ok
20	Q1422-02	FC068338.D	28 Feb 2025 21:22	YP/AJ	Ok
21	Q1447-01	FC068339.D	28 Feb 2025 21:59	YP/AJ	Dilution

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC022825AL

Review By	yogesh	Review On	2/28/2025 11:41:16 AM		
Supervise By	Ankita	Supervise On	3/4/2025 12:54:27 PM		
SubDirectory	FC022825AL	HP Acquire Method		HP Processing Method	FC021125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	I.BLK	FC068340.D	28 Feb 2025 23:13	YP/AJ	Ok
23	20 PPM ALIPHATIC HC STD	FC068341.D	28 Feb 2025 23:50	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC030425AL

Review By	yogesh	Review On	3/4/2025 3:45:46 PM		
Supervise By	mohammad	Supervise On	3/8/2025 4:36:56 AM		
SubDirectory	FC030425AL	HP Acquire Method		HP Processing Method	FC021125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068349.D	04 Mar 2025 08:58	YP/AJ	Ok
2	I.BLK	FC068350.D	04 Mar 2025 09:35	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068351.D	04 Mar 2025 13:10	YP/AJ	Ok
4	PB166975BL	FC068352.D	04 Mar 2025 16:18	YP/AJ	Ok
5	PB166975BS	FC068353.D	04 Mar 2025 16:53	YP/AJ	Ok,M
6	PB166975BSD	FC068354.D	04 Mar 2025 17:29	YP/AJ	Ok,M
7	Q1480-25	FC068355.D	04 Mar 2025 18:06	YP/AJ	Ok
8	Q1480-25D	FC068356.D	04 Mar 2025 18:42	YP/AJ	Ok
9	Q1480-25MS	FC068357.D	04 Mar 2025 19:19	YP/AJ	Ok,M
10	Q1480-25MSD	FC068358.D	04 Mar 2025 19:56	YP/AJ	Ok,M
11	I.BLK	FC068359.D	05 Mar 2025 00:03	YP/AJ	Ok
12	20 PPM ALIPHATIC HC STD	FC068360.D	05 Mar 2025 00:39	YP/AJ	Ok
13	Q1480-26	FC068361.D	05 Mar 2025 01:15	YP/AJ	Ok
14	Q1447-01DL	FC068362.D	05 Mar 2025 07:38	YP/AJ	Dilution
15	Q1447-01DL2	FC068363.D	05 Mar 2025 08:13	YP/AJ	Ok
16	I.BLK	FC068364.D	05 Mar 2025 08:50	YP/AJ	Ok
17	20 PPM ALIPHATIC HC STD	FC068365.D	05 Mar 2025 09:26	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD021125AR

Review By	yogesh	Review On	2/10/2025 4:12:05 PM		
Supervise By	Ankita	Supervise On	2/11/2025 9:13:44 AM		
SubDirectory	FD021125AR	HP Acquire Method		HP Processing Method	FD021125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049070.D	10 Feb 2025 12:09	YP/AJ	Ok
2	I.BLK	FD049071.D	10 Feb 2025 12:45	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049072.D	10 Feb 2025 13:22	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD049073.D	10 Feb 2025 13:58	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049074.D	10 Feb 2025 14:35	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049075.D	10 Feb 2025 15:12	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD049076.D	10 Feb 2025 15:48	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD049077.D	10 Feb 2025 16:24	YP/AJ	Ok,M
9	I.BLK	FD049078.D	10 Feb 2025 17:01	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049079.D	10 Feb 2025 17:38	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD022825AR

Review By	yogesh	Review On	2/28/2025 11:42:15 AM		
Supervise By	Ankita	Supervise On	3/4/2025 12:54:39 PM		
SubDirectory	FD022825AR	HP Acquire Method		HP Processing Method	FD021125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24199
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049127.D	28 Feb 2025 09:10	YP/AJ	Ok
2	I.BLK	FD049128.D	28 Feb 2025 09:46	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049129.D	28 Feb 2025 10:23	YP/AJ	Ok,M
4	PB166923BL	FD049130.D	28 Feb 2025 11:00	YP/AJ	Ok
5	PB166923BS	FD049131.D	28 Feb 2025 11:37	YP/AJ	Ok
6	PB166923BSD	FD049132.D	28 Feb 2025 12:13	YP/AJ	Ok
7	Q1415-01	FD049133.D	28 Feb 2025 12:50	YP/AJ	Ok
8	Q1415-02	FD049134.D	28 Feb 2025 13:26	YP/AJ	Ok
9	Q1415-03	FD049135.D	28 Feb 2025 14:03	YP/AJ	Ok
10	Q1415-04	FD049136.D	28 Feb 2025 14:40	YP/AJ	Ok
11	Q1421-07	FD049137.D	28 Feb 2025 15:16	YP/AJ	Ok
12	I.BLK	FD049138.D	28 Feb 2025 15:53	YP/AJ	Ok
13	20 PPM AROMATIC HC STD	FD049139.D	28 Feb 2025 16:30	YP/AJ	Ok
14	Q1421-01	FD049140.D	28 Feb 2025 17:44	YP/AJ	Ok
15	Q1421-01D	FD049141.D	28 Feb 2025 18:20	YP/AJ	Ok,M
16	Q1421-02	FD049142.D	28 Feb 2025 18:56	YP/AJ	Ok
17	Q1421-03	FD049143.D	28 Feb 2025 19:32	YP/AJ	Ok
18	Q1421-09	FD049144.D	28 Feb 2025 20:09	YP/AJ	Ok
19	Q1422-01	FD049145.D	28 Feb 2025 20:46	YP/AJ	Ok
20	Q1422-02	FD049146.D	28 Feb 2025 21:22	YP/AJ	Ok
21	Q1447-01	FD049147.D	28 Feb 2025 21:59	YP/AJ	Dilution

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD022825AR

Review By	yogesh	Review On	2/28/2025 11:42:15 AM		
Supervise By	Ankita	Supervise On	3/4/2025 12:54:39 PM		
SubDirectory	FD022825AR	HP Acquire Method		HP Processing Method	FD021125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24199
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	I.BLK	FD049148.D	28 Feb 2025 23:13	YP/AJ	Ok
23	20 PPM AROMATIC HC STD	FD049149.D	28 Feb 2025 23:50	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD030325AR

Review By	yogesh	Review On	3/3/2025 10:31:07 AM		
Supervise By	Ankita	Supervise On	3/5/2025 9:17:43 AM		
SubDirectory	FD030325AR	HP Acquire Method		HP Processing Method	FD021125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24199
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049150.D	03 Mar 2025 08:38	YP/AJ	Ok
2	I.BLK	FD049151.D	03 Mar 2025 09:14	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049152.D	03 Mar 2025 09:50	YP/AJ	Ok
4	Q1447-01DL	FD049153.D	03 Mar 2025 10:26	YP/AJ	Ok,M
5	I.BLK	FD049154.D	03 Mar 2025 11:03	YP/AJ	Ok
6	20 PPM AROMATIC HC STD	FD049155.D	03 Mar 2025 11:39	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC021125AL

Review By	yogesh	Review On	2/10/2025 4:11:01 PM		
Supervise By	Ankita	Supervise On	2/11/2025 9:13:33 AM		
SubDirectory	FC021125AL	HP Acquire Method		HP Processing Method	FC021125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068250.D	10 Feb 2025 15:12		YP/AJ	Ok
2	I.BLK	I.BLK	FC068251.D	10 Feb 2025 15:48		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC068252.D	10 Feb 2025 16:24		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068253.D	10 Feb 2025 17:01		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068254.D	10 Feb 2025 17:38		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068255.D	10 Feb 2025 18:14		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068256.D	10 Feb 2025 18:50		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068257.D	10 Feb 2025 19:26		YP/AJ	Ok
9	I.BLK	I.BLK	FC068258.D	10 Feb 2025 20:39		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068259.D	10 Feb 2025 21:16		YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC022825AL

Review By	yogesh	Review On	2/28/2025 11:41:16 AM		
Supervise By	Ankita	Supervise On	3/4/2025 12:54:27 PM		
SubDirectory	FC022825AL	HP Acquire Method		HP Processing Method	FC021125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068319.D	28 Feb 2025 09:10		YP/AJ	Ok
2	I.BLK	I.BLK	FC068320.D	28 Feb 2025 09:46		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068321.D	28 Feb 2025 10:23		YP/AJ	Ok
4	PB166923BL	PB166923BL	FC068322.D	28 Feb 2025 11:00		YP/AJ	Ok
5	PB166923BS	PB166923BS	FC068323.D	28 Feb 2025 11:37		YP/AJ	Ok
6	PB166923BSD	PB166923BSD	FC068324.D	28 Feb 2025 12:13		YP/AJ	Ok
7	Q1415-01	B-163-SB01	FC068325.D	28 Feb 2025 12:50		YP/AJ	Ok
8	Q1415-02	B-172-SB01	FC068326.D	28 Feb 2025 13:26		YP/AJ	Ok
9	Q1415-03	B-163-SB02	FC068327.D	28 Feb 2025 14:03		YP/AJ	Ok
10	Q1415-04	B-172-SB02	FC068328.D	28 Feb 2025 14:40		YP/AJ	Ok
11	Q1421-07	P001-CLAY-CF01-02	FC068329.D	28 Feb 2025 15:16		YP/AJ	Ok
12	I.BLK	I.BLK	FC068330.D	28 Feb 2025 15:53		YP/AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068331.D	28 Feb 2025 16:30		YP/AJ	Ok
14	Q1421-01	P001-CLAY-CF01-01	FC068332.D	28 Feb 2025 17:44		YP/AJ	Ok
15	Q1421-01D	Q1421-01D	FC068333.D	28 Feb 2025 18:20		YP/AJ	Ok
16	Q1421-02	P001-CLAY-CF01-01M	FC068334.D	28 Feb 2025 18:56	FC068332.D	YP/AJ	Ok
17	Q1421-03	P001-CLAY-CF01-01M	FC068335.D	28 Feb 2025 19:32	FC068332.D!FC068334.D	YP/AJ	Ok
18	Q1421-09	P001-CLAY-CF02-01	FC068336.D	28 Feb 2025 20:09		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC022825AL

Review By	yogesh	Review On	2/28/2025 11:41:16 AM		
Supervise By	Ankita	Supervise On	3/4/2025 12:54:27 PM		
SubDirectory	FC022825AL	HP Acquire Method		HP Processing Method	FC021125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1422-01	B-154-SB01	FC068337.D	28 Feb 2025 20:46		YP/AJ	Ok
20	Q1422-02	B-154-SB02	FC068338.D	28 Feb 2025 21:22		YP/AJ	Ok
21	Q1447-01	WC1	FC068339.D	28 Feb 2025 21:59	need 10x & 100x dilution	YP/AJ	Dilution
22	I.BLK	I.BLK	FC068340.D	28 Feb 2025 23:13		YP/AJ	Ok
23	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068341.D	28 Feb 2025 23:50		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC030425AL

Review By	yogesh	Review On	3/4/2025 3:45:46 PM		
Supervise By	mohammad	Supervise On	3/8/2025 4:36:56 AM		
SubDirectory	FC030425AL	HP Acquire Method		HP Processing Method	FC021125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068349.D	04 Mar 2025 08:58		YP/AJ	Ok
2	I.BLK	I.BLK	FC068350.D	04 Mar 2025 09:35		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068351.D	04 Mar 2025 13:10		YP/AJ	Ok
4	PB166975BL	PB166975BL	FC068352.D	04 Mar 2025 16:18		YP/AJ	Ok
5	PB166975BS	PB166975BS	FC068353.D	04 Mar 2025 16:53		YP/AJ	Ok,M
6	PB166975BSD	PB166975BSD	FC068354.D	04 Mar 2025 17:29		YP/AJ	Ok,M
7	Q1480-25	TP-4	FC068355.D	04 Mar 2025 18:06		YP/AJ	Ok
8	Q1480-25D	Q1480-25D	FC068356.D	04 Mar 2025 18:42		YP/AJ	Ok
9	Q1480-25MS	TP-4MS	FC068357.D	04 Mar 2025 19:19	FC068355.D	YP/AJ	Ok,M
10	Q1480-25MSD	TP-4MSD	FC068358.D	04 Mar 2025 19:56	FC068355.D!FC068357.D	YP/AJ	Ok,M
11	I.BLK	I.BLK	FC068359.D	05 Mar 2025 00:03		YP/AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068360.D	05 Mar 2025 00:39		YP/AJ	Ok
13	Q1480-26	TP-4-E2	FC068361.D	05 Mar 2025 01:15		YP/AJ	Ok
14	Q1447-01DL	WC1DL	FC068362.D	05 Mar 2025 07:38	Need more dilution	YP/AJ	Dilution
15	Q1447-01DL2	WC1DL2	FC068363.D	05 Mar 2025 08:13		YP/AJ	Ok
16	I.BLK	I.BLK	FC068364.D	05 Mar 2025 08:50		YP/AJ	Ok
17	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068365.D	05 Mar 2025 09:26		YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD021125AR

Review By	yogesh	Review On	2/10/2025 4:12:05 PM		
Supervise By	Ankita	Supervise On	2/11/2025 9:13:44 AM		
SubDirectory	FD021125AR	HP Acquire Method		HP Processing Method	FD021125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049070.D	10 Feb 2025 12:09		YP/AJ	Ok
2	I.BLK	I.BLK	FD049071.D	10 Feb 2025 12:45		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD049072.D	10 Feb 2025 13:22		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049073.D	10 Feb 2025 13:58		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049074.D	10 Feb 2025 14:35		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049075.D	10 Feb 2025 15:12		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049076.D	10 Feb 2025 15:48		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049077.D	10 Feb 2025 16:24		YP/AJ	Ok,M
9	I.BLK	I.BLK	FD049078.D	10 Feb 2025 17:01		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049079.D	10 Feb 2025 17:38		YP/AJ	Ok,M

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD022825AR

Review By	yogesh	Review On	2/28/2025 11:42:15 AM		
Supervise By	Ankita	Supervise On	3/4/2025 12:54:39 PM		
SubDirectory	FD022825AR	HP Acquire Method		HP Processing Method	FD021125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24199
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049127.D	28 Feb 2025 09:10		YP/AJ	Ok
2	I.BLK	I.BLK	FD049128.D	28 Feb 2025 09:46		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049129.D	28 Feb 2025 10:23		YP/AJ	Ok,M
4	PB166923BL	PB166923BL	FD049130.D	28 Feb 2025 11:00		YP/AJ	Ok
5	PB166923BS	PB166923BS	FD049131.D	28 Feb 2025 11:37		YP/AJ	Ok
6	PB166923BSD	PB166923BSD	FD049132.D	28 Feb 2025 12:13		YP/AJ	Ok
7	Q1415-01	B-163-SB01	FD049133.D	28 Feb 2025 12:50		YP/AJ	Ok
8	Q1415-02	B-172-SB01	FD049134.D	28 Feb 2025 13:26		YP/AJ	Ok
9	Q1415-03	B-163-SB02	FD049135.D	28 Feb 2025 14:03		YP/AJ	Ok
10	Q1415-04	B-172-SB02	FD049136.D	28 Feb 2025 14:40		YP/AJ	Ok
11	Q1421-07	P001-CLAY-CF01-02	FD049137.D	28 Feb 2025 15:16		YP/AJ	Ok
12	I.BLK	I.BLK	FD049138.D	28 Feb 2025 15:53		YP/AJ	Ok
13	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049139.D	28 Feb 2025 16:30		YP/AJ	Ok
14	Q1421-01	P001-CLAY-CF01-01	FD049140.D	28 Feb 2025 17:44		YP/AJ	Ok
15	Q1421-01D	Q1421-01D	FD049141.D	28 Feb 2025 18:20		YP/AJ	Ok,M
16	Q1421-02	P001-CLAY-CF01-01M	FD049142.D	28 Feb 2025 18:56	FD049140.D	YP/AJ	Ok
17	Q1421-03	P001-CLAY-CF01-01M	FD049143.D	28 Feb 2025 19:32	FD049140.D!FD049142.D	YP/AJ	Ok
18	Q1421-09	P001-CLAY-CF02-01	FD049144.D	28 Feb 2025 20:09		YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD022825AR

Review By	yogesh	Review On	2/28/2025 11:42:15 AM		
Supervise By	Ankita	Supervise On	3/4/2025 12:54:39 PM		
SubDirectory	FD022825AR	HP Acquire Method		HP Processing Method	FD021125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24199
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1422-01	B-154-SB01	FD049145.D	28 Feb 2025 20:46		YP/AJ	Ok
20	Q1422-02	B-154-SB02	FD049146.D	28 Feb 2025 21:22		YP/AJ	Ok
21	Q1447-01	WC1	FD049147.D	28 Feb 2025 21:59	need 25x dilution	YP/AJ	Dilution
22	I.BLK	I.BLK	FD049148.D	28 Feb 2025 23:13		YP/AJ	Ok
23	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049149.D	28 Feb 2025 23:50		YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD030325AR

Review By	yogesh	Review On	3/3/2025 10:31:07 AM		
Supervise By	Ankita	Supervise On	3/5/2025 9:17:43 AM		
SubDirectory	FD030325AR	HP Acquire Method		HP Processing Method	FD021125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24199
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049150.D	03 Mar 2025 08:38		YP/AJ	Ok
2	I.BLK	I.BLK	FD049151.D	03 Mar 2025 09:14		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049152.D	03 Mar 2025 09:50		YP/AJ	Ok
4	Q1447-01DL	WC1DL	FD049153.D	03 Mar 2025 10:26		YP/AJ	Ok,M
5	I.BLK	I.BLK	FD049154.D	03 Mar 2025 11:03		YP/AJ	Ok
6	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049155.D	03 Mar 2025 11:39		YP/AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166923

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	02/27/2025
Matrix :	Solid			**Extraction Start Time :**	13:10
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	02/28/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	10:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24207
Surrogate	1.0ML	100 PPM	PP24119
Fractionation Surrogate	1.0ML	100 PPM	PP24108
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	EP2590
Sand	N/A	E2865
Hexane	N/A	E3877
Methylene Chloride	N/A	E3878
EPH Cartridge	N/A	E3757
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:

1.5ML 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
2/28/25	RS (Ext-lab)	Y.P.Pest1PCR
10:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166923

Analytical Method: MNJDEP-EPH-7

Concentration Date: 02/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166923BL	PB166923BL	EPH	30.02	N/A	ritesh	Evelyn	2			U2-1
PB166923BS	PB166923BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB166923BSD	PB166923BSD	EPH	30.02	N/A	ritesh	Evelyn	2			3
Q1415-01	B-163-SB01	EPH	30.06	N/A	ritesh	Evelyn	2	E		4
Q1415-02	B-172-SB01	EPH	30.05	N/A	ritesh	Evelyn	2	E		5
Q1415-03	B-163-SB02	EPH	30.03	N/A	ritesh	Evelyn	2	E		6
Q1415-04	B-172-SB02	EPH	30.08	N/A	ritesh	Evelyn	2	E		U6-1
Q1421-01	P001-CLAY-CF01-01	EPH	30.05	N/A	ritesh	Evelyn	2	E		2
Q1421-01DUP	P001-CLAY-CF01-01DUP	EPH	30.04	N/A	ritesh	Evelyn	2	E		3
Q1421-02	Q1421-01MS	EPH	30.07	N/A	ritesh	Evelyn	2	E		4
Q1421-03	Q1421-01MSD	EPH	30.03	N/A	ritesh	Evelyn	2	E		5
Q1421-07	P001-CLAY-CF01-02	EPH	30.06	N/A	ritesh	Evelyn	2	F		6
Q1421-09	P001-CLAY-CF02-01	EPH	30.02	N/A	ritesh	Evelyn	2	E		U3-1
Q1422-01	B-154-SB01	EPH	30.07	N/A	ritesh	Evelyn	2	E		2
Q1422-02	B-154-SB02	EPH	30.05	N/A	ritesh	Evelyn	2	E		3
Q1447-01	WC1	EPH	30.01	N/A	ritesh	Evelyn	2	B		4

RS
2/28

* **Extracts relinquished on the same date as received.**

16692-
13:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1447 **WorkList ID :** 187944 **Department :** Extraction **Date :** 02-27-2025 13:05:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1415-01	B-163-SB01	Solid	EPH	Cool 4 deg C	PORT06	N31	02/22/2025	NJEPH
Q1415-02	B-172-SB01	Solid	EPH	Cool 4 deg C	PORT06	N31	02/22/2025	NJEPH
Q1415-03	B-163-SB02	Solid	EPH	Cool 4 deg C	PORT06	N31	02/22/2025	NJEPH
Q1415-04	B-172-SB02	Solid	EPH	Cool 4 deg C	PORT06	N31	02/22/2025	NJEPH
Q1421-01	P001-CLAY-CF01-01	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1421-02	Q1421-01MS	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1421-03	Q1421-01MSD	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1421-07	P001-CLAY-CF01-02	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1421-09	P001-CLAY-CF02-01	Solid	EPH	Cool 4 deg C	ROYF02	H31	02/24/2025	NJEPH
Q1422-01	B-154-SB01	Solid	EPH	Cool 4 deg C	PORT06	H33	02/23/2025	NJEPH
Q1422-02	B-154-SB02	Solid	EPH	Cool 4 deg C	PORT06	H33	02/23/2025	NJEPH
Q1447-01	WC1	Solid	EPH	Cool 4 deg C	GENV01	H33	02/23/2025	NJEPH

Date/Time 2/27/25 13:05
Raw Sample Received by: RJ (Ext-Lab)
Raw Sample Relinquished by: CP SM

Date/Time 2/27/25 13:30
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (Ext-Lab)

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LAB CHRONICLE

OrderID:	Q1447	**OrderDate:**	2/26/2025 2:32:53 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	H31,H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1447-01	**WC1**	**SOIL**			**02/23/25**			**02/26/25**
			PCB	8082A		02/27/25	02/27/25	
			EPH	NJEPH		02/27/25	02/28/25	
			EPH	NJEPH		02/27/25	03/03/25	
			EPH	NJEPH		02/27/25	03/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1447 **Order ID:** Q1447

Client: G Environmental **Project ID:** Nelson

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC1								
Q1447-01	WC1	SOIL	Aluminum	3200		2.32	4.81	mg/Kg
Q1447-01	WC1	SOIL	Arsenic	1.34		0.28	0.96	mg/Kg
Q1447-01	WC1	SOIL	Barium	43.6		0.62	4.81	mg/Kg
Q1447-01	WC1	SOIL	Beryllium	0.35		0.012	0.29	mg/Kg
Q1447-01	WC1	SOIL	Calcium	1070		2.69	96.2	mg/Kg
Q1447-01	WC1	SOIL	Chromium	7.05		0.052	0.48	mg/Kg
Q1447-01	WC1	SOIL	Cobalt	3.94		0.056	1.44	mg/Kg
Q1447-01	WC1	SOIL	Copper	20.3		0.45	0.96	mg/Kg
Q1447-01	WC1	SOIL	Iron	10100		2.59	4.81	mg/Kg
Q1447-01	WC1	SOIL	Lead	64.0		0.14	0.58	mg/Kg
Q1447-01	WC1	SOIL	Magnesium	1370		3.30	96.2	mg/Kg
Q1447-01	WC1	SOIL	Manganese	256		0.068	0.96	mg/Kg
Q1447-01	WC1	SOIL	Nickel	7.49		0.087	1.92	mg/Kg
Q1447-01	WC1	SOIL	Potassium	387		27.6	96.2	mg/Kg
Q1447-01	WC1	SOIL	Sodium	48.4	J	34.7	96.2	mg/Kg
Q1447-01	WC1	SOIL	Thallium	0.53	J	0.42	1.92	mg/Kg
Q1447-01	WC1	SOIL	Vanadium	9.00		0.26	1.92	mg/Kg
Q1447-01	WC1	SOIL	Zinc	30.9		0.11	1.92	mg/Kg

SAMPLE DATA

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

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3200		1	2.32	4.81	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.41	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-38-2	Arsenic	1.34		1	0.28	0.96	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-39-3	Barium	43.6		1	0.62	4.81	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-41-7	Beryllium	0.35		1	0.012	0.29	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-43-9	Cadmium	0.015	U	1	0.015	0.29	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-70-2	Calcium	1070	*	1	2.69	96.2	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-47-3	Chromium	7.05		1	0.052	0.48	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-48-4	Cobalt	3.94		1	0.056	1.44	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-50-8	Copper	20.3		1	0.45	0.96	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7439-89-6	Iron	10100	*	1	2.59	4.81	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7439-92-1	Lead	64.0	N*	1	0.14	0.58	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7439-95-4	Magnesium	1370		1	3.30	96.2	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7439-96-5	Manganese	256	*	1	0.068	0.96	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7439-97-6	Mercury	0.0060	U	1	0.0060	0.014	mg/Kg	02/27/25 07:40	02/27/25 10:37	SW7471B	
7440-02-0	Nickel	7.49	*	1	0.087	1.92	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-09-7	Potassium	387		1	27.6	96.2	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7782-49-2	Selenium	0.32	U	1	0.32	0.96	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-22-4	Silver	0.050	U	1	0.050	0.48	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-23-5	Sodium	48.4	J	1	34.7	96.2	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-28-0	Thallium	0.53	J	1	0.42	1.92	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-62-2	Vanadium	9.00		1	0.26	1.92	mg/Kg	02/27/25 10:05	03/05/25 11:21	SW6010	SW3050
7440-66-6	Zinc	30.9	N*	1	0.11	1.92	mg/Kg	02/27/25 10:05	03/05/25 11:21	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

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB20	Mercury	0.20	+/-0.20	U	0.20	CV	02/27/2025	09:54	LB134824

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB29	Mercury	0.20	+/-0.20	U	0.20	CV	02/27/2025	10:02	LB134824
CCB30	Mercury	0.20	+/-0.20	U	0.20	CV	02/27/2025	10:34	LB134824
CCB31	Mercury	0.20	+/-0.20	U	0.20	CV	02/27/2025	10:55	LB134824

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	03/05/2025	10:56	LB134904
	Antimony	50.0	+/-50.0	U	50.0	P	03/05/2025	10:56	LB134904
	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	10:56	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	10:56	LB134904
	Beryllium	6.00	+/-6.00	U	6.00	P	03/05/2025	10:56	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	10:56	LB134904
	Calcium	2000	+/-2000	U	2000	P	03/05/2025	10:56	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	10:56	LB134904
	Cobalt	30.0	+/-30.0	U	30.0	P	03/05/2025	10:56	LB134904
	Copper	20.0	+/-20.0	U	20.0	P	03/05/2025	10:56	LB134904
	Iron	100	+/-100	U	100	P	03/05/2025	10:56	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	10:56	LB134904
	Magnesium	2000	+/-2000	U	2000	P	03/05/2025	10:56	LB134904
	Manganese	20.0	+/-20.0	U	20.0	P	03/05/2025	10:56	LB134904
	Nickel	40.0	+/-40.0	U	40.0	P	03/05/2025	10:56	LB134904
	Potassium	2000	+/-2000	U	2000	P	03/05/2025	10:56	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	10:56	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	10:56	LB134904
	Sodium	2000	+/-2000	U	2000	P	03/05/2025	10:56	LB134904
	Thallium	40.0	+/-40.0	U	40.0	P	03/05/2025	10:56	LB134904
	Vanadium	40.0	+/-40.0	U	40.0	P	03/05/2025	10:56	LB134904
	Zinc	40.0	+/-40.0	U	40.0	P	03/05/2025	10:56	LB134904

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	03/05/2025	11:17	LB134904
	Antimony	50.0	+/-50.0	U	50.0	P	03/05/2025	11:17	LB134904
	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	11:17	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	11:17	LB134904
	Beryllium	6.00	+/-6.00	U	6.00	P	03/05/2025	11:17	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	11:17	LB134904
	Calcium	2000	+/-2000	U	2000	P	03/05/2025	11:17	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	11:17	LB134904
	Cobalt	30.0	+/-30.0	U	30.0	P	03/05/2025	11:17	LB134904
	Copper	20.0	+/-20.0	U	20.0	P	03/05/2025	11:17	LB134904
	Iron	100	+/-100	U	100	P	03/05/2025	11:17	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	11:17	LB134904
	Magnesium	2000	+/-2000	U	2000	P	03/05/2025	11:17	LB134904
	Manganese	20.0	+/-20.0	U	20.0	P	03/05/2025	11:17	LB134904
	Nickel	40.0	+/-40.0	U	40.0	P	03/05/2025	11:17	LB134904
	Potassium	2000	+/-2000	U	2000	P	03/05/2025	11:17	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	11:17	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	11:17	LB134904
	Sodium	2000	+/-2000	U	2000	P	03/05/2025	11:17	LB134904
	Thallium	40.0	+/-40.0	U	40.0	P	03/05/2025	11:17	LB134904
	Vanadium	40.0	+/-40.0	U	40.0	P	03/05/2025	11:17	LB134904
	Zinc	40.0	+/-40.0	U	40.0	P	03/05/2025	11:17	LB134904
CCB02	Aluminum	100	+/-100	U	100	P	03/05/2025	11:59	LB134904
	Antimony	50.0	+/-50.0	U	50.0	P	03/05/2025	11:59	LB134904
	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	11:59	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	11:59	LB134904
	Beryllium	6.00	+/-6.00	U	6.00	P	03/05/2025	11:59	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	11:59	LB134904
	Calcium	2000	+/-2000	U	2000	P	03/05/2025	11:59	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	11:59	LB134904
	Cobalt	30.0	+/-30.0	U	30.0	P	03/05/2025	11:59	LB134904
	Copper	20.0	+/-20.0	U	20.0	P	03/05/2025	11:59	LB134904
	Iron	100	+/-100	U	100	P	03/05/2025	11:59	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	11:59	LB134904
	Magnesium	2000	+/-2000	U	2000	P	03/05/2025	11:59	LB134904
	Manganese	20.0	+/-20.0	U	20.0	P	03/05/2025	11:59	LB134904
	Nickel	40.0	+/-40.0	U	40.0	P	03/05/2025	11:59	LB134904
	Potassium	2000	+/-2000	U	2000	P	03/05/2025	11:59	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	11:59	LB134904

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	03/05/2025	11:59	LB134904
	Sodium	2000	+/-2000	U	2000	P	03/05/2025	11:59	LB134904
	Thallium	40.0	+/-40.0	U	40.0	P	03/05/2025	11:59	LB134904
	Vanadium	40.0	+/-40.0	U	40.0	P	03/05/2025	11:59	LB134904
	Zinc	40.0	+/-40.0	U	40.0	P	03/05/2025	11:59	LB134904
CCB03	Aluminum	100	+/-100	U	100	P	03/05/2025	12:49	LB134904
	Antimony	50.0	+/-50.0	U	50.0	P	03/05/2025	12:49	LB134904
	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	12:49	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	12:49	LB134904
	Beryllium	6.00	+/-6.00	U	6.00	P	03/05/2025	12:49	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	12:49	LB134904
	Calcium	2000	+/-2000	U	2000	P	03/05/2025	12:49	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	12:49	LB134904
	Cobalt	30.0	+/-30.0	U	30.0	P	03/05/2025	12:49	LB134904
	Copper	20.0	+/-20.0	U	20.0	P	03/05/2025	12:49	LB134904
	Iron	100	+/-100	U	100	P	03/05/2025	12:49	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	12:49	LB134904
	Magnesium	2000	+/-2000	U	2000	P	03/05/2025	12:49	LB134904
	Manganese	20.0	+/-20.0	U	20.0	P	03/05/2025	12:49	LB134904
	Nickel	40.0	+/-40.0	U	40.0	P	03/05/2025	12:49	LB134904
	Potassium	2000	+/-2000	U	2000	P	03/05/2025	12:49	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	12:49	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	12:49	LB134904
	Sodium	2000	+/-2000	U	2000	P	03/05/2025	12:49	LB134904
	Thallium	40.0	+/-40.0	U	40.0	P	03/05/2025	12:49	LB134904
	Vanadium	40.0	+/-40.0	U	40.0	P	03/05/2025	12:49	LB134904
	Zinc	40.0	+/-40.0	U	40.0	P	03/05/2025	12:49	LB134904
CCB04	Aluminum	100	+/-100	U	100	P	03/05/2025	14:11	LB134904
	Antimony	50.0	+/-50.0	U	50.0	P	03/05/2025	14:11	LB134904
	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	14:11	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	14:11	LB134904
	Beryllium	6.00	+/-6.00	U	6.00	P	03/05/2025	14:11	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	14:11	LB134904
	Calcium	2000	+/-2000	U	2000	P	03/05/2025	14:11	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	14:11	LB134904
	Cobalt	30.0	+/-30.0	U	30.0	P	03/05/2025	14:11	LB134904
	Copper	20.0	+/-20.0	U	20.0	P	03/05/2025	14:11	LB134904
	Iron	100	+/-100	U	100	P	03/05/2025	14:11	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	14:11	LB134904

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	03/05/2025	14:11	LB134904
	Manganese	20.0	+/-20.0	U	20.0	P	03/05/2025	14:11	LB134904
	Nickel	40.0	+/-40.0	U	40.0	P	03/05/2025	14:11	LB134904
	Potassium	2000	+/-2000	U	2000	P	03/05/2025	14:11	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	14:11	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	14:11	LB134904
	Sodium	2000	+/-2000	U	2000	P	03/05/2025	14:11	LB134904
	Thallium	40.0	+/-40.0	U	40.0	P	03/05/2025	14:11	LB134904
	Vanadium	40.0	+/-40.0	U	40.0	P	03/05/2025	14:11	LB134904
	Zinc	40.0	+/-40.0	U	40.0	P	03/05/2025	14:11	LB134904

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB166888BL		**SOLID**		**Batch Number:**	**PB166888**		**Prep Date:**	**02/27/2025**	
	Mercury	0.013	<0.013	U	0.013	CV	02/27/2025	10:13	LB134824

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB166898BL		**SOLID**		**Batch Number:**	**PB166898**		**Prep Date:**	**02/27/2025**	
	Aluminum	4.93	<4.93	U	4.93	P	03/05/2025	13:29	LB134904
	Antimony	2.46	<2.46	U	2.46	P	03/05/2025	13:29	LB134904
	Arsenic	0.99	<0.99	U	0.99	P	03/05/2025	13:29	LB134904
	Barium	4.93	<4.93	U	4.93	P	03/05/2025	13:29	LB134904
	Beryllium	0.30	<0.30	U	0.30	P	03/05/2025	13:29	LB134904
	Cadmium	0.30	<0.30	U	0.30	P	03/05/2025	13:29	LB134904
	Calcium	98.5	<98.5	U	98.5	P	03/05/2025	13:29	LB134904
	Chromium	0.49	<0.49	U	0.49	P	03/05/2025	13:29	LB134904
	Cobalt	1.48	<1.48	U	1.48	P	03/05/2025	13:29	LB134904
	Copper	0.99	<0.99	U	0.99	P	03/05/2025	13:29	LB134904
	Iron	4.93	<4.93	U	4.93	P	03/05/2025	13:29	LB134904
	Lead	0.59	<0.59	U	0.59	P	03/05/2025	13:29	LB134904
	Magnesium	98.5	<98.5	U	98.5	P	03/05/2025	13:29	LB134904
	Manganese	0.99	<0.99	U	0.99	P	03/05/2025	13:29	LB134904
	Nickel	1.97	<1.97	U	1.97	P	03/05/2025	13:29	LB134904
	Potassium	98.5	<98.5	U	98.5	P	03/05/2025	13:29	LB134904
	Selenium	0.99	<0.99	U	0.99	P	03/05/2025	13:29	LB134904
	Silver	0.49	<0.49	U	0.49	P	03/05/2025	13:29	LB134904
	Sodium	98.5	<98.5	U	98.5	P	03/05/2025	13:29	LB134904
	Thallium	1.97	<1.97	U	1.97	P	03/05/2025	13:29	LB134904
	Vanadium	1.97	<1.97	U	1.97	P	03/05/2025	13:29	LB134904
	Zinc	1.97	<1.97	U	1.97	P	03/05/2025	13:29	LB134904

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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
ICV20	Mercury	3.87	4.0	97	90 - 110	CV	02/27/2025	09:49	LB134824

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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
CCV29	Mercury	5.16	5.0	103	90 - 110	CV	02/27/2025	09:57	LB134824
CCV30	Mercury	5.12	5.0	102	90 - 110	CV	02/27/2025	10:29	LB134824
CCV31	Mercury	5.13	5.0	103	90 - 110	CV	02/27/2025	10:50	LB134824

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	2560	2500	102	90 - 110	P	03/05/2025	10:43	LB134904
	Antimony	1020	1000	102	90 - 110	P	03/05/2025	10:43	LB134904
	Arsenic	1040	1000	104	90 - 110	P	03/05/2025	10:43	LB134904
	Barium	493	520	95	90 - 110	P	03/05/2025	10:43	LB134904
	Beryllium	513	510	101	90 - 110	P	03/05/2025	10:43	LB134904
	Cadmium	508	510	100	90 - 110	P	03/05/2025	10:43	LB134904
	Calcium	9960	10000	100	90 - 110	P	03/05/2025	10:43	LB134904
	Chromium	534	520	103	90 - 110	P	03/05/2025	10:43	LB134904
	Cobalt	516	520	99	90 - 110	P	03/05/2025	10:43	LB134904
	Copper	534	510	105	90 - 110	P	03/05/2025	10:43	LB134904
	Iron	9820	10000	98	90 - 110	P	03/05/2025	10:43	LB134904
	Lead	1020	1000	102	90 - 110	P	03/05/2025	10:43	LB134904
	Magnesium	5970	6000	100	90 - 110	P	03/05/2025	10:43	LB134904
	Manganese	509	520	98	90 - 110	P	03/05/2025	10:43	LB134904
	Nickel	519	530	98	90 - 110	P	03/05/2025	10:43	LB134904
	Potassium	9490	9900	96	90 - 110	P	03/05/2025	10:43	LB134904
	Selenium	1040	1000	104	90 - 110	P	03/05/2025	10:43	LB134904
	Silver	258	250	103	90 - 110	P	03/05/2025	10:43	LB134904
	Sodium	9130	10000	91	90 - 110	P	03/05/2025	10:43	LB134904
	Thallium	1060	1000	106	90 - 110	P	03/05/2025	10:43	LB134904
	Vanadium	491	500	98	90 - 110	P	03/05/2025	10:43	LB134904
	Zinc	1030	1000	103	90 - 110	P	03/05/2025	10:43	LB134904

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	101	100	101	80 - 120	P	03/05/2025	10:51	LB134904
	Antimony	52.3	50.0	105	80 - 120	P	03/05/2025	10:51	LB134904
	Arsenic	19.0	20.0	95	80 - 120	P	03/05/2025	10:51	LB134904
	Barium	92.3	100	92	80 - 120	P	03/05/2025	10:51	LB134904
	Beryllium	5.85	6.0	98	80 - 120	P	03/05/2025	10:51	LB134904
	Cadmium	5.96	6.0	99	80 - 120	P	03/05/2025	10:51	LB134904
	Calcium	1970	2000	99	80 - 120	P	03/05/2025	10:51	LB134904
	Chromium	10.7	10.0	107	80 - 120	P	03/05/2025	10:51	LB134904
	Cobalt	29.6	30.0	99	80 - 120	P	03/05/2025	10:51	LB134904
	Copper	22.8	20.0	114	80 - 120	P	03/05/2025	10:51	LB134904
	Iron	96.3	100	96	80 - 120	P	03/05/2025	10:51	LB134904
	Lead	11.9	12.0	99	80 - 120	P	03/05/2025	10:51	LB134904
	Magnesium	2100	2000	105	80 - 120	P	03/05/2025	10:51	LB134904
	Manganese	20.1	20.0	100	80 - 120	P	03/05/2025	10:51	LB134904
	Nickel	39.6	40.0	99	80 - 120	P	03/05/2025	10:51	LB134904
	Potassium	1970	2000	98	80 - 120	P	03/05/2025	10:51	LB134904
	Selenium	20.8	20.0	104	80 - 120	P	03/05/2025	10:51	LB134904
	Silver	10.7	10.0	107	80 - 120	P	03/05/2025	10:51	LB134904
	Sodium	1860	2000	93	80 - 120	P	03/05/2025	10:51	LB134904
	Thallium	41.0	40.0	102	80 - 120	P	03/05/2025	10:51	LB134904
	Vanadium	40.2	40.0	100	80 - 120	P	03/05/2025	10:51	LB134904
	Zinc	43.4	40.0	108	80 - 120	P	03/05/2025	10:51	LB134904

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	10000	10000	100	90 - 110	P	03/05/2025	11:13	LB134904
	Antimony	5120	5000	102	90 - 110	P	03/05/2025	11:13	LB134904
	Arsenic	5100	5000	102	90 - 110	P	03/05/2025	11:13	LB134904
	Barium	9750	10000	98	90 - 110	P	03/05/2025	11:13	LB134904
	Beryllium	245	250	98	90 - 110	P	03/05/2025	11:13	LB134904
	Cadmium	2480	2500	99	90 - 110	P	03/05/2025	11:13	LB134904
	Calcium	24200	25000	97	90 - 110	P	03/05/2025	11:13	LB134904
	Chromium	1030	1000	104	90 - 110	P	03/05/2025	11:13	LB134904
	Cobalt	2480	2500	99	90 - 110	P	03/05/2025	11:13	LB134904
	Copper	1270	1250	102	90 - 110	P	03/05/2025	11:13	LB134904
	Iron	5060	5000	101	90 - 110	P	03/05/2025	11:13	LB134904
	Lead	5000	5000	100	90 - 110	P	03/05/2025	11:13	LB134904
	Magnesium	24200	25000	97	90 - 110	P	03/05/2025	11:13	LB134904
	Manganese	2390	2500	96	90 - 110	P	03/05/2025	11:13	LB134904
	Nickel	2480	2500	99	90 - 110	P	03/05/2025	11:13	LB134904
	Potassium	25600	25000	102	90 - 110	P	03/05/2025	11:13	LB134904
	Selenium	5150	5000	103	90 - 110	P	03/05/2025	11:13	LB134904
	Silver	1280	1250	102	90 - 110	P	03/05/2025	11:13	LB134904
	Sodium	24900	25000	100	90 - 110	P	03/05/2025	11:13	LB134904
	Thallium	5090	5000	102	90 - 110	P	03/05/2025	11:13	LB134904
	Vanadium	2460	2500	99	90 - 110	P	03/05/2025	11:13	LB134904
	Zinc	2590	2500	104	90 - 110	P	03/05/2025	11:13	LB134904
CCV02	Aluminum	10200	10000	102	90 - 110	P	03/05/2025	11:55	LB134904
	Antimony	5220	5000	104	90 - 110	P	03/05/2025	11:55	LB134904
	Arsenic	5190	5000	104	90 - 110	P	03/05/2025	11:55	LB134904
	Barium	9730	10000	97	90 - 110	P	03/05/2025	11:55	LB134904
	Beryllium	246	250	98	90 - 110	P	03/05/2025	11:55	LB134904
	Cadmium	2500	2500	100	90 - 110	P	03/05/2025	11:55	LB134904
	Calcium	24500	25000	98	90 - 110	P	03/05/2025	11:55	LB134904
	Chromium	1040	1000	104	90 - 110	P	03/05/2025	11:55	LB134904
	Cobalt	2500	2500	100	90 - 110	P	03/05/2025	11:55	LB134904
	Copper	1300	1250	104	90 - 110	P	03/05/2025	11:55	LB134904
	Iron	5100	5000	102	90 - 110	P	03/05/2025	11:55	LB134904
	Lead	5050	5000	101	90 - 110	P	03/05/2025	11:55	LB134904

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	24400	25000	98	90 - 110	P	03/05/2025	11:55	LB134904
	Manganese	2410	2500	96	90 - 110	P	03/05/2025	11:55	LB134904
	Nickel	2500	2500	100	90 - 110	P	03/05/2025	11:55	LB134904
	Potassium	26100	25000	104	90 - 110	P	03/05/2025	11:55	LB134904
	Selenium	5210	5000	104	90 - 110	P	03/05/2025	11:55	LB134904
	Silver	1300	1250	104	90 - 110	P	03/05/2025	11:55	LB134904
	Sodium	25300	25000	101	90 - 110	P	03/05/2025	11:55	LB134904
	Thallium	4930	5000	99	90 - 110	P	03/05/2025	11:55	LB134904
	Vanadium	2490	2500	100	90 - 110	P	03/05/2025	11:55	LB134904
	Zinc	2610	2500	104	90 - 110	P	03/05/2025	11:55	LB134904
CCV03	Aluminum	10100	10000	101	90 - 110	P	03/05/2025	12:45	LB134904
	Antimony	5080	5000	102	90 - 110	P	03/05/2025	12:45	LB134904
	Arsenic	5020	5000	100	90 - 110	P	03/05/2025	12:45	LB134904
	Barium	10000	10000	100	90 - 110	P	03/05/2025	12:45	LB134904
	Beryllium	244	250	98	90 - 110	P	03/05/2025	12:45	LB134904
	Cadmium	2450	2500	98	90 - 110	P	03/05/2025	12:45	LB134904
	Calcium	24400	25000	98	90 - 110	P	03/05/2025	12:45	LB134904
	Chromium	1020	1000	102	90 - 110	P	03/05/2025	12:45	LB134904
	Cobalt	2470	2500	99	90 - 110	P	03/05/2025	12:45	LB134904
	Copper	1270	1250	101	90 - 110	P	03/05/2025	12:45	LB134904
	Iron	4960	5000	99	90 - 110	P	03/05/2025	12:45	LB134904
	Lead	4940	5000	99	90 - 110	P	03/05/2025	12:45	LB134904
	Magnesium	24000	25000	96	90 - 110	P	03/05/2025	12:45	LB134904
	Manganese	2390	2500	96	90 - 110	P	03/05/2025	12:45	LB134904
	Nickel	2470	2500	99	90 - 110	P	03/05/2025	12:45	LB134904
	Potassium	26000	25000	104	90 - 110	P	03/05/2025	12:45	LB134904
	Selenium	5040	5000	101	90 - 110	P	03/05/2025	12:45	LB134904
	Silver	1280	1250	102	90 - 110	P	03/05/2025	12:45	LB134904
	Sodium	25600	25000	102	90 - 110	P	03/05/2025	12:45	LB134904
	Thallium	4790	5000	96	90 - 110	P	03/05/2025	12:45	LB134904
	Vanadium	2470	2500	99	90 - 110	P	03/05/2025	12:45	LB134904
	Zinc	2560	2500	102	90 - 110	P	03/05/2025	12:45	LB134904
CCV04	Aluminum	10000	10000	100	90 - 110	P	03/05/2025	14:07	LB134904
	Antimony	5000	5000	100	90 - 110	P	03/05/2025	14:07	LB134904

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	4980	5000	100	90 - 110	P	03/05/2025	14:07	LB134904
	Barium	10200	10000	102	90 - 110	P	03/05/2025	14:07	LB134904
	Beryllium	247	250	99	90 - 110	P	03/05/2025	14:07	LB134904
	Cadmium	2490	2500	100	90 - 110	P	03/05/2025	14:07	LB134904
	Calcium	24500	25000	98	90 - 110	P	03/05/2025	14:07	LB134904
	Chromium	1020	1000	102	90 - 110	P	03/05/2025	14:07	LB134904
	Cobalt	2510	2500	100	90 - 110	P	03/05/2025	14:07	LB134904
	Copper	1260	1250	101	90 - 110	P	03/05/2025	14:07	LB134904
	Iron	4900	5000	98	90 - 110	P	03/05/2025	14:07	LB134904
	Lead	4980	5000	100	90 - 110	P	03/05/2025	14:07	LB134904
	Magnesium	24400	25000	98	90 - 110	P	03/05/2025	14:07	LB134904
	Manganese	2370	2500	95	90 - 110	P	03/05/2025	14:07	LB134904
	Nickel	2520	2500	101	90 - 110	P	03/05/2025	14:07	LB134904
	Potassium	25700	25000	103	90 - 110	P	03/05/2025	14:07	LB134904
	Selenium	4980	5000	100	90 - 110	P	03/05/2025	14:07	LB134904
	Silver	1270	1250	102	90 - 110	P	03/05/2025	14:07	LB134904
	Sodium	25300	25000	101	90 - 110	P	03/05/2025	14:07	LB134904
	Thallium	5020	5000	100	90 - 110	P	03/05/2025	14:07	LB134904
	Vanadium	2470	2500	99	90 - 110	P	03/05/2025	14:07	LB134904
	Zinc	2570	2500	103	90 - 110	P	03/05/2025	14:07	LB134904

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Metals

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CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	0.18	0.2	91	40 - 160	CV	02/27/2025	10:04	LB134824
CRI01	Aluminum	102	100	102	40 - 160	P	03/05/2025	11:00	LB134904
	Antimony	51.7	50.0	103	40 - 160	P	03/05/2025	11:00	LB134904
	Arsenic	20.2	20.0	101	40 - 160	P	03/05/2025	11:00	LB134904
	Barium	91.8	100	92	40 - 160	P	03/05/2025	11:00	LB134904
	Beryllium	5.92	6.0	99	40 - 160	P	03/05/2025	11:00	LB134904
	Cadmium	5.85	6.0	98	40 - 160	P	03/05/2025	11:00	LB134904
	Calcium	1970	2000	98	40 - 160	P	03/05/2025	11:00	LB134904
	Chromium	10.5	10.0	105	40 - 160	P	03/05/2025	11:00	LB134904
	Cobalt	29.4	30.0	98	40 - 160	P	03/05/2025	11:00	LB134904
	Copper	22.5	20.0	112	40 - 160	P	03/05/2025	11:00	LB134904
	Iron	93.2	100	93	40 - 160	P	03/05/2025	11:00	LB134904
	Lead	12.3	12.0	103	40 - 160	P	03/05/2025	11:00	LB134904
	Magnesium	2080	2000	104	40 - 160	P	03/05/2025	11:00	LB134904
	Manganese	19.8	20.0	99	40 - 160	P	03/05/2025	11:00	LB134904
	Nickel	39.1	40.0	98	40 - 160	P	03/05/2025	11:00	LB134904
	Potassium	1920	2000	96	40 - 160	P	03/05/2025	11:00	LB134904
	Selenium	18.9	20.0	95	40 - 160	P	03/05/2025	11:00	LB134904
	Silver	10.5	10.0	105	40 - 160	P	03/05/2025	11:00	LB134904
	Sodium	1830	2000	92	40 - 160	P	03/05/2025	11:00	LB134904
	Thallium	41.3	40.0	103	40 - 160	P	03/05/2025	11:00	LB134904
	Vanadium	40.1	40.0	100	40 - 160	P	03/05/2025	11:00	LB134904
	Zinc	42.9	40.0	107	40 - 160	P	03/05/2025	11:00	LB134904

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

ICS Source: EPA **Instrument ID:** P4

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	251000	255000	98	216000	294000	03/05/2025	11:04	LB134904
	Antimony	-2.46			-50	50	03/05/2025	11:04	LB134904
	Arsenic	4.69			-20	20	03/05/2025	11:04	LB134904
	Barium	3.05	6.0	51	-94	106	03/05/2025	11:04	LB134904
	Beryllium	1.20			-6	6	03/05/2025	11:04	LB134904
	Cadmium	-3.85	1.0	385	-5	7	03/05/2025	11:04	LB134904
	Calcium	235000	245000	96	208000	282000	03/05/2025	11:04	LB134904
	Chromium	60.3	52.0	116	42	62	03/05/2025	11:04	LB134904
	Cobalt	2.15			-30	30	03/05/2025	11:04	LB134904
	Copper	14.9	2.0	745	-18	22	03/05/2025	11:04	LB134904
	Iron	104000	101000	103	85600	116500	03/05/2025	11:04	LB134904
	Lead	3.18			-12	12	03/05/2025	11:04	LB134904
	Magnesium	255000	255000	100	216000	294000	03/05/2025	11:04	LB134904
	Manganese	2.43	7.0	35	-13	27	03/05/2025	11:04	LB134904
	Nickel	1.88	2.0	94	-38	42	03/05/2025	11:04	LB134904
	Potassium	-63.2			0	0	03/05/2025	11:04	LB134904
	Selenium	-15.4			-20	20	03/05/2025	11:04	LB134904
	Silver	-1.85			-10	10	03/05/2025	11:04	LB134904
	Sodium	-2.98			0	0	03/05/2025	11:04	LB134904
	Thallium	7.88			-40	40	03/05/2025	11:04	LB134904
	Vanadium	3.34			-40	40	03/05/2025	11:04	LB134904
	Zinc	3.82			-40	40	03/05/2025	11:04	LB134904
ICSAB01	Aluminum	251000	247000	102	209000	285000	03/05/2025	11:09	LB134904
	Antimony	623	618	101	525	711	03/05/2025	11:09	LB134904
	Arsenic	115	104	111	88.4	120	03/05/2025	11:09	LB134904
	Barium	478	537	89	437	637	03/05/2025	11:09	LB134904
	Beryllium	483	495	98	420	570	03/05/2025	11:09	LB134904
	Cadmium	1000	972	103	826	1120	03/05/2025	11:09	LB134904
	Calcium	232000	235000	99	199000	271000	03/05/2025	11:09	LB134904
	Chromium	583	542	108	460	624	03/05/2025	11:09	LB134904
	Cobalt	510	476	107	404	548	03/05/2025	11:09	LB134904
	Copper	517	511	101	434	588	03/05/2025	11:09	LB134904
	Iron	103000	99300	104	84400	114500	03/05/2025	11:09	LB134904
	Lead	54.9	49.0	112	37	61	03/05/2025	11:09	LB134904
	Magnesium	250000	248000	101	210000	286000	03/05/2025	11:09	LB134904
	Manganese	464	507	92	430	584	03/05/2025	11:09	LB134904
	Nickel	1010	954	106	810	1100	03/05/2025	11:09	LB134904
	Potassium	-64.1			0	0	03/05/2025	11:09	LB134904
	Selenium	32.0	46.0	70	26	66	03/05/2025	11:09	LB134904
	Silver	224	201	111	170	232	03/05/2025	11:09	LB134904
	Sodium	8.35			0	0	03/05/2025	11:09	LB134904
	Thallium	107	108	99	68	148	03/05/2025	11:09	LB134904

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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

ICS Source: EPA **Instrument ID:** P4

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	471	491	96	417	565	03/05/2025	11:09	LB134904
	Zinc	1090	952	114	809	1095	03/05/2025	11:09	LB134904

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1447

contract: GENV01 **lab code:** CHEM **case no.:** Q1447 **sas no.:** Q1447

matrix: Solid **sample id:** Q1447-01 **client id:** WC1MS

Percent Solids for Sample: 92.4 **Spiked ID:** Q1447-01MS **Percent Solids for Spike Sample:** 92.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	4320		3200		97.1	1148		P
Antimony	mg/Kg	75 - 125	19.3		2.41	U	38.8	50	N	P
Arsenic	mg/Kg	75 - 125	37.5		1.34		38.8	93		P
Barium	mg/Kg	75 - 125	59.8		43.6		9.7	167		P
Beryllium	mg/Kg	75 - 125	8.23		0.35		9.7	81		P
Cadmium	mg/Kg	75 - 125	8.94		0.29	U	9.7	92		P
Calcium	mg/Kg	75 - 125	618		1070		48.5	-922		P
Chromium	mg/Kg	75 - 125	26.0		7.05		19.4	97		P
Cobalt	mg/Kg	75 - 125	14.9		3.94		9.7	112		P
Copper	mg/Kg	75 - 125	36.7		20.3		14.6	113		P
Iron	mg/Kg	75 - 125	12800		10100		150	1807		P
Lead	mg/Kg	75 - 125	113		64.0		48.5	102		P
Magnesium	mg/Kg	75 - 125	1750		1370		97.1	387		P
Manganese	mg/Kg	75 - 125	390		256		9.7	1382		P
Mercury	mg/Kg	80 - 120	0.25		0.014	U	0.27	91		CV
Nickel	mg/Kg	75 - 125	36.0		7.49		24.3	117		P
Potassium	mg/Kg	75 - 125	939		387		490	113		P
Selenium	mg/Kg	75 - 125	79.2		0.96	U	97.1	82		P
Silver	mg/Kg	75 - 125	3.57		0.48	U	3.6	99		P
Sodium	mg/Kg	75 - 125	190		48.4	J	150	95		P
Thallium	mg/Kg	75 - 125	90.6		0.53	J	97.1	93		P
Vanadium	mg/Kg	75 - 125	21.8		9.00		14.6	87		P
Zinc	mg/Kg	75 - 125	64.6		30.9		9.7	347	N	P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1447

contract: GENV01 **lab code:** CHEM **case no.:** Q1447 **sas no.:** Q1447

matrix: Solid **sample id:** Q1447-01 **client id:** WC1MSD

Percent Solids for Sample: 92.4 **Spiked ID:** Q1447-01MSD **Percent Solids for Spike Sample:** 92.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	4090		3200		92.1	962		P
Antimony	mg/Kg	75 - 125	17.5		2.41	U	36.8	48	N	P
Arsenic	mg/Kg	75 - 125	34.6		1.34		36.8	90		P
Barium	mg/Kg	75 - 125	56.3		43.6		9.2	138		P
Beryllium	mg/Kg	75 - 125	7.85		0.35		9.2	82		P
Cadmium	mg/Kg	75 - 125	8.78		0.29	U	9.2	95		P
Calcium	mg/Kg	75 - 125	1020		1070		46.1	-96		P
Chromium	mg/Kg	75 - 125	24.6		7.05		18.4	95		P
Cobalt	mg/Kg	75 - 125	14.0		3.94		9.2	109		P
Copper	mg/Kg	75 - 125	34.8		20.3		13.8	106		P
Iron	mg/Kg	75 - 125	10300		10100		140	150		P
Lead	mg/Kg	75 - 125	87.5		64.0		46.1	51	N	P
Magnesium	mg/Kg	75 - 125	1660		1370		92.1	310		P
Manganese	mg/Kg	75 - 125	315		256		9.2	640		P
Mercury	mg/Kg	80 - 120	0.25		0.014	U	0.27	93		CV
Nickel	mg/Kg	75 - 125	32.2		7.49		23.0	108		P
Potassium	mg/Kg	75 - 125	879		387		460	107		P
Selenium	mg/Kg	75 - 125	73.1		0.96	U	92.1	79		P
Silver	mg/Kg	75 - 125	3.05		0.48	U	3.5	87		P
Sodium	mg/Kg	75 - 125	178		48.4	J	140	93		P
Thallium	mg/Kg	75 - 125	86.2		0.53	J	92.1	93		P
Vanadium	mg/Kg	75 - 125	20.7		9.00		13.8	85		P
Zinc	mg/Kg	75 - 125	38.1		30.9		9.2	78		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Matrix: Solid **Level:** LOW **Client ID:** WC1A

Sample ID: Q1447-01 **Spiked ID:** Q1447-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	17.8		2.41	U	38.5	46		P
Lead	mg/Kg	75 - 125	98.9		64.0		48.1	72		P
Zinc	mg/Kg	75 - 125	40.7		30.9		9.60	102		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Matrix: Solid **Sample ID:** Q1447-01 **Client ID:** WC1DUP

Percent Solids for Sample: 92.4 **Duplicate ID** Q1447-01DUP **Percent Solids for Spike Sample:** 92.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	3200		3680		14		P
Antimony	mg/Kg	20	2.41	U	2.47	U			P
Arsenic	mg/Kg	20	1.34		1.84		31		P
Barium	mg/Kg	20	43.6		45.8		5		P
Beryllium	mg/Kg	20	0.35		0.40		15		P
Cadmium	mg/Kg	20	0.29	U	0.30	U			P
Calcium	mg/Kg	20	1070		571		61	*	P
Chromium	mg/Kg	20	7.05		8.20		15		P
Cobalt	mg/Kg	20	3.94		4.69		17		P
Copper	mg/Kg	20	20.3		22.3		9		P
Iron	mg/Kg	20	10100		16500		48	*	P
Lead	mg/Kg	20	64.0		64.3		0		P
Magnesium	mg/Kg	20	1370		1540		12		P
Manganese	mg/Kg	20	256		301		16		P
Mercury	mg/Kg	20	0.014	U	0.0060	J	200.0		CV
Nickel	mg/Kg	20	7.49		9.30		22	*	P
Potassium	mg/Kg	20	387		466		19		P
Selenium	mg/Kg	20	0.96	U	0.99	U			P
Silver	mg/Kg	20	0.48	U	0.25	J	200.0		P
Sodium	mg/Kg	20	48.4	J	61.8	J	24		P
Thallium	mg/Kg	20	0.53	J	0.89	J	51		P
Vanadium	mg/Kg	20	9.00		10.6		16		P
Zinc	mg/Kg	20	30.9		56.9		59	*	P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Matrix: Solid **Sample ID:** Q1447-01MS **Client ID:** WC1MSD

Percent Solids for Sample: 92.4 **Duplicate ID** Q1447-01MSD **Percent Solids for Spike Sample:** 92.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	4320		4090		5		P
Antimony	mg/Kg	20	19.3		17.5		10		P
Arsenic	mg/Kg	20	37.5		34.6		8		P
Barium	mg/Kg	20	59.8		56.3		6		P
Beryllium	mg/Kg	20	8.23		7.85		5		P
Cadmium	mg/Kg	20	8.94		8.78		2		P
Calcium	mg/Kg	20	618		1020		49	*	P
Chromium	mg/Kg	20	26.0		24.6		6		P
Cobalt	mg/Kg	20	14.9		14.0		6		P
Copper	mg/Kg	20	36.7		34.8		5		P
Iron	mg/Kg	20	12800		10300		22	*	P
Lead	mg/Kg	20	113		87.5		25	*	P
Magnesium	mg/Kg	20	1750		1660		5		P
Manganese	mg/Kg	20	390		315		21	*	P
Mercury	mg/Kg	20	0.25		0.25		2		CV
Nickel	mg/Kg	20	36.0		32.2		11		P
Potassium	mg/Kg	20	939		879		7		P
Selenium	mg/Kg	20	79.2		73.1		8		P
Silver	mg/Kg	20	3.57		3.05		16		P
Sodium	mg/Kg	20	190		178		7		P
Thallium	mg/Kg	20	90.6		86.2		5		P
Vanadium	mg/Kg	20	21.8		20.7		5		P
Zinc	mg/Kg	20	64.6		38.1		52	*	P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166888BS							
Mercury	mg/Kg	0.25	0.23		92	80 - 120	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166898BS							
Aluminum	mg/Kg	98.0	93.0		95	80 - 120	P
Antimony	mg/Kg	39.2	36.9		94	80 - 120	P
Arsenic	mg/Kg	39.2	38.8		99	80 - 120	P
Barium	mg/Kg	9.8	8.97		92	80 - 120	P
Beryllium	mg/Kg	9.8	9.39		96	80 - 120	P
Cadmium	mg/Kg	9.8	9.23		94	80 - 120	P
Calcium	mg/Kg	49.0	46.5	J	95	80 - 120	P
Chromium	mg/Kg	19.6	19.7		100	80 - 120	P
Cobalt	mg/Kg	9.8	9.40		96	80 - 120	P
Copper	mg/Kg	14.7	15.1		103	80 - 120	P
Iron	mg/Kg	150	141		94	80 - 120	P
Lead	mg/Kg	49.0	46.7		95	80 - 120	P
Magnesium	mg/Kg	98.0	90.9	J	93	80 - 120	P
Manganese	mg/Kg	9.8	9.08		93	80 - 120	P
Nickel	mg/Kg	24.5	23.7		97	80 - 120	P
Potassium	mg/Kg	490	478		98	80 - 120	P
Selenium	mg/Kg	98.0	95.5		97	80 - 120	P
Silver	mg/Kg	3.7	3.72		100	80 - 120	P
Sodium	mg/Kg	150	137		91	80 - 120	P
Thallium	mg/Kg	98.0	95.5		97	80 - 120	P
Vanadium	mg/Kg	14.7	13.9		95	80 - 120	P
Zinc	mg/Kg	9.8	10.0		102	80 - 120	P

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ICP SERIAL DILUTIONS

SAMPLE NO.

WC1L

Lab Name: Chemtech Consulting Group **Contract:** GENV01

Lab Code: CHEM **Lb No.:** lb134904 **Lab Sample ID :** Q1447-01L **SDG No.:** Q1447

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	3200		3530		10		P
Antimony	2.41	U	12.0	U			P
Arsenic	1.34		4.81	U	100.0		P
Barium	43.6		45.8		5		P
Beryllium	0.35		0.41	J	17		P
Cadmium	0.29	U	1.44	U			P
Calcium	1070		737		31		P
Chromium	7.05		8.05		14		P
Cobalt	3.94		3.90	J	1		P
Copper	20.3		23.1		14		P
Iron	10100		12700		26		P
Lead	64.0		81.0		27		P
Magnesium	1370		1500		9		P
Manganese	256		328		28		P
Mercury	0.014	U	0.068	U			CV
Nickel	7.49		8.38	J	12		P
Potassium	387		426	J	10		P
Selenium	0.96	U	4.81	U			P
Silver	0.48	U	2.41	U			P
Sodium	48.4	J	481	U	100.0		P
Thallium	0.53	J	9.62	U	100.0		P
Vanadium	9.00		9.72		8		P
Zinc	30.9		54.9		78		P

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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1447 **Sas no.:** Q1447 **Sdg no.:** Q1447

Instrument id number: **Method:** **Run number:** LB134824

Start date: 02/27/2025 **End date:** 02/27/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0930	HG
S0.2	S0.2	1	0932	HG
S2.5	S2.5	1	0937	HG
S5	S5	1	0939	HG
S7.5	S7.5	1	0942	HG
S10	S10	1	0944	HG
ICV20	ICV20	1	0949	HG
ICB20	ICB20	1	0954	HG
CCV29	CCV29	1	0957	HG
CCB29	CCB29	1	1002	HG
CRA	CRA	1	1004	HG
PB166888BL	PB166888BL	1	1013	HG
PB166888BS	PB166888BS	1	1016	HG
CCV30	CCV30	1	1029	HG
CCB30	CCB30	1	1034	HG
Q1447-01	WC1	1	1037	HG
Q1447-01DUP	WC1DUP	1	1039	HG
Q1447-01MS	WC1MS	1	1041	HG
Q1447-01MSD	WC1MSD	1	1043	HG
Q1447-01L	WC1L	5	1046	HG
CCV31	CCV31	1	1050	HG
CCB31	CCB31	1	1055	HG

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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1447 **Sas no.:** Q1447 **Sdg no.:** Q1447

Instrument id number: **Method:** **Run number:** LB134904

Start date: 03/05/2025 **End date:** 03/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1017	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	1022	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	1026	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	1030	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	1034	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	1039	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	1043	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	1051	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	1056	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	1100	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	1104	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	1109	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	1113	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	1117	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1447-01	WC1	1	1121	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	1155	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	1159	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1447-01DUP	WC1DUP	1	1225	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1447-01L	WC1L	5	1229	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1447-01MS	WC1MS	1	1233	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1447-01MSD	WC1MSD	1	1237	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1447-01A	WC1A	1	1241	Pb,Sb,Zn
CCV03	CCV03	1	1245	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	1249	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166898BL	PB166898BL	1	1329	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB166898BS	PB166898BS	1	1403	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	1407	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	1411	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

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement 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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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

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LAB CHRONICLE

OrderID:	Q1447	**OrderDate:**	2/26/2025 2:32:53 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	H31,H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1447-01	**WC1**	**SOIL**			**02/23/25**			**02/26/25**
			Mercury	7471B		02/27/25	02/27/25	
			Metals ICP-TAL	6010D		02/27/25	03/05/25	
Q1447-02	**WC1**	**TCLP**			**02/23/25**			**02/26/25**
			TCLP ICP Metals	6010D		02/27/25	03/03/25	
			TCLP Mercury	7470A		02/28/25	02/28/25	

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q1447 **SAS No.:** Q1447

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB166888**						
PB166888BL	PB166888BL	MB	SOLID	02/27/2025	0.52	35.0	100.00
PB166888BS	PB166888BS	LCS	SOLID	02/27/2025	0.57	35.0	100.00
Q1447-01	WC1	SAM	SOLID	02/27/2025	0.56	35.0	92.40
Q1447-01DUP	WC1DUP	DUP	SOLID	02/27/2025	0.55	35.0	92.40
Q1447-01MS	WC1MS	MS	SOLID	02/27/2025	0.57	35.0	92.40
Q1447-01MSD	WC1MSD	MSD	SOLID	02/27/2025	0.56	35.0	92.40

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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q1447 **SAS No.:** Q1447

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB166898**						
PB166898BL	PB166898BL	MB	SOLID	02/27/2025	2.03	100.0	100.00
PB166898BS	PB166898BS	LCS	SOLID	02/27/2025	2.04	100.0	100.00
Q1447-01	WC1	SAM	SOLID	02/27/2025	2.25	100.0	92.40
Q1447-01DUP	WC1DUP	DUP	SOLID	02/27/2025	2.19	100.0	92.40
Q1447-01MS	WC1MS	MS	SOLID	02/27/2025	2.23	100.0	92.40
Q1447-01MSD	WC1MSD	MSD	SOLID	02/27/2025	2.35	100.0	92.40

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134824

Review By	Jaswal	Review On	3/6/2025 12:06:26 PM
Supervise By	Mohan	Supervise On	3/6/2025 12:07:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP84665,MP84666,MP84667,MP84668,MP84669,MP84670
ICV Standard	MP84671
CCV Standard	MP84673
ICSA Standard	
CRI Standard	MP84675
LCS Standard	
Chk Standard	MP84672,MP84674,MP84676,MP84678

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	02/27/25 09:30		Mohan	OK
2	S0.2	S0.2	CAL2	02/27/25 09:32		Mohan	OK
3	S2.5	S2.5	CAL3	02/27/25 09:37		Mohan	OK
4	S5	S5	CAL4	02/27/25 09:39		Mohan	OK
5	S7.5	S7.5	CAL5	02/27/25 09:42		Mohan	OK
6	S10	S10	CAL6	02/27/25 09:44		Mohan	OK
7	ICV20	ICV20	ICV	02/27/25 09:49		Mohan	OK
8	ICB20	ICB20	ICB	02/27/25 09:54		Mohan	OK
9	CCV29	CCV29	CCV	02/27/25 09:57		Mohan	OK
10	CCB29	CCB29	CCB	02/27/25 10:02		Mohan	OK
11	CRA	CRA	CRDL	02/27/25 10:04		Mohan	OK
12	HighStd	HighStd	HIGH STD	02/27/25 10:06		Mohan	OK
13	ChkStd	ChkStd	SAM	02/27/25 10:08		Mohan	OK
14	PB166888BL	PB166888BL	MB	02/27/25 10:13		Mohan	OK
15	PB166888BS	PB166888BS	LCS	02/27/25 10:16		Mohan	OK
16	Q1427-01	VNJ-227	SAM	02/27/25 10:18		Mohan	OK
17	Q1428-01	NB-07-022525	SAM	02/27/25 10:20		Mohan	OK
18	Q1440-01	OR-02-022625	SAM	02/27/25 10:22		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134824

Review By	Jaswal	Review On	3/6/2025 12:06:26 PM
Supervise By	Mohan	Supervise On	3/6/2025 12:07:24 PM

STD. NAME	STD REF.#
ICAL Standard	MP84665,MP84666,MP84667,MP84668,MP84669,MP84670
ICV Standard	MP84671
CCV Standard	MP84673
ICSA Standard	
CRI Standard	MP84675
LCS Standard	
Chk Standard	MP84672,MP84674,MP84676,MP84678

19	Q1441-01	HD-02-022625	SAM	02/27/25 10:25		Mohan	OK
20	Q1442-03	351	SAM	02/27/25 10:27		Mohan	OK
21	CCV30	CCV30	CCV	02/27/25 10:29		Mohan	OK
22	CCB30	CCB30	CCB	02/27/25 10:34		Mohan	OK
23	Q1447-01	WC1	SAM	02/27/25 10:37		Mohan	OK
24	Q1447-01DUP	WC1DUP	DUP	02/27/25 10:39		Mohan	OK
25	Q1447-01MS	WC1MS	MS	02/27/25 10:41		Mohan	OK
26	Q1447-01MSD	WC1MSD	MSD	02/27/25 10:43		Mohan	OK
27	Q1447-01L	WC1L	SD	02/27/25 10:46		Mohan	OK
28	Q1447-01A	WC1A	PS	02/27/25 10:48		Mohan	OK
29	CCV31	CCV31	CCV	02/27/25 10:50		Mohan	OK
30	CCB31	CCB31	CCB	02/27/25 10:55		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134904

Review By	kareem	Review On	3/6/2025 12:15:01 PM
Supervise By	Mohan	Supervise On	3/6/2025 12:16:30 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84642,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/05/25 10:17		Kareem	OK
2	S1	S1	CAL2	03/05/25 10:22		Kareem	OK
3	S2	S2	CAL3	03/05/25 10:26		Kareem	OK
4	S3	S3	CAL4	03/05/25 10:30		Kareem	OK
5	S4	S4	CAL5	03/05/25 10:34		Kareem	OK
6	S5	S5	CAL6	03/05/25 10:39		Kareem	OK
7	ICV01	ICV01	ICV	03/05/25 10:43		Kareem	OK
8	LLICV01	LLICV01	LLICV	03/05/25 10:51		Kareem	OK
9	ICB01	ICB01	ICB	03/05/25 10:56		Kareem	OK
10	CRI01	CRI01	CRDL	03/05/25 11:00		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/05/25 11:04		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/05/25 11:09		Kareem	OK
13	CCV01	CCV01	CCV	03/05/25 11:13		Kareem	OK
14	CCB01	CCB01	CCB	03/05/25 11:17		Kareem	OK
15	Q1447-01	WC1	SAM	03/05/25 11:21		Kareem	OK
16	Q1474-01	BU-03-02282025	SAM	03/05/25 11:26		Kareem	OK
17	Q1480-01	TP-1	SAM	03/05/25 11:30		Kareem	OK
18	Q1480-09	TP-2	SAM	03/05/25 11:34		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134904

Review By	kareem	Review On	3/6/2025 12:15:01 PM
Supervise By	Mohan	Supervise On	3/6/2025 12:16:30 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84642,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

19	Q1480-17	TP-3	SAM	03/05/25 11:38		Kareem	OK
20	Q1480-25	TP-4	SAM	03/05/25 11:43		Kareem	OK
21	Q1474-01DUP	BU-03-02282025DUP	DUP	03/05/25 11:47		Kareem	OK
22	Q1474-01L	BU-03-02282025L	SD	03/05/25 11:51		Kareem	OK
23	CCV02	CCV02	CCV	03/05/25 11:55		Kareem	OK
24	CCB02	CCB02	CCB	03/05/25 11:59		Kareem	OK
25	Q1474-01MS	BU-03-02282025MS	MS	03/05/25 12:04	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
26	Q1474-01MSD	BU-03-02282025MSD	MSD	03/05/25 12:07	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
27	Q1474-01A	BU-03-02282025A	PS	03/05/25 12:11	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
28	LR1	LR1	HIGH STD	03/05/25 12:15		Kareem	OK
29	LR2	LR2	HIGH STD	03/05/25 12:20		Kareem	OK
30	Q1447-01DUP	WC1DUP	DUP	03/05/25 12:25		Kareem	OK
31	Q1447-01L	WC1L	SD	03/05/25 12:29		Kareem	OK
32	Q1447-01MS	WC1MS	MS	03/05/25 12:33	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
33	Q1447-01MSD	WC1MSD	MSD	03/05/25 12:37	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134904

Review By	kareem	Review On	3/6/2025 12:15:01 PM
Supervise By	Mohan	Supervise On	3/6/2025 12:16:30 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84642,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

34	Q1447-01A	WC1A	PS	03/05/25 12:41	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
35	CCV03	CCV03	CCV	03/05/25 12:45		Kareem	OK
36	CCB03	CCB03	CCB	03/05/25 12:49		Kareem	OK
37	PB166962BL	PB166962BL	MB	03/05/25 13:12		Kareem	OK
38	PB166962BS	PB166962BS	LCS	03/05/25 13:17	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
39	PB166897BL	PB166897BL	MB	03/05/25 13:21		Kareem	OK
40	PB166898BL	PB166898BL	MB	03/05/25 13:29		Kareem	OK
41	PB166924BL	PB166924BL	MB	03/05/25 13:37		Kareem	OK
42	PB166924BS	PB166924BS	LCS	03/05/25 13:42	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
43	Q1451-01	VNJ208	SAM	03/05/25 13:46		Kareem	OK
44	Q1475-01	TR-04-02282025	SAM	03/05/25 13:50		Kareem	OK
45	PB166897BS	PB166897BS	LCS	03/05/25 13:59	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
46	PB166898BS	PB166898BS	LCS	03/05/25 14:03	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
47	CCV04	CCV04	CCV	03/05/25 14:07		Kareem	OK
48	CCB04	CCB04	CCB	03/05/25 14:11		Kareem	OK

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB166888

SOP ID : M7471B-Mercury-18

SDG No : N/A

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 02/27/2025 **Time :** 07:40 **Temp :** 94 °C

End Digest Date: 02/27/2025 **Time :** 08:10 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: 12

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84671
CCV	30mL	MP84673
CRA	30mL	MP84675
Blank Spike	0.48mL	MP84664
Matrix Spike	0.48mL	MP84664

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP84677
KMnO4 (5%)	4.5mL	MP84564
Hydroxylamine HCL (12%)	2.0mL	MP84566
PTFE Boiling Stones	2.0mL	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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP84665
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84666
2.5 ppb	S2.5	30mL	MP84667
5.0 ppb	S5.0	30mL	MP84668
7.5 ppb	S7.5	30mL	MP84669
10.0 ppb	S10.0	30mL	MP84670
ICV	ICV	30mL	MP84671
ICB	ICB	30mL	MP84672
CCV	CCV	30mL	MP84673
CCB	CCB	30mL	MP84674
CRI	CRI	30mL	MP84675
CHK STD	CHK STD	30mL	MP84676

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/27/25 @ 8:57	MB - Dig Lab	MB - Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB166888

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB166888BL	PBS888	0.52	35	NA	N/A	3-1
PB166888BS	LCS888	0.57	35	NA	MP84664	2
Q1427-01	VNJ-227	0.50	35	NA	N/A	3
Q1428-01	NB-07-022525	0.57	35	NA	N/A	4
Q1440-01	OR-02-022625	0.54	35	NA	N/A	5
Q1441-01	HD-02-022625	0.54	35	NA	N/A	6
Q1442-03	351	0.54	35	NA	N/A	7
Q1447-01	WC1	0.56	35	NA	N/A	8
Q1447-01DUP	WC1DUP	0.55	35	NA	N/A	9
Q1447-01MS	WC1MS	0.57	35	NA	MP84664	10
Q1447-01MSD	WC1MSD	0.56	35	NA	MP84664	11

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB166898

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete 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 #2 2. N/A

Start Digest Date: 02/27/2025 **Time :** 10:05 **Temp :** 96 °C

End Digest Date: 02/27/2025 **Time :** 12:10 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: SLD.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6003
LFS-2	1.00	M6011
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	M6126
30% H2O2	3.00	M6125
Conc. HCL	10.00	M6121
PTFE Boiling Stones	N/A	M5585
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 # 2 CELL 35 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/27/25 13:10	SLD. met. dig.	Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB166898

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB166898BL	PBS898	N/A	2.03	100	Colorless	Colorless	Fine	N/A	N/A	1
PB166898BS	LCS898	N/A	2.04	100	Colorless	Colorless	Fine	N/A	M6003,M6011	2
Q1440-01	OR-02-022625	N/A	2.39	100	Brown	Yellow	Medium	N/A	N/A	3
Q1441-01	HD-02-022625	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	4
Q1442-03	351	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	5
Q1447-01	WC1	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	6
Q1447-01MS	WC1MS	N/A	2.23	100	Brown	Yellow	Medium	N/A	M6003,M6011	8
Q1447-01MSD	WC1MSD	N/A	2.35	100	Brown	Yellow	Medium	N/A	M6003,M6011	9
Q1447-01DUP	WC1DUP	N/A	2.19	100	Brown	Yellow	Medium	N/A	N/A	7

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Hit Summary Sheet
SW-846

SDG No.: Q1447 **Order ID:** Q1447

Client: G Environmental **Project ID:** Nelson

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC1								
Q1447-02	WC1	TCLP	Barium	2370		62.8	500	ug/L
Q1447-02	WC1	TCLP	Cadmium	7.03	J	0.94	30.0	ug/L
Q1447-02	WC1	TCLP	Lead	373		35.1	60.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-02	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050
7440-39-3	Barium	2370	N*	1	62.8	500	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050
7440-43-9	Cadmium	7.03	J	1	0.94	30.0	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050
7440-47-3	Chromium	6.60	U	1	6.60	50.0	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050
7439-92-1	Lead	373	*	1	35.1	60.0	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	02/27/25 13:15	02/28/25 11:10	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	02/27/25 12:05	03/03/25 20:27	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP METALS				

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

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB22	Mercury	0.20	+/-0.20	U	0.20	CV	02/28/2025	10:40	LB134848

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB35	Mercury	0.20	+/-0.20	U	0.20	CV	02/28/2025	10:47	LB134848
CCB36	Mercury	0.20	+/-0.20	U	0.20	CV	02/28/2025	11:18	LB134848
CCB37	Mercury	0.20	+/-0.20	U	0.20	CV	02/28/2025	11:48	LB134848
CCB38	Mercury	0.20	+/-0.20	U	0.20	CV	02/28/2025	12:09	LB134848

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/03/2025	19:25	LB134881
	Barium	100	+/-100	U	100	P	03/03/2025	19:25	LB134881
	Cadmium	6.00	+/-6.00	U	6.00	P	03/03/2025	19:25	LB134881
	Chromium	10.0	+/-10.0	U	10.0	P	03/03/2025	19:25	LB134881
	Lead	12.0	+/-12.0	U	12.0	P	03/03/2025	19:25	LB134881
	Selenium	20.0	+/-20.0	U	20.0	P	03/03/2025	19:25	LB134881
	Silver	10.0	+/-10.0	U	10.0	P	03/03/2025	19:25	LB134881

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/03/2025	20:01	LB134881
	Barium	100	+/-100	U	100	P	03/03/2025	20:01	LB134881
	Cadmium	6.00	+/-6.00	U	6.00	P	03/03/2025	20:01	LB134881
	Chromium	10.0	+/-10.0	U	10.0	P	03/03/2025	20:01	LB134881
	Lead	12.0	+/-12.0	U	12.0	P	03/03/2025	20:01	LB134881
	Selenium	20.0	+/-20.0	U	20.0	P	03/03/2025	20:01	LB134881
	Silver	2.51	+/-10.0	J	10.0	P	03/03/2025	20:01	LB134881
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	03/03/2025	21:16	LB134881
	Barium	100	+/-100	U	100	P	03/03/2025	21:16	LB134881
	Cadmium	6.00	+/-6.00	U	6.00	P	03/03/2025	21:16	LB134881
	Chromium	10.0	+/-10.0	U	10.0	P	03/03/2025	21:16	LB134881
	Lead	12.0	+/-12.0	U	12.0	P	03/03/2025	21:16	LB134881
	Selenium	20.0	+/-20.0	U	20.0	P	03/03/2025	21:16	LB134881
	Silver	10.0	+/-10.0	U	10.0	P	03/03/2025	21:16	LB134881
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	03/03/2025	22:24	LB134881
	Barium	100	+/-100	U	100	P	03/03/2025	22:24	LB134881
	Cadmium	6.00	+/-6.00	U	6.00	P	03/03/2025	22:24	LB134881
	Chromium	10.0	+/-10.0	U	10.0	P	03/03/2025	22:24	LB134881
	Lead	12.0	+/-12.0	U	12.0	P	03/03/2025	22:24	LB134881
	Selenium	20.0	+/-20.0	U	20.0	P	03/03/2025	22:24	LB134881
	Silver	10.0	+/-10.0	U	10.0	P	03/03/2025	22:24	LB134881
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	03/03/2025	23:11	LB134881
	Barium	100	+/-100	U	100	P	03/03/2025	23:11	LB134881
	Cadmium	6.00	+/-6.00	U	6.00	P	03/03/2025	23:11	LB134881
	Chromium	10.0	+/-10.0	U	10.0	P	03/03/2025	23:11	LB134881
	Lead	12.0	+/-12.0	U	12.0	P	03/03/2025	23:11	LB134881
	Selenium	20.0	+/-20.0	U	20.0	P	03/03/2025	23:11	LB134881
	Silver	10.0	+/-10.0	U	10.0	P	03/03/2025	23:11	LB134881
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	03/04/2025	00:08	LB134881
	Barium	100	+/-100	U	100	P	03/04/2025	00:08	LB134881
	Cadmium	6.00	+/-6.00	U	6.00	P	03/04/2025	00:08	LB134881
	Chromium	10.0	+/-10.0	U	10.0	P	03/04/2025	00:08	LB134881
	Lead	12.0	+/-12.0	U	12.0	P	03/04/2025	00:08	LB134881
	Selenium	20.0	+/-20.0	U	20.0	P	03/04/2025	00:08	LB134881
	Silver	10.0	+/-10.0	U	10.0	P	03/04/2025	00:08	LB134881

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	10:56	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	10:56	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	10:56	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	10:56	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	10:56	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	10:56	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	10:56	LB134904

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	11:17	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	11:17	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	11:17	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	11:17	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	11:17	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	11:17	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	11:17	LB134904
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	11:59	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	11:59	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	11:59	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	11:59	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	11:59	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	11:59	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	11:59	LB134904
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	12:49	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	12:49	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	12:49	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	12:49	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	12:49	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	12:49	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	12:49	LB134904
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	03/05/2025	14:11	LB134904
	Barium	100	+/-100	U	100	P	03/05/2025	14:11	LB134904
	Cadmium	6.00	+/-6.00	U	6.00	P	03/05/2025	14:11	LB134904
	Chromium	10.0	+/-10.0	U	10.0	P	03/05/2025	14:11	LB134904
	Lead	12.0	+/-12.0	U	12.0	P	03/05/2025	14:11	LB134904
	Selenium	20.0	+/-20.0	U	20.0	P	03/05/2025	14:11	LB134904
	Silver	10.0	+/-10.0	U	10.0	P	03/05/2025	14:11	LB134904

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166879TB		**WATER**		**Batch Number:**	**PB166936**		**Prep Date:**	**02/27/2025**	
	Mercury	2.00	<2.00	U	2.00	CV	02/28/2025	11:53	LB134848

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166936BL		**WATER**		**Batch Number:**	**PB166936**		**Prep Date:**	**02/27/2025**	
	Mercury	0.20	<0.20	U	0.20	CV	02/28/2025	10:56	LB134848

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1447

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166879TB		**WATER**		**Batch Number:**	**PB166897**		**Prep Date:**	**02/27/2025**	
	Arsenic	100	<100	U	100	P	03/03/2025	20:55	LB134881
	Barium	500	<500	U	500	P	03/03/2025	20:55	LB134881
	Cadmium	30.0	<30.0	U	30.0	P	03/03/2025	20:55	LB134881
	Chromium	50.0	<50.0	U	50.0	P	03/03/2025	20:55	LB134881
	Lead	60.0	<60.0	U	60.0	P	03/03/2025	20:55	LB134881
	Selenium	100	<100	U	100	P	03/03/2025	20:55	LB134881
	Silver	50.0	<50.0	U	50.0	P	03/03/2025	20:55	LB134881

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB166897BL		**WATER**		**Batch Number:**	**PB166897**		**Prep Date:**	**02/27/2025**	
	Arsenic	100	<100	U	100	P	03/05/2025	13:21	LB134904
	Barium	500	<500	U	500	P	03/05/2025	13:21	LB134904
	Cadmium	30.0	<30.0	U	30.0	P	03/05/2025	13:21	LB134904
	Chromium	50.0	<50.0	U	50.0	P	03/05/2025	13:21	LB134904
	Lead	60.0	<60.0	U	60.0	P	03/05/2025	13:21	LB134904
	Selenium	100	<100	U	100	P	03/05/2025	13:21	LB134904
	Silver	50.0	<50.0	U	50.0	P	03/05/2025	13:21	LB134904

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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
ICV22	Mercury	3.98	4.0	100	90 - 110	CV	02/28/2025	10:35	LB134848

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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
CCV35	Mercury	5.39	5.0	108	90 - 110	CV	02/28/2025	10:42	LB134848
CCV36	Mercury	4.77	5.0	96	90 - 110	CV	02/28/2025	11:16	LB134848
CCV37	Mercury	4.74	5.0	95	90 - 110	CV	02/28/2025	11:43	LB134848
CCV38	Mercury	4.61	5.0	92	90 - 110	CV	02/28/2025	12:06	LB134848

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	Arsenic	997	1000	100	90 - 110	P	03/03/2025	19:17	LB134881
	Barium	528	520	102	90 - 110	P	03/03/2025	19:17	LB134881
	Cadmium	494	510	97	90 - 110	P	03/03/2025	19:17	LB134881
	Chromium	510	520	98	90 - 110	P	03/03/2025	19:17	LB134881
	Lead	988	1000	99	90 - 110	P	03/03/2025	19:17	LB134881
	Selenium	994	1000	99	90 - 110	P	03/03/2025	19:17	LB134881
	Silver	247	250	99	90 - 110	P	03/03/2025	19:17	LB134881

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	Arsenic	21.2	20.0	106	80 - 120	P	03/03/2025	19:21	LB134881
	Barium	90.9	100	91	80 - 120	P	03/03/2025	19:21	LB134881
	Cadmium	5.82	6.0	97	80 - 120	P	03/03/2025	19:21	LB134881
	Chromium	9.59	10.0	96	80 - 120	P	03/03/2025	19:21	LB134881
	Lead	11.6	12.0	97	80 - 120	P	03/03/2025	19:21	LB134881
	Selenium	19.7	20.0	99	80 - 120	P	03/03/2025	19:21	LB134881
	Silver	9.46	10.0	95	80 - 120	P	03/03/2025	19:21	LB134881

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	Arsenic	5180	5000	104	90 - 110	P	03/03/2025	19:57	LB134881
	Barium	9570	10000	96	90 - 110	P	03/03/2025	19:57	LB134881
	Cadmium	2380	2500	95	90 - 110	P	03/03/2025	19:57	LB134881
	Chromium	957	1000	96	90 - 110	P	03/03/2025	19:57	LB134881
	Lead	4770	5000	95	90 - 110	P	03/03/2025	19:57	LB134881
	Selenium	5250	5000	105	90 - 110	P	03/03/2025	19:57	LB134881
	Silver	1190	1250	95	90 - 110	P	03/03/2025	19:57	LB134881
CCV02	Arsenic	5330	5000	107	90 - 110	P	03/03/2025	21:12	LB134881
	Barium	10300	10000	103	90 - 110	P	03/03/2025	21:12	LB134881
	Cadmium	2640	2500	105	90 - 110	P	03/03/2025	21:12	LB134881
	Chromium	1050	1000	105	90 - 110	P	03/03/2025	21:12	LB134881
	Lead	5300	5000	106	90 - 110	P	03/03/2025	21:12	LB134881
	Selenium	5360	5000	107	90 - 110	P	03/03/2025	21:12	LB134881
	Silver	1300	1250	104	90 - 110	P	03/03/2025	21:12	LB134881
CCV03	Arsenic	5140	5000	103	90 - 110	P	03/03/2025	22:02	LB134881
	Barium	10100	10000	101	90 - 110	P	03/03/2025	22:02	LB134881
	Cadmium	2540	2500	102	90 - 110	P	03/03/2025	22:02	LB134881
	Chromium	1020	1000	102	90 - 110	P	03/03/2025	22:02	LB134881
	Lead	5080	5000	102	90 - 110	P	03/03/2025	22:02	LB134881
	Selenium	5180	5000	104	90 - 110	P	03/03/2025	22:02	LB134881
	Silver	1280	1250	102	90 - 110	P	03/03/2025	22:02	LB134881
CCV04	Arsenic	5000	5000	100	90 - 110	P	03/03/2025	23:07	LB134881
	Barium	9860	10000	99	90 - 110	P	03/03/2025	23:07	LB134881
	Cadmium	2480	2500	99	90 - 110	P	03/03/2025	23:07	LB134881
	Chromium	985	1000	98	90 - 110	P	03/03/2025	23:07	LB134881
	Lead	4950	5000	99	90 - 110	P	03/03/2025	23:07	LB134881
	Selenium	5010	5000	100	90 - 110	P	03/03/2025	23:07	LB134881
	Silver	1230	1250	98	90 - 110	P	03/03/2025	23:07	LB134881
CCV05	Arsenic	4870	5000	97	90 - 110	P	03/04/2025	00:03	LB134881
	Barium	9750	10000	98	90 - 110	P	03/04/2025	00:03	LB134881
	Cadmium	2430	2500	97	90 - 110	P	03/04/2025	00:03	LB134881
	Chromium	973	1000	97	90 - 110	P	03/04/2025	00:03	LB134881
	Lead	4850	5000	97	90 - 110	P	03/04/2025	00:03	LB134881
	Selenium	4890	5000	98	90 - 110	P	03/04/2025	00:03	LB134881

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	Silver	1210	1250	97	90 - 110	P	03/04/2025	00:03	LB134881

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	Arsenic	1040	1000	104	90 - 110	P	03/05/2025	10:43	LB134904
	Barium	493	520	95	90 - 110	P	03/05/2025	10:43	LB134904
	Cadmium	508	510	100	90 - 110	P	03/05/2025	10:43	LB134904
	Chromium	534	520	103	90 - 110	P	03/05/2025	10:43	LB134904
	Lead	1020	1000	102	90 - 110	P	03/05/2025	10:43	LB134904
	Selenium	1040	1000	104	90 - 110	P	03/05/2025	10:43	LB134904
	Silver	258	250	103	90 - 110	P	03/05/2025	10:43	LB134904

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	Arsenic	19.0	20.0	95	80 - 120	P	03/05/2025	10:51	LB134904
	Barium	92.3	100	92	80 - 120	P	03/05/2025	10:51	LB134904
	Cadmium	5.96	6.0	99	80 - 120	P	03/05/2025	10:51	LB134904
	Chromium	10.7	10.0	107	80 - 120	P	03/05/2025	10:51	LB134904
	Lead	11.9	12.0	99	80 - 120	P	03/05/2025	10:51	LB134904
	Selenium	20.8	20.0	104	80 - 120	P	03/05/2025	10:51	LB134904
	Silver	10.7	10.0	107	80 - 120	P	03/05/2025	10:51	LB134904

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	Arsenic	5100	5000	102	90 - 110	P	03/05/2025	11:13	LB134904
	Barium	9750	10000	98	90 - 110	P	03/05/2025	11:13	LB134904
	Cadmium	2480	2500	99	90 - 110	P	03/05/2025	11:13	LB134904
	Chromium	1030	1000	104	90 - 110	P	03/05/2025	11:13	LB134904
	Lead	5000	5000	100	90 - 110	P	03/05/2025	11:13	LB134904
	Selenium	5150	5000	103	90 - 110	P	03/05/2025	11:13	LB134904
	Silver	1280	1250	102	90 - 110	P	03/05/2025	11:13	LB134904
CCV02	Arsenic	5190	5000	104	90 - 110	P	03/05/2025	11:55	LB134904
	Barium	9730	10000	97	90 - 110	P	03/05/2025	11:55	LB134904
	Cadmium	2500	2500	100	90 - 110	P	03/05/2025	11:55	LB134904
	Chromium	1040	1000	104	90 - 110	P	03/05/2025	11:55	LB134904
	Lead	5050	5000	101	90 - 110	P	03/05/2025	11:55	LB134904
	Selenium	5210	5000	104	90 - 110	P	03/05/2025	11:55	LB134904
	Silver	1300	1250	104	90 - 110	P	03/05/2025	11:55	LB134904
CCV03	Arsenic	5020	5000	100	90 - 110	P	03/05/2025	12:45	LB134904
	Barium	10000	10000	100	90 - 110	P	03/05/2025	12:45	LB134904
	Cadmium	2450	2500	98	90 - 110	P	03/05/2025	12:45	LB134904
	Chromium	1020	1000	102	90 - 110	P	03/05/2025	12:45	LB134904
	Lead	4940	5000	99	90 - 110	P	03/05/2025	12:45	LB134904
	Selenium	5040	5000	101	90 - 110	P	03/05/2025	12:45	LB134904
	Silver	1280	1250	102	90 - 110	P	03/05/2025	12:45	LB134904
CCV04	Arsenic	4980	5000	100	90 - 110	P	03/05/2025	14:07	LB134904
	Barium	10200	10000	102	90 - 110	P	03/05/2025	14:07	LB134904
	Cadmium	2490	2500	100	90 - 110	P	03/05/2025	14:07	LB134904
	Chromium	1020	1000	102	90 - 110	P	03/05/2025	14:07	LB134904
	Lead	4980	5000	100	90 - 110	P	03/05/2025	14:07	LB134904
	Selenium	4980	5000	100	90 - 110	P	03/05/2025	14:07	LB134904
	Silver	1270	1250	102	90 - 110	P	03/05/2025	14:07	LB134904

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Metals

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CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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	0.19	0.2	96	40 - 160	CV	02/28/2025	10:49	LB134848
CRI01	Arsenic	18.7	20.0	94	40 - 160	P	03/03/2025	19:30	LB134881
	Barium	87.6	100	88	40 - 160	P	03/03/2025	19:30	LB134881
	Cadmium	5.64	6.0	94	40 - 160	P	03/03/2025	19:30	LB134881
	Chromium	9.59	10.0	96	40 - 160	P	03/03/2025	19:30	LB134881
	Lead	11.5	12.0	96	40 - 160	P	03/03/2025	19:30	LB134881
	Selenium	18.0	20.0	90	40 - 160	P	03/03/2025	19:30	LB134881
	Silver	9.81	10.0	98	40 - 160	P	03/03/2025	19:30	LB134881
CRI01	Arsenic	20.2	20.0	101	40 - 160	P	03/05/2025	11:00	LB134904
	Barium	91.8	100	92	40 - 160	P	03/05/2025	11:00	LB134904
	Cadmium	5.85	6.0	98	40 - 160	P	03/05/2025	11:00	LB134904
	Chromium	10.5	10.0	105	40 - 160	P	03/05/2025	11:00	LB134904
	Lead	12.3	12.0	103	40 - 160	P	03/05/2025	11:00	LB134904
	Selenium	18.9	20.0	95	40 - 160	P	03/05/2025	11:00	LB134904
	Silver	10.5	10.0	105	40 - 160	P	03/05/2025	11:00	LB134904

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

ICS Source: EPA **Instrument ID:** P4

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	Arsenic	1.51			-20	20	03/03/2025	19:34	LB134881
	Barium	6.31	6.0	105	-94	106	03/03/2025	19:34	LB134881
	Cadmium	-2.67	1.0	267	-5	7	03/03/2025	19:34	LB134881
	Chromium	54.7	52.0	105	42	62	03/03/2025	19:34	LB134881
	Lead	2.16			-12	12	03/03/2025	19:34	LB134881
	Selenium	-6.38			-20	20	03/03/2025	19:34	LB134881
	Silver	1.77			-10	10	03/03/2025	19:34	LB134881
ICSAB01	Arsenic	109	104	105	88.4	120	03/03/2025	19:38	LB134881
	Barium	460	537	86	437	637	03/03/2025	19:38	LB134881
	Cadmium	972	972	100	826	1120	03/03/2025	19:38	LB134881
	Chromium	534	542	98	460	624	03/03/2025	19:38	LB134881
	Lead	50.3	49.0	103	37	61	03/03/2025	19:38	LB134881
	Selenium	39.0	46.0	85	26	66	03/03/2025	19:38	LB134881
	Silver	206	201	102	170	232	03/03/2025	19:38	LB134881
ICSA01	Arsenic	4.69			-20	20	03/05/2025	11:04	LB134904
	Barium	3.05	6.0	51	-94	106	03/05/2025	11:04	LB134904
	Cadmium	-3.85	1.0	385	-5	7	03/05/2025	11:04	LB134904
	Chromium	60.3	52.0	116	42	62	03/05/2025	11:04	LB134904
	Lead	3.18			-12	12	03/05/2025	11:04	LB134904
	Selenium	-15.4			-20	20	03/05/2025	11:04	LB134904
	Silver	-1.85			-10	10	03/05/2025	11:04	LB134904
ICSAB01	Arsenic	115	104	111	88.4	120	03/05/2025	11:09	LB134904
	Barium	478	537	89	437	637	03/05/2025	11:09	LB134904
	Cadmium	1000	972	103	826	1120	03/05/2025	11:09	LB134904
	Chromium	583	542	108	460	624	03/05/2025	11:09	LB134904
	Lead	54.9	49.0	112	37	61	03/05/2025	11:09	LB134904
	Selenium	32.0	46.0	70	26	66	03/05/2025	11:09	LB134904
	Silver	224	201	111	170	232	03/05/2025	11:09	LB134904

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1447

contract: GENV01 **lab code:** CHEM **case no.:** Q1447 **sas no.:** Q1447

matrix: Water **sample id:** Q1447-02 **client id:** WC1MS

Percent Solids for Sample: NA **Spiked ID:** Q1447-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4760		100	U	4000	119		P
Barium	ug/L	75 - 125	4090		2370		1000	172	N	P
Cadmium	ug/L	75 - 125	1150		7.03	J	1000	114		P
Chromium	ug/L	75 - 125	2330		50.0	U	2000	116		P
Lead	ug/L	75 - 125	5990		373		5000	112		P
Mercury	ug/L	75 - 125	37.3		2.00	U	40.0	93		CV
Selenium	ug/L	75 - 125	11400		100	U	10000	114		P
Silver	ug/L	75 - 125	427		50.0	U	380	112		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1447

contract: GENV01 **lab code:** CHEM **case no.:** Q1447 **sas no.:** Q1447

matrix: Water **sample id:** Q1447-02 **client id:** WC1MSD

Percent Solids for Sample: NA **Spiked ID:** Q1447-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4470		100	U	4000	112		P
Barium	ug/L	75 - 125	3790		2370		1000	142	N	P
Cadmium	ug/L	75 - 125	1080		7.03	J	1000	107		P
Chromium	ug/L	75 - 125	2170		50.0	U	2000	108		P
Lead	ug/L	75 - 125	5630		373		5000	105		P
Mercury	ug/L	75 - 125	36.9		2.00	U	40.0	92		CV
Selenium	ug/L	75 - 125	10700		100	U	10000	107		P
Silver	ug/L	75 - 125	397		50.0	U	380	104		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Matrix: Water **Level:** LOW **Client ID:** WC1A

Sample ID: Q1447-02 **Spiked ID:** Q1447-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	75 - 125	3780		2370		1000	141		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Matrix: Water **Sample ID:** Q1447-02 **Client ID:** WC1DUP

Percent Solids for Sample: NA **Duplicate ID** Q1447-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	2370		3120		27	*	P
Cadmium	ug/L	20	7.03	J	9.21	J	27		P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	373		501		29	*	P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Matrix: Water **Sample ID:** Q1447-02MS **Client ID:** WC1MSD

Percent Solids for Sample: NA **Duplicate ID** Q1447-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4760		4470		6		P
Barium	ug/L	20	4090		3790		8		P
Cadmium	ug/L	20	1150		1080		6		P
Chromium	ug/L	20	2330		2170		7		P
Lead	ug/L	20	5990		5630		6		P
Mercury	ug/L	20	37.3		36.9		1		CV
Selenium	ug/L	20	11400		10700		6		P
Silver	ug/L	20	427		397		7		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166897BS							
Arsenic	ug/L	4000	3960		99	80 - 120	P
Barium	ug/L	1000	877		88	80 - 120	P
Cadmium	ug/L	1000	931		93	80 - 120	P
Chromium	ug/L	2000	2010		100	80 - 120	P
Lead	ug/L	5000	4730		95	80 - 120	P
Selenium	ug/L	10000	9740		97	80 - 120	P
Silver	ug/L	380	377		99	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB166936BS							
Mercury	ug/L	4.0	4.09		102	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WC1L

Lab Name: Chemtech Consulting Group **Contract:** GENV01

Lab Code: CHEM **Lb No.:** lb134881 **Lab Sample ID :** Q1447-02L **SDG No.:** Q1447

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	100	U	500	U			P
Barium	2370		3260		37		P
Cadmium	7.03	J	11.0	J	57		P
Chromium	50.0	U	250	U			P
Lead	373		539		45		P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1447 **Sas no.:** Q1447 **Sdg no.:** Q1447

Instrument id number: **Method:** **Run number:** LB134848

Start date: 02/28/2025 **End date:** 02/28/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1021	HG
S0.2	S0.2	1	1023	HG
S2.5	S2.5	1	1025	HG
S5	S5	1	1028	HG
S7.5	S7.5	1	1030	HG
S10	S10	1	1032	HG
ICV22	ICV22	1	1035	HG
ICB22	ICB22	1	1040	HG
CCV35	CCV35	1	1042	HG
CCB35	CCB35	1	1047	HG
CRA	CRA	1	1049	HG
PB166936BL	PB166936BL	1	1056	HG
PB166936BS	PB166936BS	1	1058	HG
Q1447-02	WC1	1	1110	HG
CCV36	CCV36	1	1116	HG
CCB36	CCB36	1	1118	HG
Q1447-02DUP	WC1DUP	1	1121	HG
Q1447-02MS	WC1MS	1	1123	HG
Q1447-02MSD	WC1MSD	1	1125	HG
CCV37	CCV37	1	1143	HG
CCB37	CCB37	1	1148	HG
PB166879TB	PB166879TB	1	1153	HG
Q1447-02L	WC1L	5	1155	HG
CCV38	CCV38	1	1206	HG
CCB38	CCB38	1	1209	HG

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1447 **Sas no.:** Q1447 **Sdg no.:** Q1447

Instrument id number: **Method:** **Run number:** LB134881

Start date: 03/03/2025 **End date:** 03/04/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1826	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1831	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1835	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1839	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1843	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1847	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1917	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1921	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1925	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1930	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1934	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1938	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1957	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	2001	Ag,As,Ba,Cd,Cr,Pb,Se
Q1447-02	WC1	1	2027	Ag,As,Ba,Cd,Cr,Pb,Se
PB166879TB	PB166879TB	1	2055	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	2112	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	2116	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	2202	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	2224	Ag,As,Ba,Cd,Cr,Pb,Se
Q1447-02DUP	WC1DUP	1	2245	Ag,As,Ba,Cd,Cr,Pb,Se
Q1447-02L	WC1L	5	2250	Ag,As,Ba,Cd,Cr,Pb,Se
Q1447-02MS	WC1MS	1	2254	Ag,As,Ba,Cd,Cr,Pb,Se
Q1447-02MSD	WC1MSD	1	2258	Ag,As,Ba,Cd,Cr,Pb,Se
Q1447-02A	WC1A	1	2302	Ba
CCV04	CCV04	1	2307	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	2311	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	0003	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	0008	Ag,As,Ba,Cd,Cr,Pb,Se

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1447 **Sas no.:** Q1447 **Sdg no.:** Q1447

Instrument id number: **Method:** **Run number:** LB134904

Start date: 03/05/2025 **End date:** 03/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1017	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1022	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1026	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1030	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1034	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1039	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1043	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1051	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1056	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1100	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1104	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1109	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1113	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1117	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1155	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1159	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1245	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1249	Ag,As,Ba,Cd,Cr,Pb,Se
PB166897BL	PB166897BL	1	1321	Ag,As,Ba,Cd,Cr,Pb,Se
PB166897BS	PB166897BS	1	1359	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1407	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1411	Ag,As,Ba,Cd,Cr,Pb,Se

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	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

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
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

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1447 **SAS No.:** Q1447

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
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
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	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

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LAB CHRONICLE

OrderID:	Q1447	**OrderDate:**	2/26/2025 2:32:53 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	H31,H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1447-01	**WC1**	**SOIL**			**02/23/25**			**02/26/25**
			Mercury	7471B		02/27/25	02/27/25	
			Metals ICP-TAL	6010D		02/27/25	03/05/25	
Q1447-02	**WC1**	**TCLP**			**02/23/25**			**02/26/25**
			TCLP ICP Metals	6010D		02/27/25	03/03/25	
			TCLP Mercury	7470A		02/27/25	02/28/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q1447 **SAS No.:** Q1447

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB166897**						
PB166879TB	PB166879TB	MB	WATER	02/27/2025	5.0	25.0	
PB166897BL	PB166897BL	MB	WATER	02/27/2025	5.0	25.0	
PB166897BS	PB166897BS	LCS	WATER	02/27/2025	5.0	25.0	
Q1447-02	WC1	SAM	WATER	02/27/2025	5.0	25.0	
Q1447-02DUP	WC1DUP	DUP	WATER	02/27/2025	5.0	25.0	
Q1447-02MS	WC1MS	MS	WATER	02/27/2025	5.0	25.0	
Q1447-02MSD	WC1MSD	MSD	WATER	02/27/2025	5.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1447

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q1447 **SAS No.:** Q1447

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB166936**						
PB166879TB	PB166879TB	MB	WATER	02/27/2025	3.0	30.0	
PB166936BL	PB166936BL	MB	WATER	02/27/2025	30.0	30.0	
PB166936BS	PB166936BS	LCS	WATER	02/27/2025	30.0	30.0	
Q1447-02	WC1	SAM	WATER	02/27/2025	3.0	30.0	
Q1447-02DUP	WC1DUP	DUP	WATER	02/27/2025	3.0	30.0	
Q1447-02MS	WC1MS	MS	WATER	02/27/2025	3.0	30.0	
Q1447-02MSD	WC1MSD	MSD	WATER	02/27/2025	3.0	30.0	

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134848

Review By	Mohan	Review On	3/4/2025 8:33:37 AM
Supervise By	jaswal	Supervise On	3/4/2025 8:55:54 AM

STD. NAME	STD REF.#
ICAL Standard	MP84665,MP84666,MP84667,MP84668,MP84669,MP84670
ICV Standard	MP84671
CCV Standard	MP84673
ICSA Standard	
CRI Standard	MP84675
LCS Standard	
Chk Standard	MP84672,MP84674,MP84676,MP84691

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	02/28/25 10:21		Mohan	OK
2	S0.2	S0.2	CAL2	02/28/25 10:23		Mohan	OK
3	S2.5	S2.5	CAL3	02/28/25 10:25		Mohan	OK
4	S5	S5	CAL4	02/28/25 10:28		Mohan	OK
5	S7.5	S7.5	CAL5	02/28/25 10:30		Mohan	OK
6	S10	S10	CAL6	02/28/25 10:32		Mohan	OK
7	ICV22	ICV22	ICV	02/28/25 10:35		Mohan	OK
8	ICB22	ICB22	ICB	02/28/25 10:40		Mohan	OK
9	CCV35	CCV35	CCV	02/28/25 10:42		Mohan	OK
10	CCB35	CCB35	CCB	02/28/25 10:47		Mohan	OK
11	CRA	CRA	CRDL	02/28/25 10:49		Mohan	OK
12	HighStd	HighStd	HIGH STD	02/28/25 10:52		Mohan	OK
13	ChkStd	ChkStd	SAM	02/28/25 10:54		Mohan	OK
14	PB166936BL	PB166936BL	MB	02/28/25 10:56		Mohan	OK
15	PB166936BS	PB166936BS	LCS	02/28/25 10:58		Mohan	OK
16	Q1427-02	VNJ-227	SAM	02/28/25 11:01		Mohan	OK
17	Q1442-01	280	SAM	02/28/25 11:03		Mohan	OK
18	Q1442-02	281	SAM	02/28/25 11:05		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134848

Review By	Mohan	Review On	3/4/2025 8:33:37 AM
Supervise By	jaswal	Supervise On	3/4/2025 8:55:54 AM

STD. NAME	STD REF.#
ICAL Standard	MP84665,MP84666,MP84667,MP84668,MP84669,MP84670
ICV Standard	MP84671
CCV Standard	MP84673
ICSA Standard	
CRI Standard	MP84675
LCS Standard	
Chk Standard	MP84672,MP84674,MP84676,MP84691

19	Q1443-01	3733	SAM	02/28/25 11:08		Mohan	OK
20	Q1447-02	WC1	SAM	02/28/25 11:10		Mohan	OK
21	CCV36	CCV36	CCV	02/28/25 11:16		Mohan	OK
22	CCB36	CCB36	CCB	02/28/25 11:18		Mohan	OK
23	Q1447-02DUP	WC1DUP	DUP	02/28/25 11:21		Mohan	OK
24	Q1447-02MS	WC1MS	MS	02/28/25 11:23		Mohan	OK
25	Q1447-02MSD	WC1MSD	MSD	02/28/25 11:25		Mohan	OK
26	PB166937BL	PB166937BL	MB	02/28/25 11:27		Mohan	OK
27	PB166937BS	PB166937BS	LCS	02/28/25 11:30		Mohan	OK
28	Q1435-01	286107	SAM	02/28/25 11:32		Mohan	OK
29	Q1439-02	LRSA-MOD	SAM	02/28/25 11:34		Mohan	OK
30	Q1439-02DUP	LRSA-MODDUP	DUP	02/28/25 11:37		Mohan	OK
31	Q1439-02MS	LRSA-MODMS	MS	02/28/25 11:39		Mohan	OK
32	Q1439-02MSD	LRSA-MODMSD	MSD	02/28/25 11:41		Mohan	OK
33	CCV37	CCV37	CCV	02/28/25 11:43		Mohan	OK
34	CCB37	CCB37	CCB	02/28/25 11:48		Mohan	OK
35	Q1442-05	278	SAM	02/28/25 11:51		Mohan	OK
36	PB166879TB	PB166879TB	MB	02/28/25 11:53		Mohan	OK
37	Q1447-02L	WC1L	SD	02/28/25 11:55		Mohan	OK
38	Q1447-02A	WC1A	PS	02/28/25 11:57		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134848

Review By	Mohan	Review On	3/4/2025 8:33:37 AM
Supervise By	jaswal	Supervise On	3/4/2025 8:55:54 AM

STD. NAME	STD REF.#
ICAL Standard	MP84665,MP84666,MP84667,MP84668,MP84669,MP84670
ICV Standard	MP84671
CCV Standard	MP84673
ICSA Standard	
CRI Standard	MP84675
LCS Standard	
Chk Standard	MP84672,MP84674,MP84676,MP84691

39	Q1439-02L	LRSA-MODL	SD	02/28/25 12:00		Mohan	OK
40	Q1439-02A	LRSA-MODA	PS	02/28/25 12:02		Mohan	OK
41	CCV38	CCV38	CCV	02/28/25 12:06		Mohan	OK
42	CCB38	CCB38	CCB	02/28/25 12:09		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134881

Review By	kareem	Review On	3/4/2025 12:24:05 PM
Supervise By	Mohan	Supervise On	3/5/2025 4:17:58 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84642
LCS Standard	
Chk Standard	MP84649,MP84650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/03/25 18:26		Kareem	OK
2	S1	S1	CAL2	03/03/25 18:31		Kareem	OK
3	S2	S2	CAL3	03/03/25 18:35		Kareem	OK
4	S3	S3	CAL4	03/03/25 18:39		Kareem	OK
5	S4	S4	CAL5	03/03/25 18:43		Kareem	OK
6	S5	S5	CAL6	03/03/25 18:47		Kareem	OK
7	ICV01	ICV01	ICV	03/03/25 19:17	ICV Fail for K,Na (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	03/03/25 19:21		Kareem	OK
9	ICB01	ICB01	ICB	03/03/25 19:25		Kareem	OK
10	CRI01	CRI01	CRDL	03/03/25 19:30		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/03/25 19:34		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/03/25 19:38		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/03/25 19:42		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/03/25 19:46		Kareem	OK
15	CCV01	CCV01	CCV	03/03/25 19:57		Kareem	OK
16	CCB01	CCB01	CCB	03/03/25 20:01		Kareem	OK
17	Q1420-04	TP-1-WC	SAM	03/03/25 20:05		Kareem	OK
18	Q1420-08	TP-2-WC	SAM	03/03/25 20:09		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134881

Review By	kareem	Review On	3/4/2025 12:24:05 PM
Supervise By	Mohan	Supervise On	3/5/2025 4:17:58 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84642
LCS Standard	
Chk Standard	MP84649,MP84650

19	Q1442-01	280	SAM	03/03/25 20:14		Kareem	OK
20	Q1442-02	281	SAM	03/03/25 20:18		Kareem	OK
21	Q1443-01	3733	SAM	03/03/25 20:23		Kareem	OK
22	Q1447-02	WC1	SAM	03/03/25 20:27		Kareem	OK
23	PB166879TB	PB166879TB	MB	03/03/25 20:55		Kareem	OK
24	CCV02	CCV02	CCV	03/03/25 21:12		Kareem	OK
25	CCB02	CCB02	CCB	03/03/25 21:16		Kareem	OK
26	Q1457-01	HR-0-02272025	SAM	03/03/25 21:21		Kareem	OK
27	Q1420-01	TP-1-WC	SAM	03/03/25 21:25		Kareem	OK
28	Q1420-05	TP-2-WC	SAM	03/03/25 21:29		Kareem	OK
29	Q1457-01DUP	HR-0-02272025DUP	DUP	03/03/25 21:33		Kareem	OK
30	Q1457-01L	HR-0-02272025L	SD	03/03/25 21:37		Kareem	OK
31	Q1457-01MS	HR-0-02272025MS	MS	03/03/25 21:41	0.1 ML M6003 AND M6011	Kareem	OK
32	LR1	LR1	HIGH STD	03/03/25 21:45		Kareem	OK
33	LR2	LR2	HIGH STD	03/03/25 21:50		Kareem	OK
34	Q1457-01MSD	HR-0-02272025MSD	MSD	03/03/25 21:55	0.1 ML M6003 AND M6011	Kareem	OK
35	Q1457-01A	HR-0-02272025A	PS	03/03/25 21:59	0.1 ML M6003 AND M6011	Kareem	OK
36	CCV03	CCV03	CCV	03/03/25 22:02		Kareem	OK
37	CCB03	CCB03	CCB	03/03/25 22:24		Kareem	OK
38	Q1439-01	LRSA-MOD	SAM	03/03/25 22:28		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134881

Review By	kareem	Review On	3/4/2025 12:24:05 PM
Supervise By	Mohan	Supervise On	3/5/2025 4:17:58 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84642
LCS Standard	
Chk Standard	MP84649,MP84650

39	Q1439-02	LRSA-MOD	SAM	03/03/25 22:33		Kareem	OK
40	Q1440-01	OR-02-022625	SAM	03/03/25 22:37		Kareem	OK
41	Q1441-01	HD-02-022625	SAM	03/03/25 22:41		Kareem	OK
42	Q1447-02DUP	WC1DUP	DUP	03/03/25 22:45		Kareem	OK
43	Q1447-02L	WC1L	SD	03/03/25 22:50		Kareem	OK
44	Q1447-02MS	WC1MS	MS	03/03/25 22:54	0.1 ML M6003 AND M6011	Kareem	OK
45	Q1447-02MSD	WC1MSD	MSD	03/03/25 22:58	0.1 ML M6003 AND M6011	Kareem	OK
46	Q1447-02A	WC1A	PS	03/03/25 23:02	0.1 ML M6003 AND M6011	Kareem	OK
47	CCV04	CCV04	CCV	03/03/25 23:07		Kareem	OK
48	CCB04	CCB04	CCB	03/03/25 23:11		Kareem	OK
49	Q1439-02DUP	LRSA-MODDUP	DUP	03/03/25 23:15		Kareem	OK
50	Q1439-02L	LRSA-MODL	SD	03/03/25 23:20		Kareem	OK
51	Q1439-02MS	LRSA-MODMS	MS	03/03/25 23:24	0.1 ML M6003 AND M6011	Kareem	OK
52	Q1439-02MSD	LRSA-MODMSD	MSD	03/03/25 23:28	0.1 ML M6003 AND M6011	Kareem	OK
53	Q1439-02A	LRSA-MODA	PS	03/03/25 23:32	0.1 ML M6003 AND M6011	Kareem	OK
54	PB166904BL	PB166904BL	MB	03/03/25 23:42		Kareem	OK
55	PB166904BS	PB166904BS	LCS	03/03/25 23:46	0.1 ML M6003 AND M6011	Kareem	OK
56	PB166926BL	PB166926BL	MB	03/03/25 23:55		Kareem	OK
57	PB166926BS	PB166926BS	LCS	03/03/25 23:59	0.1 ML M6003 AND M6011	Kareem	OK
58	CCV05	CCV05	CCV	03/04/25 00:03		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134881

Review By	kareem	Review On	3/4/2025 12:24:05 PM
Supervise By	Mohan	Supervise On	3/5/2025 4:17:58 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84642
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84642
LCS Standard	
Chk Standard	MP84649,MP84650

59	CCB05	CCB05	CCB	03/04/25 00:08		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134904

Review By	kareem	Review On	3/6/2025 12:15:01 PM
Supervise By	Mohan	Supervise On	3/6/2025 12:16:30 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84642,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/05/25 10:17		Kareem	OK
2	S1	S1	CAL2	03/05/25 10:22		Kareem	OK
3	S2	S2	CAL3	03/05/25 10:26		Kareem	OK
4	S3	S3	CAL4	03/05/25 10:30		Kareem	OK
5	S4	S4	CAL5	03/05/25 10:34		Kareem	OK
6	S5	S5	CAL6	03/05/25 10:39		Kareem	OK
7	ICV01	ICV01	ICV	03/05/25 10:43		Kareem	OK
8	LLICV01	LLICV01	LLICV	03/05/25 10:51		Kareem	OK
9	ICB01	ICB01	ICB	03/05/25 10:56		Kareem	OK
10	CRI01	CRI01	CRDL	03/05/25 11:00		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/05/25 11:04		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/05/25 11:09		Kareem	OK
13	CCV01	CCV01	CCV	03/05/25 11:13		Kareem	OK
14	CCB01	CCB01	CCB	03/05/25 11:17		Kareem	OK
15	Q1447-01	WC1	SAM	03/05/25 11:21		Kareem	OK
16	Q1474-01	BU-03-02282025	SAM	03/05/25 11:26		Kareem	OK
17	Q1480-01	TP-1	SAM	03/05/25 11:30		Kareem	OK
18	Q1480-09	TP-2	SAM	03/05/25 11:34		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134904

Review By	kareem	Review On	3/6/2025 12:15:01 PM
Supervise By	Mohan	Supervise On	3/6/2025 12:16:30 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84642,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

19	Q1480-17	TP-3	SAM	03/05/25 11:38		Kareem	OK
20	Q1480-25	TP-4	SAM	03/05/25 11:43		Kareem	OK
21	Q1474-01DUP	BU-03-02282025DUP	DUP	03/05/25 11:47		Kareem	OK
22	Q1474-01L	BU-03-02282025L	SD	03/05/25 11:51		Kareem	OK
23	CCV02	CCV02	CCV	03/05/25 11:55		Kareem	OK
24	CCB02	CCB02	CCB	03/05/25 11:59		Kareem	OK
25	Q1474-01MS	BU-03-02282025MS	MS	03/05/25 12:04	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
26	Q1474-01MSD	BU-03-02282025MSD	MSD	03/05/25 12:07	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
27	Q1474-01A	BU-03-02282025A	PS	03/05/25 12:11	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
28	LR1	LR1	HIGH STD	03/05/25 12:15		Kareem	OK
29	LR2	LR2	HIGH STD	03/05/25 12:20		Kareem	OK
30	Q1447-01DUP	WC1DUP	DUP	03/05/25 12:25		Kareem	OK
31	Q1447-01L	WC1L	SD	03/05/25 12:29		Kareem	OK
32	Q1447-01MS	WC1MS	MS	03/05/25 12:33	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
33	Q1447-01MSD	WC1MSD	MSD	03/05/25 12:37	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134904

Review By	kareem	Review On	3/6/2025 12:15:01 PM
Supervise By	Mohan	Supervise On	3/6/2025 12:16:30 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84642,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

34	Q1447-01A	WC1A	PS	03/05/25 12:41	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
35	CCV03	CCV03	CCV	03/05/25 12:45		Kareem	OK
36	CCB03	CCB03	CCB	03/05/25 12:49		Kareem	OK
37	PB166962BL	PB166962BL	MB	03/05/25 13:12		Kareem	OK
38	PB166962BS	PB166962BS	LCS	03/05/25 13:17	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
39	PB166897BL	PB166897BL	MB	03/05/25 13:21		Kareem	OK
40	PB166898BL	PB166898BL	MB	03/05/25 13:29		Kareem	OK
41	PB166924BL	PB166924BL	MB	03/05/25 13:37		Kareem	OK
42	PB166924BS	PB166924BS	LCS	03/05/25 13:42	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
43	Q1451-01	VNJ208	SAM	03/05/25 13:46		Kareem	OK
44	Q1475-01	TR-04-02282025	SAM	03/05/25 13:50		Kareem	OK
45	PB166897BS	PB166897BS	LCS	03/05/25 13:59	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
46	PB166898BS	PB166898BS	LCS	03/05/25 14:03	0.1 ML M6003 AND M6011 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
47	CCV04	CCV04	CCV	03/05/25 14:07		Kareem	OK
48	CCB04	CCB04	CCB	03/05/25 14:11		Kareem	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB166897

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 02/27/2025 **Time :** 12:05 **Temp :** 96 °C

End Digest Date: 02/27/2025 **Time :** 14:10 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SLG.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6003
LFS-2	0.25	M6011
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
Conc. HNO3	3.00	M6126
1:1 HCL	5.00	MP84297
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:

HOT BLOCK # 1 CELL 55 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/27/25 15:10	SLG. MET. DIG.	Contracts Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB166897

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB166879TB	PB166879TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	1
PB166897BL	PBW897	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	2
PB166897BS	LCS897	<2	5	25	Colorless	Colorless	Clear	Clear	M6003,M6011	3
Q1420-04	TP-1-WC	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	4
Q1420-08	TP-2-WC	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	5
Q1427-02	VNJ-227	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	6
Q1442-01	280	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	7
Q1442-02	281	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	8
Q1443-01	3733	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	9
Q1447-02	WC1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	10
Q1447-02MS	WC1MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6003,M6011	12
Q1447-02MSD	WC1MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6003,M6011	13
Q1447-02DUP	WC1DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	11

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB166936

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 02/27/2025 **Time :** 13:15 **Temp :** 94 °C

End Digest Date: 02/27/2025 **Time :** 15:15 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: IR

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84671
CCV	30mL	MP84673
CRA	30mL	MP84675
Blank Spike	0.48mL	MP84664
Matrix Spike	0.48mL	MP84664

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP84563
KMnO4 (5%)	4.5mL	MP84564
K2S2O8 (5%)	2.5mL	MP84565
Hydroxylamine HCL (12%)	2.0mL	MP84566
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	MP84665
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84666
2.5 ppb	S2.5	30mL	MP84667
5.0 ppb	S5.0	30mL	MP84668
7.5 ppb	S7.5	30mL	MP84669
10.0 ppb	S10.0	30mL	MP84670
ICV	ICV	30mL	MP84671
ICB	ICB	30mL	MP84672
CCV	CCV	30mL	MP84673
CCB	CCB	30mL	MP84674
CRI	CRI	30mL	MP84675
CHK STD	CHK STD	30mL	MP84676

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/27/25 @ 17:16	MB - Dig. Lab	MB - metal Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB166936

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB166879TB	PB166879TB	3	30	<2	N/A	3-1
PB166936BL	PBW936	30	30	<2	N/A	2
PB166936BS	LCS936	30	30	<2	MP84664	3
Q1427-02	VNJ-227	3	30	<2	N/A	4
Q1442-01	280	3	30	<2	N/A	5
Q1442-02	281	3	30	<2	N/A	6
Q1443-01	3733	3	30	<2	N/A	7
Q1447-02	WC1	3	30	<2	N/A	8
Q1447-02DUP	WC1DUP	3	30	<2	N/A	9
Q1447-02MS	WC1MS	3	30	<2	MP84664	10
Q1447-02MSD	WC1MSD	3	30	<2	MP84664	11

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB166879

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 115525

Start Prep Date : 02/26/2025 **Time :** 16:00

End Prep Date : 02/27/2025 **Time :** 10:25

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JB

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JB

Supervisor By : JR

Standared Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 checked,30 rpm. Particle size reduction is not required. q1447-02 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/27/25 11:00	JB TCLP Room	SKG. RS Ext
	Preparation Group	Analysis Group Inorg

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB166879

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB166879TB	LEB879	08	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-1
Q1420-04	TP-1-WC	01	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1420-08	TP-2-WC	02	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1
Q1427-02	VNJ-227	03	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1442-01	280	04	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1442-02	281	05	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q1443-01	3733	06	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1447-02	WC1	07	100.04	2000	N/A	N/A	N/A	5.6	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB166879TB	LEB879	N/A	N/A	N/A	N/A	N/A	N/A
Q1420-04	TP-1-WC	N/A	N/A	N/A	N/A	100	N/A
Q1420-08	TP-2-WC	N/A	N/A	N/A	N/A	100	N/A
Q1427-02	VNJ-227	N/A	N/A	N/A	N/A	100	N/A
Q1442-01	280	N/A	N/A	N/A	N/A	100	N/A
Q1442-02	281	N/A	N/A	N/A	N/A	100	N/A
Q1443-01	3733	N/A	N/A	N/A	N/A	100	N/A
Q1447-02	WC1	N/A	N/A	N/A	N/A	100	N/A

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TCLP Fluid Determination

PB166879

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB166879TB	LEB879	N/A	N/A	N/A	N/A	#1	4.94
Q1420-04	TP-1-WC	5.03	96.5	8.6	3.5	#1	4.94
Q1420-08	TP-2-WC	5.02	96.5	8.6	3.5	#1	4.94
Q1427-02	VNJ-227	5.01	96.5	8.0	3.0	#1	4.94
Q1442-01	280	5.00	96.5	5.8	1.5	#1	4.94
Q1442-02	281	5.03	96.5	6.2	2.0	#1	4.94
Q1443-01	3733	5.02	96.5	6.0	2.0	#1	4.94
Q1447-02	WC1	5.04	96.5	7.0	2.5	#1	4.94

SAMPLE DATA

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

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25 16:00
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		02/27/25 09:15	9095B
pH	6.86	H	1	0	0	pH		02/27/25 08:45	9045D

Comments: pH result reported at temperature 23.4 °C

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
H = Sample Analysis Out Of Hold Time
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

Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25 16:00
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ignitability	NO		1	0	0	oC		02/28/25 10:17	1030
Reactive Cyanide	0.042	U	1	0.042	0.24	mg/Kg	02/26/25 16:00	02/27/25 10:07	9012B
Reactive Sulfide	3.16	J	1	0.19	10.0	mg/Kg	02/28/25 08:40	02/28/25 11:23	9034

Comments:

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
H = Sample Analysis Out Of Hold Time

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

QC RESULT SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Initial and Continuing Calibration Verification

Client: G Environmental **SDG No.:** Q1447

Project: Nelson **RunNo.:** LB134827

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV**						
pH	pH	7.00	7	100	90-110	02/27/2025
Sample ID: **CCV1**						
pH	pH	2.01	2.00	101	90-110	02/27/2025
Sample ID: **CCV2**						
pH	pH	12.02	12.00	100	90-110	02/27/2025

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Initial and Continuing Calibration Verification

Client:	G Environmental	**SDG No.:**	Q1447
Project:	Nelson	**RunNo.:**	LB134831

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.096	0.099	97	85-115	02/27/2025
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	02/27/2025
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	02/27/2025
Sample ID: CCV3						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	02/27/2025

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Initial and Continuing Calibration Blank Summary

Client: G Environmental **SDG No.:** Q1447

Project: Nelson **RunNo.:** LB134831

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	02/27/2025
Sample ID: CCB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	02/27/2025
Sample ID: CCB2							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	02/27/2025
Sample ID: CCB3							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	02/27/2025

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Preparation Blank Summary

Client: G Environmental **SDG No.:** Q1447

Project: Nelson

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB166865BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.186	10	02/28/2025
Sample ID: PB166899BL							
Reactive Cyanide	mg/Kg	< 0.1250	0.1250	U	0.044	0.25	02/27/2025

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Duplicate Sample Summary

Client: G Environmental
Project: Nelson
Client ID: TP-1-WCDUP

SDG No.: Q1447
Sample ID: Q1420-04
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Cyanide	mg/Kg	+/-20	0.042	U	0.043	U	1	0		02/27/2025
Reactive Sulfide	mg/Kg	+/-20	1.58	J	1.58	J	1	0		02/28/2025

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Duplicate Sample Summary

Client: G Environmental
Project: Nelson
Client ID: VNJ-227DUP

SDG No.: Q1447
Sample ID: Q1427-01
Percent Solids for Spike Sample: 85.6

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		02/27/2025

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Duplicate Sample Summary

Client: G Environmental
Project: Nelson
Client ID: WC1DUP
SDG No.: Q1447
Sample ID: Q1447-01
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	6.86		6.87		1	0.15		02/27/2025

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Duplicate Sample Summary

Client: G Environmental
Project: Nelson
Client ID: WC1DUP

SDG No.: Q1447
Sample ID: Q1447-02
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		02/28/2025

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Instrument ID: FILTER/GRAVIMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB134812

Review By	rubina	Review On	2/27/2025 10:54:31 AM
Supervise By	Iwona	Supervise On	2/27/2025 10:23:33 AM
SubDirectory	LB134812	Test	Paint Filter

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q1427-01	VNJ-227	SAM	02/27/25 09:30		rubina	OK
2	Q1427-01DUP	VNJ-227DUP	DUP	02/27/25 09:38		rubina	OK
3	Q1428-01	NB-07-022525	SAM	02/27/25 09:45		rubina	OK
4	Q1440-01	OR-02-022625	SAM	02/27/25 09:52		rubina	OK
5	Q1441-01	HD-02-022625	SAM	02/27/25 10:00		rubina	OK
6	Q1442-03	351	SAM	02/27/25 10:07		rubina	OK
7	Q1447-01	WC1	SAM	02/27/25 10:15		rubina	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134827

Review By	jignesh	Review On	2/27/2025 10:05:34 AM
Supervise By	Iwona	Supervise On	2/27/2025 1:15:23 PM
SubDirectory	LB134827	Test	pH

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3107,W3093,W3094,W3071,W3161,W3072

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	02/27/25 08:25		Jignesh	OK
2	CAL2	CAL2	CAL	02/27/25 08:26		Jignesh	OK
3	CAL3	CAL3	CAL	02/27/25 08:30		Jignesh	OK
4	ICV	ICV	ICV	02/27/25 08:33		Jignesh	OK
5	CCV1	CCV1	CCV	02/27/25 08:37		Jignesh	OK
6	Q1447-01	WC1	SAM	02/27/25 08:45		Jignesh	OK
7	Q1447-01DUP	WC1DUP	DUP	02/27/25 08:46		Jignesh	OK
8	CCV2	CCV2	CCV	02/27/25 08:50		Jignesh	OK

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Fax : 908 789 8922

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB134831

Review By	Niha	Review On	2/28/2025 8:56:12 AM
Supervise By	Iwona	Supervise On	2/28/2025 9:57:02 AM
SubDirectory	LB134831	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP112081,WP112082,WP112083,WP112084,WP112085,WP112086,WP112087
ICV Standard	WP112089
CCV Standard	WP112082
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP111035,WP110103,WP112088

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/27/25 09:24		Niha	OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/27/25 09:24		Niha	OK
3	10PPBCN	10PPBCN	CAL3	02/27/25 09:24		Niha	OK
4	50PPBCN	50PPBCN	CAL4	02/27/25 09:24		Niha	OK
5	100PPBCN	100PPBCN	CAL5	02/27/25 09:24		Niha	OK
6	250PPBCN	250PPBCN	CAL6	02/27/25 09:24		Niha	OK
7	500PPBCN	500PPBCN	CAL7	02/27/25 09:24		Niha	OK
8	ICV1	ICV1	ICV	02/27/25 09:59		Niha	OK
9	ICB1	ICB1	ICB	02/27/25 09:59		Niha	OK
10	CCV1	CCV1	CCV	02/27/25 09:59		Niha	OK
11	CCB1	CCB1	CCB	02/27/25 09:59		Niha	OK
12	PB166899BL	PB166899BL	MB	02/27/25 09:59		Niha	OK
13	Q1420-04	TP-1-WC	SAM	02/27/25 09:59		Niha	OK
14	Q1420-04DUP	TP-1-WCDUP	DUP	02/27/25 10:07		Niha	OK
15	Q1420-08	TP-2-WC	SAM	02/27/25 10:07		Niha	OK
16	Q1427-02	VNJ-227	SAM	02/27/25 10:07		Niha	OK
17	Q1442-01	280	SAM	02/27/25 10:07		Niha	OK
18	Q1442-02	281	SAM	02/27/25 10:07		Niha	OK

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

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB134831

Review By	Niha	Review On	2/28/2025 8:56:12 AM
Supervise By	Iwona	Supervise On	2/28/2025 9:57:02 AM
SubDirectory	LB134831	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP112081,WP112082,WP112083,WP112084,WP112085,WP112086,WP112087
ICV Standard	WP112089
CCV Standard	WP112082
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP111035,WP110103,WP112088

19	Q1443-01	3733	SAM	02/27/25 10:07		Niha	OK
20	Q1447-02	WC1	SAM	02/27/25 10:07		Niha	OK
21	PB166900BL	PB166900BL	MB	02/27/25 10:07		Niha	OK
22	CCV2	CCV2	CCV	02/27/25 10:07		Niha	OK
23	CCB2	CCB2	CCB	02/27/25 10:12		Niha	OK
24	Q1435-01	286107	SAM	02/27/25 10:12		Niha	OK
25	Q1435-01DUP	286107DUP	DUP	02/27/25 10:12		Niha	OK
26	CCV3	CCV3	CCV	02/27/25 10:13		Niha	OK
27	CCB3	CCB3	CCB	02/27/25 10:13		Niha	OK

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Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB134841

Review By	rubina	Review On	2/28/2025 1:12:05 PM
Supervise By	Iwona	Supervise On	2/28/2025 1:12:13 PM
SubDirectory	LB134841	Test	Ignitability

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q1427-01	VNJ-227	SAM	02/28/25 09:40		rubina	OK
2	Q1427-02	VNJ-227	SAM	02/28/25 09:48		rubina	OK
3	Q1442-01	280	SAM	02/28/25 09:55		rubina	OK
4	Q1442-02	281	SAM	02/28/25 10:02		rubina	OK
5	Q1443-01	3733	SAM	02/28/25 10:10		rubina	OK
6	Q1447-02	WC1	SAM	02/28/25 10:17		rubina	OK
7	Q1447-02DUP	WC1DUP	DUP	02/28/25 10:25		rubina	OK

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

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB134847

Review By	rubina	Review On	2/28/2025 1:13:01 PM
Supervise By	Iwona	Supervise On	2/28/2025 1:13:09 PM
SubDirectory	LB134847	Test	Reactive Sulfide

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3105,W3114,W3149

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB166865BL	PB166865BL	MB	02/28/25 11:03		rubina	OK
2	Q1420-04	TP-1-WC	SAM	02/28/25 11:06		rubina	OK
3	Q1420-04DUP	TP-1-WCDUP	DUP	02/28/25 11:08		rubina	OK
4	Q1420-08	TP-2-WC	SAM	02/28/25 11:10		rubina	OK
5	Q1427-02	VNJ-227	SAM	02/28/25 11:13		rubina	OK
6	Q1442-01	280	SAM	02/28/25 11:15		rubina	OK
7	Q1442-02	281	SAM	02/28/25 11:18		rubina	OK
8	Q1443-01	3733	SAM	02/28/25 11:20		rubina	OK
9	Q1447-02	WC1	SAM	02/28/25 11:23		rubina	OK
10	Q1453-01	MOO-25-0061	SAM	02/28/25 11:26		rubina	OK
11	Q1454-03	LAW-25-0043	SAM	02/28/25 11:28		rubina	OK
12	Q1458-03	SP-SOIL	SAM	02/28/25 11:31		rubina	OK
13	Q1464-01	COMP-1	SAM	02/28/25 11:34		rubina	OK
14	Q1464-02	COMP-2	SAM	02/28/25 11:37		rubina	OK
15	Q1465-01	ST-OILY-DEBRIS	SAM	02/28/25 11:40		rubina	OK

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

LAB CHRONICLE

OrderID:	Q1447	**OrderDate:**	2/26/2025 2:32:53 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	H31,H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1447-01	**WC1**	**SOIL**			**02/23/25 16:00**			**02/26/25**
			Paint Filter	9095B			02/27/25 09:15	
			pH	9045D			02/27/25 08:45	
Q1447-02	**WC1**	**SOIL**			**02/23/25 16:00**			**02/26/25**
			Ignitability	1030			02/28/25 10:17	
			Reactive Cyanide	9012B		02/26/25	02/27/25 10:07	
			Reactive Sulfide	9034		02/28/25	02/28/25 11:23	

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB166865

11

SOP ID : M9030B-Sulfide-12

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : RM

Start Digest Date: 02/28/2025 **Time :** 08:40 **Temp :** N/A

End Digest Date: 02/28/2025 **Time :** 10:10 **Temp :** N/A

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : N/A

Prep Technician Signature: RM

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
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
0.5M ZINC ACETATE	5.0ML	WP111004
FORMALDEHYDE	2.0ML	W2725
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:

02/28/2025 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB166865

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB166865BL	PBS865	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1420-04DUP	TP-1-WCDUP	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1420-04	TP-1-WC	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1420-08	TP-2-WC	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1427-02	VNJ-227	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1442-01	280	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1442-02	281	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1443-01	3733	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1447-02	WC1	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1453-01	MOO-25-0061	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1454-03	LAW-25-0043	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1458-03	SP-SOIL	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1464-01	COMP-1	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1464-02	COMP-2	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1465-01	ST-OILY-DEBRIS	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB166899

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-20

SDG No : N/A

Matrix : SOIL

Pippete ID : N/A

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1, MC-2

Weigh By : NF

Start Digest Date: 02/26/2025 **Time :** 16:00 **Temp :** N/A

End Digest Date: 02/26/2025 **Time :** 17:30 **Temp :** N/A

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : N/A

Prep Technician Signature: NF

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
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
0.25N NaOH	50.0ML	WP111294
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

LAB SAMPLE ID	CLIENT SAMPLE ID		Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02.26.2025 17:40	NF (WC)	NF(WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB166899

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB166899BL	PBS899	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1420-04DUP	TP-1-WCDUP	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1420-04	TP-1-WC	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1420-08	TP-2-WC	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1427-02	VNJ-227	1.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1442-01	280	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1442-02	281	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1443-01	3733	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1447-02	WC1	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1447
COC Number 2046139

12
12.1

CLIENT INFORMATION (REPORT TO BE SENT TO)

COMPANY: G-Environmental
ADDRESS: 8 Carriage
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Nelson
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail: gary@g-environmental.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G-Environmental PO#:
ADDRESS: 8 Carriage
CITY Succasunna STATE NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5-day DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ EDD FORMAT Excel ☐ Other

ANALYSIS

1. EDH
2. VOC's BTEX
3. PCB's
4. RCRA Cyanide Sulfide
5. TAL Metals
6. TCLP Metals
7. Print Filter
8. Flash PH
9. Ignitability

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	WC1	Soil	X		2/23/25	1600	2	X	X	X	X	X	X	X	X	X	
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	2/26/25 1415	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: Waste Class

Page ____ of
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1447 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 2/26/2025 2:32:53 PM
Project Name : Nelson
Receive DateTime : 2/26/2025 2:15:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level I~~ NJ Reduce
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1447-01	WC1	Solid	02/23/2025	16:00	VOC-TCLVOA-10		8260D		5 ~~10 Bus.~~ Days

Relinguished By :
Date / Time : 2-26-251505

Received By :
Date / Time : 02/26/25 15:05
Storage Area : VOA Refridgerator Room

Ng #6
F27