284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

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

PROJECT NAME : AMTRAK SAWTOOTH BRIDGES 2025

PORTAL PARTNERS TRI-VENTURE

c/o Gannett Fleming Inc. Transit and Rail System

207 Senate Avenue

Camp Hill, PA - 17011

Phone No: 610-650-8101

ORDER ID : Q2934

ATTENTION : Joseph Krupansky

Laboratory Certification ID # 20012

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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : Portal Partners Tri-Venture

Project Location : Kearny, NJ Project Number :

Laboratory Sample ID(s) : Q2934 Sampling Date(s) : 8/21/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,6010D,7196A,7470A,8082A,8260D,8270E,NJEPH,SOP**

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

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

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Cover Page

Order ID : Q2934

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q2934-01	ENV-SW01
Q2934-02	ENV-SW02
Q2934-03	ENV-SW03
Q2934-04	ENV-SW04

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

Signature : _____ Date: 9/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2934
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
4 Water samples were received on 08/21/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. 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 were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
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.

Trip Blank was not provided with this set of samples.
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.

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2934
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
4 Water samples were received on 08/21/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for MW-201-082025MS [Nitrobenzene-d5 - 148%], MW-201-082025MSD [Nitrobenzene-d5 - 149%] these compounds did not meet the NJDKQP criteria and in-house criteria, as per method one surrogate is allowed to failed, therefore no corrective action was taken.

The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The MS {Q2924-03MS} with File ID: BP025602.D recoveries met the requirements for all compounds except for 2-Methylphenol[66%], bis(2-Chloroethoxy)methane[137%], 4-Chloroaniline[55%], Acenaphthylene[58%], 3-Nitroaniline[62%] these compounds did not meet the NJDKQP criteria but met the in-house criteria also 2,2-oxybis(1-Chloropropane)[33%], 2,4-Dichlorophenol[157%], 2,4-Dimethylphenol[147%], 2-Methylnaphthalene[-233%],2-Nitrophenol[168%],4-Chloro-3-methylphenol[149%],Acetophenone[170%], Hexachlorobutadiene[139%], Hexachloroethane[181%], Isophorone[159%], Naphthalene[-777%] and Nitrobenzene[167%] these compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

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The MSD {Q2924-04MSD} with File ID: BP025603.D recoveries met the requirements for all compounds except for 2-Methylphenol[66%], bis(2-Chloroethoxy)methane[143%] 4-Chloroaniline[60%] Acenaphthylene[57%], 3-Nitroaniline[62%] these compounds did not meet the NJDKQP criteria but met the in-house criteria also 2,2-oxybis(1-Chloropropane)[35%], 2,4-Dichlorophenol[162%], 2,4-Dimethylphenol[149%], 2-Methylnaphthalene[-133%], 2-Nitrophenol[172%], 4-Chloro-3-methylphenol[151%],Acetophenone[172%],Hexachlorobutadiene[142%], Hexachloroethane[184%], Isophorone[162%], Naphthalene[-190%] and Nitrobenzene[169%] these compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The RPD for {Q2924-04MSD} with File ID: BP025603.D met criteria except for 2-Methylnaphthalene[55%], Naphthalene[121%] these compounds did not meet the NJDKQP criteria and in-house criteria due to difference in results of MS and MSD.

The Blank Spike for {PB169362BS} with File ID: BP025581.D met requirements for all compounds except for 3,3-Dichlorobenzidine[64%], 3-Nitroaniline[62%] and 4-Chloroaniline[48%] 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 Initial Calibration met the requirements.

The Continuous Calibration File ID BP025544.D met the requirements except for 2,4-Dinitrophenol and Benzaldehyde but no positive hits in associated sample therefore no corrective action taken.

The Continuous Calibration File ID BP025561.D met the requirements except for 2,4-Dinitrophenol and Benzaldehyde but no positive hits in associated sample therefore no corrective action taken.

The Continuous Calibration File ID BP025579.D met the requirements except for 2,4-Dinitrophenol and Benzaldehyde but no positive hits in associated sample therefore no corrective action taken.

The Continuous Calibration File ID BP025596.D met the requirements except for 2,4-Dinitrophenol and Benzaldehyde but no positive hits in associated sample therefore no corrective action taken.

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 8 points.

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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_____

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2934
Test Name: PCB

A. Number of Samples and Date of Receipt:
4 Water samples were received on 08/21/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: PCB. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_P. 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 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 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for ENV-SW04 [Decachlorobiphenyl(2)24%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.

The Retention Times were met for all analysis.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.

E. Additional Comments:

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2934
Test Name: EPH

A. Number of Samples and Date of Receipt:
4 Water samples were received on 08/21/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: EPH. This data package contains results for EPH.

C. Analytical Techniques:
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 were performed on instrument FID_E. 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 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Retention Times were met for all analysis.
The RPD were met for all analysis.

The Blank Spike for {PB169398BS} with File ID: FE055520.D met requirements for all samples except for aliphatic [Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)- 0%], these analytes compounds are only being monitoring in aliphatic friction.

The Blank Spike Duplicate for {PB169398BSD} with File ID: FE055521.D met requirements for all samples except for aliphatic [Naphthalene (C11.7)- 0%, 2-methylnaphthalene (C12.89)- 0%], these analytes compounds are only being monitoring in aliphatic friction.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.

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E. Additional Comments:

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2934
Test Name: Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
4 Water samples were received on 08/21/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, METALS-TAL, PCB, SVOC-TCL BNA -20, trivalent Chromium and VOC-TCLVOA-10. This data package contains results for Mercury,Metals ICP-TAL.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample ENV-SW04 was diluted due to high concentrations for Sodium.
The Blank Spike met requirements for all compounds.
The Duplicate (ENV-SW02MSD) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion Process.
The Matrix Spike (ENV-SW02MS) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (ENV-SW02MSD) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
The Post Digest Spike (ENV-SW02A) analysis met criteria for all compounds except for Silver due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.
In analytical sequence LB136940, The % recovery was outside of acceptance limit for Thallium of CCV05 but, no any samples associated under this CCV.

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Order ID # Q2934
Test Name: Hexavalent Chromium,trivalent Chromium

A. Number of Samples and Date of Receipt:
4 Water samples were received on 08/21/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium,trivalent Chromium. This data package contains results for Hexavalent Chromium,trivalent Chromium.

C. Analytical Techniques:
The analysis of trivalent Chromium was based on method 6010D and The analysis of Hexavalent Chromium was based on method 7196A.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike analysis met criteria for all compounds.
The Matrix Spike Duplicate analysis met criteria for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:
As per method, aqueous sample for Hexavalent Chromium analysis should be filtered within 15 minutes of collection time. However, samples were not filtered as per requirement therefore Lab has filtered the samples in-house.

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Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

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

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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 #: Q2934

	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:** 09/01/2025

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Hit Summary Sheet
SW-846

SDG No.: Q2934

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration		C	MDL	RDL	Units
Client ID:	**ENV-SW01**									
Q2934-01	ENV-SW01	Water	Acetone		11.0			1.50	5.00	ug/L
			Total Voc :			11.0				
Q2934-01	ENV-SW01	Water	Sulfur dioxide	*	180		J	0	0	ug/L
			Total Tics :			180				
			Total Concentration:			191				
Client ID:	**ENV-SW02**									
Q2934-02	ENV-SW02	Water	Acetone		9.20			1.50	5.00	ug/L
			Total Voc :			9.20				
Q2934-02	ENV-SW02	Water	Sulfur dioxide	*	120		J	0	0	ug/L
			Total Tics :			120				
			Total Concentration:			129				
Client ID:	**ENV-SW03**									
Q2934-03	ENV-SW03	Water	Acetone		7.60			1.50	5.00	ug/L
			Total Voc :			7.60				
Q2934-03	ENV-SW03	Water	Sulfur dioxide	*	81.2		J	0	0	ug/L
			Total Tics :			81.2				
			Total Concentration:			88.8				
Client ID:	**ENV-SW04**									
Q2934-04	ENV-SW04	Water	Acetone		4.00		J	1.50	5.00	ug/L
			Total Voc :			4.00				
Q2934-04	ENV-SW04	Water	Sulfur dioxide	*	56.8		J	0	0	ug/L
			Total Tics :			56.8				
			Total Concentration:			60.8				

SAMPLE DATA

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047498.D	1	08/22/25 15:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	11.0		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047498.D	1	08/22/25 15:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.6		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.1		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.0		70 (77) - 130 (121)	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	190000	5.568			
540-36-3	1,4-Difluorobenzene	389000	6.769			
3114-55-4	Chlorobenzene-d5	395000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	208000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047498.D	1	08/22/25 15:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	180	J		1.26	ug/L

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:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047499.D	1	08/22/25 15:43	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	9.20		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047499.D	1	08/22/25 15:43	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.7		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.4		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	221000	5.562			
540-36-3	1,4-Difluorobenzene	450000	6.769			
3114-55-4	Chlorobenzene-d5	448000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	236000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047499.D	1	08/22/25 15:43	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	120	J		1.26	ug/L

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:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047500.D	1	08/22/25 16:04	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	7.60		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047500.D	1	08/22/25 16:04	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.6		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	218000	5.568			
540-36-3	1,4-Difluorobenzene	446000	6.769			
3114-55-4	Chlorobenzene-d5	450000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	240000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047500.D	1	08/22/25 16:04	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	81.2	J		1.26	ug/L

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:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047501.D	1	08/22/25 16:25	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	4.00	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047501.D	1	08/22/25 16:25	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.8		70 (74) - 130 (125)	120%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.4		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		70 (77) - 130 (121)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	5.562			
540-36-3	1,4-Difluorobenzene	427000	6.769			
3114-55-4	Chlorobenzene-d5	435000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	224000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047501.D	1	08/22/25 16:25	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	56.8	J		1.26	ug/L

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

Alliance TECHNICAL GROUP
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Surrogate Summary

SDG No.: Q2934

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2934-01	ENV-SW01	1,2-Dichloroethane-d4	50	57.6	115		70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100		70 (75)	130 (124)
		Toluene-d8	50	49.1	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.0	114		70 (77)	130 (121)
Q2934-02	ENV-SW02	1,2-Dichloroethane-d4	50	57.7	115		70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101		70 (75)	130 (124)
		Toluene-d8	50	48.4	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.5	111		70 (77)	130 (121)
Q2934-03	ENV-SW03	1,2-Dichloroethane-d4	50	57.6	115		70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101		70 (75)	130 (124)
		Toluene-d8	50	48.6	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.7	111		70 (77)	130 (121)
Q2934-04	ENV-SW04	1,2-Dichloroethane-d4	50	59.8	120		70 (74)	130 (125)
		Dibromofluoromethane	50	50.6	101		70 (75)	130 (124)
		Toluene-d8	50	48.4	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.4	113		70 (77)	130 (121)
VX0822WBL01	VX0822WBL01	1,2-Dichloroethane-d4	50	57.9	116		70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101		70 (75)	130 (124)
		Toluene-d8	50	49.3	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.5	113		70 (77)	130 (121)
VX0822WBS01	VX0822WBS01	1,2-Dichloroethane-d4	50	52.6	105		70 (74)	130 (125)
		Dibromofluoromethane	50	48.3	97		70 (75)	130 (124)
		Toluene-d8	50	46.7	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.8	99		70 (77)	130 (121)
VX0822WBSD0	VX0822WBSD01	1,2-Dichloroethane-d4	50	49.6	99		70 (74)	130 (125)
		Dibromofluoromethane	50	47.9	96		70 (75)	130 (124)
		Toluene-d8	50	46.5	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.5	97		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2934 **Analytical Method:** SW8260-Low

Client: Portal Partners Tri-Venture **Datafile :** VX047487.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0822WBS01	Dichlorodifluoromethane	20	17.3	ug/L	86			40 (69)	160 (116)	
	Chloromethane	20	16.7	ug/L	84			40 (65)	160 (116)	
	Vinyl chloride	20	17.6	ug/L	88			70 (65)	130 (117)	
	Bromomethane	20	17.4	ug/L	87			40 (58)	160 (125)	
	Chloroethane	20	18.8	ug/L	94			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.4	ug/L	92			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.8	ug/L	94			70 (74)	130 (110)	
	Acetone	100	110	ug/L	110			40 (60)	160 (125)	
	Carbon disulfide	20	17.6	ug/L	88			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.9	ug/L	104			70 (78)	130 (114)	
	Methyl Acetate	20	22.4	ug/L	112			70 (67)	130 (125)	
	Methylene Chloride	20	20.5	ug/L	103			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.0	ug/L	100			70 (78)	130 (112)	
	Cyclohexane	20	18.1	ug/L	91			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.1	ug/L	91			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			70 (77)	130 (110)	
	Bromochloromethane	20	22.2	ug/L	111			70 (70)	130 (124)	
	Chloroform	20	20.9	ug/L	104			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			70 (80)	130 (108)	
	Methylcyclohexane	20	16.6	ug/L	83			70 (72)	130 (115)	
	Benzene	20	19.2	ug/L	96			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.8	ug/L	99			70 (80)	130 (115)	
	Trichloroethene	20	18.6	ug/L	93			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.1	ug/L	101			70 (83)	130 (111)	
	Bromodichloromethane	20	20.0	ug/L	100			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	19.3	ug/L	97			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.3	ug/L	102			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.3	ug/L	102			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.5	ug/L	103			70 (83)	130 (112)	
	2-Hexanone	100	98.3	ug/L	98			40 (73)	160 (117)	
	Dibromochloromethane	20	20.4	ug/L	102			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.6	ug/L	98			70 (81)	130 (110)	
	Tetrachloroethene	20	17.8	ug/L	89			70 (67)	130 (123)	
	Chlorobenzene	20	18.8	ug/L	94			70 (82)	130 (109)	
	Ethyl Benzene	20	18.1	ug/L	91			70 (83)	130 (109)	
	m/p-Xylenes	40	37.2	ug/L	93			70 (82)	130 (110)	
	o-Xylene	20	18.5	ug/L	93			70 (83)	130 (109)	
	Styrene	20	19.2	ug/L	96			70 (80)	130 (111)	
	Bromoform	20	19.0	ug/L	95			70 (79)	130 (109)	
	Isopropylbenzene	20	17.3	ug/L	86			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	17.8	ug/L	89			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.8	ug/L	89			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.2	ug/L	91			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2934 **Analytical Method:** SW8260-Low

Client: Portal Partners Tri-Venture **Datafile :** VX047487.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0822WBS01	1,2-Dibromo-3-Chloropropane	20	17.9	ug/L	90			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.4	ug/L	87			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	17.6	ug/L	88			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2934 **Analytical Method:** SW8260-Low

Client: Portal Partners Tri-Venture **Datafile :** VX047488.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0822WBSD01	Dichlorodifluoromethane	20	17.4	ug/L	87	1		40 (69)	160 (116)	20 (19)
	Chloromethane	20	17.4	ug/L	87	4		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	17.0	ug/L	85	3		70 (65)	130 (117)	20 (19)
	Bromomethane	20	18.2	ug/L	91	4		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.3	ug/L	92	2		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	17.6	ug/L	88	4		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94	0		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	17.4	ug/L	87	8		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	10		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	17.2	ug/L	86	2		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	20.5	ug/L	103	1		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	22.6	ug/L	113	1		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.9	ug/L	100	3		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.3	ug/L	92	2		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	19.7	ug/L	99	1		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.2	ug/L	91	0		70 (75)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	0		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	17.9	ug/L	90	1		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.8	ug/L	99	2		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	21.7	ug/L	109	2		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.1	ug/L	101	3		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	18.7	ug/L	94	3		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.0	ug/L	85	2		70 (72)	130 (115)	20 (20)
	Benzene	20	19.1	ug/L	96	0		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	19.5	ug/L	98	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.3	ug/L	92	1		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	19.2	ug/L	96	5		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	19.6	ug/L	98	2		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	100	ug/L	100	0		40 (74)	160 (118)	20 (25)
	Toluene	20	18.8	ug/L	94	3		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	19.6	ug/L	98	4		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.4	ug/L	97	5		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	19.9	ug/L	100	3		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	98.0	ug/L	98	0		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	19.6	ug/L	98	4		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.5	ug/L	98	0		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	17.8	ug/L	89	0		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	18.6	ug/L	93	1		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	18.5	ug/L	93	2		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	37.6	ug/L	94	1		70 (82)	130 (110)	20 (15)
	o-Xylene	20	18.7	ug/L	94	1		70 (83)	130 (109)	20 (20)
	Styrene	20	19.3	ug/L	97	1		70 (80)	130 (111)	20 (17)
	Bromoform	20	20.1	ug/L	101	6		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	18.9	ug/L	95	10		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	20.0	ug/L	100	6		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.2	ug/L	96	8		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	18.8	ug/L	94	5		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	19.4	ug/L	97	6		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2934**	**Analytical Method:**	**SW8260-Low**
Client:	**Portal Partners Tri-Venture**	**Datafile :**	VX047488.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0822WBSD01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96	6		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94	8		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	19.1	ug/L	96	9		70 (76)	130 (114)	20 (29)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0822WBL01

Lab Name: Alliance | Contract: PORT06

Lab Code: ACE | SDG NO.: Q2934

Lab File ID: VX047486.D | Lab Sample ID: VX0822WBL01

Date Analyzed: 08/22/2025 | Time Analyzed: 10:53

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0822WBS01	VX0822WBS01	VX047487.D	08/22/2025
VX0822WBSD01	VX0822WBSD01	VX047488.D	08/22/2025
ENV-SW01	Q2934-01	VX047498.D	08/22/2025
ENV-SW02	Q2934-02	VX047499.D	08/22/2025
ENV-SW03	Q2934-03	VX047500.D	08/22/2025
ENV-SW04	Q2934-04	VX047501.D	08/22/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: PORT06
Lab Code: ACE
SDG NO.: Q2934
Lab File ID: VX047347.D
BFB Injection Date: 08/15/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:28
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.4
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	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	71.9 (96.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VX047349.D	08/15/2025	09:40
VSTDICC020	VSTDICC020	VX047350.D	08/15/2025	10:01
VSTDICCC050	VSTDICCC050	VX047351.D	08/15/2025	10:22
VSTDICC100	VSTDICC100	VX047352.D	08/15/2025	10:43
VSTDICC150	VSTDICC150	VX047353.D	08/15/2025	11:05
VSTDICC001	VSTDICC001	VX047356.D	08/15/2025	12:30

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: PORT06
Lab Code: ACE
SDG NO.: Q2934
Lab File ID: VX047483.D
BFB Injection Date: 08/22/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:25
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	71.3
175	5.0 - 9.0% of mass 174	5.4 (7.6) 1
176	95.0 - 101.0% of mass 174	69.6 (97.7) 1
177	5.0 - 9.0% of mass 176	4.5 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047484.D	08/22/2025	10:00
VX0822WBL01	VX0822WBL01	VX047486.D	08/22/2025	10:53
VX0822WBS01	VX0822WBS01	VX047487.D	08/22/2025	11:22
VX0822WBSD01	VX0822WBSD01	VX047488.D	08/22/2025	11:51
ENV-SW01	Q2934-01	VX047498.D	08/22/2025	15:22
ENV-SW02	Q2934-02	VX047499.D	08/22/2025	15:43
ENV-SW03	Q2934-03	VX047500.D	08/22/2025	16:04
ENV-SW04	Q2934-04	VX047501.D	08/22/2025	16:25

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2934

Lab File ID: VX047484.D Date Analyzed: 08/22/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	202377	5.56	354638	6.76	324101	10.05
UPPER LIMIT	404754	6.056	709276	7.263	648202	10.549
LOWER LIMIT	101189	5.056	177319	6.263	162051	9.549
EPA SAMPLE NO.						
ENV-SW01	190163	5.57	388667	6.77	394548	10.06
ENV-SW02	221184	5.56	449540	6.77	448300	10.06
ENV-SW03	218472	5.57	445802	6.77	449549	10.06
ENV-SW04	210244	5.56	427078	6.77	435148	10.06
VX0822WBL01	210866	5.56	425323	6.77	433100	10.06
VX0822WBS01	232449	5.56	415073	6.76	390461	10.06
VX0822WBSD01	237872	5.56	423338	6.76	387914	10.06

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: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2934

Lab File ID: VX047484.D Date Analyzed: 08/22/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	162878	12.018				
UPPER LIMIT	325756	12.518				
LOWER LIMIT	81439	11.518				
EPA SAMPLE NO.						
ENV-SW01	208234	12.02				
ENV-SW02	236211	12.02				
ENV-SW03	239933	12.02				
ENV-SW04	223730	12.02				
VX0822WBL01	221983	12.02				
VX0822WBS01	202080	12.02				
VX0822WBSD01	191887	12.02				

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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0822WBL01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047486.D	1	08/22/25 10:53	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0822WBL01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047486.D	1	08/22/25 10:53	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.9		70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		70 (77) - 130 (121)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	211000	5.562			
540-36-3	1,4-Difluorobenzene	425000	6.769			
3114-55-4	Chlorobenzene-d5	433000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	222000	12.018			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0822WBL01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047486.D	1	08/22/25 10:53	VX082225

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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0822WBS01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047487.D	1	08/22/25 11:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.22	1.00	ug/L
74-87-3	Chloromethane	16.7		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	17.6		0.26	1.00	ug/L
74-83-9	Bromomethane	17.4		1.40	5.00	ug/L
75-00-3	Chloroethane	18.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.4		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	1.00	ug/L
67-64-1	Acetone	110		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.4		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.5		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.19	1.00	ug/L
74-97-5	Bromochloromethane	22.2		0.22	1.00	ug/L
67-66-3	Chloroform	20.9		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.6		0.16	1.00	ug/L
71-43-2	Benzene	19.2		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.6		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.1		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	19.3		0.14	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0822WBS01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047487.D	1	08/22/25 11:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	98.3		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.6		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.8		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.8		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	37.2		0.24	2.00	ug/L
95-47-6	o-Xylene	18.5		0.12	1.00	ug/L
100-42-5	Styrene	19.2		0.15	1.00	ug/L
75-25-2	Bromoform	19.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.8		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.2		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.9		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.6		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	46.7		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	232000	5.556			
540-36-3	1,4-Difluorobenzene	415000	6.763			
3114-55-4	Chlorobenzene-d5	390000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	202000	12.018			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0822WBS01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047487.D	1	08/22/25 11:22	VX082225

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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0822WBSD01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047488.D	1	08/22/25 11:51	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.4		0.22	1.00	ug/L
74-87-3	Chloromethane	17.4		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	17.0		0.26	1.00	ug/L
74-83-9	Bromomethane	18.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.3		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.6		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.4		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.5		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.6		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.9		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.2		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.8		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.7		0.22	1.00	ug/L
67-66-3	Chloroform	20.1		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.0		0.16	1.00	ug/L
71-43-2	Benzene	19.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.6		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	18.8		0.14	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0822WBSD01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047488.D	1	08/22/25 11:51	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	98.0		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.5		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.8		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.5		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	37.6		0.24	2.00	ug/L
95-47-6	o-Xylene	18.7		0.12	1.00	ug/L
100-42-5	Styrene	19.3		0.15	1.00	ug/L
75-25-2	Bromoform	20.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.1		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	46.4		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	238000	5.562			
540-36-3	1,4-Difluorobenzene	423000	6.763			
3114-55-4	Chlorobenzene-d5	388000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	192000	12.018			

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0822WBSD01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047488.D	1	08/22/25 11:51	VX082225

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: PORT06

Lab Code: ACE | SDG No.: Q2934

Instrument ID: MSVOA_X | Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:40 12:30

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{\text{RRF}}$	% RSD
Dichlorodifluoromethane	0.558	0.638	0.731	0.671	0.680	0.546	0.637	11.4
Chloromethane	0.539	0.568	0.624	0.567	0.594	0.549	0.573	5.4
Vinyl Chloride	0.651	0.751	0.800	0.729	0.757	0.630	0.720	9.2
Bromomethane	0.251	0.296	0.336	0.309	0.261		0.291	11.9
Chloroethane	0.392	0.440	0.463	0.410	0.422	0.515	0.440	10
Trichlorofluoromethane	1.012	1.121	1.188	1.060	1.069	0.938	1.065	8.1
1,1,2-Trichlorotrifluoroethane	0.589	0.664	0.697	0.624	0.637	0.494	0.618	11.4
1,1-Dichloroethene	0.575	0.664	0.697	0.635	0.651	0.555	0.630	8.6
Acetone	0.259	0.310	0.280	0.240	0.240	0.249	0.263	10.5
Carbon Disulfide	1.747	1.916	1.993	1.819	1.854	2.069	1.900	6.2
Methyl tert-butyl Ether	1.768	2.019	2.175	1.962	2.014	1.554	1.915	11.5
Methyl Acetate	0.620	0.661	0.769	0.689	0.728	0.621	0.682	8.7
Methylene Chloride	0.645	0.732	0.757	0.669	0.684	0.691	0.697	5.9
trans-1,2-Dichloroethene	0.638	0.705	0.725	0.655	0.664	0.621	0.668	6
1,1-Dichloroethane	1.180	1.294	1.356	1.210	1.238	1.052	1.222	8.5
Cyclohexane	1.024	1.202	1.210	1.082	1.113		1.126	7
2-Butanone	0.328	0.378	0.389	0.342	0.343	0.287	0.344	10.6
Carbon Tetrachloride	0.536	0.596	0.607	0.549	0.554	0.515	0.560	6.3
cis-1,2-Dichloroethene	0.758	0.826	0.846	0.769	0.779	0.692	0.778	7
Bromochloromethane	0.543	0.402	0.540	0.560	0.525	0.481	0.508	11.6
Chloroform	1.236	1.328	1.368	1.214	1.243	1.091	1.247	7.8
1,1,1-Trichloroethane	1.043	1.151	1.195	1.081	1.106	0.863	1.073	10.8
Methylcyclohexane	0.589	0.673	0.695	0.640	0.642	0.595	0.639	6.5
Benzene	1.502	1.665	1.701	1.516	1.504	1.312	1.533	9.1
1,2-Dichloroethane	0.521	0.594	0.600	0.532	0.528	0.484	0.543	8.3
Trichloroethene	0.383	0.423	0.432	0.390	0.391	0.336	0.393	8.6
1,2-Dichloropropane	0.349	0.415	0.421	0.381	0.382	0.357	0.384	7.6
Bromodichloromethane	0.548	0.621	0.635	0.578	0.573	0.513	0.578	7.8
4-Methyl-2-Pentanone	0.408	0.479	0.509	0.451	0.444	0.346	0.440	13
Toluene	0.920	1.043	1.057	0.936	0.927	0.802	0.947	9.9

* 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: PORT06

Lab Code: ACE | SDG No.: Q2934

Instrument ID: MSVOA_X | Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:40 12:30

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.444	0.537	0.584	0.541	0.550	0.371	0.505	15.9
cis-1,3-Dichloropropene	0.531	0.608	0.642	0.592	0.602	0.451	0.571	12
1,1,2-Trichloroethane	0.358	0.393	0.396	0.352	0.347	0.313	0.360	8.6
2-Hexanone	0.284	0.338	0.347	0.310	0.306	0.239	0.304	12.9
Dibromochloromethane	0.412	0.461	0.464	0.426	0.420	0.382	0.428	7.3
1,2-Dibromoethane	0.358	0.397	0.409	0.365	0.361	0.336	0.371	7.2
Tetrachloroethene	0.351	0.384	0.398	0.360	0.360	0.316	0.362	7.8
Chlorobenzene	1.163	1.268	1.286	1.163	1.175	1.073	1.188	6.6
Ethyl Benzene	1.941	2.216	2.277	2.062	2.056	1.718	2.045	9.8
m/p-Xylenes	0.722	0.831	0.858	0.765	0.759	0.642	0.763	10.2
o-Xylene	0.679	0.793	0.813	0.735	0.732	0.651	0.734	8.6
Styrene	1.186	1.397	1.411	1.271	1.266	0.909	1.240	14.8
Bromoform	0.294	0.322	0.335	0.306	0.313	0.241	0.302	10.9
Isopropylbenzene	3.547	4.192	4.399	4.048	4.080	3.211	3.913	11.4
1,1,2,2-Tetrachloroethane	1.077	1.208	1.269	1.142	1.152	1.044	1.149	7.2
1,3-Dichlorobenzene	1.719	1.907	1.983	1.811	1.823	1.710	1.825	5.8
1,4-Dichlorobenzene	1.788	1.952	1.986	1.788	1.814	1.936	1.877	4.8
1,2-Dichlorobenzene	1.617	1.851	1.862	1.705	1.729	1.631	1.733	6.1
1,2-Dibromo-3-Chloropropane	0.182	0.225	0.247	0.238	0.249	0.191	0.222	13
1,2,4-Trichlorobenzene	1.030	1.168	1.234	1.191	1.204	1.144	1.161	6.2
1,2,3-Trichlorobenzene	0.919	1.109	1.174	1.132	1.160	1.075	1.095	8.5
1,2-Dichloroethane-d4	0.709	0.581	0.700	0.747	0.762		0.700	10.2
Dibromofluoromethane	0.310	0.278	0.331	0.354	0.349		0.325	9.6
Toluene-d8	1.157	0.994	1.171	1.246	1.232		1.160	8.7
4-Bromofluorobenzene	0.441	0.371	0.428	0.452	0.448		0.428	7.8

* 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: Alliance | Contract: PORT06

Lab Code: ACE | SDG No.: Q2934

Instrument ID: MSVOA_X | Calibration Date/Time: 08/22/2025 10:00

Lab File ID: VX047484.D | Init. Calib. Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:40 12:30

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.547		-14.13	20
Chloromethane	0.573	0.473	0.1	-17.45	20
Vinyl Chloride	0.720	0.631		-12.36	20
Bromomethane	0.291	0.250		-14.09	20
Chloroethane	0.440	0.402		-8.64	20
Trichlorofluoromethane	1.065	0.924		-13.24	20
1,1,2-Trichlorotrifluoroethane	0.618	0.560		-9.39	20
1,1-Dichloroethene	0.630	0.555		-11.9	20
Acetone	0.263	0.282		7.22	20
Carbon Disulfide	1.900	1.609		-15.32	20
Methyl tert-butyl Ether	1.915	2.042		6.63	20
Methyl Acetate	0.682	0.790		15.84	20
Methylene Chloride	0.697	0.691		-0.86	20
trans-1,2-Dichloroethene	0.668	0.628		-5.99	20
1,1-Dichloroethane	1.222	1.211	0.1	-0.9	20
Cyclohexane	1.126	0.960		-14.74	20
2-Butanone	0.344	0.384		11.63	20
Carbon Tetrachloride	0.560	0.491		-12.32	20
cis-1,2-Dichloroethene	0.778	0.776		-0.26	20
Bromochloromethane	0.508	0.605		19.09	20
Chloroform	1.247	1.259		0.96	20
1,1,1-Trichloroethane	1.073	1.002		-6.62	20
Methylcyclohexane	0.639	0.539		-15.65	20
Benzene	1.533	1.461		-4.7	20
1,2-Dichloroethane	0.543	0.547		0.74	20
Trichloroethene	0.393	0.354		-9.92	20
1,2-Dichloropropane	0.384	0.384		0	20
Bromodichloromethane	0.578	0.591		2.25	20
4-Methyl-2-Pentanone	0.440	0.451		2.5	20
Toluene	0.947	0.910		-3.91	20
t-1,3-Dichloropropene	0.505	0.537		6.34	20
cis-1,3-Dichloropropene	0.571	0.594		4.03	20
1,1,2-Trichloroethane	0.360	0.370		2.78	20
2-Hexanone	0.304	0.307		0.99	20
Dibromochloromethane	0.428	0.433		1.17	20
1,2-Dibromoethane	0.371	0.377		1.62	20
Tetrachloroethene	0.362	0.321		-11.33	20
Chlorobenzene	1.188	1.118	0.3	-5.89	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: Alliance | Contract: PORT06

Lab Code: ACE | SDG No.: Q2934

Instrument ID: MSVOA_X | Calibration Date/Time: 08/22/2025 10:00

Lab File ID: VX047484.D | Init. Calib. Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:40 12:30

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	1.893		-7.43	20
m/p-Xylenes	0.763	0.718		-5.9	20
o-Xylene	0.734	0.694		-5.45	20
Styrene	1.240	1.233		-0.56	20
Bromoform	0.302	0.306	0.1	1.33	20
Isopropylbenzene	3.913	3.516		-10.15	20
1,1,2,2-Tetrachloroethane	1.149	1.119	0.3	-2.61	20
1,3-Dichlorobenzene	1.825	1.671		-8.44	20
1,4-Dichlorobenzene	1.877	1.682		-10.39	20
1,2-Dichlorobenzene	1.733	1.613		-6.92	20
1,2-Dibromo-3-Chloropropane	0.222	0.213		-4.05	20
1,2,4-Trichlorobenzene	1.161	1.089		-6.2	20
1,2,3-Trichlorobenzene	1.095	1.040		-5.02	20
1,2-Dichloroethane-d4	0.700	0.775		10.71	20
Dibromofluoromethane	0.325	0.344		5.85	20
Toluene-d8	1.160	1.183		1.98	20
4-Bromofluorobenzene	0.428	0.453		5.84	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_X\Data\VX082225\
Data File : VX047498.D
Acq On : 22 Aug 2025 15:22
Operator : JC/MD
Sample : Q2934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Quant Time: Aug 25 01:29:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

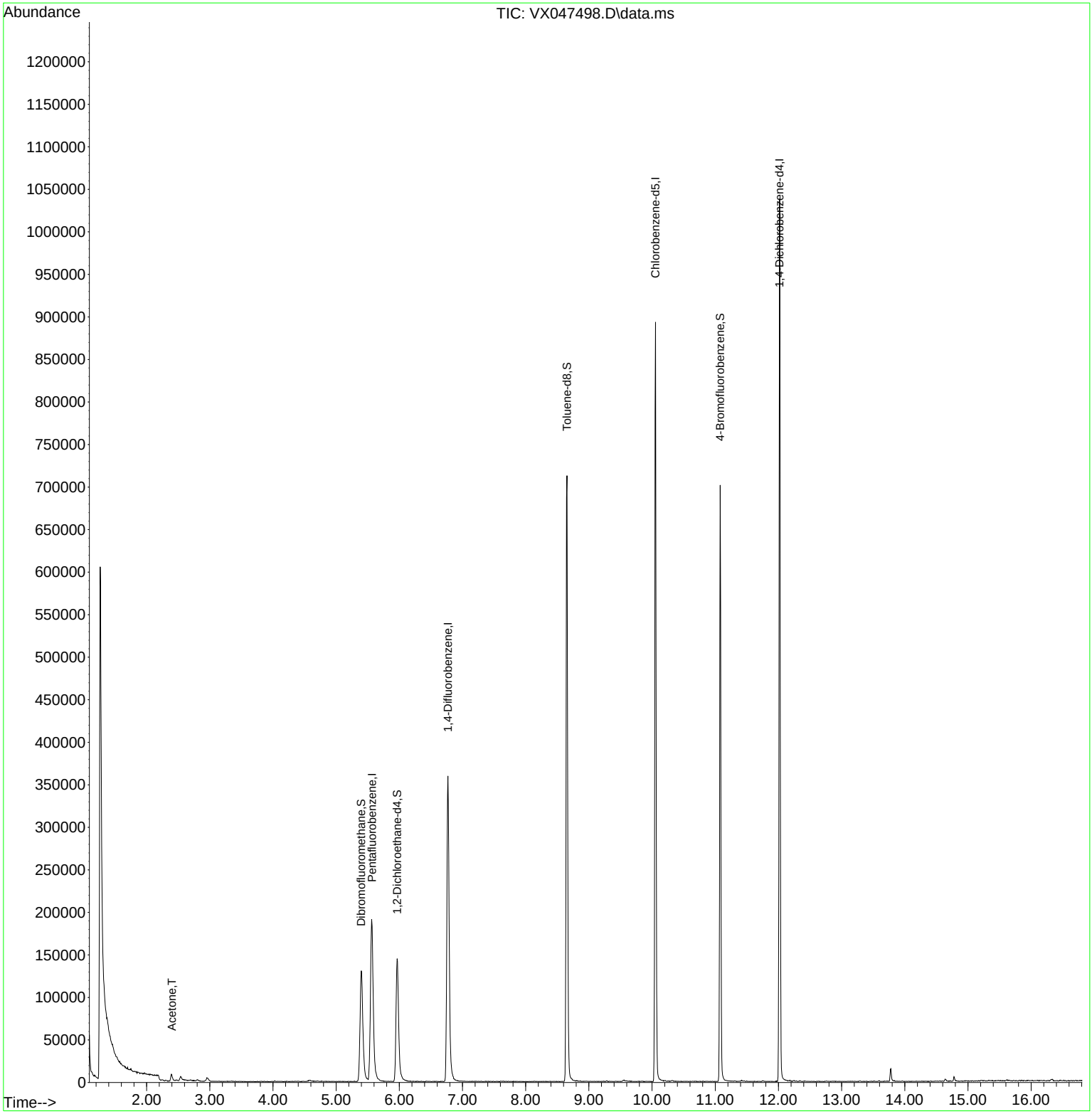
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	190163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	388667	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	394548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	208234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	153384	57.633	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.260%			
35) Dibromofluoromethane	5.397	113	125772	49.860	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	8.653	98	442632	49.094	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.180%			
62) 4-Bromofluorobenzene	11.079	95	189548	56.971	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.940%			
Target Compounds						Qvalue
16) Acetone	2.398	43	11053	11.049	ug/l #	87

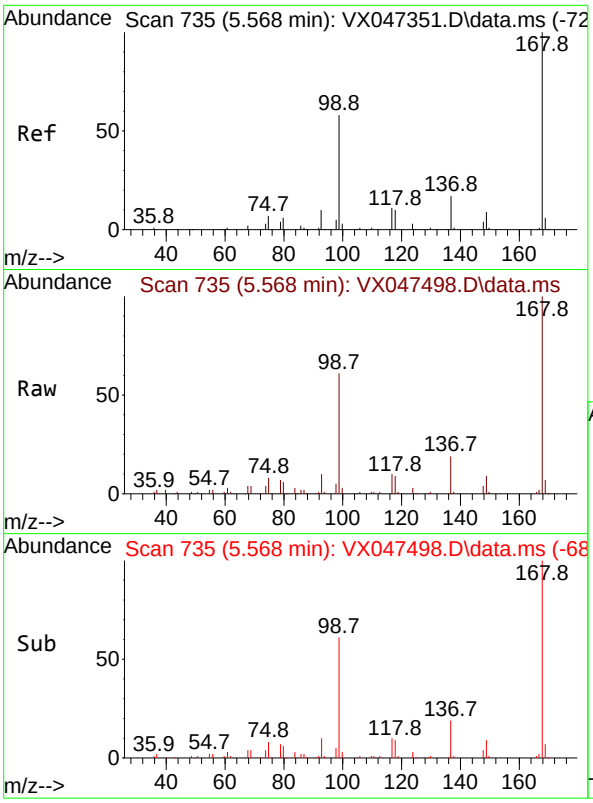
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047498.D
Acq On : 22 Aug 2025 15:22
Operator : JC/MD
Sample : Q2934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Quant Time: Aug 25 01:29:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



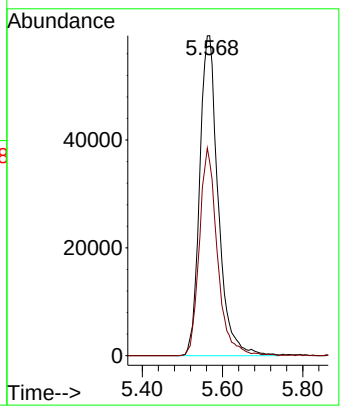


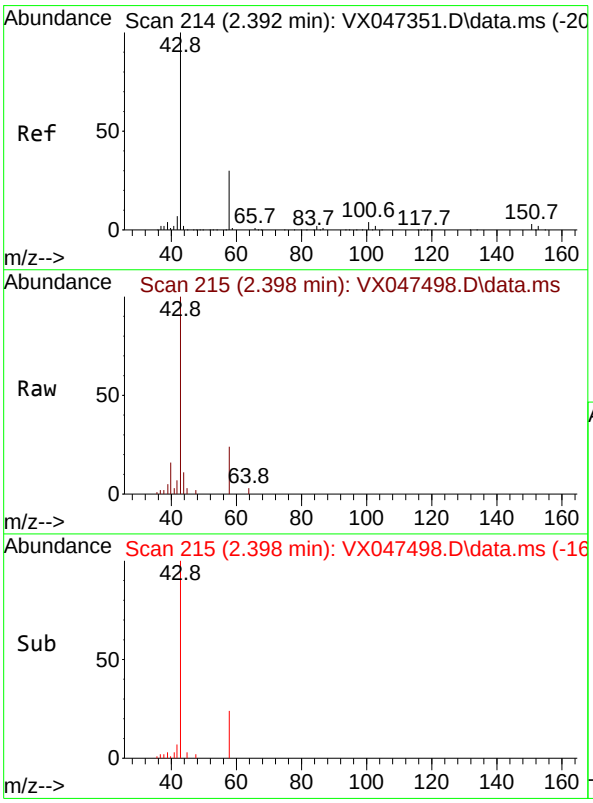
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Tgt Ion:168 Resp: 190163

Ion	Ratio	Lower	Upper
168	100		
99	60.5	47.9	71.9

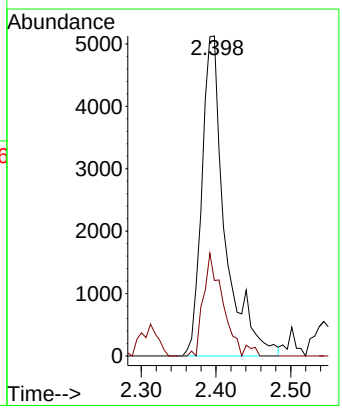


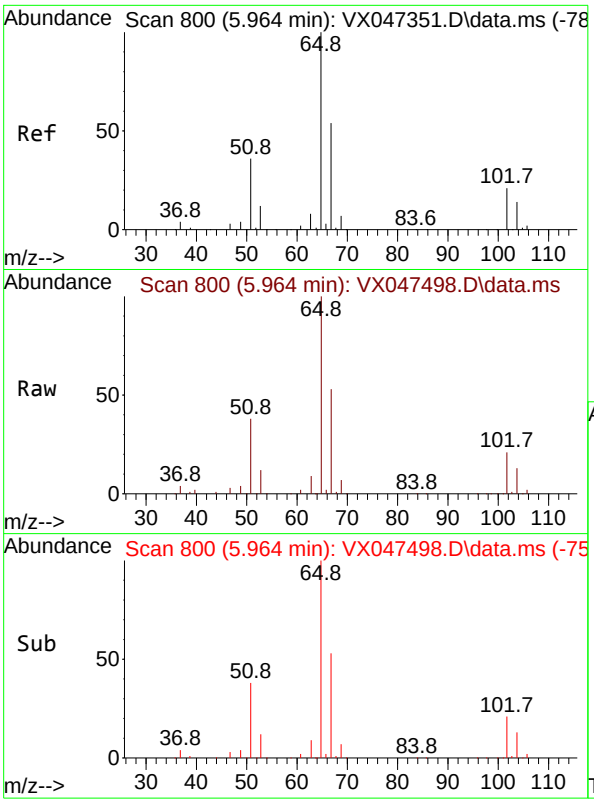


#16
Acetone
Concen: 11.049 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Tgt Ion: 43 Resp: 11053

Ion	Ratio	Lower	Upper
43	100		
58	23.6	24.8	37.2#



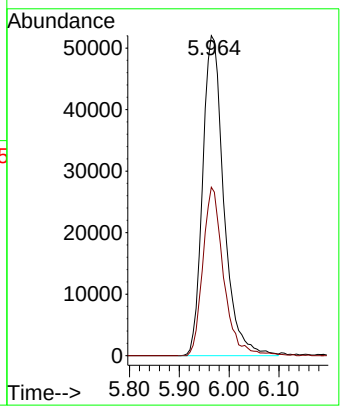


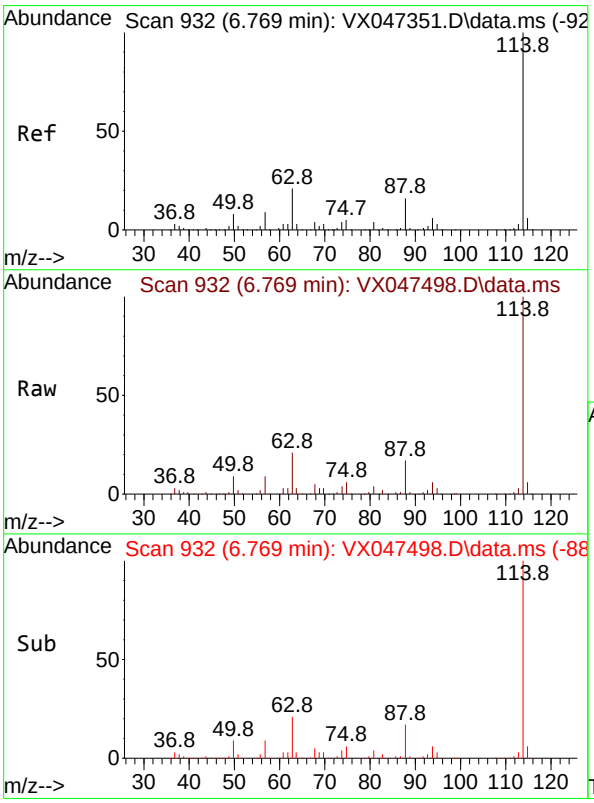
#33
1,2-Dichloroethane-d4
Concen: 57.633 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Tgt Ion: 65 Resp: 153384

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.0

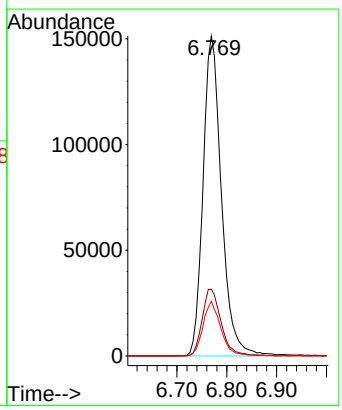


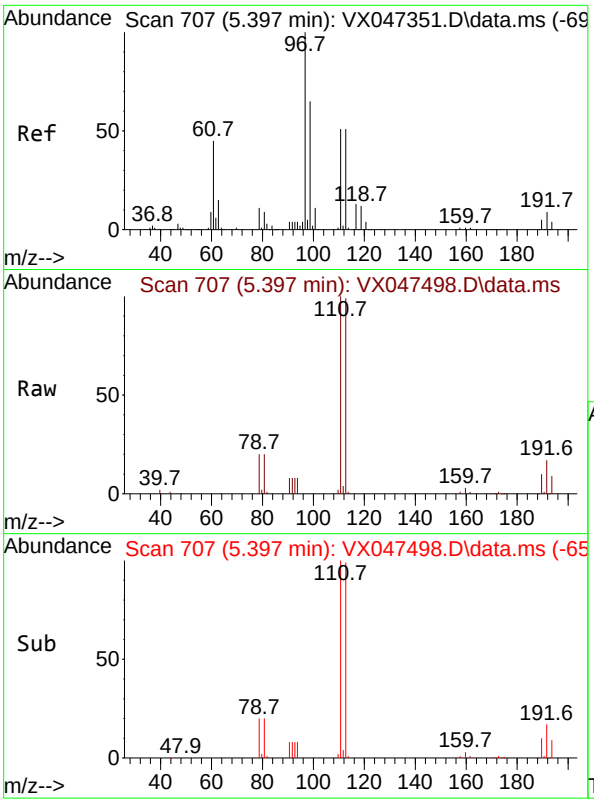


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Tgt Ion:114 Resp: 388667

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	42.4
88	17.1	0.0	33.0



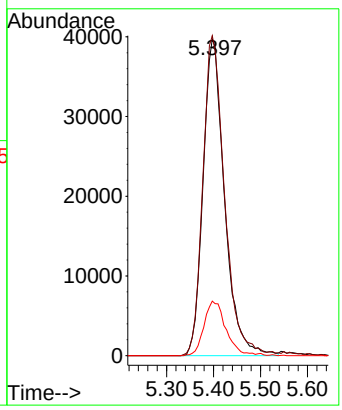


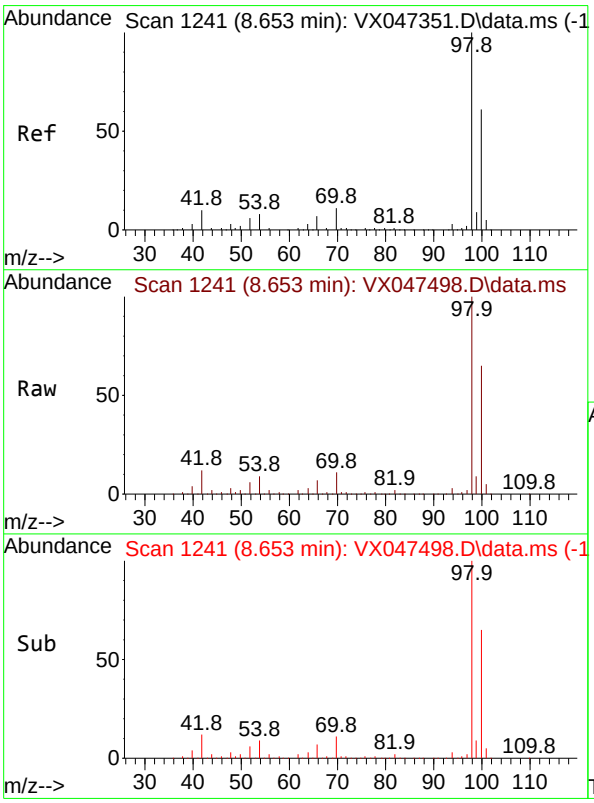
#35
Dibromofluoromethane
Concen: 49.860 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Tgt Ion:113 Resp: 125772

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.2
192	17.7	14.1	21.1

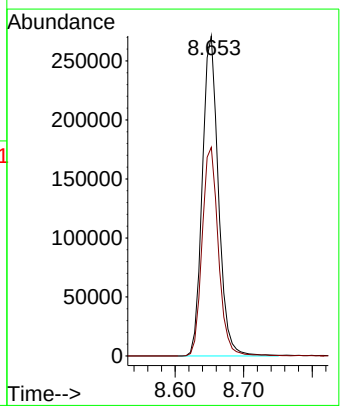


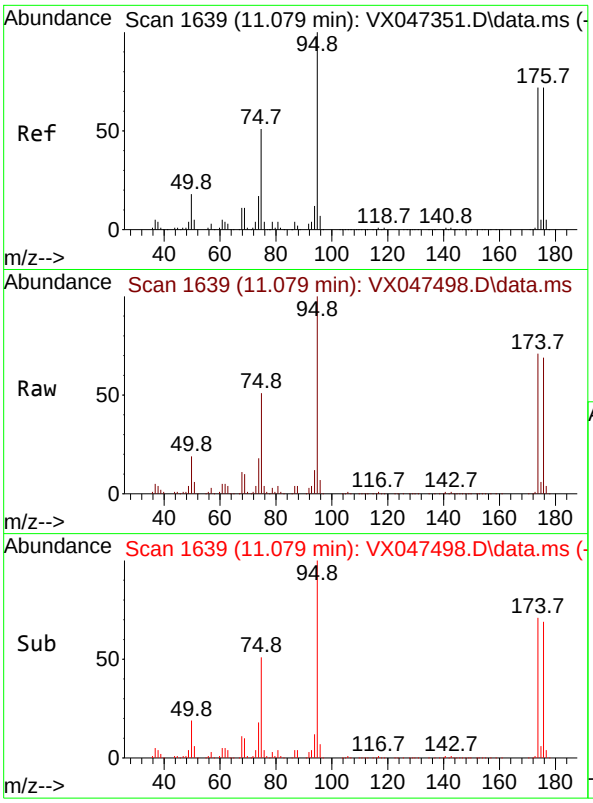


#50
Toluene-d8
Concen: 49.094 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Tgt Ion: 98 Resp: 442632

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.9	80.9



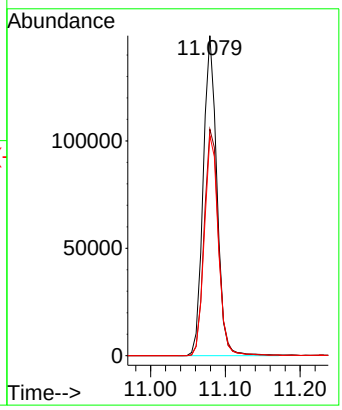


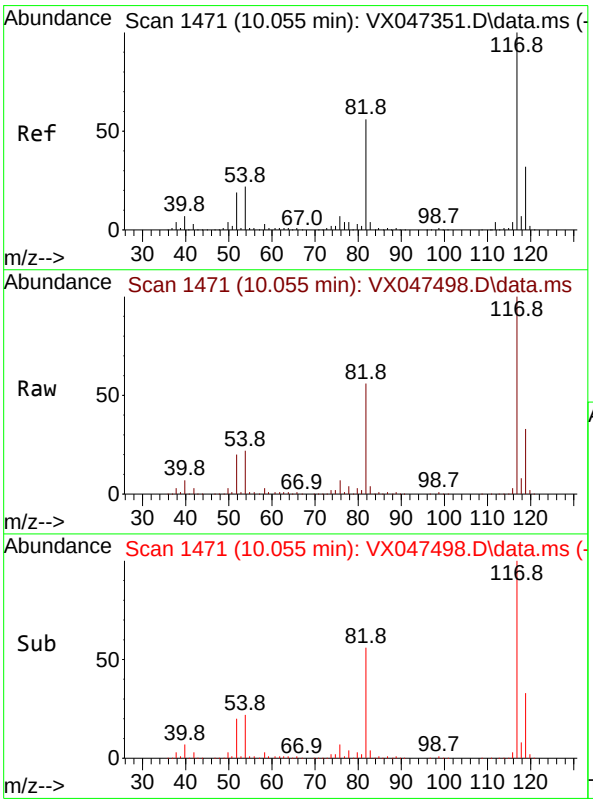
#62
4-Bromofluorobenzene
Concen: 56.971 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Tgt Ion: 95 Resp: 189548

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	148.0
176	70.6	0.0	145.4

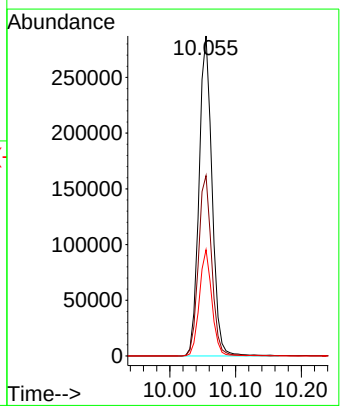


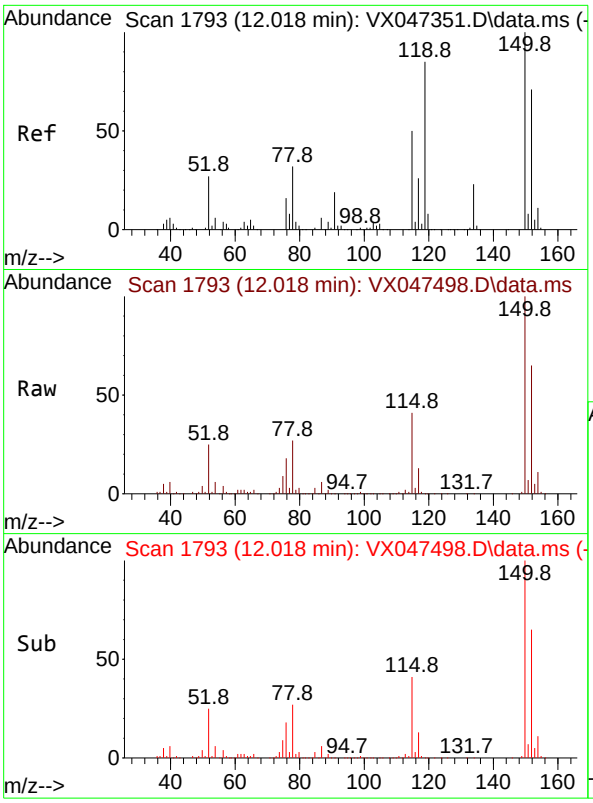


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Tgt Ion:117 Resp: 394548

Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.0	67.4
119	33.2	25.8	38.8



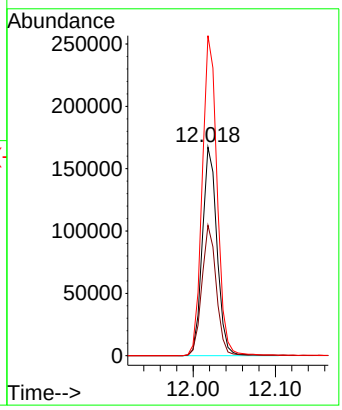


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Tgt Ion:152 Resp: 208234

Ion	Ratio	Lower	Upper
152	100		
115	61.8	44.6	133.8
150	156.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047498.D
Acq On : 22 Aug 2025 15:22
Operator : JC/MD
Sample : Q2934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

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_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047498.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	79	rBV	601660	2102980	100.00%	23.152%
2	5.397	694	707	725	rBV2	130406	414470	19.71%	4.563%
3	5.562	725	734	756	rVB	189750	588302	27.97%	6.477%
4	5.964	790	800	822	rBV	144382	422524	20.09%	4.652%
5	6.769	921	932	948	rBV	359223	919699	43.73%	10.125%
6	8.653	1233	1241	1260	rBV	712055	1191835	56.67%	13.121%
7	10.055	1465	1471	1482	rBV	892577	1229765	58.48%	13.539%
8	11.079	1634	1639	1659	rVB	700601	900066	42.80%	9.909%
9	12.018	1788	1793	1810	rBV	1037438	1291927	61.43%	14.223%
10	13.780	2077	2082	2088	rBV2	14778	21764	1.03%	0.240%

Sum of corrected areas: 9083332

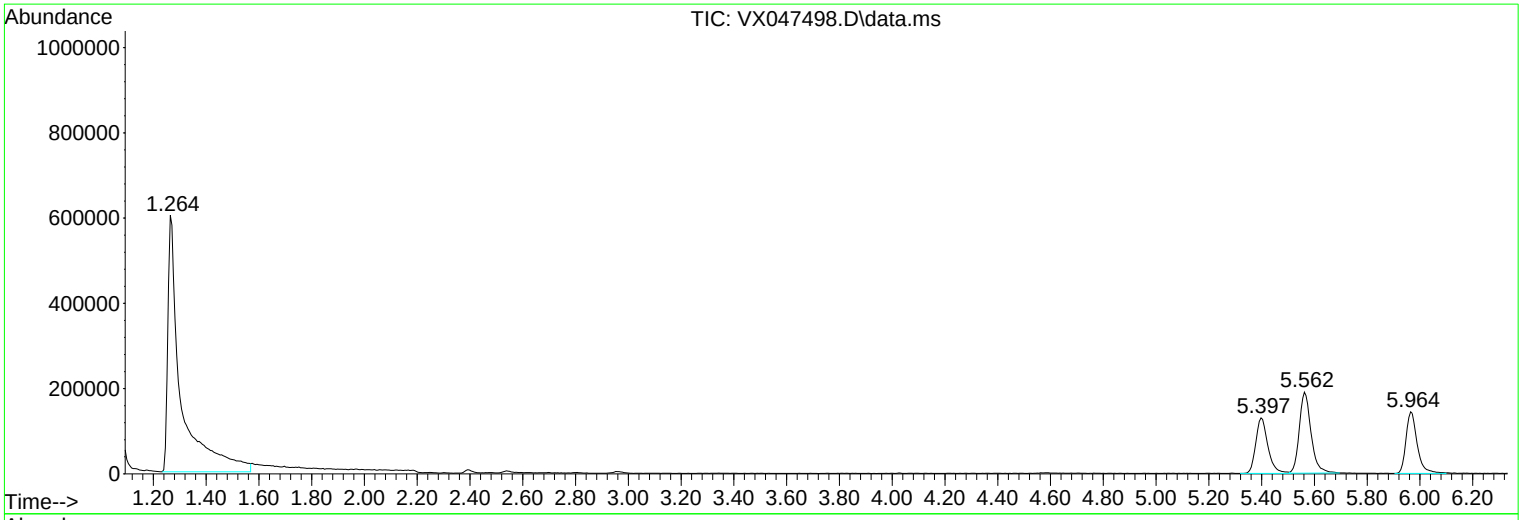
Sample Results: **VX047498.D**

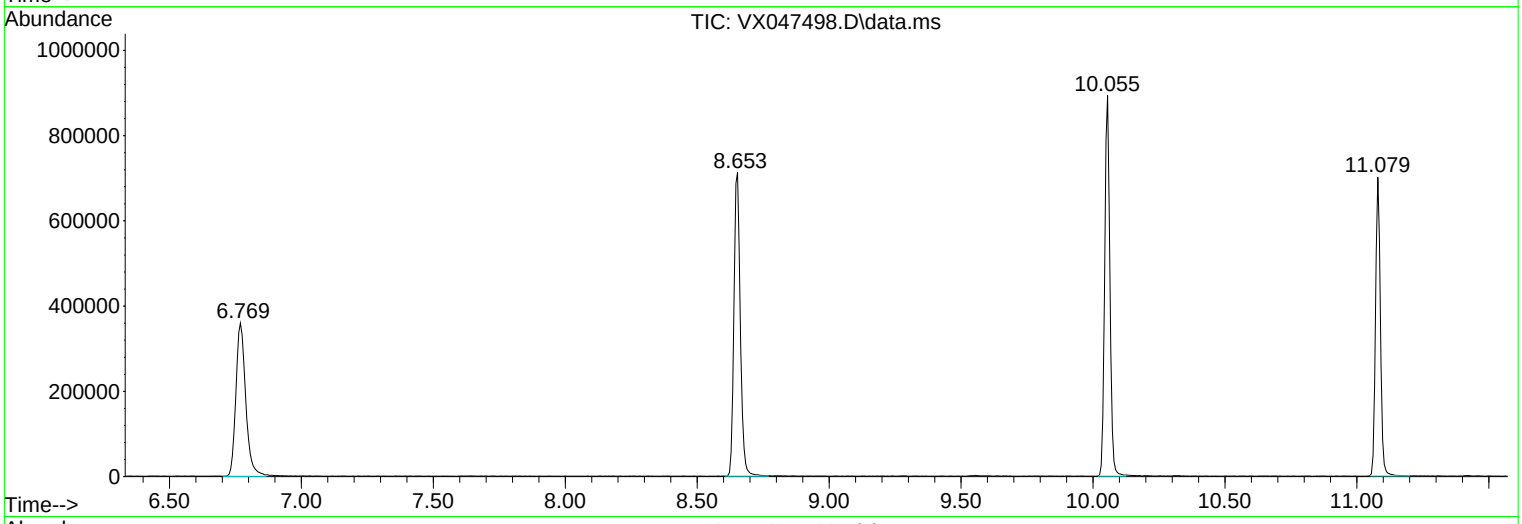
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047498.D
Acq On : 22 Aug 2025 15:22
Operator : JC/MD
Sample : Q2934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

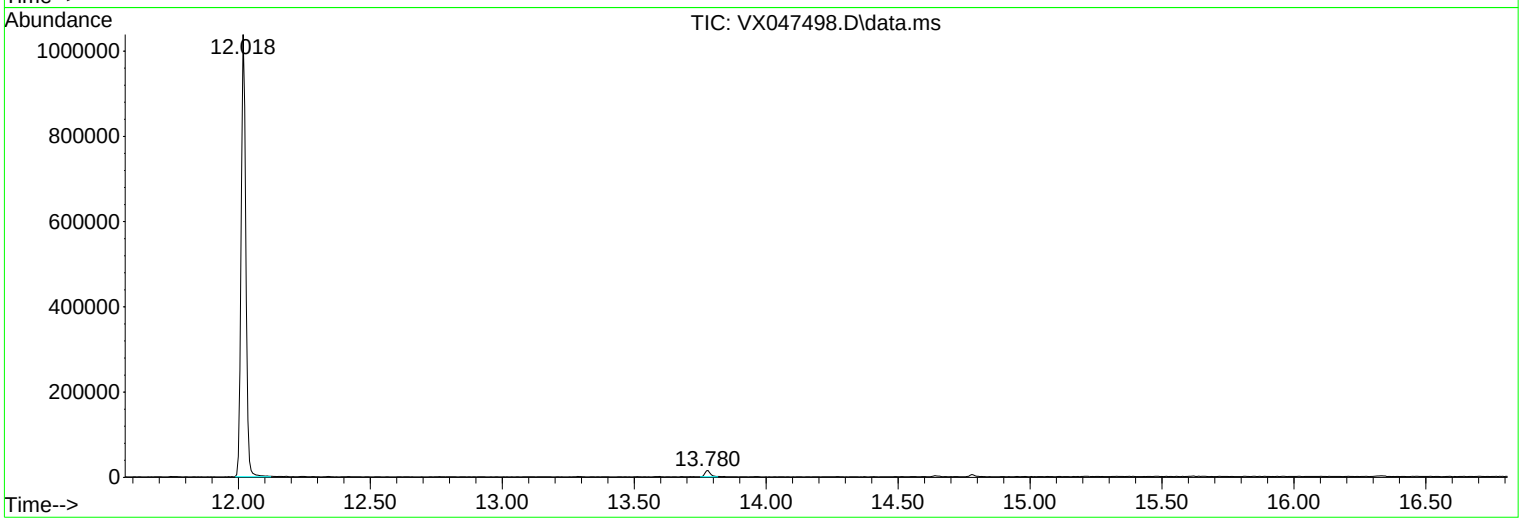
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047498.D
Acq On : 22 Aug 2025 15:22
Operator : JC/MD
Sample : Q2934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

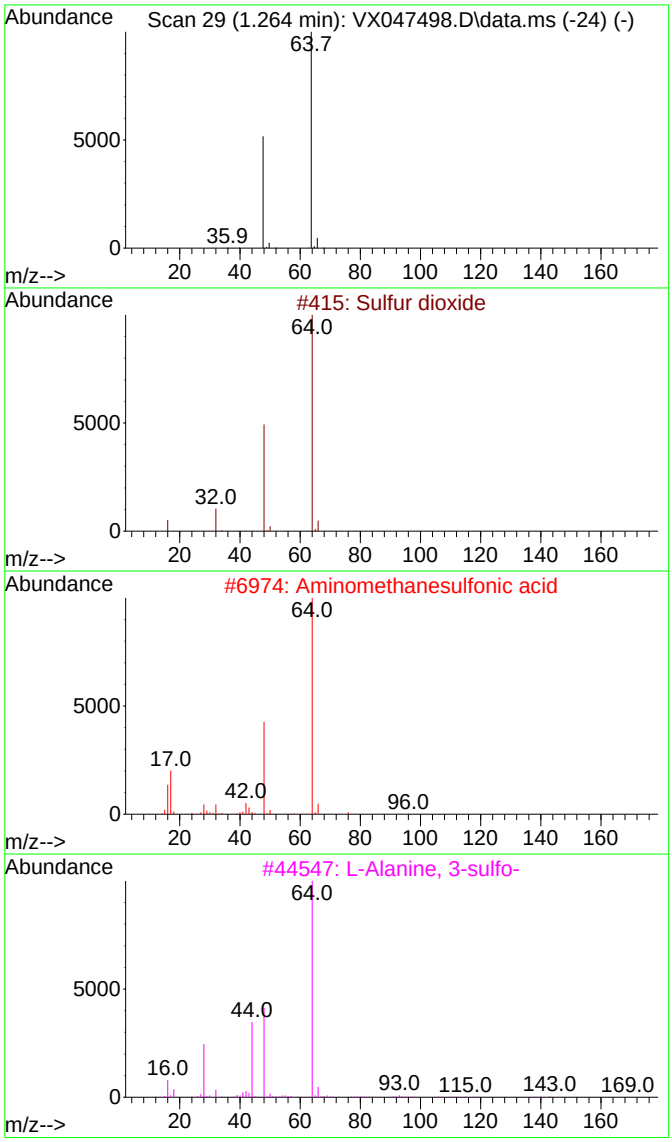
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TIC Integration Parameters: LSCINT.P

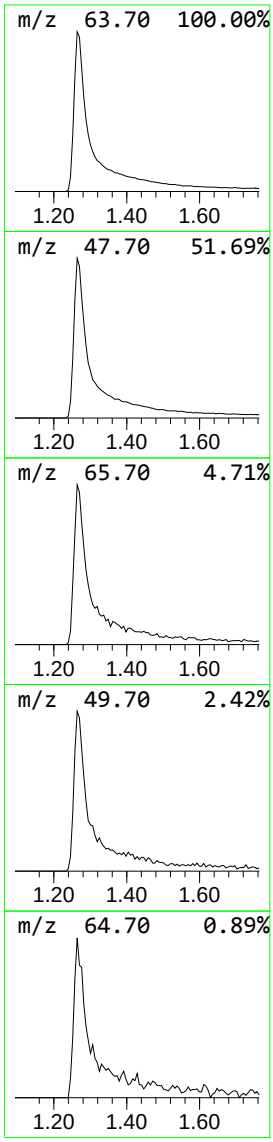
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	178.73 ug/l	2102980	Pentafluorobenzene	5.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047498.D
Acq On : 22 Aug 2025 15:22
Operator : JC/MD
Sample : Q2934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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
Sulfur dioxide	1.264	178.7	ug/l	2102980	1	5.568	588302	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047499.D
Acq On : 22 Aug 2025 15:43
Operator : JC/MD
Sample : Q2934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Quant Time: Aug 25 01:29:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

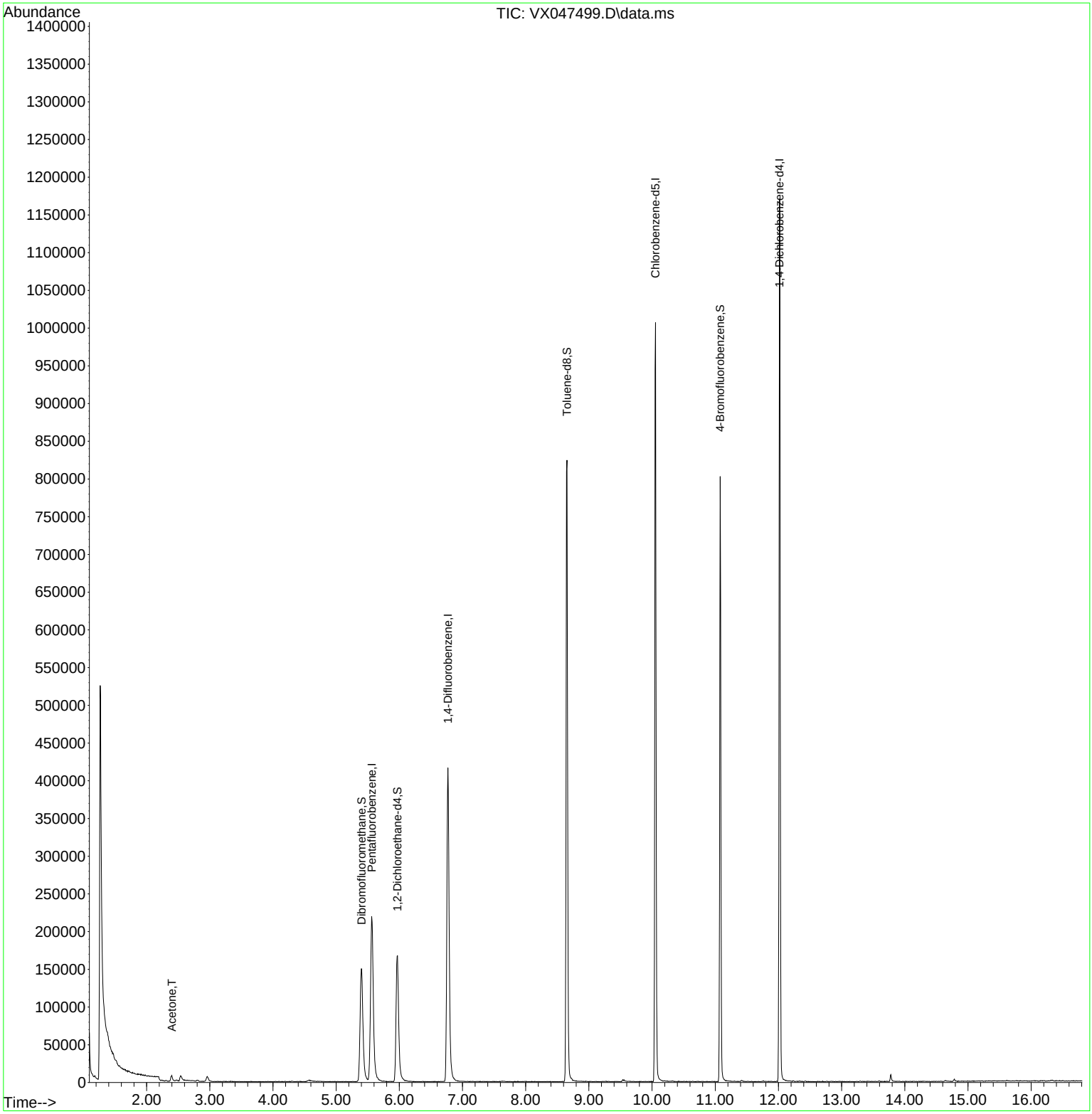
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	221184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	449540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	448300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	236211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	178530	57.673	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.340%			
35) Dibromofluoromethane	5.403	113	146689	50.278	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.560%			
50) Toluene-d8	8.653	98	504540	48.383	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.760%			
62) 4-Bromofluorobenzene	11.079	95	213726	55.539	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.080%			
Target Compounds						Qvalue
16) Acetone	2.398	43	10669	9.169	ug/l	98

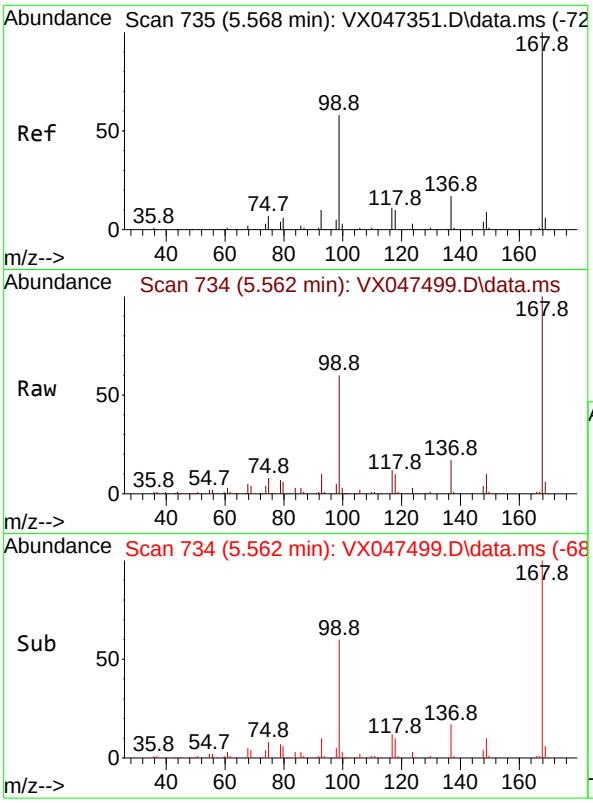
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047499.D
Acq On : 22 Aug 2025 15:43
Operator : JC/MD
Sample : Q2934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Quant Time: Aug 25 01:29:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



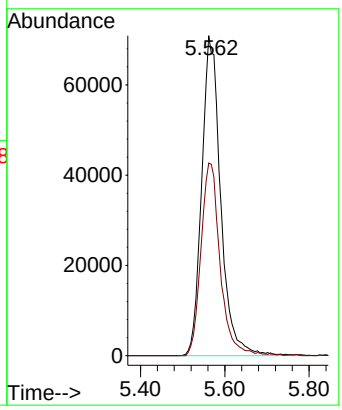


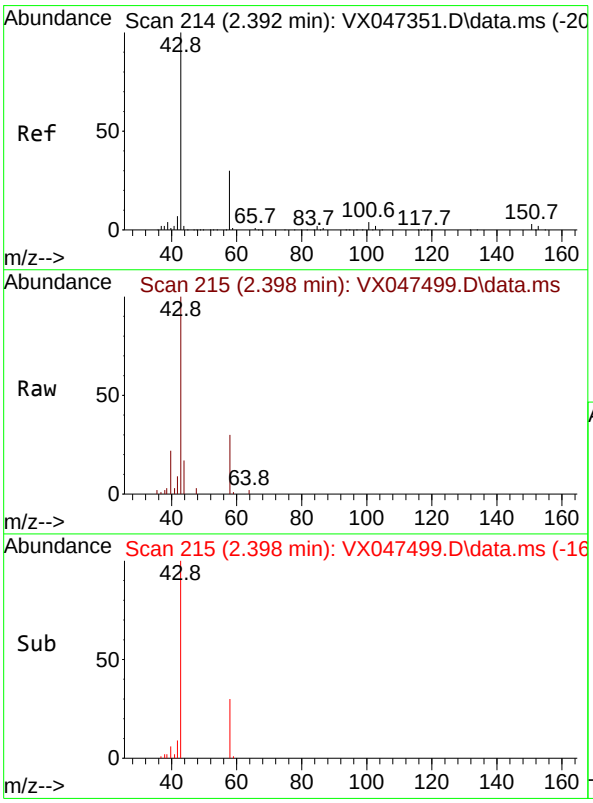
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Tgt Ion:168 Resp: 221184

Ion	Ratio	Lower	Upper
168	100		
99	60.2	47.9	71.9

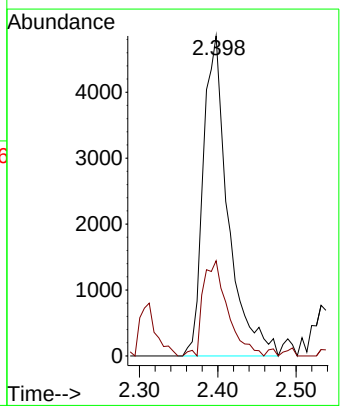


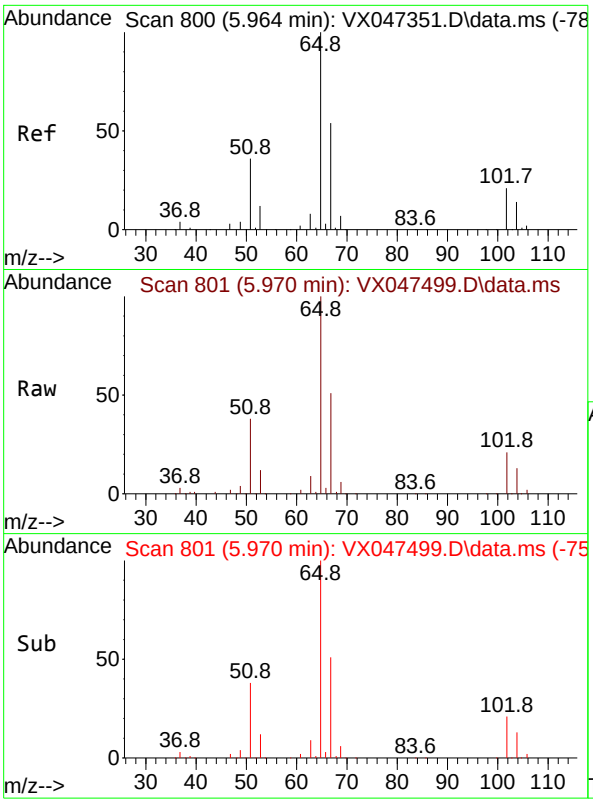


#16
Acetone
Concen: 9.169 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion: 43 Resp: 10669

Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.8	37.2



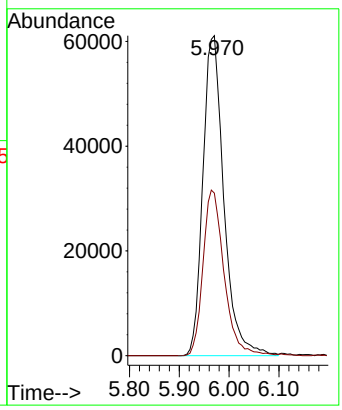


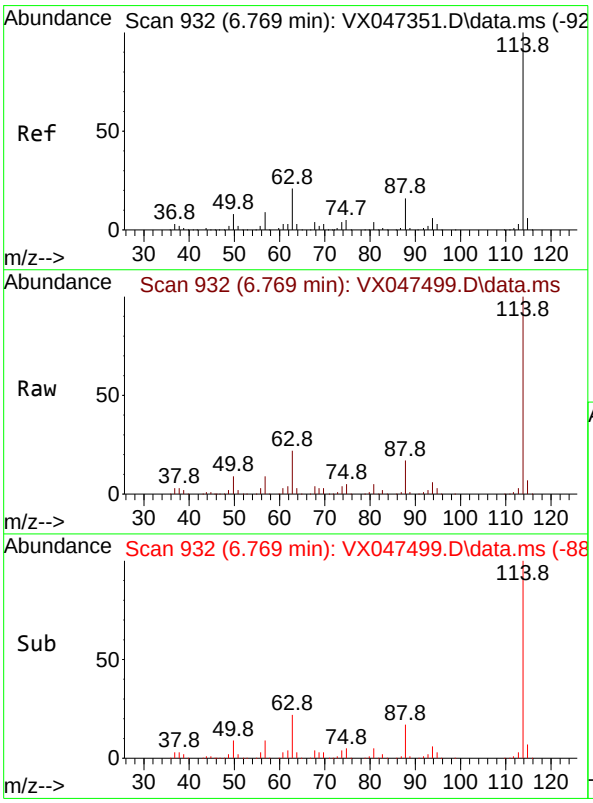
#33
1,2-Dichloroethane-d4
Concen: 57.673 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Tgt Ion: 65 Resp: 178530

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.0

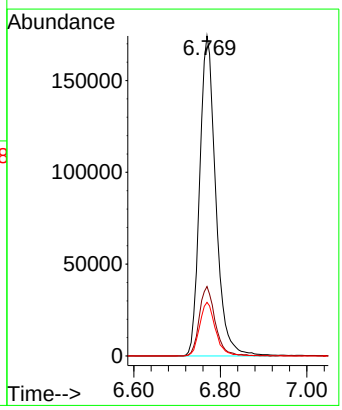


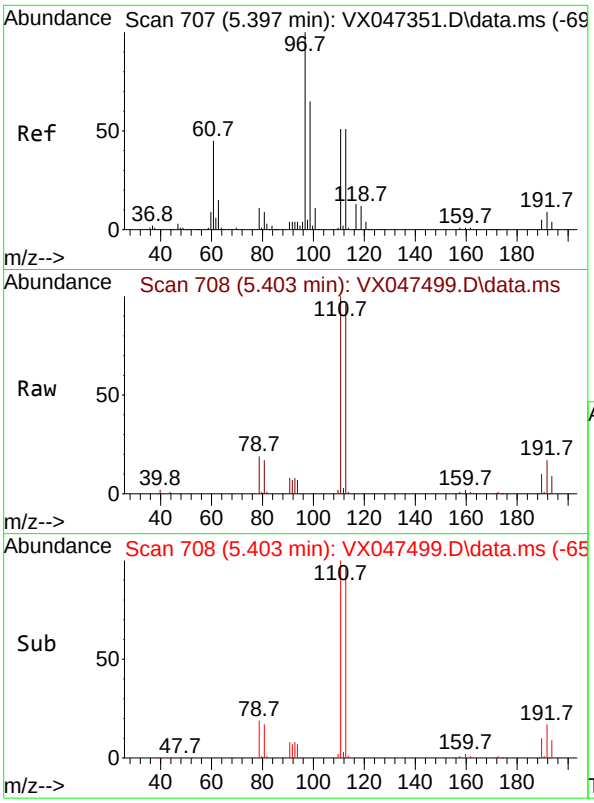


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion:114 Resp: 449540

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.4
88	16.8	0.0	33.0



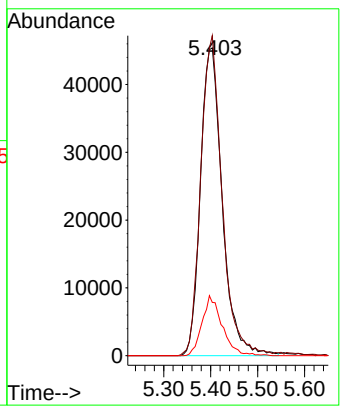


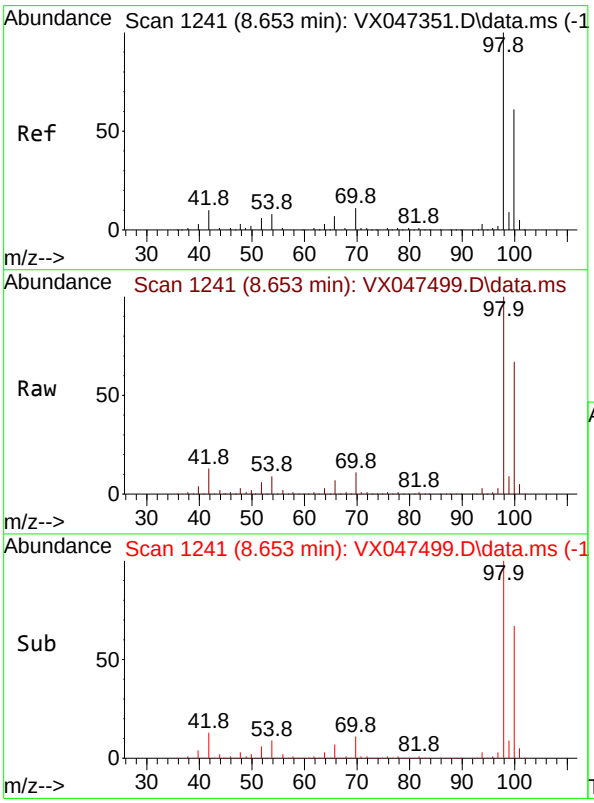
#35
Dibromofluoromethane
Concen: 50.278 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Tgt Ion:113 Resp: 146689

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.4	122.2
192	18.0	14.1	21.1

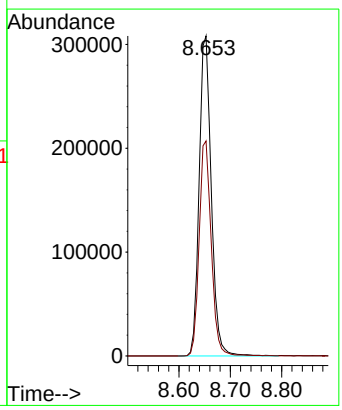


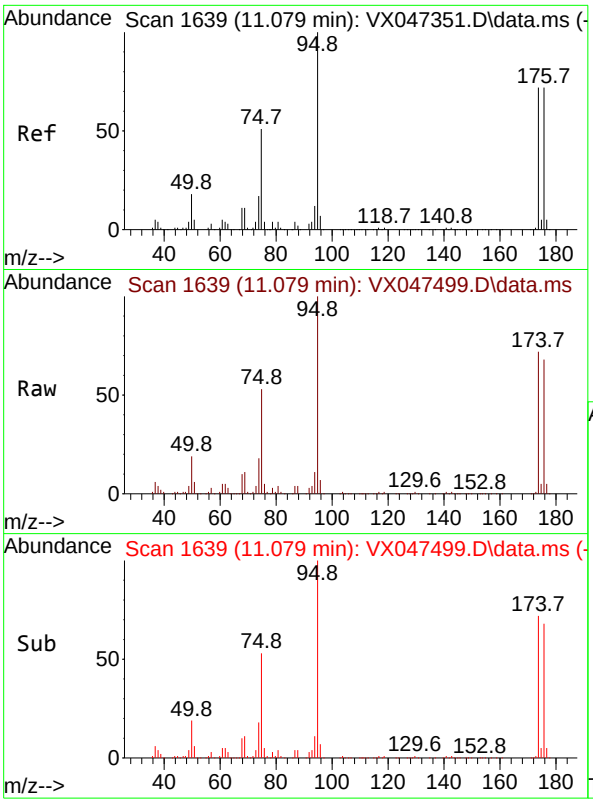


#50
Toluene-d8
Concen: 48.383 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion: 98 Resp: 504540

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.9	80.9



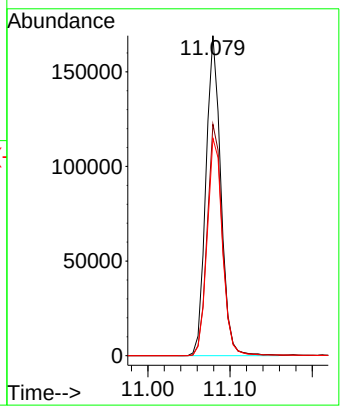


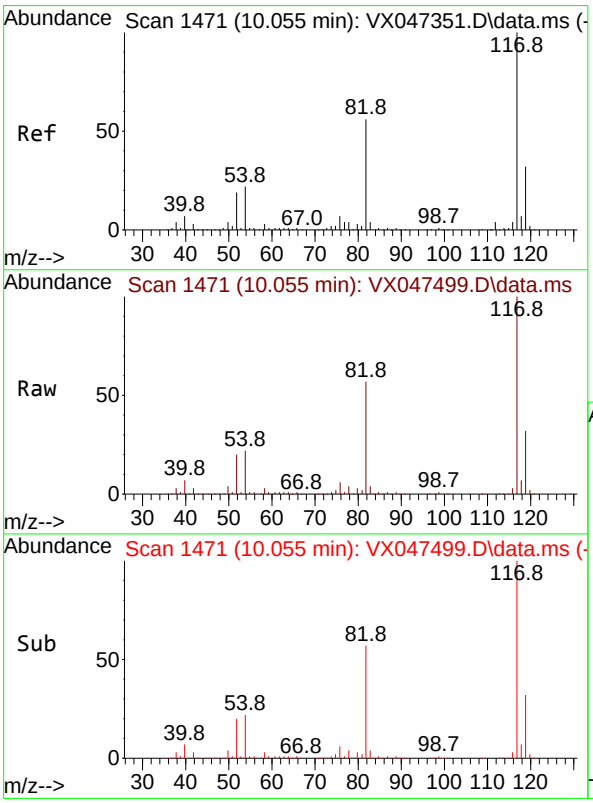
#62
4-Bromofluorobenzene
Concen: 55.539 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Tgt Ion: 95 Resp: 213726

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	148.0
176	69.5	0.0	145.4

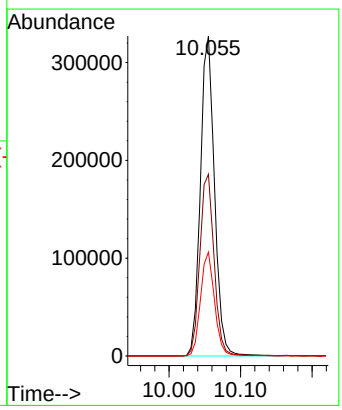


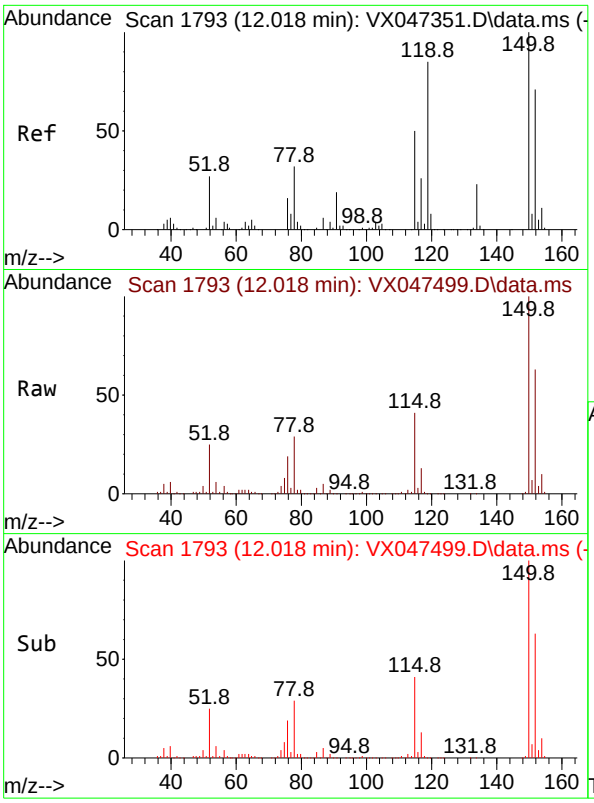


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion:117 Resp: 448300

Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.0	67.4
119	32.5	25.8	38.8



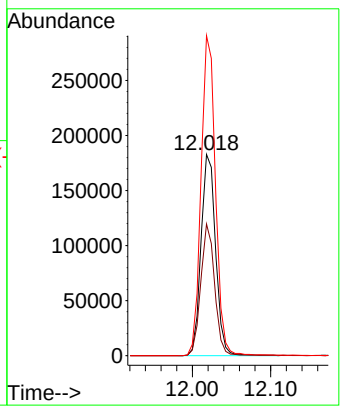


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Tgt Ion:152 Resp: 236211

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.6	133.8
150	157.6	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047499.D
Acq On : 22 Aug 2025 15:43
Operator : JC/MD
Sample : Q2934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

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_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047499.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	61	rBV	521944	1628491	100.00%	16.939%
2	2.398	207	215	223	rBV	7908	16997	1.04%	0.177%
3	5.397	694	707	724	rBV3	149565	479529	29.45%	4.988%
4	5.562	724	734	756	rVB	217718	670646	41.18%	6.976%
5	5.970	790	801	820	rBV	167234	491490	30.18%	5.112%
6	6.769	923	932	953	rBV	415680	1065255	65.41%	11.081%
7	8.653	1233	1241	1251	rBV	823592	1361012	83.58%	14.157%
8	10.055	1465	1471	1490	rBV	1006468	1406705	86.38%	14.632%
9	11.079	1634	1639	1653	rBV	802146	1022408	62.78%	10.635%
10	12.018	1788	1793	1803	rBV	1170116	1471118	90.34%	15.302%

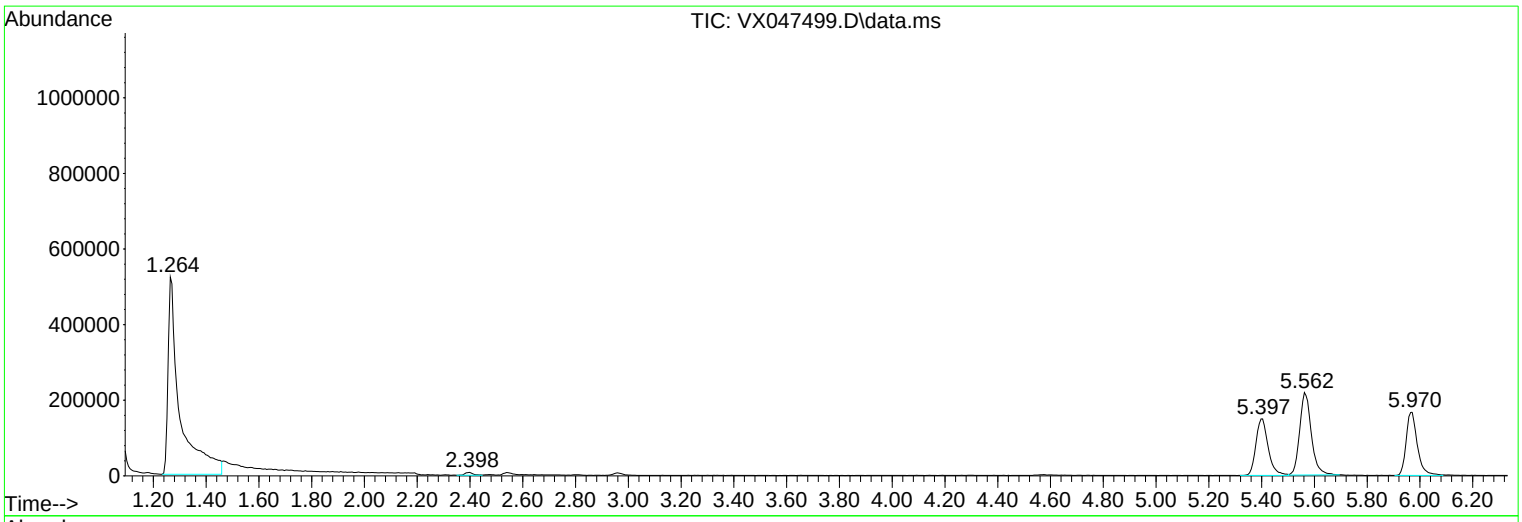
Sum of corrected areas: 9613651

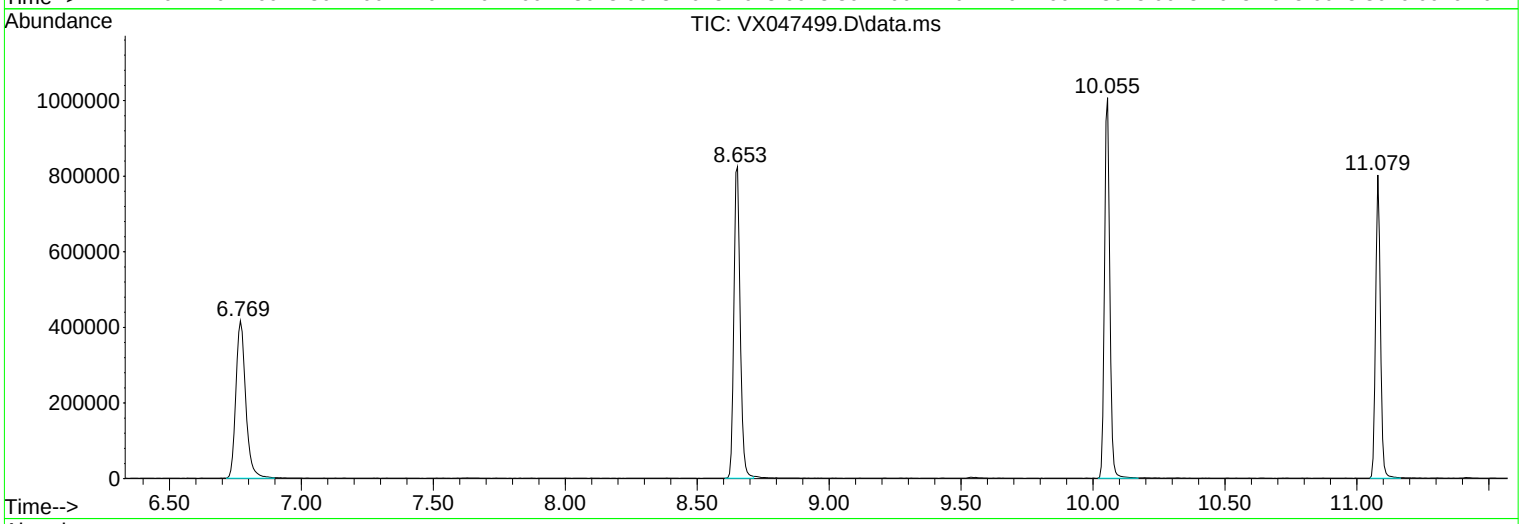
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047499.D
Acq On : 22 Aug 2025 15:43
Operator : JC/MD
Sample : Q2934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

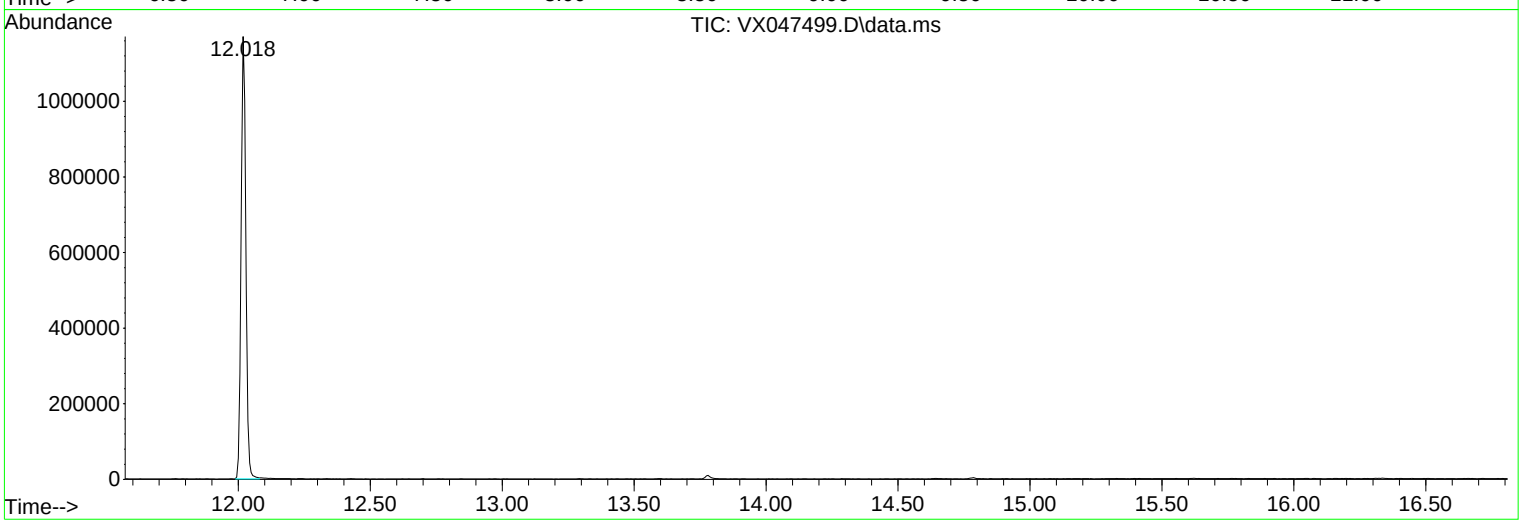
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047499.D
Acq On : 22 Aug 2025 15:43
Operator : JC/MD
Sample : Q2934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

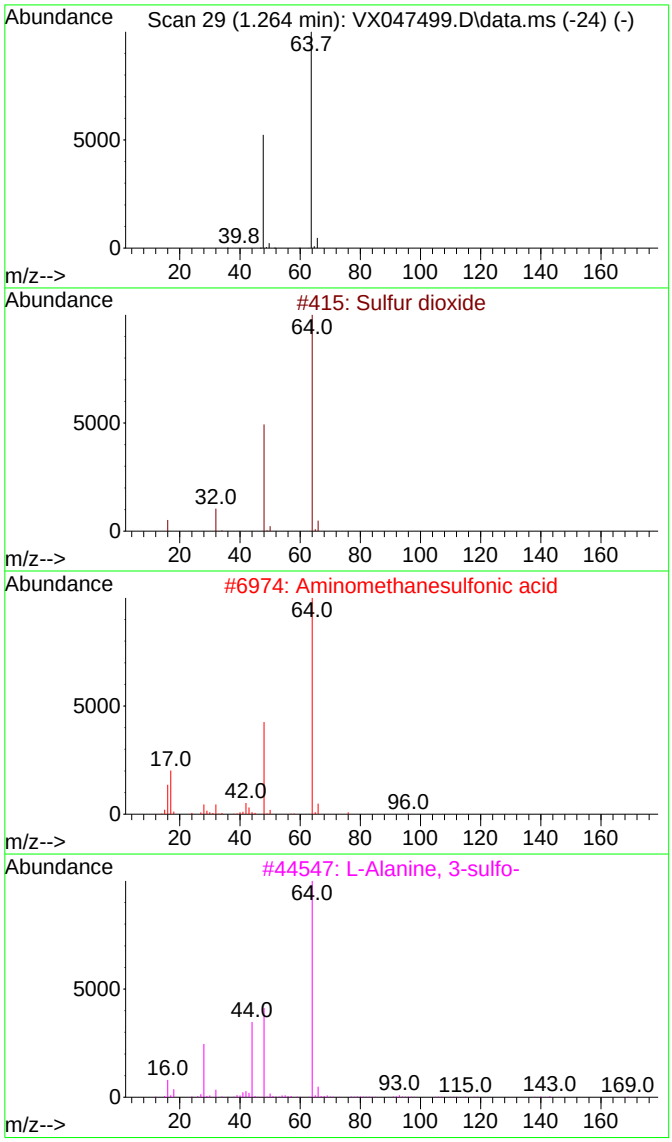
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

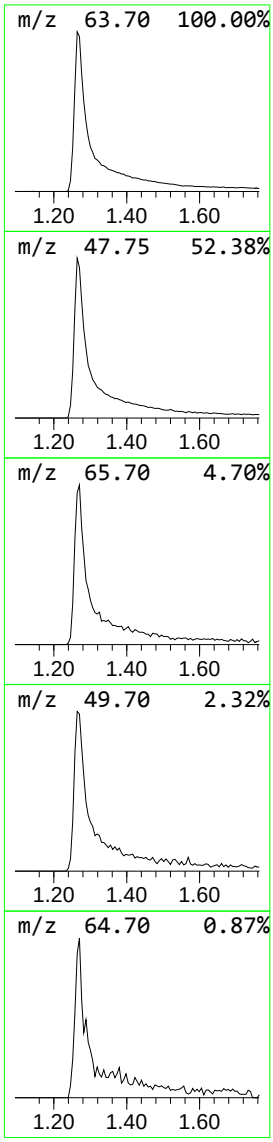
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	121.41 ug/l	1628490	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047499.D
Acq On : 22 Aug 2025 15:43
Operator : JC/MD
Sample : Q2934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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
Sulfur dioxide	1.264	121.4	ug/l	1628490	1	5.562	670646	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047500.D
Acq On : 22 Aug 2025 16:04
Operator : JC/MD
Sample : Q2934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Quant Time: Aug 25 01:30:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

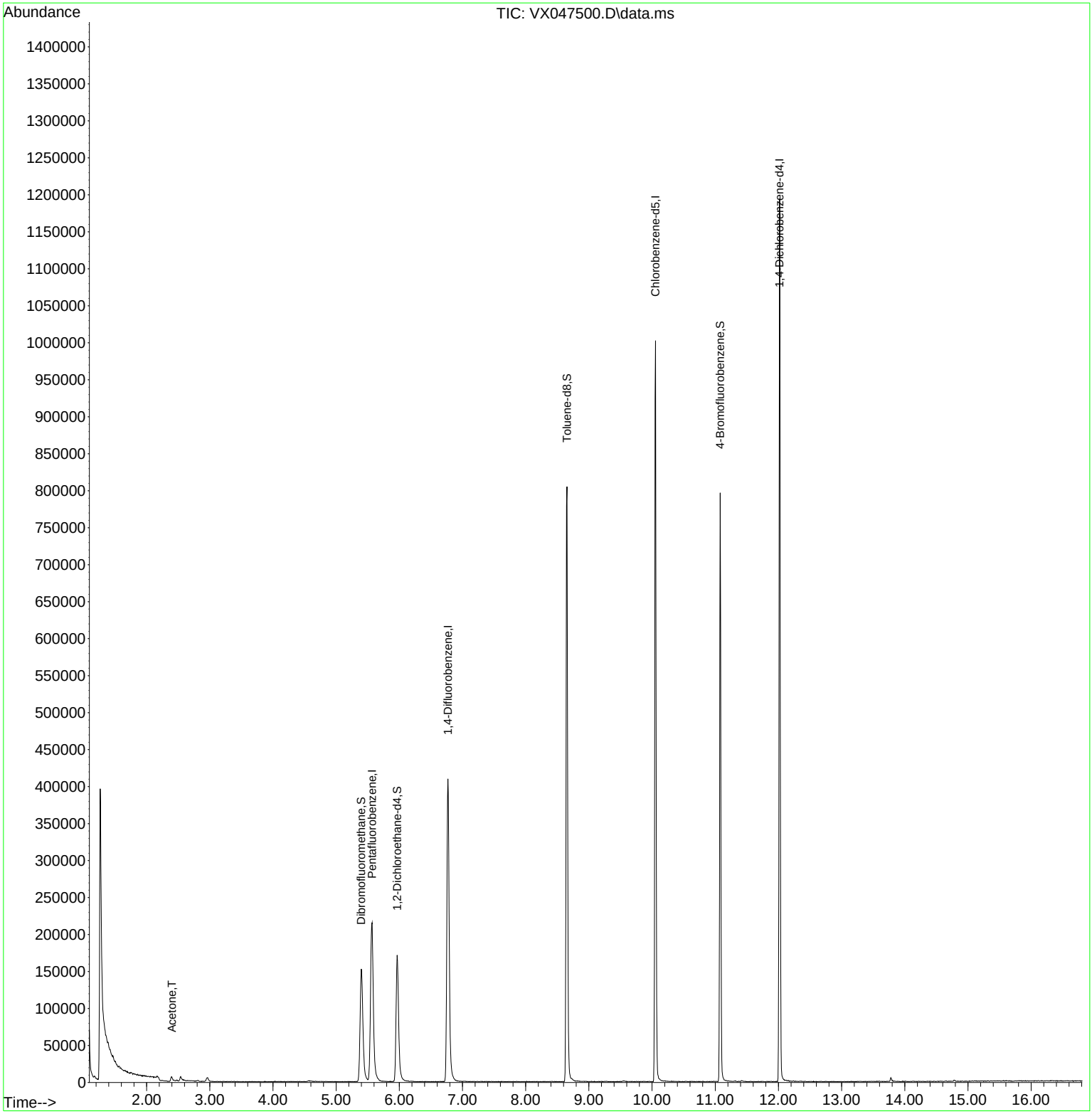
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	218472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	445802	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	449549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	239933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176045	57.577	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.160%			
35) Dibromofluoromethane	5.397	113	145438	50.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.540%			
50) Toluene-d8	8.653	98	502930	48.633	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.260%			
62) 4-Bromofluorobenzene	11.079	95	212526	55.691	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.380%			
Target Compounds						Qvalue
16) Acetone	2.398	43	8731	7.597	ug/l	98

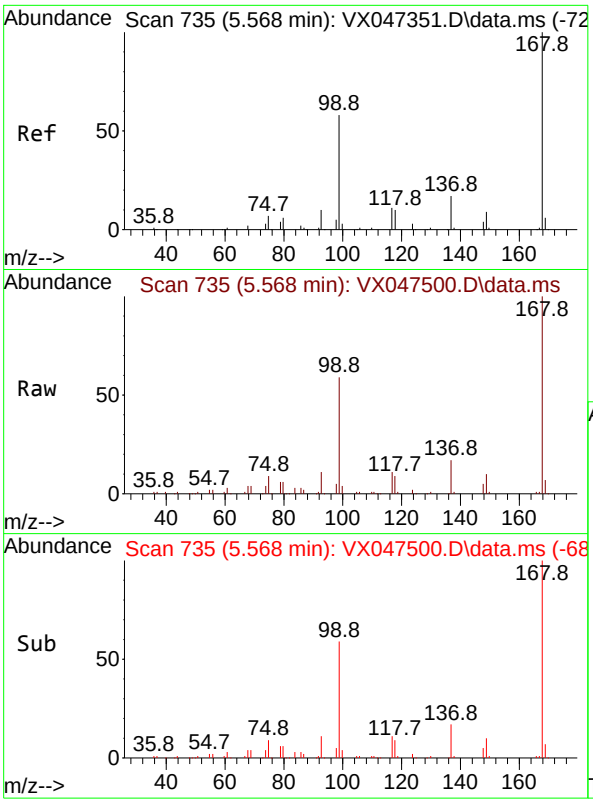
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047500.D
Acq On : 22 Aug 2025 16:04
Operator : JC/MD
Sample : Q2934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Quant Time: Aug 25 01:30:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



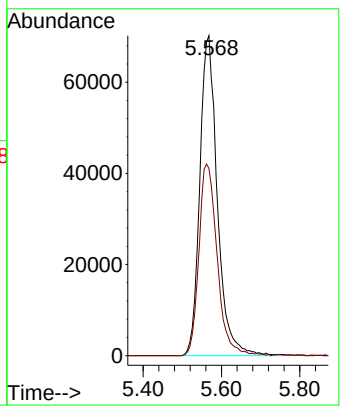


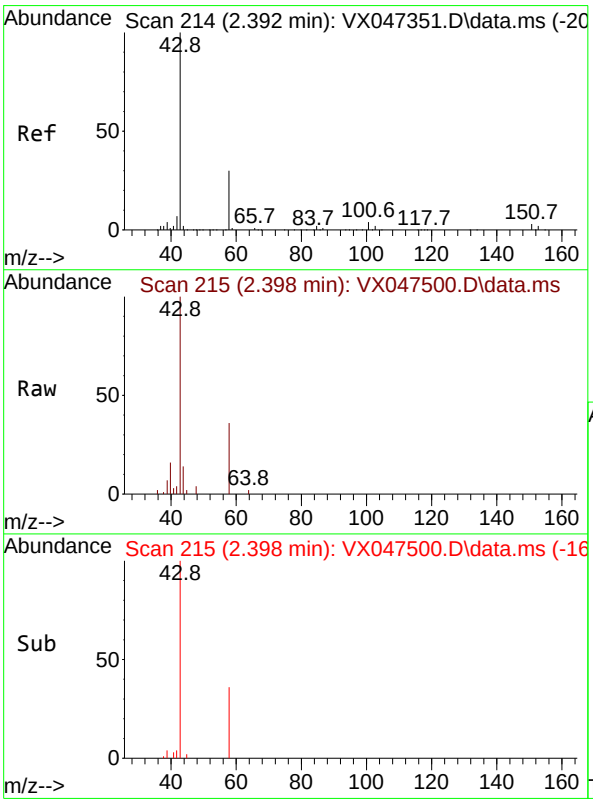
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Tgt Ion:168 Resp: 218472

Ion	Ratio	Lower	Upper
168	100		
99	58.5	47.9	71.9

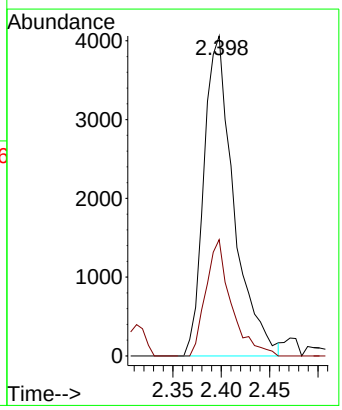


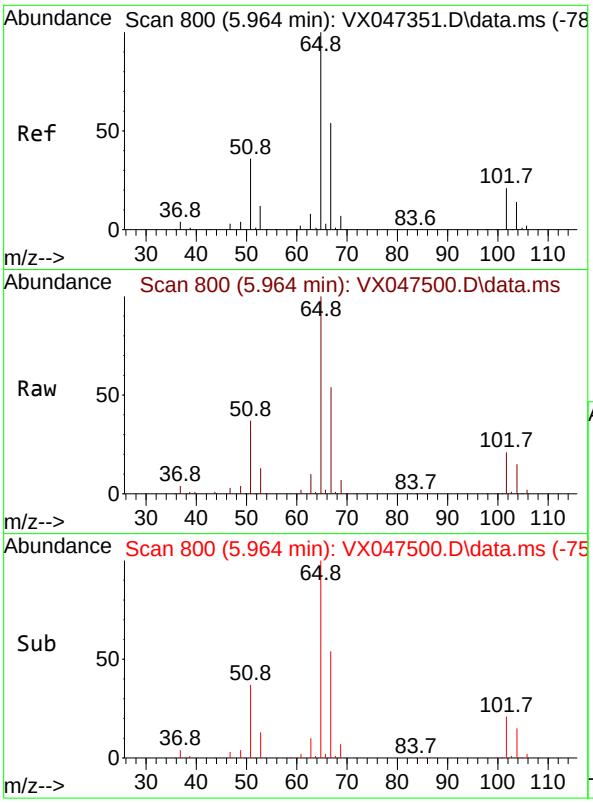


#16
Acetone
Concen: 7.597 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion: 43 Resp: 8731

Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.8	37.2



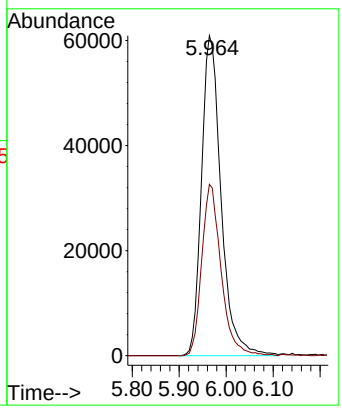


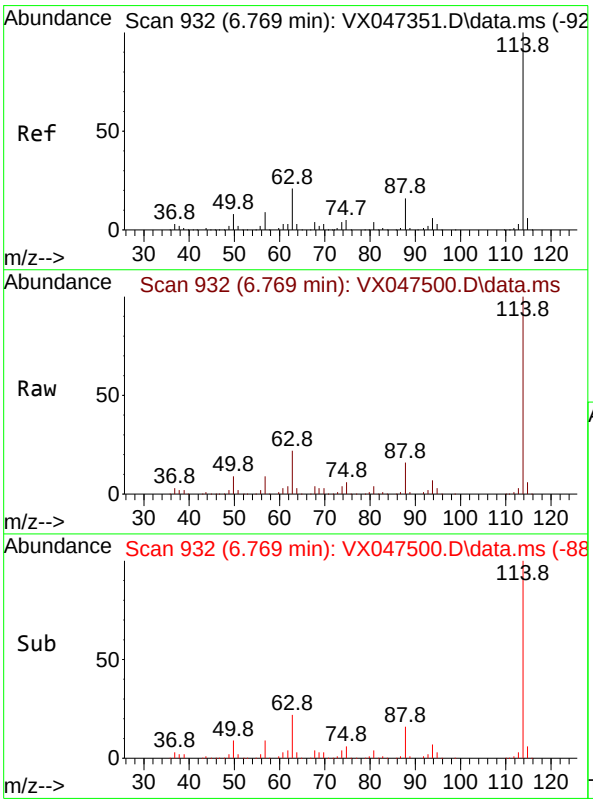
#33
1,2-Dichloroethane-d4
Concen: 57.577 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Tgt Ion: 65 Resp: 176045

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	106.0

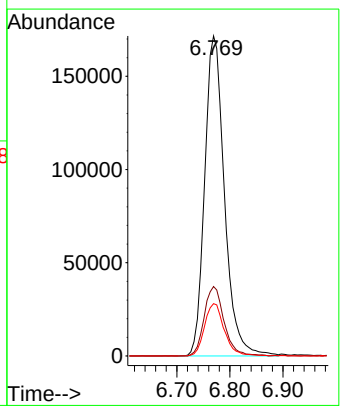


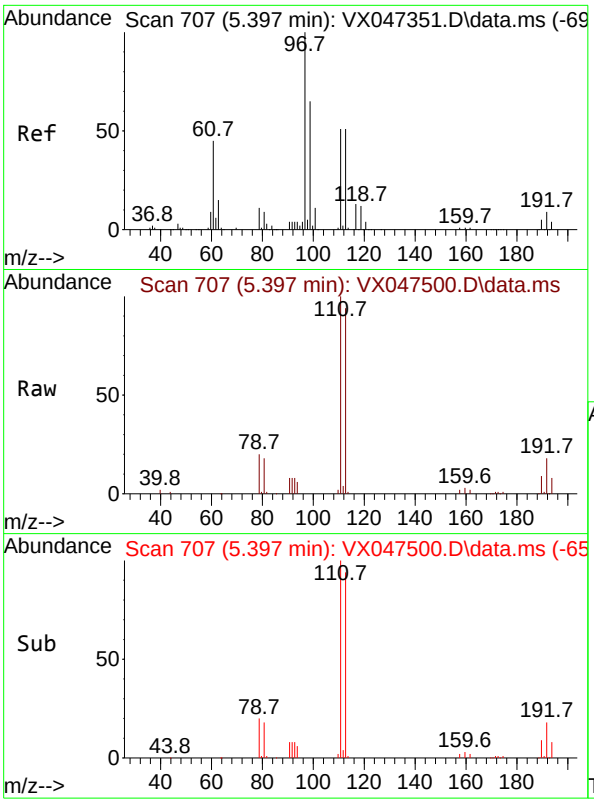


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion:114 Resp: 445802

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	42.4
88	16.4	0.0	33.0



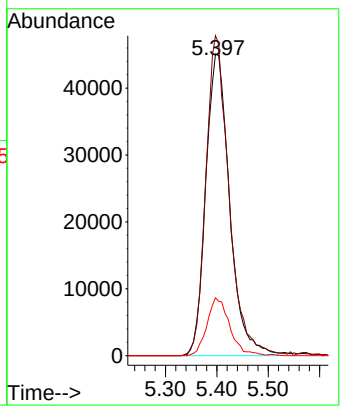


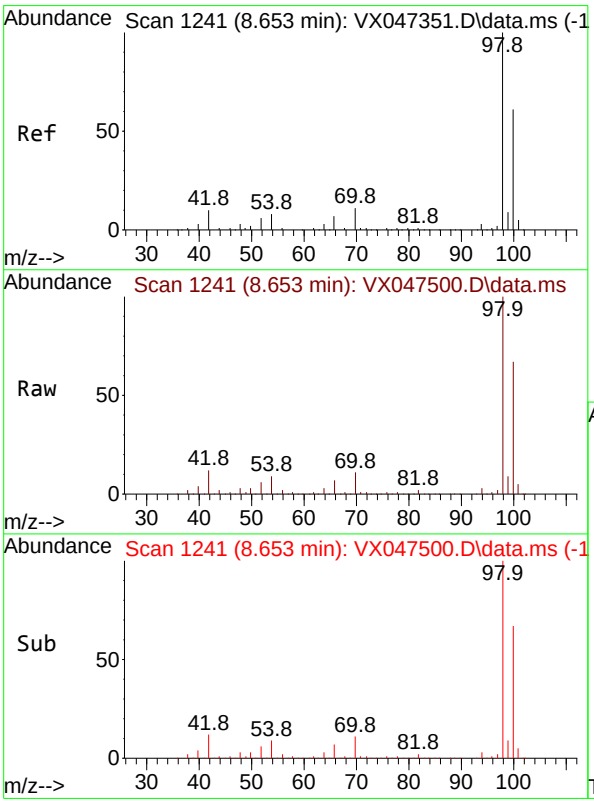
#35
Dibromofluoromethane
Concen: 50.267 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Tgt Ion:113 Resp: 145438

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.2
192	18.2	14.1	21.1

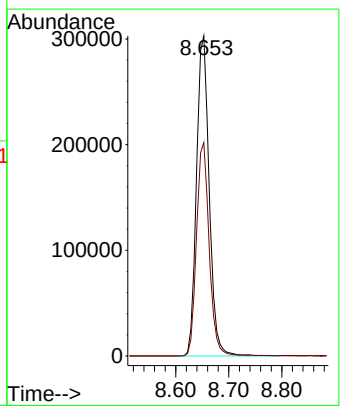


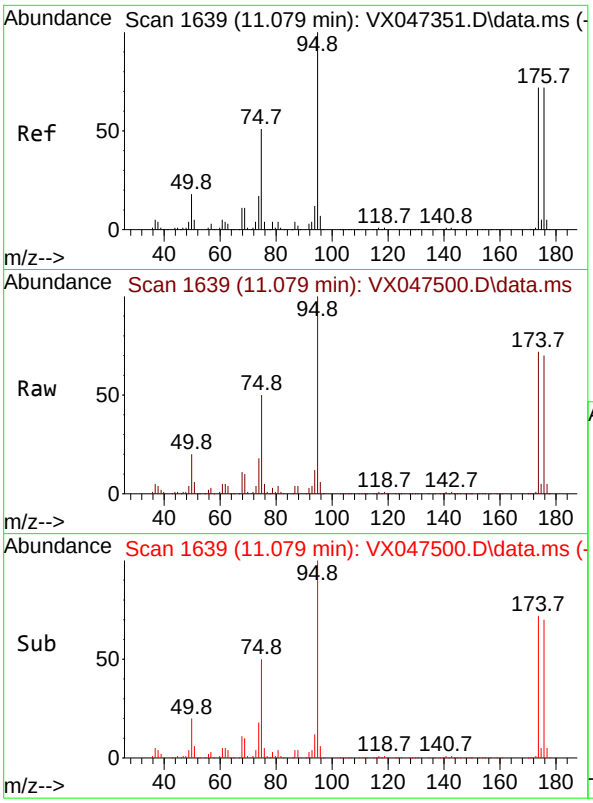


#50
Toluene-d8
Concen: 48.633 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion: 98 Resp: 502930

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.9	80.9



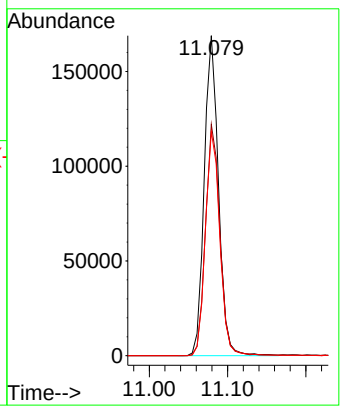


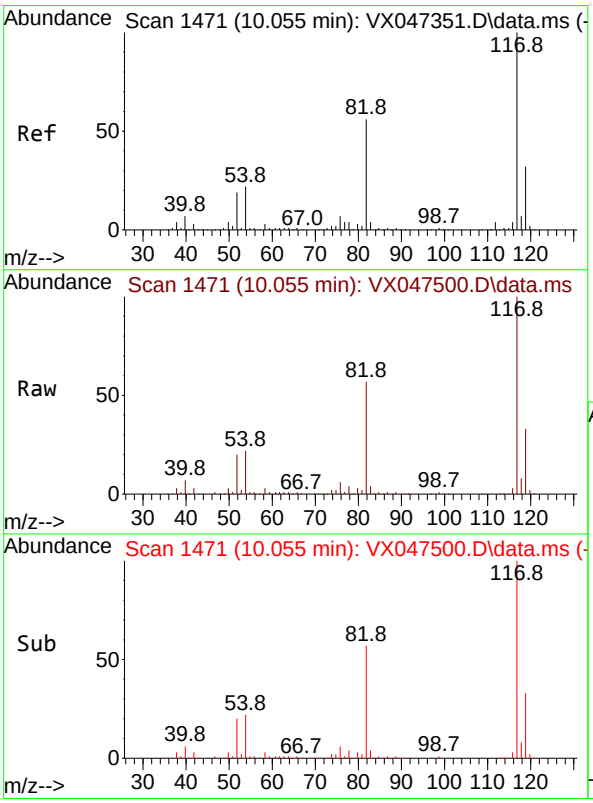
#62
4-Bromofluorobenzene
Concen: 55.691 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Tgt Ion: 95 Resp: 212526

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	148.0
176	71.3	0.0	145.4

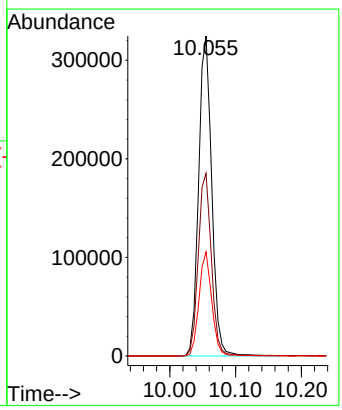


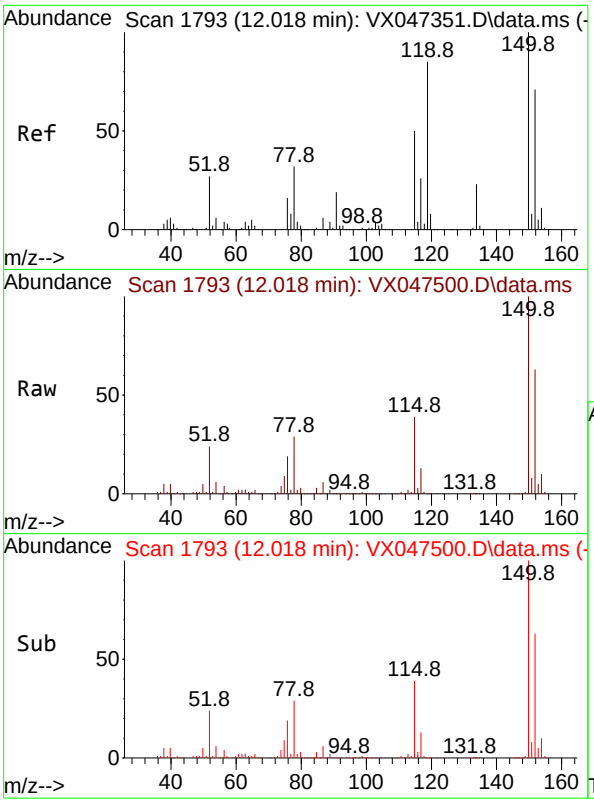


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion:117 Resp: 449549

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.0	67.4
119	32.5	25.8	38.8



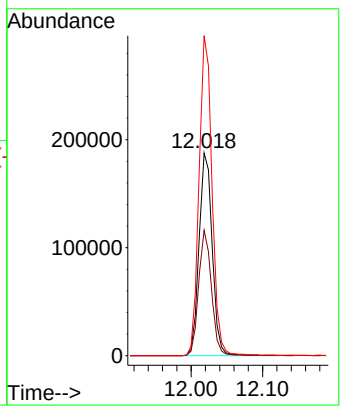


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Tgt Ion:152 Resp: 239933

Ion	Ratio	Lower	Upper
152	100		
115	60.1	44.6	133.8
150	156.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047500.D
Acq On : 22 Aug 2025 16:04
Operator : JC/MD
Sample : Q2934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

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_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047500.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	48	rBV	393056	1090289	73.51%	12.068%
2	5.397	695	707	724	rBV4	152266	478097	32.24%	5.292%
3	5.568	724	735	755	rVB	213834	671036	45.24%	7.427%
4	5.964	791	800	824	rBV	170572	482232	32.51%	5.338%
5	6.769	922	932	952	rBV	409425	1064124	71.75%	11.778%
6	8.653	1234	1241	1252	rBV	804160	1349965	91.02%	14.942%
7	10.055	1465	1471	1489	rBV	1001709	1404424	94.69%	15.545%
8	11.079	1634	1639	1650	rBV	795471	1011225	68.18%	11.193%
9	12.018	1788	1793	1806	rBV	1193311	1483130	100.00%	16.416%

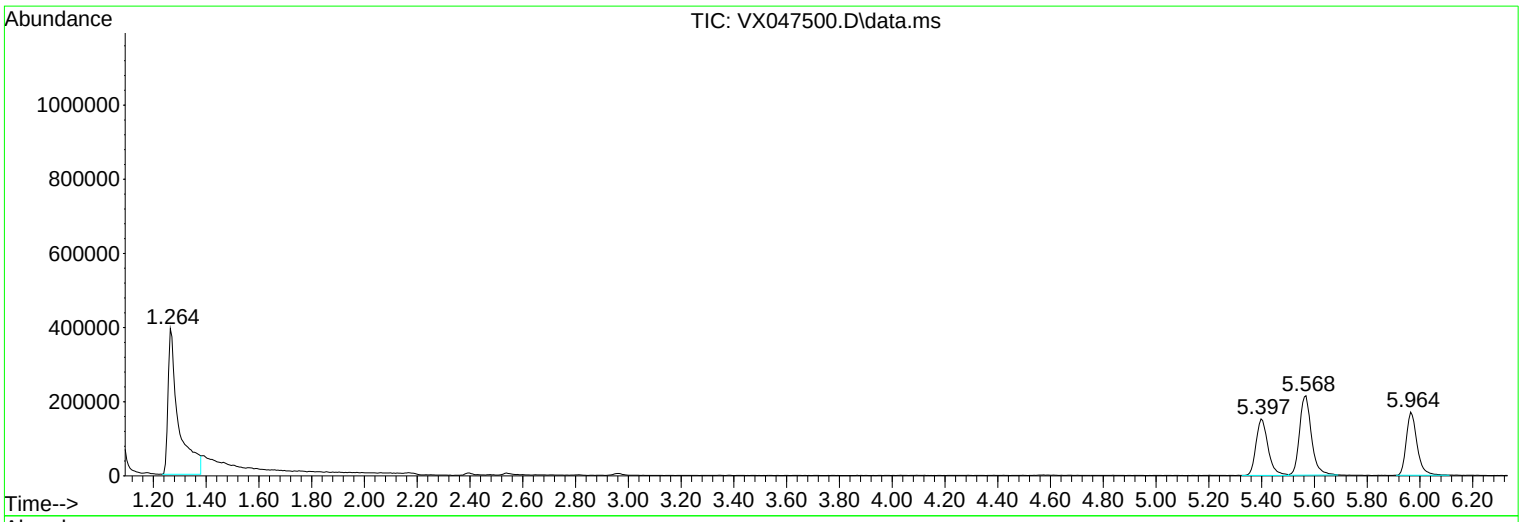
Sum of corrected areas: 9034522

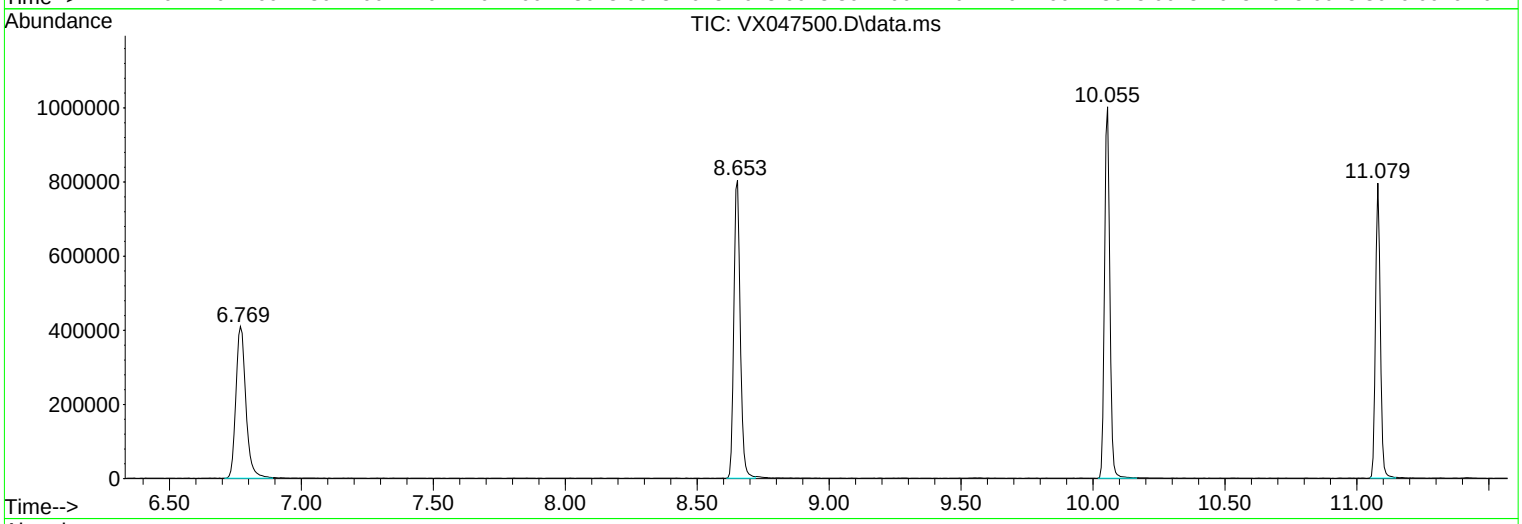
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047500.D
Acq On : 22 Aug 2025 16:04
Operator : JC/MD
Sample : Q2934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

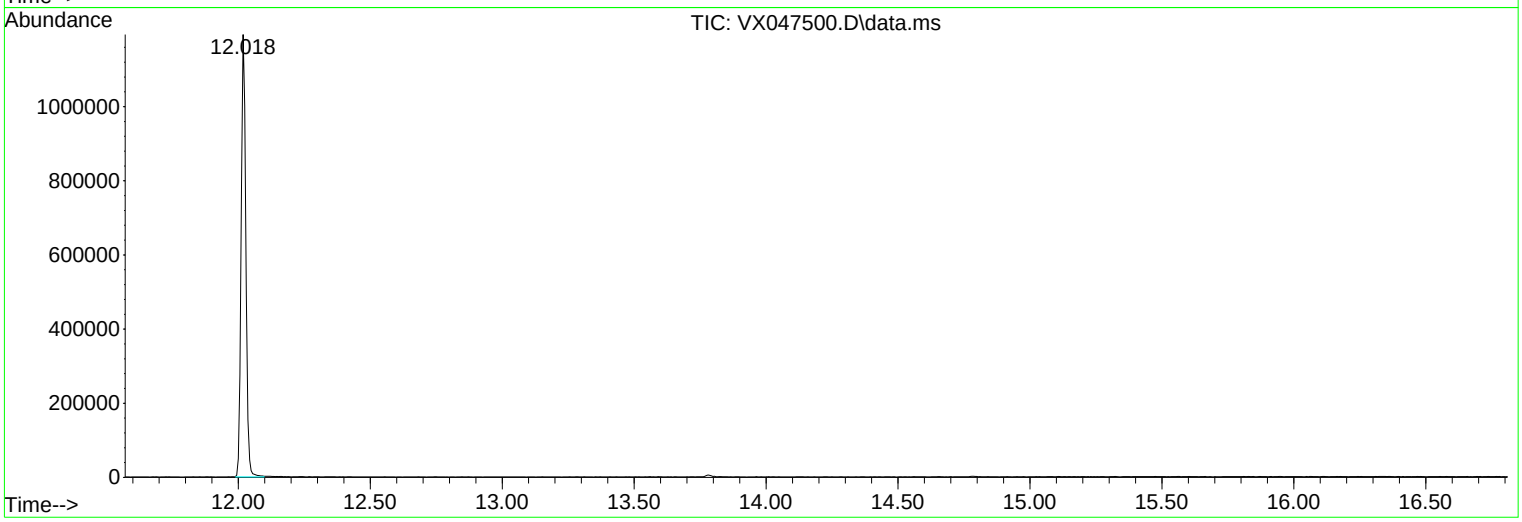
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047500.D
Acq On : 22 Aug 2025 16:04
Operator : JC/MD
Sample : Q2934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

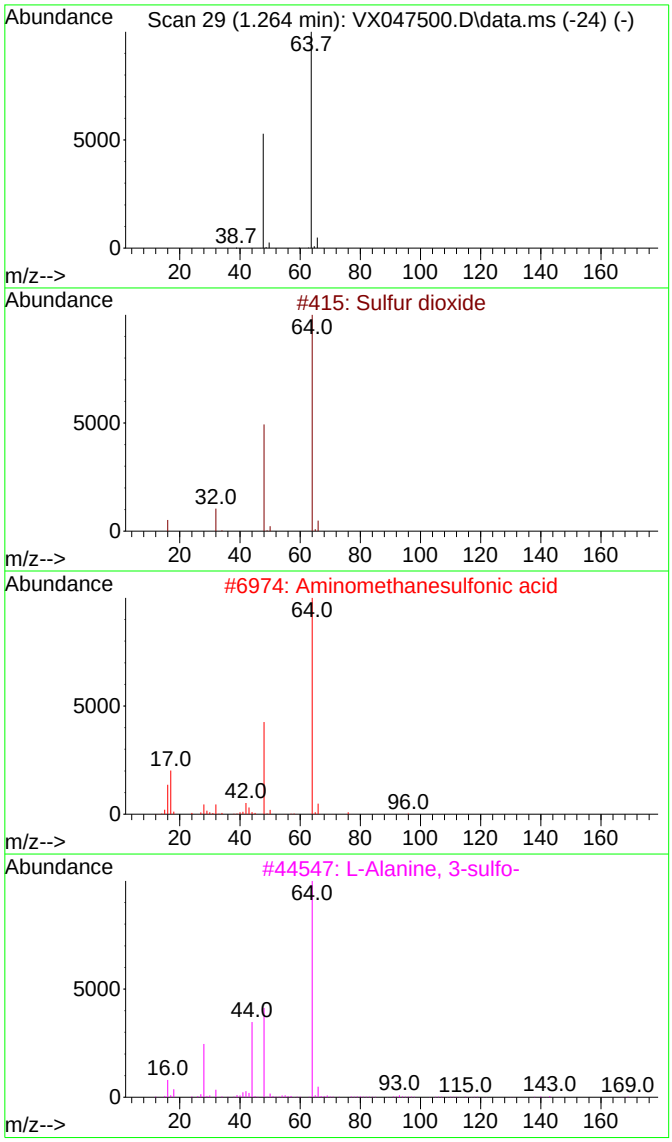
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

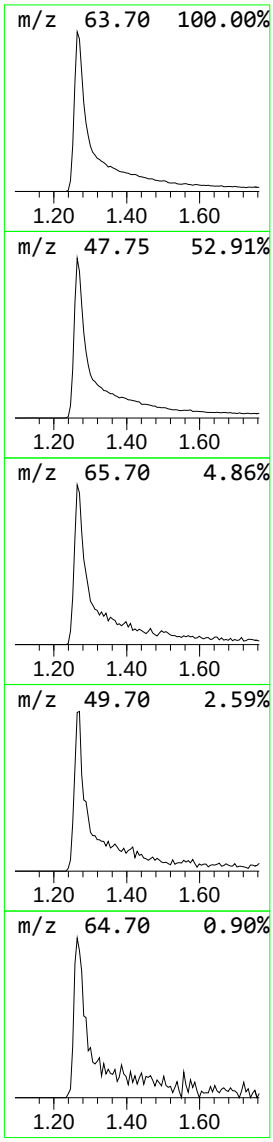
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	81.24 ug/l	1090290	Pentafluorobenzene	5.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047500.D
Acq On : 22 Aug 2025 16:04
Operator : JC/MD
Sample : Q2934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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
Sulfur dioxide	1.264	81.2	ug/l	1090290	1	5.568	671036	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047501.D
Acq On : 22 Aug 2025 16:25
Operator : JC/MD
Sample : Q2934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Quant Time: Aug 25 01:30:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

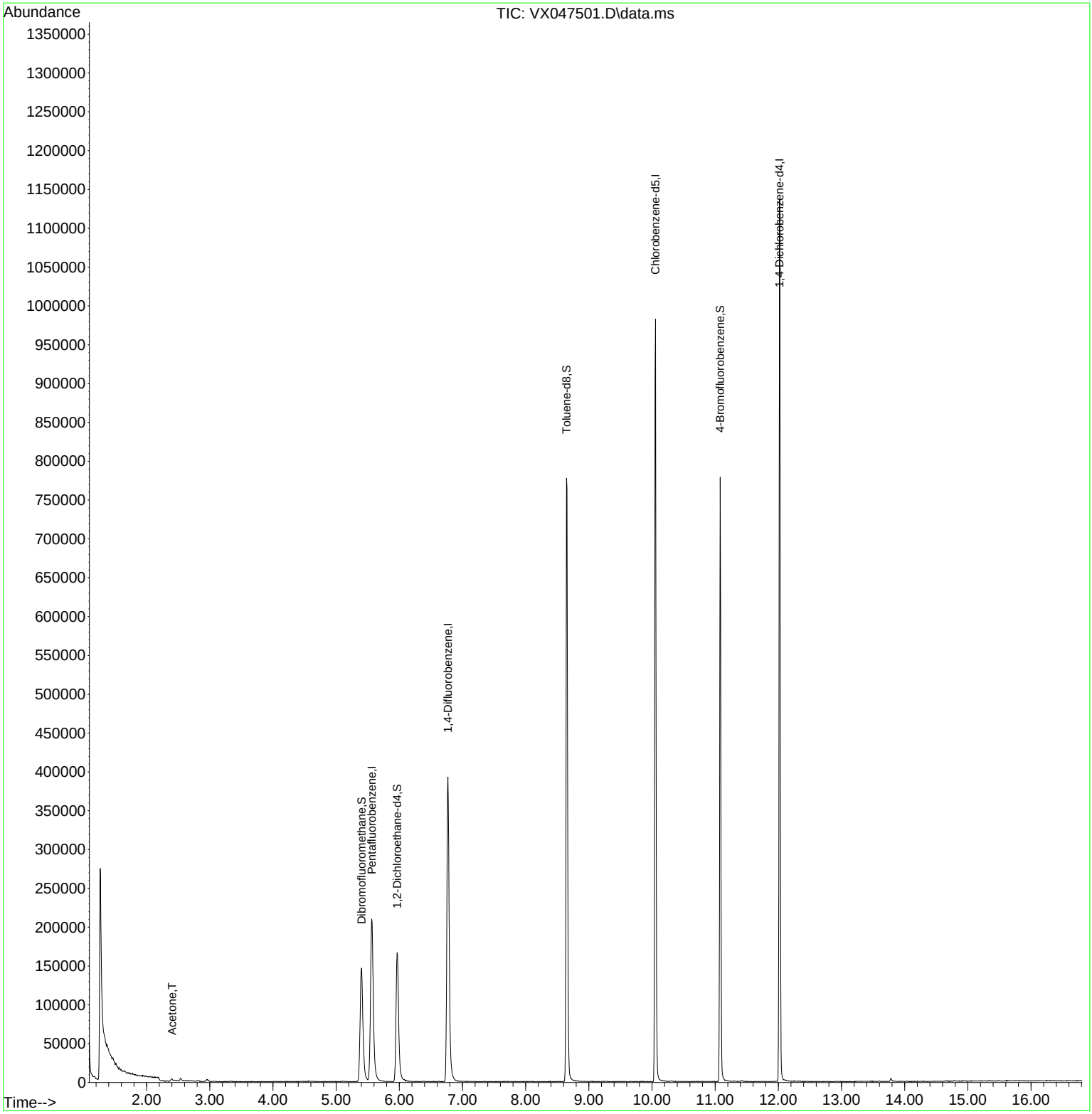
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	210244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	427078	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	435148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	223730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176033	59.826	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.660%#			
35) Dibromofluoromethane	5.404	113	140331	50.629	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.260%			
50) Toluene-d8	8.647	98	479623	48.412	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.820%			
62) 4-Bromofluorobenzene	11.079	95	206045	56.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.720%			
Target Compounds						Qvalue
16) Acetone	2.404	43	4467	4.039	ug/l	89

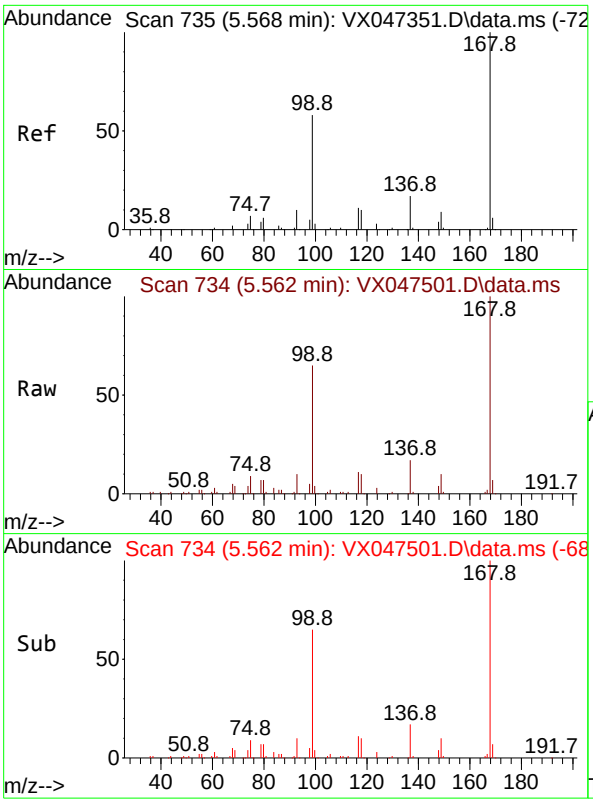
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047501.D
Acq On : 22 Aug 2025 16:25
Operator : JC/MD
Sample : Q2934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Quant Time: Aug 25 01:30:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



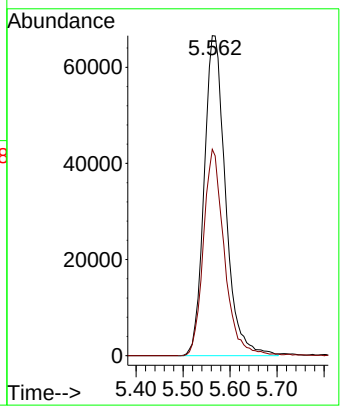


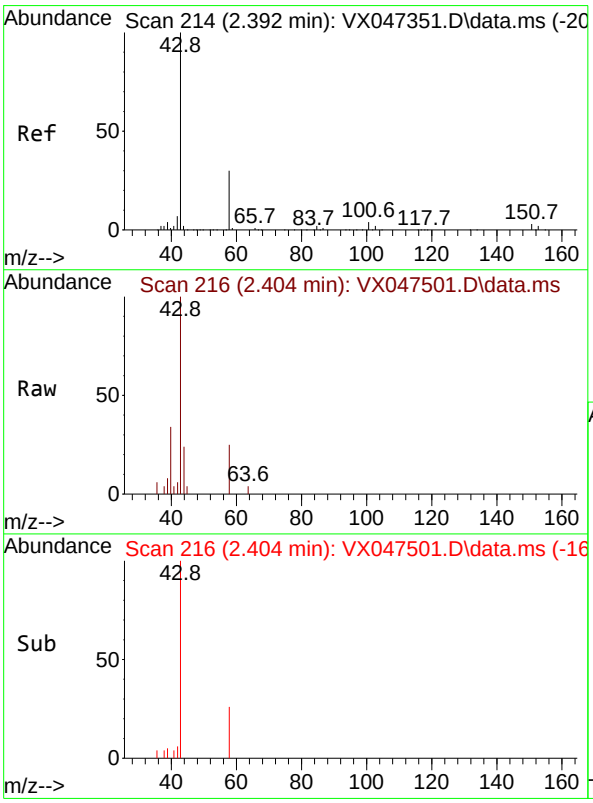
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Tgt Ion:168 Resp: 210244

Ion	Ratio	Lower	Upper
168	100		
99	64.5	47.9	71.9

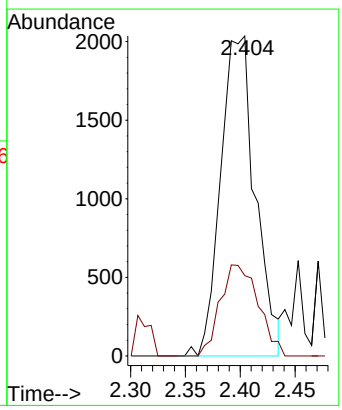


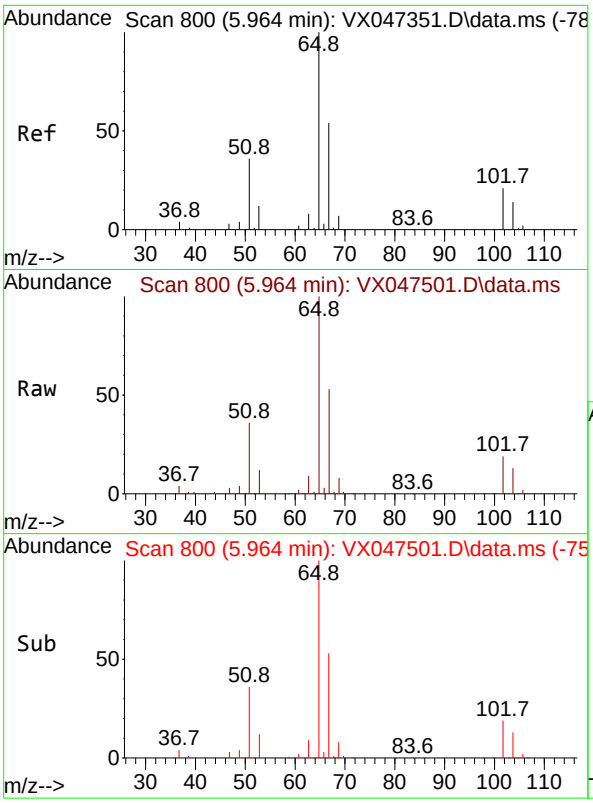


#16
Acetone
Concen: 4.039 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.012 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion: 43 Resp: 4467

Ion	Ratio	Lower	Upper
43	100		
58	25.1	24.8	37.2



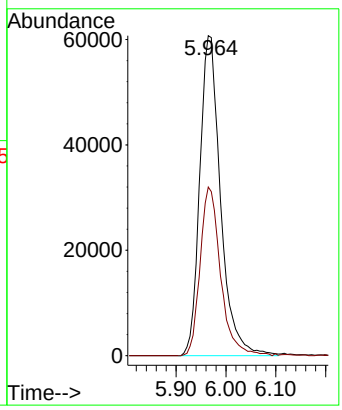


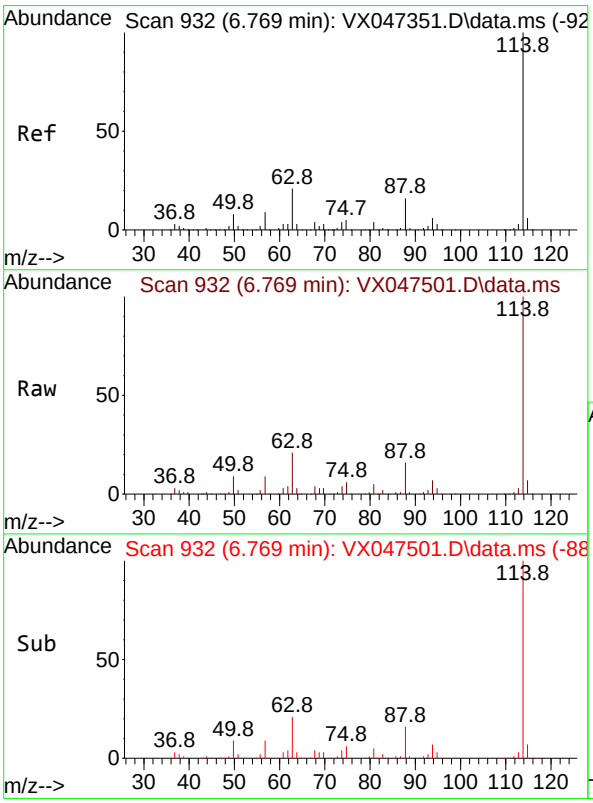
#33
1,2-Dichloroethane-d4
Concen: 59.826 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Tgt Ion: 65 Resp: 176033

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.0

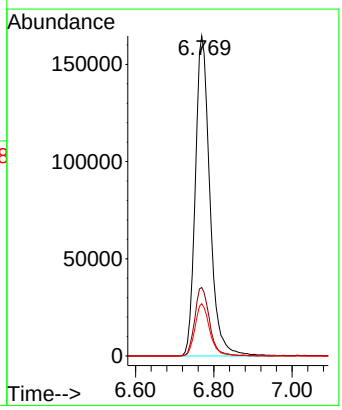


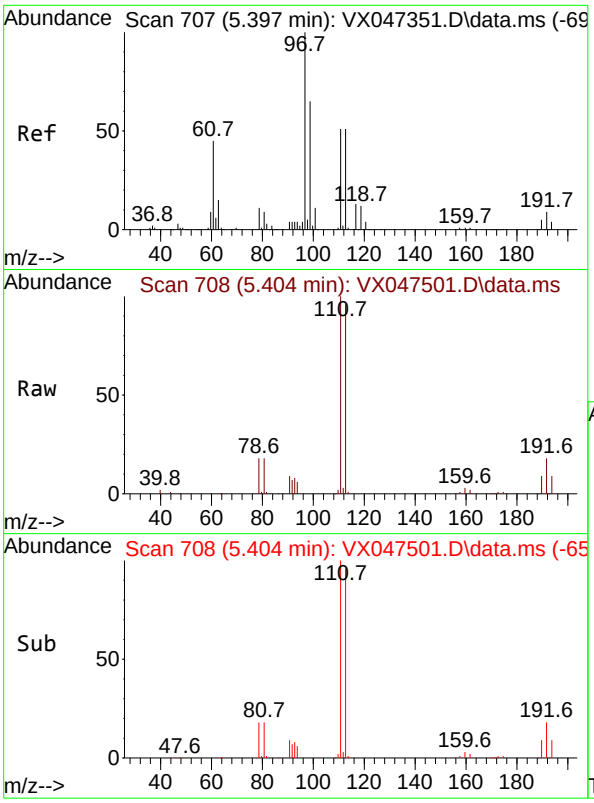


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion:114 Resp: 427078

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	42.4
88	16.3	0.0	33.0



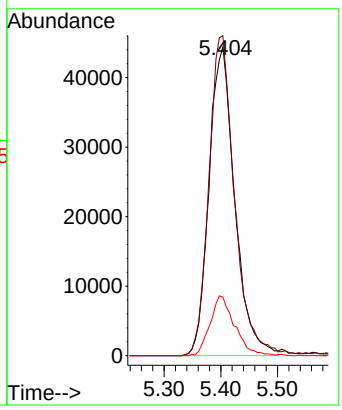


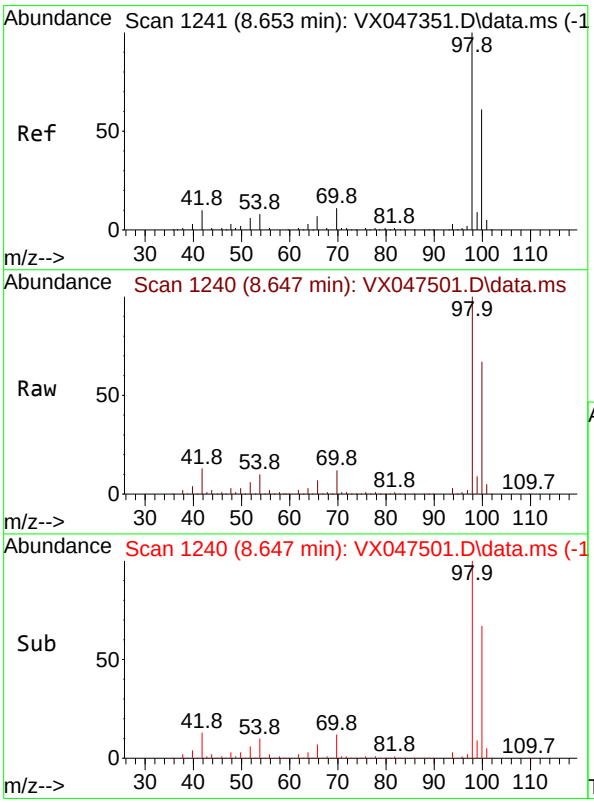
#35
Dibromofluoromethane
Concen: 50.629 ug/l
RT: 5.404 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Tgt Ion:113 Resp: 140331

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.2
192	18.4	14.1	21.1

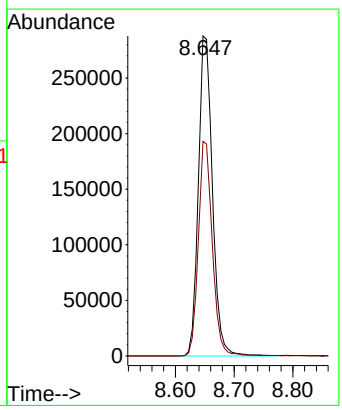


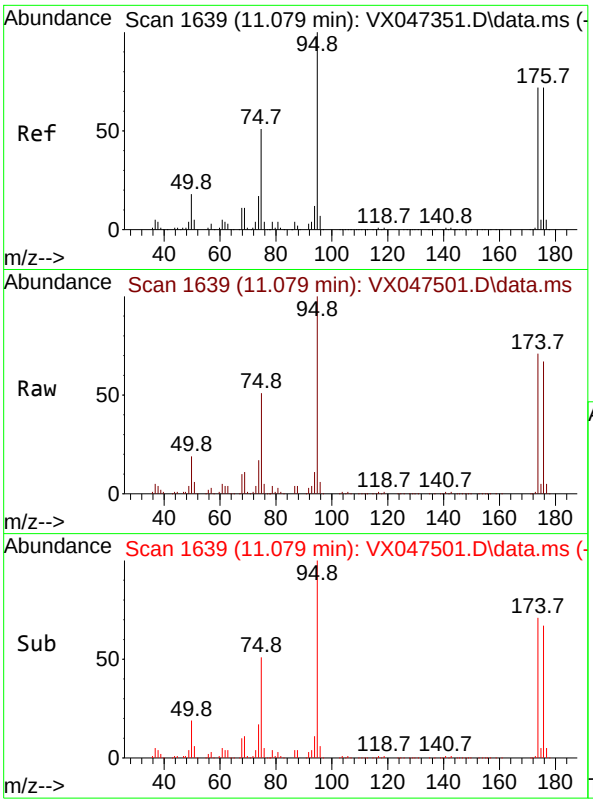


#50
Toluene-d8
Concen: 48.412 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion: 98 Resp: 479623

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.9	80.9



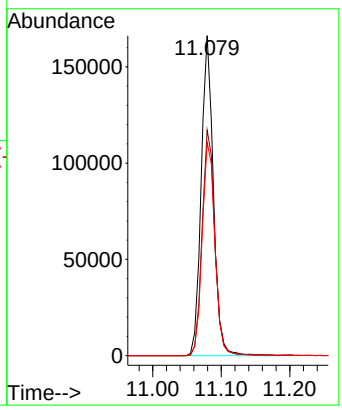


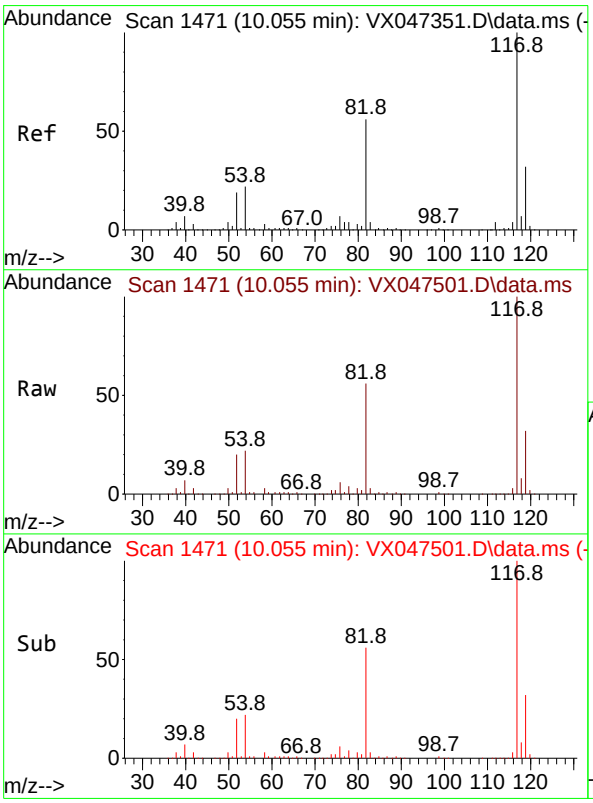
#62
4-Bromofluorobenzene
Concen: 56.360 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Tgt Ion: 95 Resp: 206045

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	148.0
176	69.8	0.0	145.4

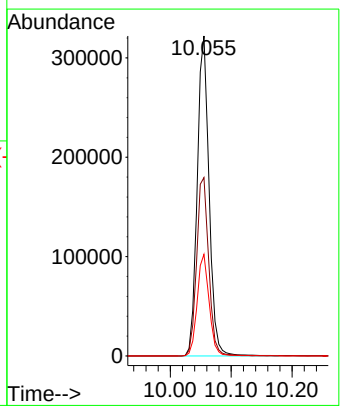


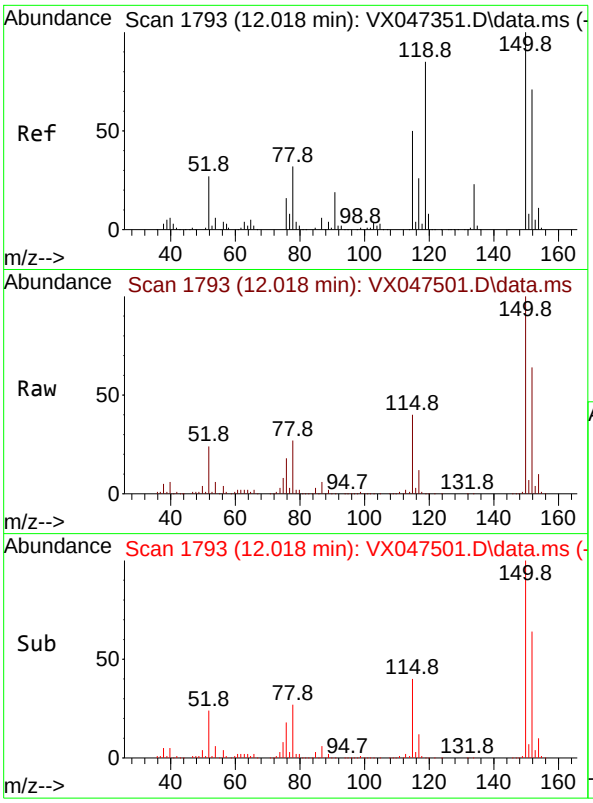


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion:117 Resp: 435148

Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.0	67.4
119	31.7	25.8	38.8



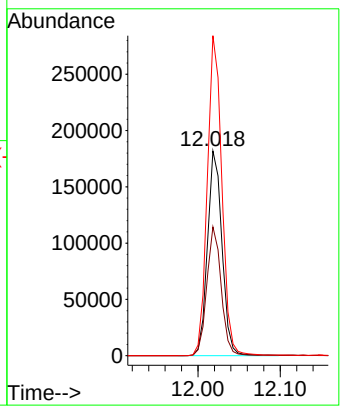


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Tgt Ion:152 Resp: 223730

Ion	Ratio	Lower	Upper
152	100		
115	62.0	44.6	133.8
150	156.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047501.D
Acq On : 22 Aug 2025 16:25
Operator : JC/MD
Sample : Q2934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

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_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047501.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	45	rBV	271784	741404	53.40%	8.855%
2	5.404	696	708	724	rBV3	145905	464695	33.47%	5.550%
3	5.562	724	734	758	rVB	208946	652395	46.99%	7.792%
4	5.964	788	800	818	rBV	166084	482503	34.75%	5.763%
5	6.769	922	932	953	rBV	392568	1016262	73.20%	12.138%
6	8.647	1234	1240	1257	rBV	776459	1297962	93.49%	15.502%
7	10.055	1465	1471	1484	rBV	981961	1351256	97.33%	16.139%
8	11.079	1634	1639	1651	rBV	778040	977769	70.43%	11.678%
9	12.018	1788	1793	1803	rBV	1136271	1388379	100.00%	16.582%

Sum of corrected areas: 8372625

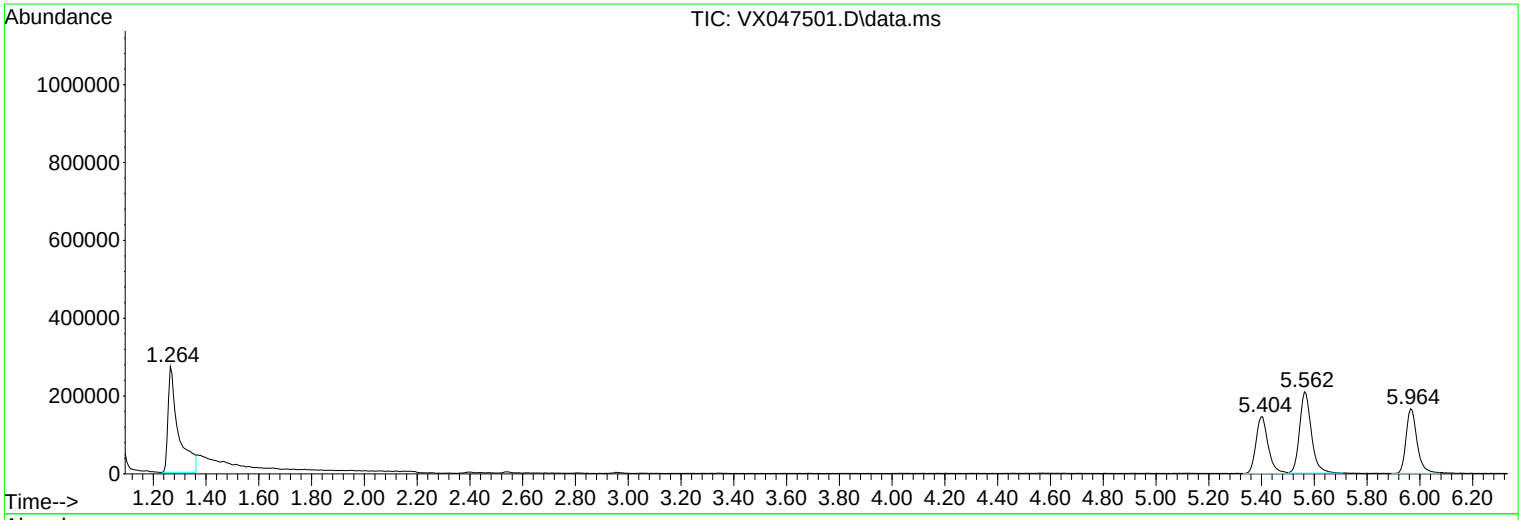
Sample Results: **VX047501.D**

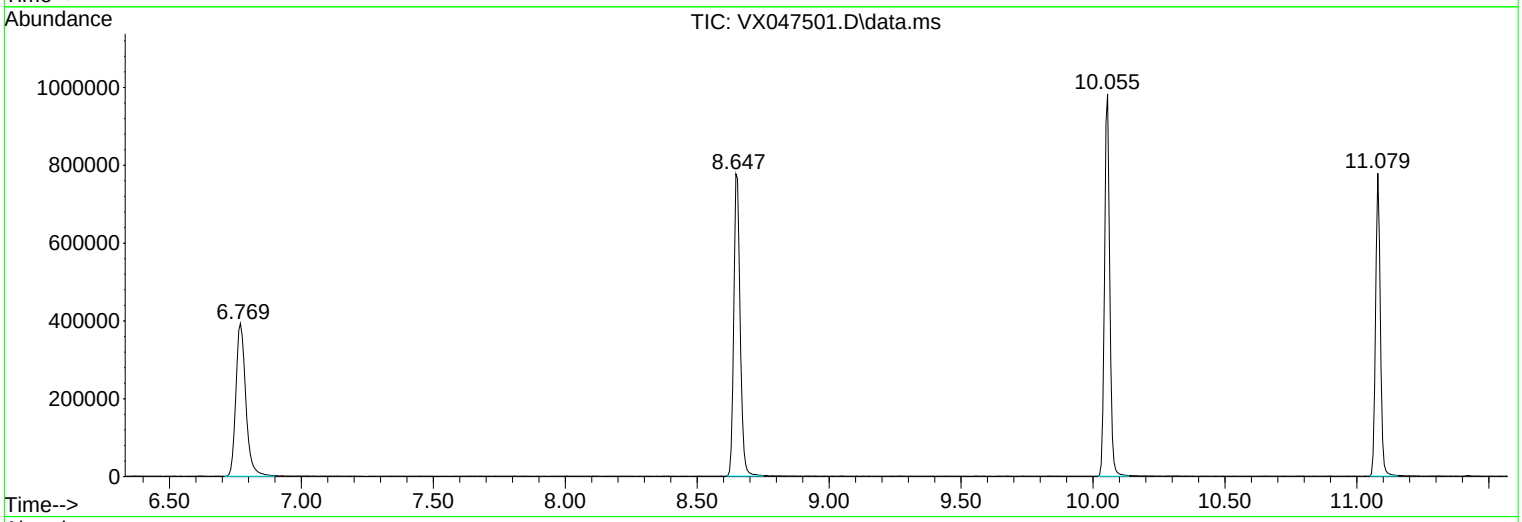
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047501.D
Acq On : 22 Aug 2025 16:25
Operator : JC/MD
Sample : Q2934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

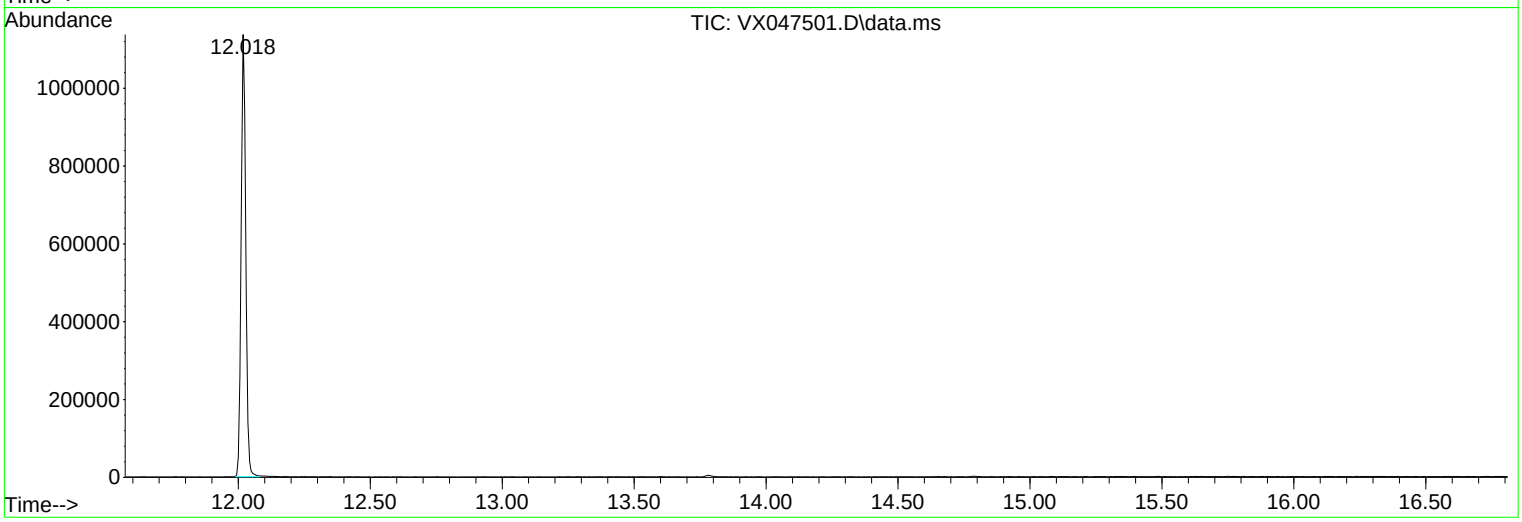
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047501.D
Acq On : 22 Aug 2025 16:25
Operator : JC/MD
Sample : Q2934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

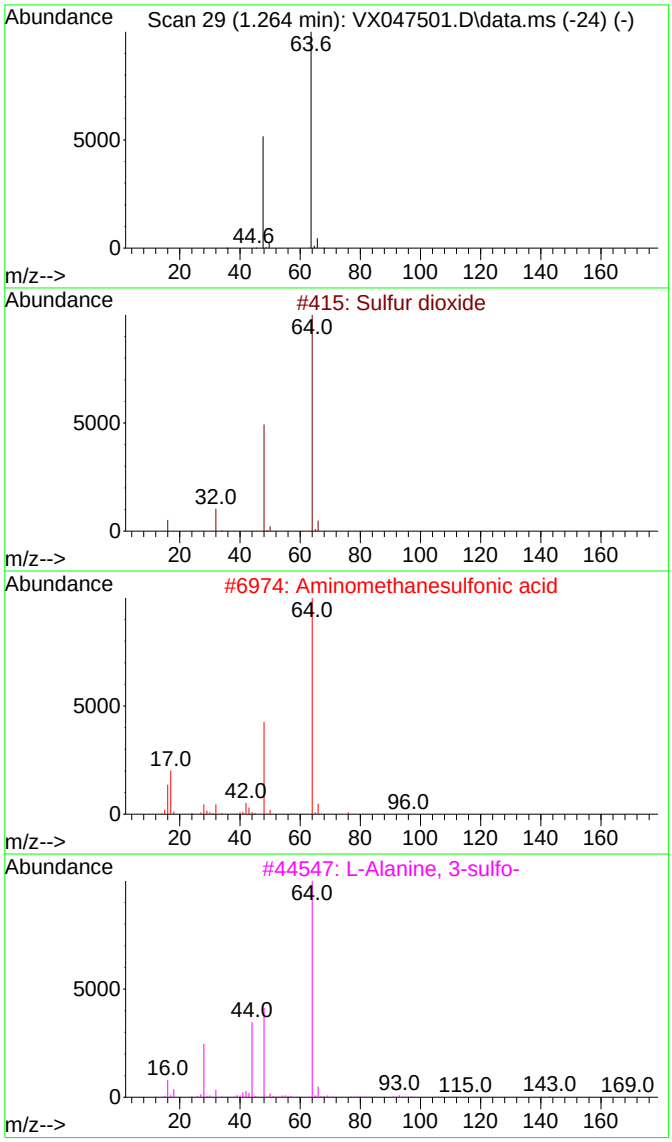
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

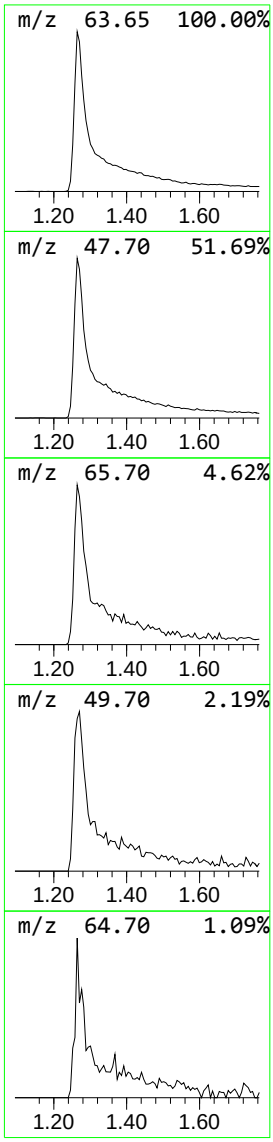
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	56.82 ug/l	741404	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethyl Chloride	64	C2H5Cl	000075-00-3	3
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047501.D
Acq On : 22 Aug 2025 16:25
Operator : JC/MD
Sample : Q2934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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
Sulfur dioxide	1.264	56.8	ug/l	741404	1	5.562	652395	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Time: Aug 25 01:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

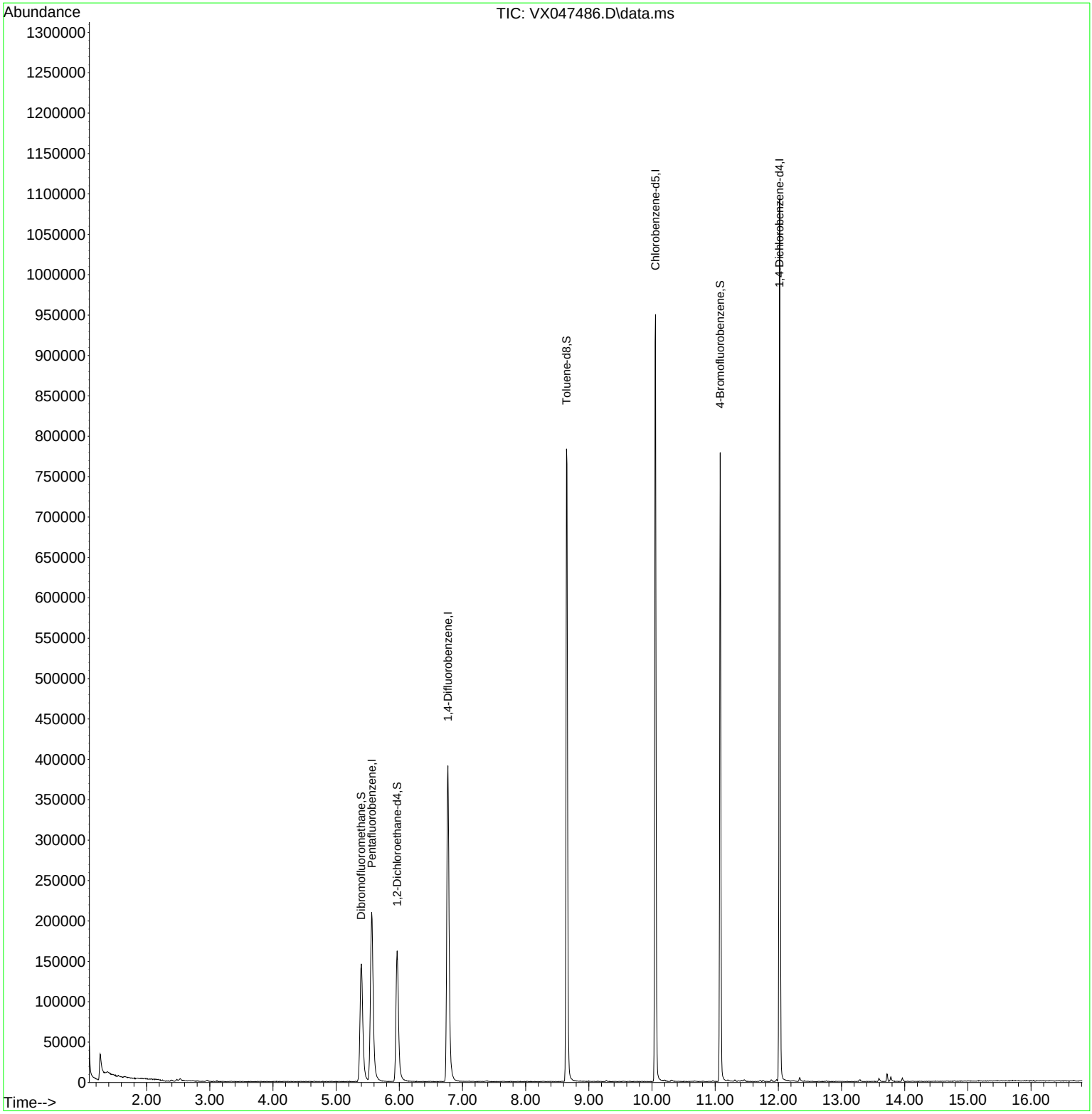
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	210866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	425323	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	433100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	221983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	170925	57.918	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.840%			
35) Dibromofluoromethane	5.397	113	139968	50.706	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.420%			
50) Toluene-d8	8.647	98	486341	49.293	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.580%			
62) 4-Bromofluorobenzene	11.079	95	205709	56.500	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.000%			
Target Compounds						Qvalue

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

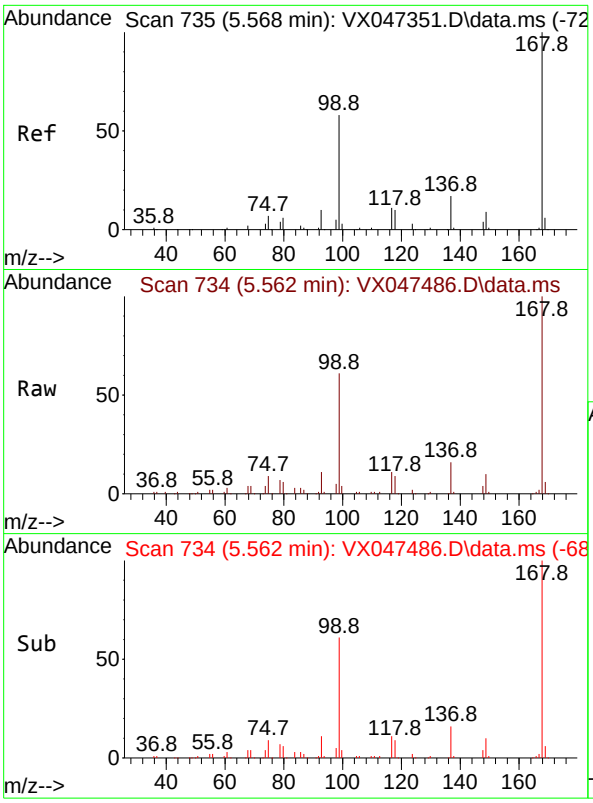
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Time: Aug 25 01:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



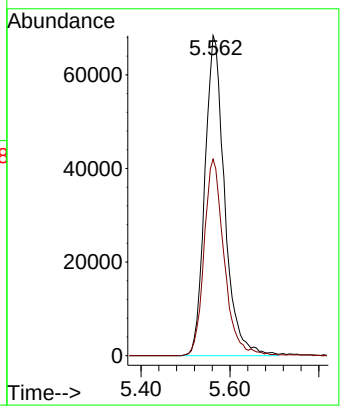
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

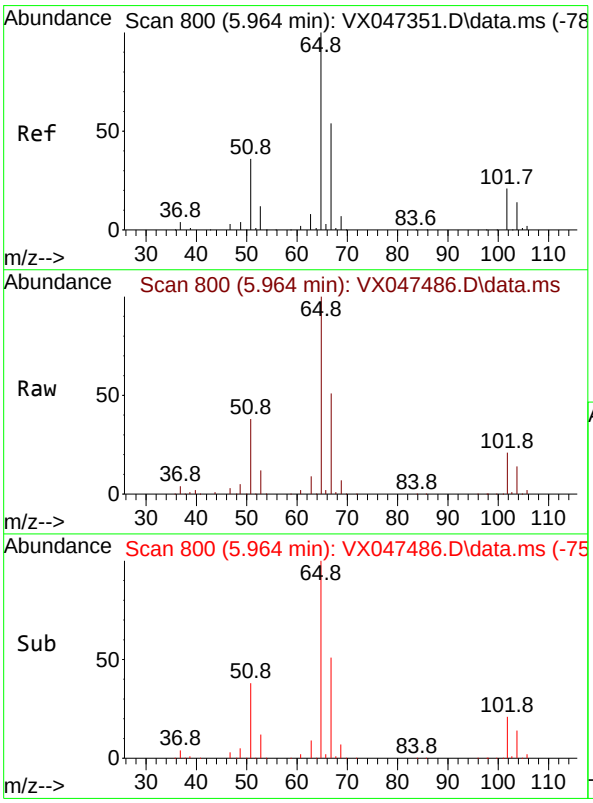


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion:168 Resp: 210866

Ion	Ratio	Lower	Upper
168	100		
99	61.4	47.9	71.9

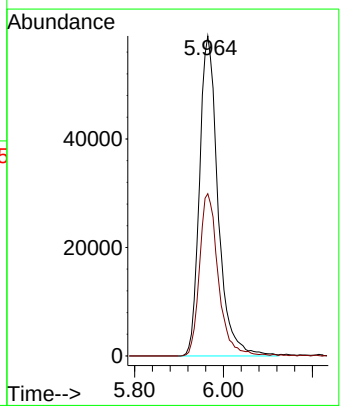


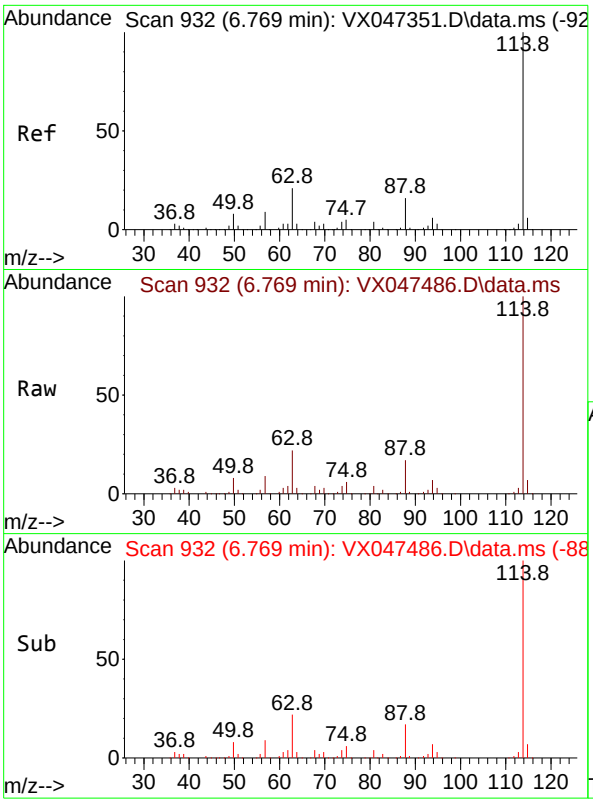


#33
1,2-Dichloroethane-d4
Concen: 57.918 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 65 Resp: 170925

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.0



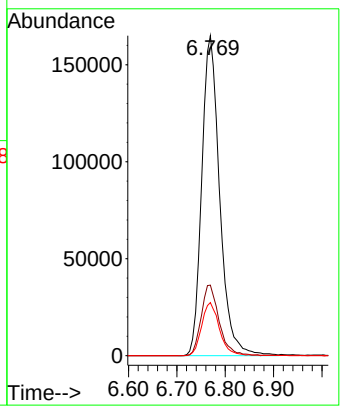


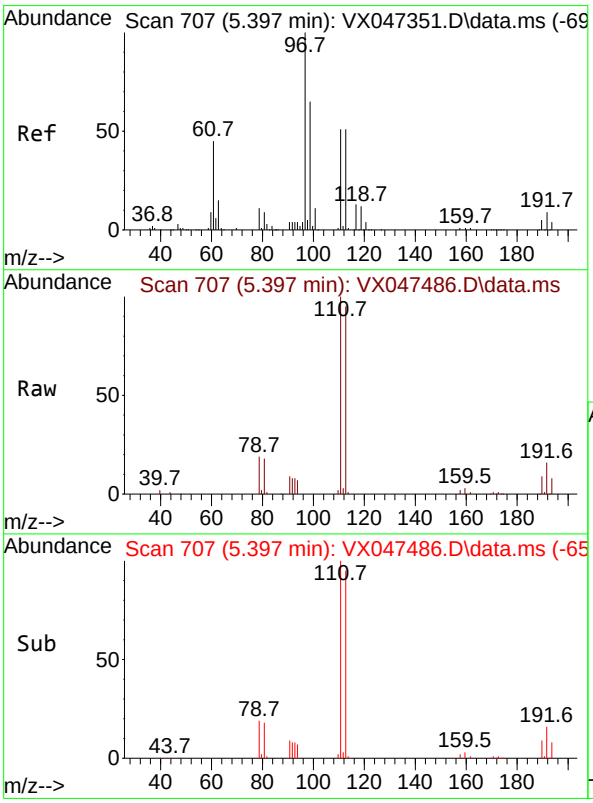
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Tgt Ion:114 Resp: 425323

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.4
88	16.6	0.0	33.0

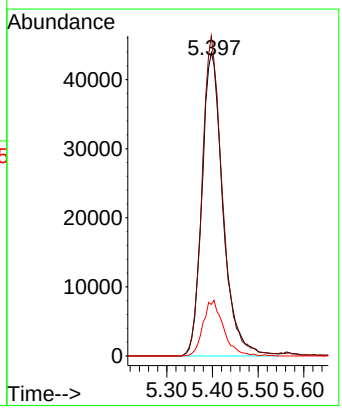


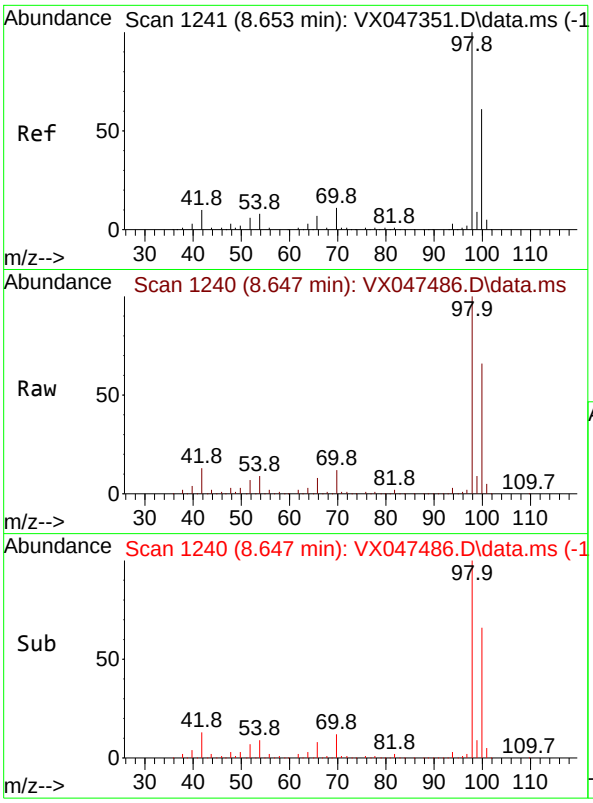


#35
Dibromofluoromethane
Concen: 50.706 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion:113 Resp: 139968

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	17.9	14.1	21.1



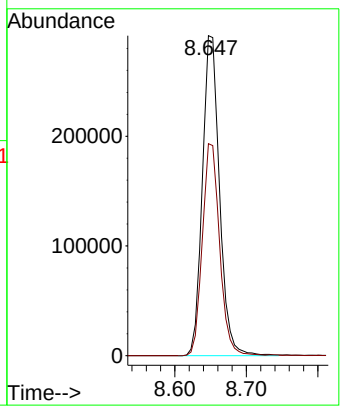


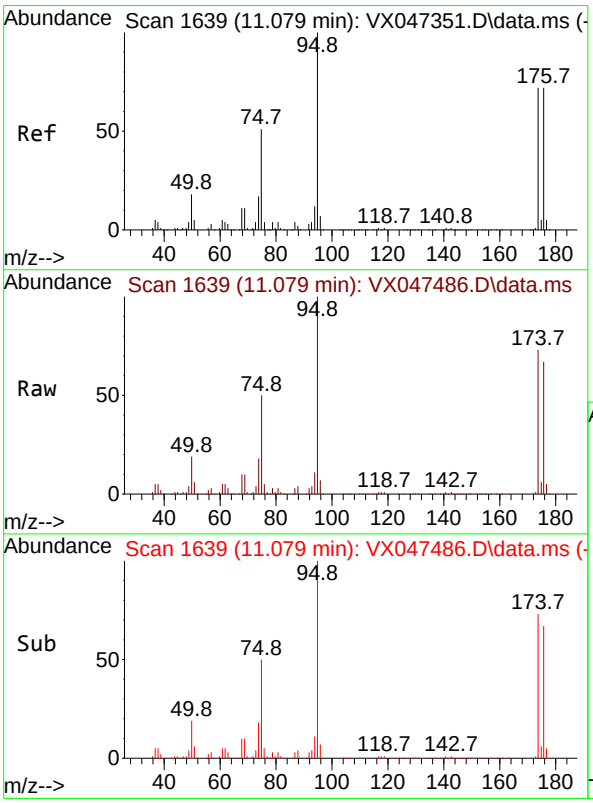
#50
Toluene-d8
Concen: 49.293 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Tgt Ion: 98 Resp: 486341

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.9	80.9

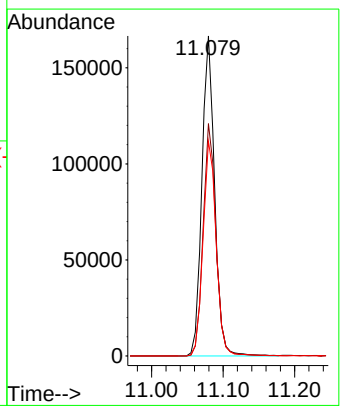


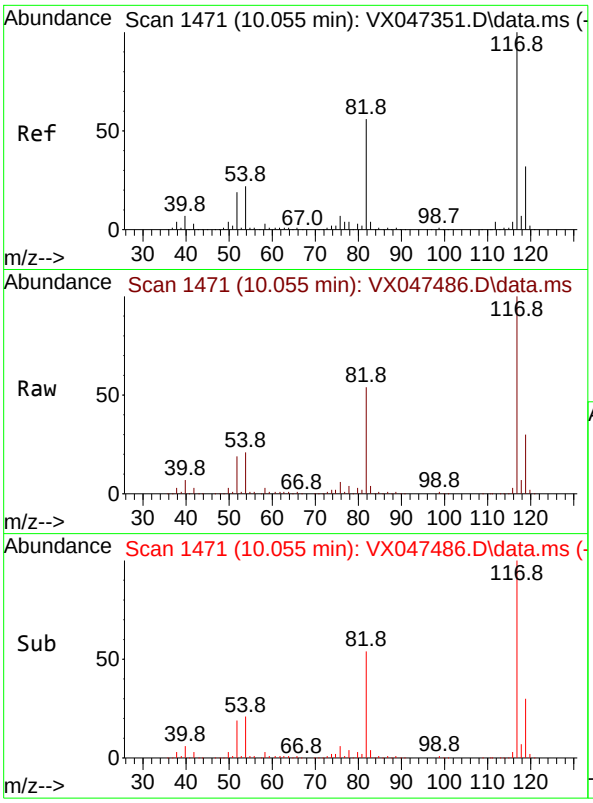


#62
4-Bromofluorobenzene
Concen: 56.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 95 Resp: 205709

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	148.0
176	69.6	0.0	145.4



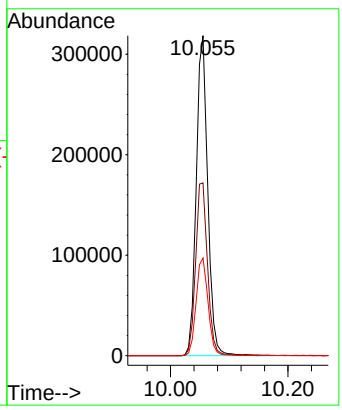


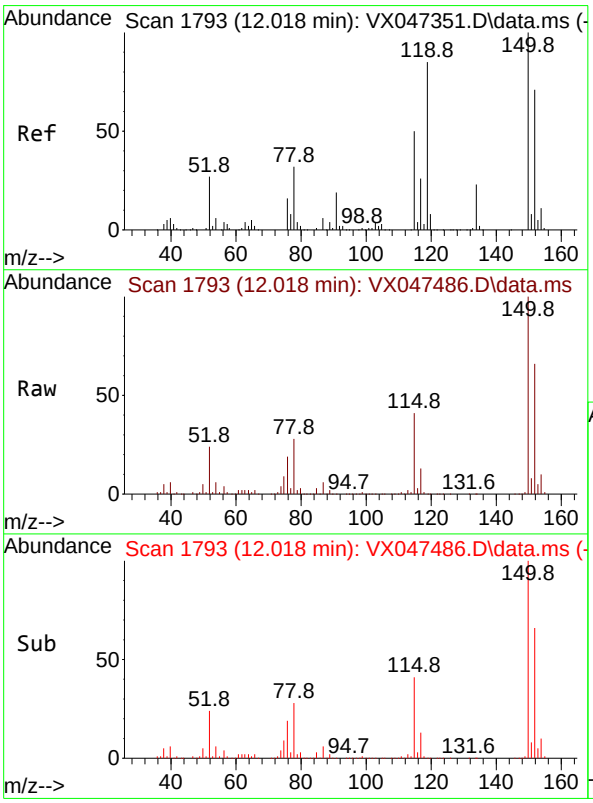
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Tgt Ion:117 Resp: 433100

Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.0	67.4
119	30.5	25.8	38.8

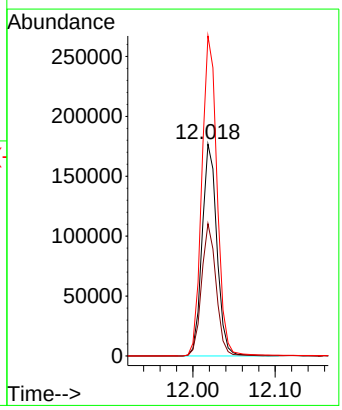




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion:152 Resp: 221983

Ion	Ratio	Lower	Upper
152	100		
115	61.4	44.6	133.8
150	155.9	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

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_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047486.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	39	rBV	31999	85195	6.19%	1.109%
2	5.397	696	707	724	rBV2	145854	459687	33.40%	5.985%
3	5.562	724	734	758	rVB	208927	647937	47.08%	8.436%
4	5.964	790	800	823	rBV	161840	465070	33.79%	6.055%
5	6.769	922	932	956	rBV	390962	1013485	73.64%	13.195%
6	8.647	1234	1240	1262	rBV	783078	1313615	95.45%	17.103%
7	10.055	1465	1471	1487	rBV	949381	1339972	97.36%	17.446%
8	11.079	1633	1639	1654	rBV	778634	979394	71.16%	12.752%
9	12.018	1788	1793	1806	rBV	1091990	1376242	100.00%	17.918%

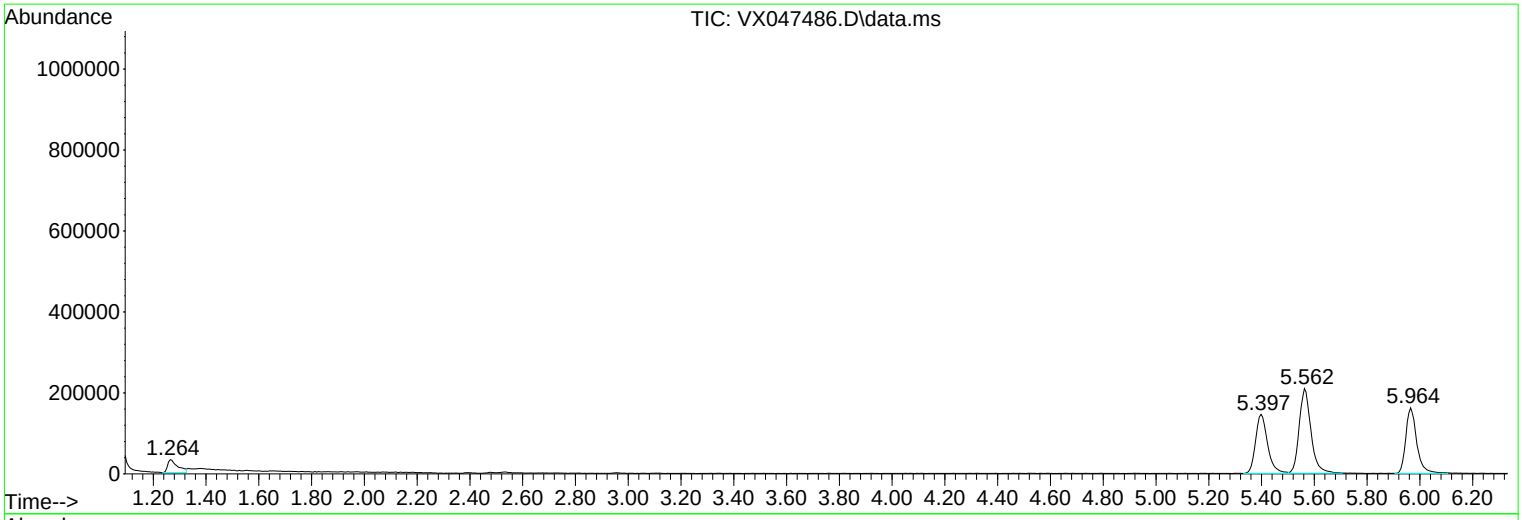
Sum of corrected areas: 7680597

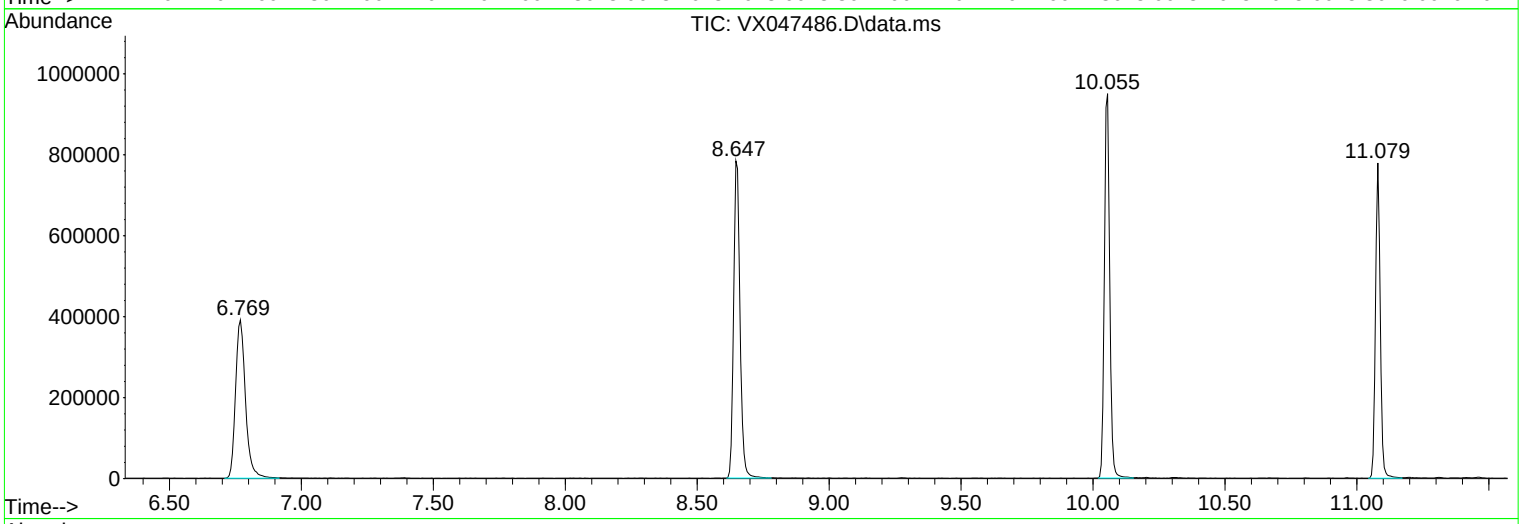
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

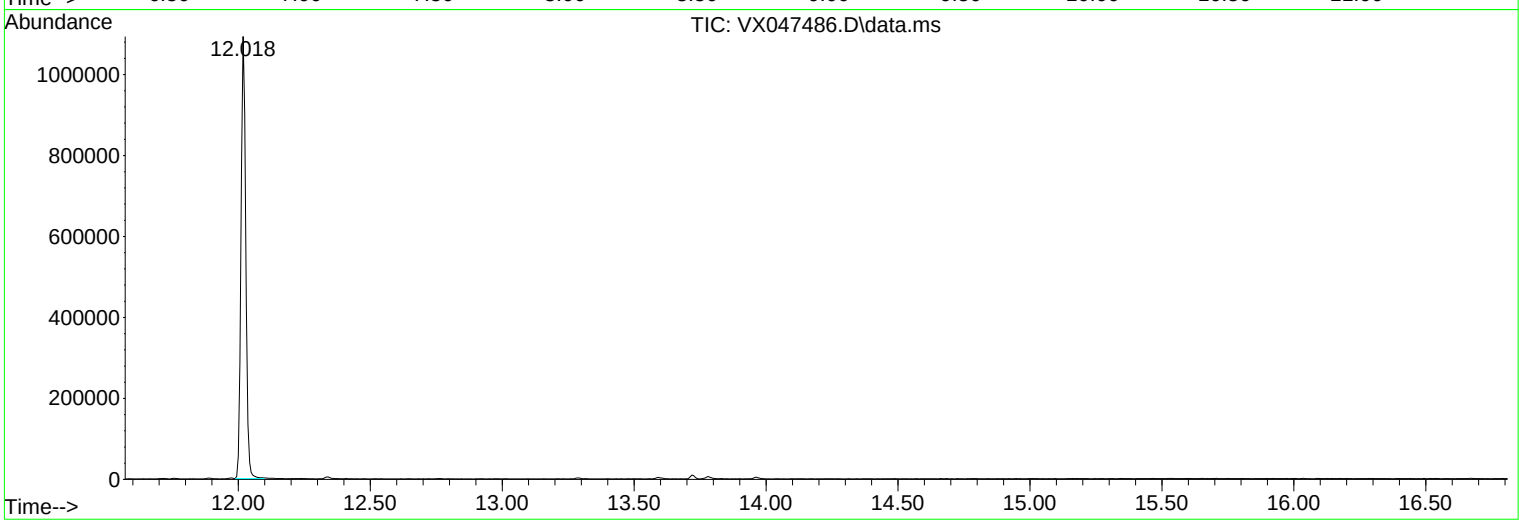
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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_X\Data\VX082225\
Data File : VX047487.D
Acq On : 22 Aug 2025 11:22
Operator : JC/MD
Sample : VX0822WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 25 01:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	232449	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	415073	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	390461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	202080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	171028	52.572	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.140%			
35) Dibromofluoromethane	5.391	113	130007	48.260	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.520%			
50) Toluene-d8	8.647	98	449419	46.675	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.360%			
62) 4-Bromofluorobenzene	11.079	95	176754	49.746	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	51174	17.270	ug/l	99
3) Chloromethane	1.313	50	44538	16.708	ug/l	98
4) Vinyl Chloride	1.392	62	58849	17.589	ug/l	93
5) Bromomethane	1.630	94	23511	17.397	ug/l	94
6) Chloroethane	1.703	64	38529	18.821	ug/l	99
7) Trichlorofluoromethane	1.904	101	91060	18.400	ug/l	97
8) Diethyl Ether	2.148	74	36013	20.666	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	53596	18.669	ug/l	99
10) Methyl Iodide	2.471	142	66149	13.446	ug/l	97
11) Tert butyl alcohol	2.953	59	32571	115.088	ug/l	99
12) 1,1-Dichloroethene	2.337	96	54939	18.772	ug/l	96
13) Acrolein	2.246	56	69385	116.141	ug/l	100
14) Allyl chloride	2.678	41	99953	19.663	ug/l	98
15) Acrylonitrile	3.081	53	144182	105.431	ug/l	99
16) Acetone	2.392	43	128916	105.426	ug/l	98
17) Carbon Disulfide	2.526	76	155587	17.617	ug/l	99
18) Methyl Acetate	2.709	43	70950	22.390	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	186480	20.944	ug/l	97
20) Methylene Chloride	2.800	84	66440	20.519	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	58539	18.845	ug/l	97
22) Diisopropyl ether	3.770	45	215371	21.434	ug/l	99
23) Vinyl Acetate	3.733	43	859031	104.303	ug/l	100
24) 1,1-Dichloroethane	3.623	63	113640	20.009	ug/l	97
25) 2-Butanone	4.562	43	176691	110.329	ug/l	99
26) 2,2-Dichloropropane	4.483	77	85341	19.909	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	72888	20.146	ug/l	98
28) Bromochloromethane	4.904	49	52453	22.194	ug/l	98
29) Tetrahydrofuran	5.026	42	104993	101.432	ug/l	98
30) Chloroform	5.099	83	121232	20.915	ug/l	98
31) Cyclohexane	5.483	56	94533	18.056	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	96493	19.341	ug/l	98
36) 1,1-Dichloropropene	5.696	75	76562	18.004	ug/l	99
37) Ethyl Acetate	4.721	43	72556	16.435	ug/l	97
38) Carbon Tetrachloride	5.684	117	83963	18.068	ug/l	98
39) Methylcyclohexane	7.385	83	87969	16.584	ug/l	99
40) Benzene	6.044	78	244459	19.206	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047487.D
Acq On : 22 Aug 2025 11:22
Operator : JC/MD
Sample : VX0822WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 25 01:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	36243	19.468	ug/l		97
42) 1,2-Dichloroethane	6.086	62	89482	19.847	ug/l		99
43) Isopropyl Acetate	6.348	43	126571	19.957	ug/l		99
44) Trichloroethene	7.129	130	60557	18.581	ug/l		100
45) 1,2-Dichloropropane	7.434	63	64005	20.072	ug/l		95
46) Dibromomethane	7.580	93	45646	19.717	ug/l		97
47) Bromodichloromethane	7.824	83	96072	20.018	ug/l		98
48) Methyl methacrylate	7.696	41	64383	19.558	ug/l		99
49) 1,4-Dioxane	7.690	88	12964	405.097	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	366900	100.531	ug/l		97
52) Toluene	8.720	92	151845	19.306	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	85073	20.311	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	96096	20.269	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	61171	20.484	ug/l		98
56) Ethyl methacrylate	9.116	69	88107	20.012	ug/l		99
57) 1,3-Dichloropropane	9.305	76	104397	20.516	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	176711	89.599	ug/l		98
59) 2-Hexanone	9.433	43	248238	98.330	ug/l		99
60) Dibromochloromethane	9.519	129	72418	20.406	ug/l		98
61) 1,2-Dibromoethane	9.610	107	60377	19.607	ug/l		99
64) Tetrachloroethene	9.275	164	50131	17.750	ug/l		98
65) Chlorobenzene	10.079	112	174653	18.823	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	59666	19.022	ug/l		98
67) Ethyl Benzene	10.189	91	289354	18.118	ug/l		100
68) m/p-Xylenes	10.299	106	221576	37.209	ug/l		100
69) o-Xylene	10.640	106	106294	18.548	ug/l		100
70) Styrene	10.653	104	186142	19.224	ug/l		99
71) Bromoform	10.799	173	44798	19.011	ug/l	#	99
73) Isopropylbenzene	10.957	105	273545	17.298	ug/l		99
74) N-amyl acetate	10.842	43	104769	17.447	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87283	18.799	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	67433m	18.194	ug/l		
77) Bromobenzene	11.195	156	70615	18.287	ug/l		99
78) n-propylbenzene	11.299	91	330035	17.475	ug/l		100
79) 2-Chlorotoluene	11.360	91	202982	17.779	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	231822	17.817	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.012	75	11110	18.845	ug/l		97
82) 4-Chlorotoluene	11.451	91	240627	17.879	ug/l		100
83) tert-Butylbenzene	11.713	119	229135	17.652	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	237410	18.246	ug/l		99
85) sec-Butylbenzene	11.890	105	283969	17.649	ug/l		99
86) p-Isopropyltoluene	12.006	119	236780	17.391	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	131601	17.839	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	134836	17.771	ug/l		98
89) n-Butylbenzene	12.329	91	219671	17.347	ug/l		100
90) Hexachloroethane	12.536	117	38492	16.115	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	127172	18.162	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16058	17.884	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	81591	17.381	ug/l		98
94) Hexachlorobutadiene	13.719	225	27743	16.604	ug/l		97
95) Naphthalene	13.774	128	240627	17.938	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	77660	17.551	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047487.D
Acq On : 22 Aug 2025 11:22
Operator : JC/MD
Sample : VX0822WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 25 01:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

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

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

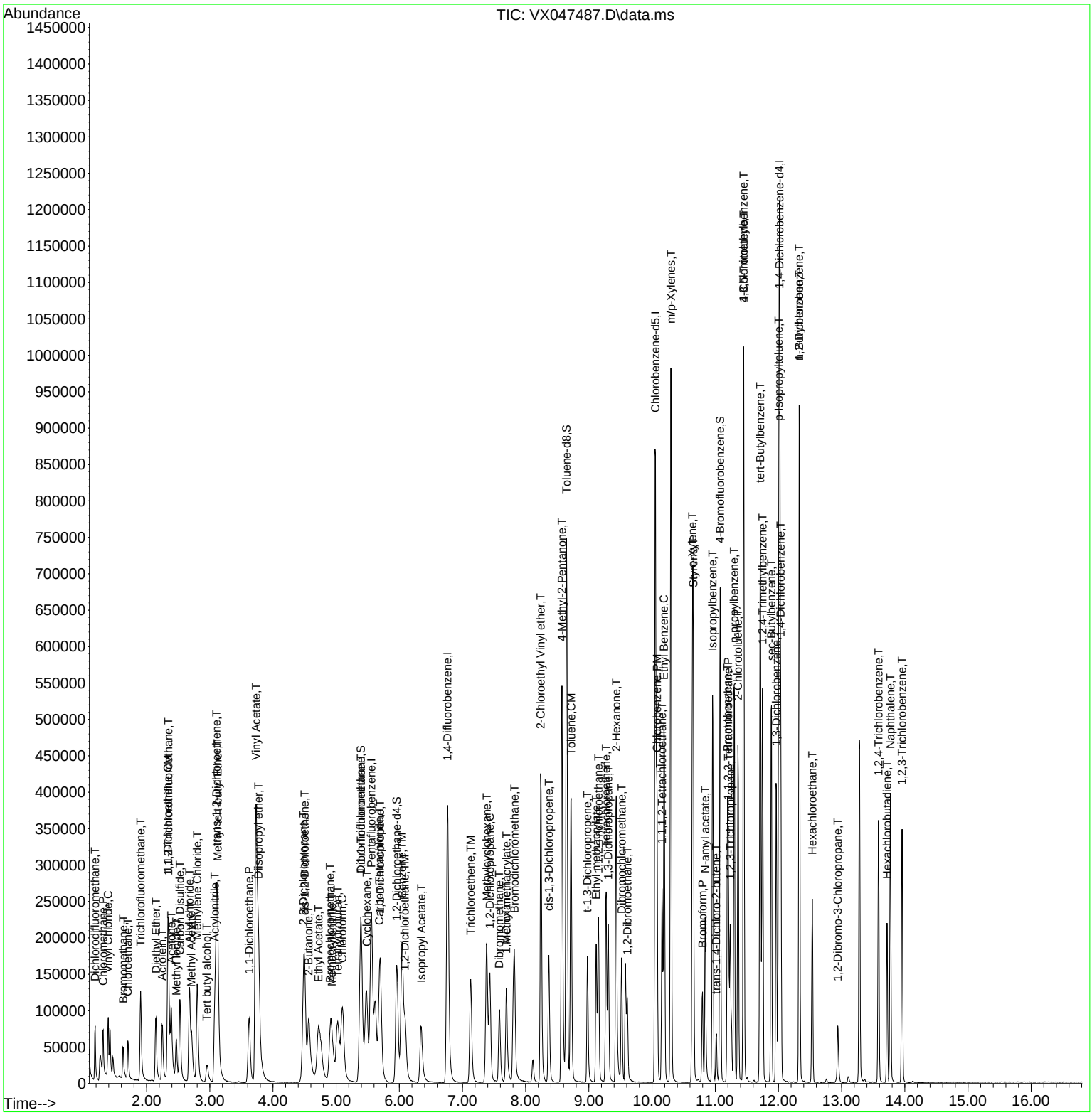
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047487.D
Acq On : 22 Aug 2025 11:22
Operator : JC/MD
Sample : VX0822WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 25 01:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047488.D
Acq On : 22 Aug 2025 11:51
Operator : JC/MD
Sample : VX0822WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 25 01:25:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	237872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	423338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	387914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	191887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165194	49.621	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.240%			
35) Dibromofluoromethane	5.391	113	131523	47.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.740%			
50) Toluene-d8	8.646	98	456106	46.445	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.900%			
62) 4-Bromofluorobenzene	11.079	95	175865	48.529	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	52744	17.394	ug/l	98
3) Chloromethane	1.312	50	47532	17.425	ug/l	96
4) Vinyl Chloride	1.392	62	58135	16.979	ug/l	98
5) Bromomethane	1.629	94	25174	18.203	ug/l	96
6) Chloroethane	1.709	64	38423	18.342	ug/l	96
7) Trichlorofluoromethane	1.904	101	89238	17.621	ug/l	98
8) Diethyl Ether	2.148	74	35832	20.094	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.349	101	54922	18.695	ug/l	100
10) Methyl Iodide	2.471	142	67427	13.393	ug/l	93
11) Tert butyl alcohol	2.952	59	31512	108.808	ug/l	100
12) 1,1-Dichloroethene	2.337	96	52068	17.385	ug/l	97
13) Acrolein	2.251	56	69698	114.005	ug/l	99
14) Allyl chloride	2.678	41	96465	18.544	ug/l	99
15) Acrylonitrile	3.080	53	142611	101.905	ug/l	99
16) Acetone	2.391	43	125500	100.292	ug/l	98
17) Carbon Disulfide	2.526	76	155409	17.196	ug/l	98
18) Methyl Acetate	2.715	43	73431	22.645	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	186618	20.482	ug/l	99
20) Methylene Chloride	2.800	84	65902	19.889	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	58310	18.343	ug/l	96
22) Diisopropyl ether	3.769	45	214462	20.857	ug/l	97
23) Vinyl Acetate	3.733	43	860333	102.080	ug/l	99
24) 1,1-Dichloroethane	3.623	63	114442	19.691	ug/l	98
25) 2-Butanone	4.568	43	178570	108.960	ug/l	97
26) 2,2-Dichloropropane	4.489	77	80841	18.429	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	73256	19.786	ug/l	96
28) Bromochloromethane	4.909	49	52380	21.658	ug/l	98
29) Tetrahydrofuran	5.019	42	108404	102.340	ug/l	98
30) Chloroform	5.098	83	119002	20.063	ug/l	95
31) Cyclohexane	5.482	56	97532	18.204	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	95278	18.662	ug/l	97
36) 1,1-Dichloropropene	5.702	75	75313	17.365	ug/l	99
37) Ethyl Acetate	4.720	43	76893	17.077	ug/l	96
38) Carbon Tetrachloride	5.684	117	84801	17.892	ug/l	99
39) Methylcyclohexane	7.384	83	91721	16.954	ug/l	96
40) Benzene	6.043	78	247854	19.092	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047488.D
Acq On : 22 Aug 2025 11:51
Operator : JC/MD
Sample : VX0822WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 25 01:25:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	38508	20.281	ug/l		96
42) 1,2-Dichloroethane	6.092	62	89819	19.533	ug/l		99
43) Isopropyl Acetate	6.342	43	125415	19.389	ug/l		99
44) Trichloroethene	7.128	130	60804	18.292	ug/l		100
45) 1,2-Dichloropropane	7.433	63	62569	19.239	ug/l		96
46) Dibromomethane	7.586	93	46002	19.483	ug/l		97
47) Bromodichloromethane	7.823	83	96014	19.616	ug/l		99
48) Methyl methacrylate	7.695	41	64500	19.211	ug/l		98
49) 1,4-Dioxane	7.683	88	13517	414.131	ug/l		93
51) 4-Methyl-2-Pentanone	8.573	43	377591	101.440	ug/l		96
52) Toluene	8.720	92	151184	18.847	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	83940	19.649	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	93740	19.386	ug/l		99
55) 1,1,2-Trichloroethane	9.152	97	60466	19.853	ug/l		97
56) Ethyl methacrylate	9.116	69	88578	19.726	ug/l		98
57) 1,3-Dichloropropane	9.305	76	105503	20.329	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	179653	89.339	ug/l		98
59) 2-Hexanone	9.427	43	252296	97.987	ug/l		98
60) Dibromochloromethane	9.518	129	70934	19.597	ug/l		100
61) 1,2-Dibromoethane	9.610	107	61363	19.538	ug/l		100
64) Tetrachloroethene	9.274	164	49991	17.817	ug/l		98
65) Chlorobenzene	10.079	112	171569	18.612	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	59904	19.223	ug/l		99
67) Ethyl Benzene	10.195	91	293400	18.492	ug/l		99
68) m/p-Xylenes	10.299	106	222278	37.572	ug/l		99
69) o-Xylene	10.640	106	106357	18.681	ug/l		100
70) Styrene	10.652	104	185646	19.298	ug/l		99
71) Bromoform	10.798	173	47070	20.106	ug/l	#	98
73) Isopropylbenzene	10.963	105	284187	18.926	ug/l		99
74) N-amyl acetate	10.841	43	107356	18.827	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87989	19.958	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	69461m	19.736	ug/l		
77) Bromobenzene	11.195	156	69957	19.079	ug/l		98
78) n-propylbenzene	11.304	91	336842	18.782	ug/l		100
79) 2-Chlorotoluene	11.359	91	203482	18.769	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	233046	18.862	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	12143	20.503	ug/l		98
82) 4-Chlorotoluene	11.451	91	240809	18.843	ug/l		100
83) tert-Butylbenzene	11.713	119	235219	19.083	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	237710	19.240	ug/l		99
85) sec-Butylbenzene	11.890	105	293002	19.178	ug/l		100
86) p-Isopropyltoluene	12.006	119	242206	18.735	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	134293	19.171	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	135092	18.751	ug/l		99
89) n-Butylbenzene	12.329	91	228109	18.970	ug/l		99
90) Hexachloroethane	12.536	117	40670	17.932	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	128944	19.393	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	16362	19.190	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	83159	18.657	ug/l		99
94) Hexachlorobutadiene	13.719	225	30356	19.133	ug/l		97
95) Naphthalene	13.774	128	248392	19.500	ug/l		100
96) 1,2,3-Trichlorobenzene	13.956	180	80383	19.132	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047488.D
Acq On : 22 Aug 2025 11:51
Operator : JC/MD
Sample : VX0822WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 25 01:25:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

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

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

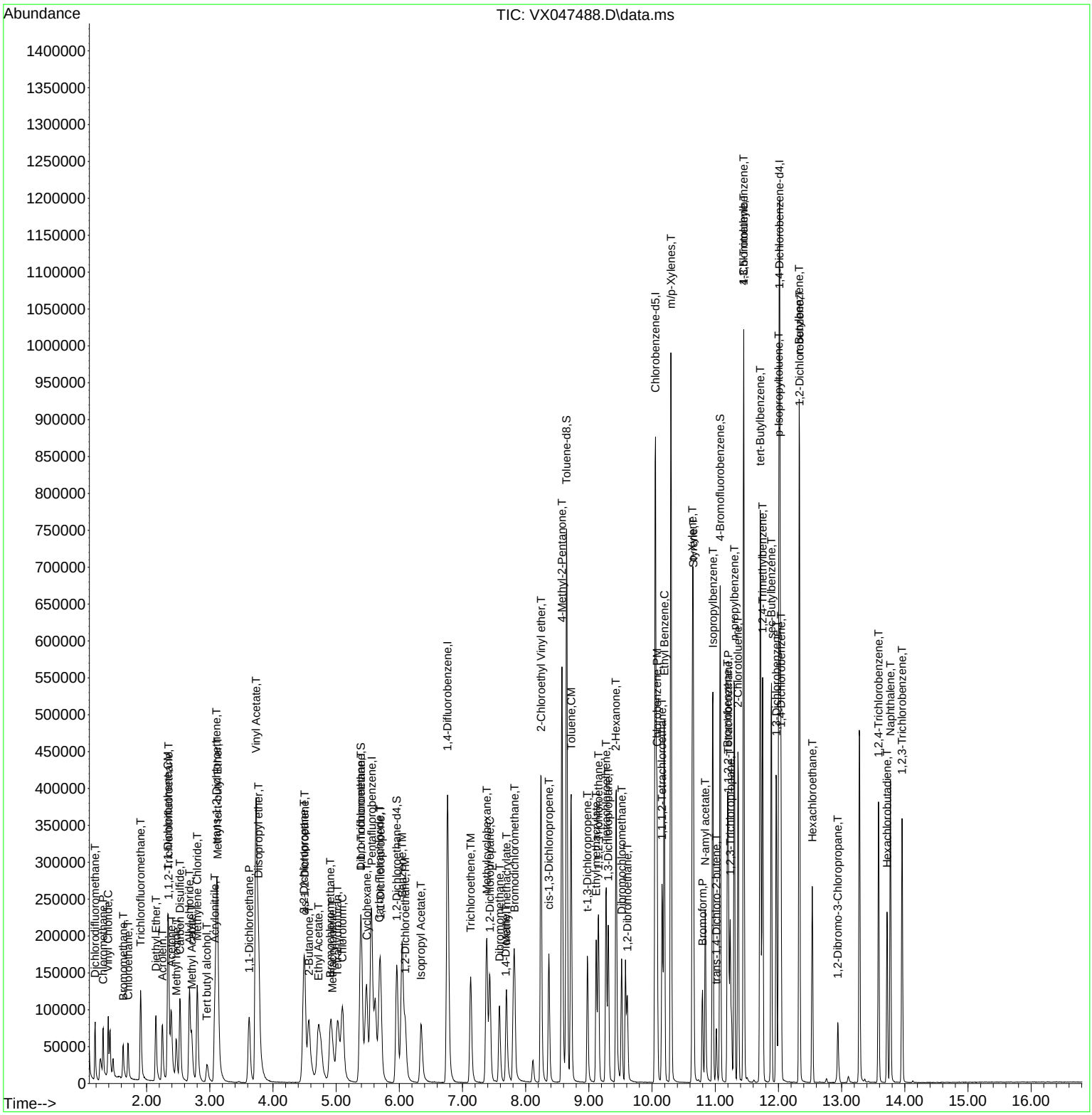
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047488.D
Acq On : 22 Aug 2025 11:51
Operator : JC/MD
Sample : VX0822WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 25 01:25:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



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

Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX047349.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	1,4-Dioxane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	Tetrahydrofuran	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,4-Dioxane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICCC050	VX047351.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:42:59 AM	MMDadoda	8/19/2025 1:41:07 AM	Peak Integrated by Software
VSTDICC100	VX047352.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:03 AM	MMDadoda	8/19/2025 1:41:08 AM	Peak Integrated by Software
VSTDICC150	VX047353.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:07 AM	MMDadoda	8/19/2025 1:41:10 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dichlorobenzene	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dioxane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Allyl chloride	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Ethyl Acetate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047356.D	Methacrylonitrile	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Methyl methacrylate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Tetrahydrofuran	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,4-Dioxane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDCCC050	VX047369.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:44 AM	MMDadoda	8/19/2025 1:41:35 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX082225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047484.D	1,2,3-Trichloropropane	JOHN	8/25/2025 8:45:18 AM	SAM	8/25/2025 3:21:27 PM	Peak Integrated by Software
VX0822WBS01	VX047487.D	1,2,3-Trichloropropane	JOHN	8/25/2025 8:45:23 AM	SAM	8/25/2025 3:21:28 PM	Peak Integrated by Software
VX0822WBSD01	VX047488.D	1,2,3-Trichloropropane	JOHN	8/25/2025 8:45:28 AM	SAM	8/25/2025 3:21:30 PM	Peak Integrated by Software
VSTDCCC050	VX047509.D	1,2,3-Trichloropropane	JOHN	8/25/2025 8:45:44 AM	SAM	8/25/2025 3:21:37 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047347.D	15 Aug 2025 08:28	JC/MD	Ok
2	VSTDICC001	VX047348.D	15 Aug 2025 09:18	JC/MD	Not Ok
3	VSTDICC005	VX047349.D	15 Aug 2025 09:40	JC/MD	Ok,M
4	VSTDICC020	VX047350.D	15 Aug 2025 10:01	JC/MD	Ok,M
5	VSTDICCC050	VX047351.D	15 Aug 2025 10:22	JC/MD	Ok,M
6	VSTDICC100	VX047352.D	15 Aug 2025 10:43	JC/MD	Ok,M
7	VSTDICC150	VX047353.D	15 Aug 2025 11:05	JC/MD	Ok,M
8	IBLK	VX047354.D	15 Aug 2025 11:26	JC/MD	Ok
9	VSTDICC001	VX047355.D	15 Aug 2025 12:08	JC/MD	Not Ok
10	VSTDICC001	VX047356.D	15 Aug 2025 12:30	JC/MD	Ok,M
11	VSTDICV050	VX047357.D	15 Aug 2025 13:11	JC/MD	Ok,M
12	VX0815WBL01	VX047358.D	15 Aug 2025 13:39	JC/MD	Ok
13	VX0815MBL01	VX047359.D	15 Aug 2025 14:00	JC/MD	Ok
14	VX0815WBS01	VX047360.D	15 Aug 2025 14:21	JC/MD	Ok,M
15	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49	JC/MD	Ok,M
16	Q2880-01	VX047362.D	15 Aug 2025 15:10	JC/MD	Ok
17	Q2880-02	VX047363.D	15 Aug 2025 15:32	JC/MD	Ok
18	Q2880-03	VX047364.D	15 Aug 2025 15:53	JC/MD	Ok
19	Q2880-04	VX047365.D	15 Aug 2025 16:15	JC/MD	Ok
20	Q2886-01	VX047366.D	15 Aug 2025 16:36	JC/MD	Ok
21	Q2886-02	VX047367.D	15 Aug 2025 16:58	JC/MD	ReRun

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2837-01	VX047368.D	15 Aug 2025 17:19	JC/MD	Ok,M
23	VSTDCCC050	VX047369.D	15 Aug 2025 17:41	JC/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082225

Review By	John Carlone	Review On	8/25/2025 8:50:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 3:23:15 PM		
SubDirectory	VX082225	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135234
Initial Calibration Stds	
CCC	VP135235,VP135236
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047483.D	22 Aug 2025 08:25	JC/MD	Ok
2	VSTDCCC050	VX047484.D	22 Aug 2025 10:00	JC/MD	Ok,M
3	VX0822MBL01	VX047485.D	22 Aug 2025 10:32	JC/MD	Ok
4	VX0822WBL01	VX047486.D	22 Aug 2025 10:53	JC/MD	Ok
5	VX0822WBS01	VX047487.D	22 Aug 2025 11:22	JC/MD	Ok,M
6	VX0822WBSD01	VX047488.D	22 Aug 2025 11:51	JC/MD	Ok,M
7	Q2903-07DL	VX047489.D	22 Aug 2025 12:12	JC/MD	Ok
8	Q2903-13	VX047490.D	22 Aug 2025 12:34	JC/MD	ReRun
9	Q2927-01	VX047491.D	22 Aug 2025 12:55	JC/MD	Ok
10	IBLK	VX047492.D	22 Aug 2025 13:16	JC/MD	Ok
11	Q2903-02RE	VX047493.D	22 Aug 2025 13:37	JC/MD	Confirms
12	Q2903-09	VX047494.D	22 Aug 2025 13:58	JC/MD	Ok
13	Q2903-10	VX047495.D	22 Aug 2025 14:19	JC/MD	Ok
14	Q2903-11	VX047496.D	22 Aug 2025 14:40	JC/MD	Ok
15	Q2903-12	VX047497.D	22 Aug 2025 15:01	JC/MD	Ok
16	Q2934-01	VX047498.D	22 Aug 2025 15:22	JC/MD	Ok
17	Q2934-02	VX047499.D	22 Aug 2025 15:43	JC/MD	Ok
18	Q2934-03	VX047500.D	22 Aug 2025 16:04	JC/MD	Ok
19	Q2934-04	VX047501.D	22 Aug 2025 16:25	JC/MD	Ok
20	IBLK	VX047502.D	22 Aug 2025 16:46	JC/MD	Ok
21	Q2939-01	VX047503.D	22 Aug 2025 17:07	JC/MD	ReRun

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082225

Review By	John Carlone	Review On	8/25/2025 8:50:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 3:23:15 PM		
SubDirectory	VX082225	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135234
Initial Calibration Stds	
CCC	VP135235,VP135236
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2939-02	VX047504.D	22 Aug 2025 17:27	JC/MD	Ok
23	Q2939-03	VX047505.D	22 Aug 2025 17:48	JC/MD	Ok
24	Q2939-04	VX047506.D	22 Aug 2025 18:09	JC/MD	Ok
25	Q2903-05MS	VX047507.D	22 Aug 2025 18:30	JC/MD	Ok,M
26	Q2903-06MSD	VX047508.D	22 Aug 2025 18:51	JC/MD	Ok,M
27	VSTDCCC050	VX047509.D	22 Aug 2025 19:12	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047347.D	15 Aug 2025 08:28		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047348.D	15 Aug 2025 09:18	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX047349.D	15 Aug 2025 09:40	LR-58,81	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047350.D	15 Aug 2025 10:01		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047351.D	15 Aug 2025 10:22		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047352.D	15 Aug 2025 10:43		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047353.D	15 Aug 2025 11:05		JC/MD	Ok,M
8	IBLK	IBLK	VX047354.D	15 Aug 2025 11:26		JC/MD	Ok
9	VSTDICC001	VSTDICC001	VX047355.D	15 Aug 2025 12:08	Not used	JC/MD	Not Ok
10	VSTDICC001	VSTDICC001	VX047356.D	15 Aug 2025 12:30		JC/MD	Ok,M
11	VSTDICV050	ICVVX081525	VX047357.D	15 Aug 2025 13:11		JC/MD	Ok,M
12	VX0815WBL01	VX0815WBL01	VX047358.D	15 Aug 2025 13:39		JC/MD	Ok
13	VX0815MBL01	VX0815MBL01	VX047359.D	15 Aug 2025 14:00		JC/MD	Ok
14	VX0815WBS01	VX0815WBS01	VX047360.D	15 Aug 2025 14:21		JC/MD	Ok,M
15	VX0815WBSD01	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49		JC/MD	Ok,M
16	Q2880-01	STORAGE-BLANK-SO	VX047362.D	15 Aug 2025 15:10	vial A pH<2	JC/MD	Ok
17	Q2880-02	STORAGE-BLANK-WA	VX047363.D	15 Aug 2025 15:32	vial A pH<2	JC/MD	Ok
18	Q2880-03	STORAGE-BLANK-WA	VX047364.D	15 Aug 2025 15:53	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2880-04	STORAGE-BLANK-SAI	VX047365.D	15 Aug 2025 16:15	vial A pH<2	JC/MD	Ok
20	Q2886-01	BP-TT182D-TB-202508	VX047366.D	15 Aug 2025 16:36	vial A pH<2	JC/MD	Ok
21	Q2886-02	BP-TT182D-GW-20250	VX047367.D	15 Aug 2025 16:58	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q2837-01	TW-WTS-13	VX047368.D	15 Aug 2025 17:19	vial B pH<2	JC/MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VX047369.D	15 Aug 2025 17:41		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082225

Review By	John Carlone	Review On	8/25/2025 8:50:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 3:23:15 PM		
SubDirectory	VX082225	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135234
Initial Calibration Stds	
CCC	VP135235,VP135236
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047483.D	22 Aug 2025 08:25		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047484.D	22 Aug 2025 10:00	pH#Lot#V12668	JC/MD	Ok,M
3	VX0822MBL01	VX0822MBL01	VX047485.D	22 Aug 2025 10:32		JC/MD	Ok
4	VX0822WBL01	VX0822WBL01	VX047486.D	22 Aug 2025 10:53		JC/MD	Ok
5	VX0822WBS01	VX0822WBS01	VX047487.D	22 Aug 2025 11:22		JC/MD	Ok,M
6	VX0822WBSD01	VX0822WBSD01	VX047488.D	22 Aug 2025 11:51		JC/MD	Ok,M
7	Q2903-07DL	MW-12B-081925DL	VX047489.D	22 Aug 2025 12:12	vial B pH<2	JC/MD	Ok
8	Q2903-13	TB	VX047490.D	22 Aug 2025 12:34	vial A pH<2 TB;Surrogate Fail	JC/MD	ReRun
9	Q2927-01	A6121M	VX047491.D	22 Aug 2025 12:55	vial A pH<2	JC/MD	Ok
10	IBLK	IBLK	VX047492.D	22 Aug 2025 13:16		JC/MD	Ok
11	Q2903-02RE	MW-1C-081925RE	VX047493.D	22 Aug 2025 13:37	vial B pH<2 Surrogate Fail	JC/MD	Confirms
12	Q2903-09	DUP-02-081925	VX047494.D	22 Aug 2025 13:58	vial B pH<2	JC/MD	Ok
13	Q2903-10	MW-17A-081925	VX047495.D	22 Aug 2025 14:19	vial A pH<2	JC/MD	Ok
14	Q2903-11	MW-18A-081925	VX047496.D	22 Aug 2025 14:40	vial A pH<2	JC/MD	Ok
15	Q2903-12	MW-16B-081925	VX047497.D	22 Aug 2025 15:01	vial A pH<2	JC/MD	Ok
16	Q2934-01	ENV-SW01	VX047498.D	22 Aug 2025 15:22	vial A pH<2	JC/MD	Ok
17	Q2934-02	ENV-SW02	VX047499.D	22 Aug 2025 15:43	vial A pH<2	JC/MD	Ok
18	Q2934-03	ENV-SW03	VX047500.D	22 Aug 2025 16:04	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082225

Review By	John Carlone	Review On	8/25/2025 8:50:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 3:23:15 PM		
SubDirectory	VX082225	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135234
Initial Calibration Stds	
CCC	VP135235,VP135236
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2934-04	ENV-SW04	VX047501.D	22 Aug 2025 16:25	vial A pH<2	JC/MD	Ok
20	IBLK	IBLK	VX047502.D	22 Aug 2025 16:46		JC/MD	Ok
21	Q2939-01	STORAGE-BLANK-SO	VX047503.D	22 Aug 2025 17:07	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q2939-02	STORAGE-BLANK-WA	VX047504.D	22 Aug 2025 17:27	vial A pH<2	JC/MD	Ok
23	Q2939-03	STORAGE-BLANK-WA	VX047505.D	22 Aug 2025 17:48	vial A pH<2	JC/MD	Ok
24	Q2939-04	STORAGE-BLANK-SA	VX047506.D	22 Aug 2025 18:09	vial A pH<2	JC/MD	Ok
25	Q2903-05MS	MW-6B-081925MS	VX047507.D	22 Aug 2025 18:30	vial A pH<2	JC/MD	Ok,M
26	Q2903-06MSD	MW-6B-081925MSD	VX047508.D	22 Aug 2025 18:51	vial A pH<2	JC/MD	Ok,M
27	VSTDCCC050	VSTDCCC050EC	VX047509.D	22 Aug 2025 19:12		JC/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2934	**OrderDate:**	8/21/2025 2:34:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2934-01	**ENV-SW01**	**Water**			**08/21/25**			**08/21/25**
			VOC-TCLVOA-10	8260-Low			08/22/25	
Q2934-02	**ENV-SW02**	**Water**			**08/21/25**			**08/21/25**
			VOC-TCLVOA-10	8260-Low			08/22/25	
Q2934-03	**ENV-SW03**	**Water**			**08/21/25**			**08/21/25**
			VOC-TCLVOA-10	8260-Low			08/22/25	
Q2934-04	**ENV-SW04**	**Water**			**08/21/25**			**08/21/25**
			VOC-TCLVOA-10	8260-Low			08/22/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2934

Client: Portal Partners Tri-Venture

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID : ENV-SW01									
Q2934-01	ENV-SW01	WATER	Bis(2-ethylhexyl)phthalate		2.100	J	1.6	5	ug/L
			Total Svoc :		**2.10**				
Q2934-01	ENV-SW01	WATER	Butane, 2-methoxy-2-methyl-	*	82.900	J	0	0	ug/L
Q2934-01	ENV-SW01	WATER	n-Hexadecanoic acid	*	12.300	J	0	0	ug/L
Q2934-01	ENV-SW01	WATER	Octadecanoic acid	*	2.400	J	0	0	ug/L
Q2934-01	ENV-SW01	WATER	unknown2.984	*	3.100	J	0	0	ug/L
Q2934-01	ENV-SW01	WATER	unknown3.078	*	3.700	J	0	0	ug/L
Q2934-01	ENV-SW01	WATER	1-Hexacosene	*	4.600	J	0	0	ug/L
Q2934-01	ENV-SW01	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.500	AB	0	0	ug/L
Q2934-01	ENV-SW01	WATER	Benzophenone	*	7.400	J	0	0	ug/L
			Total Tics :		**123.90**				
			Total Concentration:		**126.00**				
Client ID : ENV-SW02									
Q2934-02	ENV-SW02	WATER	1,1,3-Trimethoxypropane	*	4.100	J	0	0	ug/L
Q2934-02	ENV-SW02	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.700	AB	0	0	ug/L
Q2934-02	ENV-SW02	WATER	Benzophenone	*	7.700	J	0	0	ug/L
Q2934-02	ENV-SW02	WATER	Butane, 2-methoxy-2-methyl-	*	81.000	J	0	0	ug/L
Q2934-02	ENV-SW02	WATER	n-Hexadecanoic acid	*	14.100	J	0	0	ug/L
Q2934-02	ENV-SW02	WATER	Octadecanoic acid	*	5.300	J	0	0	ug/L
Q2934-02	ENV-SW02	WATER	Pentadecafluorooctanoic acid, oct	*	4.900	J	0	0	ug/L
			Total Tics :		**125.80**				
			Total Concentration:		**125.80**				
Client ID : ENV-SW03									
Q2934-03	ENV-SW03	WATER	2-Butene, 1-bromo-3-methyl-	*	2.800	J	0	0	ug/L
Q2934-03	ENV-SW03	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.300	AB	0	0	ug/L
Q2934-03	ENV-SW03	WATER	Benzophenone	*	8.300	J	0	0	ug/L
Q2934-03	ENV-SW03	WATER	Butane, 2-methoxy-2-methyl-	*	75.200	J	0	0	ug/L
Q2934-03	ENV-SW03	WATER	Ethanol, 2-(tetradecyloxy)-	*	5.800	J	0	0	ug/L
Q2934-03	ENV-SW03	WATER	n-Hexadecanoic acid	*	16.100	J	0	0	ug/L
Q2934-03	ENV-SW03	WATER	Octadecanoic acid	*	5.300	J	0	0	ug/L
Q2934-03	ENV-SW03	WATER	unknown3.072	*	3.400	J	0	0	ug/L
			Total Tics :		**125.20**				
			Total Concentration:		**125.20**				
Client ID : ENV-SW04									
Q2934-04	ENV-SW04	WATER	2-Arachidonoylglycerol	*	6.600	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.400	AB	0	0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2934

Client: Portal Partners Tri-Venture

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Q2934-04	ENV-SW04	WATER	3-Buten-2-one, 3-methyl-	*	4.100	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	9,12,15-Octadecatrienoic acid, (Z,	*	7.000	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	Benzophenone	*	17.000	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	Butane, 2-methoxy-2-methyl-	*	65.700	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	Cyclotetracosane	*	16.900	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	Heneicosane, 11-decyl-	*	5.200	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	Heptadecane, 9-octyl-	*	3.900	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	Myristyl myristate	*	17.700	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	Neophytadiene	*	9.300	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	n-Hexadecanoic acid	*	30.400	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	Octadecane	*	3.900	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	Octadecanoic acid	*	8.800	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	Phytol	*	4.600	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	Squalene	*	4.500	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	Tetracosane	*	4.700	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	Tetradecanoic acid, hexadecyl este	*	15.200	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	unknown3.078	*	4.800	J	0	0	ug/L
Q2934-04	ENV-SW04	WATER	unknown4.249	*	4.400	J	0	0	ug/L
			Total Tics :		**242.10**				
			Total Concentration:		**242.10**				

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025553.D	1	08/22/25 10:34	08/22/25 17:39	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	UQ	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025553.D	1	08/22/25 10:34	08/22/25 17:39	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	UQ	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.10	J	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025553.D	1	08/22/25 10:34	08/22/25 17:39	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	84.9		15 (23) - 110 (138)	57%	SPK: 150
13127-88-3	Phenol-d6	65.0		15 (10) - 110 (134)	43%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.9		30 (67) - 130 (132)	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.1		30 (52) - 130 (132)	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		15 (44) - 110 (137)	102%	SPK: 150
1718-51-0	Terphenyl-d14	80.8		30 (42) - 130 (152)	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	164000	7.778			
1146-65-2	Naphthalene-d8	640000	10.542			
15067-26-2	Acenaphthene-d10	400000	14.395			
1517-22-2	Phenanthrene-d10	848000	17.201			
1719-03-5	Chrysene-d12	933000	21.63			
1520-96-3	Perylene-d12	1080000	25			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown2.984	3.10	J		2.98	ug/L
000994-05-8	Butane, 2-methoxy-2-methyl-	82.9	J		3.03	ug/L
	unknown3.078	3.70	J		3.08	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.50	AB		4.94	ug/L
000119-61-9	Benzophenone	7.40	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	12.3	J		18.1	ug/L
000057-11-4	Octadecanoic acid	2.40	J		19.5	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025553.D	1	08/22/25 10:34	08/22/25 17:39	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
018835-33-1	1-Hexacosene	4.60	J		21.3	ug/L

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:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025554.D	1	08/22/25 10:34	08/22/25 18:20	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.1	ug/L
108-95-2	Phenol	0.92	U	0.92	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.82	U	0.82	5.10	ug/L
95-57-8	2-Chlorophenol	0.59	U	0.59	5.10	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.10	ug/L
98-86-2	Acetophenone	0.75	U	0.75	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.66	U	0.66	5.10	ug/L
98-95-3	Nitrobenzene	0.77	U	0.77	5.10	ug/L
78-59-1	Isophorone	0.76	U	0.76	5.10	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.10	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.69	U	0.69	5.10	ug/L
120-83-2	2,4-Dichlorophenol	0.53	U	0.53	5.10	ug/L
91-20-3	Naphthalene	0.51	U	0.51	5.10	ug/L
106-47-8	4-Chloroaniline	0.85	UQ	0.85	5.10	ug/L
87-68-3	Hexachlorobutadiene	0.55	U	0.55	5.10	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	0.60	U	0.60	5.10	ug/L
91-57-6	2-Methylnaphthalene	0.57	U	0.57	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	3.70	U	3.70	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	0.52	U	0.52	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	0.63	U	0.63	5.10	ug/L
92-52-4	1,1-Biphenyl	0.54	U	0.54	5.10	ug/L
91-58-7	2-Chloronaphthalene	0.62	U	0.62	5.10	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.10	ug/L
131-11-3	Dimethylphthalate	0.62	U	0.62	5.10	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025554.D	1	08/22/25 10:34	08/22/25 18:20	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.76	U	0.76	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	0.93	U	0.93	5.10	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.10	ug/L
83-32-9	Acenaphthene	0.56	U	0.56	5.10	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.1	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.1	ug/L
132-64-9	Dibenzofuran	0.62	U	0.62	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.10	ug/L
84-66-2	Diethylphthalate	0.70	U	0.70	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.69	U	0.69	5.10	ug/L
86-73-7	Fluorene	0.64	U	0.64	5.10	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	0.59	U	0.59	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.10	ug/L
118-74-1	Hexachlorobenzene	0.53	U	0.53	5.10	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.10	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.1	ug/L
85-01-8	Phenanthrene	0.51	U	0.51	5.10	ug/L
120-12-7	Anthracene	0.62	U	0.62	5.10	ug/L
86-74-8	Carbazole	0.73	U	0.73	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.10	ug/L
206-44-0	Fluoranthene	0.83	U	0.83	5.10	ug/L
129-00-0	Pyrene	0.51	U	0.51	5.10	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	0.94	UQ	0.94	10.1	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.10	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.10	ug/L
117-84-0	Di-n-octyl phthalate	2.40	U	2.40	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.10	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025554.D	1	08/22/25 10:34	08/22/25 18:20	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.10	ug/L
50-32-8	Benzo(a)pyrene	0.56	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.60	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.68	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	0.70	U	0.70	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.53	U	0.53	5.10	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.73	U	0.73	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	93.7		15 (23) - 110 (138)	62%	SPK: 150
13127-88-3	Phenol-d6	73.6		15 (10) - 110 (134)	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.0		30 (67) - 130 (132)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.4		30 (52) - 130 (132)	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	82.2		30 (42) - 130 (152)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	160000	7.778			
1146-65-2	Naphthalene-d8	629000	10.542			
15067-26-2	Acenaphthene-d10	402000	14.378			
1517-22-2	Phenanthrene-d10	847000	17.183			
1719-03-5	Chrysene-d12	934000	21.618			
1520-96-3	Perylene-d12	1100000	24.977			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	81.0	J		3.03	ug/L
014315-97-0	1,1,3-Trimethoxypropane	4.10	J		3.07	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.70	AB		4.94	ug/L
000119-61-9	Benzophenone	7.70	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	14.1	J		18.1	ug/L
000057-11-4	Octadecanoic acid	5.30	J		19.5	ug/L
1000406-04-8	Pentadecafluorooctanoic acid, octa	4.90	J		21.3	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025554.D	1	08/22/25 10:34	08/22/25 18:20	PB169362

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:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025555.D	1	08/22/25 10:34	08/22/25 19:02	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	UQ	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025555.D	1	08/22/25 10:34	08/22/25 19:02	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	UQ	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025555.D	1	08/22/25 10:34	08/22/25 19:02	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	89.6		15 (23) - 110 (138)	60%	SPK: 150
13127-88-3	Phenol-d6	72.4		15 (10) - 110 (134)	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.1		30 (67) - 130 (132)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.9		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		15 (44) - 110 (137)	101%	SPK: 150
1718-51-0	Terphenyl-d14	85.7		30 (42) - 130 (152)	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	171000	7.778			
1146-65-2	Naphthalene-d8	720000	10.543			
15067-26-2	Acenaphthene-d10	488000	14.389			
1517-22-2	Phenanthrene-d10	1040000	17.189			
1719-03-5	Chrysene-d12	1090000	21.63			
1520-96-3	Perylene-d12	1180000	24.989			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	75.2	J		3.03	ug/L
	unknown3.072	3.40	J		3.07	ug/L
000870-63-3	2-Butene, 1-bromo-3-methyl-	2.80	J		4.25	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.30	AB		4.94	ug/L
000119-61-9	Benzophenone	8.30	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	16.1	J		18.1	ug/L
000057-11-4	Octadecanoic acid	5.30	J		19.5	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025555.D	1	08/22/25 10:34	08/22/25 19:02	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
002136-70-1	Ethanol, 2-(tetradecyloxy)-	5.80	J		21.3	ug/L

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:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025556.D	1	08/22/25 10:34	08/22/25 19:43	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	UQ	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025556.D	1	08/22/25 10:34	08/22/25 19:43	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	UQ	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025556.D	1	08/22/25 10:34	08/22/25 19:43	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	83.0		15 (23) - 110 (138)	55%	SPK: 150
13127-88-3	Phenol-d6	72.1		15 (10) - 110 (134)	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.8		30 (67) - 130 (132)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.6		30 (52) - 130 (132)	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		15 (44) - 110 (137)	89%	SPK: 150
1718-51-0	Terphenyl-d14	75.1		30 (42) - 130 (152)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	194000	7.778			
1146-65-2	Naphthalene-d8	812000	10.548			
15067-26-2	Acenaphthene-d10	530000	14.389			
1517-22-2	Phenanthrene-d10	1100000	17.189			
1719-03-5	Chrysene-d12	1090000	21.624			
1520-96-3	Perylene-d12	1210000	24.983			
TENTATIVE IDENTIFIED COMPOUNDS						
000814-78-8	3-Buten-2-one, 3-methyl-	4.10	J		2.98	ug/L
000994-05-8	Butane, 2-methoxy-2-methyl-	65.7	J		3.03	ug/L
	unknown3.078	4.80	J		3.08	ug/L
	unknown4.249	4.40	J		4.25	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.40	AB		4.94	ug/L
000119-61-9	Benzophenone	17.0	J		15.8	ug/L
000504-96-1	Neophytadiene	9.30	J		17.3	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025556.D	1	08/22/25 10:34	08/22/25 19:43	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000057-10-3	n-Hexadecanoic acid	30.4	J		18.1	ug/L
053847-30-6	2-Arachidonoylglycerol	6.60	J		18.8	ug/L
000150-86-7	Phytol	4.60	J		19.2	ug/L
000463-40-1	9,12,15-Octadecatrienoic acid, (Z,	7.00	J		19.3	ug/L
000057-11-4	Octadecanoic acid	8.80	J		19.5	ug/L
007225-64-1	Heptadecane, 9-octyl-	3.90	J		20.8	ug/L
000297-03-0	Cyclotetracosane	16.9	J		21.3	ug/L
000646-31-1	Tetracosane	4.70	J		21.9	ug/L
055320-06-4	Heneicosane, 11-decyl-	5.20	J		22.5	ug/L
000593-45-3	Octadecane	3.90	J		23.3	ug/L
000111-02-4	Squalene	4.50	J		23.5	ug/L
003234-85-3	Myristyl myristate	17.7	J		24.8	ug/L
002599-01-1	Tetradecanoic acid, hexadecyl este	15.2	J		27.3	ug/L

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

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Surrogate Summary

SW-846

SDG No.: Q2934

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169362BL	PB169362BL	2-Fluorophenol	150	125	83		15 (23)	110 (138)
		Phenol-d6	150	120	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	75.8	76		30 (67)	130 (132)
		2-Fluorobiphenyl	100	73.3	73		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	123	82		15 (44)	110 (137)
		Terphenyl-d14	100	70.1	70		30 (42)	130 (152)
PB169362BS	PB169362BS	2-Fluorophenol	150	116	77		15 (23)	110 (138)
		Phenol-d6	150	113	75		15 (10)	110 (134)
		Nitrobenzene-d5	100	72.1	72		30 (67)	130 (132)
		2-Fluorobiphenyl	100	70.9	71		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	119	80		15 (44)	110 (137)
		Terphenyl-d14	100	75.5	75		30 (42)	130 (152)
Q2924-03MS	MW-201-082025MS	2-Fluorophenol	150	67.6	45		15 (23)	110 (138)
		Phenol-d6	150	41.4	28		15 (10)	110 (134)
		Nitrobenzene-d5	100	148	148	*	30 (67)	130 (132)
		2-Fluorobiphenyl	100	79.6	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	138	92		15 (44)	110 (137)
		Terphenyl-d14	100	76.9	77		30 (42)	130 (152)
Q2924-04MSD	MW-201-082025MSD	2-Fluorophenol	150	67.4	45		15 (23)	110 (138)
		Phenol-d6	150	41.4	28		15 (10)	110 (134)
		Nitrobenzene-d5	100	149	149	*	30 (67)	130 (132)
		2-Fluorobiphenyl	100	78.1	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	135	90		15 (44)	110 (137)
		Terphenyl-d14	100	76.2	76		30 (42)	130 (152)
Q2934-01	ENV-SW01	2-Fluorophenol	150	84.9	57		15 (23)	110 (138)
		Phenol-d6	150	65.0	43		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.9	94		30 (67)	130 (132)
		2-Fluorobiphenyl	100	88.1	88		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	154	102		15 (44)	110 (137)
		Terphenyl-d14	100	80.8	81		30 (42)	130 (152)
Q2934-02	ENV-SW02	2-Fluorophenol	150	93.7	62		15 (23)	110 (138)
		Phenol-d6	150	73.6	49		15 (10)	110 (134)
		Nitrobenzene-d5	100	97.0	97		30 (67)	130 (132)
		2-Fluorobiphenyl	100	87.4	87		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	157	105		15 (44)	110 (137)
		Terphenyl-d14	100	82.2	82		30 (42)	130 (152)
Q2934-03	ENV-SW03	2-Fluorophenol	150	89.6	60		15 (23)	110 (138)
		Phenol-d6	150	72.4	48		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.1	90		30 (67)	130 (132)
		2-Fluorobiphenyl	100	79.9	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	151	101		15 (44)	110 (137)
		Terphenyl-d14	100	85.7	86		30 (42)	130 (152)
Q2934-04	ENV-SW04	2-Fluorophenol	150	83.0	55		15 (23)	110 (138)
		Phenol-d6	150	72.1	48		15 (10)	110 (134)
		Nitrobenzene-d5	100	80.8	81		30 (67)	130 (132)
		2-Fluorobiphenyl	100	74.6	75		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	89		15 (44)	110 (137)
		Terphenyl-d14	100	75.1	75		30 (42)	130 (152)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2934 **Analytical Method:** SW8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025602.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2924-03MS		**Client Sample ID: MW-201-082025MS**									
Benzaldehyde	51.5	0	38.4	ug/L	75				20 (10)	160 (137)	
Phenol	51.5	0	16.0	ug/L	31				20 (10)	160 (130)	
bis(2-Chloroethyl)ether	51.5	0	44.3	ug/L	86				70 (29)	130 (141)	
2-Chlorophenol	51.5	0	39.6	ug/L	77				70 (23)	130 (127)	
2-Methylphenol	51.5	0	33.8	ug/L	66	*			70 (60)	130 (131)	
2,2-oxybis(1-Chloropropane)	51.5	0	17.1	ug/L	33	*			70 (36)	130 (141)	
Acetophenone	51.5	0	87.5	ug/L	170	*			70 (31)	130 (164)	
3+4-Methylphenols	51.5	10.0	40.9	ug/L	60				20 (54)	160 (136)	
N-Nitroso-di-n-propylamine	51.5	0	42.2	ug/L	82				70 (36)	130 (147)	
Hexachloroethane	51.5	0	93.2	ug/L	181	*			20 (19)	160 (146)	
Nitrobenzene	51.5	0	85.8	ug/L	167	*			70 (62)	130 (112)	
Isophorone	51.5	0	81.7	ug/L	159	*			70 (39)	130 (146)	
2-Nitrophenol	51.5	0	86.6	ug/L	168	*			70 (30)	130 (148)	
2,4-Dimethylphenol	51.5	0	75.6	ug/L	147	*			70 (17)	130 (143)	
bis(2-Chloroethoxy)methane	51.5	0	70.3	ug/L	137	*			70 (39)	130 (143)	
2,4-Dichlorophenol	51.5	0	80.6	ug/L	157	*			70 (22)	130 (146)	
Naphthalene	51.5	3100	2700	ug/L	-777	*			70 (17)	130 (157)	
4-Chloroaniline	51.5	0	28.5	ug/L	55	*			70 (10)	130 (95)	
Hexachlorobutadiene	51.5	0	71.5	ug/L	139	*			70 (52)	130 (125)	
Caprolactam	51.5	0	16.7	ug/L	32				20 (10)	160 (130)	
4-Chloro-3-methylphenol	51.5	0	76.5	ug/L	149	*			70 (17)	130 (148)	
2-Methylnaphthalene	51.5	920	800	ug/L	-233	*			70 (38)	130 (146)	
Hexachlorocyclopentadiene	100	0	79.7	ug/L	80				20 (20)	160 (153)	
2,4,6-Trichlorophenol	51.5	0	50.2	ug/L	97				70 (78)	130 (112)	
2,4,5-Trichlorophenol	51.5	0	49.4	ug/L	96				70 (71)	130 (111)	
1,1-Biphenyl	51.5	26.0	69.6	ug/L	85				70 (38)	130 (154)	
2-Chloronaphthalene	51.5	0	48.9	ug/L	95				70 (41)	130 (145)	
2-Nitroaniline	51.5	0	54.1	ug/L	105				70 (39)	130 (151)	
Dimethylphthalate	51.5	0	48.7	ug/L	95				70 (42)	130 (147)	
Acenaphthylene	51.5	160	190	ug/L	58	*			70 (40)	130 (141)	
2,6-Dinitrotoluene	51.5	0	51.4	ug/L	100				70 (43)	130 (148)	
3-Nitroaniline	51.5	0	31.7	ug/L	62	*			70 (10)	130 (111)	
Acenaphthene	51.5	8.70	54.7	ug/L	89				70 (37)	130 (146)	
2,4-Dinitrophenol	100	0	120	ug/L	120				20 (14)	160 (167)	
4-Nitrophenol	100	0	42.0	ug/L	42				20 (10)	160 (130)	
Dibenzofuran	51.5	4.00	51.3	ug/L	92				70 (41)	130 (145)	
2,4-Dinitrotoluene	51.5	0	53.3	ug/L	103				70 (74)	130 (137)	
Diethylphthalate	51.5	2.10	50.3	ug/L	94				70 (41)	130 (148)	
4-Chlorophenyl-phenylether	51.5	0	48.5	ug/L	94				70 (38)	130 (149)	
Fluorene	51.5	27.4	67.1	ug/L	77				70 (39)	130 (144)	
4-Nitroaniline	51.5	0	48.5	ug/L	94				70 (27)	130 (138)	
4,6-Dinitro-2-methylphenol	51.5	0	55.1	ug/L	107				70 (32)	130 (175)	
N-Nitrosodiphenylamine	51.5	0	51.1	ug/L	99				70 (40)	130 (150)	
4-Bromophenyl-phenylether	51.5	0	51.5	ug/L	100				70 (42)	130 (151)	
Hexachlorobenzene	51.5	0	52.5	ug/L	102				70 (72)	130 (115)	
Atrazine	51.5	0	47.8	ug/L	93				70 (20)	130 (162)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2934 **Analytical Method:** SW8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025602.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	100	0	110	ug/L	110				20 (52)	160 (162)	
Phenanthrene	51.5	29.6	65.4	ug/L	70				70 (40)	130 (147)	
Anthracene	51.5	6.10	53.4	ug/L	92				70 (41)	130 (146)	
Carbazole	51.5	13.8	61.7	ug/L	93				70 (37)	130 (154)	
Di-n-butylphthalate	51.5	2.70	51.3	ug/L	94				70 (40)	130 (151)	
Fluoranthene	51.5	2.30	51.0	ug/L	95				70 (42)	130 (146)	
Pyrene	51.5	3.00	50.5	ug/L	92				70 (41)	130 (149)	
Butylbenzylphthalate	51.5	0	51.2	ug/L	99				70 (39)	130 (155)	
3,3-Dichlorobenzidine	51.5	0	41.5	ug/L	81				70 (10)	130 (114)	
Benzo(a)anthracene	51.5	0	49.5	ug/L	96				70 (41)	130 (147)	
Chrysene	51.5	0	50.0	ug/L	97				70 (44)	130 (144)	
bis(2-Ethylhexyl)phthalate	51.5	0	48.4	ug/L	94				70 (33)	130 (160)	
Di-n-octyl phthalate	51.5	0	51.0	ug/L	99				70 (36)	130 (158)	
Benzo(b)fluoranthene	51.5	0	50.0	ug/L	97				70 (40)	130 (150)	
Benzo(k)fluoranthene	51.5	0	49.1	ug/L	95				70 (40)	130 (147)	
Benzo(a)pyrene	51.5	0	49.3	ug/L	96				70 (42)	130 (147)	
Indeno(1,2,3-cd)pyrene	51.5	0	50.1	ug/L	97				70 (30)	130 (166)	
Dibenz(a,h)anthracene	51.5	0	51.0	ug/L	99				70 (23)	130 (172)	
Benzo(g,h,i)perylene	51.5	0	50.2	ug/L	97				70 (27)	130 (167)	
1,2,4,5-Tetrachlorobenzene	51.5	0	50.1	ug/L	97				70 (89)	130 (102)	
1,4-Dioxane	51.5	0	21.2	ug/L	41				20 (38)	160 (130)	
2,3,4,6-Tetrachlorophenol	51.5	0	51.1	ug/L	99				70 (91)	130 (111)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2934 **Analytical Method:** SW8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025603.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2924-04MSD		**Client Sample ID: MW-201-082025MSD**									
Benzaldehyde	52.6	0	37.7	ug/L	72		4		20 (10)	160 (137)	20 (20)
Phenol	52.6	0	16.4	ug/L	31		0		20 (10)	160 (130)	20 (20)
bis(2-Chloroethyl)ether	52.6	0	44.2	ug/L	84		2		70 (29)	130 (141)	20 (20)
2-Chlorophenol	52.6	0	39.6	ug/L	75		3		70 (23)	130 (127)	20 (20)
2-Methylphenol	52.6	0	34.5	ug/L	66	*	0		70 (60)	130 (131)	20 (20)
2,2-oxybis(1-Chloropropane)	52.6	0	18.4	ug/L	35	*	6		70 (36)	130 (141)	20 (20)
Acetophenone	52.6	0	90.6	ug/L	172	*	1		70 (31)	130 (164)	20 (20)
3+4-Methylphenols	52.6	10.0	41.7	ug/L	60		0		20 (54)	160 (136)	20 (20)
N-Nitroso-di-n-propylamine	52.6	0	43.2	ug/L	82		0		70 (36)	130 (147)	20 (20)
Hexachloroethane	52.6	0	96.9	ug/L	184	*	2		20 (19)	160 (146)	20 (20)
Nitrobenzene	52.6	0	89.1	ug/L	169	*	1		70 (62)	130 (112)	20 (20)
Isophorone	52.6	0	85.0	ug/L	162	*	2		70 (39)	130 (146)	20 (20)
2-Nitrophenol	52.6	0	90.4	ug/L	172	*	2		70 (30)	130 (148)	20 (20)
2,4-Dimethylphenol	52.6	0	78.4	ug/L	149	*	1		70 (17)	130 (143)	20 (20)
bis(2-Chloroethoxy)methane	52.6	0	75.2	ug/L	143	*	4		70 (39)	130 (143)	20 (20)
2,4-Dichlorophenol	52.6	0	85.1	ug/L	162	*	3		70 (22)	130 (146)	20 (20)
Naphthalene	52.6	3100	3000	ug/L	-190	*	121	*	70 (17)	130 (157)	20 (20)
4-Chloroaniline	52.6	0	31.3	ug/L	60	*	9		70 (10)	130 (95)	20 (20)
Hexachlorobutadiene	52.6	0	74.8	ug/L	142	*	2		70 (52)	130 (125)	20 (20)
Caprolactam	52.6	0	17.0	ug/L	32		0		20 (10)	160 (130)	20 (20)
4-Chloro-3-methylphenol	52.6	0	79.4	ug/L	151	*	1		70 (17)	130 (148)	20 (20)
2-Methylnaphthalene	52.6	920	850	ug/L	-133	*	55	*	70 (38)	130 (146)	20 (20)
Hexachlorocyclopentadiene	110	0	76.9	ug/L	70		13		20 (20)	160 (153)	20 (20)
2,4,6-Trichlorophenol	52.6	0	50.2	ug/L	95		2		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	52.6	0	49.9	ug/L	95		1		70 (71)	130 (111)	20 (20)
1,1-Biphenyl	52.6	26.0	70.0	ug/L	84		1		70 (38)	130 (154)	20 (20)
2-Chloronaphthalene	52.6	0	48.9	ug/L	93		2		70 (41)	130 (145)	20 (20)
2-Nitroaniline	52.6	0	53.9	ug/L	102		3		70 (39)	130 (151)	20 (20)
Dimethylphthalate	52.6	0	47.8	ug/L	91		4		70 (42)	130 (147)	20 (20)
Acenaphthylene	52.6	160	190	ug/L	57	*	2		70 (40)	130 (141)	20 (20)
2,6-Dinitrotoluene	52.6	0	51.3	ug/L	98		2		70 (43)	130 (148)	20 (20)
3-Nitroaniline	52.6	0	32.4	ug/L	62	*	0		70 (10)	130 (111)	20 (20)
Acenaphthene	52.6	8.70	53.5	ug/L	85		5		70 (37)	130 (146)	20 (20)
2,4-Dinitrophenol	110	0	120	ug/L	109		10		20 (14)	160 (167)	20 (20)
4-Nitrophenol	110	0	42.7	ug/L	39		7		20 (10)	160 (130)	20 (20)
Dibenzofuran	52.6	4.00	51.2	ug/L	90		2		70 (41)	130 (145)	20 (20)
2,4-Dinitrotoluene	52.6	0	52.5	ug/L	100		3		70 (74)	130 (137)	20 (20)
Diethylphthalate	52.6	2.10	48.9	ug/L	89		5		70 (41)	130 (148)	20 (20)
4-Chlorophenyl-phenylether	52.6	0	48.5	ug/L	92		2		70 (38)	130 (149)	20 (20)
Fluorene	52.6	27.4	68.0	ug/L	77		0		70 (39)	130 (144)	20 (20)
4-Nitroaniline	52.6	0	49.4	ug/L	94		0		70 (27)	130 (138)	20 (20)
4,6-Dinitro-2-methylphenol	52.6	0	55.7	ug/L	106		1		70 (32)	130 (175)	20 (20)
N-Nitrosodiphenylamine	52.6	0	50.5	ug/L	96		3		70 (40)	130 (150)	20 (20)
4-Bromophenyl-phenylether	52.6	0	52.0	ug/L	99		1		70 (42)	130 (151)	20 (20)
Hexachlorobenzene	52.6	0	52.3	ug/L	99		3		70 (72)	130 (115)	20 (20)
Atrazine	52.6	0	48.5	ug/L	92		1		70 (20)	130 (162)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2934 **Analytical Method:** SW8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025603.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	110	0	110	ug/L	100		10		20 (52)	160 (162)	20 (20)
Phenanthrene	52.6	29.6	67.2	ug/L	71		1		70 (40)	130 (147)	20 (20)
Anthracene	52.6	6.10	53.2	ug/L	90		2		70 (41)	130 (146)	20 (20)
Carbazole	52.6	13.8	63.5	ug/L	94		1		70 (37)	130 (154)	20 (20)
Di-n-butylphthalate	52.6	2.70	52.6	ug/L	95		1		70 (40)	130 (151)	20 (20)
Fluoranthene	52.6	2.30	51.6	ug/L	94		1		70 (42)	130 (146)	20 (20)
Pyrene	52.6	3.00	50.1	ug/L	90		2		70 (41)	130 (149)	20 (20)
Butylbenzylphthalate	52.6	0	52.0	ug/L	99		0		70 (39)	130 (155)	20 (20)
3,3-Dichlorobenzidine	52.6	0	43.4	ug/L	83		2		70 (10)	130 (114)	20 (20)
Benzo(a)anthracene	52.6	0	49.9	ug/L	95		1		70 (41)	130 (147)	20 (20)
Chrysene	52.6	0	51.2	ug/L	97		0		70 (44)	130 (144)	20 (20)
bis(2-Ethylhexyl)phthalate	52.6	0	49.7	ug/L	94		0		70 (33)	130 (160)	20 (20)
Di-n-octyl phthalate	52.6	0	52.0	ug/L	99		0		70 (36)	130 (158)	20 (20)
Benzo(b)fluoranthene	52.6	0	50.4	ug/L	96		1		70 (40)	130 (150)	20 (20)
Benzo(k)fluoranthene	52.6	0	49.6	ug/L	94		1		70 (40)	130 (147)	20 (20)
Benzo(a)pyrene	52.6	0	49.8	ug/L	95		1		70 (42)	130 (147)	20 (20)
Indeno(1,2,3-cd)pyrene	52.6	0	50.9	ug/L	97		0		70 (30)	130 (166)	20 (20)
Dibenz(a,h)anthracene	52.6	0	51.6	ug/L	98		1		70 (23)	130 (172)	20 (20)
Benzo(g,h,i)perylene	52.6	0	50.6	ug/L	96		1		70 (27)	130 (167)	20 (20)
1,2,4,5-Tetrachlorobenzene	52.6	0	49.8	ug/L	95		2		70 (89)	130 (102)	20 (20)
1,4-Dioxane	52.6	0	21.8	ug/L	41		0		20 (38)	160 (130)	20 (20)
2,3,4,6-Tetrachlorophenol	52.6	0	50.6	ug/L	96		3		70 (91)	130 (111)	20 (20)

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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.: Q2934 **Analytical Method:** 8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025581.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169362BS	Benzaldehyde	50	22.9	ug/L	46				20 (10)	160 (162)	
	Phenol	50	41.7	ug/L	83				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	40.1	ug/L	80				70 (62)	130 (103)	
	2-Chlorophenol	50	41.6	ug/L	83				70 (70)	130 (117)	
	2-Methylphenol	50	41.0	ug/L	82				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	39.7	ug/L	79				70 (65)	130 (100)	
	Acetophenone	50	39.8	ug/L	80				70 (60)	130 (104)	
	3+4-Methylphenols	50	39.8	ug/L	80				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	36.5	ug/L	73				70 (57)	130 (107)	
	Hexachloroethane	50	40.3	ug/L	81				20 (76)	160 (118)	
	Nitrobenzene	50	41.1	ug/L	82				70 (58)	130 (106)	
	Isophorone	50	39.2	ug/L	78				70 (61)	130 (102)	
	2-Nitrophenol	50	42.7	ug/L	85				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	42.3	ug/L	85				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	40.1	ug/L	80				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	43.3	ug/L	87				70 (66)	130 (115)	
	Naphthalene	50	39.7	ug/L	79				70 (64)	130 (107)	
	4-Chloroaniline	50	23.9	ug/L	48		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	40.8	ug/L	82				70 (69)	130 (101)	
	Caprolactam	50	39.6	ug/L	79				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	42.3	ug/L	85				70 (65)	130 (114)	
	2-Methylnaphthalene	50	39.4	ug/L	79				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	81.0	ug/L	81				20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	44.1	ug/L	88				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	44.6	ug/L	89				70 (70)	130 (106)	
	1,1-Biphenyl	50	41.8	ug/L	84				70 (72)	130 (98)	
	2-Chloronaphthalene	50	40.9	ug/L	82				70 (59)	130 (106)	
	2-Nitroaniline	50	44.0	ug/L	88				70 (73)	130 (114)	
	Dimethylphthalate	50	41.0	ug/L	82				70 (64)	130 (103)	
	Acenaphthylene	50	40.9	ug/L	82				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	43.4	ug/L	87				70 (64)	130 (110)	
	3-Nitroaniline	50	31.2	ug/L	62		*		70 (28)	130 (100)	
	Acenaphthene	50	39.5	ug/L	79				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	100	ug/L	100				20 (36)	160 (166)	
	4-Nitrophenol	100	82.1	ug/L	82				20 (45)	160 (147)	
	Dibenzofuran	50	40.2	ug/L	80				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	43.7	ug/L	87				70 (60)	130 (115)	
	Diethylphthalate	50	41.5	ug/L	83				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	40.1	ug/L	80				70 (61)	130 (104)	
	Fluorene	50	40.2	ug/L	80				70 (64)	130 (107)	
	4-Nitroaniline	50	41.1	ug/L	82				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	46.7	ug/L	93				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	42.8	ug/L	86				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	42.2	ug/L	84				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2934 **Analytical Method:** 8270E

Client: Portal Partners Tri-Venture **DataFile:** BP025581.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169362BS	Hexachlorobenzene	50	42.0	ug/L	84				70 (73)	130 (106)	
	Atrazine	50	41.7	ug/L	83				70 (76)	130 (120)	
	Pentachlorophenol	100	86.9	ug/L	87				20 (47)	160 (114)	
	Phenanthrene	50	40.9	ug/L	82				70 (62)	130 (109)	
	Anthracene	50	41.4	ug/L	83				70 (65)	130 (110)	
	Carbazole	50	40.8	ug/L	82				70 (62)	130 (106)	
	Di-n-butylphthalate	50	41.6	ug/L	83				70 (64)	130 (106)	
	Fluoranthene	50	40.0	ug/L	80				70 (64)	130 (110)	
	Pyrene	50	43.4	ug/L	87				70 (71)	130 (103)	
	Butylbenzylphthalate	50	44.3	ug/L	89				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	31.9	ug/L	64		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	42.2	ug/L	84				70 (62)	130 (107)	
	Chrysene	50	41.7	ug/L	83				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	42.7	ug/L	85				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	43.7	ug/L	87				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	41.7	ug/L	83				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	41.8	ug/L	84				70 (77)	130 (105)	
	Benzo(a)pyrene	50	41.6	ug/L	83				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	41.4	ug/L	83				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	41.8	ug/L	84				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	41.4	ug/L	83				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	42.0	ug/L	84				70 (72)	130 (101)	
	1,4-Dioxane	50	34.9	ug/L	70				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	43.0	ug/L	86				70 (63)	130 (116)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169362BL

Lab Name: Alliance | Contract: PORT06

Lab Code: ACE | SDG NO.: Q2934

Lab File ID: BP025562.D | Lab Sample ID: PB169362BL

Instrument ID: BNA_P | Date Extracted: 08/22/2025

Matrix: (soil/water) Water | Date Analyzed: 08/25/2025

Level: (low/med) LOW | Time Analyzed: 12:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169362BS	PB169362BS	BP025581.D	08/26/2025
MW-201-082025MS	Q2924-03MS	BP025602.D	08/27/2025
MW-201-082025MSD	Q2924-04MSD	BP025603.D	08/27/2025
ENV-SW01	Q2934-01	BP025553.D	08/22/2025
ENV-SW02	Q2934-02	BP025554.D	08/22/2025
ENV-SW03	Q2934-03	BP025555.D	08/22/2025
ENV-SW04	Q2934-04	BP025556.D	08/22/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2934

Lab File ID: BP025390.D DFTPP Injection Date: 08/14/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
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
365	Greater than 1% of mass 198	4.4
441	Present, but less than mass 443	81.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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	BP025392.D	08/14/2025	12:33
SSTDICC005	SSTDICC005	BP025393.D	08/14/2025	13:15
SSTDICC010	SSTDICC010	BP025394.D	08/14/2025	13:56
SSTDICC020	SSTDICC020	BP025395.D	08/14/2025	14:38
SSTDICCC040	SSTDICCC040	BP025396.D	08/14/2025	15:19
SSTDICC050	SSTDICC050	BP025397.D	08/14/2025	16:01
SSTDICC060	SSTDICC060	BP025398.D	08/14/2025	16:42
SSTDICC080	SSTDICC080	BP025399.D	08/14/2025	17:24

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2934

Lab File ID: BP025543.D DFTPP Injection Date: 08/22/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	78.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025544.D	08/22/2025	10:49
ENV-SW01	Q2934-01	BP025553.D	08/22/2025	17:39
ENV-SW02	Q2934-02	BP025554.D	08/22/2025	18:20
ENV-SW03	Q2934-03	BP025555.D	08/22/2025	19:02
ENV-SW04	Q2934-04	BP025556.D	08/22/2025	19:43

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2934

Lab File ID: BP025560.D DFTPP Injection Date: 08/25/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.3) 1
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	6.6
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	80.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (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	BP025561.D	08/25/2025	12:13
PB169362BL	PB169362BL	BP025562.D	08/25/2025	12:54

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2934

Lab File ID: BP025578.D DFTPP Injection Date: 08/26/2025

Instrument ID: BNA_P DFTPP Injection Time: 08:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
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	6.8
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	78.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025579.D	08/26/2025	10:21
PB169362BS	PB169362BS	BP025581.D	08/26/2025	11:44

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2934

Lab File ID: BP025595.D DFTPP Injection Date: 08/27/2025

Instrument ID: BNA_P DFTPP Injection Time: 08:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
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	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	79.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP025596.D	08/27/2025	09:39
MW-201-082025MS	Q2924-03MS	BP025602.D	08/27/2025	14:18
MW-201-082025MSD	Q2924-04MSD	BP025603.D	08/27/2025	15:00

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2934

Client ID : SSTDCCC040 Date Analyzed: 08/22/2025

Lab File ID: BP025544.D Time Analyzed: 10:49

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	137158	7.778	591885	10.55	400784	14.39
	UPPER LIMIT	274316	8.278	1183770	11.048	801568	14.889
	LOWER LIMIT	68579	7.278	295943	10.048	200392	13.889
	EPA SAMPLE NO.						
01	ENV-SW01	164036	7.78	640301	10.54	399889	14.40
02	ENV-SW02	160345	7.78	629322	10.54	401606	14.38
03	ENV-SW03	170537	7.78	719655	10.54	487572	14.39
04	ENV-SW04	193608	7.78	812188	10.55	530149	14.39

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: Alliance

Lab Code: ACE SDG NO.: Q2934

Client ID: SSTDCCC040 Date Analyzed: 08/22/2025

Lab File ID: BP025544.D Time Analyzed: 10:49

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	833863	17.189	897419	21.624	1034530	24.989
	UPPER LIMIT	1667730	17.689	1794840	22.124	2069060	25.489
	LOWER LIMIT	416932	16.689	448710	21.124	517265	24.489
	EPA SAMPLE NO.						
01	ENV-SW01	848268	17.20	933136	21.63	1075180	25.00
02	ENV-SW02	846616	17.18	933681	21.62	1099740	24.98
03	ENV-SW03	1036600	17.19	1087230	21.63	1183120	24.99
04	ENV-SW04	1097910	17.19	1088350	21.62	1208910	24.98

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: Alliance

Lab Code: ACE SDG NO.: Q2934

Client ID : SSTDCCC040 Date Analyzed: 08/25/2025

Lab File ID: BP025561.D Time Analyzed: 12:13

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	176050	7.766	715069	10.54	441846	14.39
	UPPER LIMIT	352100	8.266	1430140	11.037	883692	14.89
	LOWER LIMIT	88025	7.266	357535	10.037	220923	13.89
	EPA SAMPLE NO.						
01	PB169362BL	173347	7.78	665603	10.54	424932	14.39

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: Alliance

Lab Code: ACE SDG NO.: Q2934

Client ID: SSTDCCC040 Date Analyzed: 08/25/2025

Lab File ID: BP025561.D Time Analyzed: 12:13

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	900532	17.189	945335	21.63	1072630	25.001
	UPPER LIMIT	1801060	17.689	1890670	22.13	2145260	25.501
	LOWER LIMIT	450266	16.689	472668	21.13	536315	24.501
	EPA SAMPLE NO.						
01	PB169362BL	890876	17.19	1139400	21.63	1287990	25.00

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: Alliance

Lab Code: ACE SDG NO.: Q2934

Client ID : SSTDCCC040 Date Analyzed: 08/26/2025

Lab File ID: BP025579.D Time Analyzed: 10:21

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	235051	7.778	932609	10.55	572065	14.39
	UPPER LIMIT	470102	8.278	1865220	11.049	1144130	14.89
	LOWER LIMIT	117526	7.278	466305	10.049	286033	13.89
	EPA SAMPLE NO.						
01	PB169362BS	256194	7.78	1004580	10.55	636349	14.41

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: Alliance

Lab Code: ACE SDG NO.: Q2934

Client ID: SSTDCCC040 Date Analyzed: 08/26/2025

Lab File ID: BP025579.D Time Analyzed: 10:21

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1130980	17.195	1110360	21.636	1292920	24.995
	UPPER LIMIT	2261960	17.695	2220720	22.136	2585840	25.495
	LOWER LIMIT	565490	16.695	555180	21.136	646460	24.495
	EPA SAMPLE NO.						
01	PB169362BS	1239650	17.20	1177570	21.63	1318340	24.99

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: Alliance

Lab Code: ACE SDG NO.: Q2934

Client ID : SSTDCCC040 Date Analyzed: 08/27/2025

Lab File ID: BP025596.D Time Analyzed: 09:39

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	161611	7.778	681785	10.54	463868	14.40
	UPPER LIMIT	323222	8.278	1363570	11.043	927736	14.896
	LOWER LIMIT	80805.5	7.278	340893	10.043	231934	13.896
	EPA SAMPLE NO.						
01	MW-201-082025MS	177033	7.78	389081	10.57	432672	14.39
02	MW-201-082025MSD	165573	7.78	358938	10.57	417829	14.40

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: Alliance

Lab Code: ACE SDG NO.: Q2934

Client ID: SSTDCCC040 Date Analyzed: 08/27/2025

Lab File ID: BP025596.D Time Analyzed: 09:39

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	978179	17.207	1036720	21.642	1177640	25.001
	UPPER LIMIT	1956360	17.707	2073440	22.142	2355280	25.501
	LOWER LIMIT	489090	16.707	518360	21.142	588820	24.501
	EPA SAMPLE NO.						
01	MW-201-082025MS	850262	17.19	903685	21.64	1056320	25.00
02	MW-201-082025MSD	814298	17.20	887974	21.64	1057490	25.01

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BL	SDG No.:	Q2934
Lab Sample ID:	PB169362BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025562.D	1	08/22/25 10:34	08/25/25 12:54	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BL	SDG No.:	Q2934
Lab Sample ID:	PB169362BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025562.D	1	08/22/25 10:34	08/25/25 12:54	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BL	SDG No.:	Q2934
Lab Sample ID:	PB169362BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025562.D	1	08/22/25 10:34	08/25/25 12:54	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	125		15 (23) - 110 (138)	83%	SPK: 150
13127-88-3	Phenol-d6	120		15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.8		30 (67) - 130 (132)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.3		30 (52) - 130 (132)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		15 (44) - 110 (137)	82%	SPK: 150
1718-51-0	Terphenyl-d14	70.1		30 (42) - 130 (152)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	173000	7.778			
1146-65-2	Naphthalene-d8	666000	10.543			
15067-26-2	Acenaphthene-d10	425000	14.389			
1517-22-2	Phenanthrene-d10	891000	17.189			
1719-03-5	Chrysene-d12	1140000	21.63			
1520-96-3	Perylene-d12	1290000	25.001			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.70	A		4.94	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BL	SDG No.:	Q2934
Lab Sample ID:	PB169362BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025562.D	1	08/22/25 10:34	08/25/25 12:54	PB169362

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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BS	SDG No.:	Q2934
Lab Sample ID:	PB169362BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025581.D	1	08/22/25 10:34	08/26/25 11:44	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	22.9		3.90	10.0	ug/L
108-95-2	Phenol	41.7		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.1		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	41.6		0.58	5.00	ug/L
95-48-7	2-Methylphenol	41.0		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.7		1.30	5.00	ug/L
98-86-2	Acetophenone	39.8		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	39.8		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	36.5		1.40	2.50	ug/L
67-72-1	Hexachloroethane	40.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	41.1		0.76	5.00	ug/L
78-59-1	Isophorone	39.2		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	42.7		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	42.3		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40.1		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.3		0.52	5.00	ug/L
91-20-3	Naphthalene	39.7		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	23.9		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.8		0.54	5.00	ug/L
105-60-2	Caprolactam	39.6		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	42.3		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	39.4		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	81.0	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.1		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.6		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	41.8		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	40.9		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	44.0		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	41.0		0.61	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BS	SDG No.:	Q2934
Lab Sample ID:	PB169362BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025581.D	1	08/22/25 10:34	08/26/25 11:44	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	40.9		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.4		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	31.2		1.10	5.00	ug/L
83-32-9	Acenaphthene	39.5		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	82.1	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	40.2		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	43.7		1.20	5.00	ug/L
84-66-2	Diethylphthalate	41.5		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	40.1		0.68	5.00	ug/L
86-73-7	Fluorene	40.2		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	41.1		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	46.7		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	42.8		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	42.2		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	42.0		0.52	5.00	ug/L
1912-24-9	Atrazine	41.7		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	86.9	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	40.9		0.50	5.00	ug/L
120-12-7	Anthracene	41.4		0.61	5.00	ug/L
86-74-8	Carbazole	40.8		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.6		1.20	5.00	ug/L
206-44-0	Fluoranthene	40.0		0.82	5.00	ug/L
129-00-0	Pyrene	43.4		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	44.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	31.9		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	42.2		0.45	5.00	ug/L
218-01-9	Chrysene	41.7		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42.7		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.7		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	41.7		0.49	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169362BS	SDG No.:	Q2934
Lab Sample ID:	PB169362BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025581.D	1	08/22/25 10:34	08/26/25 11:44	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	41.8		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	41.6		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	41.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	41.8		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	41.4		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.0		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	34.9		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.0		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	116		15 (23) - 110 (138)	77%	SPK: 150
13127-88-3	Phenol-d6	113		15 (10) - 110 (134)	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.1		30 (67) - 130 (132)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.9		30 (52) - 130 (132)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		15 (44) - 110 (137)	80%	SPK: 150
1718-51-0	Terphenyl-d14	75.5		30 (42) - 130 (152)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	256000	7.778			
1146-65-2	Naphthalene-d8	1000000	10.549			
15067-26-2	Acenaphthene-d10	636000	14.407			
1517-22-2	Phenanthrene-d10	1240000	17.195			
1719-03-5	Chrysene-d12	1180000	21.63			
1520-96-3	Perylene-d12	1320000	24.989			

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:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MS	SDG No.:	Q2934
Lab Sample ID:	Q2924-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	970 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025602.D	1	08/22/25 10:34	08/27/25 14:18	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	38.4		4.00	10.3	ug/L
108-95-2	Phenol	16.0		0.94	5.20	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.3		0.84	5.20	ug/L
95-57-8	2-Chlorophenol	39.6		0.60	5.20	ug/L
95-48-7	2-Methylphenol	33.8		1.20	5.20	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	17.1		1.30	5.20	ug/L
98-86-2	Acetophenone	87.5	E	0.76	5.20	ug/L
65794-96-9	3+4-Methylphenols	40.9		1.10	10.3	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.2		1.50	2.60	ug/L
67-72-1	Hexachloroethane	93.2	E	0.67	5.20	ug/L
98-95-3	Nitrobenzene	85.8	E	0.78	5.20	ug/L
78-59-1	Isophorone	81.7		0.77	5.20	ug/L
88-75-5	2-Nitrophenol	86.6	E	1.80	5.20	ug/L
105-67-9	2,4-Dimethylphenol	75.6		1.90	5.20	ug/L
111-91-1	bis(2-Chloroethoxy)methane	70.3		0.70	5.20	ug/L
120-83-2	2,4-Dichlorophenol	80.6		0.54	5.20	ug/L
91-20-3	Naphthalene	2700	E	0.52	5.20	ug/L
106-47-8	4-Chloroaniline	28.5		0.87	5.20	ug/L
87-68-3	Hexachlorobutadiene	71.5		0.56	5.20	ug/L
105-60-2	Caprolactam	16.7		1.20	10.3	ug/L
59-50-7	4-Chloro-3-methylphenol	76.5		0.61	5.20	ug/L
91-57-6	2-Methylnaphthalene	800	E	0.58	5.20	ug/L
77-47-4	Hexachlorocyclopentadiene	79.7		3.70	10.3	ug/L
88-06-2	2,4,6-Trichlorophenol	50.2		0.53	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	49.4		0.64	5.20	ug/L
92-52-4	1,1-Biphenyl	69.6		0.55	5.20	ug/L
91-58-7	2-Chloronaphthalene	48.9		0.63	5.20	ug/L
88-74-4	2-Nitroaniline	54.1		1.30	5.20	ug/L
131-11-3	Dimethylphthalate	48.7		0.63	5.20	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MS	SDG No.:	Q2934
Lab Sample ID:	Q2924-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	970 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025602.D	1	08/22/25 10:34	08/27/25 14:18	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	190	E	0.77	5.20	ug/L
606-20-2	2,6-Dinitrotoluene	51.4		0.95	5.20	ug/L
99-09-2	3-Nitroaniline	31.7		1.10	5.20	ug/L
83-32-9	Acenaphthene	54.7		0.57	5.20	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.20	10.3	ug/L
100-02-7	4-Nitrophenol	42.0		2.50	10.3	ug/L
132-64-9	Dibenzofuran	51.3		0.63	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	53.3		1.30	5.20	ug/L
84-66-2	Diethylphthalate	50.3		0.71	5.20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48.5		0.70	5.20	ug/L
86-73-7	Fluorene	67.1		0.65	5.20	ug/L
100-01-6	4-Nitroaniline	48.5		1.50	5.20	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.1		3.00	10.3	ug/L
86-30-6	n-Nitrosodiphenylamine	51.1		0.60	5.20	ug/L
101-55-3	4-Bromophenyl-phenylether	51.5		0.41	5.20	ug/L
118-74-1	Hexachlorobenzene	52.5		0.54	5.20	ug/L
1912-24-9	Atrazine	47.8		1.00	5.20	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.3	ug/L
85-01-8	Phenanthrene	65.4		0.52	5.20	ug/L
120-12-7	Anthracene	53.4		0.63	5.20	ug/L
86-74-8	Carbazole	61.7		0.74	5.20	ug/L
84-74-2	Di-n-butylphthalate	51.3		1.30	5.20	ug/L
206-44-0	Fluoranthene	51.0		0.85	5.20	ug/L
129-00-0	Pyrene	50.5		0.52	5.20	ug/L
85-68-7	Butylbenzylphthalate	51.2		2.00	5.20	ug/L
91-94-1	3,3-Dichlorobenzidine	41.5		0.96	10.3	ug/L
56-55-3	Benzo(a)anthracene	49.5		0.46	5.20	ug/L
218-01-9	Chrysene	50.0		0.45	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.4		1.60	5.20	ug/L
117-84-0	Di-n-octyl phthalate	51.0		2.40	10.3	ug/L
205-99-2	Benzo(b)fluoranthene	50.0		0.51	5.20	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MS	SDG No.:	Q2934
Lab Sample ID:	Q2924-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	970 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025602.D	1	08/22/25 10:34	08/27/25 14:18	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	49.1		0.49	5.20	ug/L
50-32-8	Benzo(a)pyrene	49.3		0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.1		0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.0		0.69	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	50.2		0.71	5.20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	50.1		0.54	5.20	ug/L
123-91-1	1,4-Dioxane	21.2		1.00	5.20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	51.1		0.74	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.6		15 (23) - 110 (138)	45%	SPK: 150
13127-88-3	Phenol-d6	41.4		15 (10) - 110 (134)	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	148	*	30 (67) - 130 (132)	148%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.6		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		15 (44) - 110 (137)	92%	SPK: 150
1718-51-0	Terphenyl-d14	76.9		30 (42) - 130 (152)	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	177000	7.784			
1146-65-2	Naphthalene-d8	389000	10.566			
15067-26-2	Acenaphthene-d10	433000	14.389			
1517-22-2	Phenanthrene-d10	850000	17.189			
1719-03-5	Chrysene-d12	904000	21.636			
1520-96-3	Perylene-d12	1060000	25.001			

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:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MSD	SDG No.:	Q2934
Lab Sample ID:	Q2924-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	950 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025603.D	1	08/22/25 10:34	08/27/25 15:00	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	37.7		4.10	10.5	ug/L
108-95-2	Phenol	16.4		0.96	5.30	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.2		0.85	5.30	ug/L
95-57-8	2-Chlorophenol	39.6		0.61	5.30	ug/L
95-48-7	2-Methylphenol	34.5		1.20	5.30	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	18.4		1.30	5.30	ug/L
98-86-2	Acetophenone	90.6	E	0.78	5.30	ug/L
65794-96-9	3+4-Methylphenols	41.7		1.20	10.5	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.2		1.50	2.60	ug/L
67-72-1	Hexachloroethane	96.9	E	0.68	5.30	ug/L
98-95-3	Nitrobenzene	89.1	E	0.80	5.30	ug/L
78-59-1	Isophorone	85.0	E	0.79	5.30	ug/L
88-75-5	2-Nitrophenol	90.4	E	1.90	5.30	ug/L
105-67-9	2,4-Dimethylphenol	78.4		1.90	5.30	ug/L
111-91-1	bis(2-Chloroethoxy)methane	75.2		0.72	5.30	ug/L
120-83-2	2,4-Dichlorophenol	85.1	E	0.55	5.30	ug/L
91-20-3	Naphthalene	3000	E	0.53	5.30	ug/L
106-47-8	4-Chloroaniline	31.3		0.88	5.30	ug/L
87-68-3	Hexachlorobutadiene	74.8		0.57	5.30	ug/L
105-60-2	Caprolactam	17.0		1.20	10.5	ug/L
59-50-7	4-Chloro-3-methylphenol	79.4		0.62	5.30	ug/L
91-57-6	2-Methylnaphthalene	850	E	0.59	5.30	ug/L
77-47-4	Hexachlorocyclopentadiene	76.9		3.80	10.5	ug/L
88-06-2	2,4,6-Trichlorophenol	50.2		0.54	5.30	ug/L
95-95-4	2,4,5-Trichlorophenol	49.9		0.65	5.30	ug/L
92-52-4	1,1-Biphenyl	70.0		0.56	5.30	ug/L
91-58-7	2-Chloronaphthalene	48.9		0.64	5.30	ug/L
88-74-4	2-Nitroaniline	53.9		1.30	5.30	ug/L
131-11-3	Dimethylphthalate	47.8		0.64	5.30	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MSD	SDG No.:	Q2934
Lab Sample ID:	Q2924-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	950 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025603.D	1	08/22/25 10:34	08/27/25 15:00	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	190	E	0.79	5.30	ug/L
606-20-2	2,6-Dinitrotoluene	51.3		0.97	5.30	ug/L
99-09-2	3-Nitroaniline	32.4		1.10	5.30	ug/L
83-32-9	Acenaphthene	53.5		0.58	5.30	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.30	10.5	ug/L
100-02-7	4-Nitrophenol	42.7		2.50	10.5	ug/L
132-64-9	Dibenzofuran	51.2		0.64	5.30	ug/L
121-14-2	2,4-Dinitrotoluene	52.5		1.30	5.30	ug/L
84-66-2	Diethylphthalate	48.9		0.73	5.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48.5		0.72	5.30	ug/L
86-73-7	Fluorene	68.0		0.66	5.30	ug/L
100-01-6	4-Nitroaniline	49.4		1.60	5.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.7		3.00	10.5	ug/L
86-30-6	n-Nitrosodiphenylamine	50.5		0.61	5.30	ug/L
101-55-3	4-Bromophenyl-phenylether	52.0		0.42	5.30	ug/L
118-74-1	Hexachlorobenzene	52.3		0.55	5.30	ug/L
1912-24-9	Atrazine	48.5		1.10	5.30	ug/L
87-86-5	Pentachlorophenol	110	E	1.70	10.5	ug/L
85-01-8	Phenanthrene	67.2		0.53	5.30	ug/L
120-12-7	Anthracene	53.2		0.64	5.30	ug/L
86-74-8	Carbazole	63.5		0.76	5.30	ug/L
84-74-2	Di-n-butylphthalate	52.6		1.30	5.30	ug/L
206-44-0	Fluoranthene	51.6		0.86	5.30	ug/L
129-00-0	Pyrene	50.1		0.53	5.30	ug/L
85-68-7	Butylbenzylphthalate	52.0		2.00	5.30	ug/L
91-94-1	3,3-Dichlorobenzidine	43.4		0.98	10.5	ug/L
56-55-3	Benzo(a)anthracene	49.9		0.47	5.30	ug/L
218-01-9	Chrysene	51.2		0.46	5.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.7		1.70	5.30	ug/L
117-84-0	Di-n-octyl phthalate	52.0		2.50	10.5	ug/L
205-99-2	Benzo(b)fluoranthene	50.4		0.52	5.30	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/20/25
Client Sample ID:	MW-201-082025MSD	SDG No.:	Q2934
Lab Sample ID:	Q2924-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	950 Units: mL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP025603.D	1	08/22/25 10:34	08/27/25 15:00	PB169362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	49.6		0.51	5.30	ug/L
50-32-8	Benzo(a)pyrene	49.8		0.58	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.9		0.62	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.6		0.71	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	50.6		0.73	5.30	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.8		0.55	5.30	ug/L
123-91-1	1,4-Dioxane	21.8		1.10	5.30	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.6		0.76	5.30	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.4		15 (23) - 110 (138)	45%	SPK: 150
13127-88-3	Phenol-d6	41.4		15 (10) - 110 (134)	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	149	*	30 (67) - 130 (132)	149%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		15 (44) - 110 (137)	90%	SPK: 150
1718-51-0	Terphenyl-d14	76.2		30 (42) - 130 (152)	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	166000	7.778			
1146-65-2	Naphthalene-d8	359000	10.566			
15067-26-2	Acenaphthene-d10	418000	14.401			
1517-22-2	Phenanthrene-d10	814000	17.201			
1719-03-5	Chrysene-d12	888000	21.636			
1520-96-3	Perylene-d12	1060000	25.007			

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 MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 14 18:14:31 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP025392.D 5 =BP025393.D 10 =BP025394.D 20 =BP025395.D 40 =BP025396.D 50 =BP025397.D 60 =BP025398.D 80 =BP0253
99.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.520	0.464	0.475	0.445	0.479	0.462	0.458	0.472	5.07
3)		Pyridine		1.446	1.250	1.256	1.220	1.317	1.281	1.268	1.291	5.77
4)		n-Nitrosodimet...			0.515	0.512	0.511	0.559	0.555	0.541	0.532	4.13
5)	S	2-Fluorophenol		1.232	1.177	1.194	1.162	1.240	1.226	1.199	1.204	2.42
6)		Aniline		2.098	1.962	2.030	2.020	2.194	2.164	2.094	2.080	3.96
7)	S	Phenol-d6		1.483	1.467	1.533	1.513	1.641	1.609	1.563	1.544	4.16
8)		2-Chlorophenol		1.351	1.283	1.347	1.313	1.428	1.414	1.378	1.359	3.83
9)		Benzaldehyde			0.987	0.956	1.366	1.262	1.005	0.915	1.082	17.12
10)	C	Phenol		1.594	1.529	1.613	1.575	1.707	1.688	1.635	1.620	3.87
11)		bis(2-Chloroet...		1.283	1.183	1.273	1.222	1.321	1.303	1.255	1.263	3.78
12)		1,3-Dichlorobe...		1.532	1.433	1.503	1.443	1.555	1.530	1.493	1.499	3.07
13)	C	1,4-Dichlorobe...		1.587	1.490	1.527	1.467	1.596	1.544	1.510	1.532	3.12
14)		1,2-Dichlorobe...		1.558	1.430	1.491	1.431	1.533	1.487	1.449	1.483	3.35
15)		Benzyl Alcohol			1.138	1.205	1.193	1.287	1.289	1.250	1.227	4.83
16)		2,2'-oxybis(1-...		1.762	1.592	1.712	1.620	1.751	1.740	1.665	1.692	3.96
17)		2-Methylphenol		1.075	1.030	1.123	1.107	1.198	1.191	1.154	1.125	5.41
18)		Hexachloroethane		0.577	0.544	0.552	0.545	0.588	0.578	0.559	0.563	3.13
19)	P	n-Nitroso-di-n...	1.014	1.066	0.959	1.056	0.992	1.053	1.042	1.000	1.023	3.68
20)		3+4-Methylphenols			1.442	1.533	1.525	1.639	1.640	1.580	1.560	4.87
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.515	0.487	0.506	0.485	0.523	0.506	0.488	0.502	2.96
23)	S	Nitrobenzene-d5		0.395	0.376	0.392	0.383	0.419	0.408	0.394	0.395	3.65
24)		Nitrobenzene		0.350	0.342	0.348	0.344	0.375	0.362	0.352	0.353	3.21
25)		Isophorone		0.734	0.672	0.700	0.674	0.730	0.709	0.680	0.700	3.70
26)	C	2-Nitrophenol		0.167	0.163	0.177	0.181	0.197	0.195	0.190	0.181	7.43
27)		2,4-Dimethylph...		0.303	0.303	0.296	0.308	0.336	0.325	0.313	0.312	4.46
28)		bis(2-Chloroet...		0.443	0.407	0.425	0.407	0.439	0.430	0.410	0.423	3.61
29)	C	2,4-Dichloroph...		0.293	0.293	0.308	0.305	0.331	0.324	0.314	0.310	4.71
30)		1,2,4-Trichlor...		0.357	0.329	0.335	0.327	0.354	0.344	0.332	0.340	3.61
31)		Naphthalene		1.069	1.020	1.037	1.000	1.087	1.052	1.011	1.040	3.06
32)		Benzoic acid			0.188	0.207	0.227	0.249	0.255	0.255	0.230	12.20
33)		4-Chloroaniline		0.453	0.435	0.447	0.452	0.492	0.478	0.458	0.459	4.19
34)	C	Hexachlorobuta...		0.222	0.205	0.211	0.205	0.218	0.213	0.207	0.211	3.05
35)		Caprolactam			0.114	0.110	0.109	0.120	0.116	0.113	0.114	3.67
36)	C	4-Chloro-3-met...		0.366	0.335	0.347	0.346	0.373	0.368	0.353	0.355	3.85
37)		2-Methylnaphth...		0.716	0.653	0.678	0.652	0.700	0.682	0.654	0.676	3.69
38)		1-Methylnaphth...		0.777	0.706	0.713	0.686	0.751	0.719	0.685	0.719	4.67

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.578	0.559	0.585	0.560	0.610	0.581	0.571	0.578	3.00
41)	P	Hexachlorocycl...		0.274	0.313	0.348	0.387	0.388	0.383	0.349	13.46
42)	S	2,4,6-Tribromo...	0.266	0.259	0.267	0.263	0.286	0.275	0.268	0.269	3.39
43)	C	2,4,6-Trichlor...	0.368	0.364	0.381	0.382	0.421	0.408	0.405	0.390	5.56
44)		2,4,5-Trichlor...	0.417	0.385	0.424	0.424	0.457	0.448	0.437	0.427	5.52
45)	S	2-Fluorobiphenyl	1.558	1.483	1.507	1.392	1.517	1.435	1.351	1.463	5.04
46)		1,1'-Biphenyl	1.495	1.418	1.457	1.408	1.537	1.445	1.407	1.453	3.37
47)		2-Chloronaphth...	1.152	1.093	1.144	1.101	1.184	1.142	1.100	1.131	2.99
48)		2-Nitroaniline	0.301	0.306	0.317	0.330	0.360	0.351	0.341	0.329	6.85
49)		Acenaphthylene	1.907	1.806	1.848	1.806	1.992	1.907	1.832	1.871	3.63
50)		Dimethylphthalate	1.569	1.449	1.438	1.403	1.512	1.479	1.403	1.465	4.12
51)		2,6-Dinitrotol...	0.297	0.287	0.302	0.309	0.331	0.323	0.311	0.309	4.95
52)	C	Acenaphthene	1.149	1.082	1.100	1.041	1.155	1.106	1.056	1.098	3.93
53)		3-Nitroaniline	0.318	0.329	0.337	0.342	0.384	0.367	0.354	0.347	6.56
54)	P	2,4-Dinitrophenol		0.114	0.140	0.163	0.186	0.192	0.194	0.165	19.83
55)		Dibenzofuran	1.820	1.711	1.737	1.677	1.811	1.729	1.672	1.736	3.40
56)	P	4-Nitrophenol		0.251	0.265	0.279	0.315	0.304	0.298	0.285	8.56
57)		2,4-Dinitrotol...	0.404	0.407	0.431	0.438	0.479	0.471	0.454	0.440	6.61
58)		Fluorene	1.506	1.391	1.390	1.306	1.415	1.330	1.253	1.370	6.02
59)		2,3,4,6-Tetrac...	0.375	0.360	0.366	0.368	0.402	0.392	0.379	0.377	4.01
60)		Diethylphthalate	1.615	1.475	1.465	1.434	1.540	1.459	1.430	1.488	4.48
61)		4-Chlorophenyl...	0.761	0.684	0.679	0.651	0.690	0.671	0.634	0.681	5.91
62)		4-Nitroaniline	0.341	0.336	0.349	0.351	0.387	0.370	0.359	0.356	4.89
63)		Azobenzene	1.315	1.226	1.274	1.237	1.341	1.301	1.227	1.274	3.62
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.096	0.113	0.123	0.139	0.139	0.138	0.125	14.21
66)	c	n-Nitrosodiphe...	0.636	0.603	0.607	0.591	0.634	0.605	0.594	0.610	2.99
67)		4-Bromophenyl-...	0.233	0.206	0.217	0.213	0.230	0.223	0.218	0.220	4.34
68)		Hexachlorobenzene	0.264	0.253	0.254	0.242	0.264	0.257	0.251	0.255	3.06
69)		Atrazine	0.229	0.226	0.228	0.218	0.240	0.229	0.229	0.228	2.74
70)	C	Pentachlorophenol		0.135	0.154	0.157	0.177	0.171	0.172	0.161	9.76
71)		Phenanthrene	1.162	1.101	1.111	1.040	1.135	1.085	1.057	1.099	3.88
72)		Anthracene	1.161	1.124	1.133	1.079	1.175	1.101	1.080	1.122	3.37
73)		Carbazole	1.079	1.052	1.074	1.007	1.111	1.053	1.022	1.057	3.32
74)		Di-n-butylphth...	1.345	1.255	1.332	1.244	1.374	1.285	1.265	1.300	3.86
75)	C	Fluoranthene	1.370	1.323	1.348	1.228	1.361	1.286	1.258	1.311	4.13
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.642	0.642	0.967	0.664	0.608	0.573	0.683	20.94
78)		Pyrene	1.398	1.261	1.287	1.274	1.320	1.319	1.241	1.300	4.00
79)	S	Terphenyl-d14	1.249	1.100	1.097	1.045	1.100	1.061	0.999	1.093	7.15
80)		Butylbenzylpht...	0.589	0.557	0.592	0.579	0.614	0.616	0.578	0.589	3.55
81)		Benzo(a)anthra...	1.384	1.302	1.313	1.268	1.359	1.333	1.275	1.319	3.21
82)		3,3'-Dichlorob...		0.482	0.507	0.488	0.521	0.506	0.480	0.497	3.31
83)		Chrysene	1.292	1.214	1.249	1.182	1.280	1.243	1.186	1.235	3.49
84)		Bis(2-ethylhex...	0.907	0.826	0.874	0.831	0.901	0.882	0.850	0.867	3.73
85)	c	Di-n-octyl pht...		1.381	1.498	1.444	1.572	1.563	1.491	1.492	4.84

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.454	1.385	1.440	1.411	1.569	1.522	1.486	1.467	4.36
88)		Benzo(b)fluora...	1.203	1.126	1.171	1.134	1.250	1.197	1.175	1.179	3.60
89)		Benzo(k)fluora...	1.202	1.157	1.200	1.130	1.226	1.206	1.141	1.180	3.16
90)	C	Benzo(a)pyrene	1.139	1.093	1.150	1.108	1.219	1.185	1.141	1.148	3.77
91)		Dibenzo(a,h)an...	1.180	1.125	1.179	1.156	1.290	1.244	1.216	1.199	4.64
92)		Benzo(g,h,i)pe...	1.162	1.118	1.169	1.138	1.248	1.220	1.192	1.178	3.86

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2934

Instrument ID: BNA_P Calibration Date/Time: 08/22/2025 10:49

Lab File ID: BP025544.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.201		-0.2	
Benzaldehyde	1.082	1.377		27.3	
Phenol-d6	1.544	1.586		2.7	
Phenol	1.620	1.656		2.2	20.0
bis(2-Chloroethyl)ether	1.263	1.266		0.2	
2-Chlorophenol	1.359	1.376		1.3	
2-Methylphenol	1.125	1.147		2.0	
2,2-oxybis(1-Chloropropane)	1.692	1.738		2.7	
Acetophenone	0.502	0.494		-1.6	
3+4-Methylphenols	1.560	1.584		1.5	
n-Nitroso-di-n-propylamine	1.023	1.030	0.050	0.7	
Nitrobenzene-d5	0.395	0.396		0.3	
Hexachloroethane	0.563	0.554		-1.6	
Nitrobenzene	0.353	0.357		1.1	
Isophorone	0.700	0.697		-0.4	
2-Nitrophenol	0.181	0.184		1.7	20.0
2,4-Dimethylphenol	0.312	0.307		-1.6	
bis(2-Chloroethoxy)methane	0.423	0.416		-1.7	
2,4-Dichlorophenol	0.310	0.307		-1.0	20.0
Naphthalene	1.040	1.006		-3.3	
4-Chloroaniline	0.459	0.460		0.2	
Hexachlorobutadiene	0.211	0.200		-5.2	20.0
Caprolactam	0.114	0.124		8.8	
4-Chloro-3-methylphenol	0.355	0.364		2.5	20.0
2-Methylnaphthalene	0.676	0.652		-3.5	
Hexachlorocyclopentadiene	0.349	0.397	0.050	13.8	
2,4,6-Trichlorophenol	0.390	0.387		-0.8	20.0
2-Fluorobiphenyl	1.463	1.364		-6.8	
2,4,5-Trichlorophenol	0.427	0.430		0.7	
1,1-Biphenyl	1.453	1.392		-4.2	
2-Chloronaphthalene	1.131	1.080		-4.5	
2-Nitroaniline	0.329	0.351		6.7	
Dimethylphthalate	1.465	1.455		-0.7	
Acenaphthylene	1.871	1.834		-2.0	
2,6-Dinitrotoluene	0.309	0.324		4.9	
3-Nitroaniline	0.347	0.370		6.6	
Acenaphthene	1.098	1.042		-5.1	20.0
2,4-Dinitrophenol	0.165	0.228	0.050	38.2	
4-Nitrophenol	0.285	0.311	0.050	9.1	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2934

Instrument ID: BNA_P Calibration Date/Time: 08/22/2025 10:49

Lab File ID: BP025544.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.669		-3.9	
2,4-Dinitrotoluene	0.440	0.471		7.0	
Diethylphthalate	1.488	1.520		2.2	
4-Chlorophenyl-phenylether	0.681	0.653		-4.1	
Fluorene	1.370	1.350		-1.5	
4-Nitroaniline	0.356	0.382		7.3	
4,6-Dinitro-2-methylphenol	0.125	0.146		16.8	
n-Nitrosodiphenylamine	0.610	0.590		-3.3	20.0
2,4,6-Tribromophenol	0.269	0.273		1.5	
4-Bromophenyl-phenylether	0.220	0.209		-5.0	
Hexachlorobenzene	0.255	0.238		-6.7	
Atrazine	0.228	0.228		0.0	
Pentachlorophenol	0.161	0.169		5.0	20.0
Phenanthrene	1.099	1.058		-3.7	
Anthracene	1.122	1.113		-0.8	
Carbazole	1.057	1.064		0.7	
Di-n-butylphthalate	1.300	1.314		1.1	
Fluoranthene	1.311	1.296		-1.1	20.0
Pyrene	1.300	1.255		-3.5	
Terphenyl-d14	1.093	1.041		-4.8	
Butylbenzylphthalate	0.589	0.607		3.1	
3,3-Dichlorobenzidine	0.497	0.497		0.0	
Benzo(a)anthracene	1.319	1.273		-3.5	
Chrysene	1.235	1.201		-2.8	
Bis(2-ethylhexyl)phthalate	0.867	0.866		-0.1	
Di-n-octyl phthalate	1.492	1.541		3.3	20.0
Benzo(b)fluoranthene	1.179	1.115		-5.4	
Benzo(k)fluoranthene	1.180	1.139		-3.5	
Benzo(a)pyrene	1.148	1.107		-3.6	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.402		-4.4	
Dibenzo(a,h)anthracene	1.199	1.138		-5.1	
Benzo(g,h,i)perylene	1.178	1.141		-3.1	
1,2,4,5-Tetrachlorobenzene	0.578	0.548		-5.2	
1,4-Dioxane	0.472	0.461		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.381		1.1	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2934

Instrument ID: BNA_P Calibration Date/Time: 08/25/2025 12:13

Lab File ID: BP025561.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.230		2.2	
Benzaldehyde	1.082	1.338		23.7	
Phenol-d6	1.544	1.578		2.2	
Phenol	1.620	1.637		1.0	20.0
bis(2-Chloroethyl)ether	1.263	1.249		-1.1	
2-Chlorophenol	1.359	1.362		0.2	
2-Methylphenol	1.125	1.108		-1.5	
2,2-oxybis(1-Chloropropane)	1.692	1.716		1.4	
Acetophenone	0.502	0.490		-2.4	
3+4-Methylphenols	1.560	1.501		-3.8	
n-Nitroso-di-n-propylamine	1.023	0.970	0.050	-5.2	
Nitrobenzene-d5	0.395	0.399		1.0	
Hexachloroethane	0.563	0.547		-2.8	
Nitrobenzene	0.353	0.358		1.4	
Isophorone	0.700	0.668		-4.6	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.312	0.304		-2.6	
bis(2-Chloroethoxy)methane	0.423	0.405		-4.3	
2,4-Dichlorophenol	0.310	0.306		-1.3	20.0
Naphthalene	1.040	1.011		-2.8	
4-Chloroaniline	0.459	0.446		-2.8	
Hexachlorobutadiene	0.211	0.197		-6.6	20.0
Caprolactam	0.114	0.111		-2.6	
4-Chloro-3-methylphenol	0.355	0.342		-3.7	20.0
2-Methylnaphthalene	0.676	0.636		-5.9	
Hexachlorocyclopentadiene	0.349	0.387	0.050	10.9	
2,4,6-Trichlorophenol	0.390	0.396		1.5	20.0
2-Fluorobiphenyl	1.463	1.453		-0.7	
2,4,5-Trichlorophenol	0.427	0.435		1.9	
1,1-Biphenyl	1.453	1.456		0.2	
2-Chloronaphthalene	1.131	1.146		1.3	
2-Nitroaniline	0.329	0.351		6.7	
Dimethylphthalate	1.465	1.428		-2.5	
Acenaphthylene	1.871	1.872		0.1	
2,6-Dinitrotoluene	0.309	0.318		2.9	
3-Nitroaniline	0.347	0.364		4.9	
Acenaphthene	1.098	1.074		-2.2	20.0
2,4-Dinitrophenol	0.165	0.220	0.050	33.3	
4-Nitrophenol	0.285	0.297	0.050	4.2	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2934

Instrument ID: BNA_P Calibration Date/Time: 08/25/2025 12:13

Lab File ID: BP025561.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.714		-1.3	
2,4-Dinitrotoluene	0.440	0.461		4.8	
Diethylphthalate	1.488	1.451		-2.5	
4-Chlorophenyl-phenylether	0.681	0.659		-3.2	
Fluorene	1.370	1.353		-1.2	
4-Nitroaniline	0.356	0.380		6.7	
4,6-Dinitro-2-methylphenol	0.125	0.147		17.6	
n-Nitrosodiphenylamine	0.610	0.601		-1.5	20.0
2,4,6-Tribromophenol	0.269	0.270		0.4	
4-Bromophenyl-phenylether	0.220	0.213		-3.2	
Hexachlorobenzene	0.255	0.243		-4.7	
Atrazine	0.228	0.221		-3.1	
Pentachlorophenol	0.161	0.156		-3.1	20.0
Phenanthrene	1.099	1.083		-1.5	
Anthracene	1.122	1.113		-0.8	
Carbazole	1.057	1.061		0.4	
Di-n-butylphthalate	1.300	1.268		-2.5	
Fluoranthene	1.311	1.276		-2.7	20.0
Pyrene	1.300	1.273		-2.1	
Terphenyl-d14	1.093	1.041		-4.8	
Butylbenzylphthalate	0.589	0.574		-2.5	
3,3-Dichlorobenzidine	0.497	0.487		-2.0	
Benzo(a)anthracene	1.319	1.282		-2.8	
Chrysene	1.235	1.205		-2.4	
Bis(2-ethylhexyl)phthalate	0.867	0.799		-7.8	
Di-n-octyl phthalate	1.492	1.388		-7.0	20.0
Benzo(b)fluoranthene	1.179	1.144		-3.0	
Benzo(k)fluoranthene	1.180	1.167		-1.1	
Benzo(a)pyrene	1.148	1.140		-0.7	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.451		-1.1	
Dibenzo(a,h)anthracene	1.199	1.203		0.3	
Benzo(g,h,i)perylene	1.178	1.174		-0.3	
1,2,4,5-Tetrachlorobenzene	0.578	0.586		1.4	
1,4-Dioxane	0.472	0.466		-1.3	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.380		0.8	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2934

Instrument ID: BNA_P Calibration Date/Time: 08/26/2025 10:21

Lab File ID: BP025579.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.238		2.8	
Benzaldehyde	1.082	1.311		21.2	
Phenol-d6	1.544	1.536		-0.5	
Phenol	1.620	1.579		-2.5	20.0
bis(2-Chloroethyl)ether	1.263	1.232		-2.5	
2-Chlorophenol	1.359	1.354		-0.4	
2-Methylphenol	1.125	1.095		-2.7	
2,2-oxybis(1-Chloropropane)	1.692	1.682		-0.6	
Acetophenone	0.502	0.498		-0.8	
3+4-Methylphenols	1.560	1.460		-6.4	
n-Nitroso-di-n-propylamine	1.023	0.944	0.050	-7.7	
Nitrobenzene-d5	0.395	0.403		2.0	
Hexachloroethane	0.563	0.567		0.7	
Nitrobenzene	0.353	0.356		0.9	
Isophorone	0.700	0.679		-3.0	
2-Nitrophenol	0.181	0.189		4.4	20.0
2,4-Dimethylphenol	0.312	0.308		-1.3	
bis(2-Chloroethoxy)methane	0.423	0.409		-3.3	
2,4-Dichlorophenol	0.310	0.308		-0.6	20.0
Naphthalene	1.040	1.016		-2.3	
4-Chloroaniline	0.459	0.440		-4.1	
Hexachlorobutadiene	0.211	0.212		0.5	20.0
Caprolactam	0.114	0.106		-7.0	
4-Chloro-3-methylphenol	0.355	0.344		-3.1	20.0
2-Methylnaphthalene	0.676	0.650		-3.8	
Hexachlorocyclopentadiene	0.349	0.378	0.050	8.3	
2,4,6-Trichlorophenol	0.390	0.414		6.2	20.0
2-Fluorobiphenyl	1.463	1.454		-0.6	
2,4,5-Trichlorophenol	0.427	0.455		6.6	
1,1-Biphenyl	1.453	1.465		0.8	
2-Chloronaphthalene	1.131	1.145		1.2	
2-Nitroaniline	0.329	0.352		7.0	
Dimethylphthalate	1.465	1.457		-0.5	
Acenaphthylene	1.871	1.885		0.7	
2,6-Dinitrotoluene	0.309	0.317		2.6	
3-Nitroaniline	0.347	0.352		1.4	
Acenaphthene	1.098	1.071		-2.5	20.0
2,4-Dinitrophenol	0.165	0.206	0.050	24.8	
4-Nitrophenol	0.285	0.275	0.050	-3.5	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2934

Instrument ID: BNA_P Calibration Date/Time: 08/26/2025 10:21

Lab File ID: BP025579.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.708		-1.6	
2,4-Dinitrotoluene	0.440	0.449		2.0	
Diethylphthalate	1.488	1.476		-0.8	
4-Chlorophenyl-phenylether	0.681	0.673		-1.2	
Fluorene	1.370	1.330		-2.9	
4-Nitroaniline	0.356	0.360		1.1	
4,6-Dinitro-2-methylphenol	0.125	0.142		13.6	
n-Nitrosodiphenylamine	0.610	0.600		-1.6	20.0
2,4,6-Tribromophenol	0.269	0.279		3.7	
4-Bromophenyl-phenylether	0.220	0.223		1.4	
Hexachlorobenzene	0.255	0.259		1.6	
Atrazine	0.228	0.224		-1.8	
Pentachlorophenol	0.161	0.160		-0.6	20.0
Phenanthrene	1.099	1.075		-2.2	
Anthracene	1.122	1.109		-1.2	
Carbazole	1.057	1.018		-3.7	
Di-n-butylphthalate	1.300	1.288		-0.9	
Fluoranthene	1.311	1.234		-5.9	20.0
Pyrene	1.300	1.297		-0.2	
Terphenyl-d14	1.093	1.098		0.5	
Butylbenzylphthalate	0.589	0.609		3.4	
3,3-Dichlorobenzidine	0.497	0.499		0.4	
Benzo(a)anthracene	1.319	1.294		-1.9	
Chrysene	1.235	1.223		-1.0	
Bis(2-ethylhexyl)phthalate	0.867	0.871		0.5	
Di-n-octyl phthalate	1.492	1.545		3.6	20.0
Benzo(b)fluoranthene	1.179	1.158		-1.8	
Benzo(k)fluoranthene	1.180	1.141		-3.3	
Benzo(a)pyrene	1.148	1.118		-2.6	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.442		-1.7	
Dibenzo(a,h)anthracene	1.199	1.179		-1.7	
Benzo(g,h,i)perylene	1.178	1.147		-2.6	
1,2,4,5-Tetrachlorobenzene	0.578	0.600		3.8	
1,4-Dioxane	0.472	0.478		1.3	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.382		1.3	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2934

Instrument ID: BNA_P Calibration Date/Time: 08/27/2025 09:39

Lab File ID: BP025596.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.204		0.0	
Benzaldehyde	1.082	1.320		22.0	
Phenol-d6	1.544	1.563		1.2	
Phenol	1.620	1.636		1.0	20.0
bis(2-Chloroethyl)ether	1.263	1.242		-1.7	
2-Chlorophenol	1.359	1.356		-0.2	
2-Methylphenol	1.125	1.127		0.2	
2,2-oxybis(1-Chloropropane)	1.692	1.723		1.8	
Acetophenone	0.502	0.496		-1.2	
3+4-Methylphenols	1.560	1.513		-3.0	
n-Nitroso-di-n-propylamine	1.023	1.032	0.050	0.9	
Nitrobenzene-d5	0.395	0.395		0.0	
Hexachloroethane	0.563	0.563		0.0	
Nitrobenzene	0.353	0.352		-0.3	
Isophorone	0.700	0.708		1.1	
2-Nitrophenol	0.181	0.187		3.3	20.0
2,4-Dimethylphenol	0.312	0.310		-0.6	
bis(2-Chloroethoxy)methane	0.423	0.417		-1.4	
2,4-Dichlorophenol	0.310	0.310		0.0	20.0
Naphthalene	1.040	1.018		-2.1	
4-Chloroaniline	0.459	0.458		-0.2	
Hexachlorobutadiene	0.211	0.206		-2.4	20.0
Caprolactam	0.114	0.121		6.1	
4-Chloro-3-methylphenol	0.355	0.363		2.3	20.0
2-Methylnaphthalene	0.676	0.657		-2.8	
Hexachlorocyclopentadiene	0.349	0.280	0.050	-19.8	
2,4,6-Trichlorophenol	0.390	0.385		-1.3	20.0
2-Fluorobiphenyl	1.463	1.415		-3.3	
2,4,5-Trichlorophenol	0.427	0.424		-0.7	
1,1-Biphenyl	1.453	1.400		-3.6	
2-Chloronaphthalene	1.131	1.094		-3.3	
2-Nitroaniline	0.329	0.360		9.4	
Dimethylphthalate	1.465	1.499		2.3	
Acenaphthylene	1.871	1.827		-2.4	
2,6-Dinitrotoluene	0.309	0.331		7.1	
3-Nitroaniline	0.347	0.364		4.9	
Acenaphthene	1.098	1.046		-4.7	20.0
2,4-Dinitrophenol	0.165	0.204	0.050	23.6	
4-Nitrophenol	0.285	0.275	0.050	-3.5	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2934

Instrument ID: BNA_P Calibration Date/Time: 08/27/2025 09:39

Lab File ID: BP025596.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.718		-1.0	
2,4-Dinitrotoluene	0.440	0.481		9.3	
Diethylphthalate	1.488	1.550		4.2	
4-Chlorophenyl-phenylether	0.681	0.690		1.3	
Fluorene	1.370	1.386		1.2	
4-Nitroaniline	0.356	0.391		9.8	
4,6-Dinitro-2-methylphenol	0.125	0.142		13.6	
n-Nitrosodiphenylamine	0.610	0.593		-2.8	20.0
2,4,6-Tribromophenol	0.269	0.296		10.0	
4-Bromophenyl-phenylether	0.220	0.217		-1.4	
Hexachlorobenzene	0.255	0.256		0.4	
Atrazine	0.228	0.234		2.6	
Pentachlorophenol	0.161	0.155		-3.7	20.0
Phenanthrene	1.099	1.066		-3.0	
Anthracene	1.122	1.113		-0.8	
Carbazole	1.057	1.047		-0.9	
Di-n-butylphthalate	1.300	1.367		5.2	
Fluoranthene	1.311	1.324		1.0	20.0
Pyrene	1.300	1.296		-0.3	
Terphenyl-d14	1.093	1.122		2.7	
Butylbenzylphthalate	0.589	0.630		7.0	
3,3-Dichlorobenzidine	0.497	0.494		-0.6	
Benzo(a)anthracene	1.319	1.299		-1.5	
Chrysene	1.235	1.231		-0.3	
Bis(2-ethylhexyl)phthalate	0.867	0.884		2.0	
Di-n-octyl phthalate	1.492	1.545		3.6	20.0
Benzo(b)fluoranthene	1.179	1.165		-1.2	
Benzo(k)fluoranthene	1.180	1.169		-0.9	
Benzo(a)pyrene	1.148	1.139		-0.8	20.0
Indeno(1,2,3-cd)pyrene	1.467	1.427		-2.7	
Dibenzo(a,h)anthracene	1.199	1.176		-1.9	
Benzo(g,h,i)perylene	1.178	1.148		-2.5	
1,2,4,5-Tetrachlorobenzene	0.578	0.565		-2.2	
1,4-Dioxane	0.472	0.463		-1.9	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.394		4.5	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Time: Aug 25 01:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

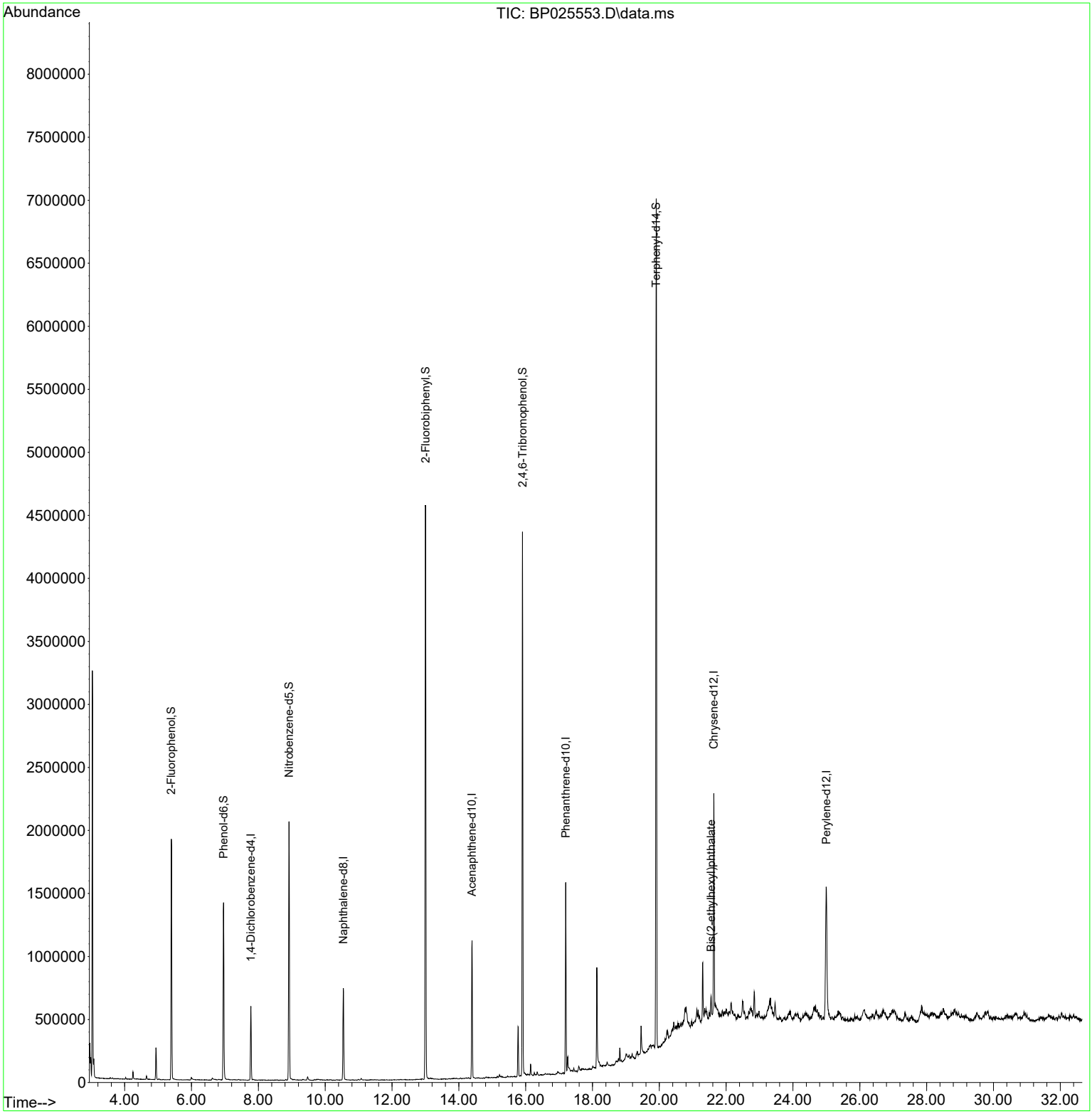
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	164036	20.000	ng	-0.02
21) Naphthalene-d8	10.542	136	640301	20.000	ng	-0.02
39) Acenaphthene-d10	14.395	164	399889	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	848268	20.000	ng	0.00
76) Chrysene-d12	21.630	240	933136	20.000	ng	-0.02
86) Perylene-d12	25.000	264	1075182	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	838689	84.909	ng	-0.01
7) Phenol-d6	6.960	99	823417	65.021	ng	0.00
23) Nitrobenzene-d5	8.919	82	1188559	93.899	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	826479	153.548	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	2578138	88.112	ng	-0.01
79) Terphenyl-d14	19.907	244	4120848	80.796	ng	-0.01
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.548	149	84965	2.100	ng	# 98

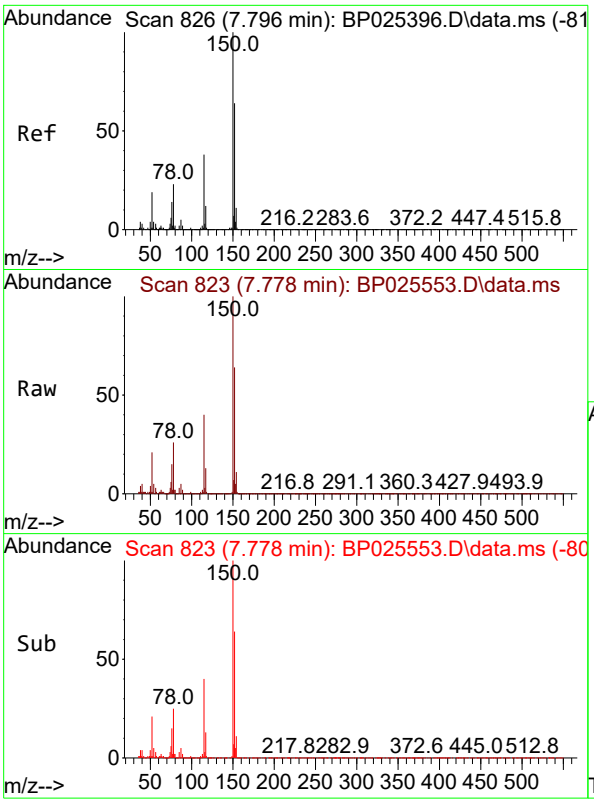
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Time: Aug 25 01:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



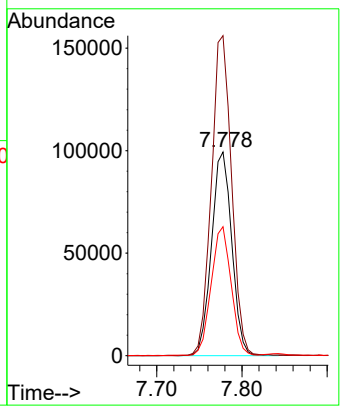


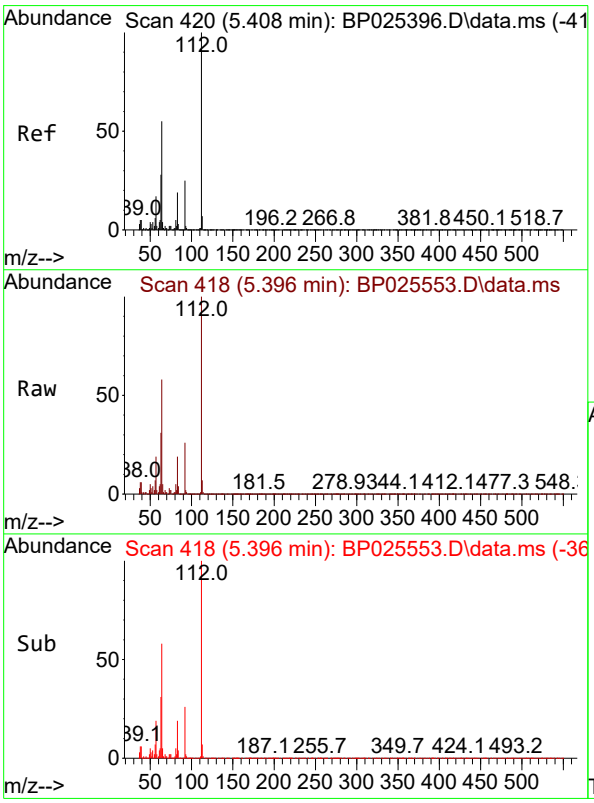
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Tgt Ion:152 Resp: 164036

Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.9	188.9
115	63.3	48.5	72.7

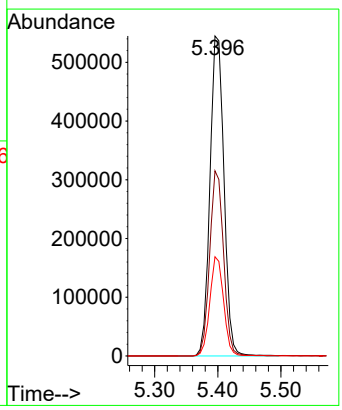


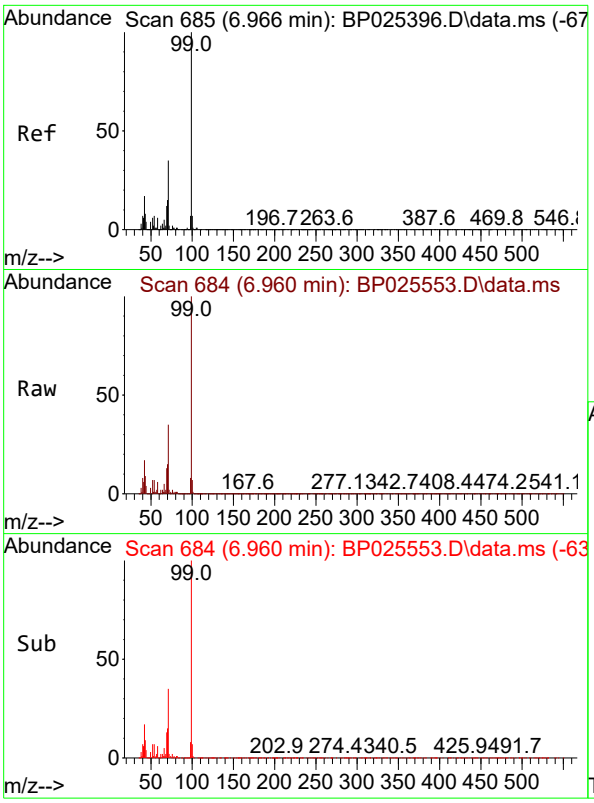


#5
2-Fluorophenol
Concen: 84.909 ng
RT: 5.396 min Scan# 418
Delta R.T. -0.012 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Tgt Ion:112 Resp: 838689

Ion	Ratio	Lower	Upper
112	100		
64	57.9	43.8	65.8
63	31.0	22.7	34.1



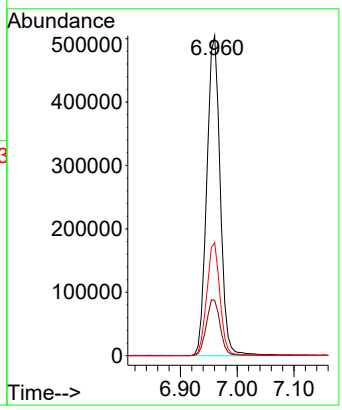


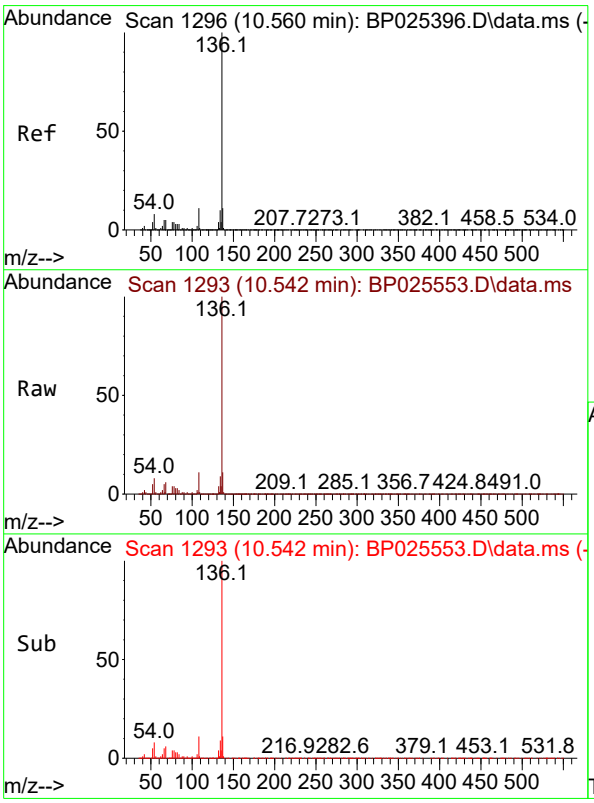
#7
Phenol-d6
Concen: 65.021 ng
RT: 6.960 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Tgt Ion: 99 Resp: 823417

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.7	20.5
71	35.4	28.2	42.4

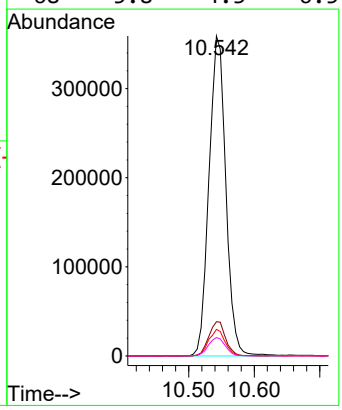


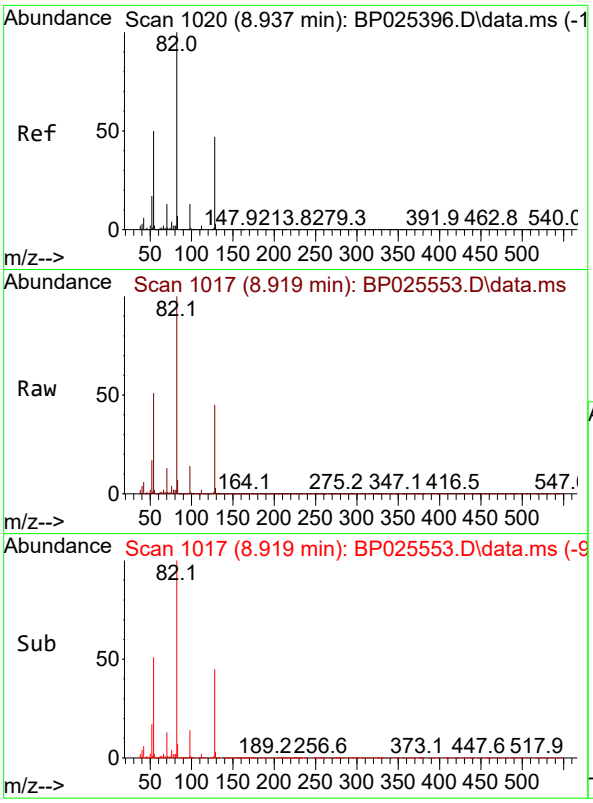


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.542 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Tgt Ion:136 Resp: 640301

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	8.3	6.0	9.0
68	5.8	4.3	6.5



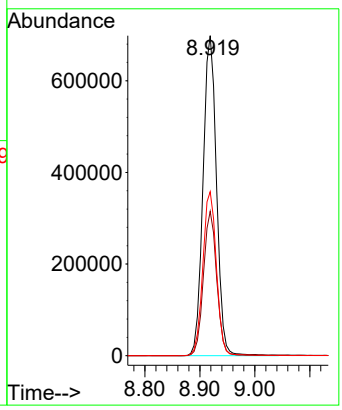


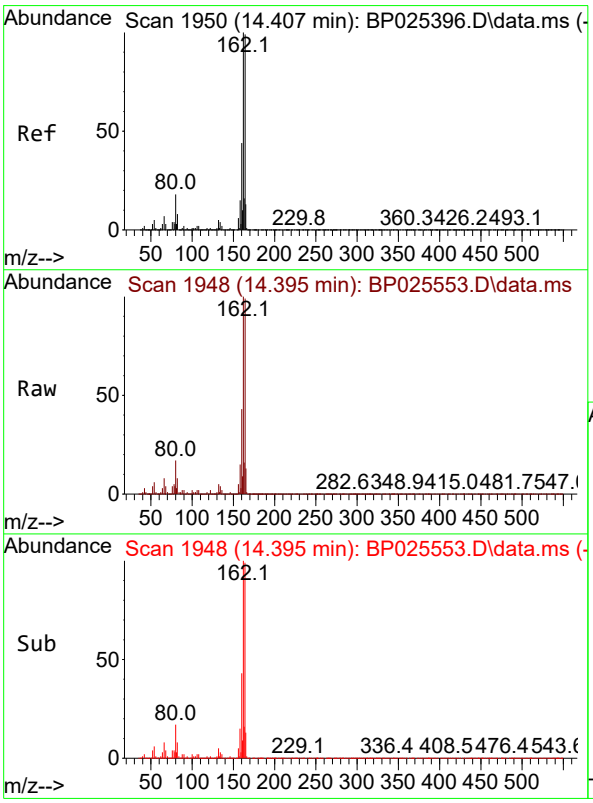
#23
Nitrobenzene-d5
Concen: 93.899 ng
RT: 8.919 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Tgt Ion: 82 Resp: 1188559

Ion	Ratio	Lower	Upper
82	100		
128	45.1	37.7	56.5
54	51.3	39.8	59.6

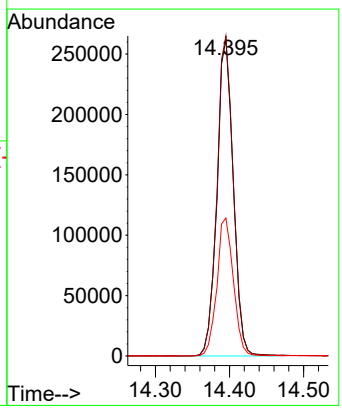


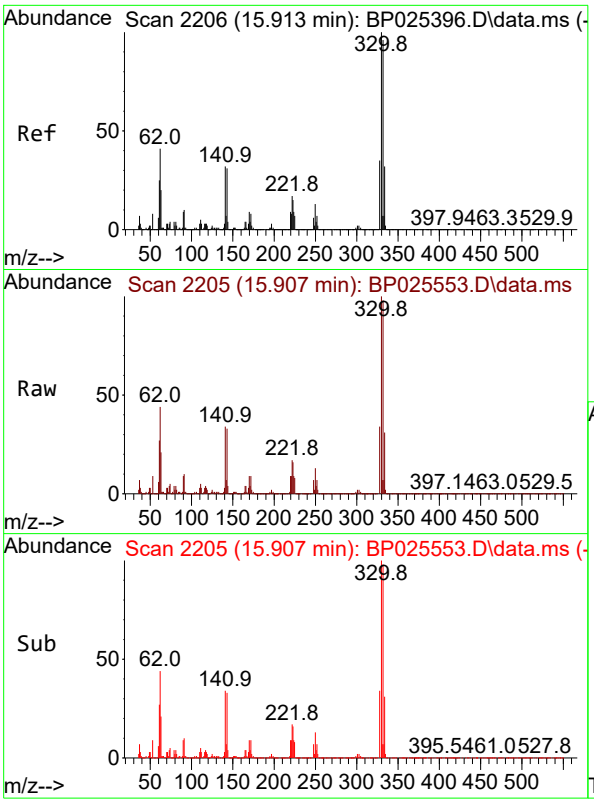


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Tgt Ion:164 Resp: 399889

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.0	121.6
160	43.6	35.4	53.2



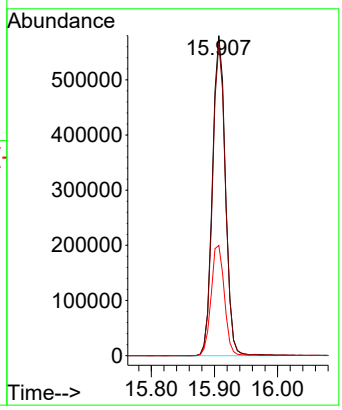


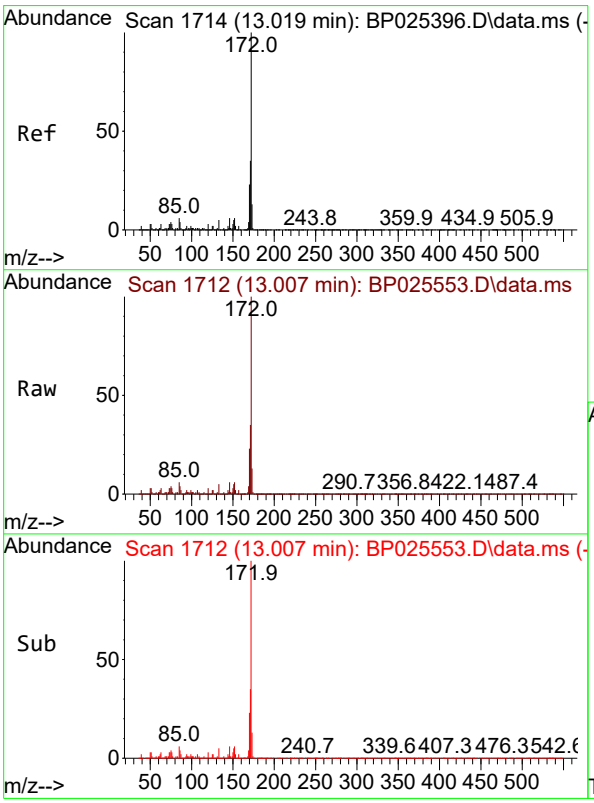
#42
2,4,6-Tribromophenol
Concen: 153.548 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Tgt Ion:330 Resp: 826479

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.3	115.9
141	35.3	26.6	39.8

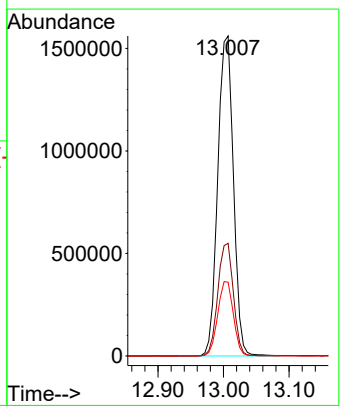


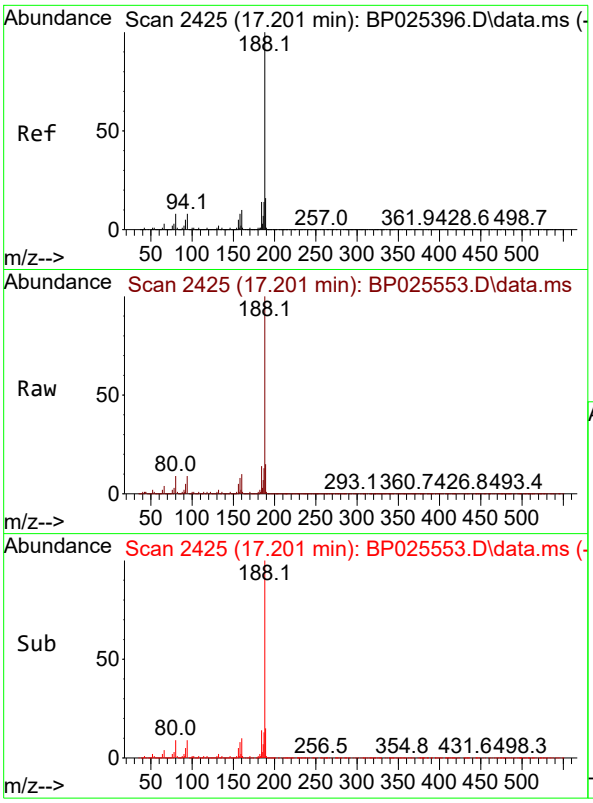


#45
2-Fluorobiphenyl
Concen: 88.112 ng
RT: 13.007 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Tgt Ion:172 Resp: 2578138

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	23.0	18.6	28.0



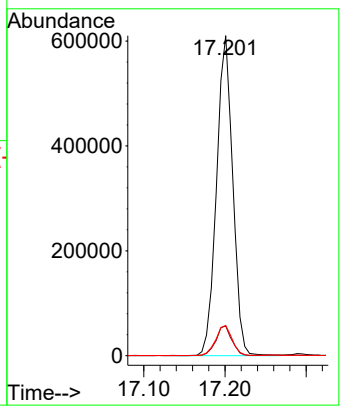


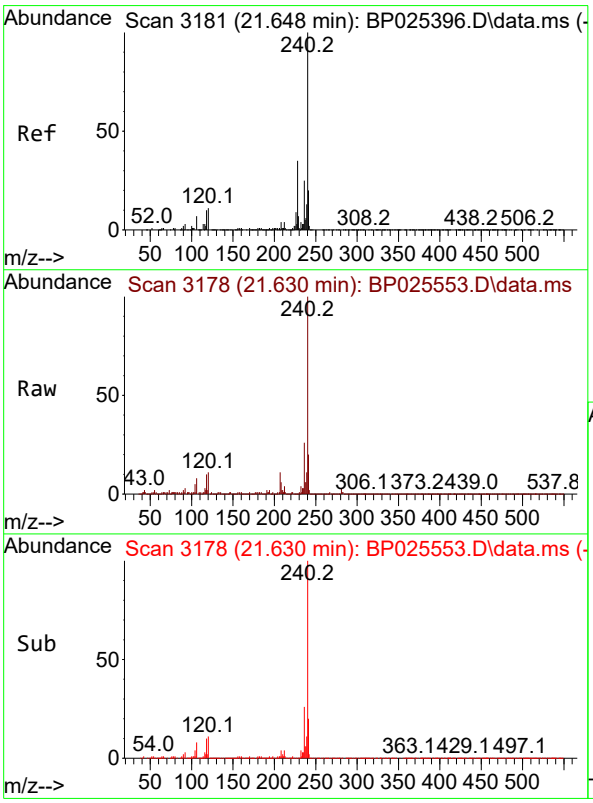
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Tgt Ion:188 Resp: 848268

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	9.4	6.7	10.1

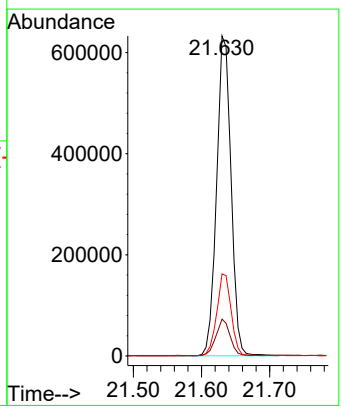


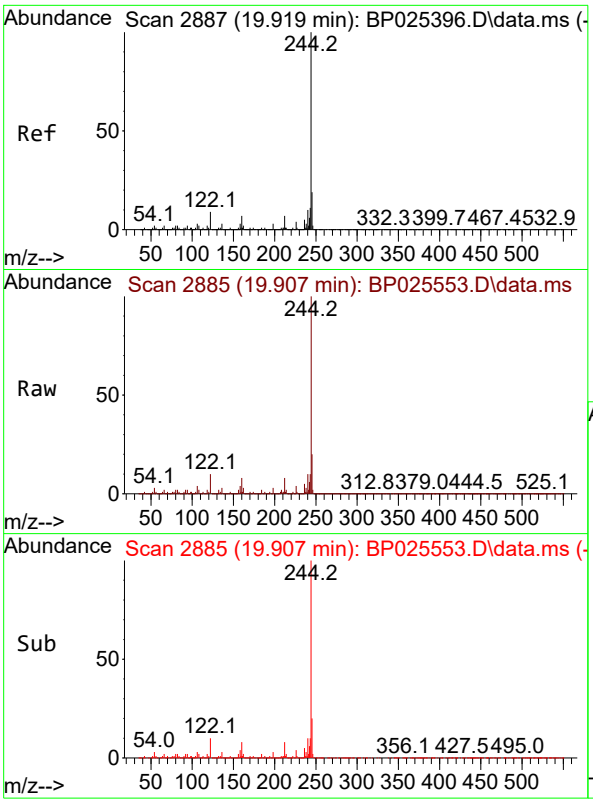


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Tgt Ion:240 Resp: 933136

Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.9	13.3
236	25.6	19.8	29.8



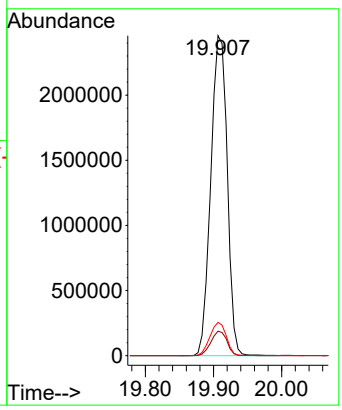


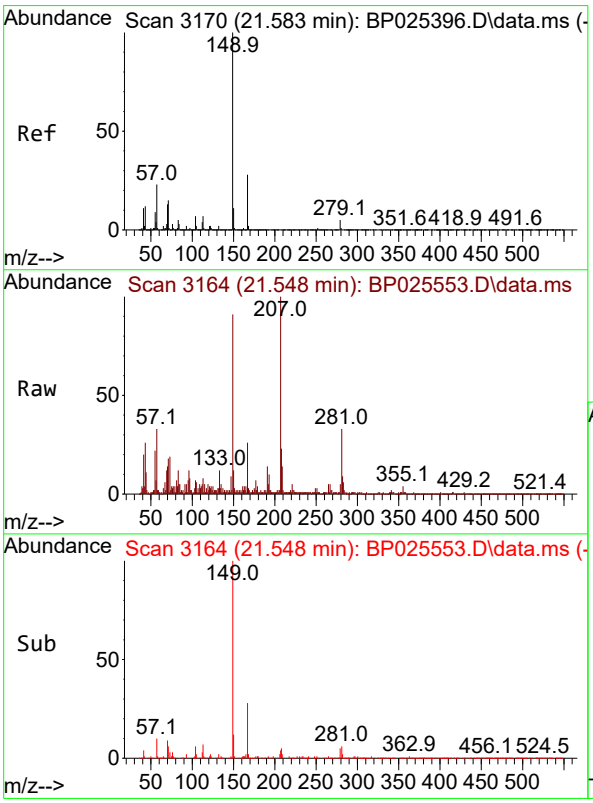
#79
Terphenyl-d14
Concen: 80.796 ng
RT: 19.907 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Tgt Ion:244 Resp: 4120848

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	10.4	7.4	11.2

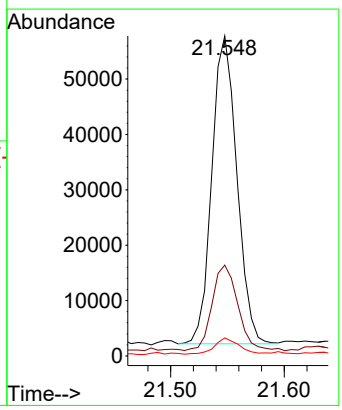


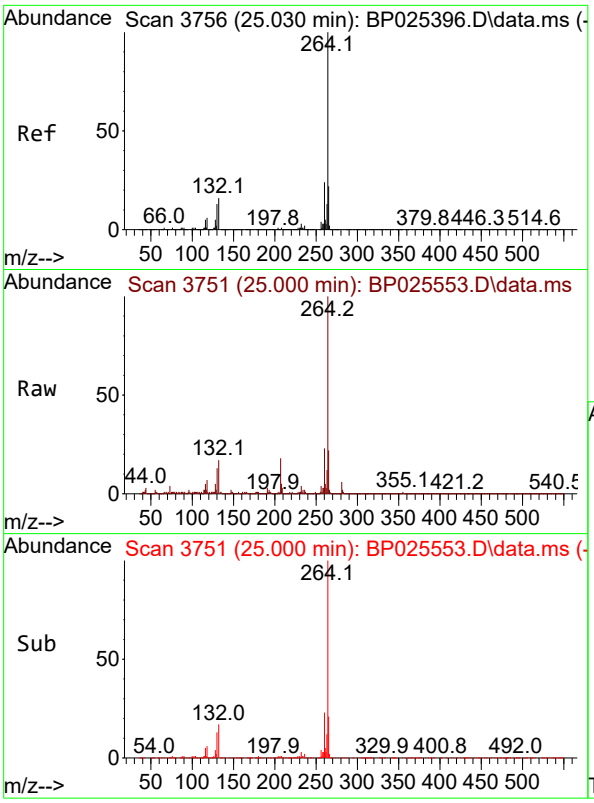


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.100 ng
RT: 21.548 min Scan# 3164
Delta R.T. -0.036 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Tgt Ion:149 Resp: 84965

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.1	33.1
279	5.7	3.8	5.6#



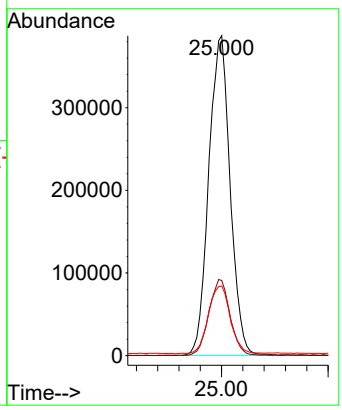


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.000 min Scan# 3
Delta R.T. -0.030 min
Lab File: BP025553.D
Acq: 22 Aug 2025 17:39

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Tgt Ion:264 Resp: 1075182

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.3	28.9
265	21.8	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

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_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025553.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.984	6	8	12	rVB2	141802	148438	1.32%	0.278%
2	3.031	12	16	22	rVV	3216525	4005225	35.68%	7.494%
3	3.078	22	24	35	rVB	150948	176585	1.57%	0.330%
4	4.937	335	340	349	rVB	252618	360971	3.22%	0.675%
5	5.396	409	418	430	rBV	1910734	2914590	25.96%	5.454%
6	6.960	675	684	699	rBV	1407531	2354180	20.97%	4.405%
7	7.778	813	823	830	rBV	585418	966667	8.61%	1.809%
8	8.919	1009	1017	1029	rBV	2050887	3495102	31.13%	6.540%
9	10.542	1285	1293	1302	rBV	728722	1296566	11.55%	2.426%
10	13.001	1703	1711	1723	rBV	4557046	7565230	67.39%	14.156%
11	14.395	1941	1948	1955	rBV	1095571	1700826	15.15%	3.183%
12	15.771	2176	2182	2190	rBV	395577	628661	5.60%	1.176%
13	15.907	2198	2205	2215	rBV	4317802	6358137	56.64%	11.897%
14	16.148	2242	2246	2256	rVB	91308	127147	1.13%	0.238%
15	17.201	2419	2425	2430	rBV	1513735	2118400	18.87%	3.964%
16	17.260	2430	2435	2440	rBV3	110890	187265	1.67%	0.350%
17	18.130	2578	2583	2593	rBV	797685	1298616	11.57%	2.430%
18	18.818	2697	2700	2704	rVB	105563	120425	1.07%	0.225%
19	19.454	2805	2808	2819	rBV2	208193	323613	2.88%	0.606%
20	19.907	2879	2885	2894	rVB	6735600	11226276	100.00%	21.006%
21	21.301	3118	3122	3127	rBV	436304	613722	5.47%	1.148%
22	21.630	3173	3178	3184	rBV	1747238	2655256	23.65%	4.968%
23	24.995	3743	3750	3763	rVB	1011194	2800364	24.94%	5.240%

Sum of corrected areas: 53442262

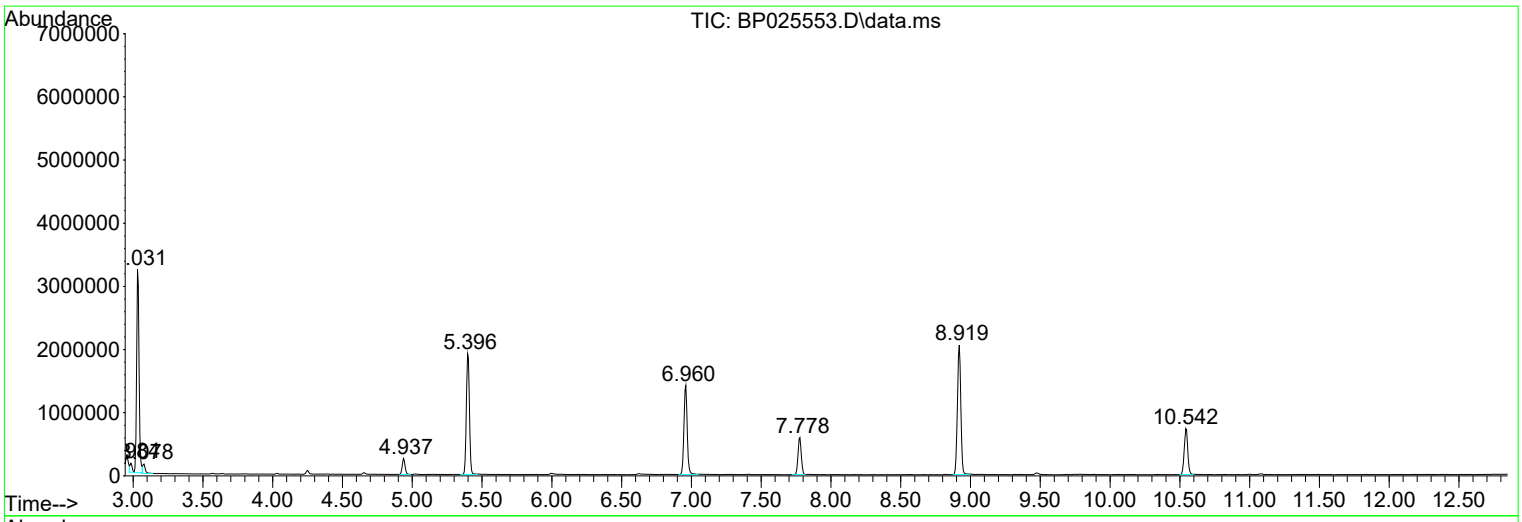
Sample Results: **BP025553.D**

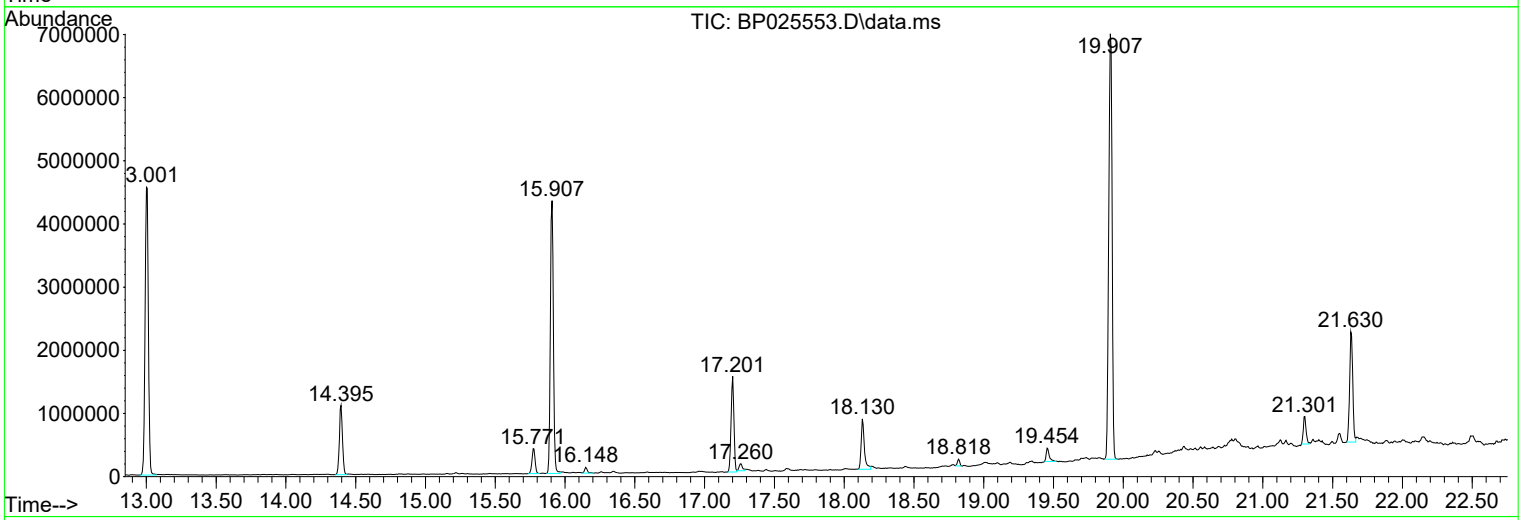
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Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

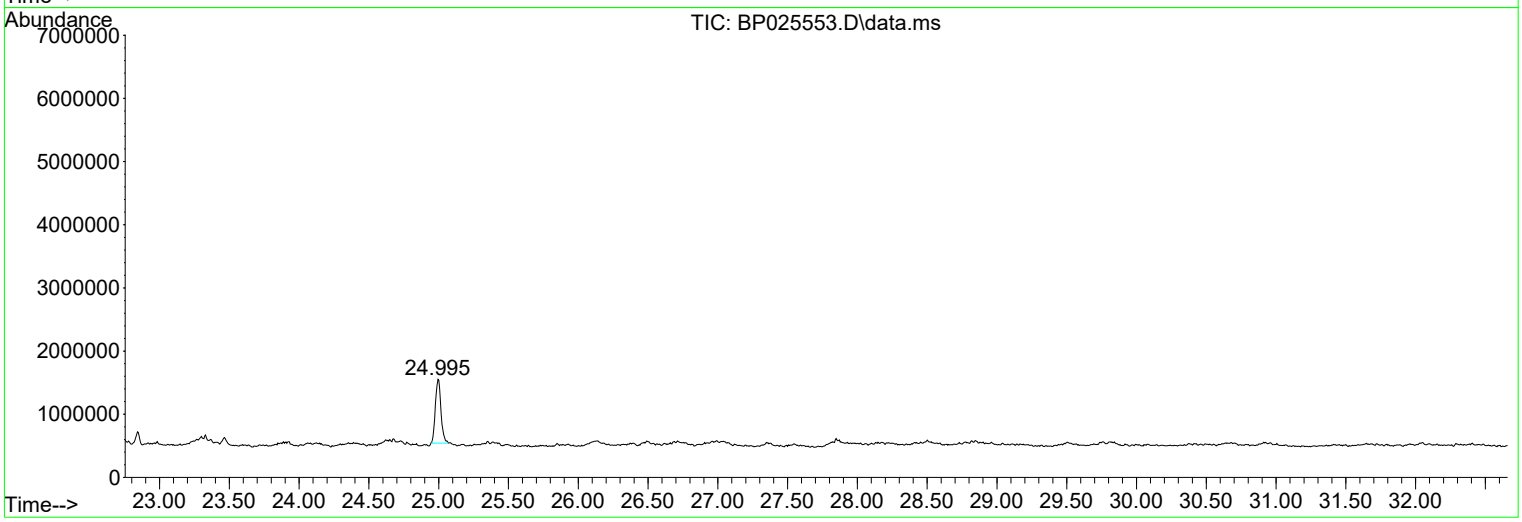
Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

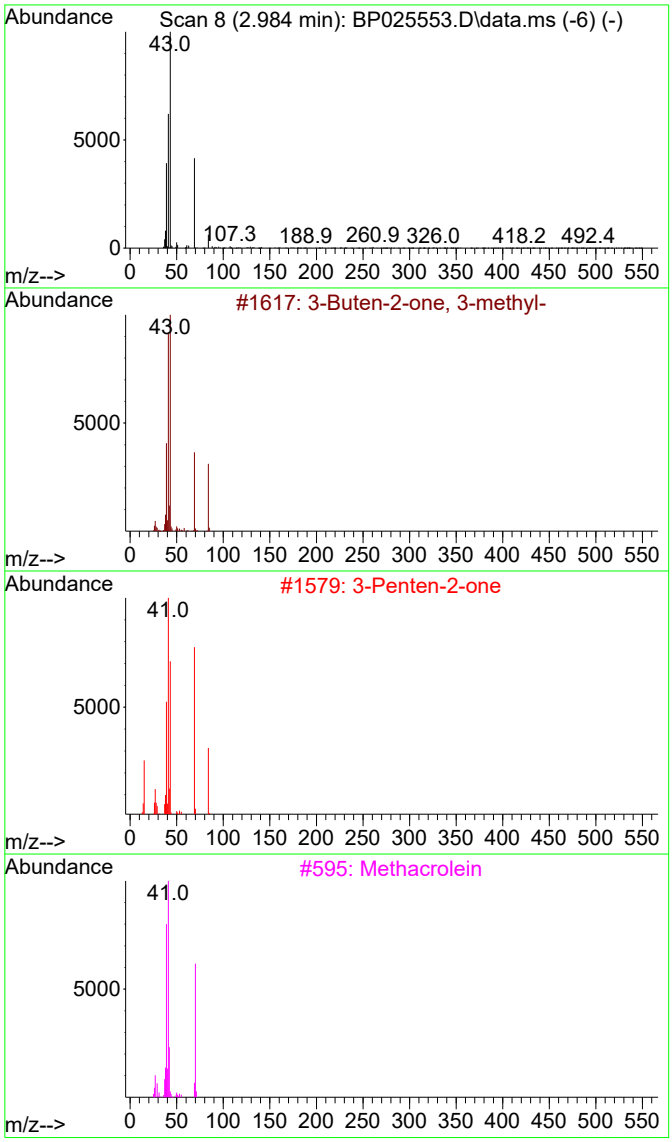
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

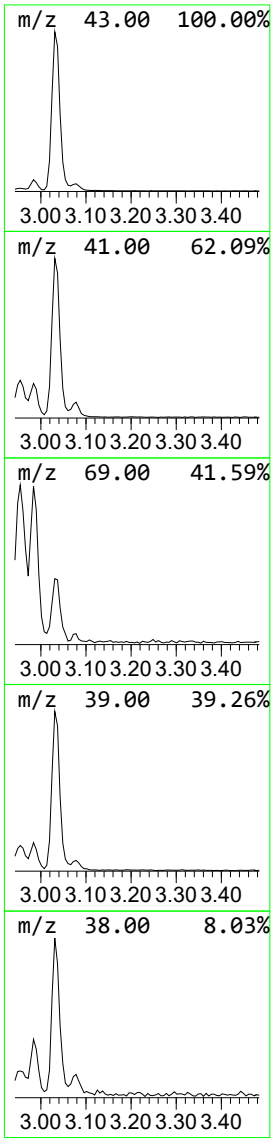
****

Peak Number 1 unknown2.984 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.984	3.07 ng	148438	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	38
2	3-Penten-2-one	84	C5H8O	000625-33-2	36
3	Methacrolein	70	C4H6O	000078-85-3	9
4	Cyclopropanecarboxylic acid, met...	100	C5H8O2	002868-37-3	9
5	Cyclopropanecarboxylic acid, 5-f...	225	C10H8FNO4	1000278-66-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

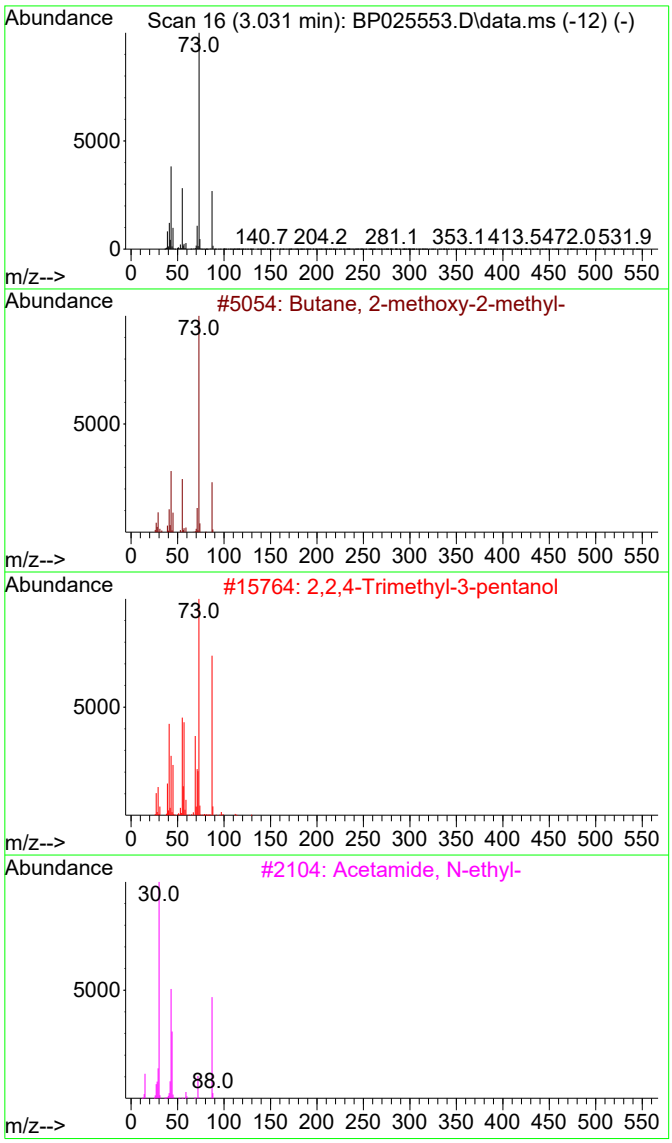
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

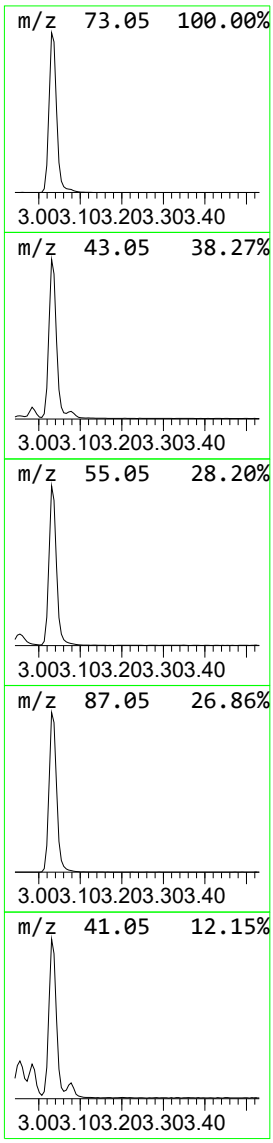
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	82.87 ng	4005230	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

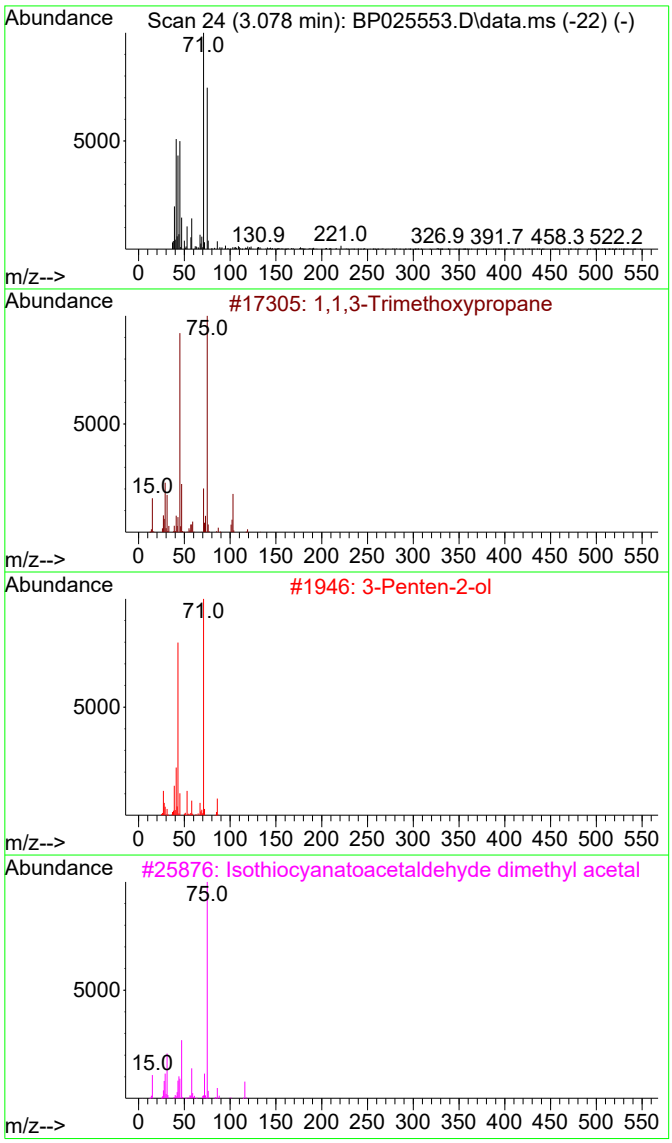
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TIC Integration Parameters: LSCINT.P

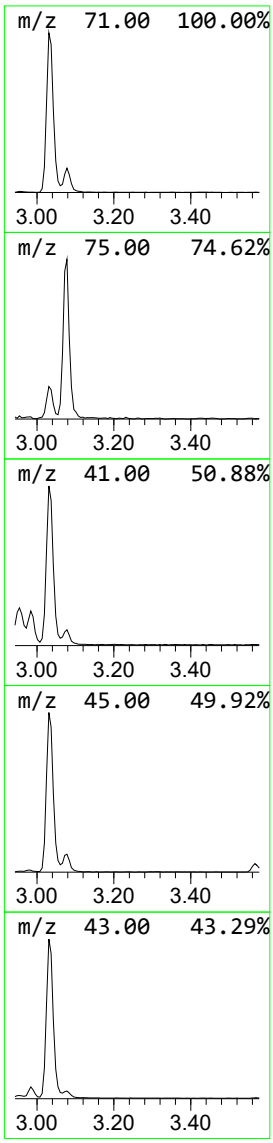
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Peak Number 3 unknown3.078 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.078	3.65 ng	176585	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,3-Trimethoxypropane	134	C6H14O3	014315-97-0	28
2	3-Penten-2-ol	86	C5H10O	001569-50-2	27
3	Isothiocyanatoacetaldehyde dimet...	147	C5H9NO2S	075052-04-9	25
4	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	25
5	1,2,4-Butanetriol	106	C4H10O3	003068-00-6	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

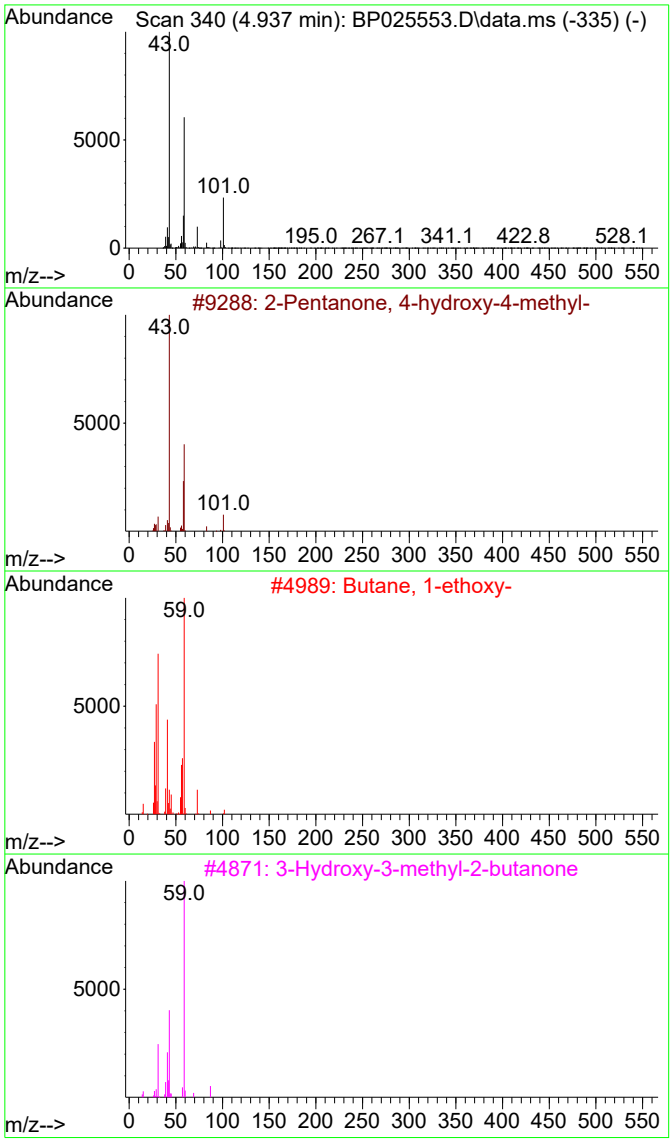
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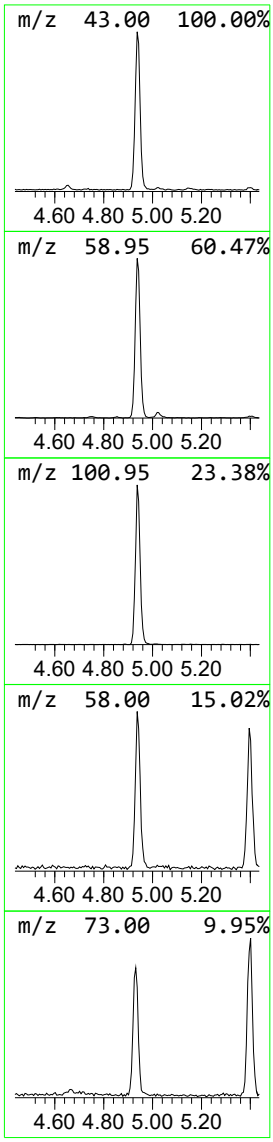
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	7.47 ng	360971	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	23
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	16
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	12
5	4-Methoxy-1-pentene	100	C6H12O	098386-09-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

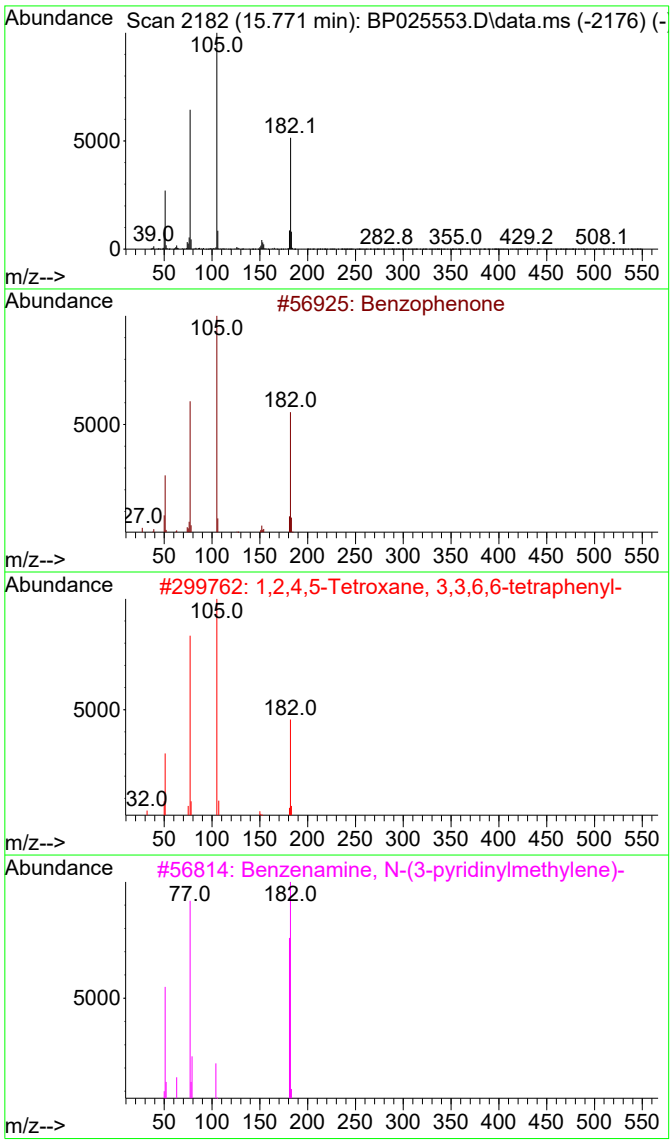
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TIC Integration Parameters: LSCINT.P

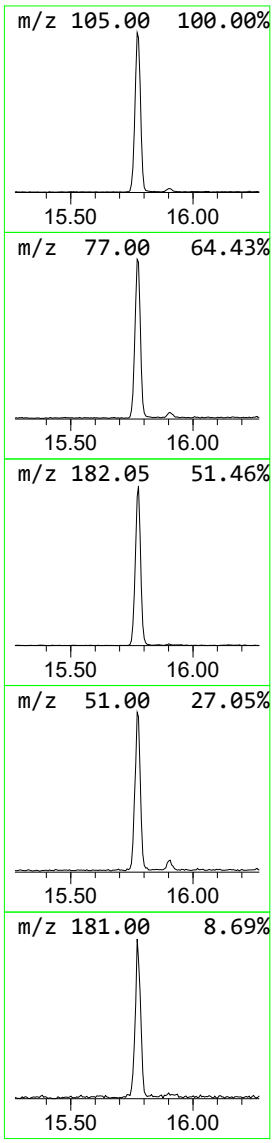
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Peak Number 5 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.772	7.39 ng	628661	Acenaphthene-d10	14.395

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	59
4	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
5	Azobenzene	182	C12H10N2	000103-33-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

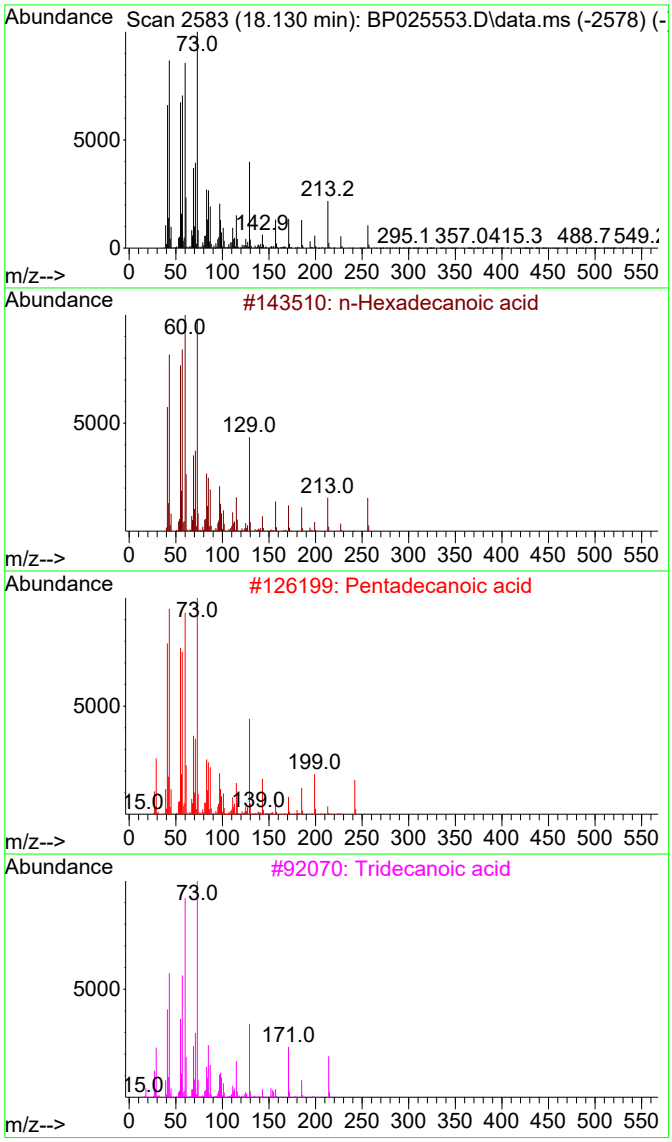
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TIC Integration Parameters: LSCINT.P

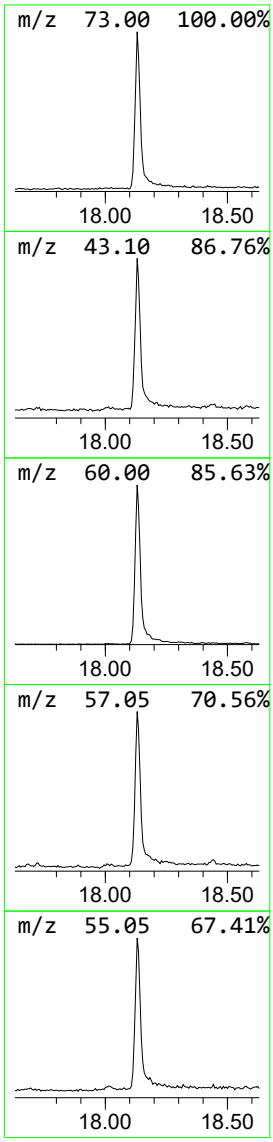
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Peak Number 6 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.130	12.26 ng	1298620	Phenanthrene-d10	17.201

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

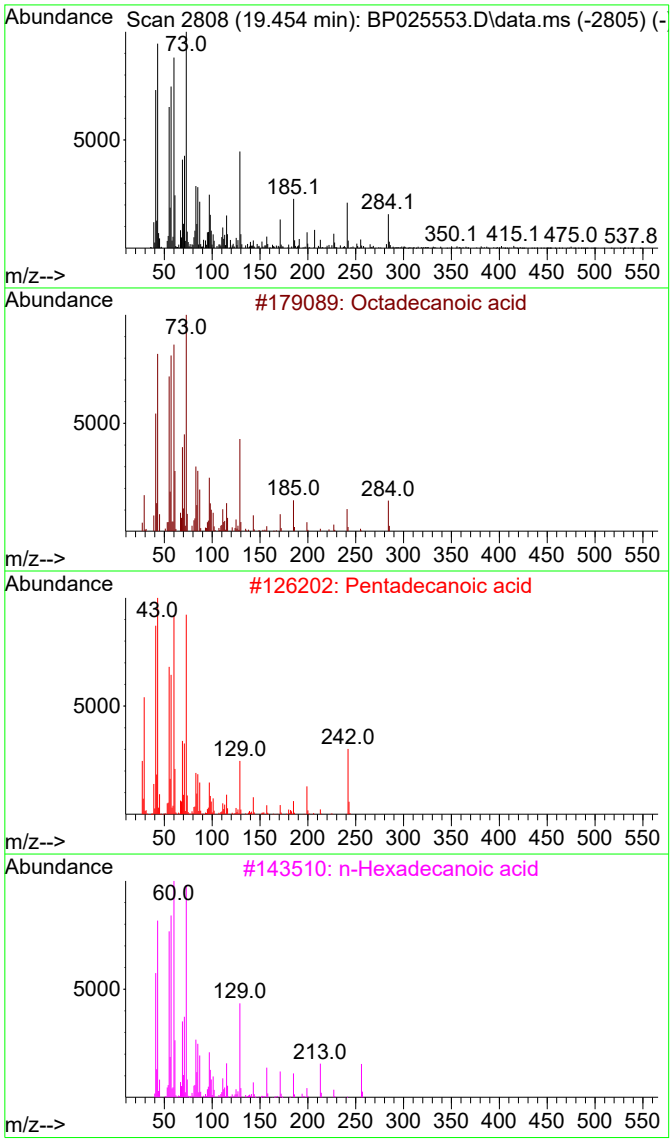
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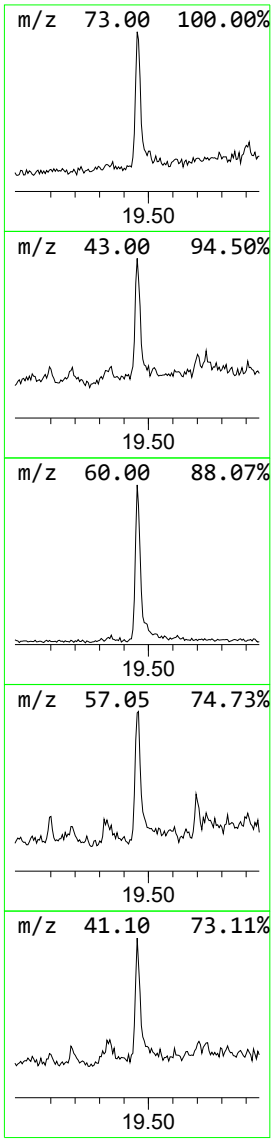
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Peak Number 7 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.454	2.44 ng	323613	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

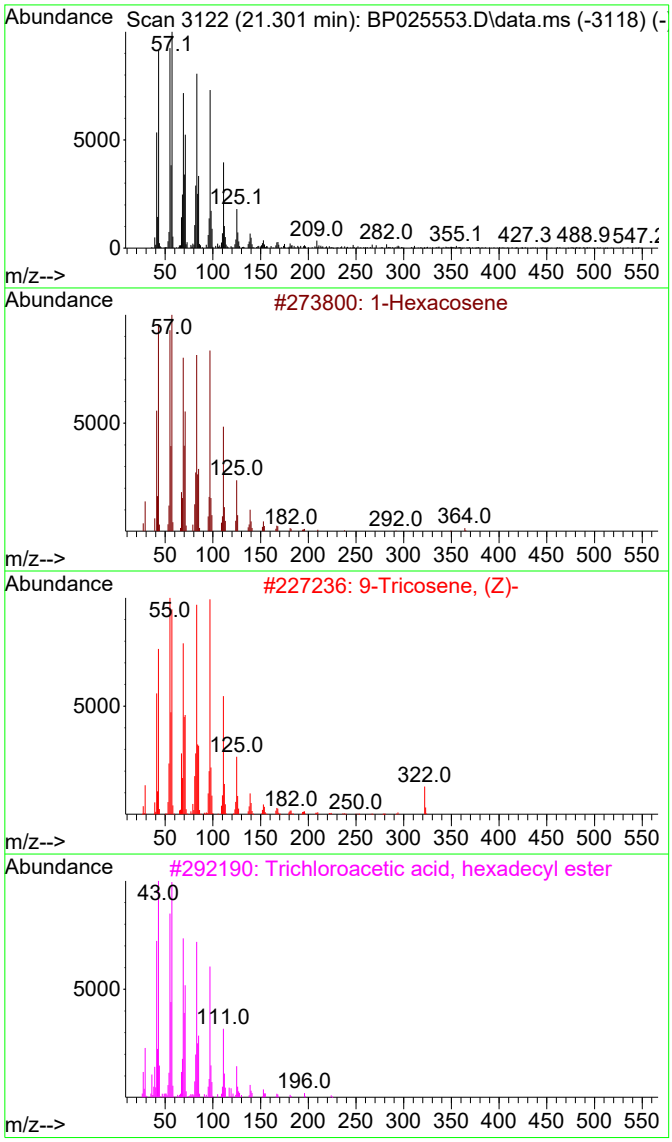
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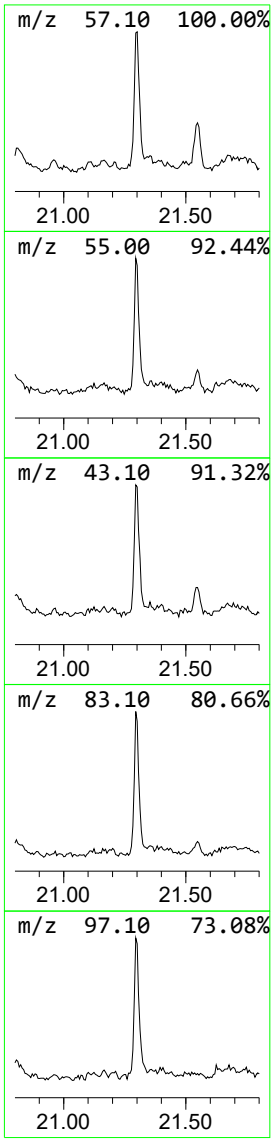
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Peak Number 8 1-Hexacosene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.301	4.62 ng	613722	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	95
2	9-Tricosene, (Z)-	322	C23H46	027519-02-4	95
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
4	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	94
5	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025553.D
Acq On : 22 Aug 2025 17:39
Operator : CG/JU
Sample : Q2934-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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
unknown2.984	2.984	3.1	ng	148438	1	7.778	966667	20.0
Butane, 2-metho...	3.031	82.9	ng	4005230	1	7.778	966667	20.0
unknown3.078	3.078	3.6	ng	176585	1	7.778	966667	20.0
2-Pentanone, 4-...	4.937	7.5	ng	360971	1	7.778	966667	20.0
Benzophenone	15.772	7.4	ng	628661	3	14.395	1700830	20.0
n-Hexadecanoic ...	18.130	12.3	ng	1298620	4	17.201	2118400	20.0
Octadecanoic acid	19.454	2.4	ng	323613	5	21.630	2655260	20.0
1-Hexacosene	21.301	4.6	ng	613722	5	21.630	2655260	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Time: Aug 25 01:19:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

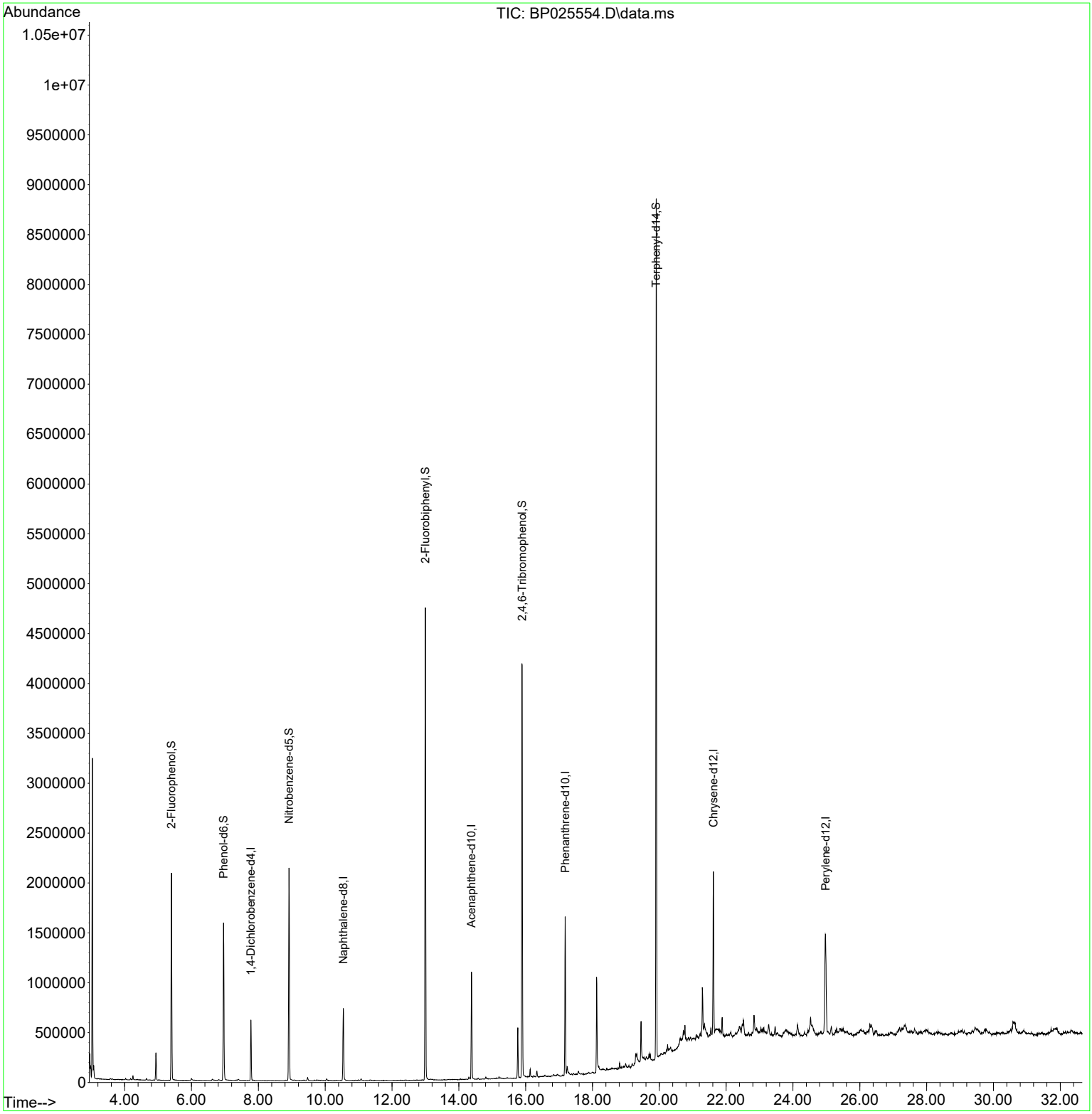
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	160345	20.000	ng	-0.02
21) Naphthalene-d8	10.542	136	629322	20.000	ng	-0.02
39) Acenaphthene-d10	14.378	164	401606	20.000	ng	-0.03
64) Phenanthrene-d10	17.183	188	846616	20.000	ng	-0.02
76) Chrysene-d12	21.618	240	933681	20.000	ng	-0.03
86) Perylene-d12	24.977	264	1099736	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	905029	93.734	ng	0.00
7) Phenol-d6	6.960	99	911354	73.622	ng	0.00
23) Nitrobenzene-d5	8.919	82	1207109	97.029	ng	-0.02
42) 2,4,6-Tribromophenol	15.895	330	850716	157.375	ng	-0.02
45) 2-Fluorobiphenyl	13.001	172	2567699	87.380	ng	-0.02
79) Terphenyl-d14	19.907	244	4192371	82.151	ng	-0.01
Target Compounds						Qvalue

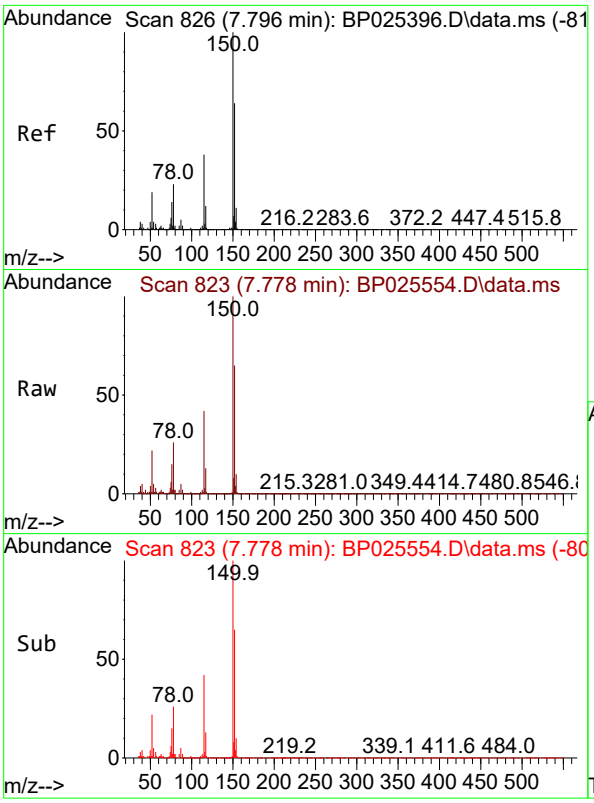
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Time: Aug 25 01:19:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



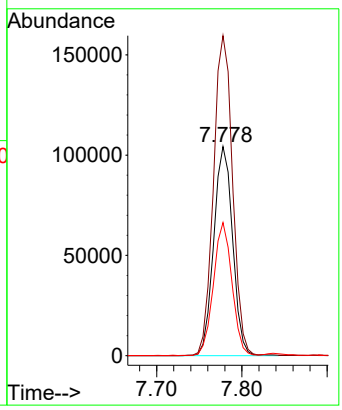


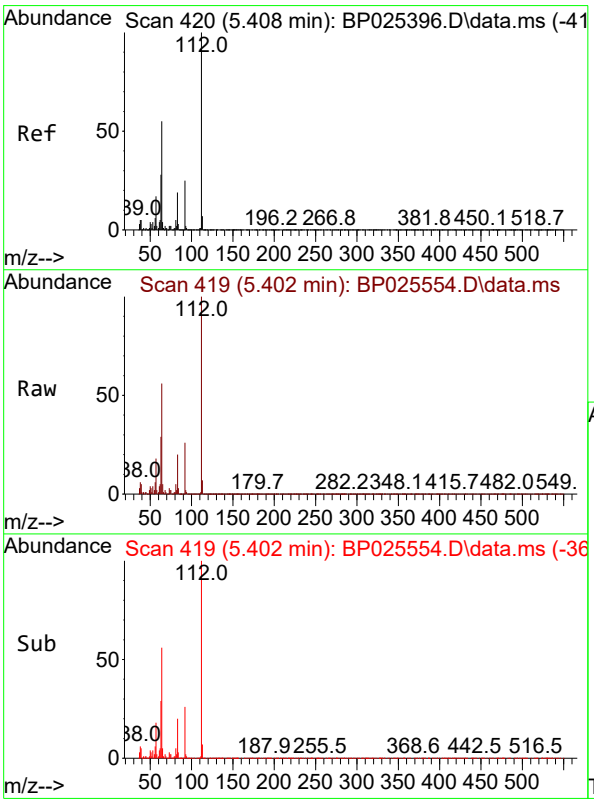
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Tgt Ion:152 Resp: 160345

Ion	Ratio	Lower	Upper
152	100		
150	153.1	125.9	188.9
115	63.7	48.5	72.7

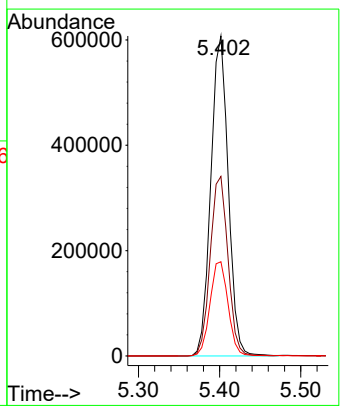


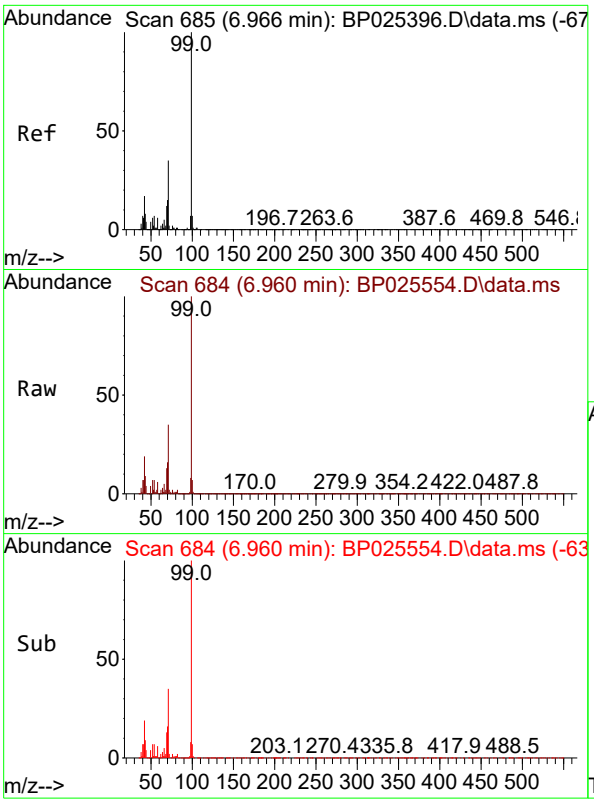


#5
2-Fluorophenol
Concen: 93.734 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Tgt Ion:112 Resp: 905029

Ion	Ratio	Lower	Upper
112	100		
64	56.1	43.8	65.8
63	29.4	22.7	34.1



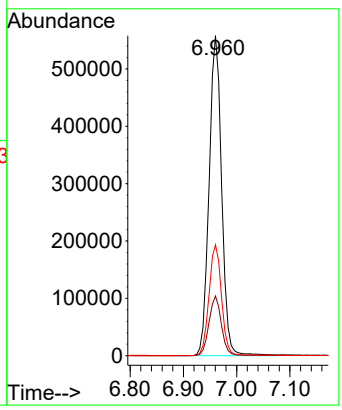


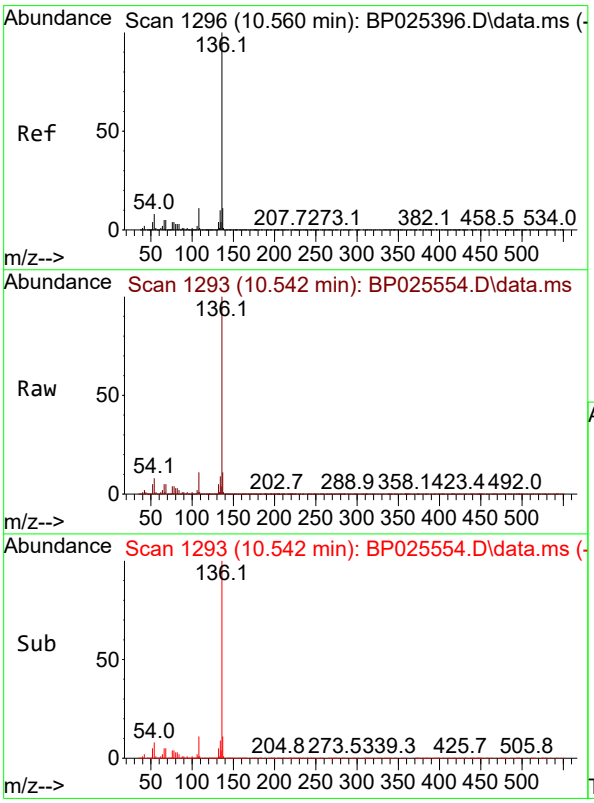
#7
Phenol-d6
Concen: 73.622 ng
RT: 6.960 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Tgt Ion: 99 Resp: 911354

Ion	Ratio	Lower	Upper
99	100		
42	18.7	13.7	20.5
71	34.7	28.2	42.4

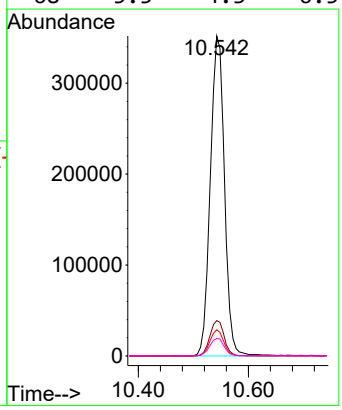


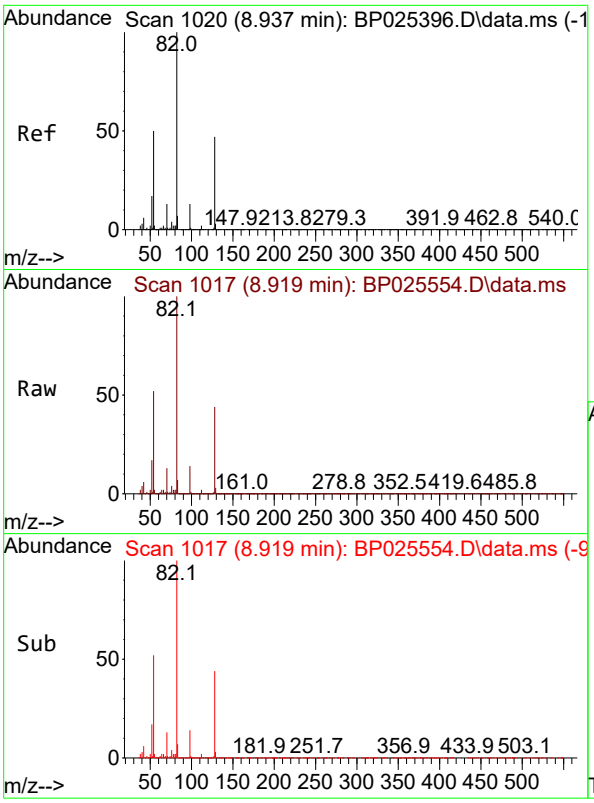


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.542 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Tgt Ion:136 Resp: 629322

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	8.2	6.0	9.0
68	5.5	4.3	6.5



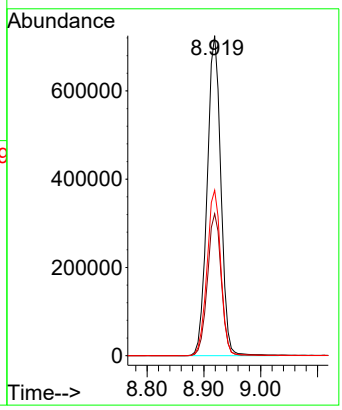


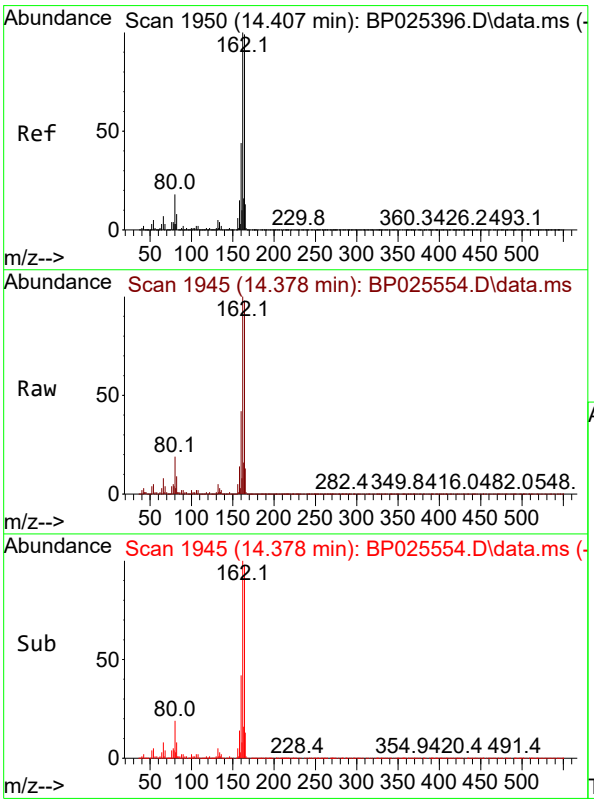
#23
Nitrobenzene-d5
Concen: 97.029 ng
RT: 8.919 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Tgt Ion: 82 Resp: 1207109

Ion	Ratio	Lower	Upper
82	100		
128	44.4	37.7	56.5
54	51.7	39.8	59.6

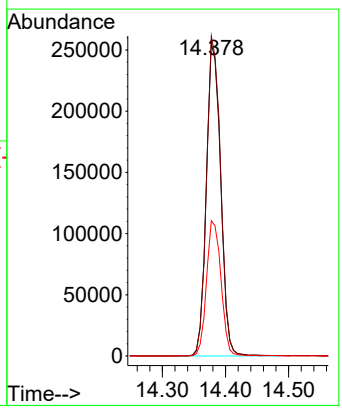


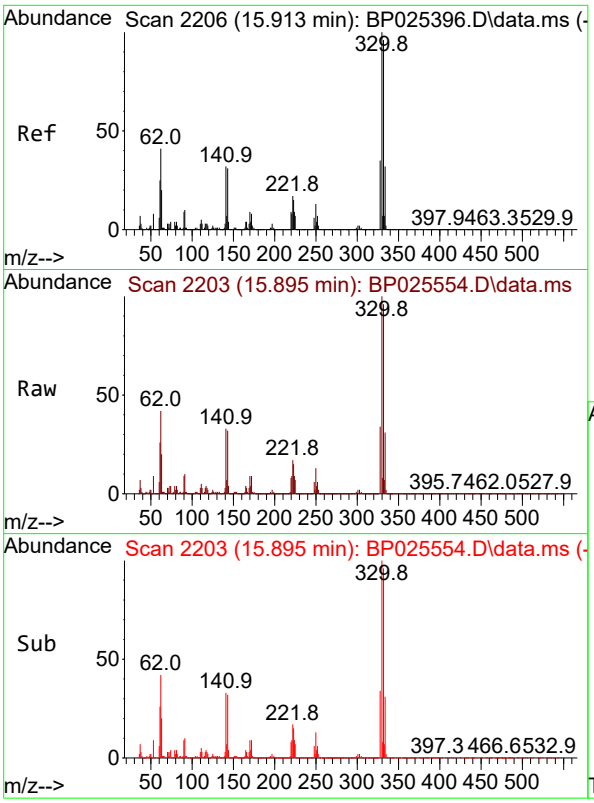


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.378 min Scan# 1945
Delta R.T. -0.030 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Tgt Ion:164 Resp: 401606

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.0	121.6
160	43.2	35.4	53.2



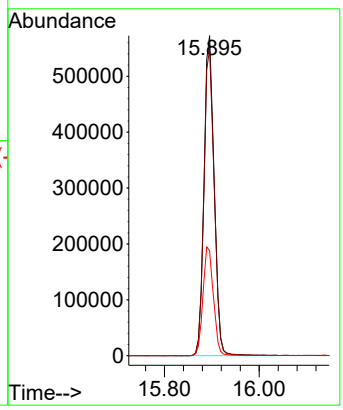


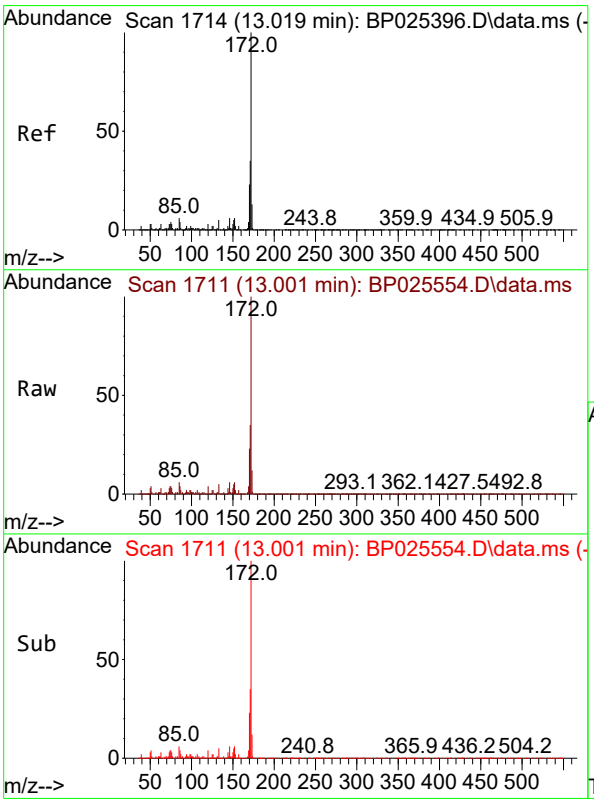
#42
2,4,6-Tribromophenol
Concen: 157.375 ng
RT: 15.895 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Tgt Ion:330 Resp: 850716

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	34.9	26.6	39.8

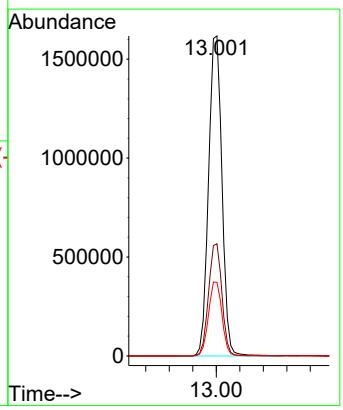


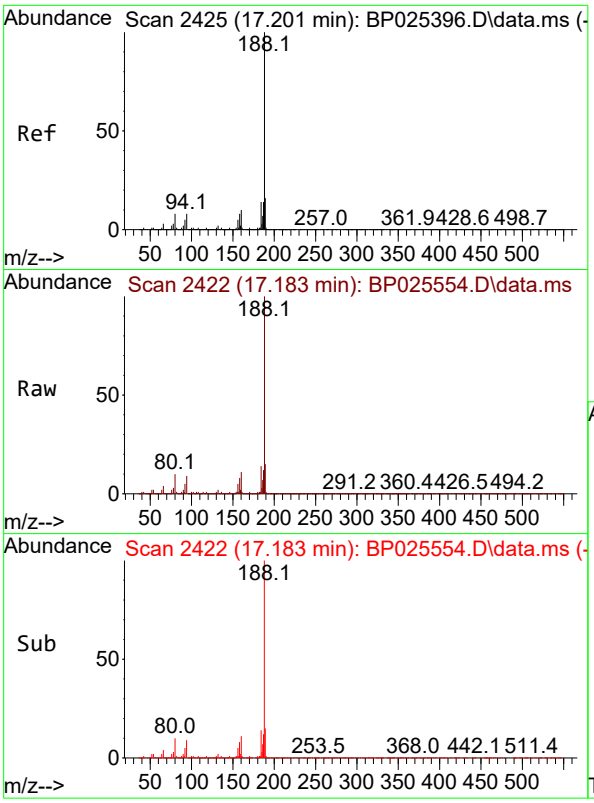


#45
2-Fluorobiphenyl
Concen: 87.380 ng
RT: 13.001 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Tgt Ion:172 Resp: 2567699

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.0	18.6	28.0



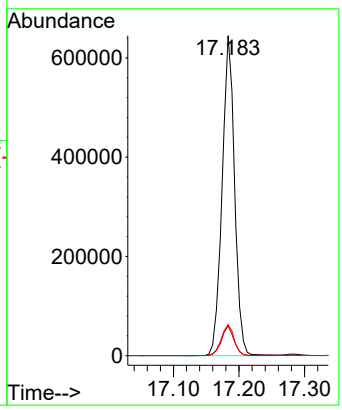


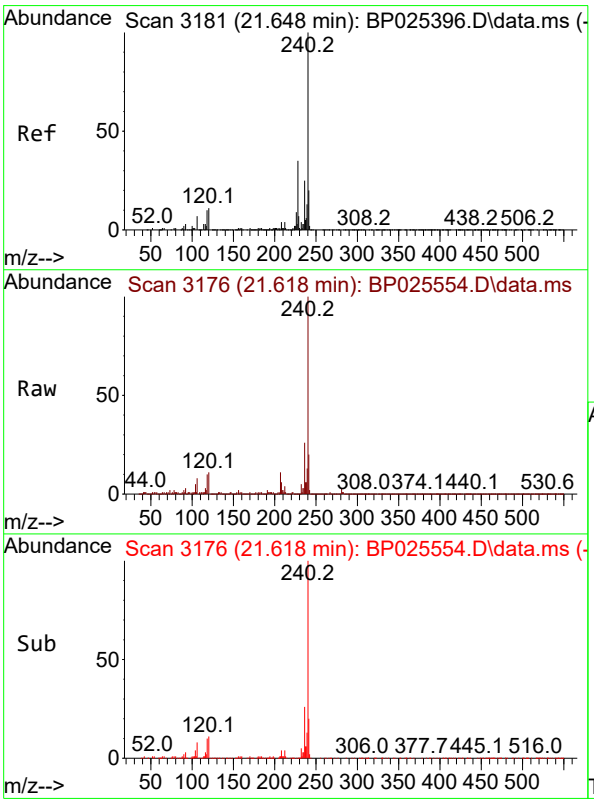
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.183 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Tgt Ion:188 Resp: 846616

Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.6	10.0
80	9.7	6.7	10.1

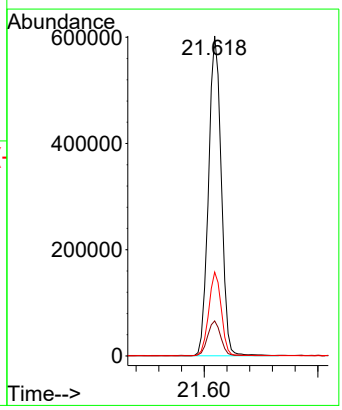


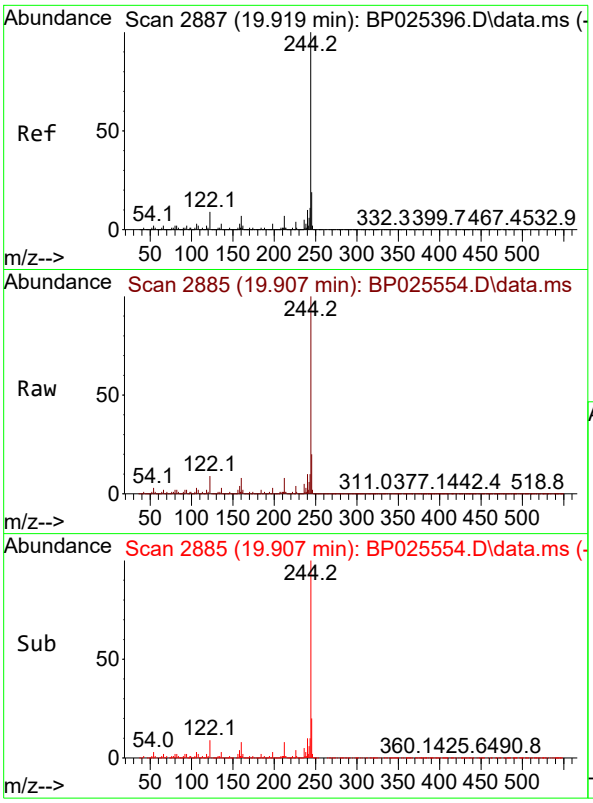


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.618 min Scan# 3176
Delta R.T. -0.030 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Tgt Ion:240 Resp: 933681

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	26.2	19.8	29.8



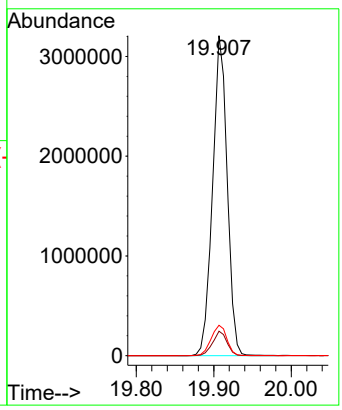


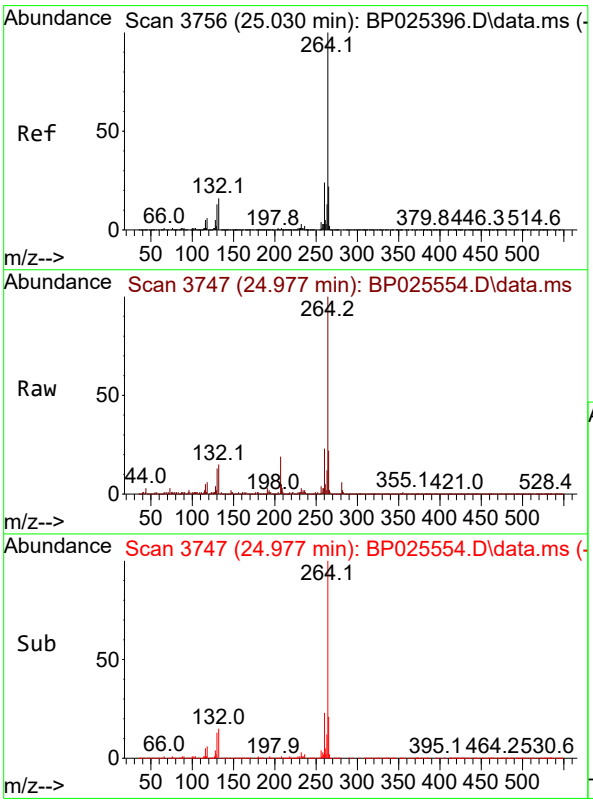
#79
Terphenyl-d14
Concen: 82.151 ng
RT: 19.907 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Tgt Ion:244 Resp: 4192371

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	9.5	7.4	11.2

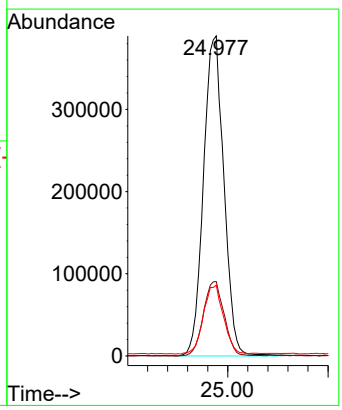




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.977 min Scan# 3747
Delta R.T. -0.053 min
Lab File: BP025554.D
Acq: 22 Aug 2025 18:20

Tgt Ion:264 Resp: 1099736

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.3	28.9
265	22.1	17.4	26.0



Sample Results: **BP025554.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

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_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025554.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.031	11	16	21	rVV	3200248	3746621	32.68%	6.870%
2	3.072	21	23	39	rVB	136580	189950	1.66%	0.348%
3	4.937	333	340	350	rVB	276751	401809	3.50%	0.737%
4	5.402	411	419	427	rBV	2079294	3134142	27.34%	5.747%
5	6.960	675	684	698	rBV	1581689	2604287	22.72%	4.775%
6	7.778	817	823	830	rBV	607589	934843	8.15%	1.714%
7	8.919	1006	1017	1036	rBV	2133769	3593792	31.35%	6.590%
8	10.542	1284	1293	1312	rBV	724784	1307641	11.41%	2.398%
9	13.001	1703	1711	1729	rBV	4735660	7519268	65.58%	13.788%
10	14.378	1939	1945	1964	rVB	1076273	1724869	15.04%	3.163%
11	15.766	2175	2181	2188	rBV	505082	658809	5.75%	1.208%
12	15.889	2196	2202	2225	rBV	4149233	6518523	56.86%	11.953%
13	17.183	2416	2422	2428	rBV	1593068	2133559	18.61%	3.912%
14	17.242	2428	2432	2438	rVV3	68538	120725	1.05%	0.221%
15	18.124	2577	2582	2592	rBV	959482	1485529	12.96%	2.724%
16	19.295	2777	2781	2783	rBV2	92783	138515	1.21%	0.254%
17	19.454	2803	2808	2815	rBV	402248	642656	5.61%	1.178%
18	19.907	2879	2885	2893	rBV	8620374	11464938	100.00%	21.023%
19	21.289	3117	3120	3125	rBV2	432830	596773	5.21%	1.094%
20	21.618	3171	3176	3182	rVB	1611583	2449164	21.36%	4.491%
21	21.883	3218	3221	3226	rVB	183170	239678	2.09%	0.439%
22	22.836	3380	3383	3388	rVB3	142543	210041	1.83%	0.385%
23	24.971	3739	3746	3756	rVB2	980721	2720353	23.73%	4.988%

Sum of corrected areas: 54536485

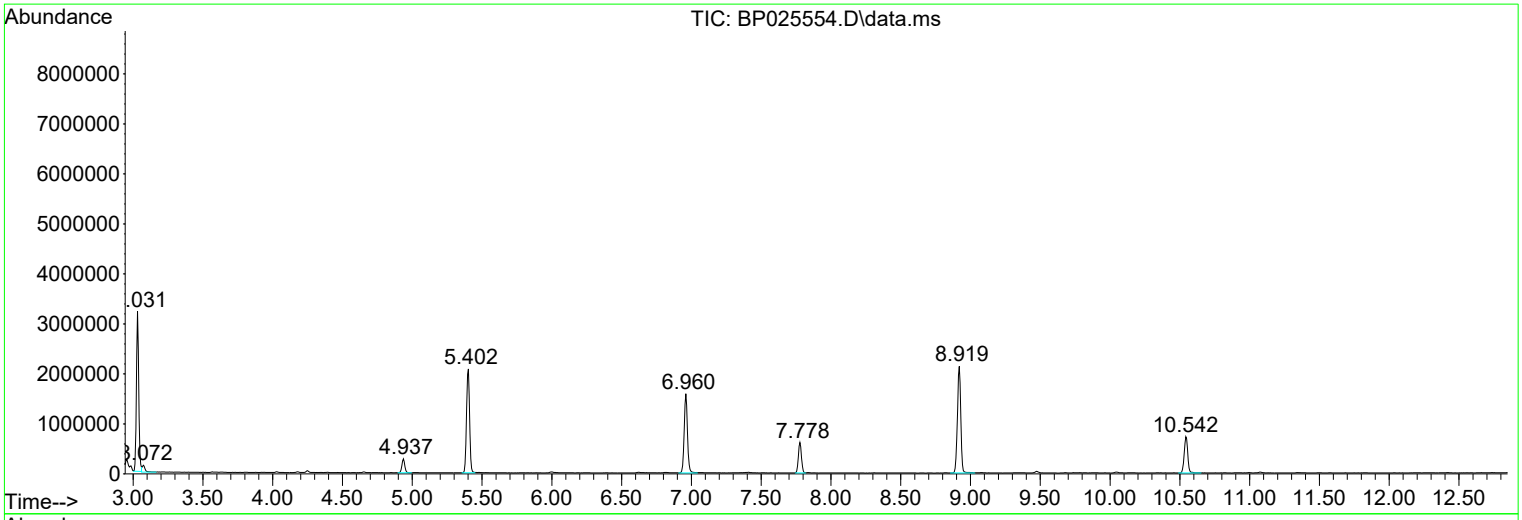
Sample Results: **BP025554.D**

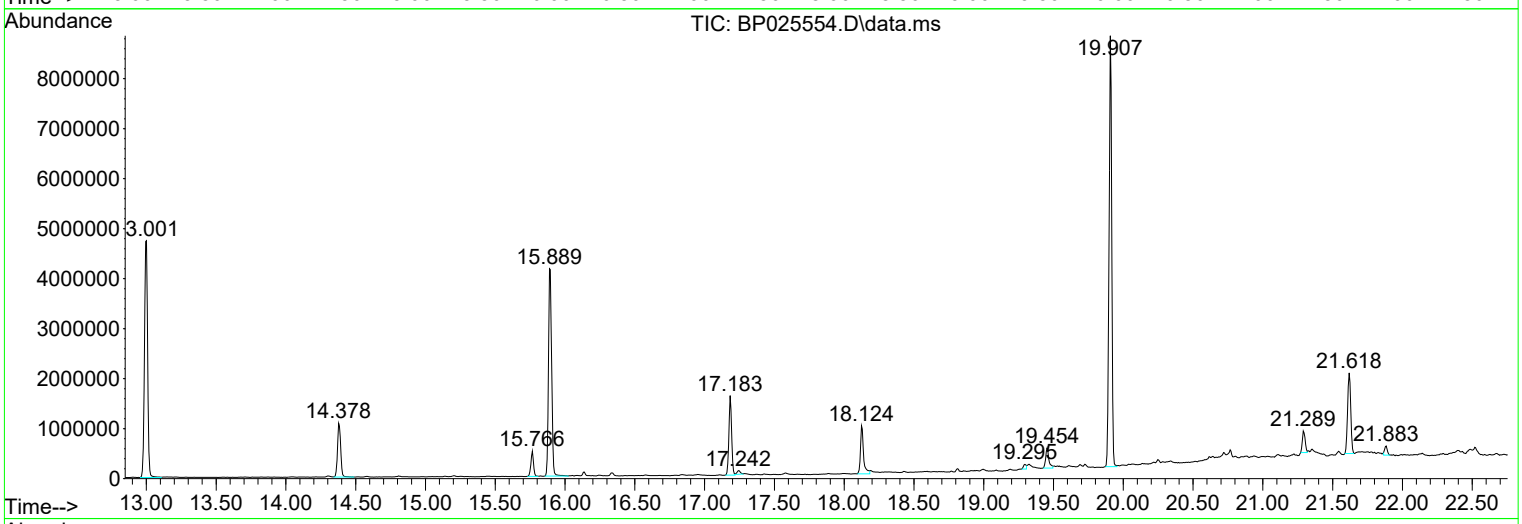
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Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

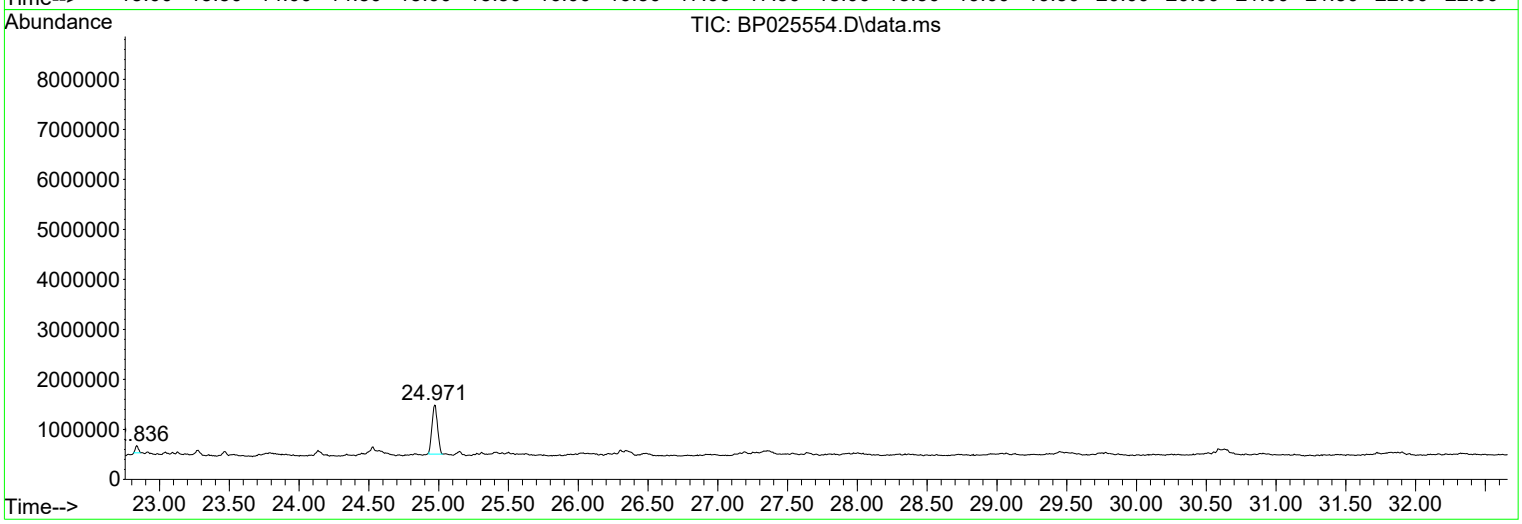
Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

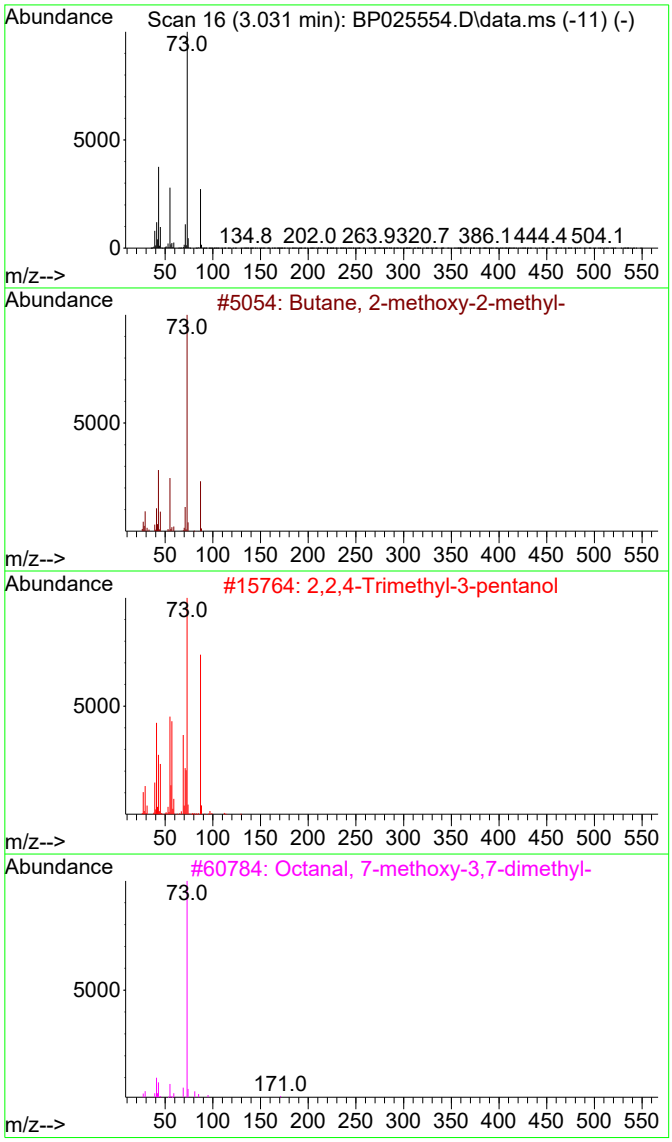
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TIC Integration Parameters: LSCINT.P

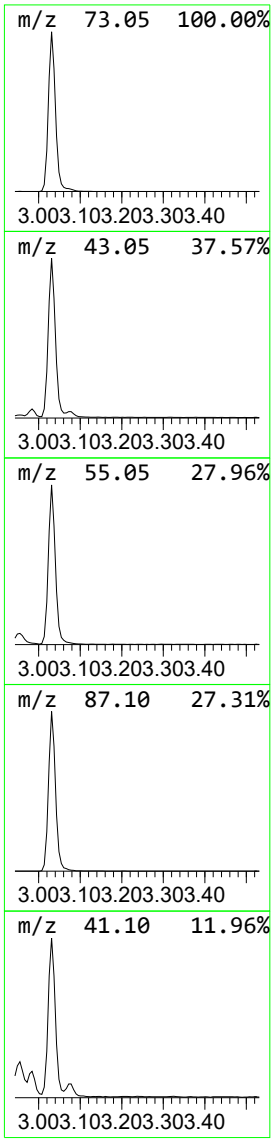
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	80.16 ng	3746620	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

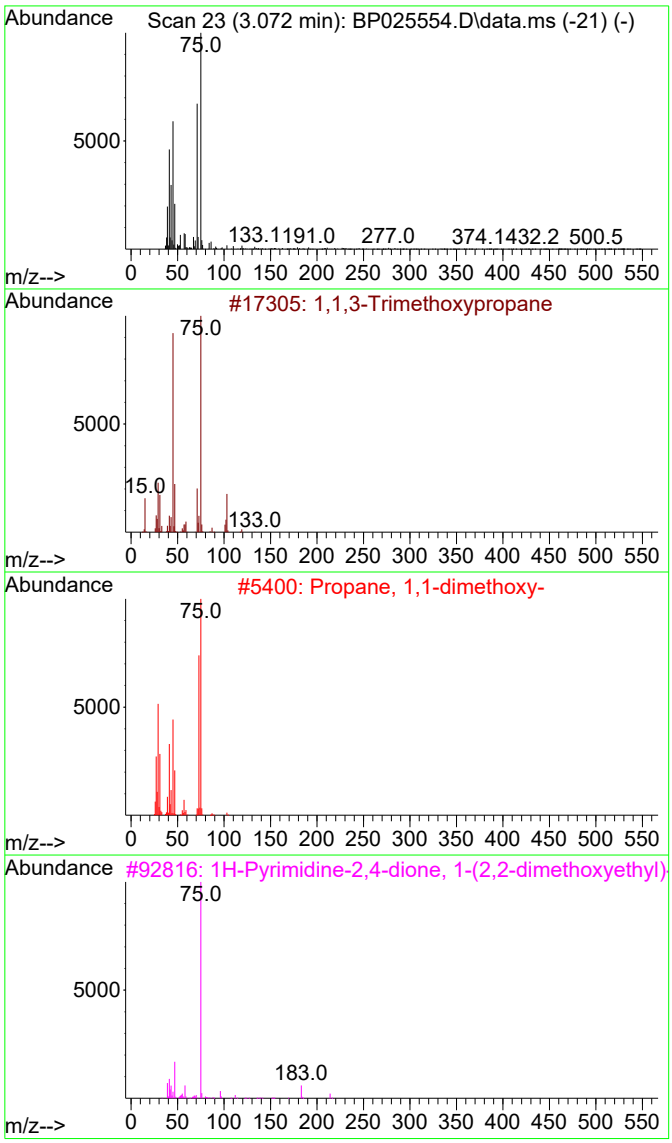
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TIC Integration Parameters: LSCINT.P

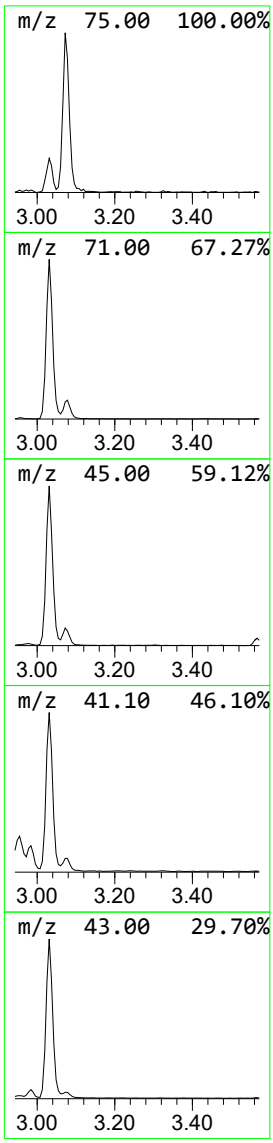
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Peak Number 2 1,1,3-Trimethoxypropane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.072	4.06 ng	189950	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,3-Trimethoxypropane	134	C6H14O3	014315-97-0	56
2	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	45
3	1H-Pyrimidine-2,4-dione, 1-(2,2-...	214	C9H14N2O4	1010302-49-7	37
4	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	10
5	1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

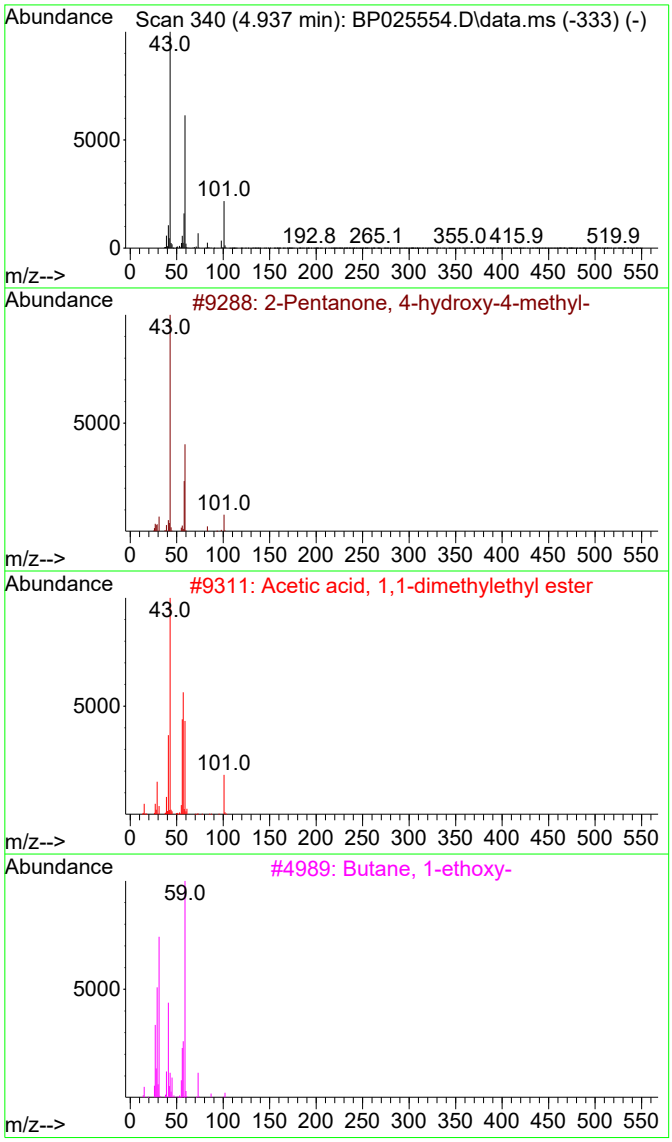
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

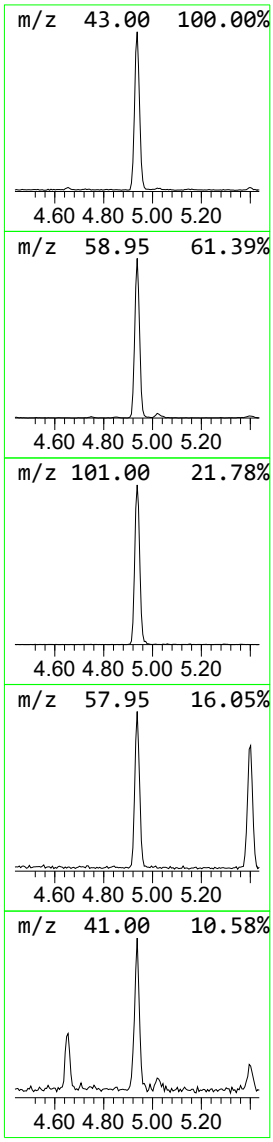
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	8.60 ng	401809	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	25
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	23
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On    : 22 Aug 2025  18:20
Operator  : CG/JU
Sample    : Q2934-02
Misc      :
ALS Vial  : 12   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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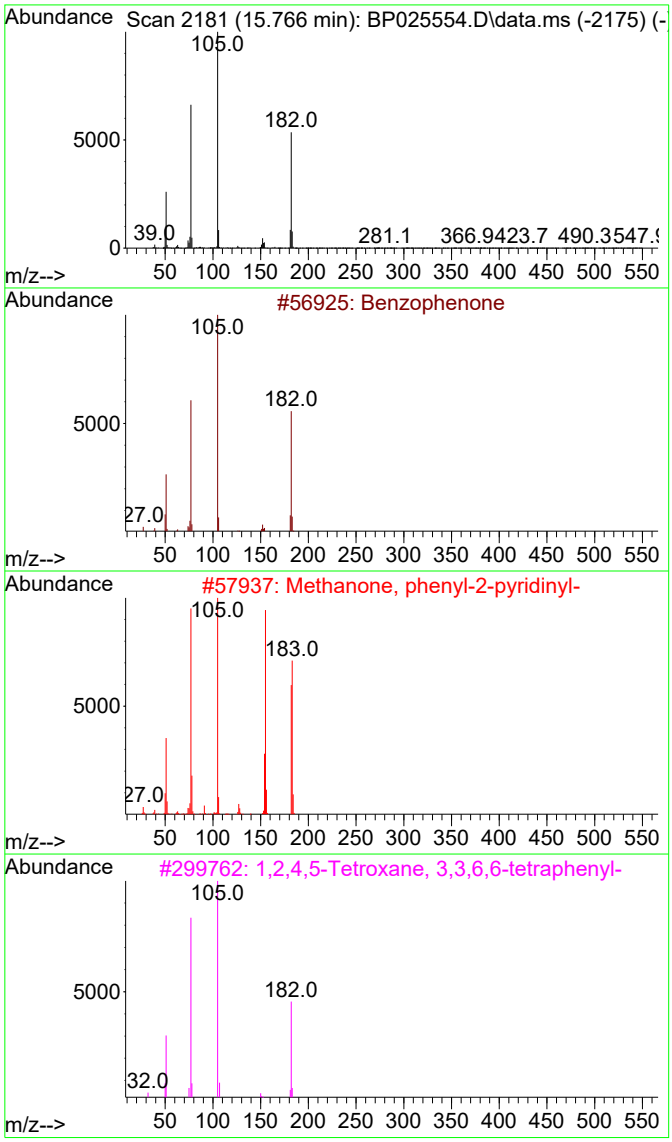
Instrument : BNA_P
ClientSampleId : ENV-SW02

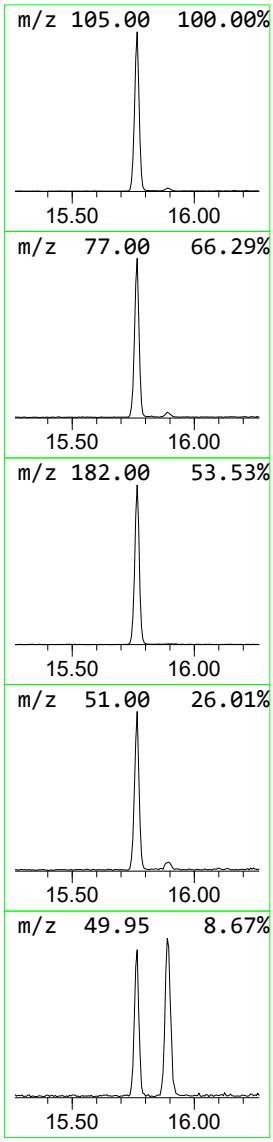
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Peak Number 4 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.766	7.64 ng	658809	Acenaphthene-d10	14.378

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	72
3	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
4	Azobenzene	182	C12H10N2	000103-33-3	64
5	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

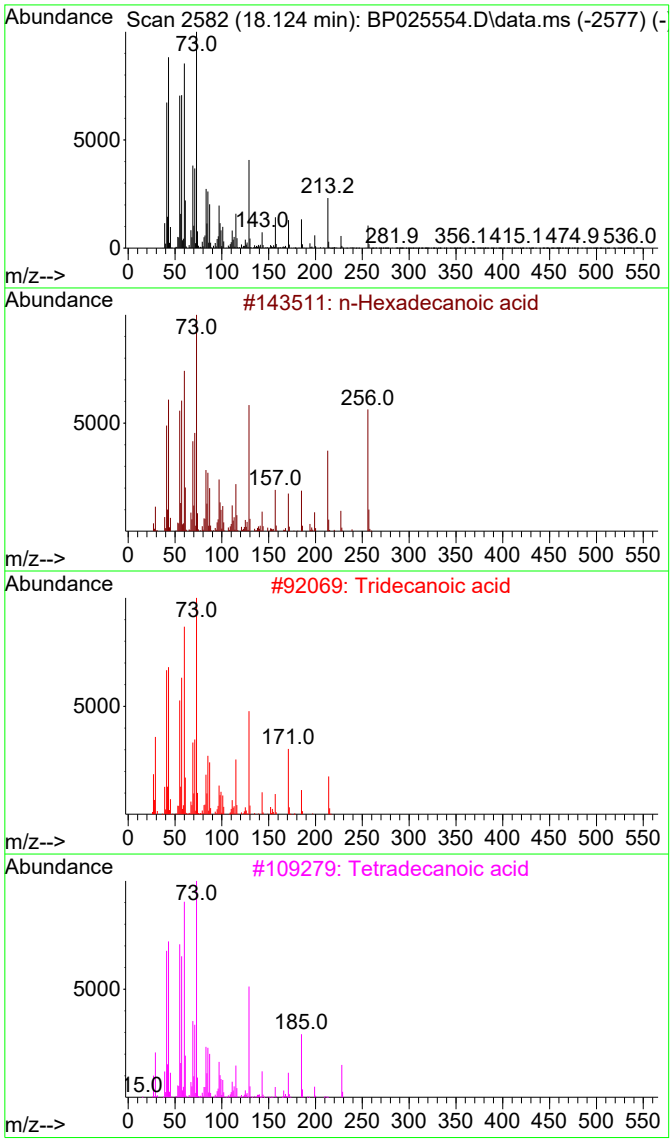
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

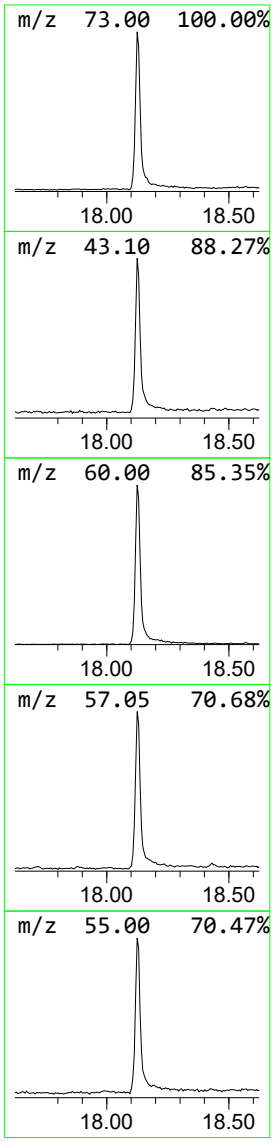
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Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.124	13.93 ng	1485530	Phenanthrene-d10	17.183

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	97
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	Undecanoic acid	186	C11H22O2	000112-37-8	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

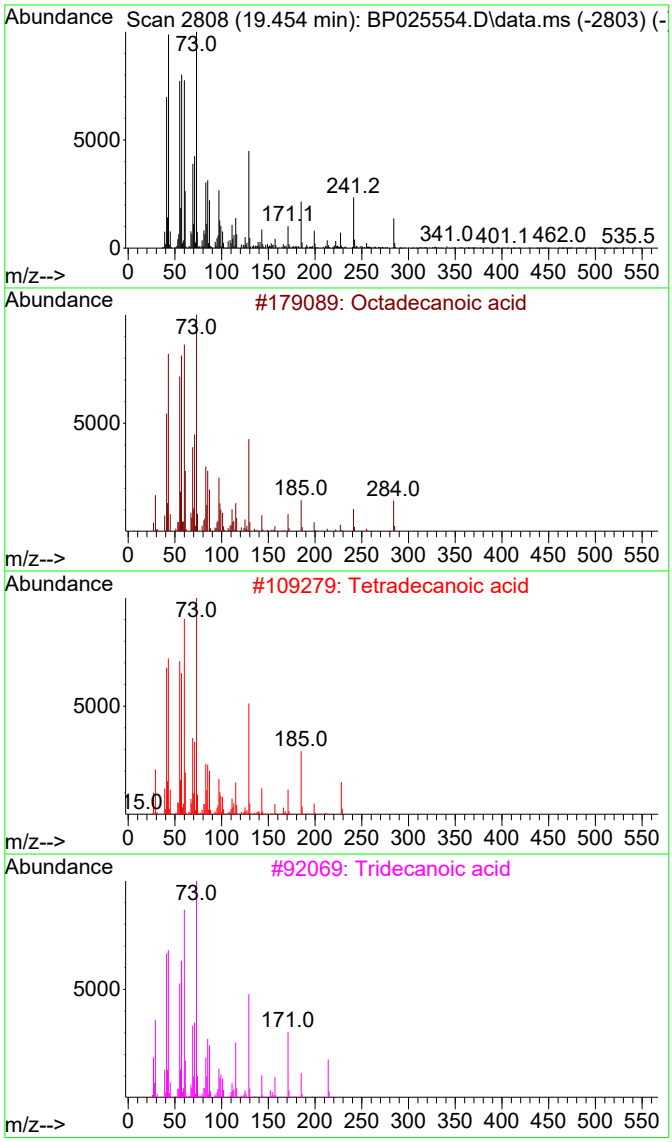
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TIC Integration Parameters: LSCINT.P

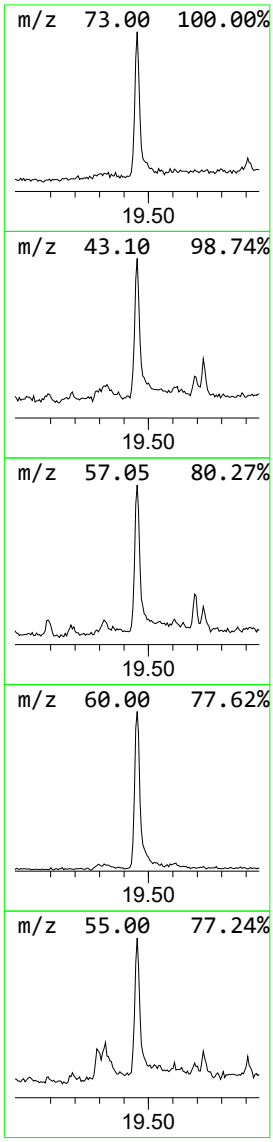
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Peak Number 6 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.454	5.25 ng	642656	Chrysene-d12	21.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

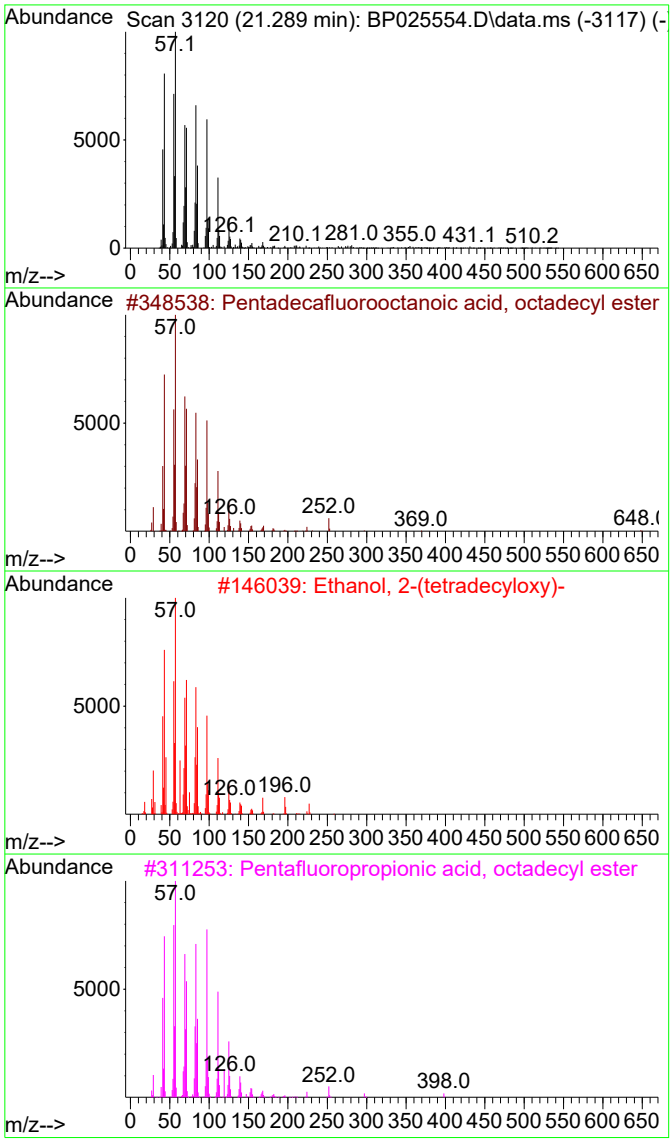
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TIC Integration Parameters: LSCINT.P

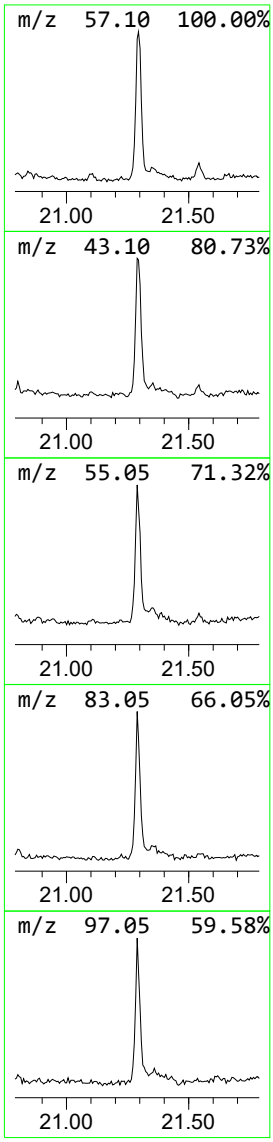
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Peak Number 7 Pentadecafluorooctanoic aci... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.289	4.87 ng	596773	Chrysene-d12	21.618

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	93
3	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	91
4	1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	91
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025554.D
Acq On : 22 Aug 2025 18:20
Operator : CG/JU
Sample : Q2934-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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
Butane, 2-metho...	3.031	80.2	ng	3746620	1	7.778	934843	20.0
1,1,3-Trimethox...	3.072	4.1	ng	189950	1	7.778	934843	20.0
2-Pentanone, 4-...	4.937	8.6	ng	401809	1	7.778	934843	20.0
Benzophenone	15.766	7.6	ng	658809	3	14.378	1724870	20.0
n-Hexadecanoic ...	18.124	13.9	ng	1485530	4	17.183	2133560	20.0
Octadecanoic acid	19.454	5.3	ng	642656	5	21.618	2449160	20.0
Pentadecafluoro...	21.289	4.9	ng	596773	5	21.618	2449160	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Time: Aug 25 01:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

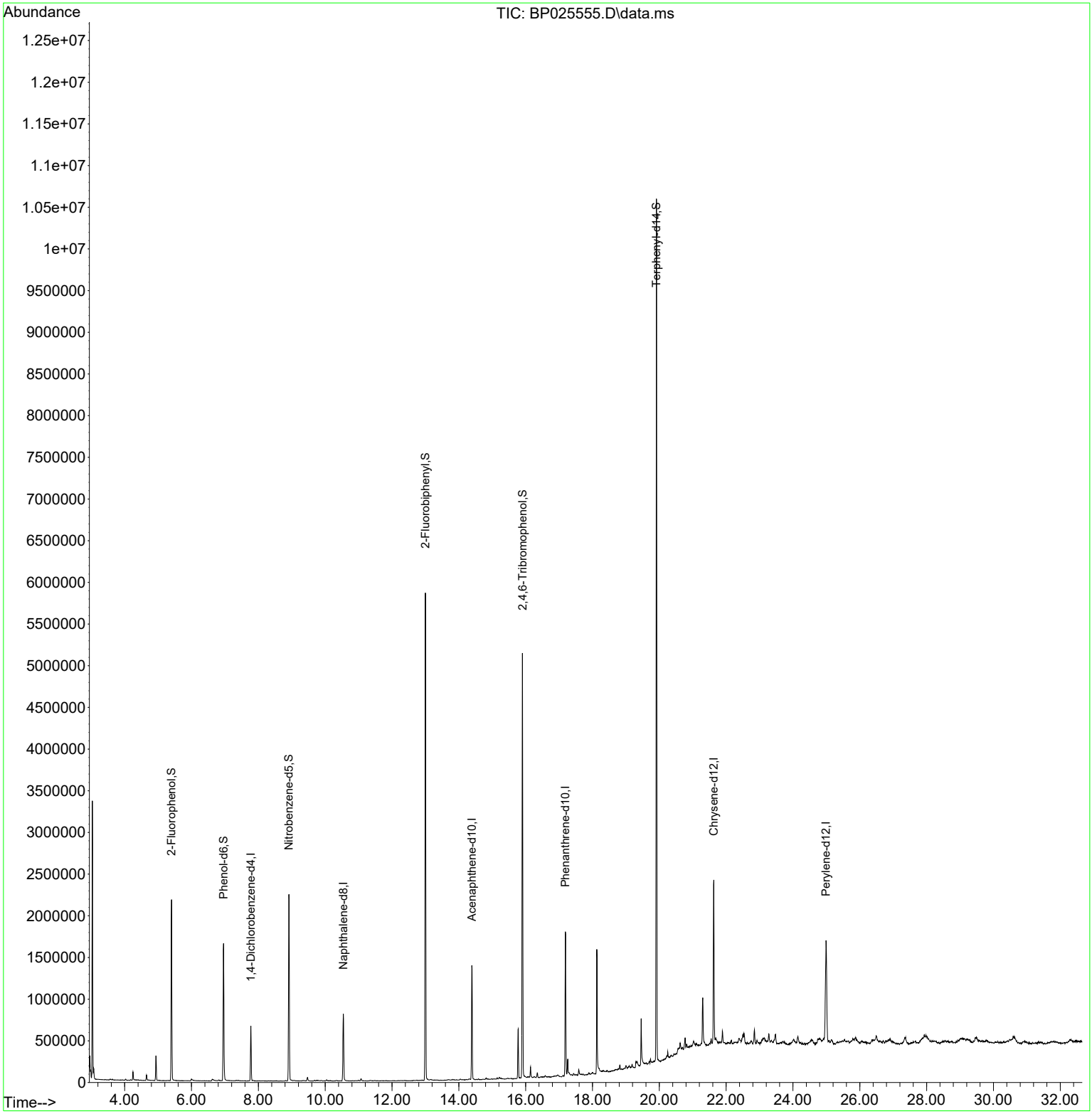
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	170537	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	719655	20.000	ng	-0.02
39) Acenaphthene-d10	14.389	164	487572	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	1036598	20.000	ng	#-0.01
76) Chrysene-d12	21.630	240	1087225	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1183123	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	919717	89.563	ng	0.00
7) Phenol-d6	6.960	99	953264	72.405	ng	0.00
23) Nitrobenzene-d5	8.913	82	1281998	90.113	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	993021	151.311	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2852203	79.948	ng	-0.02
79) Terphenyl-d14	19.913	244	5090800	85.668	ng	0.00
Target Compounds						Qvalue

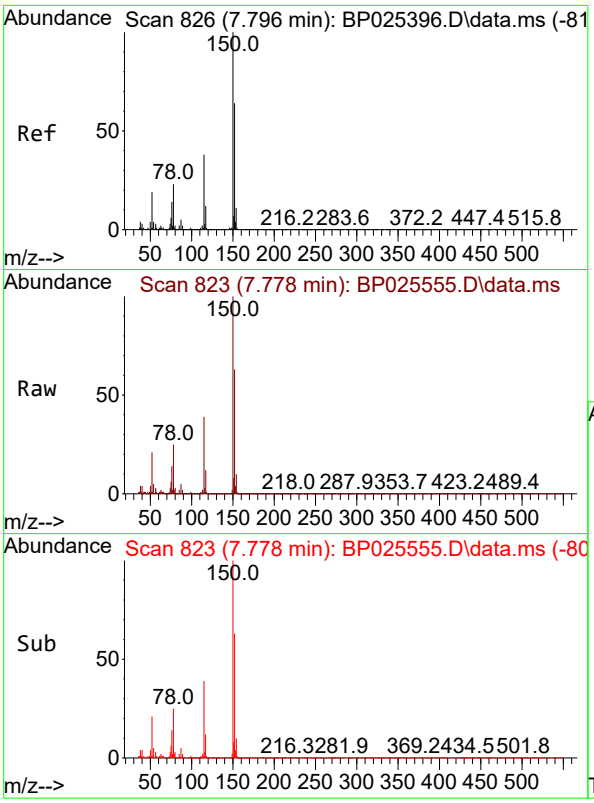
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Time: Aug 25 01:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



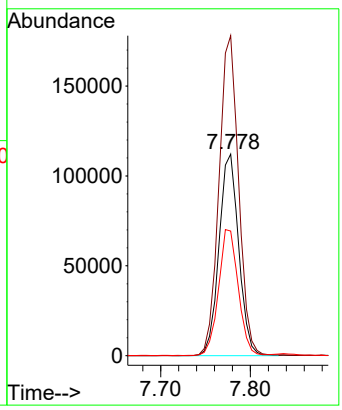


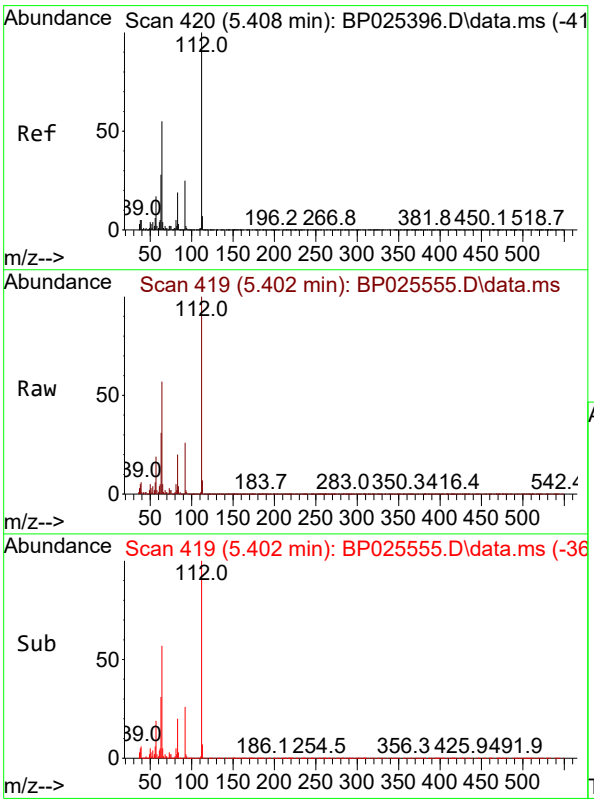
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Tgt Ion:152 Resp: 170537

Ion	Ratio	Lower	Upper
152	100		
150	158.7	125.9	188.9
115	61.8	48.5	72.7

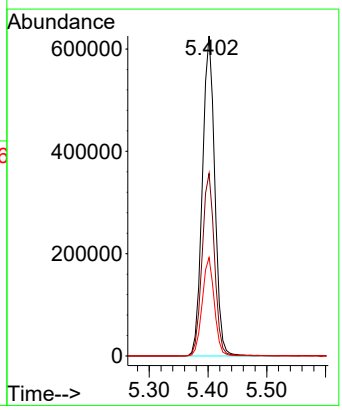


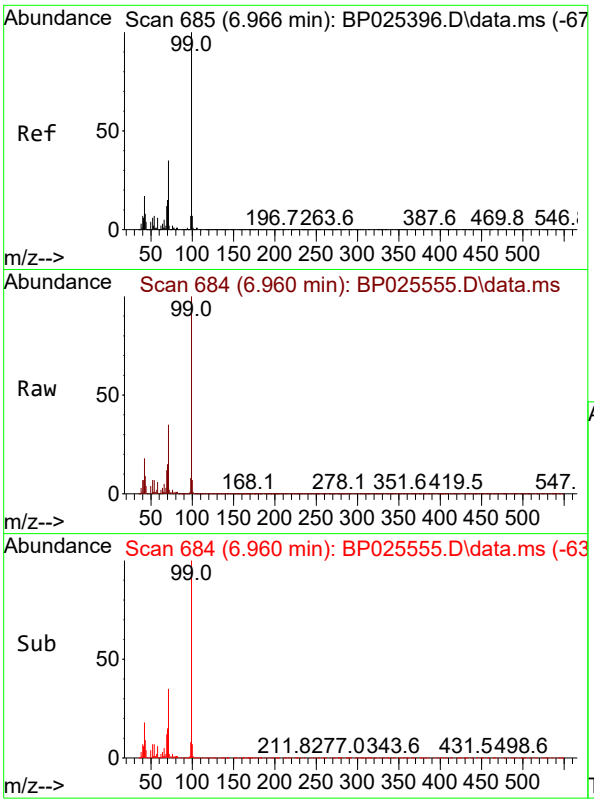


#5
2-Fluorophenol
Concen: 89.563 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Tgt Ion:112 Resp: 919717

Ion	Ratio	Lower	Upper
112	100		
64	57.0	43.8	65.8
63	30.7	22.7	34.1



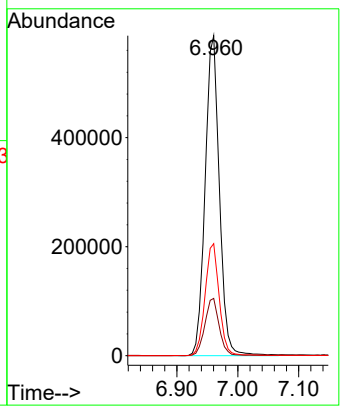


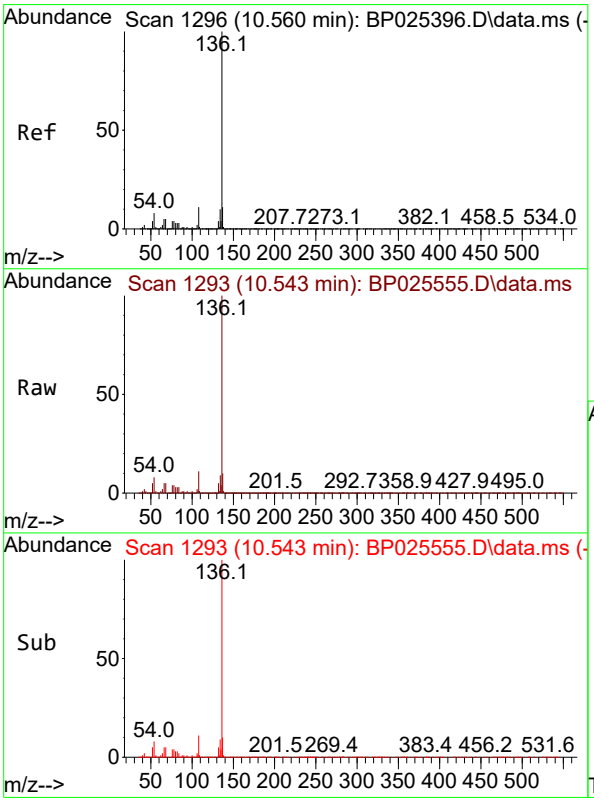
#7
Phenol-d6
Concen: 72.405 ng
RT: 6.960 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Tgt Ion: 99 Resp: 953264

Ion	Ratio	Lower	Upper
99	100		
42	17.9	13.7	20.5
71	35.0	28.2	42.4

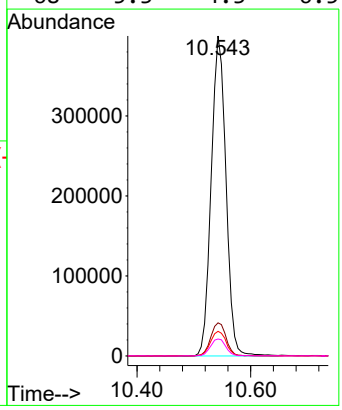


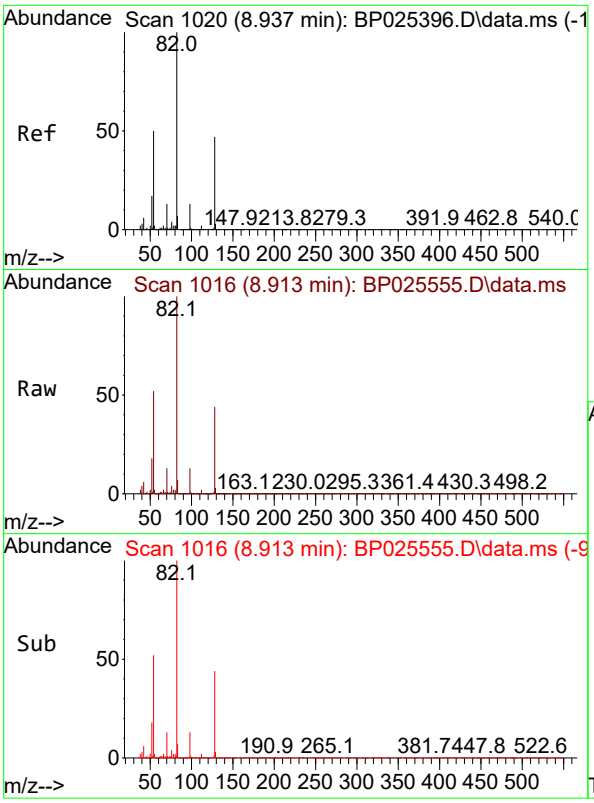


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Tgt Ion:136 Resp: 719655

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	7.7	6.0	9.0
68	5.3	4.3	6.5



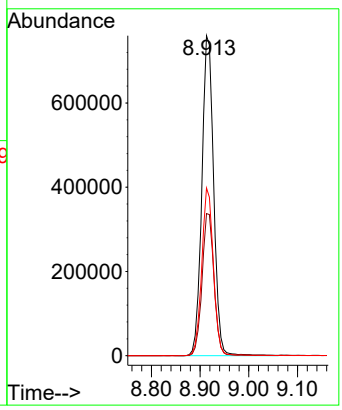


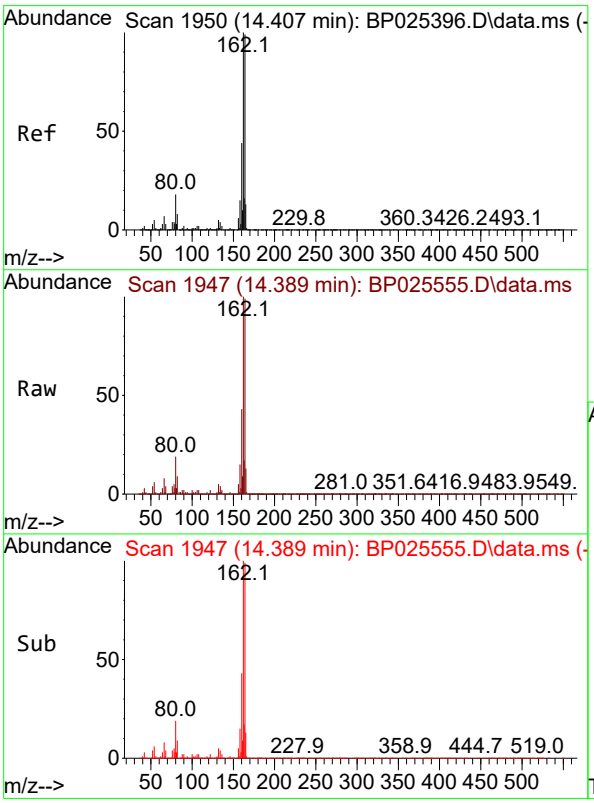
#23
Nitrobenzene-d5
Concen: 90.113 ng
RT: 8.913 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Tgt Ion: 82 Resp: 1281998

Ion	Ratio	Lower	Upper
82	100		
128	44.4	37.7	56.5
54	52.4	39.8	59.6

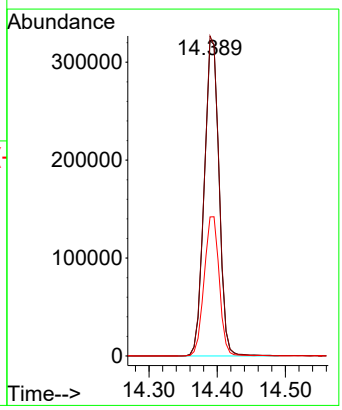


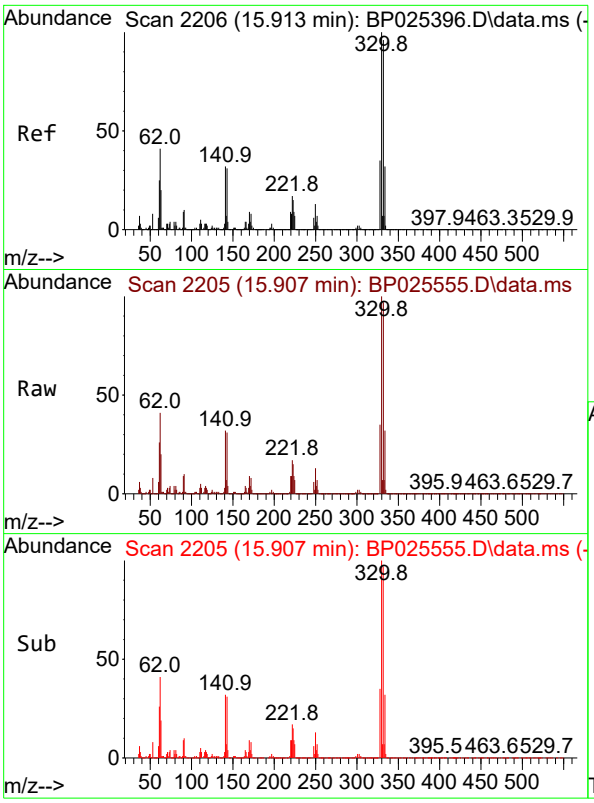


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.389 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Tgt Ion:164 Resp: 487572

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.0	121.6
160	44.1	35.4	53.2



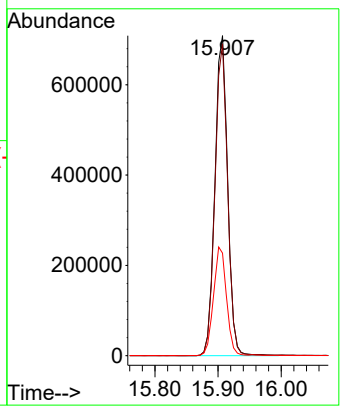


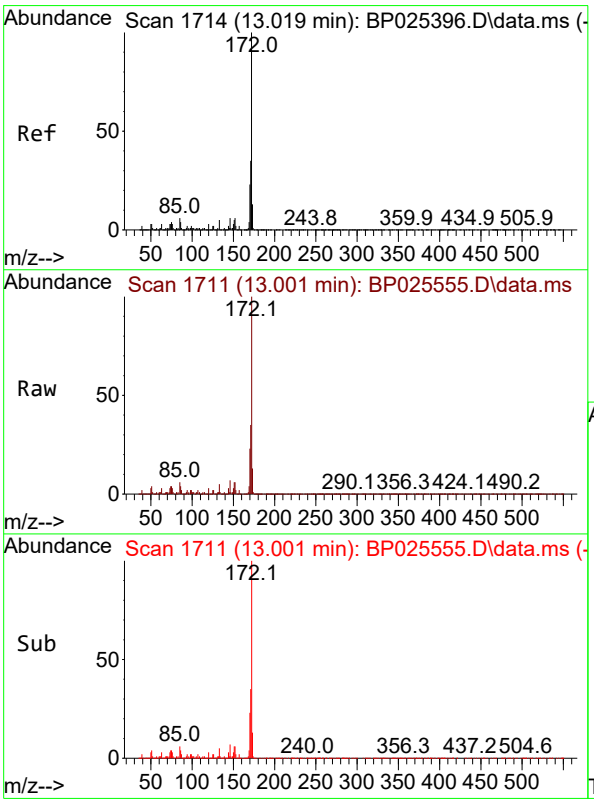
#42
2,4,6-Tribromophenol
Concen: 151.311 ng
RT: 15.907 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Tgt Ion:330 Resp: 993021

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	34.8	26.6	39.8

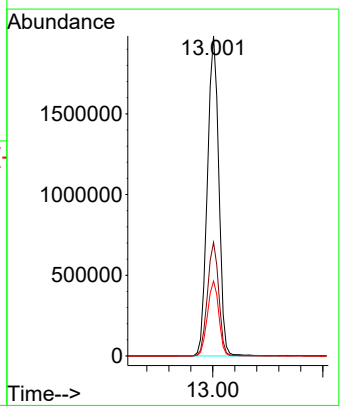


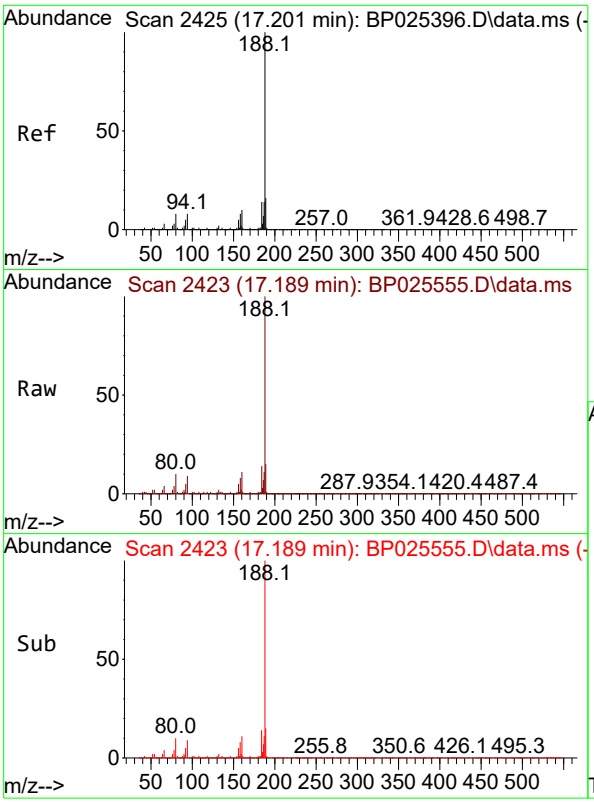


#45
2-Fluorobiphenyl
Concen: 79.948 ng
RT: 13.001 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Tgt Ion:172 Resp: 2852203

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.1	42.1
170	23.4	18.6	28.0



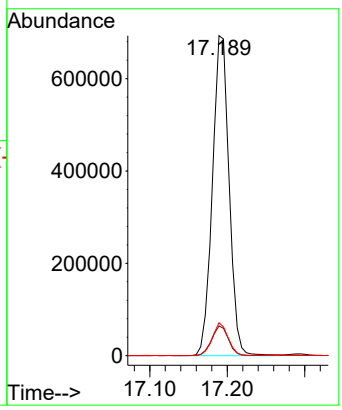


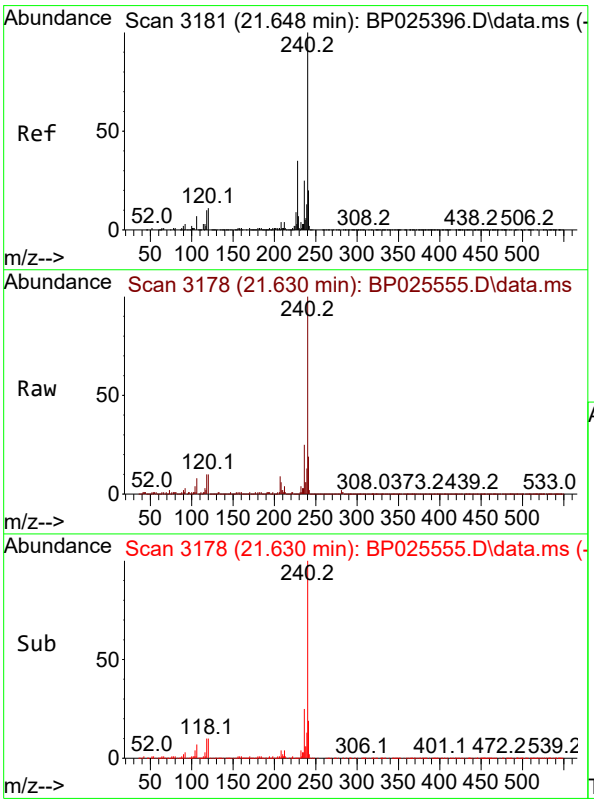
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Tgt Ion:188 Resp: 1036598

Ion	Ratio	Lower	Upper
188	100		
94	9.3	6.6	10.0
80	10.3	6.7	10.1#

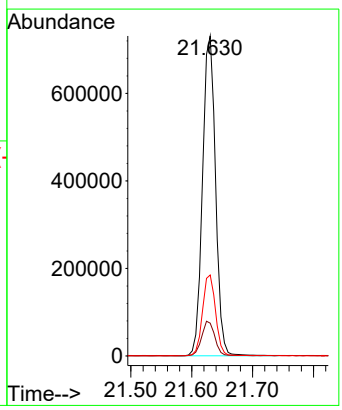


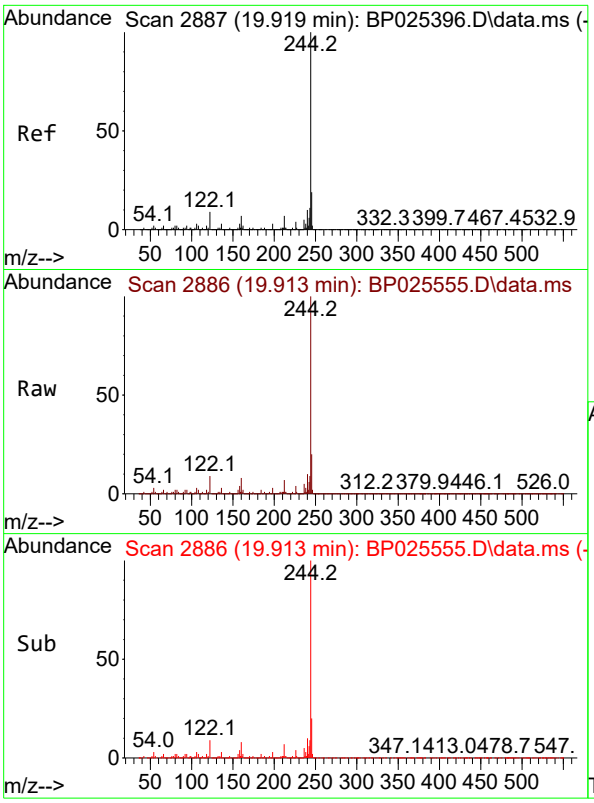


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Tgt Ion:240 Resp: 1087225

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	25.3	19.8	29.8



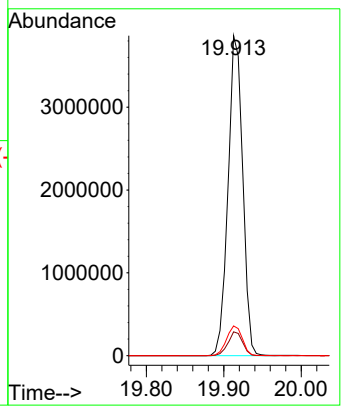


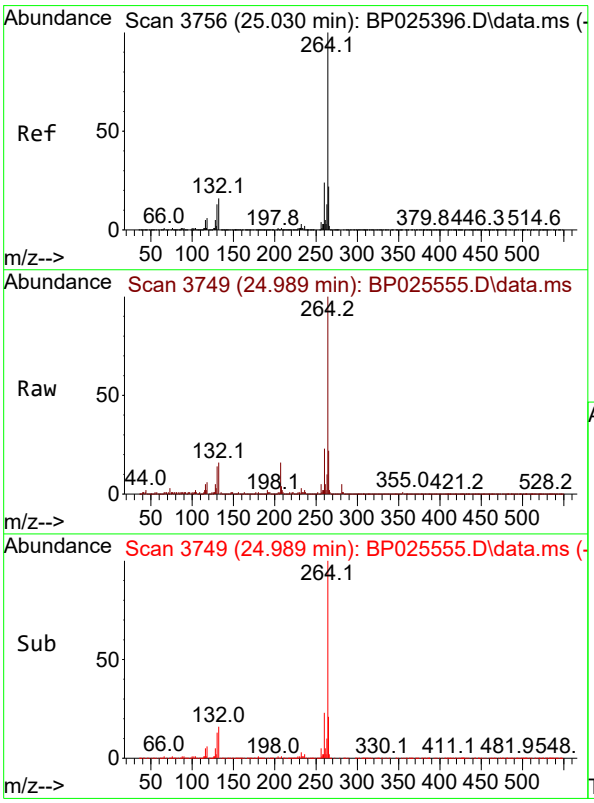
#79
Terphenyl-d14
Concen: 85.668 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Tgt Ion:244 Resp: 5090800

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.3	7.4	11.2

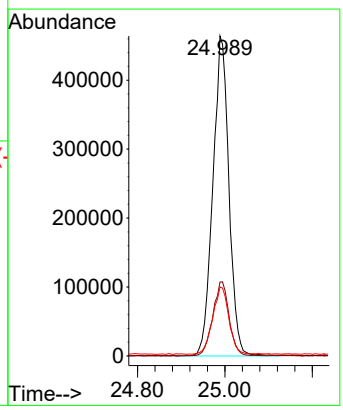




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 3749
Delta R.T. -0.041 min
Lab File: BP025555.D
Acq: 22 Aug 2025 19:02

Tgt Ion:264 Resp: 1183123

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.3	28.9
265	21.6	17.4	26.0



Sample Results: **BP025555.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

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_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025555.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.031	12	16	21	rBV	3323573	3780963	27.30%	6.072%
2	3.072	21	23	33	rVB	129456	171055	1.24%	0.275%
3	4.249	218	223	230	rBV	100957	141940	1.02%	0.228%
4	4.937	334	340	347	rBV	297903	415863	3.00%	0.668%
5	5.402	412	419	428	rBV	2171542	3166552	22.87%	5.085%
6	6.960	677	684	699	rBV	1644692	2705277	19.54%	4.344%
7	7.778	816	823	830	rBV	656979	1005316	7.26%	1.614%
8	8.913	1008	1016	1029	rBV	2238111	3787708	27.35%	6.083%
9	10.543	1285	1293	1309	rBV	806140	1483103	10.71%	2.382%
10	13.001	1704	1711	1730	rBV	5847734	8381573	60.53%	13.460%
11	14.389	1941	1947	1957	rBV	1366236	2063884	14.90%	3.314%
12	15.778	2177	2183	2189	rBV	595267	859409	6.21%	1.380%
13	15.901	2198	2204	2215	rBV	5091616	7515827	54.27%	12.070%
14	16.148	2241	2246	2255	rVB	128024	184081	1.33%	0.296%
15	17.189	2417	2423	2430	rBV	1732110	2614422	18.88%	4.198%
16	17.260	2430	2435	2439	rVV2	180572	230845	1.67%	0.371%
17	18.130	2578	2583	2594	rBV	1494674	2098186	15.15%	3.369%
18	19.460	2805	2809	2820	rBV	550366	790999	5.71%	1.270%
19	19.913	2880	2886	2899	rVB	10341737	13847919	100.00%	22.238%
20	21.301	3117	3122	3128	rBV	536235	866354	6.26%	1.391%
21	21.630	3172	3178	3185	rBV2	1940715	2981871	21.53%	4.789%
22	24.989	3742	3749	3760	rVB	1216251	3177692	22.95%	5.103%

Sum of corrected areas: 62270839

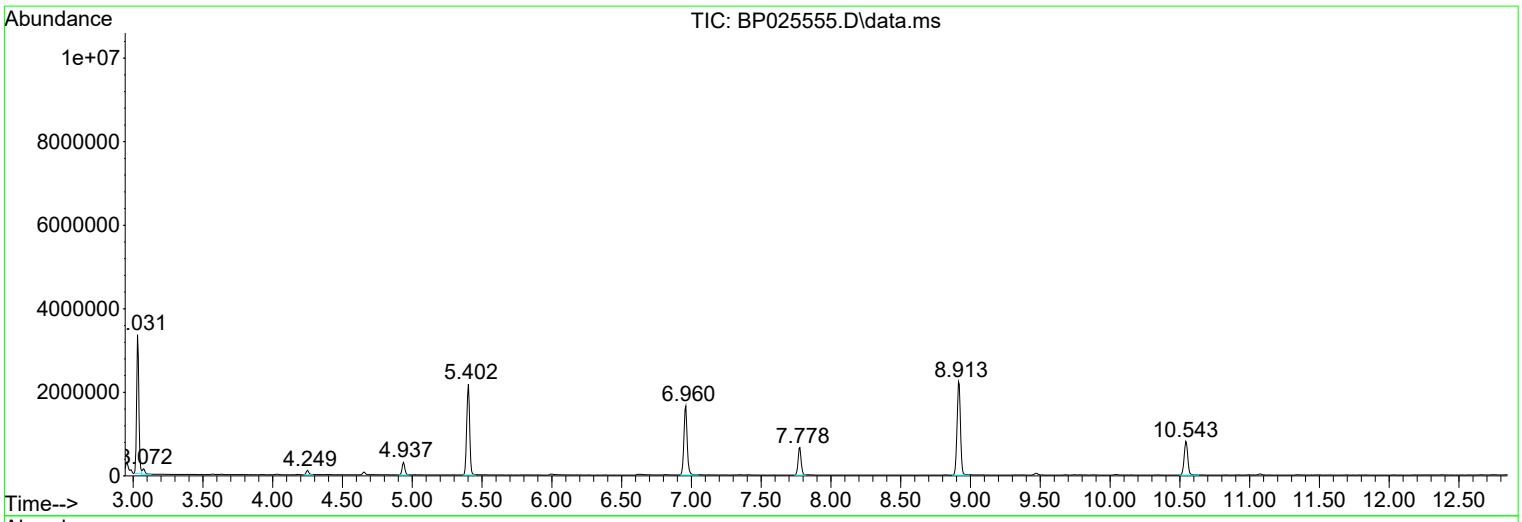
Sample Results: **BP025555.D**

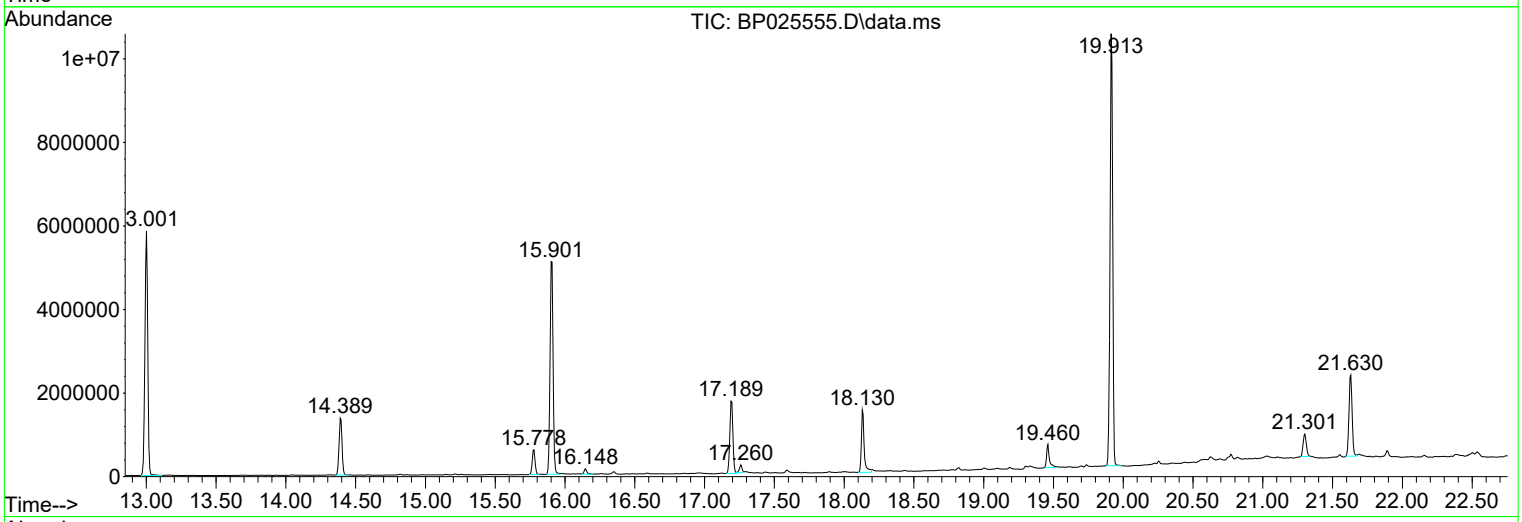
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

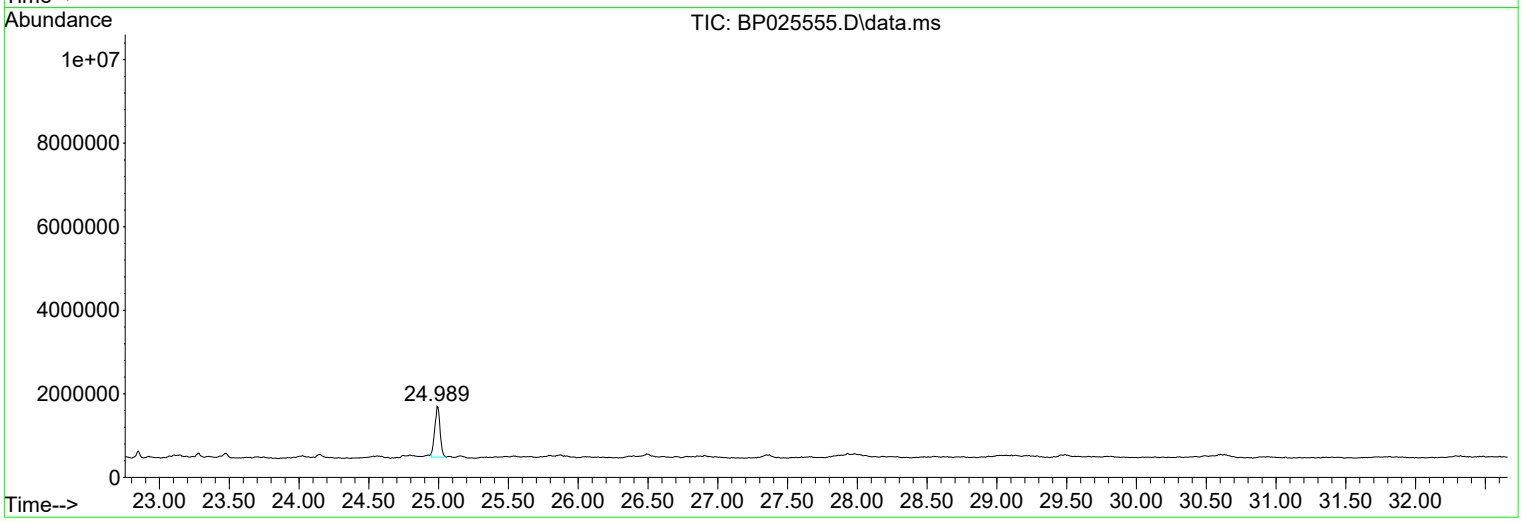
Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

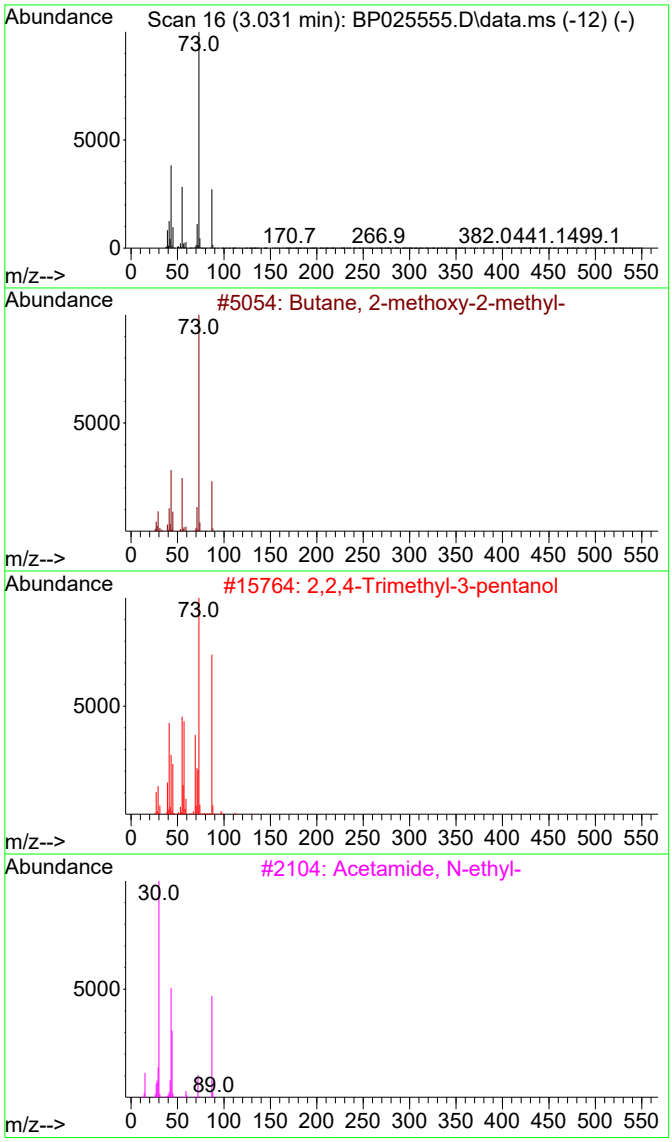
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

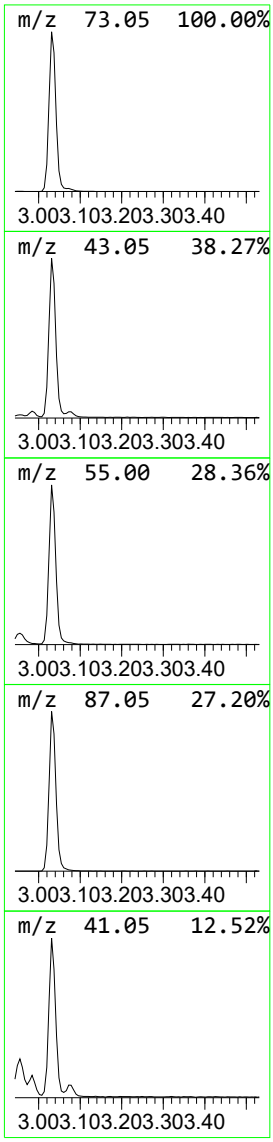
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	75.22 ng	3780960	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

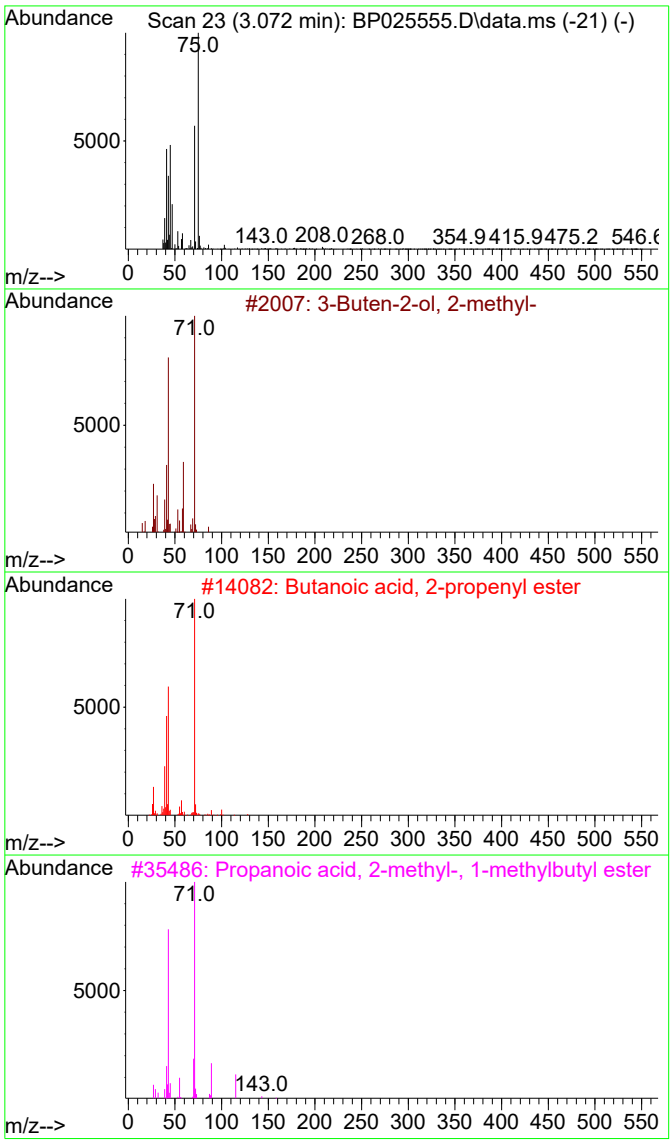
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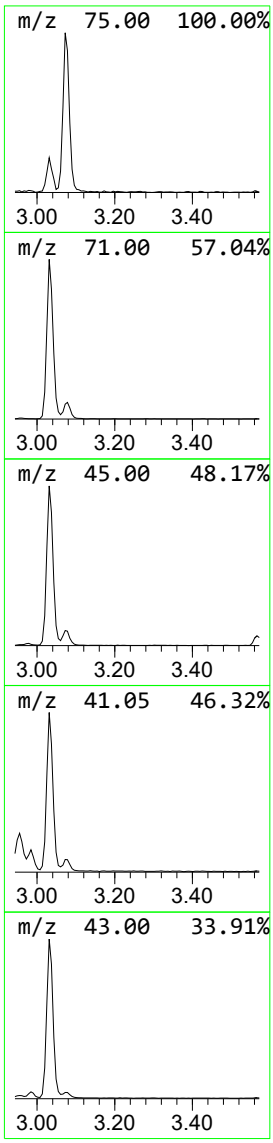
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Peak Number 2 unknown3.072 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.072	3.40 ng	171055	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	10
2	Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	10
3	Propanoic acid, 2-methyl-, 1-met...	158	C9H18O2	054340-93-1	9
4	.+/-.-Tetrahydro-3-furanmethanol	102	C5H10O2	015833-61-1	9
5	Succinic acid, pentyl tetrahydro...	272	C14H24O5	1000329-86-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

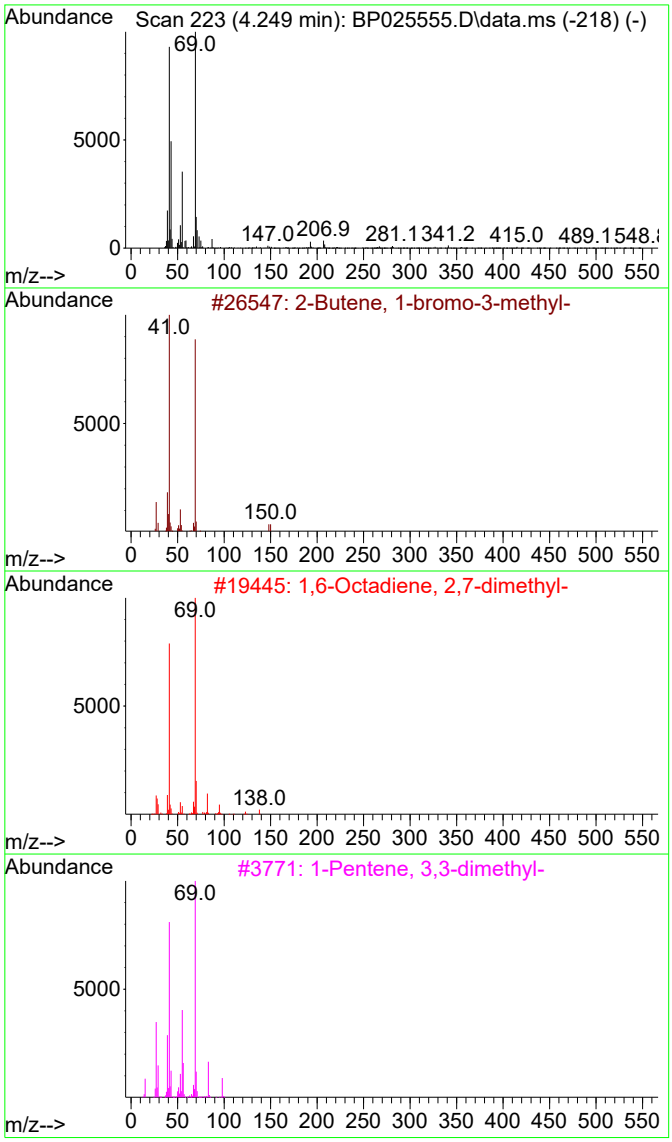
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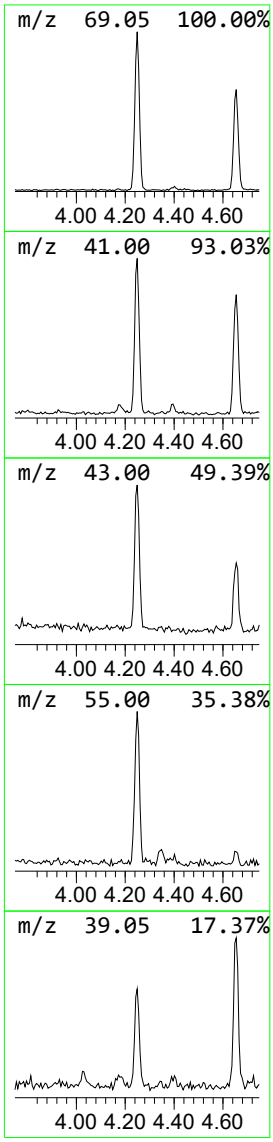
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Peak Number 3 2-Butene, 1-bromo-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.249	2.82 ng	141940	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	53
2	1,6-Octadiene, 2,7-dimethyl-	138	C10H18	040195-09-3	45
3	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	45
4	2-Butyn-1-ol	70	C4H6O	000764-01-2	45
5	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	36





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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On    : 22 Aug 2025  19:02
Operator  : CG/JU
Sample    : Q2934-03
Misc      :
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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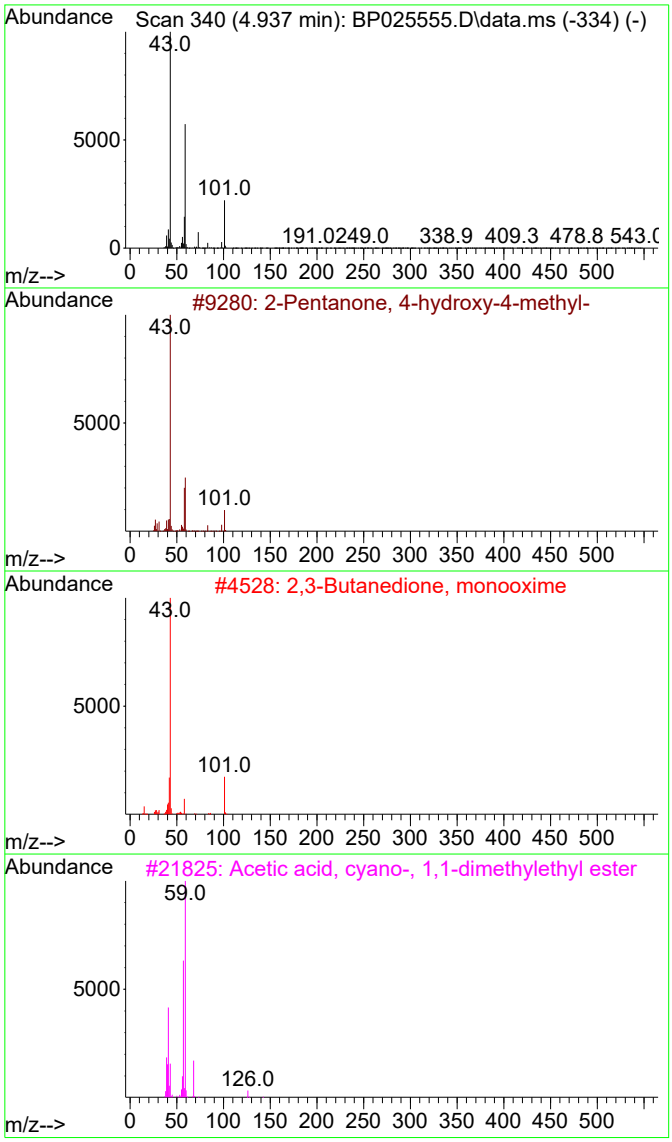
Instrument :
BNA_P
ClientSampleId :
ENV-SW03

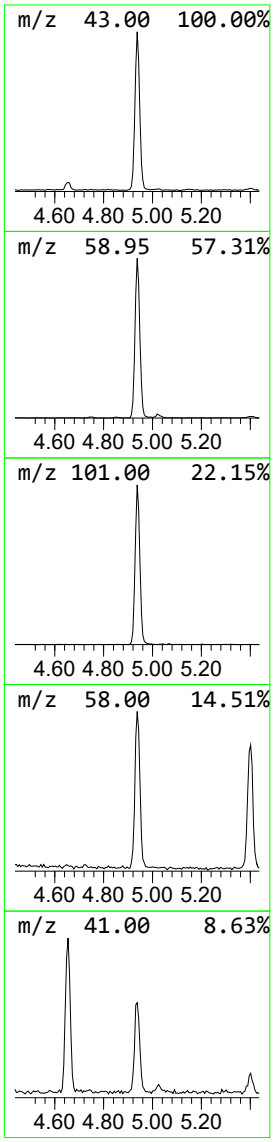
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Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	8.27 ng	415863	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	17
5	Formamide, N,N-diethyl-	101	C5H11NO	000617-84-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

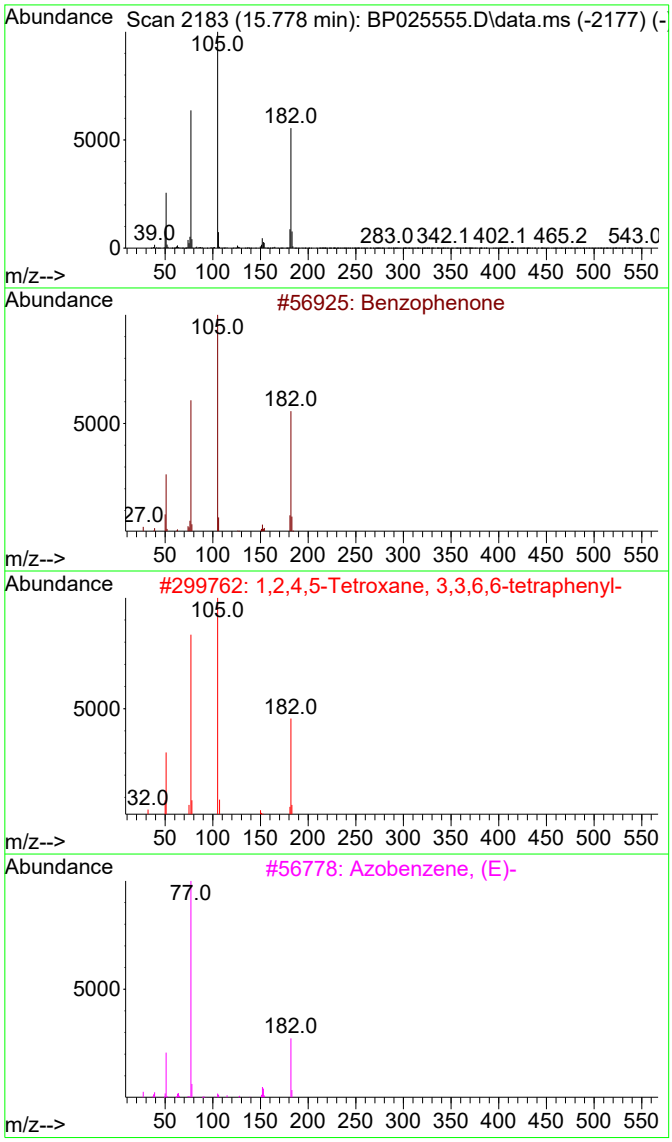
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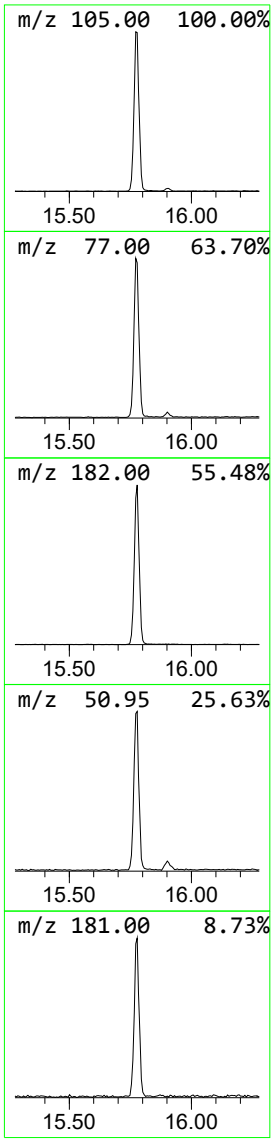
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Peak Number 5 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.778	8.33 ng	859409	Acenaphthene-d10	14.389

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	64
3	Azobenzene, (E)-	182	C12H10N2	017082-12-1	59
4	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	56
5	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

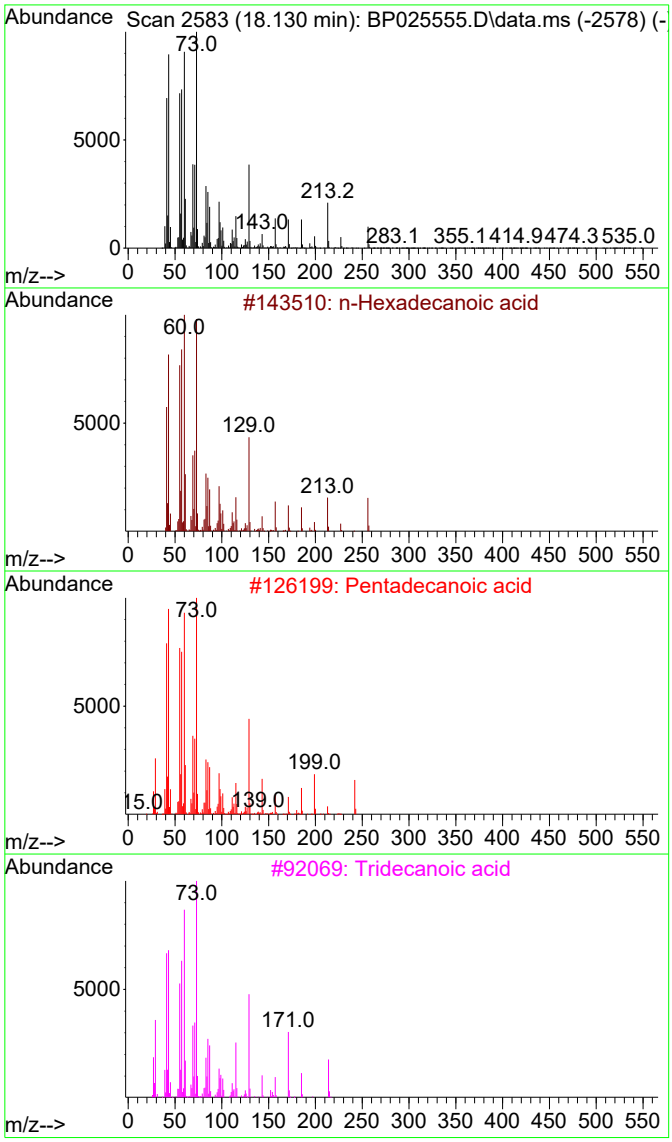
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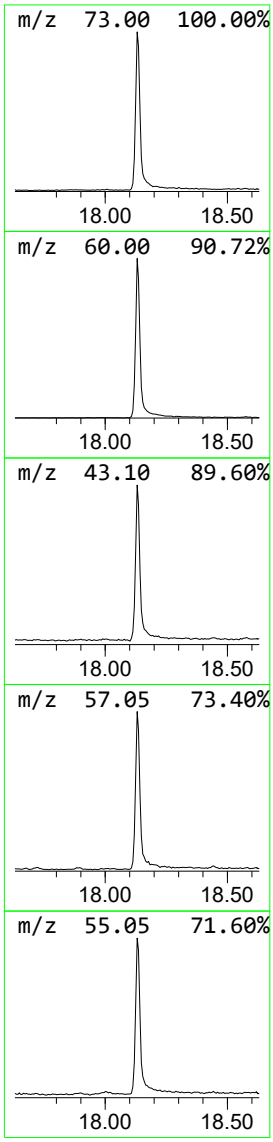
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Peak Number 6 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.130	16.05 ng	2098190	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

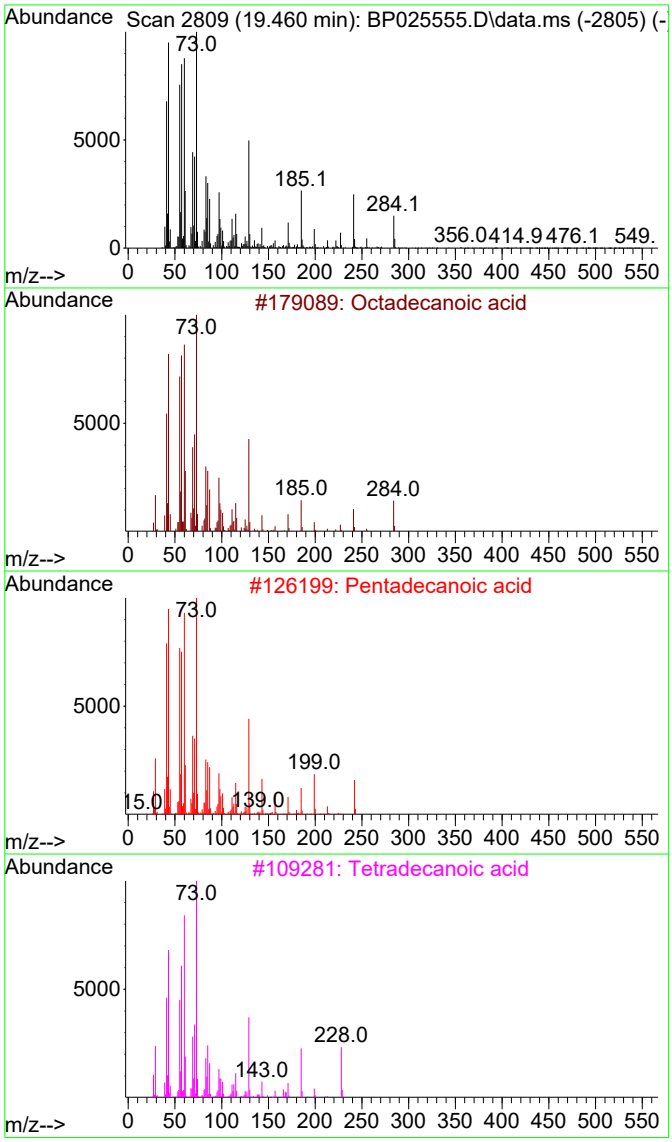
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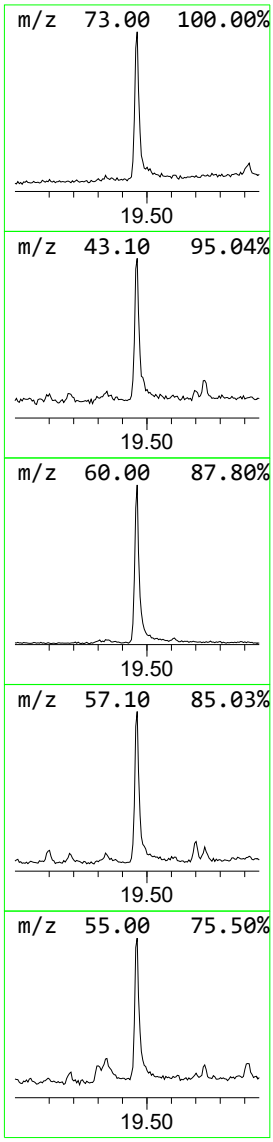
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Peak Number 7 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.460	5.31 ng	790999	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

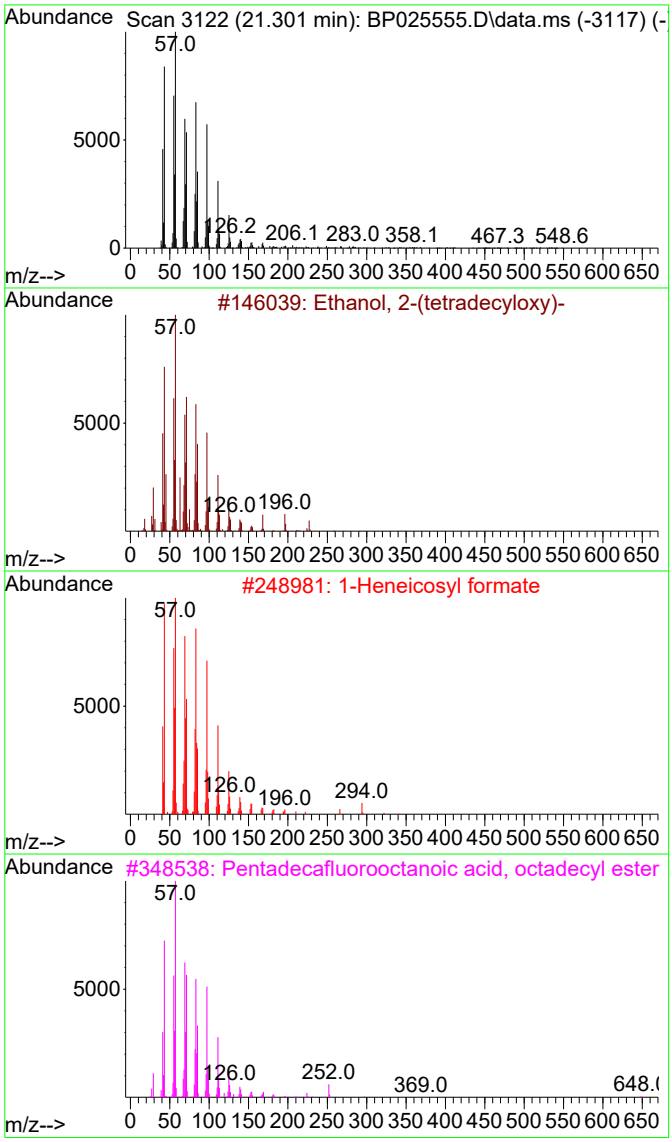
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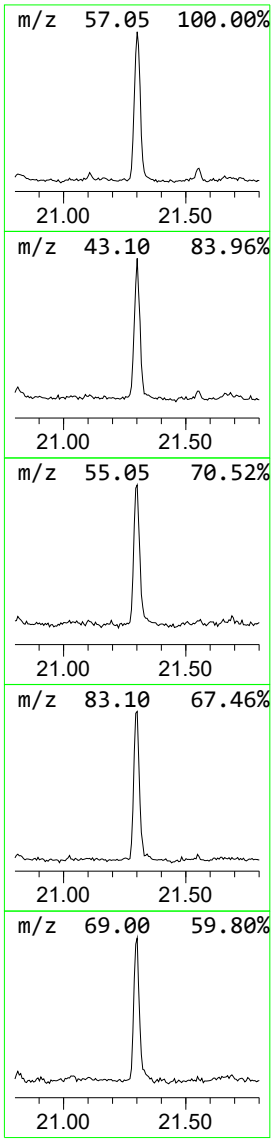
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Peak Number 8 Ethanol, 2-(tetradecyloxy)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.301	5.81 ng	866354	Chrysene-d12	21.630

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	95
2	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	93
5	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025555.D
Acq On : 22 Aug 2025 19:02
Operator : CG/JU
Sample : Q2934-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW03

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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
Butane, 2-metho...	3.031	75.2	ng	3780960	1	7.778	1005320	20.0
unknown3.072	3.072	3.4	ng	171055	1	7.778	1005320	20.0
2-Butene, 1-bro...	4.249	2.8	ng	141940	1	7.778	1005320	20.0
2-Pentanone, 4-...	4.937	8.3	ng	415863	1	7.778	1005320	20.0
Benzophenone	15.778	8.3	ng	859409	3	14.389	2063880	20.0
n-Hexadecanoic ...	18.130	16.1	ng	2098190	4	17.189	2614420	20.0
Octadecanoic acid	19.460	5.3	ng	790999	5	21.630	2981870	20.0
Ethanol, 2-(tet...	21.301	5.8	ng	866354	5	21.630	2981870	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Time: Aug 25 01:19:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

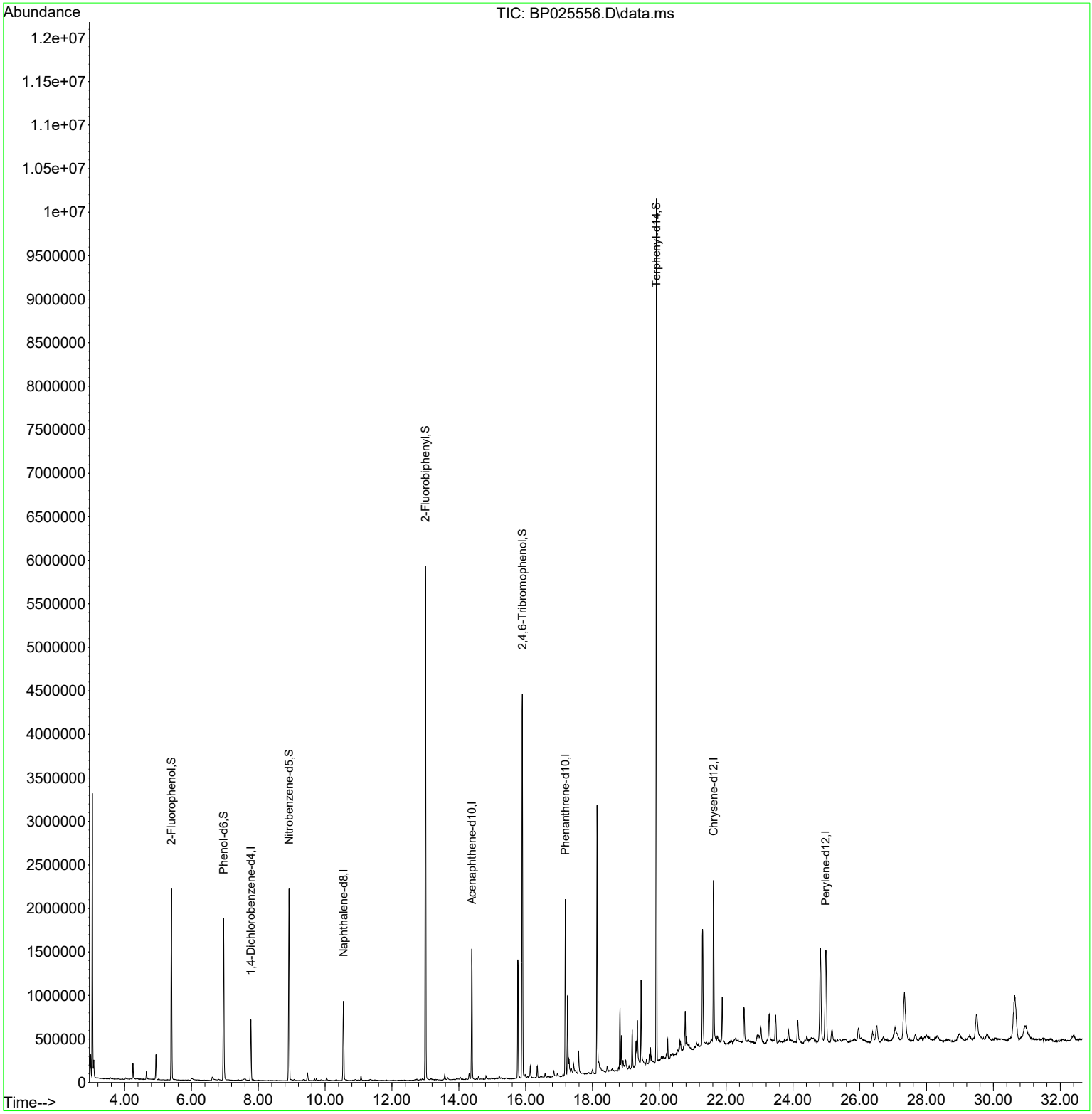
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	193608	20.000	ng	-0.02
21) Naphthalene-d8	10.548	136	812188	20.000	ng	-0.01
39) Acenaphthene-d10	14.389	164	530149	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	1097906	20.000	ng	-0.01
76) Chrysene-d12	21.624	240	1088352	20.000	ng	-0.02
86) Perylene-d12	24.983	264	1208913	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	968050	83.036	ng	0.00
7) Phenol-d6	6.960	99	1078216	72.137	ng	0.00
23) Nitrobenzene-d5	8.919	82	1297900	80.837	ng	-0.02
42) 2,4,6-Tribromophenol	15.901	330	951215	133.301	ng	-0.01
45) 2-Fluorobiphenyl	13.001	172	2894400	74.615	ng	-0.02
79) Terphenyl-d14	19.913	244	4468794	75.123	ng	0.00
Target Compounds						Qvalue

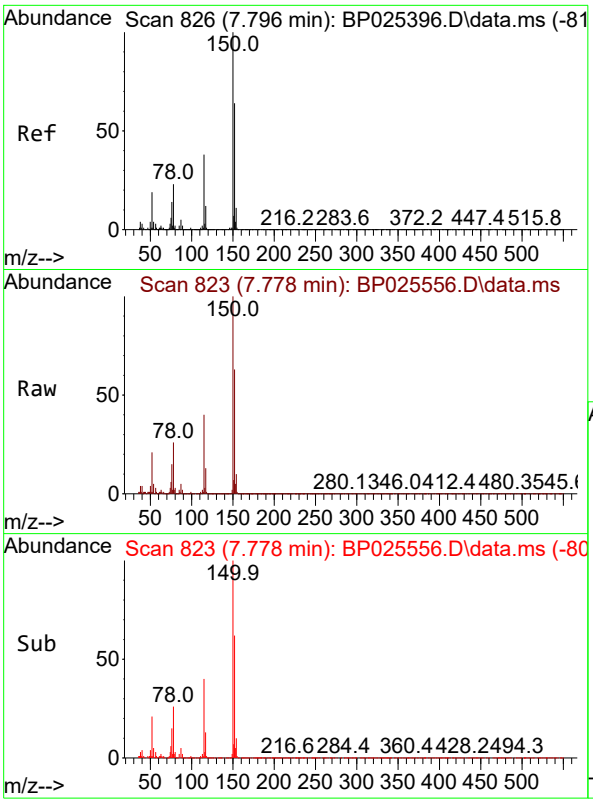
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Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Time: Aug 25 01:19:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



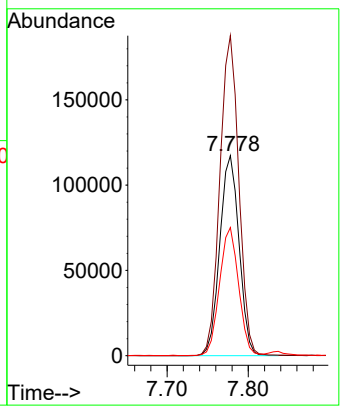


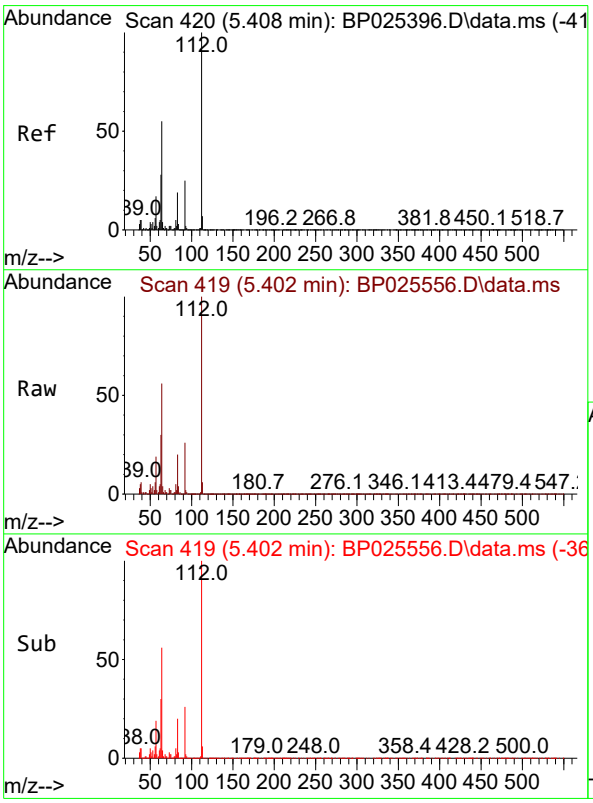
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Tgt Ion:152 Resp: 193608

Ion	Ratio	Lower	Upper
152	100		
150	160.0	125.9	188.9
115	64.1	48.5	72.7

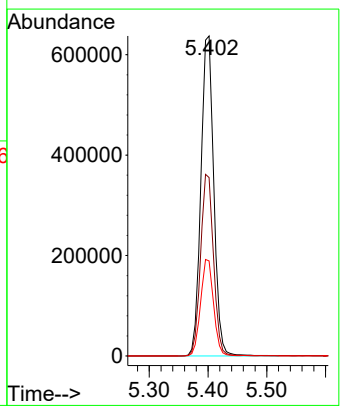


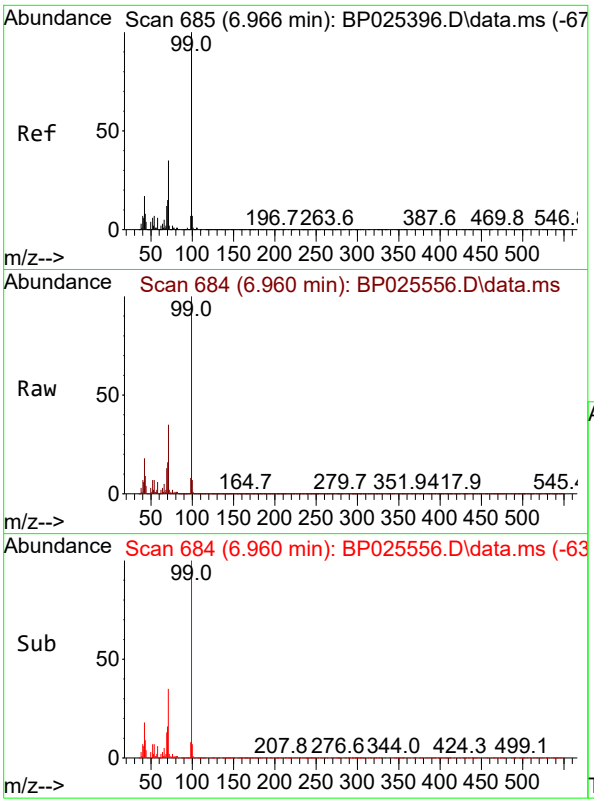


#5
2-Fluorophenol
Concen: 83.036 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Tgt Ion:112 Resp: 968050

Ion	Ratio	Lower	Upper
112	100		
64	55.7	43.8	65.8
63	29.7	22.7	34.1



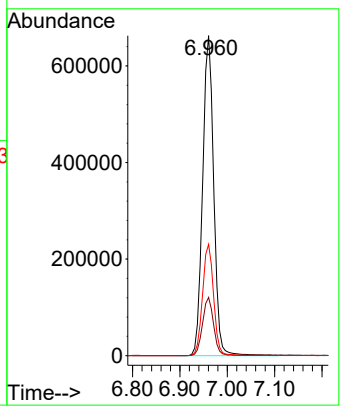


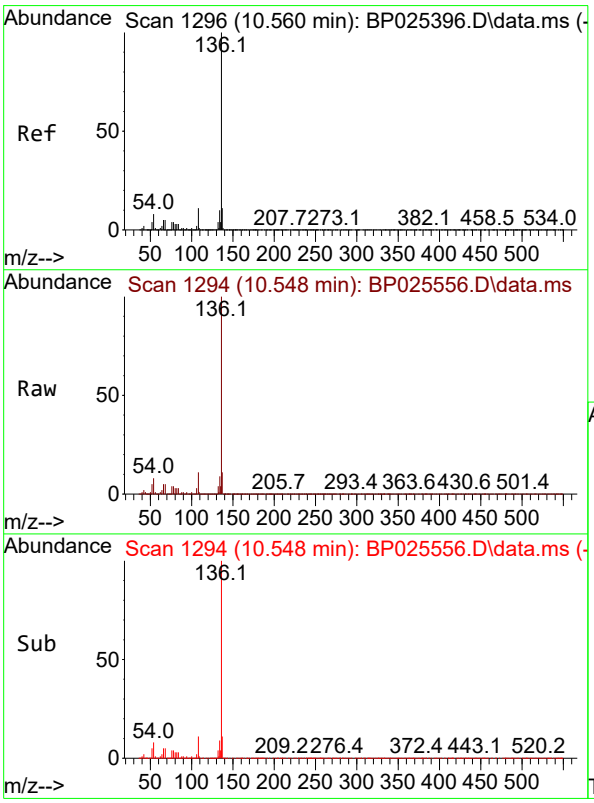
#7
Phenol-d6
Concen: 72.137 ng
RT: 6.960 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Tgt Ion: 99 Resp: 1078216

Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.7	20.5
71	34.8	28.2	42.4

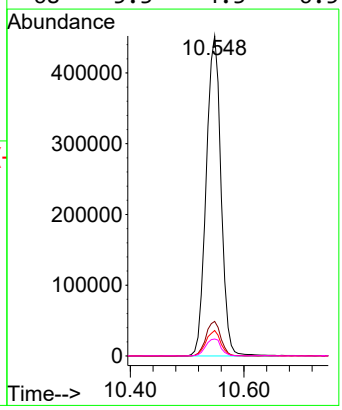


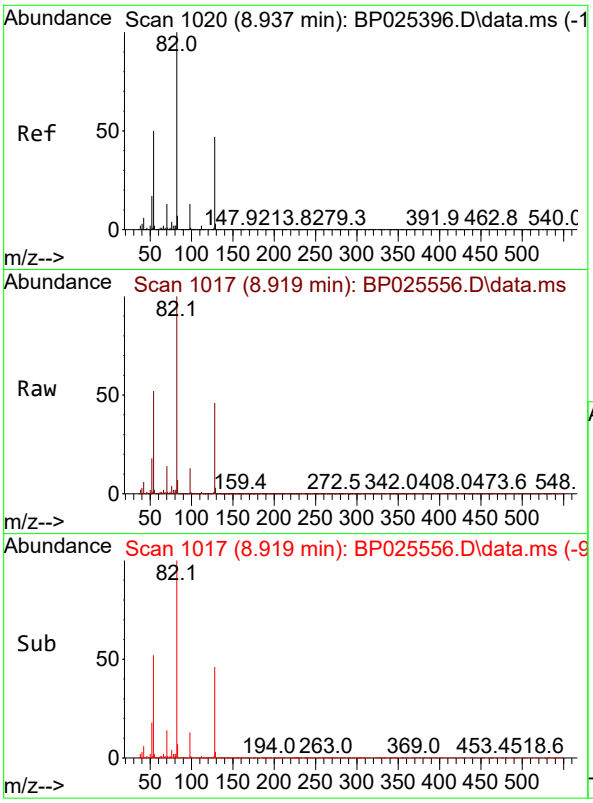


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.548 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Tgt Ion:136 Resp: 812188

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.9	6.0	9.0
68	5.3	4.3	6.5



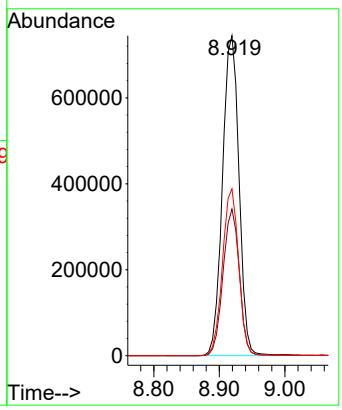


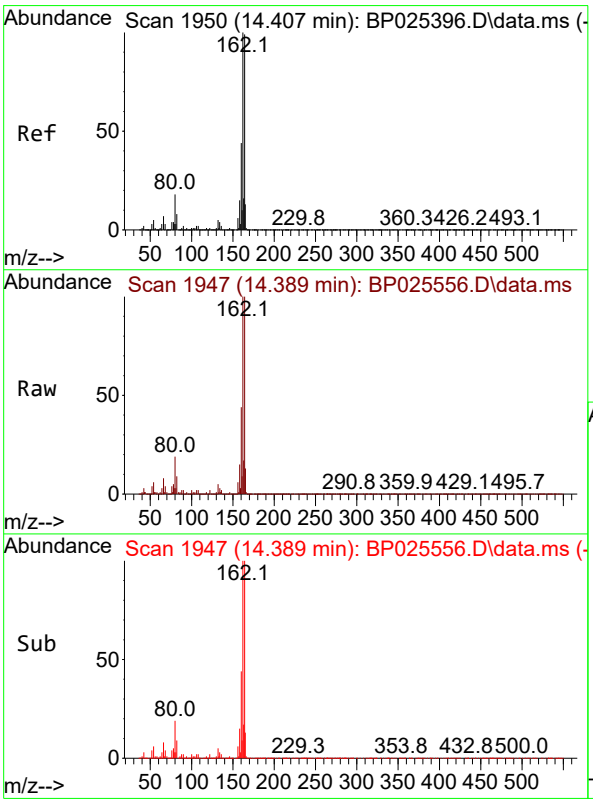
#23
Nitrobenzene-d5
Concen: 80.837 ng
RT: 8.919 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Tgt Ion: 82 Resp: 1297900

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.7	56.5
54	52.1	39.8	59.6

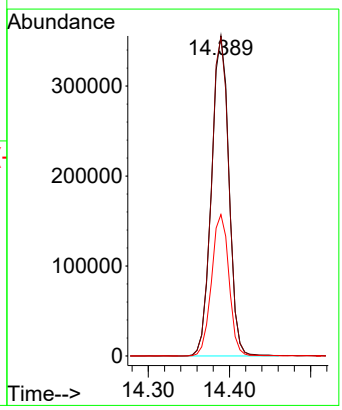


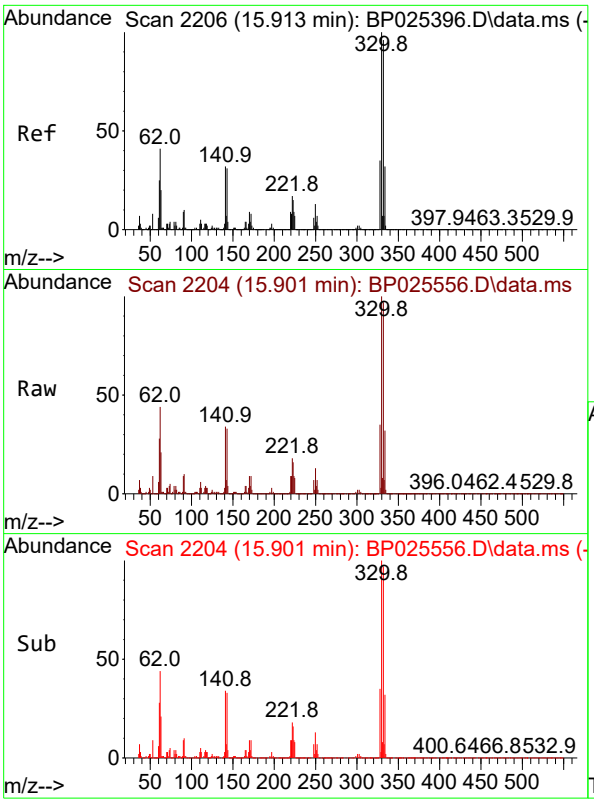


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.389 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Tgt Ion:164 Resp: 530149

Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.0	121.6
160	44.2	35.4	53.2



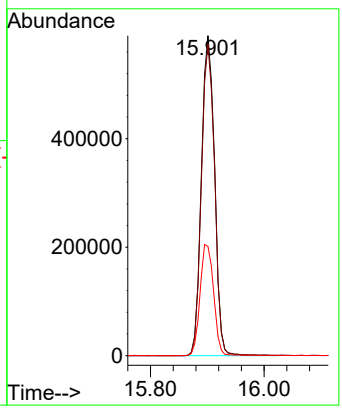


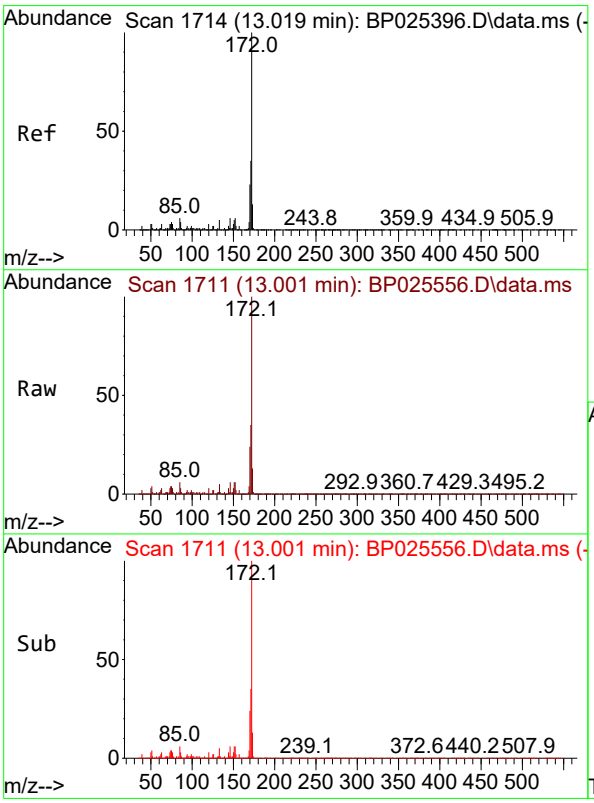
#42
2,4,6-Tribromophenol
Concen: 133.301 ng
RT: 15.901 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Tgt Ion:330 Resp: 951215

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	35.8	26.6	39.8

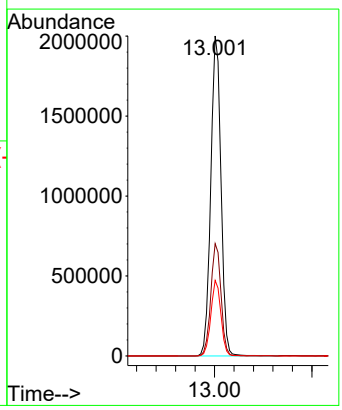


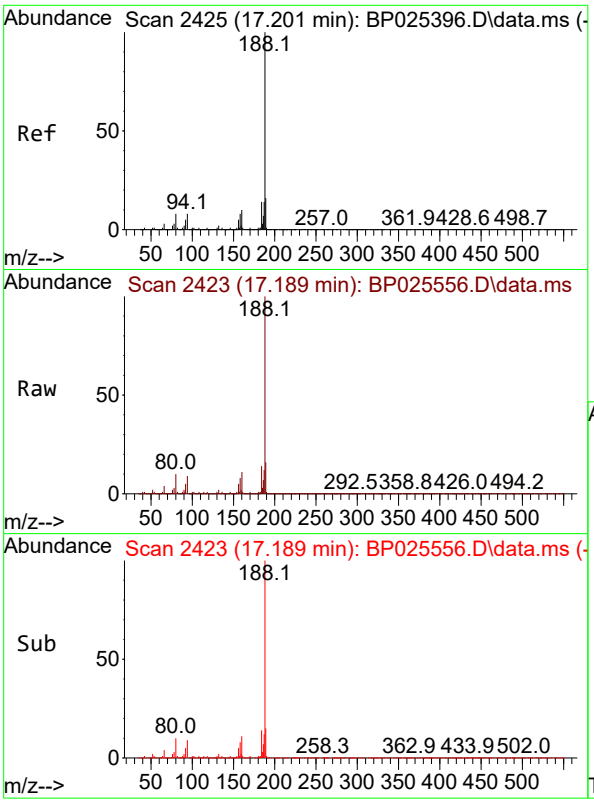


#45
2-Fluorobiphenyl
Concen: 74.615 ng
RT: 13.001 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Tgt Ion:172 Resp: 2894400

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.1	42.1
170	23.6	18.6	28.0



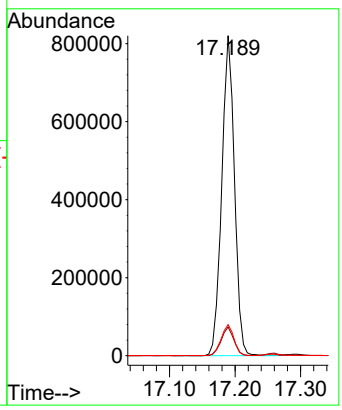


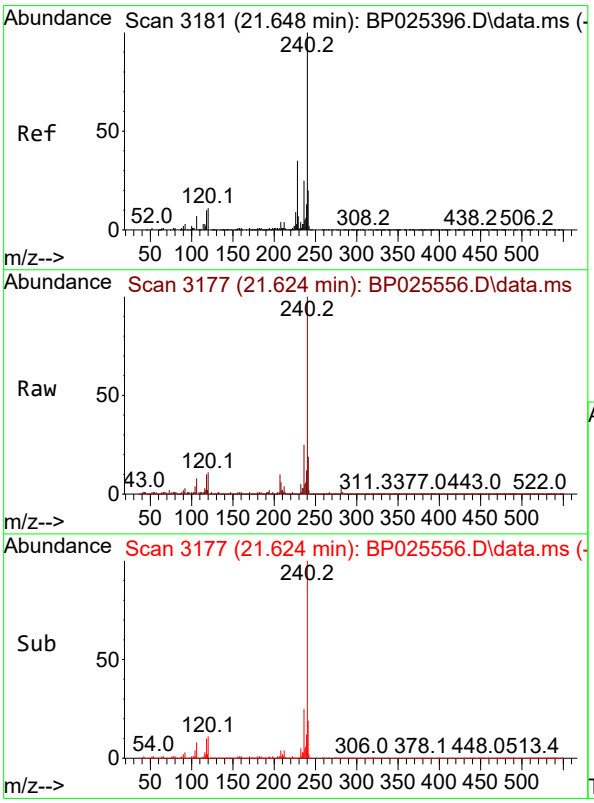
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Tgt Ion:188 Resp: 1097906

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.6	10.0
80	9.7	6.7	10.1

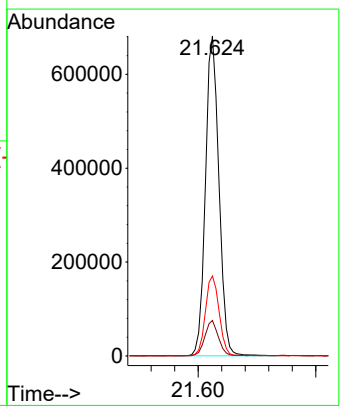


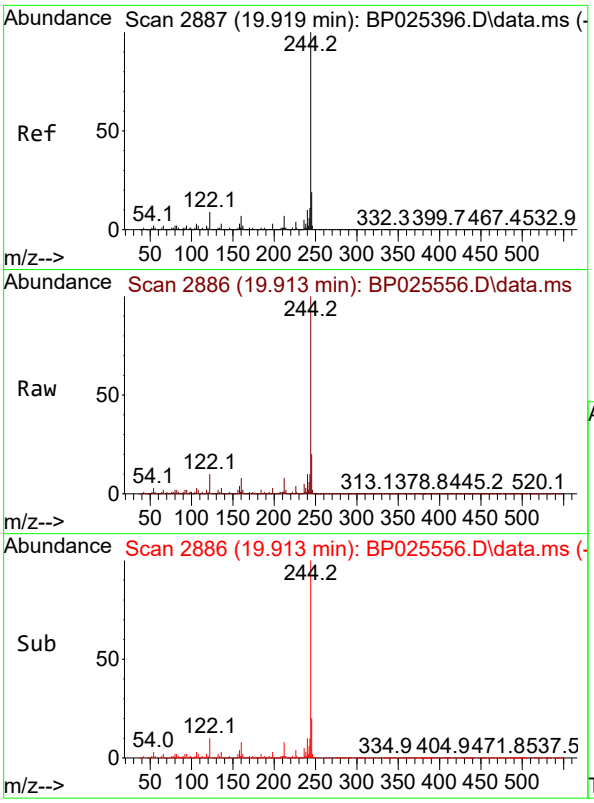


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.624 min Scan# 3177
Delta R.T. -0.024 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Tgt Ion:240 Resp: 1088352

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	25.0	19.8	29.8



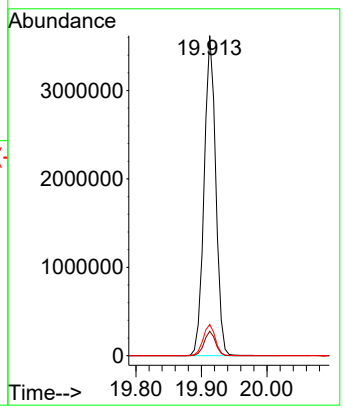


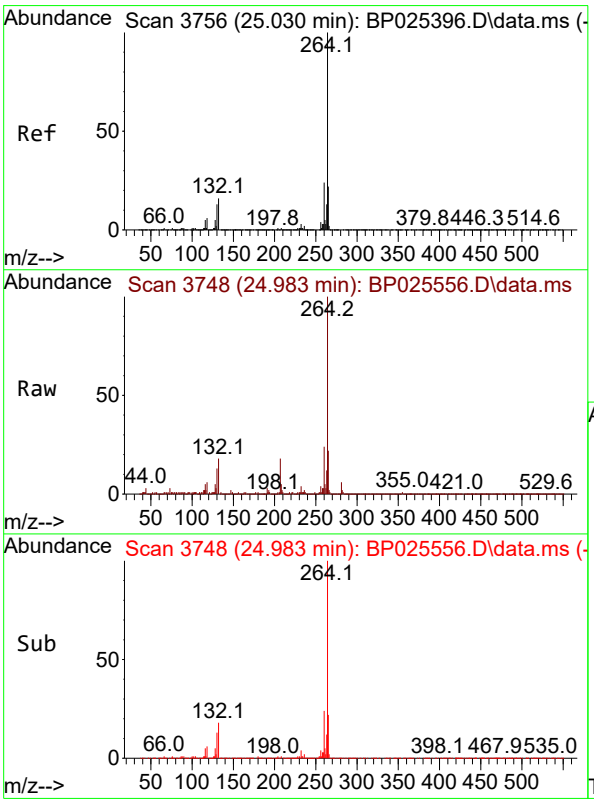
#79
Terphenyl-d14
Concen: 75.123 ng
RT: 19.913 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Tgt Ion:244 Resp: 4468794

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	9.8	7.4	11.2

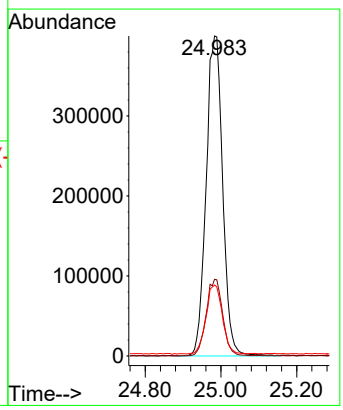




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.983 min Scan# 3748
Delta R.T. -0.047 min
Lab File: BP025556.D
Acq: 22 Aug 2025 19:43

Tgt Ion:264 Resp: 1208913

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	22.2	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

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_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025556.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.984	6	8	12	rVB	240435	232519	1.90%	0.278%
2	3.031	12	16	21	rVV	3251520	3746956	30.55%	4.472%
3	3.078	21	24	33	rVB	207282	273669	2.23%	0.327%
4	4.249	218	223	232	rBV	179342	251233	2.05%	0.300%
5	4.649	287	291	298	rBV	89500	133856	1.09%	0.160%
6	4.937	334	340	350	rVB2	290373	422546	3.44%	0.504%
7	5.396	412	418	429	rBV	2205208	3345293	27.27%	3.993%
8	6.960	676	684	698	rBV	1860555	3086796	25.16%	3.684%
9	7.778	814	823	830	rBV	696770	1141208	9.30%	1.362%
10	8.919	1007	1017	1026	rBV	2202472	3828549	31.21%	4.570%
11	9.472	1104	1111	1129	rVB	86176	160504	1.31%	0.192%
12	10.548	1285	1294	1306	rBV	913360	1664855	13.57%	1.987%
13	13.001	1704	1711	1732	rBV	5900425	8496784	69.27%	10.142%
14	14.307	1927	1933	1940	rBV2	64121	126925	1.03%	0.151%
15	14.389	1940	1947	1954	rVB	1494126	2236004	18.23%	2.669%
16	15.766	2176	2181	2188	rBV	1362562	1900247	15.49%	2.268%
17	15.901	2197	2204	2216	rBV	4415838	7335772	59.80%	8.756%
18	16.142	2241	2245	2253	rVB	138800	196764	1.60%	0.235%
19	16.348	2275	2280	2289	rVB	136115	213671	1.74%	0.255%
20	16.842	2359	2364	2371	rBV	66924	127918	1.04%	0.153%
21	17.189	2417	2423	2430	rBV2	2028055	2776052	22.63%	3.313%
22	17.254	2430	2434	2439	rBV	899904	1291153	10.53%	1.541%
23	17.295	2439	2441	2446	rVB	122922	166564	1.36%	0.199%
24	17.436	2461	2465	2471	rBV	97953	170848	1.39%	0.204%
25	17.583	2486	2490	2497	rBV2	261213	412889	3.37%	0.493%
26	18.136	2578	2584	2592	rBV	3081590	4214241	34.36%	5.030%
27	18.824	2696	2701	2704	rBV	703685	918478	7.49%	1.096%
28	18.866	2704	2708	2713	rVB	373704	448105	3.65%	0.535%
29	18.913	2713	2716	2721	rBV	83916	129273	1.05%	0.154%
30	18.989	2726	2729	2739	rVB3	105482	226797	1.85%	0.271%
31	19.189	2758	2763	2772	rBV	438125	631737	5.15%	0.754%
32	19.307	2778	2783	2785	rBV	274506	409340	3.34%	0.489%
33	19.342	2785	2789	2802	rVV2	511292	972614	7.93%	1.161%
34	19.454	2804	2808	2823	rVB	960452	1354942	11.05%	1.617%
35	19.736	2853	2856	2860	rVV	152436	180921	1.47%	0.216%
36	19.913	2880	2886	2895	rBV	9920399	12266354	100.00%	14.641%

Sample Results: **BP025556.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

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_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	20.254	2940	2944	2949	rVB	229946	296891	2.42%	0.354%
38	20.618	3003	3006	3009	rBV4	103537	146076	1.19%	0.174%
39	20.777	3027	3033	3036	rBV2	402278	594171	4.84%	0.709%
40	21.295	3116	3121	3137	rBV2	1327194	2602919	21.22%	3.107%
41	21.624	3171	3177	3190	rBV	1844898	3089588	25.19%	3.688%
42	21.883	3217	3221	3227	rVB2	508094	719756	5.87%	0.859%
43	22.536	3327	3332	3343	rVB2	392850	800070	6.52%	0.955%
44	23.289	3455	3460	3468	rVB	291167	594091	4.84%	0.709%
45	23.477	3488	3492	3502	rVB	322187	701467	5.72%	0.837%
46	24.142	3601	3605	3614	rVB	225659	436459	3.56%	0.521%
47	24.818	3713	3720	3732	rVB	1042851	2777500	22.64%	3.315%
48	24.983	3740	3748	3762	rVB2	1058150	3145905	25.65%	3.755%
49	27.336	4139	4148	4172	rVB2	546860	2384784	19.44%	2.846%

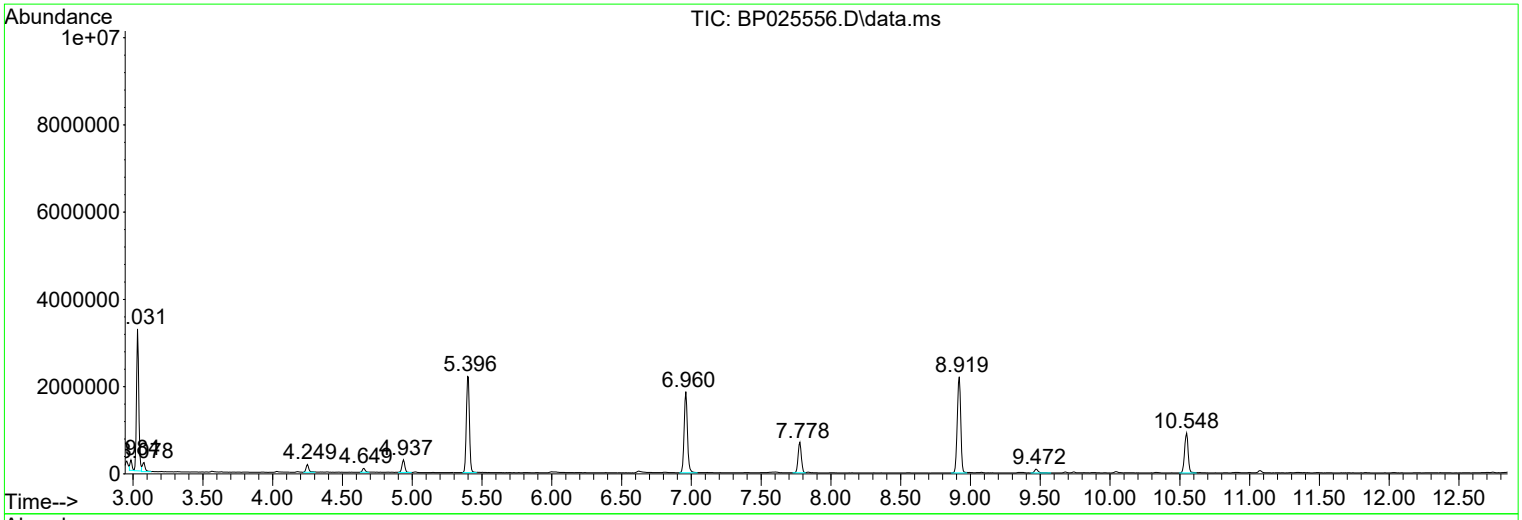
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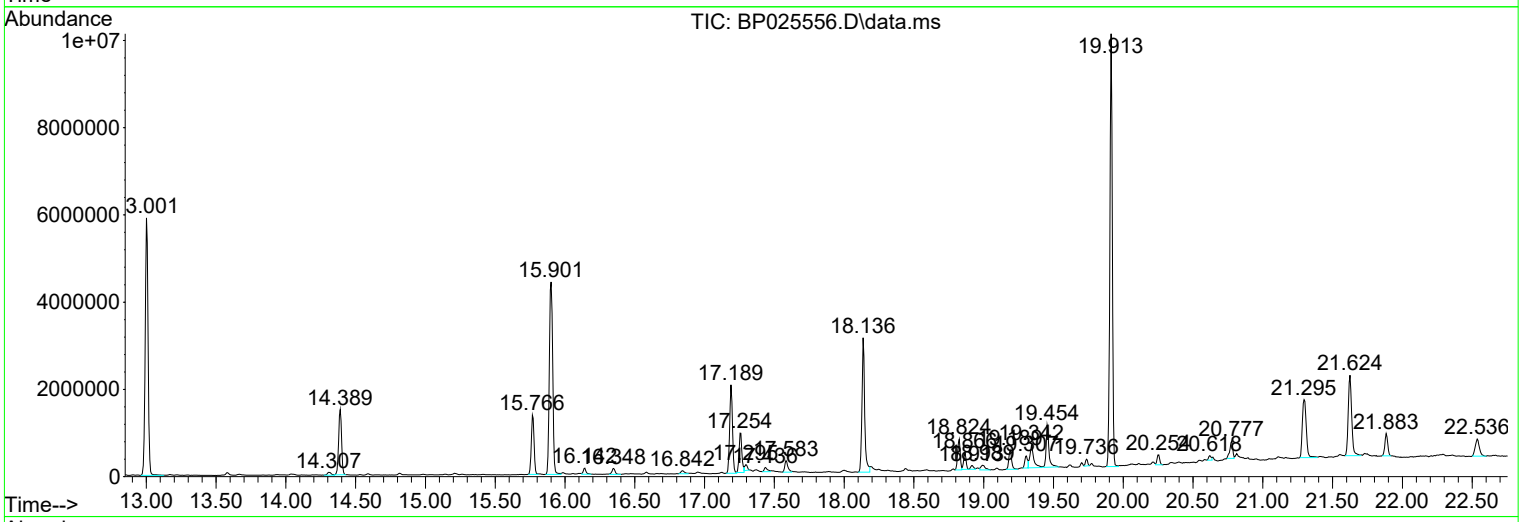
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Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

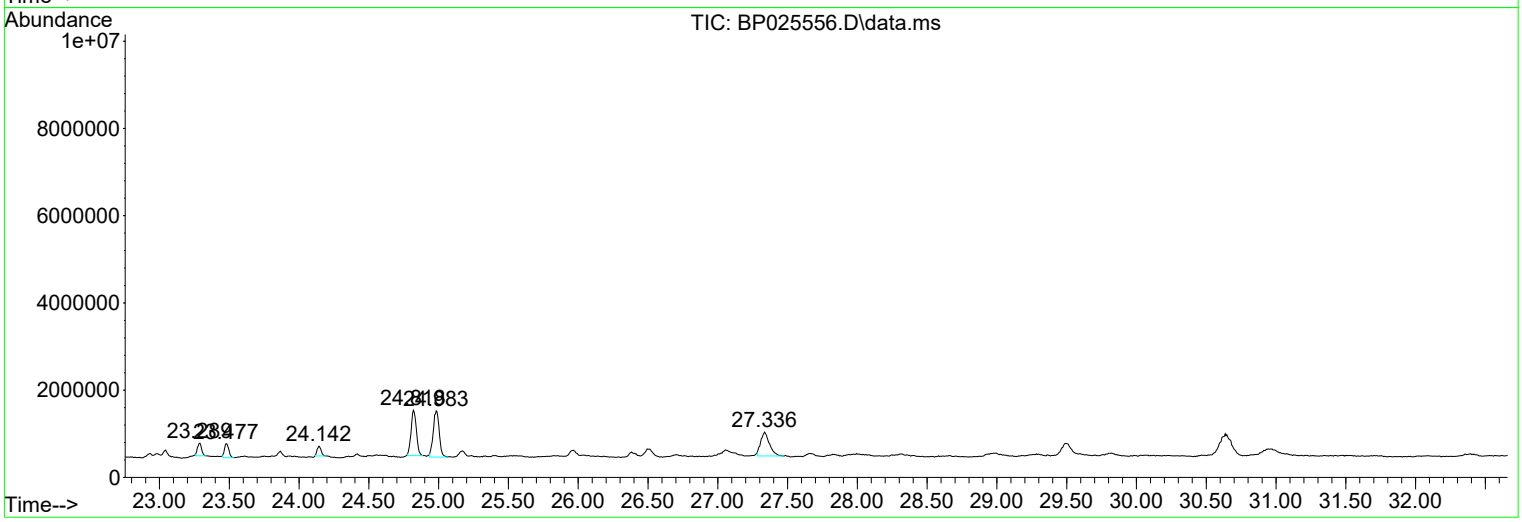
Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

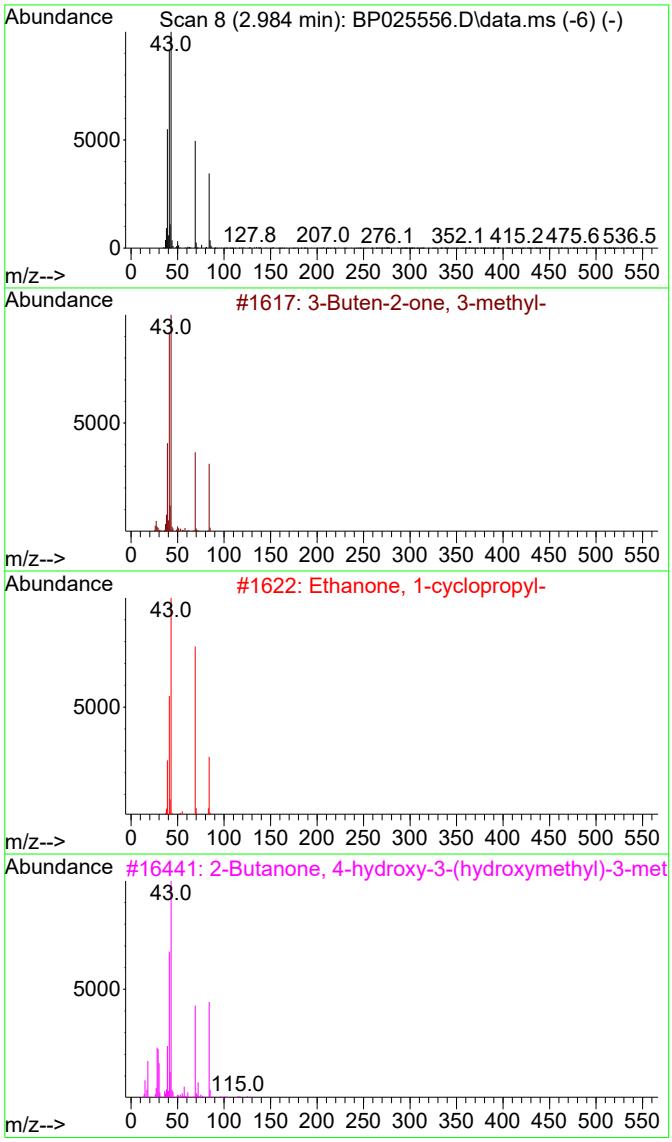
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TIC Integration Parameters: LSCINT.P

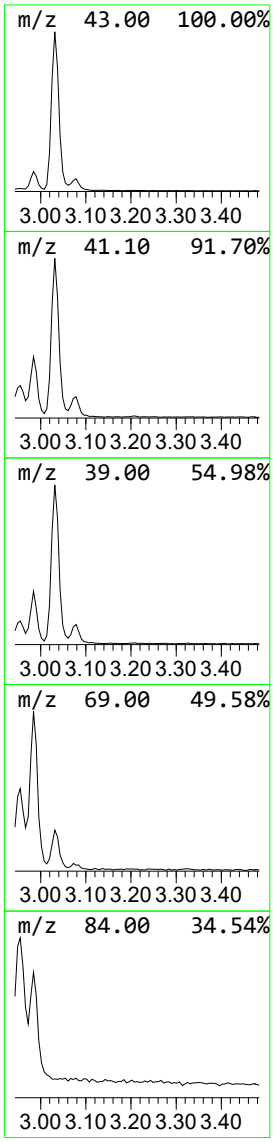
****

Peak Number 1 3-Buten-2-one, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.984	4.07 ng	232519	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	91
2	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	58
3	2-Butanone, 4-hydroxy-3-(hydroxy...	132	C6H12O3	006868-97-9	47
4	2-Propenoic acid, 2-methyl-	86	C4H6O2	000079-41-4	36
5	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

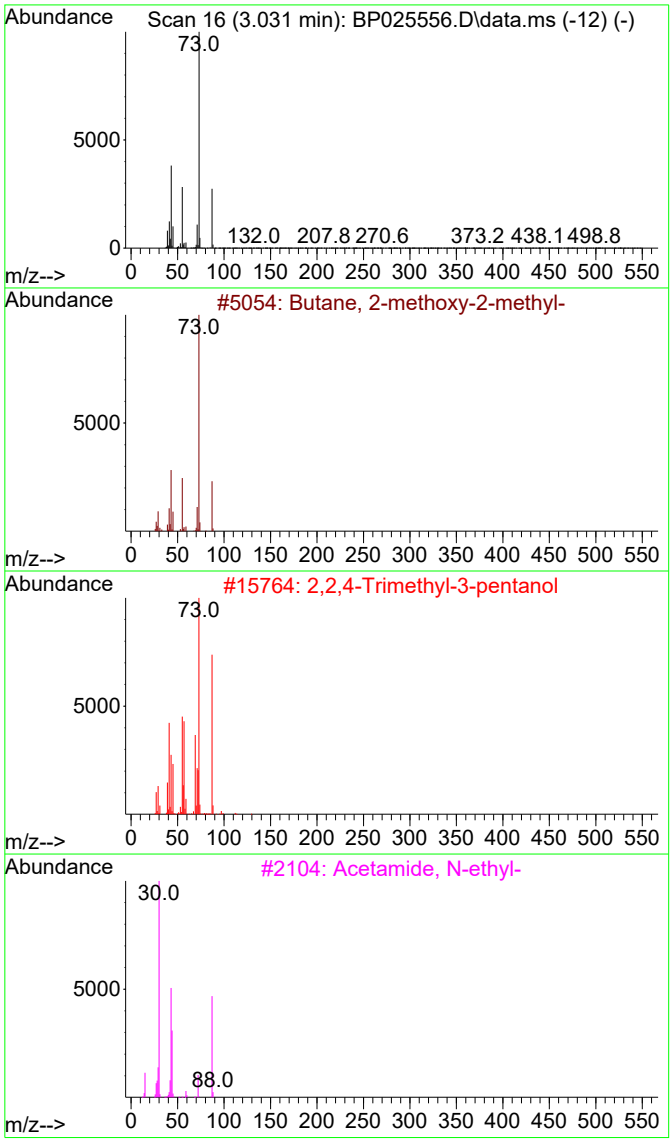
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

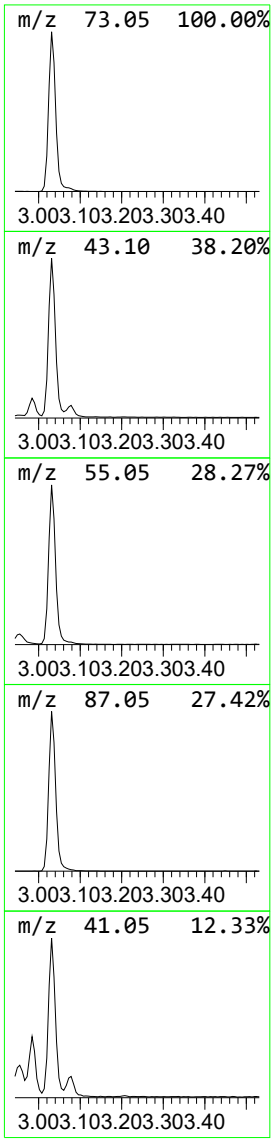
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.031	65.67 ng	3746960	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

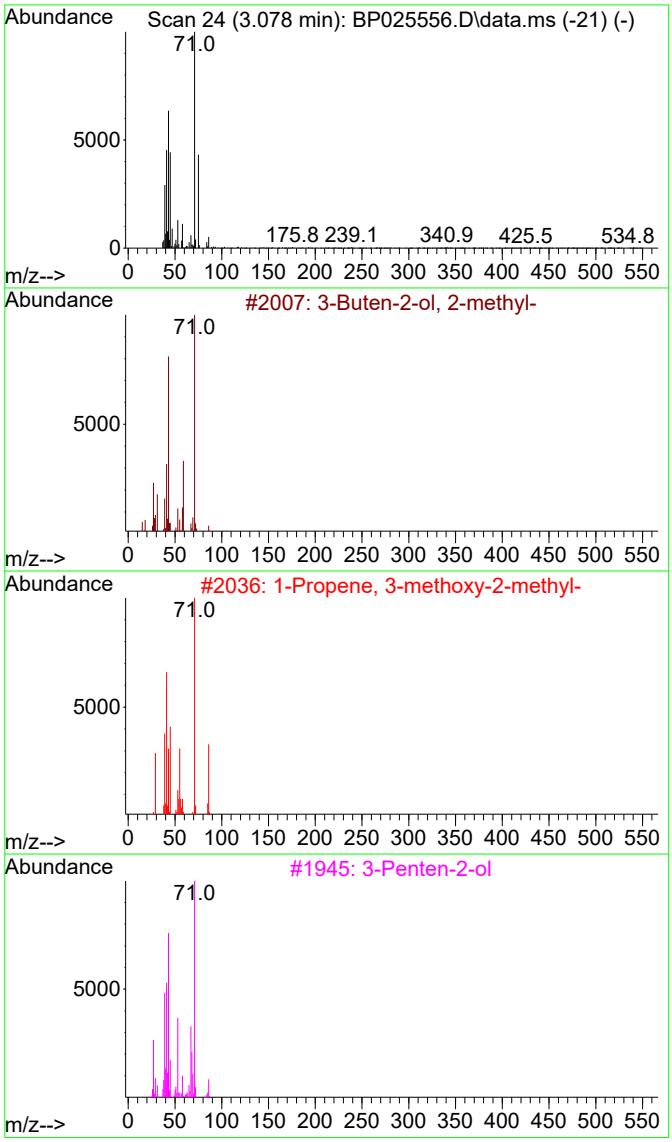
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

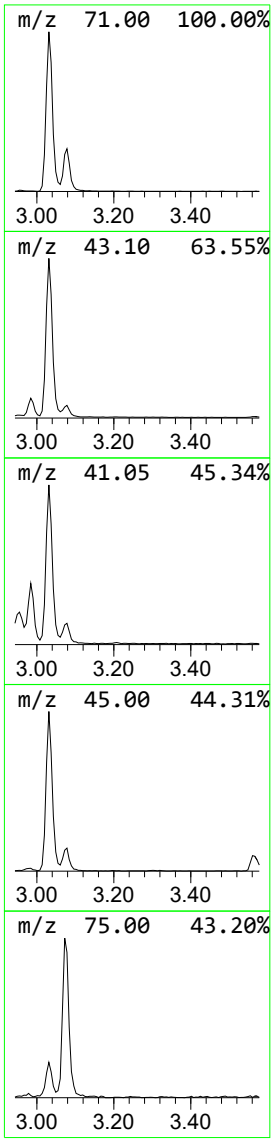
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Peak Number 3 unknown3.078 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.078	4.80 ng	273669	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	46
2	1-Propene, 3-methoxy-2-methyl-	86	C5H10O	022418-49-1	33
3	3-Penten-2-ol	86	C5H10O	001569-50-2	32
4	2-Hexene, 1-methoxy-, (E)-	114	C7H14O	056052-83-6	28
5	Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
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Instrument :
BNA_P
ClientSampleId :
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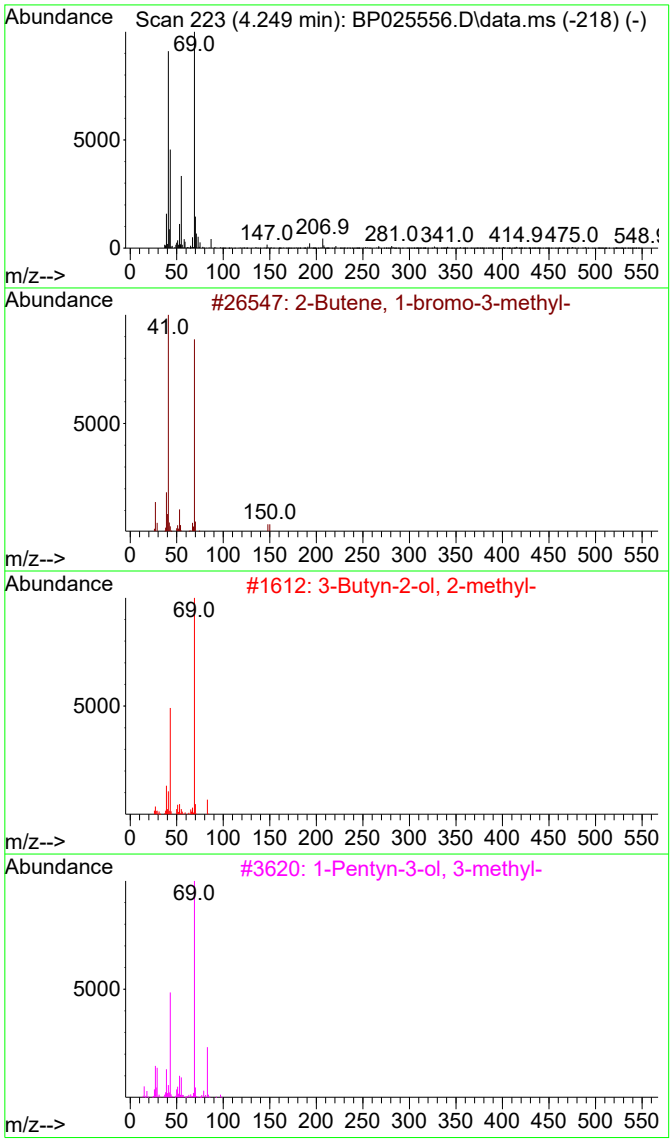
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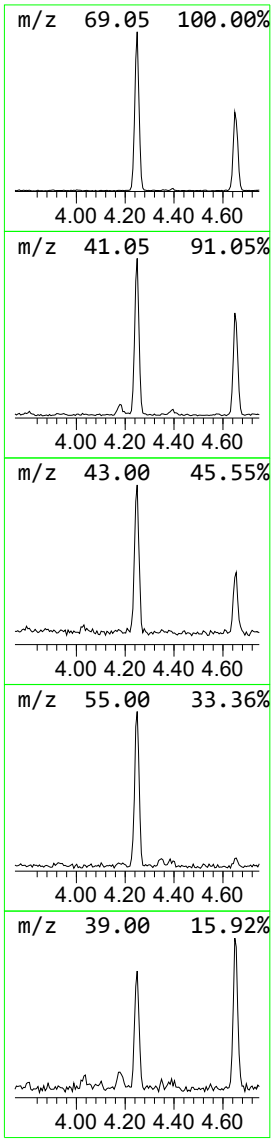
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Peak Number 4 unknown4.249 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.249	4.40 ng	251233	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	42
2	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	36
3	1-Pentyn-3-ol, 3-methyl-	98	C6H10O	000077-75-8	36
4	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	36
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	36





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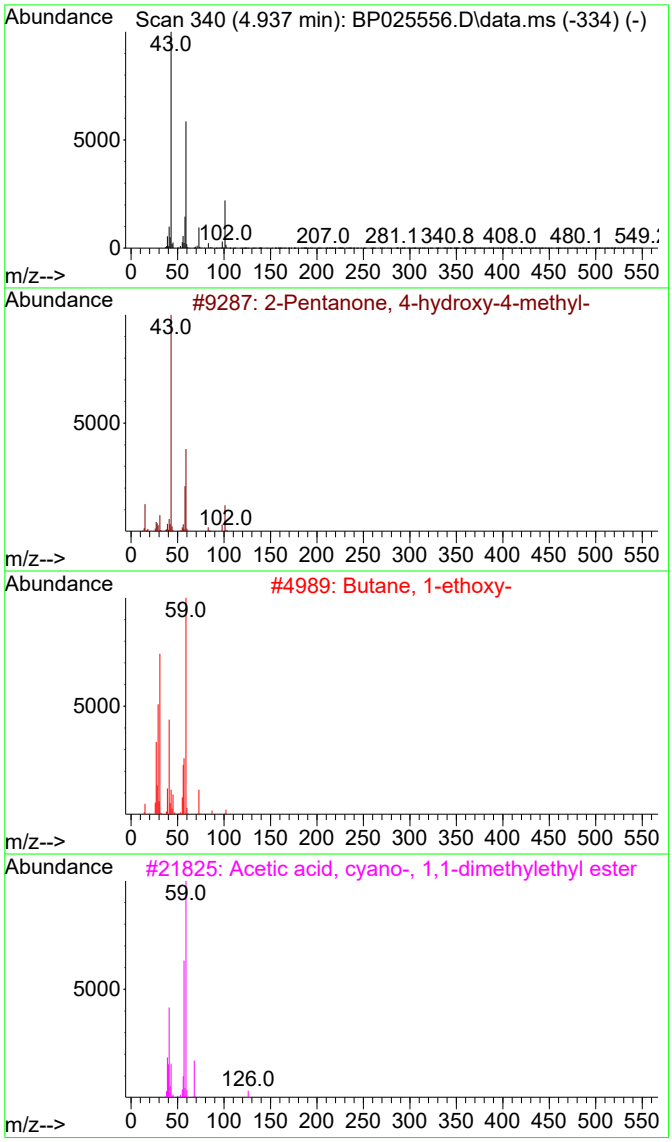
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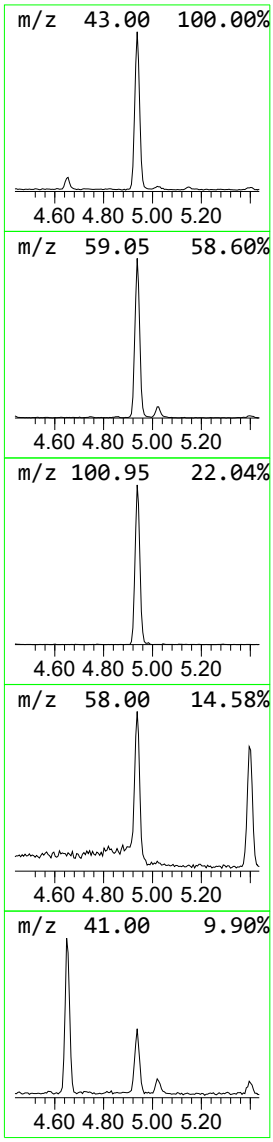
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Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	7.41 ng	422546	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	32
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	17
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
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Sample : Q2934-04
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ClientSampleId :
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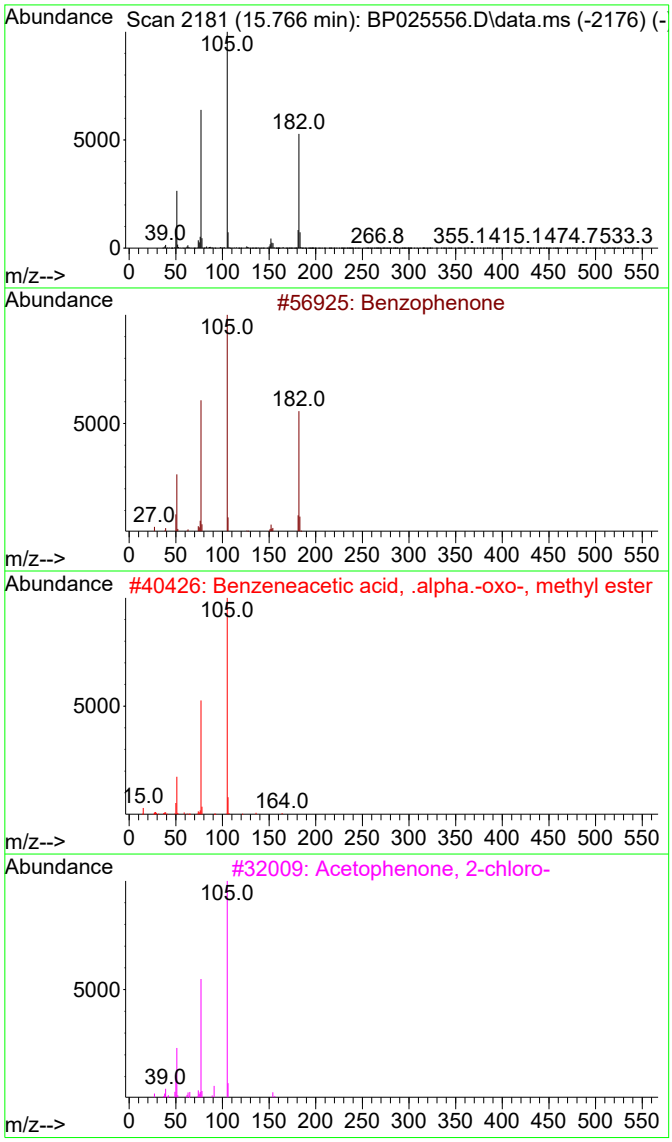
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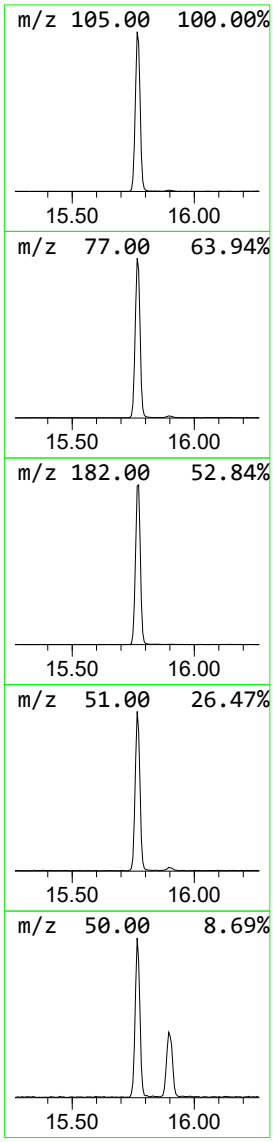
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Peak Number 6 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.766	17.00 ng	1900250	Acenaphthene-d10	14.389

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	49
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	N-Methylbenzamide, N-chlorodiflu...	247	C10H8ClF2NO2	1000446-98-2	47
5	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
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Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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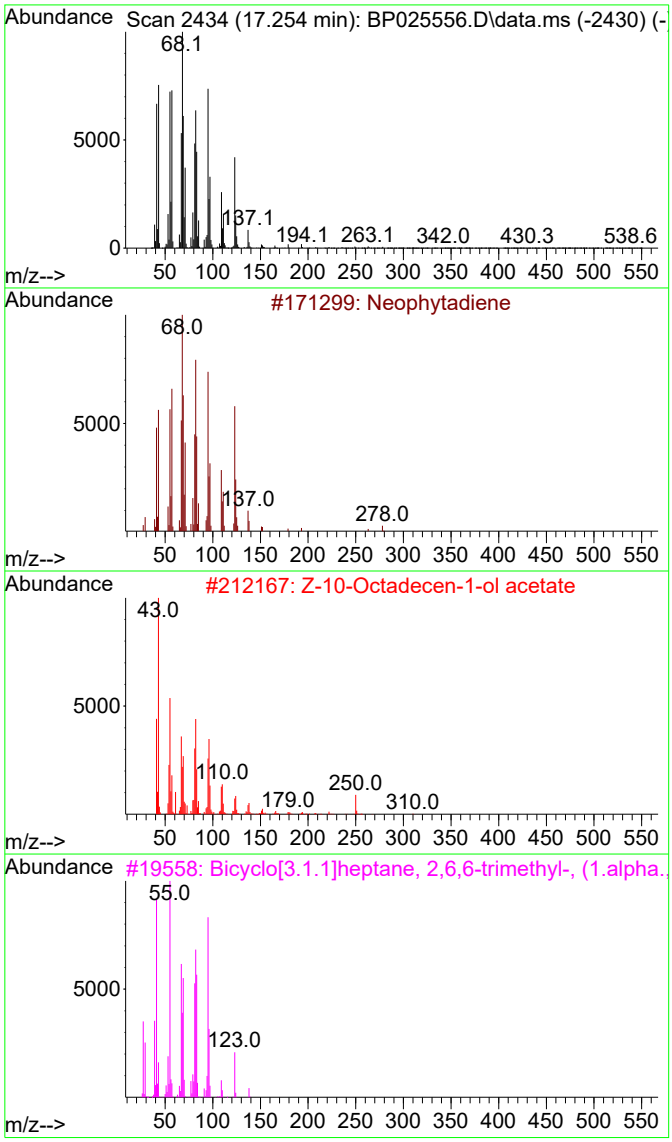
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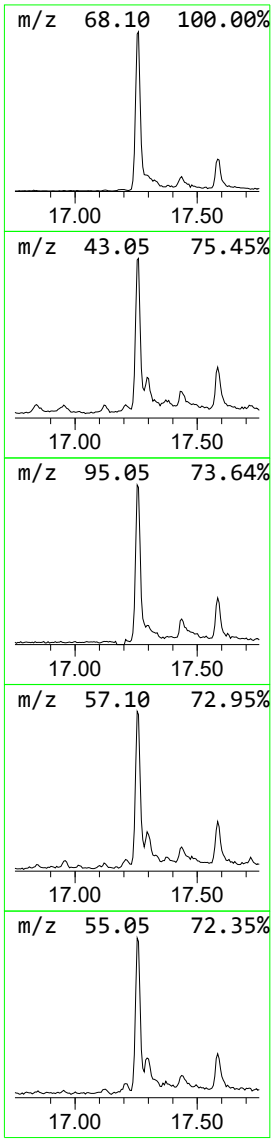
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Peak Number 7 Neophytadiene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.254	9.30 ng	1291150	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Neophytadiene	278	C20H38	000504-96-1	91
2	Z-10-Octadecen-1-ol acetate	310	C20H38O2	1000131-07-2	60
3	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	58
4	2-Tridecyne	180	C13H24	028467-75-6	50
5	Z-13-Octadecen-1-yl acetate	310	C20H38O2	060037-58-3	43





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Data File : BP025556.D
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Operator : CG/JU
Sample : Q2934-04
Misc :
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Instrument :
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ClientSampleId :
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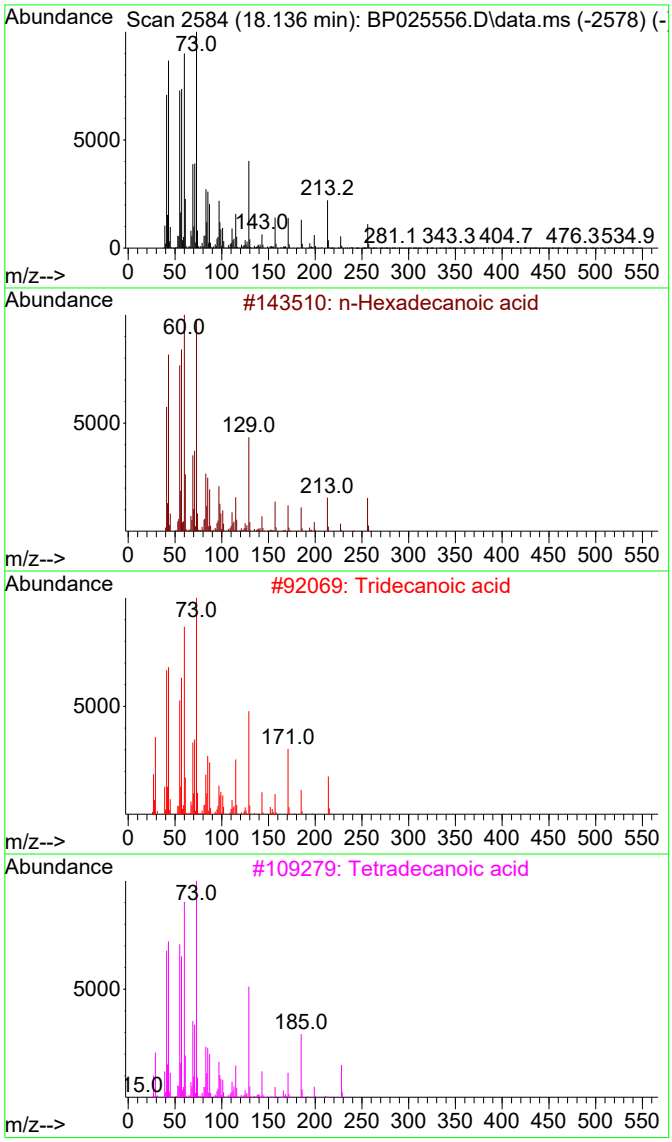
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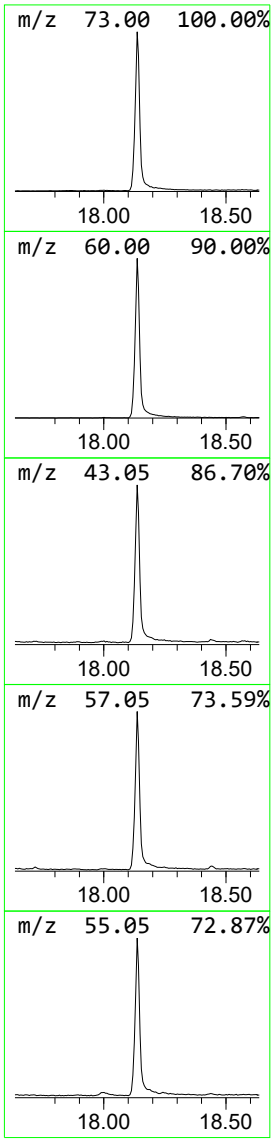
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Peak Number 8 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.136	30.36 ng	4214240	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
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Sample : Q2934-04
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ClientSampleId :
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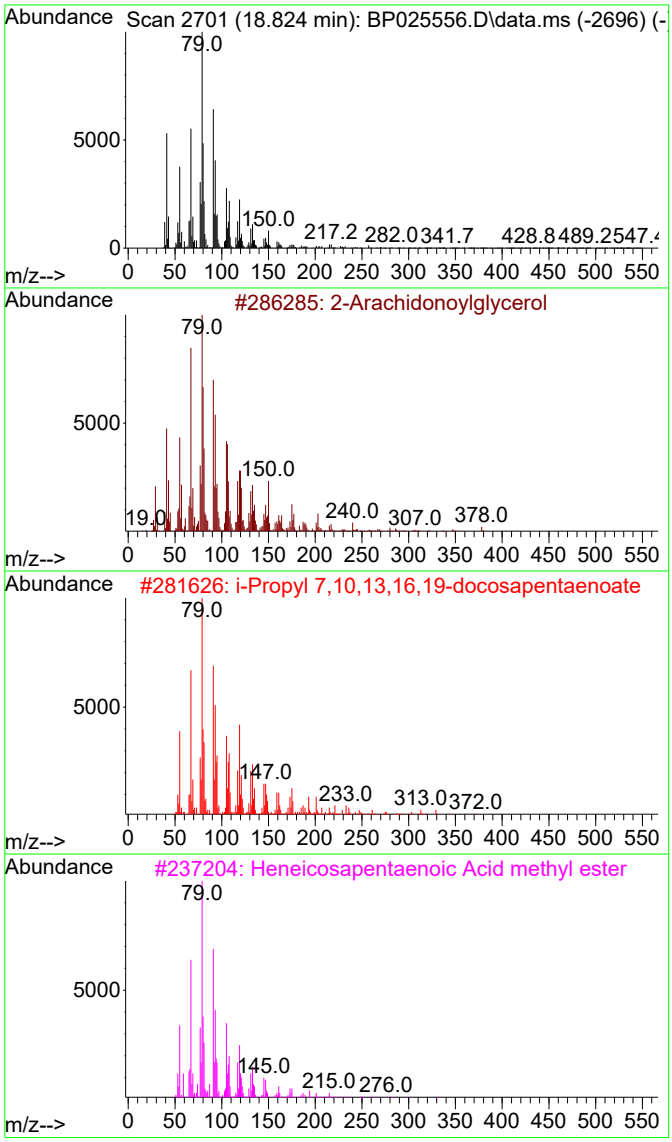
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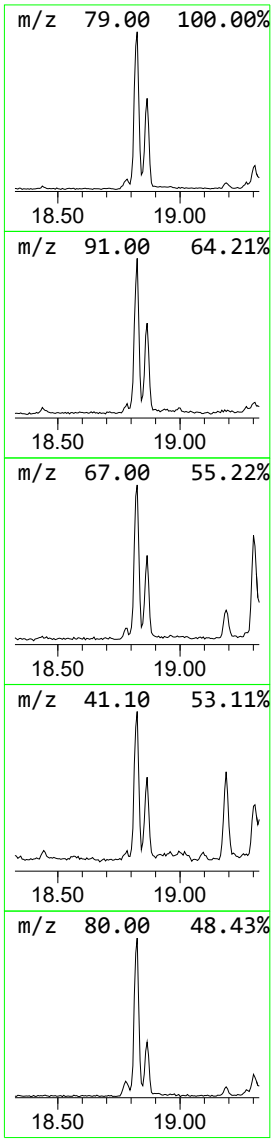
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Peak Number 9 2-Arachidonoylglycerol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.825	6.62 ng	918478	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Arachidonoylglycerol	378	C23H38O4	053847-30-6	93
2	i-Propyl 7,10,13,16,19-docosapen...	372	C25H40O2	1000336-77-2	91
3	Heneicosapentaenoic Acid methyl ...	330	C22H34O2	065919-53-1	90
4	cis-5,8,11,14,17-Eicosapentaenoi...	302	C20H30O2	010417-94-4	87
5	Arachidonoyl amide, N-(pentafluo...	449	C23H32F5NO2	1000452-13-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
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Sample : Q2934-04
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Instrument :
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ClientSampleId :
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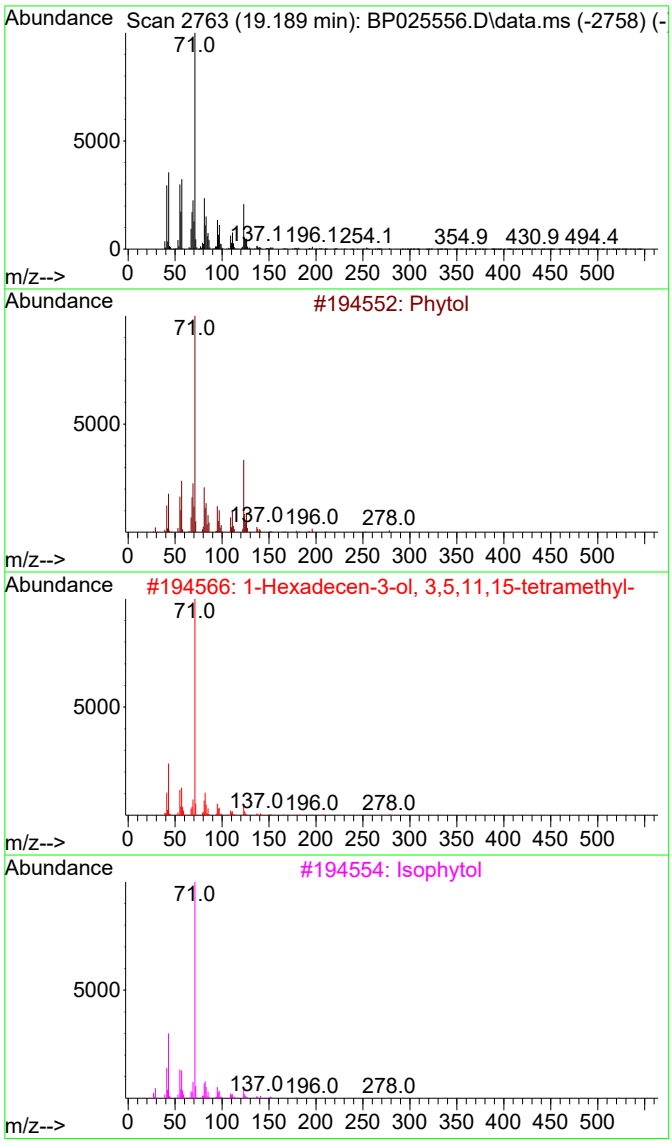
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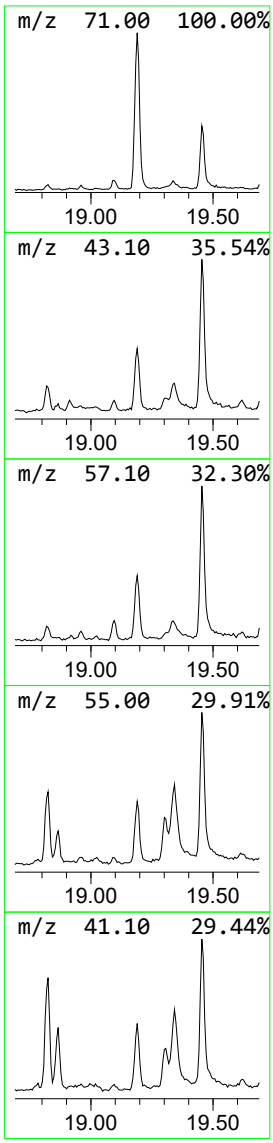
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Peak Number 10 Phytol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.189	4.55 ng	631737	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phytol	296	C20H40O	000150-86-7	91
2	1-Hexadecen-3-ol, 3,5,11,15-tetr...	296	C20H40O	1000262-55-5	64
3	Isophytol	296	C20H40O	000505-32-8	59
4	Butyric acid, 2-pentadecyl ester	298	C19H38O2	107853-73-6	52
5	13-Methyl-tetradec-13-ene-1,12-diol	242	C15H30O2	1000194-71-6	50





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Sample : Q2934-04
Misc :
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ClientSampleId :
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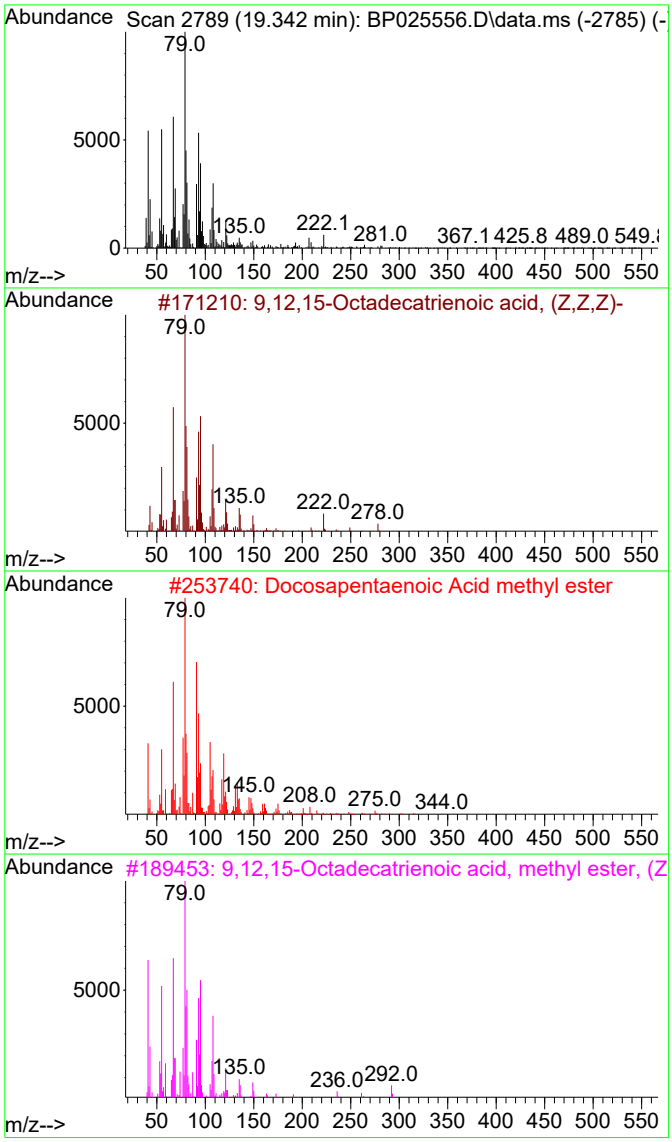
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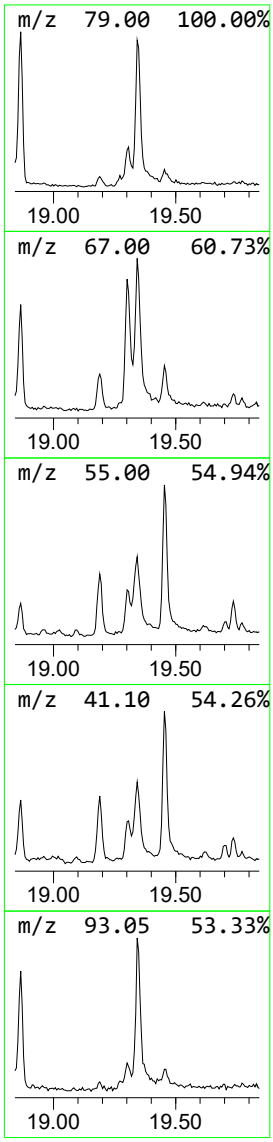
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Peak Number 11 9,12,15-Octadecatrienoic ac... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.342	7.01 ng	972614	Phenanthrene-d10	17.189

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12,15-Octadecatrienoic acid, (...	278	C18H30O2	000463-40-1	86
2	Docosapentaenoic Acid methyl ester	344	C23H36O2	108698-02-8	83
3	9,12,15-Octadecatrienoic acid, m...	292	C19H32O2	000301-00-8	80
4	8,11,14-Eicosatrienoic acid, met...	320	C21H36O2	021061-10-9	52
5	cis,cis,cis-7,10,13-Hexadecatrienal	234	C16H26O	056797-43-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
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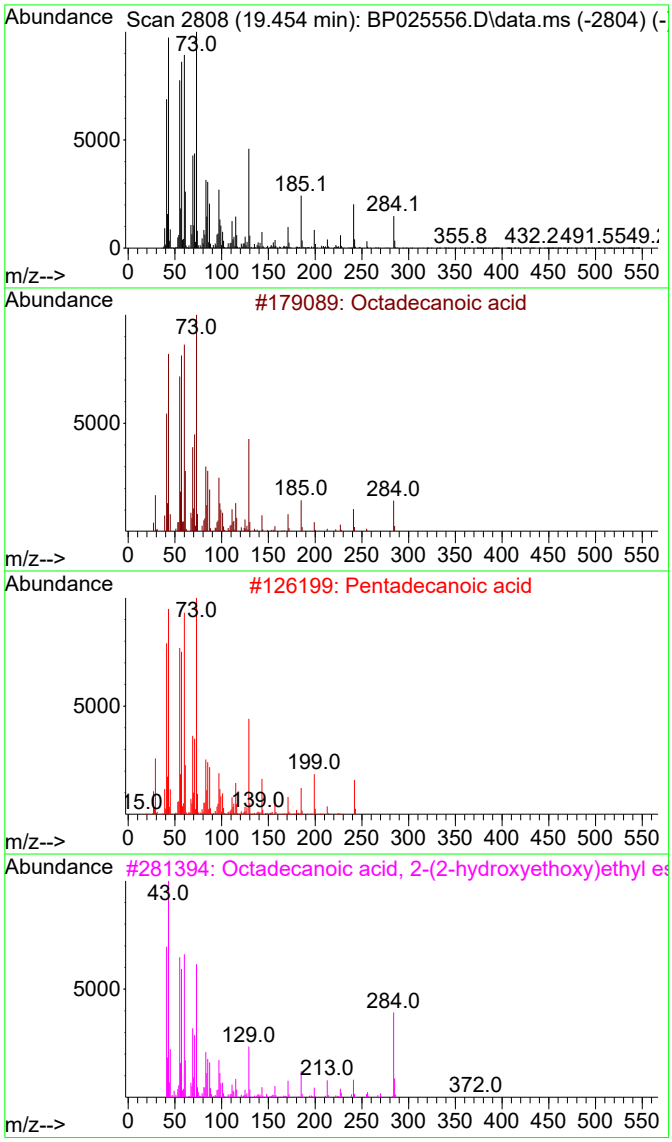
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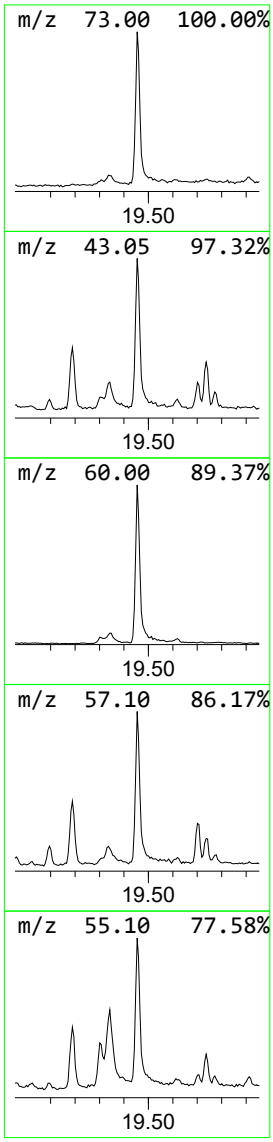
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Peak Number 12 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.454	8.77 ng	1354940	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80





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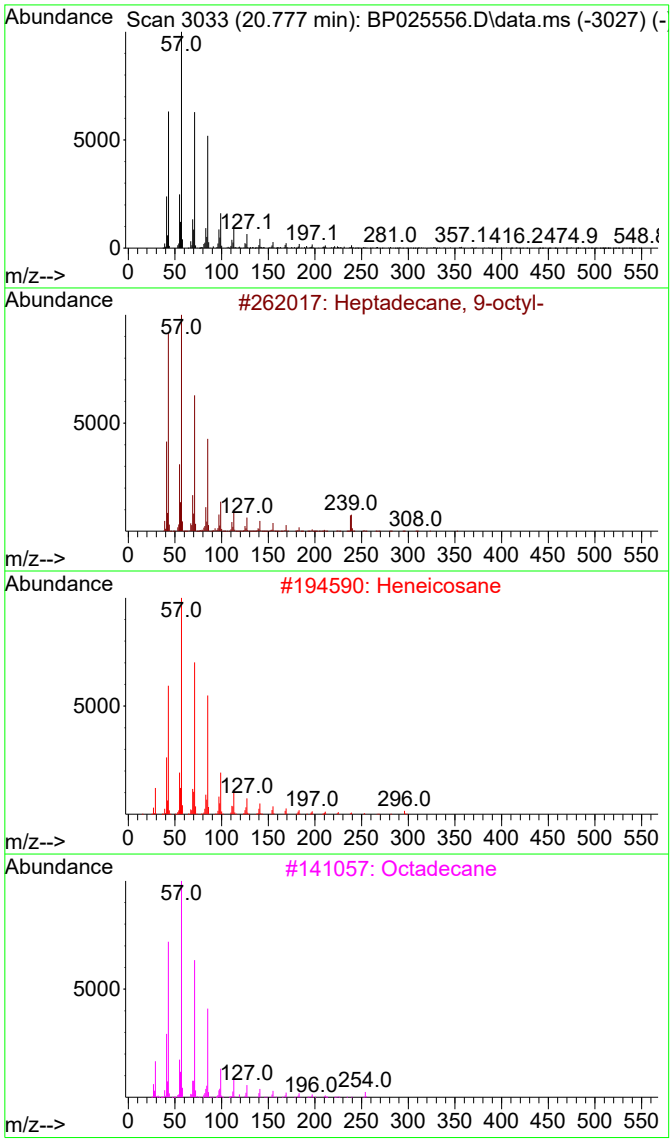
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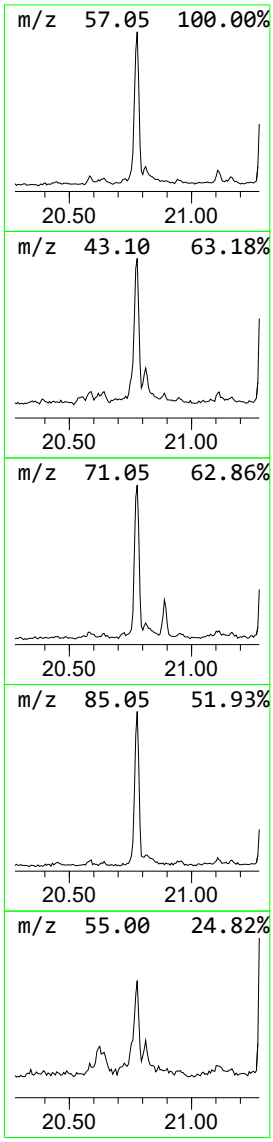
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Peak Number 13 Heptadecane, 9-octyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.777	3.85 ng	594171	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	Octadecane	254	C18H38	000593-45-3	91
4	Tetracosane	338	C24H50	000646-31-1	90
5	Docosane, 1-iodo-	436	C22H45I	1000406-31-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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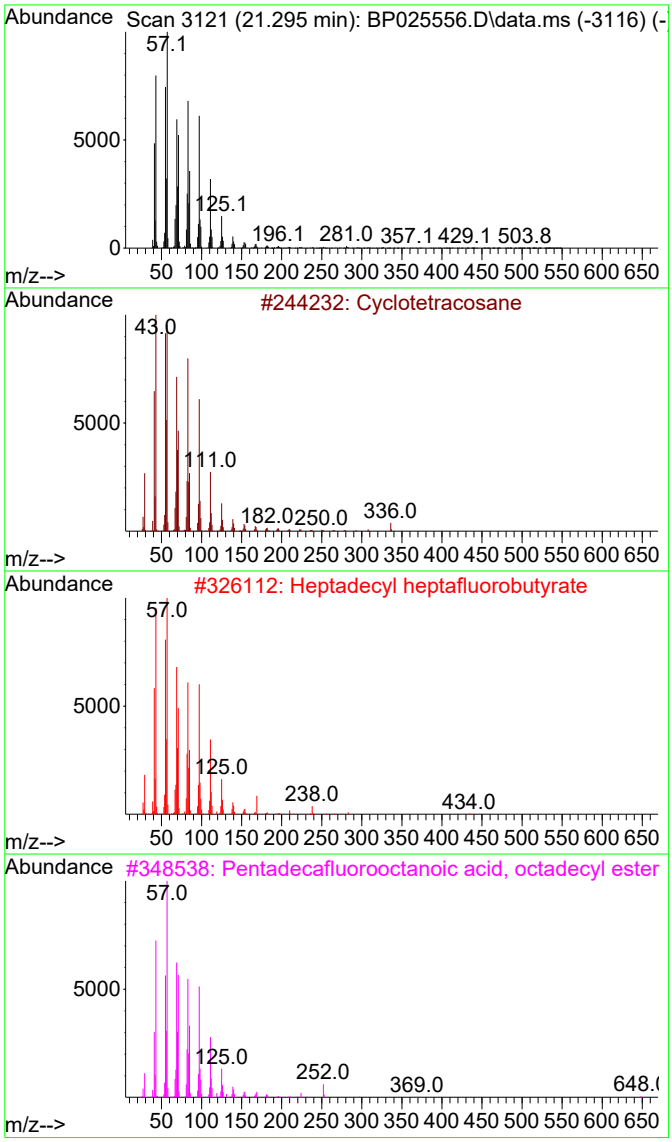
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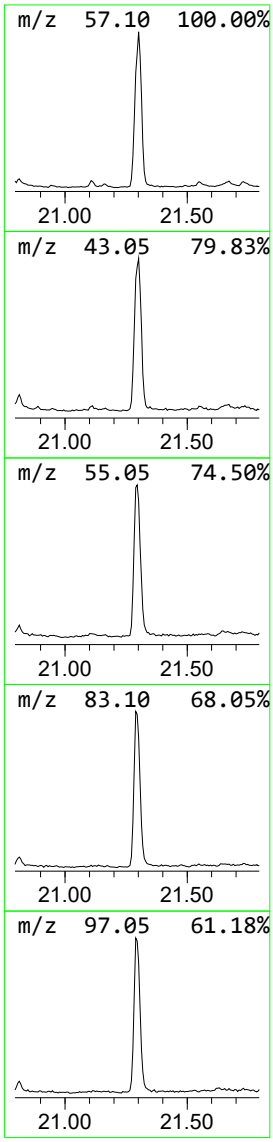
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Peak Number 14 Cyclotetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.295	16.85 ng	2602920	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	96
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
4	1-Hexacosene	364	C26H52	018835-33-1	94
5	1-Heneicosanol	312	C21H44O	015594-90-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

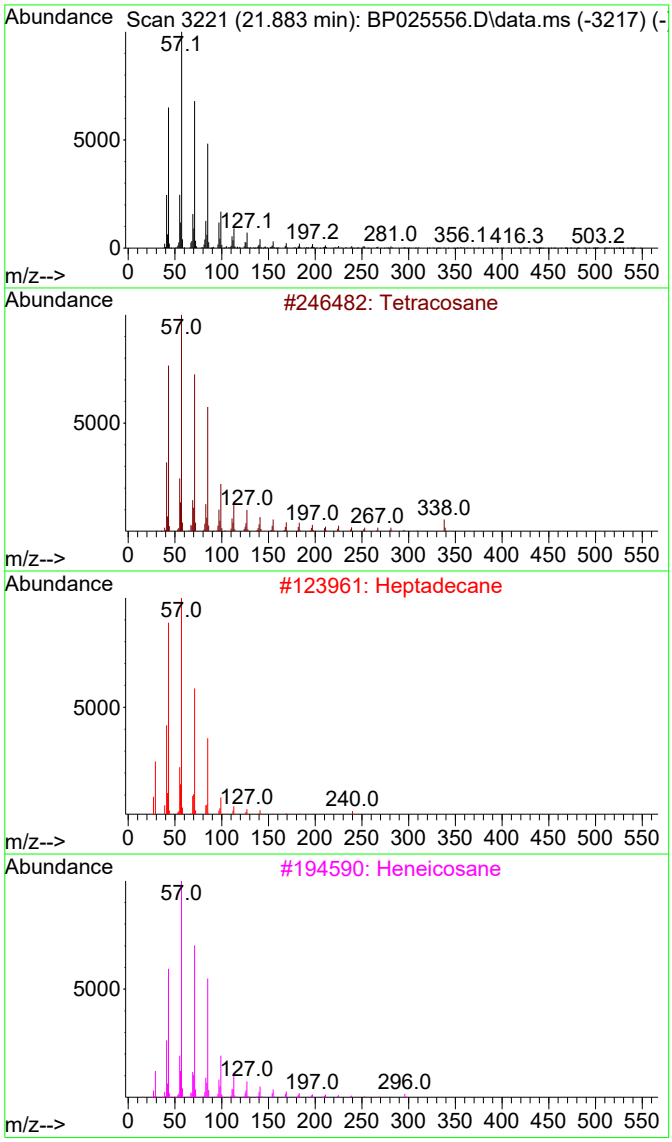
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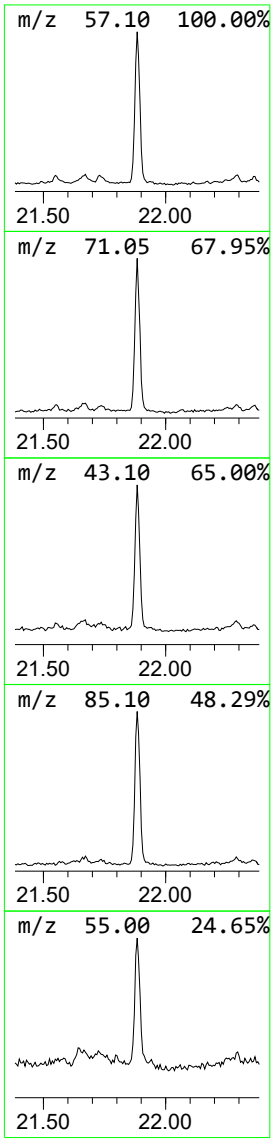
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Peak Number 15 Tetracosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.883	4.66 ng	719756	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	96
2	Heptadecane	240	C17H36	000629-78-7	94
3	Heneicosane	296	C21H44	000629-94-7	91
4	2-Methylpentacosane	366	C26H54	000629-87-8	91
5	Octacosane	394	C28H58	000630-02-4	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

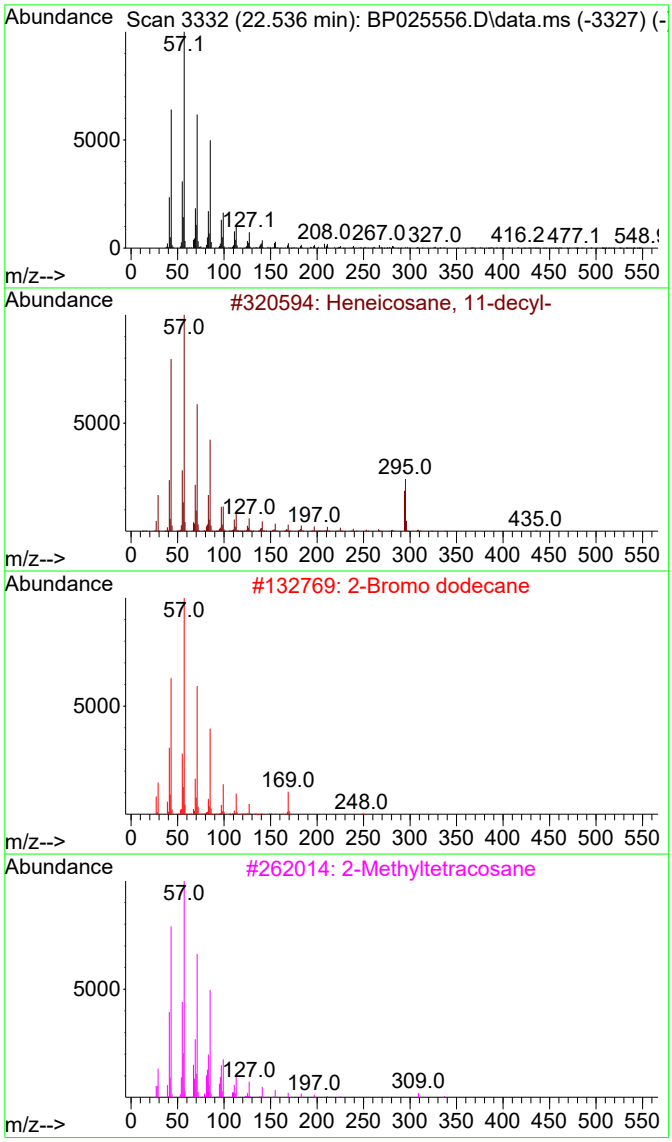
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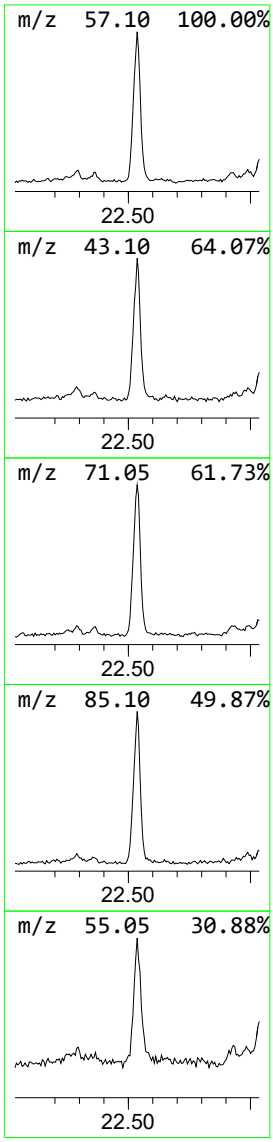
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Peak Number 16 Heneicosane, 11-decyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.536	5.18 ng	800070	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	93
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
3	2-Methyltetracosane	352	C25H52	001560-78-7	90
4	Tetracosane	338	C24H50	000646-31-1	90
5	Hexacosane	366	C26H54	000630-01-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

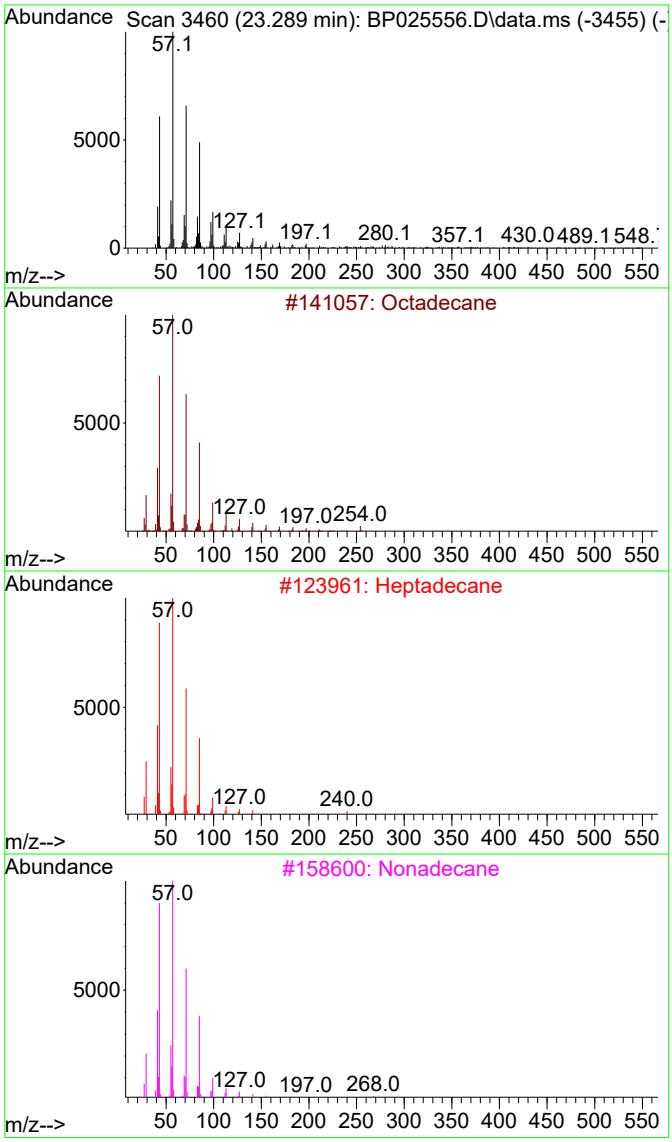
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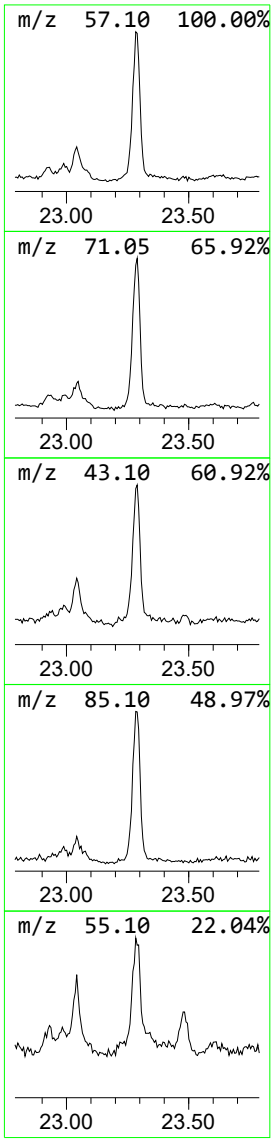
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Peak Number 17 Octadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.289	3.85 ng	594091	Chrysene-d12	21.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Heptadecane	240	C17H36	000629-78-7	94
3	Nonadecane	268	C19H40	000629-92-5	93
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
5	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

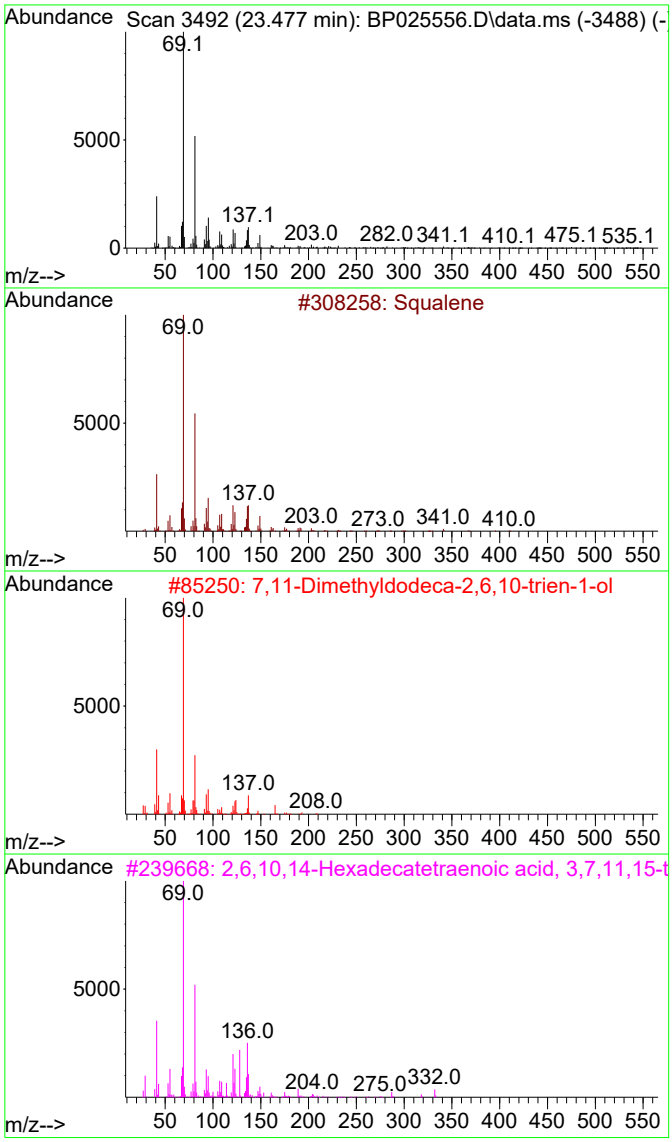
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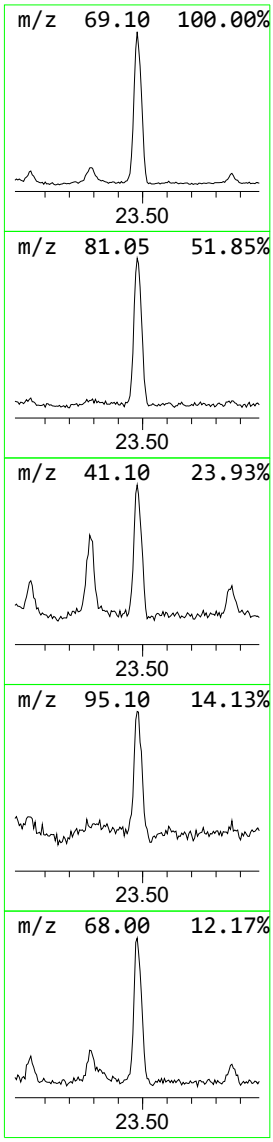
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Peak Number 18 Squalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.477	4.46 ng	701467	Perylene-d12	24.983

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	93
2	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	81
3	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	64
4	1,6-Octadiene, 3,5-dimethyl-, tr...	138	C10H18	074630-87-8	53
5	2,3,5-Trimethyl-2,3,5-hexanetric...	203	C12H17N3	003974-79-6	53





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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On    : 22 Aug 2025  19:43
Operator  : CG/JU
Sample    : Q2934-04
Misc      :
ALS Vial  : 14   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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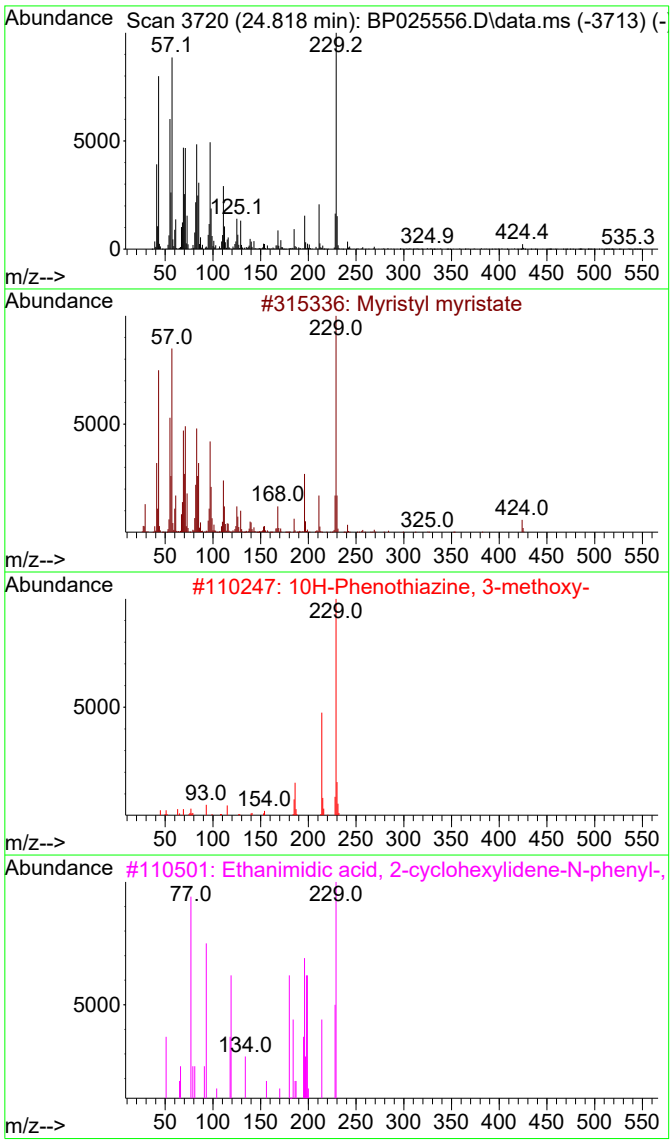
Instrument :
BNA_P
ClientSampleId :
ENV-SW04

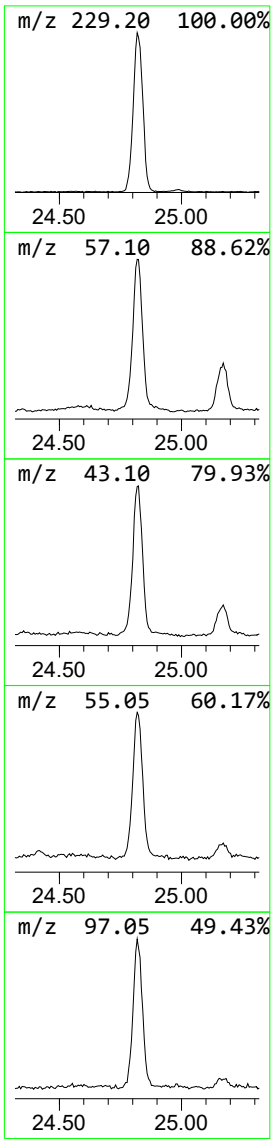
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Peak Number 19 Myristyl myristate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.818	17.66 ng	2777500	Perylene-d12	24.983

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Myristyl myristate	424	C28H56O2	003234-85-3	91
2	10H-Phenothiazine, 3-methoxy-	229	C13H11NOS	001771-19-3	18
3	Ethanimidic acid, 2-cyclohexylid...	229	C15H19NO	056830-05-8	18
4	Tetradecanoic acid, octyl ester	340	C22H44O2	016260-26-7	16
5	4-Acetyl-2,3-O-acetone-d-mannosan	244	C11H16O6	014440-55-2	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

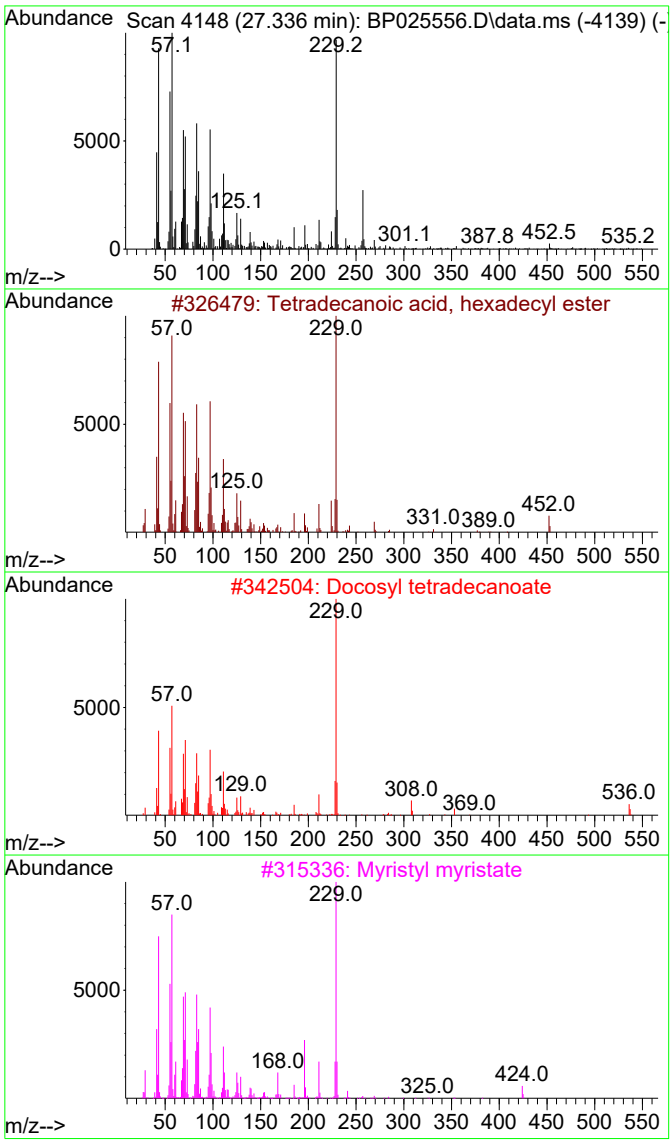
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

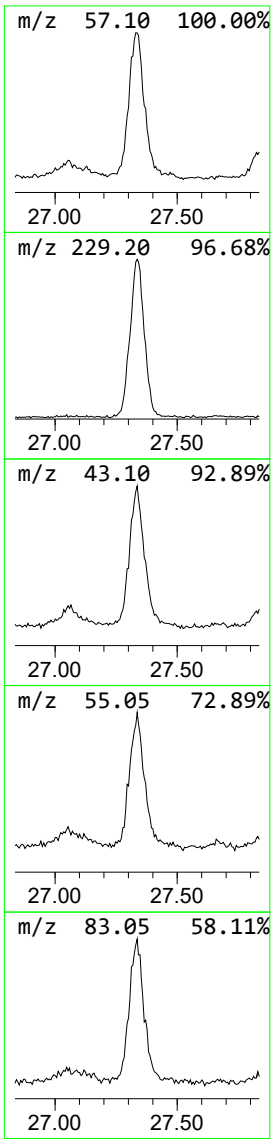
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Tetradecanoic acid, hexadec... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.336	15.16 ng	2384780	Perylene-d12	24.983

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid, hexadecyl ester	452	C30H60O2	002599-01-1	90
2	Docosyl tetradecanoate	537	C36H72O2	042232-05-3	83
3	Myristyl myristate	424	C28H56O2	003234-85-3	64
4	Benzoic acid, 2-chloro-3,5-dinit...	260	C8H5ClN2O6	002213-79-8	22
5	4(E)-Amino-3(E)-phenyl-trans-bic...	229	C16H23N	1000132-27-2	20





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082225\
Data File : BP025556.D
Acq On : 22 Aug 2025 19:43
Operator : CG/JU
Sample : Q2934-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ENV-SW04

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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
3-Buten-2-one, ...	2.984	4.1	ng	232519	1	7.778	1141210	20.0
Butane, 2-metho...	3.031	65.7	ng	3746960	1	7.778	1141210	20.0
unknown3.078	3.078	4.8	ng	273669	1	7.778	1141210	20.0
unknown4.249	4.249	4.4	ng	251233	1	7.778	1141210	20.0
2-Pentanone, 4-...	4.937	7.4	ng	422546	1	7.778	1141210	20.0
Benzophenone	15.766	17.0	ng	1900250	3	14.389	2236000	20.0
Neophytadiene	17.254	9.3	ng	1291150	4	17.189	2776050	20.0
n-Hexadecanoic ...	18.136	30.4	ng	4214240	4	17.189	2776050	20.0
2-Arachidonoylg...	18.825	6.6	ng	918478	4	17.189	2776050	20.0
Phytol	19.189	4.5	ng	631737	4	17.189	2776050	20.0
9,12,15-Octadec...	19.342	7.0	ng	972614	4	17.189	2776050	20.0
Octadecanoic acid	19.454	8.8	ng	1354940	5	21.624	3089590	20.0
Heptadecane, 9-...	20.777	3.9	ng	594171	5	21.624	3089590	20.0
Cyclotetracosane	21.295	16.9	ng	2602920	5	21.624	3089590	20.0
Tetracosane	21.883	4.7	ng	719756	5	21.624	3089590	20.0
Heneicosane, 11...	22.536	5.2	ng	800070	5	21.624	3089590	20.0
Octadecane	23.289	3.9	ng	594091	5	21.624	3089590	20.0
Squalene	23.477	4.5	ng	701467	6	24.983	3145910	20.0
Myristyl myristate	24.818	17.7	ng	2777500	6	24.983	3145910	20.0
Tetradecanoic a...	27.336	15.2	ng	2384780	6	24.983	3145910	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Quant Time: Aug 25 13:15:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

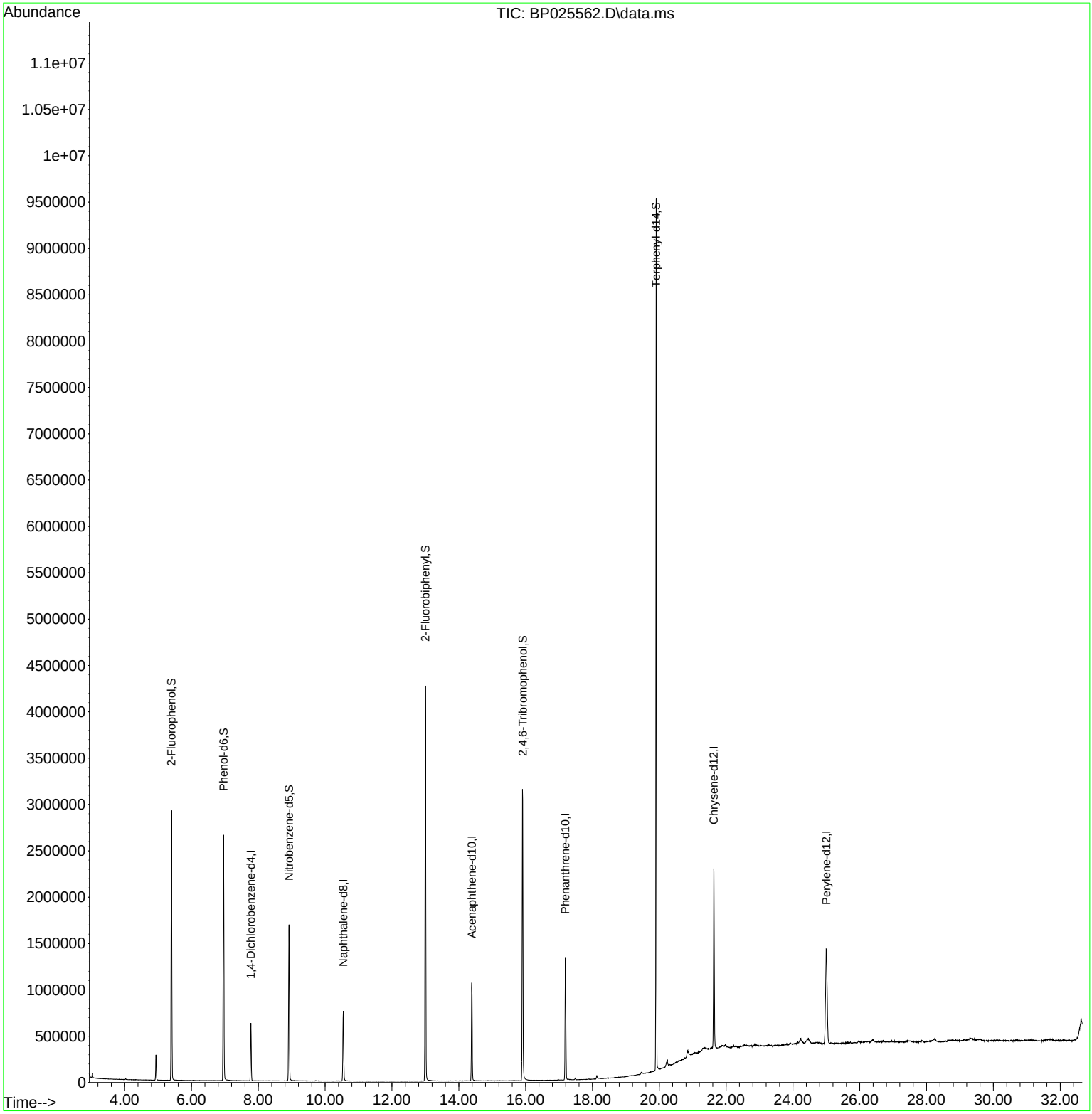
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	173347	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	665603	20.000	ng	-0.02
39) Acenaphthene-d10	14.389	164	424932	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	890876	20.000	ng	#-0.01
76) Chrysene-d12	21.630	240	1139399	20.000	ng	-0.02
86) Perylene-d12	25.001	264	1287992	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.402	112	1305735	125.092	ng	0.00
7) Phenol-d6	6.960	99	1606270	120.026	ng	0.00
23) Nitrobenzene-d5	8.919	82	997167	75.784	ng	-0.02
42) 2,4,6-Tribromophenol	15.913	330	703438	122.987	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2279423	73.312	ng	-0.02
79) Terphenyl-d14	19.907	244	4365584	70.100	ng	-0.01
Target Compounds						Qvalue

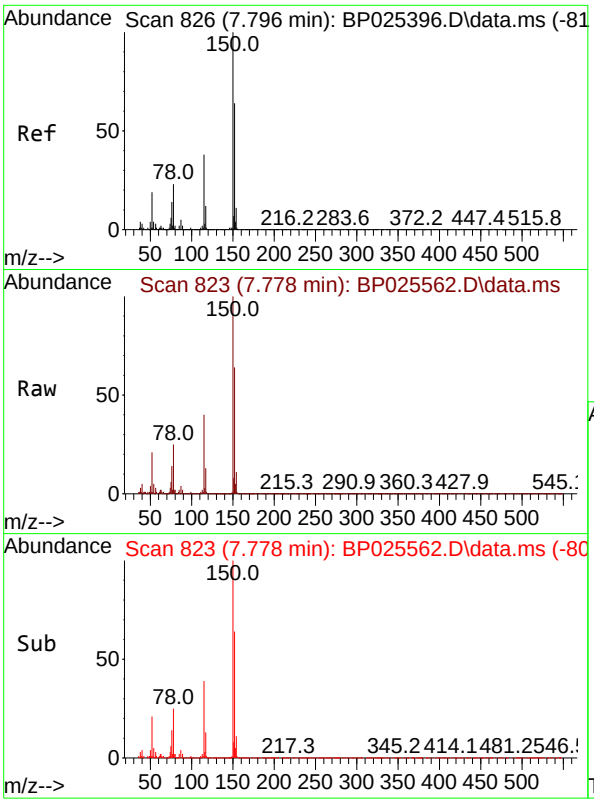
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Quant Time: Aug 25 13:15:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



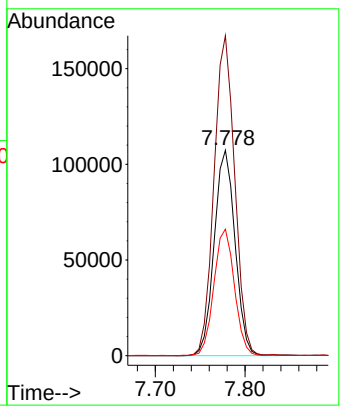


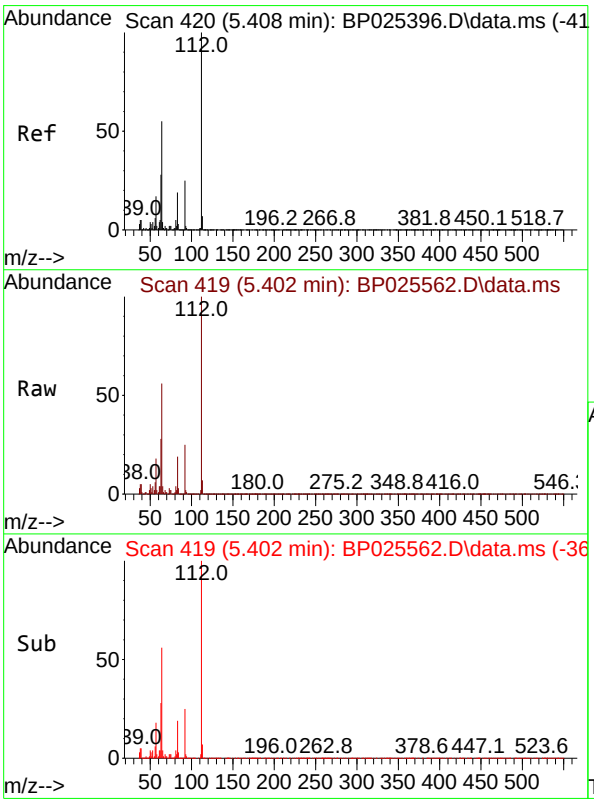
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Tgt Ion:152 Resp: 173347

Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.9	188.9
115	61.6	48.5	72.7

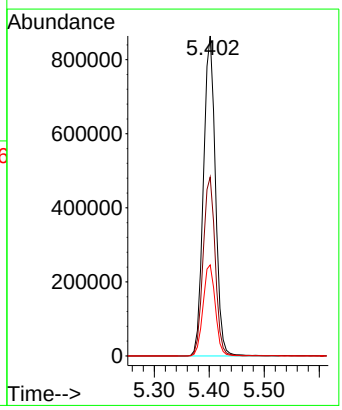


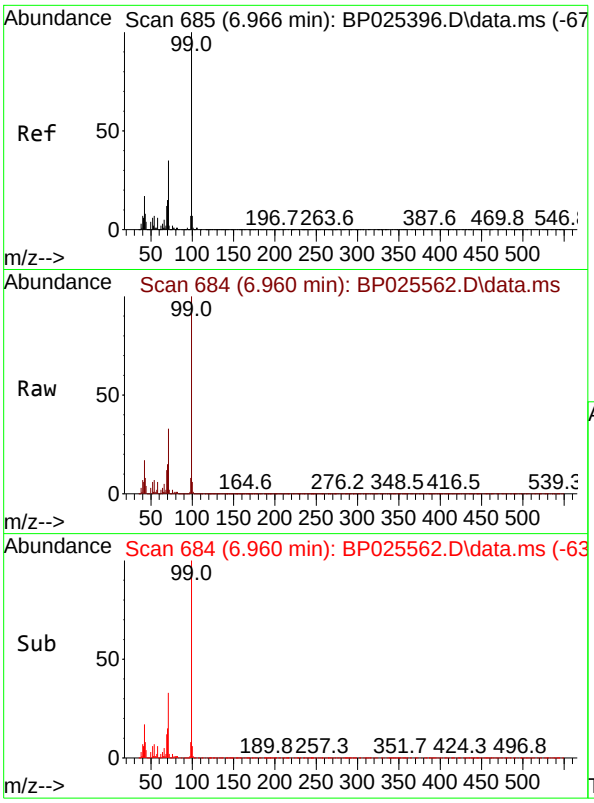


#5
2-Fluorophenol
Concen: 125.092 ng
RT: 5.402 min Scan# 419
Delta R.T. -0.006 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion:112 Resp: 1305735

Ion	Ratio	Lower	Upper
112	100		
64	55.9	43.8	65.8
63	28.5	22.7	34.1



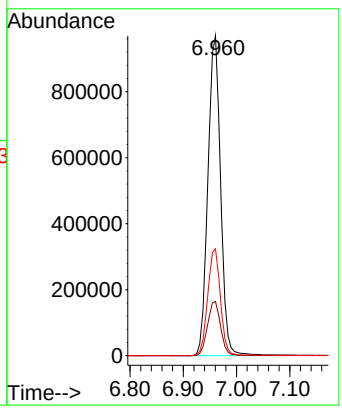


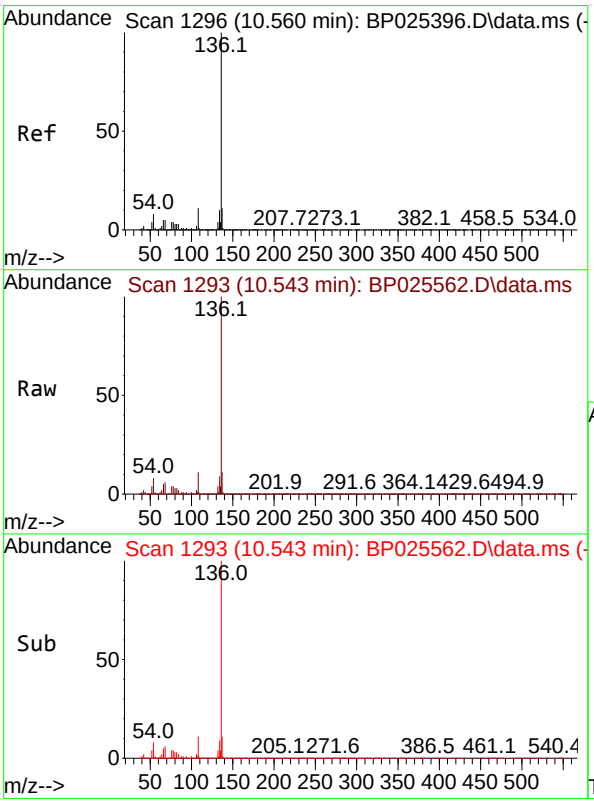
#7
Phenol-d6
Concen: 120.026 ng
RT: 6.960 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Tgt Ion: 99 Resp: 1606270

Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.7	20.5
71	33.4	28.2	42.4

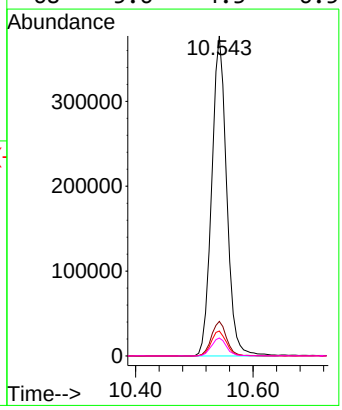


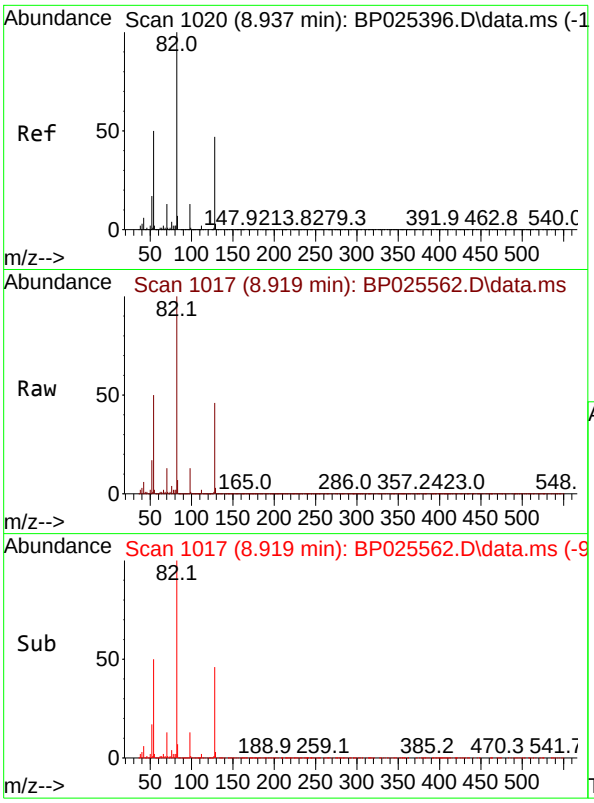


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion:136 Resp: 665603

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.8	6.0	9.0
68	5.6	4.3	6.5



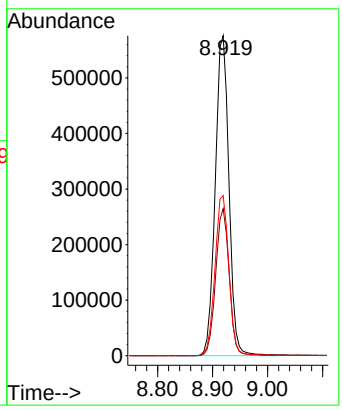


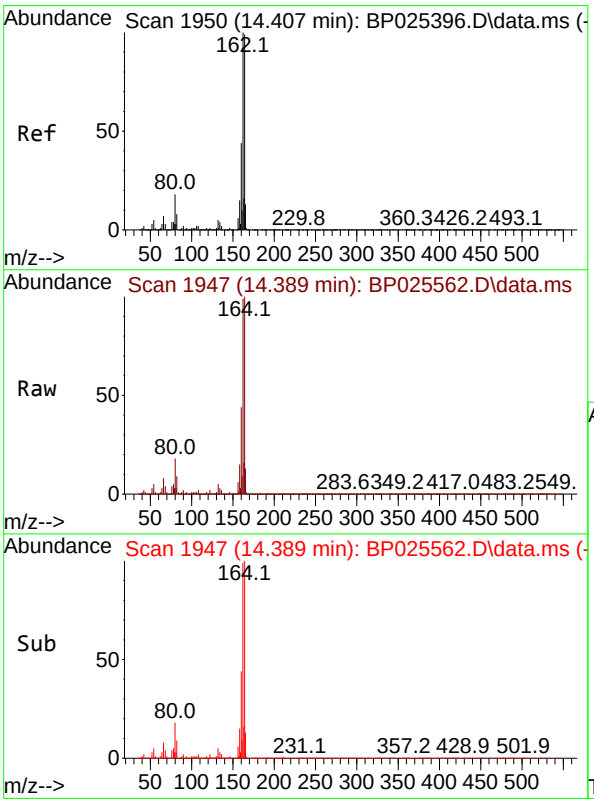
#23
Nitrobenzene-d5
Concen: 75.784 ng
RT: 8.919 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Tgt Ion: 82 Resp: 997167

Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.7	56.5
54	50.0	39.8	59.6

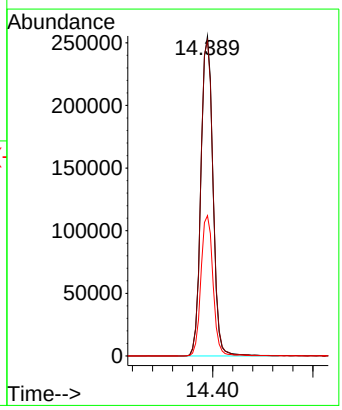


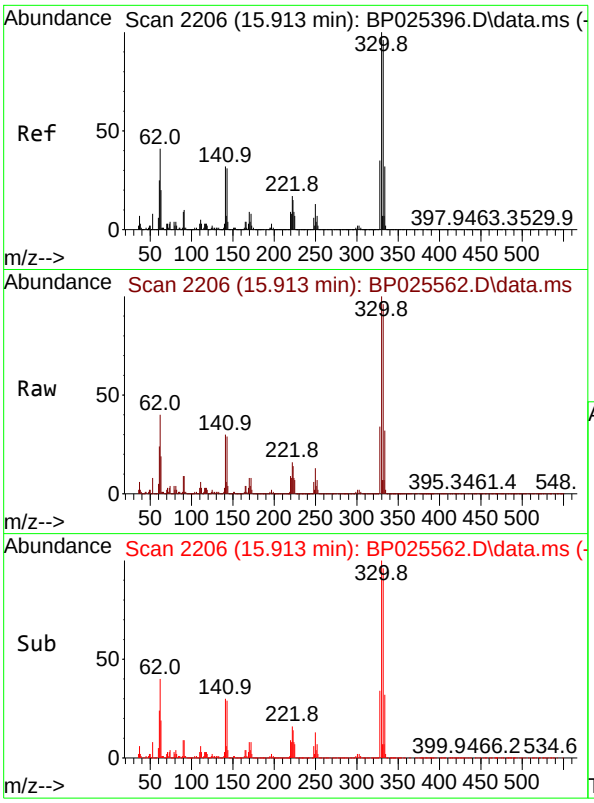


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.389 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion:164 Resp: 424932

Ion	Ratio	Lower	Upper
164	100		
162	98.6	81.0	121.6
160	43.8	35.4	53.2



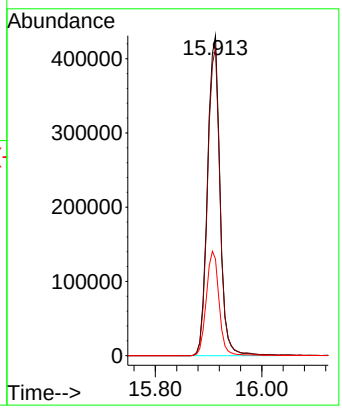


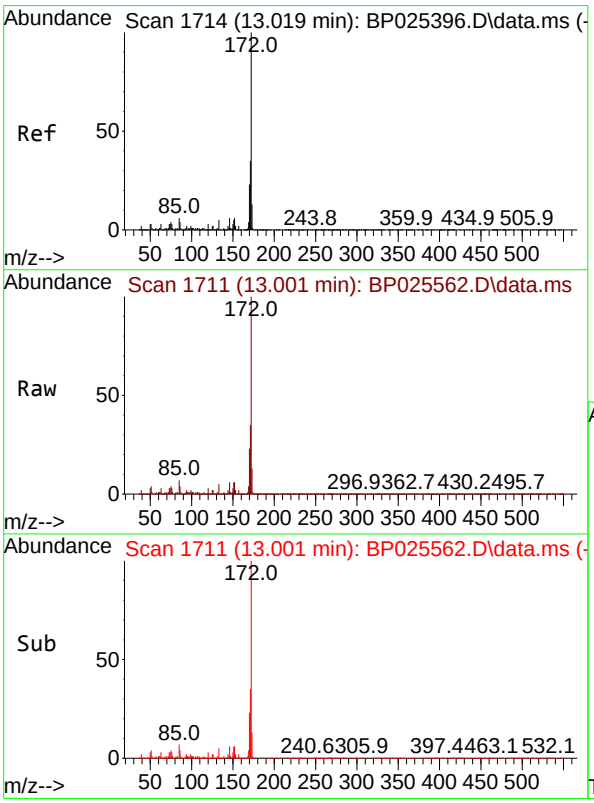
#42
2,4,6-Tribromophenol
Concen: 122.987 ng
RT: 15.913 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Tgt Ion:330 Resp: 703438

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	33.4	26.6	39.8

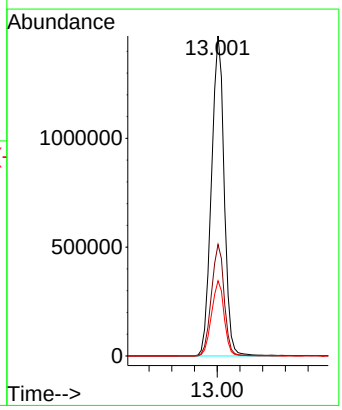


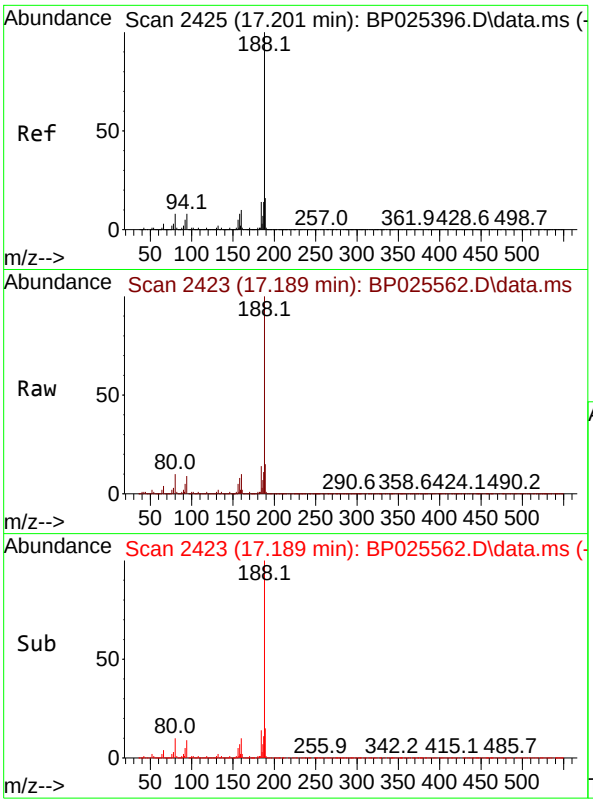


#45
2-Fluorobiphenyl
Concen: 73.312 ng
RT: 13.001 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion:172 Resp: 2279423

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.1	42.1
170	23.5	18.6	28.0



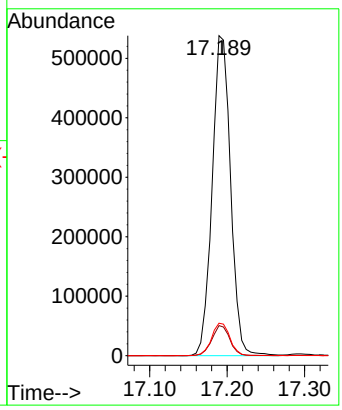


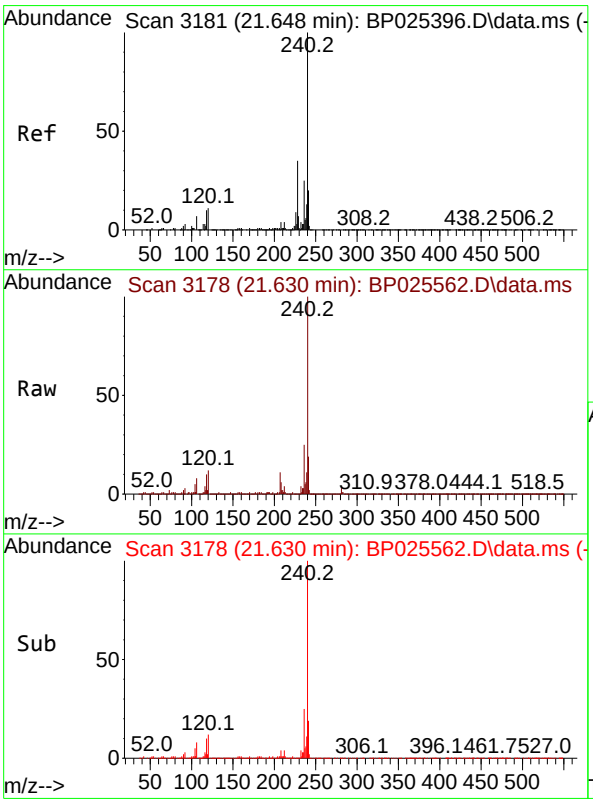
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Tgt Ion:188 Resp: 890876

Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.6	10.0
80	10.2	6.7	10.1#

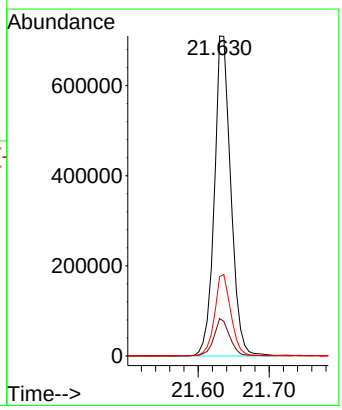


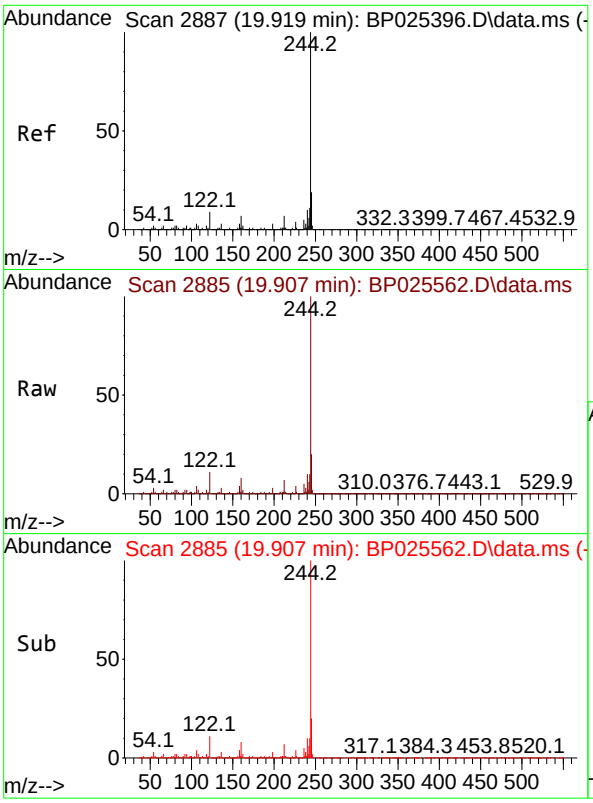


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.018 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion:240 Resp: 1139399

Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.9	13.3
236	24.9	19.8	29.8



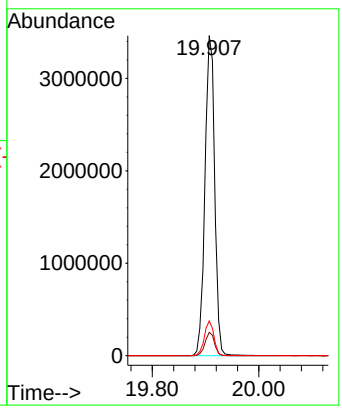


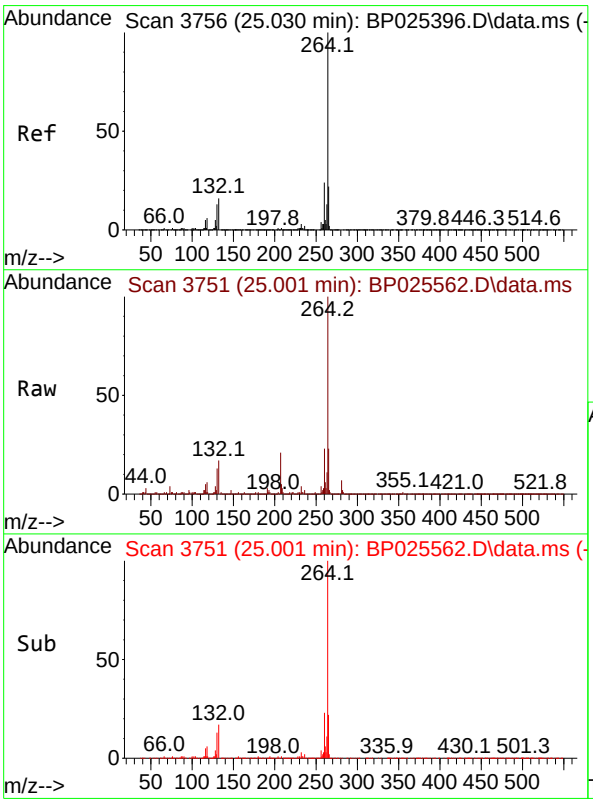
#79
Terphenyl-d14
Concen: 70.100 ng
RT: 19.907 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Tgt Ion:244 Resp: 4365584

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	10.9	7.4	11.2

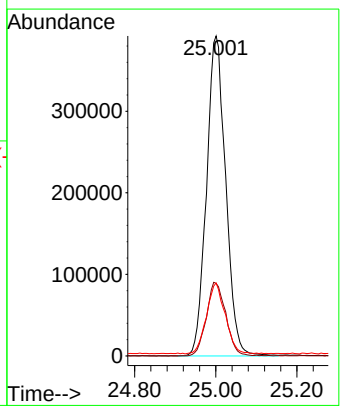




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3751
Delta R.T. -0.029 min
Lab File: BP025562.D
Acq: 25 Aug 2025 12:54

Tgt Ion:264 Resp: 1287992

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.3	28.9
265	22.8	17.4	26.0



Sample Results: **BP025562.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

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_P\Methods\8270E-BP081425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025562.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.937	334	340	349	rBV	274048	385712	3.26%	0.792%
2	5.402	412	419	431	rBV	2910782	4425282	37.38%	9.085%
3	6.960	676	684	699	rBV	2650857	4451825	37.60%	9.139%
4	7.778	814	823	830	rBV	622696	996709	8.42%	2.046%
5	8.919	1008	1017	1031	rBV	1686610	2946761	24.89%	6.050%
6	10.543	1283	1293	1304	rBV	757756	1350823	11.41%	2.773%
7	13.001	1703	1711	1726	rBV	4265384	6557684	55.39%	13.463%
8	14.389	1939	1947	1962	rBV	1060124	1793337	15.15%	3.682%
9	15.907	2196	2205	2228	rBV	3145653	5351311	45.20%	10.986%
10	17.195	2416	2424	2437	rBV2	1317090	2227676	18.82%	4.573%
11	19.907	2879	2885	2898	rBV	9406868	11839617	100.00%	24.306%
12	21.630	3173	3178	3190	rVB	1930449	3042992	25.70%	6.247%
13	24.995	3742	3750	3765	rVB	1019950	3340202	28.21%	6.857%

Sum of corrected areas: 48709931

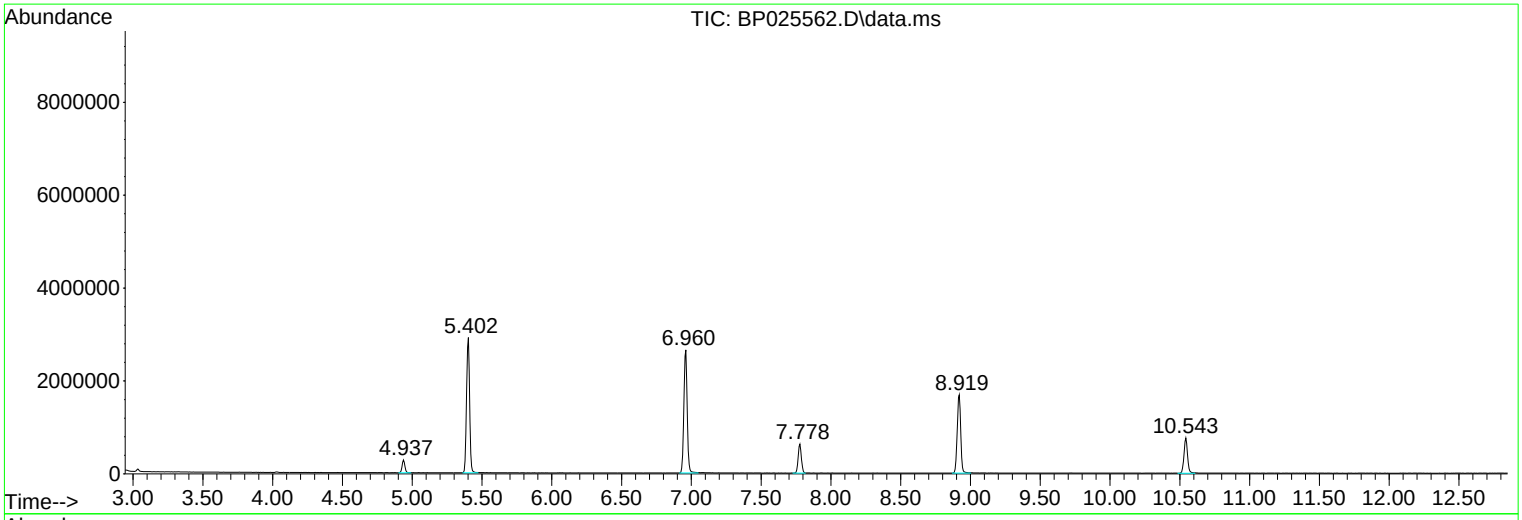
Sample Results: **BP025562.D**

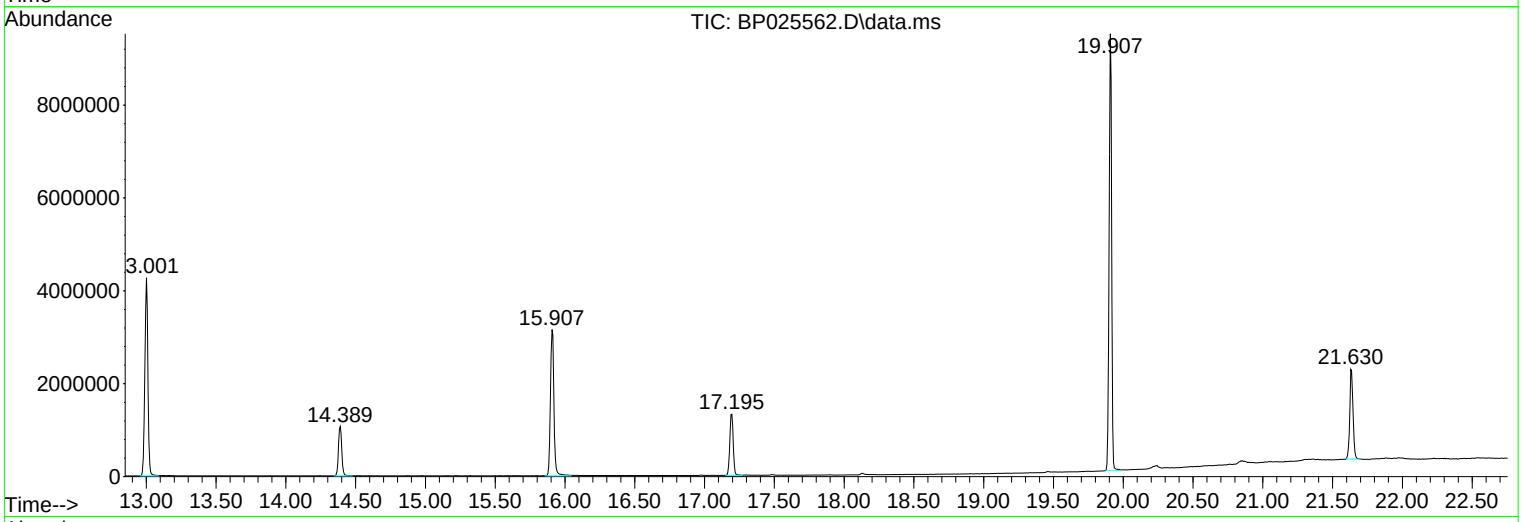
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

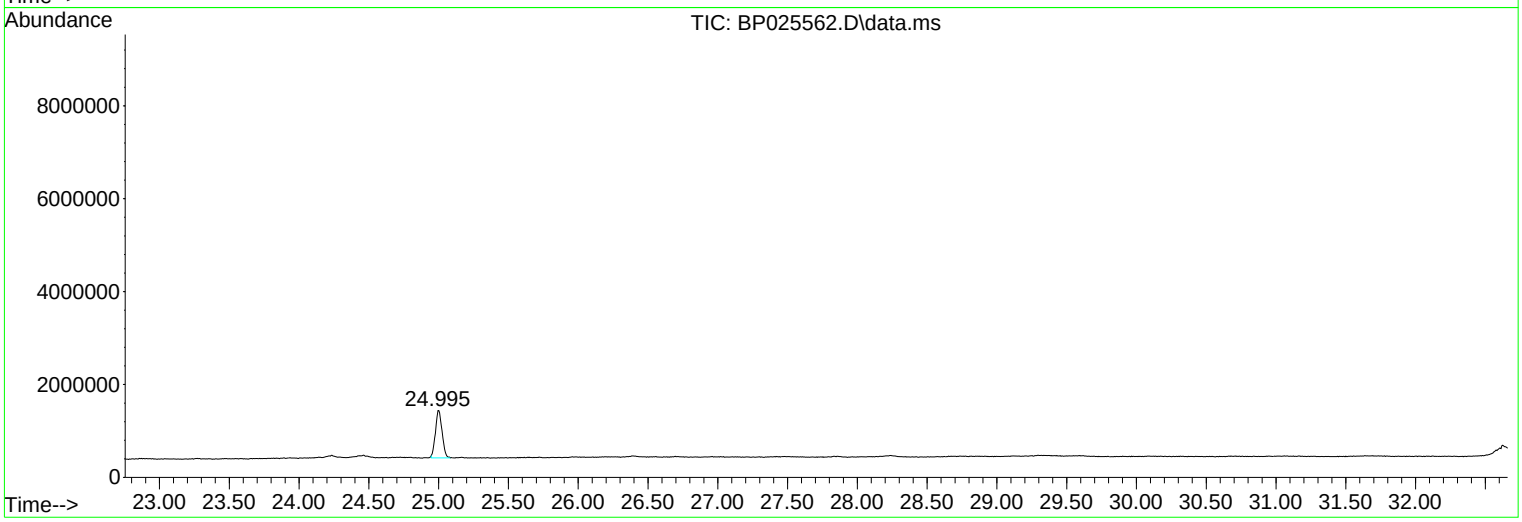
Instrument :
BNA_P
ClientSampleId :
PB169362BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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_P\Data\BP082525\
Data File : BP025562.D
Acq On    : 25 Aug 2025  12:54
Operator  : CG/JU
Sample    : PB169362BL
Misc      :
ALS Vial  : 3   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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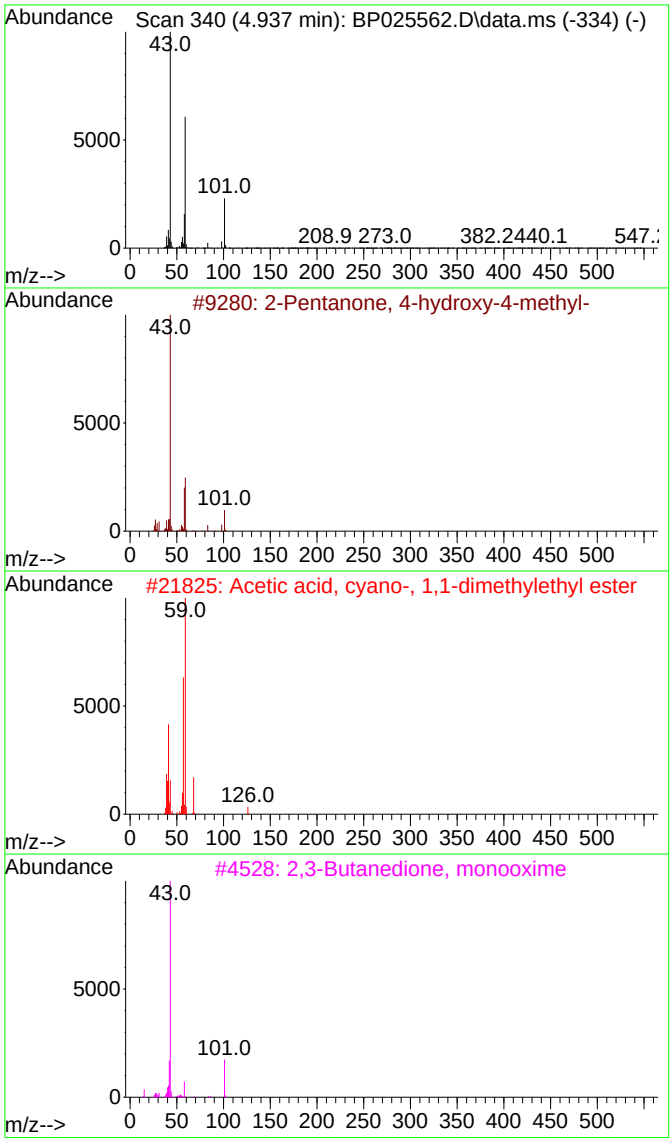
Instrument :
BNA_P
ClientSampleId :
PB169362BL

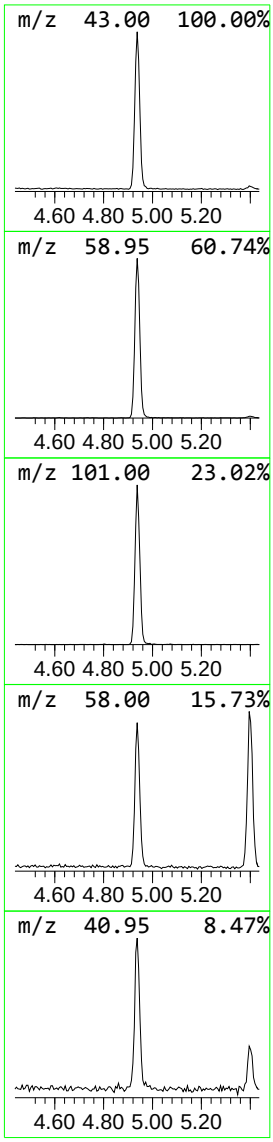
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.937	7.74 ng	385712	1,4-Dichlorobenzene-d4	7.778

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025562.D
Acq On : 25 Aug 2025 12:54
Operator : CG/JU
Sample : PB169362BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.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
2-Pentanone, 4-...	4.937	7.7	ng	385712	1	7.778	996709	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
Data File : BP025581.D
Acq On : 26 Aug 2025 11:44
Operator : CG/JU
Sample : PB169362BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BS

Quant Time: Aug 26 12:07:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.778	152	256194	20.000	ng		-0.02
21) Naphthalene-d8	10.549	136	1004578	20.000	ng		-0.01
39) Acenaphthene-d10	14.407	164	636349	20.000	ng		0.00
64) Phenanthrene-d10	17.195	188	1239646	20.000	ng		0.00
76) Chrysene-d12	21.630	240	1177566	20.000	ng		-0.02
86) Perylene-d12	24.989	264	1318341	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.414	112	1791887	116.154	ng		0.00
7) Phenol-d6	6.972	99	2226832	112.588	ng		0.00
23) Nitrobenzene-d5	8.925	82	1431478	72.082	ng		-0.01
42) 2,4,6-Tribromophenol	15.919	330	1021885	119.305	ng		0.00
45) 2-Fluorobiphenyl	13.013	172	3299304	70.859	ng		0.00
79) Terphenyl-d14	19.919	244	4858385	75.484	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.331	88	211063	34.929	ng		98
3) Pyridine	3.726	79	587186	35.502	ng		97
4) n-Nitrosodimethylamine	3.631	42	280989	41.209	ng		97
6) Aniline	7.114	93	795779	29.862	ng		97
8) 2-Chlorophenol	7.355	128	723872	41.581	ng		98
9) Benzaldehyde	6.931	77	317953	22.945	ng		97
10) Phenol	7.002	94	864737	41.666	ng		99
11) bis(2-Chloroethyl)ether	7.208	93	648453	40.087	ng		99
12) 1,3-Dichlorobenzene	7.672	146	767314	39.973	ng		100
13) 1,4-Dichlorobenzene	7.814	146	784585	39.989	ng		99
14) 1,2-Dichlorobenzene	8.125	146	755735	39.791	ng		99
15) Benzyl Alcohol	8.014	79	617462	39.290	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.302	45	860354	39.703	ng		100
17) 2-Methylphenol	8.231	107	591057	41.006	ng		99
18) Hexachloroethane	8.855	117	291012	40.340	ng		95
19) n-Nitroso-di-n-propyla...	8.578	70	477539	36.451	ng		99
20) 3+4-Methylphenols	8.555	107	794684	39.774	ng		99
22) Acetophenone	8.596	105	1002924	39.810	ng	#	99
24) Nitrobenzene	8.966	77	730033	41.133	ng		99
25) Isophorone	9.490	82	1378210	39.215	ng		98
26) 2-Nitrophenol	9.666	139	389055	42.713	ng		97
27) 2,4-Dimethylphenol	9.737	122	662704	42.307	ng		99
28) bis(2-Chloroethoxy)met...	9.961	93	850880	40.052	ng		99
29) 2,4-Dichlorophenol	10.208	162	673024	43.252	ng		98
30) 1,2,4-Trichlorobenzene	10.413	180	685300	40.176	ng		99
31) Naphthalene	10.602	128	2075445	39.749	ng		99
32) Benzoic acid	9.908	122	524790	45.380	ng		98
33) 4-Chloroaniline	10.708	127	551600	23.916	ng		99
34) Hexachlorobutadiene	10.878	225	433221	40.781	ng		100
35) Caprolactam	11.502	113	225808	39.576	ng		97
36) 4-Chloro-3-methylphenol	11.843	107	755078	42.289	ng		98
37) 2-Methylnaphthalene	12.207	142	1339301	39.416	ng		98
38) 1-Methylnaphthalene	12.425	142	1381572	38.233	ng		99
40) 1,2,4,5-Tetrachloroben...	12.578	216	771235	41.964	ng		99
41) Hexachlorocyclopentadiene	12.560	237	899638	81.039	ng		99
43) 2,4,6-Trichlorophenol	12.819	196	546655	44.058	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
Data File : BP025581.D
Acq On : 26 Aug 2025 11:44
Operator : CG/JU
Sample : PB169362BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BS

Quant Time: Aug 26 12:07:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

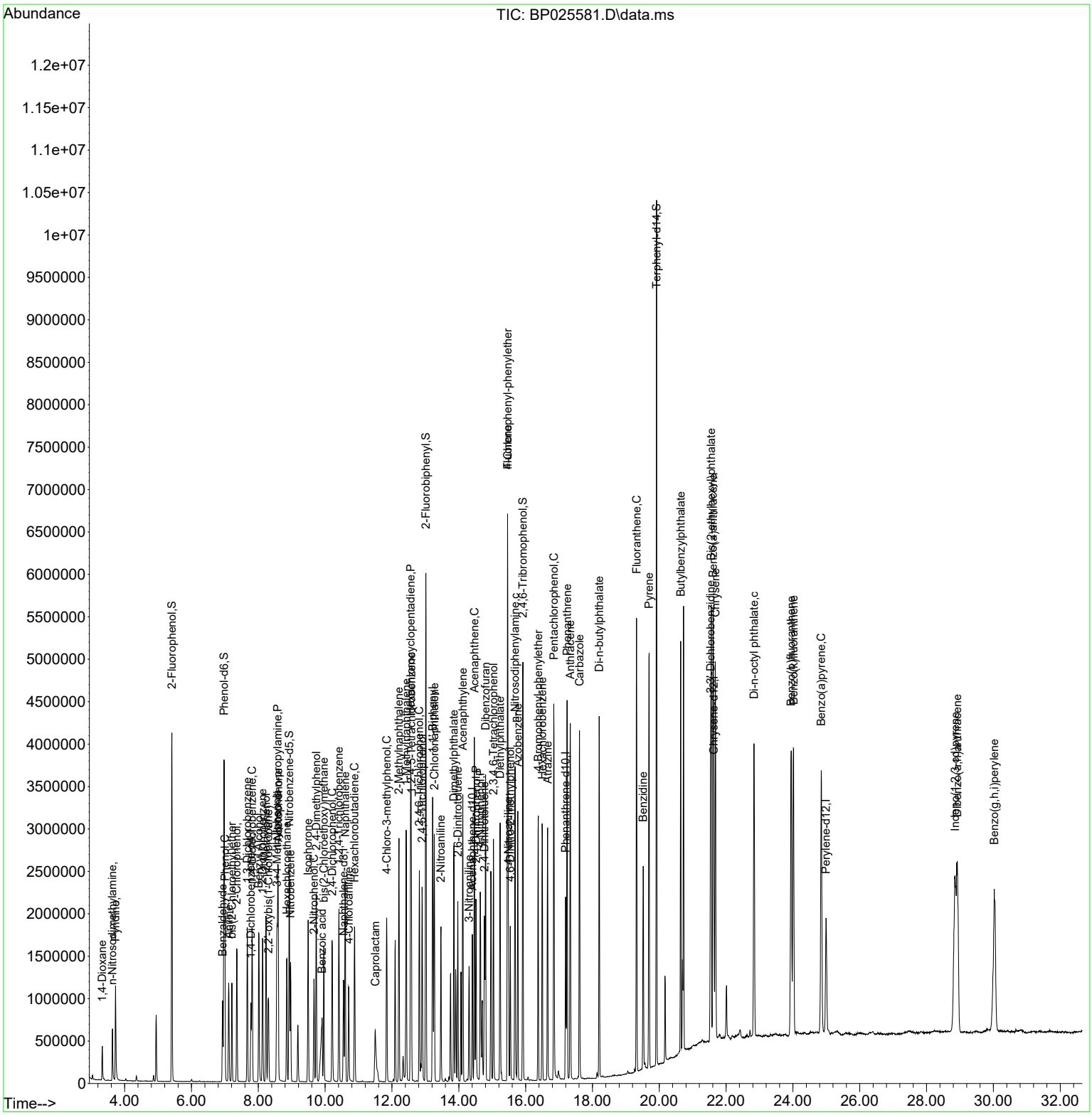
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.902	196	606774	44.621	ng		99
46) 1,1'-Biphenyl	13.219	154	1931665	41.797	ng		99
47) 2-Chloronaphthalene	13.266	162	1472263	40.921	ng		99
48) 2-Nitroaniline	13.466	65	461040	43.979	ng		98
49) Acenaphthylene	14.119	152	2435658	40.912	ng		100
50) Dimethylphthalate	13.854	163	1911307	41.016	ng		100
51) 2,6-Dinitrotoluene	13.972	165	426287	43.402	ng		99
52) Acenaphthene	14.466	154	1380494	39.505	ng		98
53) 3-Nitroaniline	14.307	138	345007	31.221	ng		97
54) 2,4-Dinitrophenol	14.519	184	533837	101.778	ng		95
55) Dibenzofuran	14.801	168	2222480	40.227	ng		99
56) 4-Nitrophenol	14.643	139	745489	82.098	ng		95
57) 2,4-Dinitrotoluene	14.766	165	611705	43.652	ng		96
58) Fluorene	15.460	166	1754062	40.236	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.037	232	516718	43.035	ng		99
60) Diethylphthalate	15.237	149	1963954	41.478	ng		99
61) 4-Chlorophenyl-phenyle...	15.460	204	869582	40.107	ng		99
62) 4-Nitroaniline	15.484	138	465461	41.087	ng		98
63) Azobenzene	15.766	77	1705622	42.069	ng		99
65) 4,6-Dinitro-2-methylph...	15.543	198	360561	46.660	ng		97
66) n-Nitrosodiphenylamine	15.684	169	1617614	42.792	ng		99
67) 4-Bromophenyl-phenylether	16.378	248	576012	42.249	ng		100
68) Hexachlorobenzene	16.495	284	664199	42.026	ng		98
69) Atrazine	16.660	200	590609	41.719	ng		100
70) Pentachlorophenol	16.843	266	866823	86.886	ng		96
71) Phenanthrene	17.242	178	2783407	40.874	ng		99
72) Anthracene	17.337	178	2880596	41.423	ng		100
73) Carbazole	17.613	167	2673601	40.817	ng		100
74) Di-n-butylphthalate	18.201	149	3353500	41.612	ng		99
75) Fluoranthene	19.319	202	3247240	39.976	ng		99
77) Benzidine	19.519	184	1596713	39.731	ng		99
78) Pyrene	19.695	202	3319660	43.373	ng		99
80) Butylbenzylphthalate	20.642	149	1537154	44.314	ng		99
81) Benzo(a)anthracene	21.607	228	3274508	42.164	ng		99
82) 3,3'-Dichlorobenzidine	21.536	252	934179	31.914	ng		99
83) Chrysene	21.678	228	3029858	41.659	ng		99
84) Bis(2-ethylhexyl)phtha...	21.554	149	2179550	42.684	ng		100
85) Di-n-octyl phthalate	22.836	149	3839151	43.711	ng		99
87) Indeno(1,2,3-cd)pyrene	28.854	276	4001108	41.384	ng	#	95
88) Benzo(b)fluoranthene	23.948	252	3243383	41.722	ng		99
89) Benzo(k)fluoranthene	24.019	252	3250836	41.789	ng		99
90) Benzo(a)pyrene	24.848	252	3144868	41.559	ng		99
91) Dibenzo(a,h)anthracene	28.918	278	3304493	41.824	ng		98
92) Benzo(g,h,i)perylene	30.024	276	3213416	41.376	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
Data File : BP025581.D
Acq On : 26 Aug 2025 11:44
Operator : CG/JU
Sample : PB169362BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB169362BS

Quant Time: Aug 26 12:07:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
Data File : BP025602.D
Acq On : 27 Aug 2025 14:18
Operator : CG/JU
Sample : Q2924-03MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 27 14:56:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MW-201-082025MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jagrut Upadhyay 08/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	177033	20.000	ng	-0.01
21) Naphthalene-d8	10.566	136	389081m	20.000	ng	0.00
39) Acenaphthene-d10	14.389	164	432672	20.000	ng	-0.02
64) Phenanthrene-d10	17.189	188	850262	20.000	ng	-0.01
76) Chrysene-d12	21.636	240	903685	20.000	ng	-0.01
86) Perylene-d12	25.001	264	1056322	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	720276	67.567	ng	0.00
7) Phenol-d6	6.972	99	565271	41.360	ng	0.00
23) Nitrobenzene-d5	8.925	82	1139805	148.189	ng	-0.01
42) 2,4,6-Tribromophenol	15.907	330	802398	137.779	ng	0.00
45) 2-Fluorobiphenyl	13.001	172	2521559	79.649	ng	-0.02
79) Terphenyl-d14	19.919	244	3799180	76.917	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.325	88	86034	20.604	ng	97
3) Pyridine	3.725	79	216603	18.952	ng	96
4) n-Nitrosodimethylamine	3.631	42	114731	24.350	ng	# 94
6) Aniline	7.119	93	435007	23.623	ng	97
8) 2-Chlorophenol	7.360	128	461645	38.376	ng	100
9) Benzaldehyde	6.937	77	356363	37.216	ng	# 1
10) Phenol	7.002	94	223179	15.562	ng	85
11) bis(2-Chloroethyl)ether	7.213	93	480450	42.982	ng	# 82
12) 1,3-Dichlorobenzene	7.672	146	447780	33.758	ng	98
13) 1,4-Dichlorobenzene	7.819	146	456562	33.675	ng	100
14) 1,2-Dichlorobenzene	8.131	146	451271	34.385	ng	100
15) Benzyl Alcohol	8.043	79	330762	30.458	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.325	45	248133	16.571	ng	# 56
17) 2-Methylphenol	8.249	107	326777	32.808	ng	99
18) Hexachloroethane	8.866	117	450683	90.410	ng	# 55
19) n-Nitroso-di-n-propyla...	8.578	70	370268	40.900	ng	99
20) 3+4-Methylphenols	8.549	107	547488	39.655	ng	99
22) Acetophenone	8.596	105	828397	84.900	ng	98
24) Nitrobenzene	8.966	77	572174	83.237	ng	99
25) Isophorone	9.513	82	1078122	79.204	ng	99
26) 2-Nitrophenol	9.672	139	296181	83.956	ng	98
27) 2,4-Dimethylphenol	9.749	122	445083	73.364	ng	100
28) bis(2-Chloroethoxy)met...	9.990	93	561312	68.218	ng	97
29) 2,4-Dichlorophenol	10.231	162	471453	78.228	ng	97
30) 1,2,4-Trichlorobenzene	10.443	180	497208	75.260	ng	98
31) Naphthalene	10.607	128	53384471m	2639.830	ng	
32) Benzoic acid	9.872	122	137031	30.594	ng	95
33) 4-Chloroaniline	10.707	127	246679m	27.615	ng	
34) Hexachlorobutadiene	10.890	225	285321	69.347	ng	98
35) Caprolactam	11.513	113	35758	16.181	ng	90
36) 4-Chloro-3-methylphenol	11.837	107	513005	74.182	ng	95
37) 2-Methylnaphthalene	12.213	142	10166437	772.505	ng	97
38) 1-Methylnaphthalene	12.431	142	7289723	520.863	ng	99
40) 1,2,4,5-Tetrachloroben...	12.572	216	607380	48.606	ng	99
41) Hexachlorocyclopentadiene	12.554	237	583510	77.305	ng	99
43) 2,4,6-Trichlorophenol	12.813	196	410669	48.679	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
Data File : BP025602.D
Acq On : 27 Aug 2025 14:18
Operator : CG/JU
Sample : Q2924-03MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 27 14:56:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MW-201-082025MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jagrut Upadhyay 08/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	442682	47.879	ng	97
46) 1,1'-Biphenyl	13.219	154	2122145	67.534	ng	99
47) 2-Chloronaphthalene	13.260	162	1159450	47.397	ng	99
48) 2-Nitroaniline	13.460	65	373967	52.466	ng	99
49) Acenaphthylene	14.113	152	7330044	181.084	ng	98
50) Dimethylphthalate	13.842	163	1497485	47.263	ng	99
51) 2,6-Dinitrotoluene	13.966	165	332758	49.828	ng	96
52) Acenaphthene	14.454	154	1259575	53.012	ng	100
53) 3-Nitroaniline	14.295	138	230882	30.729	ng	98
54) 2,4-Dinitrophenol	14.507	184	407573	114.285	ng	99
55) Dibenzofuran	14.789	168	1868479	49.740	ng	100
56) 4-Nitrophenol	14.648	139	251770	40.778	ng	96
57) 2,4-Dinitrotoluene	14.760	165	492932	51.735	ng	98
58) Fluorene	15.454	166	1929806	65.105	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.031	232	404723m	49.575	ng	
60) Diethylphthalate	15.225	149	1570718	48.789	ng	99
61) 4-Chlorophenyl-phenyle...	15.448	204	693292	47.029	ng	99
62) 4-Nitroaniline	15.472	138	362177	47.020	ng	97
63) Azobenzene	15.754	77	1380374	50.074	ng	97
65) 4,6-Dinitro-2-methylph...	15.536	198	283344	53.460	ng	94
66) n-Nitrosodiphenylamine	15.672	169	1286193	49.606	ng	99
67) 4-Bromophenyl-phenylether	16.372	248	467298	49.971	ng	99
68) Hexachlorobenzene	16.483	284	552050	50.927	ng	98
69) Atrazine	16.654	200	450342	46.379	ng	98
70) Pentachlorophenol	16.836	266	715400	104.547	ng	98
71) Phenanthrene	17.236	178	2961334	63.401	ng	100
72) Anthracene	17.336	178	2472023	51.827	ng	100
73) Carbazole	17.607	167	2687128	59.810	ng	100
74) Di-n-butylphthalate	18.201	149	2751702	49.782	ng	100
75) Fluoranthene	19.319	202	2756444	49.475	ng	99
77) Benzidine	19.524	184	778981	25.258	ng	99
78) Pyrene	19.695	202	2876336	48.970	ng	99
80) Butylbenzylphthalate	20.648	149	1322126	49.666	ng	98
81) Benzo(a)anthracene	21.618	228	2864079	48.056	ng	100
82) 3,3'-Dichlorobenzidine	21.542	252	904366	40.258	ng	99
83) Chrysene	21.689	228	2708735	48.532	ng	99
84) Bis(2-ethylhexyl)phtha...	21.554	149	1840824	46.976	ng	99
85) Di-n-octyl phthalate	22.842	149	3331848	49.432	ng	99
87) Indeno(1,2,3-cd)pyrene	28.853	276	3764445m	48.595	ng	
88) Benzo(b)fluoranthene	23.948	252	3022805	48.529	ng	99
89) Benzo(k)fluoranthene	24.018	252	2971189	47.668	ng	99
90) Benzo(a)pyrene	24.854	252	2898626	47.806	ng	99
91) Dibenzo(a,h)anthracene	28.936	278	3130465	49.450	ng	98
92) Benzo(g,h,i)perylene	30.047	276	3028218	48.663	ng	99

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

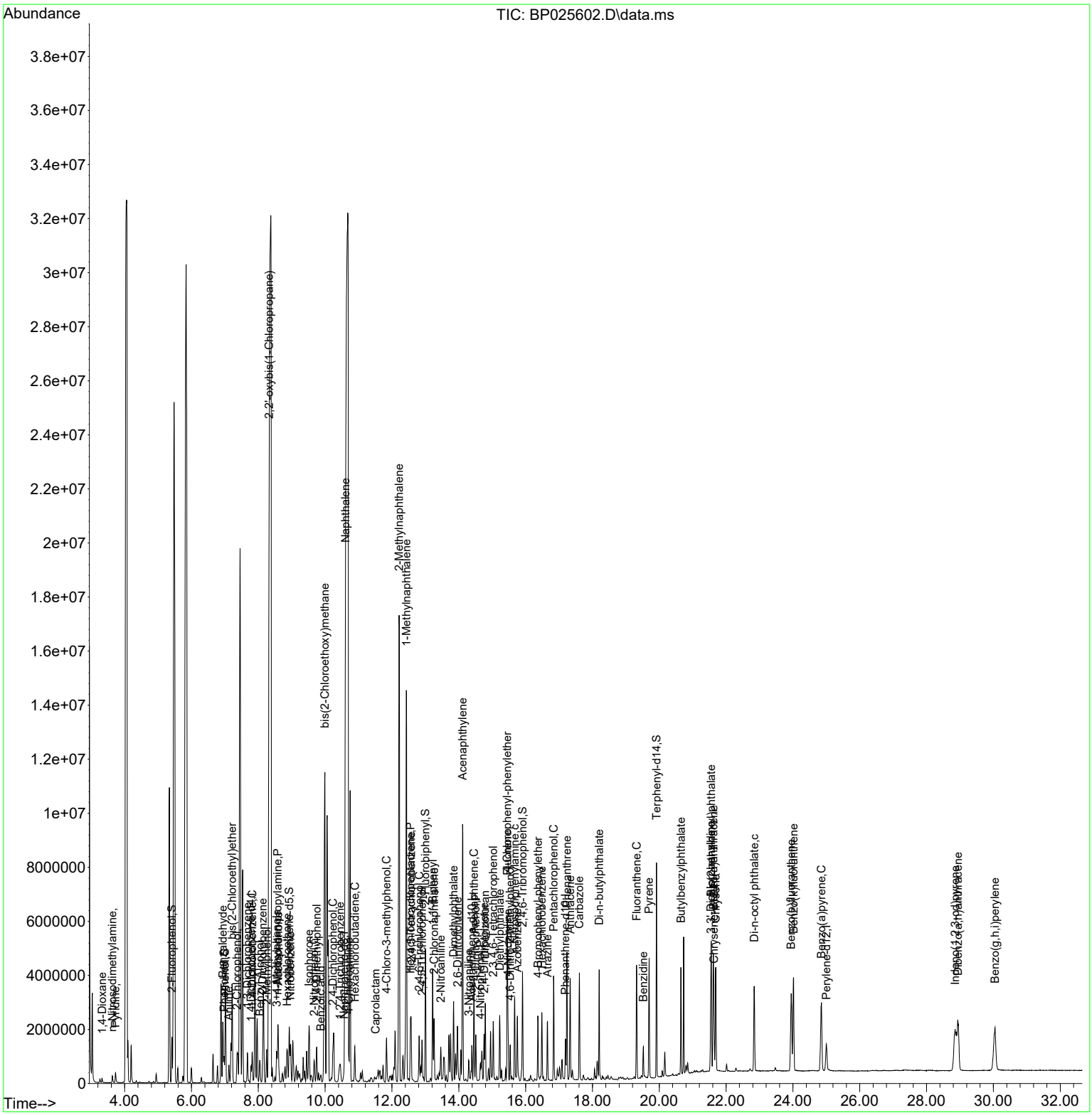
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
Data File : BP025602.D
Acq On : 27 Aug 2025 14:18
Operator : CG/JU
Sample : Q2924-03MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 27 14:56:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MW-201-082025MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jagrut Upadhyay 08/28/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
Data File : BP025603.D
Acq On : 27 Aug 2025 15:00
Operator : CG/JU
Sample : Q2924-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 27 15:23:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MW-201-082025MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jagrut Upadhyay 08/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	165573	20.000	ng	-0.02
21) Naphthalene-d8	10.566	136	358938m	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	417829	20.000	ng	0.00
64) Phenanthrene-d10	17.201	188	814298	20.000	ng	0.00
76) Chrysene-d12	21.636	240	887974	20.000	ng	-0.01
86) Perylene-d12	25.007	264	1057493	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	671751	67.377	ng	0.00
7) Phenol-d6	6.972	99	529341	41.411	ng	0.00
23) Nitrobenzene-d5	8.925	82	1058184	149.131	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	757775	134.739	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	2386494	78.060	ng	-0.01
79) Terphenyl-d14	19.919	244	3697065	76.174	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.320	88	80709	20.667	ng	99
3) Pyridine	3.725	79	202156	18.912	ng	95
4) n-Nitrosodimethylamine	3.631	42	105107	23.851	ng	96
6) Aniline	7.113	93	412121	23.929	ng	97
8) 2-Chlorophenol	7.360	128	422887	37.587	ng	97
9) Benzaldehyde	6.931	77	320616	35.801	ng	# 1
10) Phenol	6.996	94	209480	15.618	ng	89
11) bis(2-Chloroethyl)ether	7.213	93	438912	41.984	ng	# 81
12) 1,3-Dichlorobenzene	7.672	146	417263	33.634	ng	98
13) 1,4-Dichlorobenzene	7.813	146	431205	34.006	ng	98
14) 1,2-Dichlorobenzene	8.131	146	424297	34.567	ng	99
15) Benzyl Alcohol	8.037	79	309179	30.441	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.319	45	244473	17.457	ng	# 57
17) 2-Methylphenol	8.243	107	305694	32.816	ng	98
18) Hexachloroethane	8.866	117	429233	92.067	ng	# 53
19) n-Nitroso-di-n-propyla...	8.578	70	347670	41.062	ng	99
20) 3+4-Methylphenols	8.543	107	511394	39.604	ng	99
22) Acetophenone	8.590	105	774732	86.068	ng	98
24) Nitrobenzene	8.966	77	536503	84.602	ng	98
25) Isophorone	9.507	82	1014281	80.771	ng	98
26) 2-Nitrophenol	9.672	139	279469	85.872	ng	99
27) 2,4-Dimethylphenol	9.749	122	417062	74.518	ng	97
28) bis(2-Chloroethoxy)met...	9.984	93	542429	71.459	ng	97
29) 2,4-Dichlorophenol	10.231	162	449299	80.812	ng	99
30) 1,2,4-Trichlorobenzene	10.443	180	470127	77.137	ng	98
31) Naphthalene	10.607	128	53257232m	2854.698	ng	
32) Benzoic acid	9.872	122	130466	31.575	ng	99
33) 4-Chloroaniline	10.713	127	245084m	29.741	ng	
34) Hexachlorobutadiene	10.884	225	269655	71.043	ng	97
35) Caprolactam	11.507	113	33012	16.193	ng	92
36) 4-Chloro-3-methylphenol	11.837	107	481225	75.431	ng	91
37) 2-Methylnaphthalene	12.219	142	9833822	809.982	ng	97
38) 1-Methylnaphthalene	12.431	142	6970742	539.898	ng	99
40) 1,2,4,5-Tetrachloroben...	12.572	216	570448	47.272	ng	99
41) Hexachlorocyclopentadiene	12.554	237	532370	73.036	ng	99
43) 2,4,6-Trichlorophenol	12.819	196	388583	47.698	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
Data File : BP025603.D
Acq On : 27 Aug 2025 15:00
Operator : CG/JU
Sample : Q2924-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 27 15:23:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MW-201-082025MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jagrut Upadhyay 08/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.901	196	423357	47.415	ng		97
46) 1,1'-Biphenyl	13.219	154	2017741	66.493	ng		99
47) 2-Chloronaphthalene	13.260	162	1096677	46.423	ng		98
48) 2-Nitroaniline	13.466	65	352640	51.231	ng		99
49) Acenaphthylene	14.125	152	6895606	176.403	ng		99
50) Dimethylphthalate	13.842	163	1390812	45.456	ng		99
51) 2,6-Dinitrotoluene	13.960	165	314131	48.710	ng		92
52) Acenaphthene	14.466	154	1167251	50.872	ng		100
53) 3-Nitroaniline	14.295	138	223346	30.782	ng		94
54) 2,4-Dinitrophenol	14.513	184	383271	111.288	ng		98
55) Dibenzofuran	14.807	168	1764171	48.631	ng		98
56) 4-Nitrophenol	14.642	139	241694	40.537	ng		92
57) 2,4-Dinitrotoluene	14.766	165	458819	49.866	ng		96
58) Fluorene	15.460	166	1850230	64.638	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.037	232	379145	48.091	ng		99
60) Diethylphthalate	15.231	149	1443076	46.416	ng		100
61) 4-Chlorophenyl-phenyle...	15.460	204	655680	46.058	ng		96
62) 4-Nitroaniline	15.484	138	349130	46.936	ng		95
63) Azobenzene	15.754	77	1311741	49.274	ng		98
65) 4,6-Dinitro-2-methylph...	15.548	198	268592	52.915	ng		96
66) n-Nitrosodiphenylamine	15.666	169	1192328	48.017	ng		100
67) 4-Bromophenyl-phenylether	16.366	248	442265	49.383	ng		95
68) Hexachlorobenzene	16.489	284	516257	49.728	ng		98
69) Atrazine	16.654	200	428690	46.099	ng		99
70) Pentachlorophenol	16.848	266	659376	100.616	ng		97
71) Phenanthrene	17.242	178	2855159	63.828	ng		99
72) Anthracene	17.336	178	2308905	50.545	ng		99
73) Carbazole	17.619	167	2594549	60.300	ng		99
74) Di-n-butylphthalate	18.207	149	2643612	49.938	ng		100
75) Fluoranthene	19.325	202	2617503	49.056	ng		99
77) Benzidine	19.513	184	785899	25.933	ng		100
78) Pyrene	19.701	202	2744373	47.550	ng		100
80) Butylbenzylphthalate	20.636	149	1291637	49.379	ng		98
81) Benzo(a)anthracene	21.619	228	2778578	47.447	ng		99
82) 3,3'-Dichlorobenzidine	21.530	252	910515	41.249	ng		99
83) Chrysene	21.683	228	2668181	48.651	ng		99
84) Bis(2-ethylhexyl)phtha...	21.554	149	1818319	47.223	ng		100
85) Di-n-octyl phthalate	22.836	149	3269105	49.360	ng		99
87) Indeno(1,2,3-cd)pyrene	28.836	276	3751770	48.377	ng	#	91
88) Benzo(b)fluoranthene	23.948	252	2986627	47.895	ng		98
89) Benzo(k)fluoranthene	24.024	252	2942937	47.163	ng		99
90) Benzo(a)pyrene	24.854	252	2870696	47.293	ng		99
91) Dibenzo(a,h)anthracene	28.924	278	3109637	49.066	ng		98
92) Benzo(g,h,i)perylene	30.042	276	2995786	48.088	ng		98

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

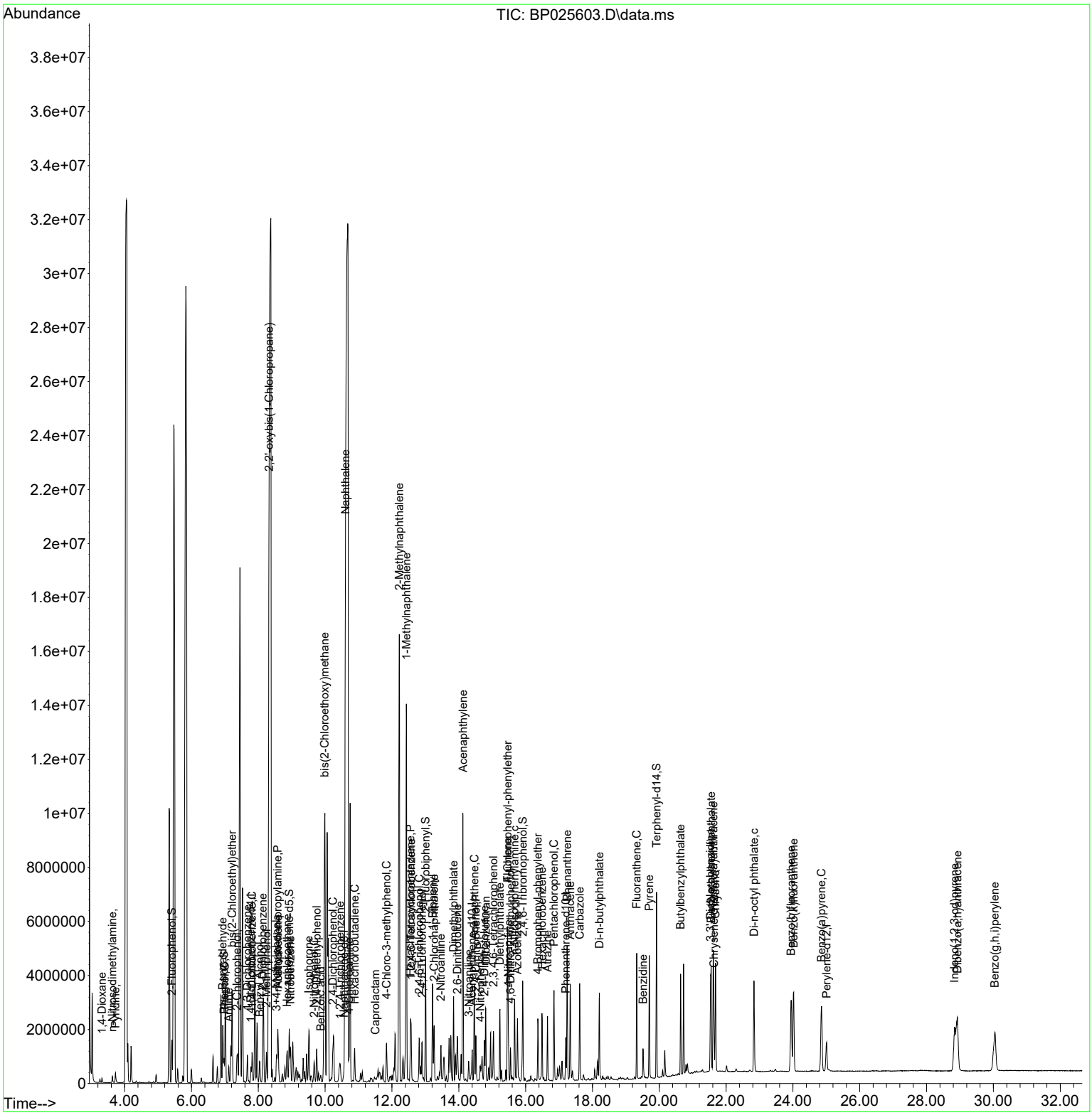
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082725\
Data File : BP025603.D
Acq On : 27 Aug 2025 15:00
Operator : CG/JU
Sample : Q2924-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 27 15:23:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MW-201-082025MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/28/2025
Supervised By :Jagrut Upadhyay 08/28/2025



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

Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP025393.D	Acenaphthene	Rahul	8/15/2025 9:34:57 AM	Jagrut	8/15/2025 12:49:22 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Acenaphthene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzaldehyde	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Benzoic acid	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC010	BP025394.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:54 AM	Jagrut	8/15/2025 12:49:24 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Acenaphthene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Benzoic acid	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICC020	BP025395.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:49 AM	Jagrut	8/15/2025 12:49:27 PM	Peak Integrated by Software
SSTDICCC040	BP025396.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:47 AM	Jagrut	8/15/2025 12:49:30 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Benzo(g,h,i)perylene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC050	BP025397.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:43 AM	Jagrut	8/15/2025 12:49:33 PM	Peak Integrated by Software
SSTDICC080	BP025399.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:40 AM	Jagrut	8/15/2025 12:49:36 PM	Peak Integrated by Software
SSTDICV040	BP025400.D	Acenaphthene	Rahul	8/15/2025 9:34:38 AM	Jagrut	8/15/2025 12:49:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025403.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:33 AM	Jagrut	8/15/2025 12:49:44 PM	Peak Integrated by Software
SSTDCCC040	BP025405.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 9:34:31 AM	Jagrut	8/15/2025 12:49:46 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Acenaphthene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software
SSTDCCC040	BP025420.D	Indeno(1,2,3-cd)pyrene	Rahul	8/15/2025 12:47:42 PM	Jagrut	8/15/2025 12:48:50 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP082225	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP025544.D	Indeno(1,2,3-cd)pyrene	rahul	8/25/2025 10:22:13 AM	Jagrut	8/25/2025 7:03:59 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP082525	Instrument	BNA_p

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

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Manual Integration Report

Sequence:	bp082625	Instrument	BNA_p

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:	BP082725	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2924-03MS	BP025602.D	2,3,4,6-Tetrachlorophenol	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-03MS	BP025602.D	4-Chloroaniline	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-03MS	BP025602.D	Indeno(1,2,3-cd)pyrene	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-03MS	BP025602.D	Naphthalene	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-03MS	BP025602.D	Naphthalene-d8	Rahul	8/28/2025 8:28:48 AM	Jagrut	8/28/2025 1:39:19 PM	Peak Integrated by Software
Q2924-04MSD	BP025603.D	4-Chloroaniline	Rahul	8/28/2025 8:28:51 AM	Jagrut	8/28/2025 1:39:22 PM	Peak Integrated by Software
Q2924-04MSD	BP025603.D	Naphthalene	Rahul	8/28/2025 8:28:51 AM	Jagrut	8/28/2025 1:39:22 PM	Peak Integrated by Software
Q2924-04MSD	BP025603.D	Naphthalene-d8	Rahul	8/28/2025 8:28:51 AM	Jagrut	8/28/2025 1:39:22 PM	Peak Integrated by Software

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025390.D	14 Aug 2025 10:30	CG/JU	Ok
2	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	CG/JU	Not Ok
3	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33	CG/JU	Ok
4	SSTDICC005	BP025393.D	14 Aug 2025 13:15	CG/JU	Ok,M
5	SSTDICC010	BP025394.D	14 Aug 2025 13:56	CG/JU	Ok,M
6	SSTDICC020	BP025395.D	14 Aug 2025 14:38	CG/JU	Ok,M
7	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	CG/JU	Ok,M
8	SSTDICC050	BP025397.D	14 Aug 2025 16:01	CG/JU	Ok,M
9	SSTDICC060	BP025398.D	14 Aug 2025 16:42	CG/JU	Ok
10	SSTDICC080	BP025399.D	14 Aug 2025 17:24	CG/JU	Ok,M
11	SSTDICV040	BP025400.D	14 Aug 2025 18:05	CG/JU	Ok,M
12	PB169200TB	BP025401.D	14 Aug 2025 19:28	CG/JU	Ok
13	PB169210BS	BP025402.D	14 Aug 2025 20:10	CG/JU	Ok,M
14	SSTDCCC040	BP025403.D	14 Aug 2025 20:51	CG/JU	Ok,M
15	DFTPP	BP025404.D	14 Aug 2025 22:14	CG/JU	Ok
16	SSTDCCC040	BP025405.D	14 Aug 2025 22:56	CG/JU	Ok,M
17	PB169228BL	BP025406.D	14 Aug 2025 23:37	CG/JU	Ok
18	PB169228BS	BP025407.D	15 Aug 2025 00:18	CG/JU	Ok,M
19	Q2820-10	BP025408.D	15 Aug 2025 01:00	CG/JU	Ok
20	Q2820-11	BP025409.D	15 Aug 2025 01:41	CG/JU	Ok
21	Q2820-21	BP025410.D	15 Aug 2025 02:22	CG/JU	ReRun

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2820-22	BP025411.D	15 Aug 2025 03:03	CG/JU	ReRun
23	Q2820-14	BP025412.D	15 Aug 2025 03:45	CG/JU	Ok
24	Q2820-16	BP025413.D	15 Aug 2025 04:26	CG/JU	Ok
25	Q2820-17	BP025414.D	15 Aug 2025 05:07	CG/JU	Ok
26	Q2820-17MS	BP025415.D	15 Aug 2025 05:48	CG/JU	Ok,M
27	Q2820-17MSD	BP025416.D	15 Aug 2025 06:29	CG/JU	Ok,M
28	Q2820-18	BP025417.D	15 Aug 2025 07:10	CG/JU	Ok
29	Q2820-19	BP025418.D	15 Aug 2025 07:51	CG/JU	ReRun
30	Q2820-20	BP025419.D	15 Aug 2025 08:32	CG/JU	ReRun
31	SSTDCCC040	BP025420.D	15 Aug 2025 09:13	CG/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082225

Review By	rahul	Review On	8/25/2025 10:24:30 AM		
Supervise By	Jagrut	Supervise On	8/25/2025 7:04:22 PM		
SubDirectory	BP082225	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025543.D	22 Aug 2025 10:08	CG/JU	Ok
2	SSTDCCC040	BP025544.D	22 Aug 2025 10:49	CG/JU	Ok,M
3	PB169346BL	BP025545.D	22 Aug 2025 12:06	CG/JU	Ok
4	PB169346BS	BP025546.D	22 Aug 2025 12:47	CG/JU	Ok
5	Q2832-01	BP025547.D	22 Aug 2025 13:32	CG/JU	Ok,M
6	Q2832-03	BP025548.D	22 Aug 2025 14:13	CG/JU	Ok,M
7	Q2903-11	BP025549.D	22 Aug 2025 14:54	CG/JU	Ok
8	Q2916-01	BP025550.D	22 Aug 2025 15:35	CG/JU	Ok
9	Q2936-04	BP025551.D	22 Aug 2025 16:17	CG/JU	Ok
10	Q2924-10	BP025552.D	22 Aug 2025 16:58	CG/JU	Ok
11	Q2934-01	BP025553.D	22 Aug 2025 17:39	CG/JU	Ok
12	Q2934-02	BP025554.D	22 Aug 2025 18:20	CG/JU	Ok
13	Q2934-03	BP025555.D	22 Aug 2025 19:02	CG/JU	Ok
14	Q2934-04	BP025556.D	22 Aug 2025 19:43	CG/JU	Ok
15	Q2917-01	BP025557.D	22 Aug 2025 20:24	CG/JU	Ok,M
16	Q2919-01	BP025558.D	22 Aug 2025 21:05	CG/JU	Ok,M
17	Q2909-01	BP025559.D	22 Aug 2025 21:46	CG/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082525

Review By	Rahul	Review On	8/26/2025 10:26:59 AM		
Supervise By	Jagrut	Supervise On	8/26/2025 12:54:30 PM		
SubDirectory	BP082525	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13173,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025560.D	25 Aug 2025 10:24	CG/JU	Ok
2	SSTDCCC040	BP025561.D	25 Aug 2025 12:13	CG/JU	Ok
3	PB169362BL	BP025562.D	25 Aug 2025 12:54	CG/JU	Ok
4	SP6865	BP025563.D	25 Aug 2025 13:36	CG/JU	Ok
5	Q2933-04	BP025564.D	25 Aug 2025 14:21	CG/JU	Ok
6	Q2933-04MS	BP025565.D	25 Aug 2025 15:02	CG/JU	Ok
7	Q2933-04MSD	BP025566.D	25 Aug 2025 15:43	CG/JU	Ok
8	Q2932-05	BP025567.D	25 Aug 2025 16:25	CG/JU	Ok
9	Q2933-02	BP025568.D	25 Aug 2025 17:06	CG/JU	Ok
10	Q2909-02	BP025569.D	25 Aug 2025 17:48	CG/JU	Ok,M
11	Q2909-02MS	BP025570.D	25 Aug 2025 18:29	CG/JU	Ok,M
12	Q2909-02MSD	BP025571.D	25 Aug 2025 19:11	CG/JU	Ok,M
13	Q2932-01	BP025572.D	25 Aug 2025 19:52	CG/JU	Ok
14	Q2949-01	BP025573.D	25 Aug 2025 20:33	CG/JU	Ok
15	Q2941-01	BP025574.D	25 Aug 2025 21:14	CG/JU	Ok,M
16	Q2947-01	BP025575.D	25 Aug 2025 21:55	CG/JU	Ok,M
17	Q2932-03	BP025576.D	25 Aug 2025 22:37	CG/JU	Not Ok
18	Q2947-03	BP025577.D	25 Aug 2025 23:18	CG/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082625

Review By	Rahul	Review On	8/27/2025 9:27:24 AM		
Supervise By	Jagrut	Supervise On	8/27/2025 11:38:38 AM		
SubDirectory	BP082625	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13173,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025578.D	26 Aug 2025 08:59	CG/JU	Ok
2	SSTDCCC040	BP025579.D	26 Aug 2025 10:21	CG/JU	Ok
3	PB169325TB	BP025580.D	26 Aug 2025 11:02	CG/JU	Ok
4	PB169362BS	BP025581.D	26 Aug 2025 11:44	CG/JU	Ok
5	Q2941-02	BP025582.D	26 Aug 2025 12:29	CG/JU	Ok
6	Q2924-05DL	BP025583.D	26 Aug 2025 13:10	CG/JU	Dilution
7	Q2932-03	BP025584.D	26 Aug 2025 13:51	CG/JU	Ok,M
8	Q2926-01	BP025585.D	26 Aug 2025 14:33	CG/JU	Ok
9	Q2924-05DL2	BP025586.D	26 Aug 2025 15:14	CG/JU	Ok
10	Q2940-01	BP025587.D	26 Aug 2025 15:55	CG/JU	Ok
11	Q2924-08	BP025588.D	26 Aug 2025 16:37	CG/JU	Ok
12	Q2924-09	BP025589.D	26 Aug 2025 17:18	CG/JU	Ok
13	Q2924-06	BP025590.D	26 Aug 2025 17:59	CG/JU	Ok
14	Q2936-02	BP025591.D	26 Aug 2025 18:41	CG/JU	Dilution
15	Q2947-03	BP025592.D	26 Aug 2025 19:22	CG/JU	Ok,M
16	Q2892-02	BP025593.D	26 Aug 2025 20:03	CG/JU	Ok
17	Q2928-01	BP025594.D	26 Aug 2025 20:44	CG/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082725

Review By	Rahul	Review On	8/28/2025 8:32:26 AM		
Supervise By	Jagrut	Supervise On	8/28/2025 1:40:30 PM		
SubDirectory	BP082725	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13173,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP025595.D	27 Aug 2025 08:58	CG/JU	Ok
2	SSTDCCC040	BP025596.D	27 Aug 2025 09:39	CG/JU	Ok
3	PB169370BL	BP025597.D	27 Aug 2025 10:20	CG/JU	Ok
4	PB169370BS	BP025598.D	27 Aug 2025 11:01	CG/JU	Ok
5	PB169382BL	BP025599.D	27 Aug 2025 11:42	CG/JU	Ok
6	PB169382BS	BP025600.D	27 Aug 2025 12:23	CG/JU	Ok
7	Q2924-02	BP025601.D	27 Aug 2025 13:37	CG/JU	Dilution
8	Q2924-03MS	BP025602.D	27 Aug 2025 14:18	CG/JU	Ok,M
9	Q2924-04MSD	BP025603.D	27 Aug 2025 15:00	CG/JU	Ok,M
10	Q2936-02DL	BP025604.D	27 Aug 2025 15:41	CG/JU	Dilution
11	Q2936-02DL2	BP025605.D	27 Aug 2025 16:22	CG/JU	Ok
12	Q2921-01	BP025606.D	27 Aug 2025 17:03	CG/JU	Ok
13	Q2924-02DL	BP025607.D	27 Aug 2025 17:44	CG/JU	Dilution
14	Q2924-02DL2	BP025608.D	27 Aug 2025 18:26	CG/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025390.D	14 Aug 2025 10:30		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025391.D	14 Aug 2025 11:52	A Fresh Calibration is required.	CG/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BP025392.D	14 Aug 2025 12:33		CG/JU	Ok
4	SSTDICC005	SSTDICC005	BP025393.D	14 Aug 2025 13:15		CG/JU	Ok,M
5	SSTDICC010	SSTDICC010	BP025394.D	14 Aug 2025 13:56		CG/JU	Ok,M
6	SSTDICC020	SSTDICC020	BP025395.D	14 Aug 2025 14:38		CG/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BP025396.D	14 Aug 2025 15:19	Benzidine failed in the Calibration Method.	CG/JU	Ok,M
8	SSTDICC050	SSTDICC050	BP025397.D	14 Aug 2025 16:01		CG/JU	Ok,M
9	SSTDICC060	SSTDICC060	BP025398.D	14 Aug 2025 16:42		CG/JU	Ok
10	SSTDICC080	SSTDICC080	BP025399.D	14 Aug 2025 17:24		CG/JU	Ok,M
11	SSTDICV040	ICVBP081425	BP025400.D	14 Aug 2025 18:05		CG/JU	Ok,M
12	PB169200TB	PB169200TB	BP025401.D	14 Aug 2025 19:28		CG/JU	Ok
13	PB169210BS	PB169210BS	BP025402.D	14 Aug 2025 20:10		CG/JU	Ok,M
14	SSTDCCC040	SSTDCCC040EC	BP025403.D	14 Aug 2025 20:51		CG/JU	Ok,M
15	DFTPP	DFTPP	BP025404.D	14 Aug 2025 22:14		CG/JU	Ok
16	SSTDCCC040	SSTDCCC040	BP025405.D	14 Aug 2025 22:56		CG/JU	Ok,M
17	PB169228BL	PB169228BL	BP025406.D	14 Aug 2025 23:37		CG/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081425

Review By	Rahul	Review On	8/15/2025 9:35:16 AM		
Supervise By	Jagrut	Supervise On	8/15/2025 3:48:12 PM		
SubDirectory	BP081425	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13170,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB169228BS	PB169228BS	BP025407.D	15 Aug 2025 00:18		CG/JU	Ok,M
19	Q2820-10	SOIL-DUP-2	BP025408.D	15 Aug 2025 01:00		CG/JU	Ok
20	Q2820-11	10PC-W	BP025409.D	15 Aug 2025 01:41		CG/JU	Ok
21	Q2820-21	22M-N	BP025410.D	15 Aug 2025 02:22	Surrogate Fail	CG/JU	ReRun
22	Q2820-22	22M-W	BP025411.D	15 Aug 2025 03:03	Surrogate Fail	CG/JU	ReRun
23	Q2820-14	10P-E	BP025412.D	15 Aug 2025 03:45		CG/JU	Ok
24	Q2820-16	10P-N	BP025413.D	15 Aug 2025 04:26		CG/JU	Ok
25	Q2820-17	88H-E	BP025414.D	15 Aug 2025 05:07		CG/JU	Ok
26	Q2820-17MS	88H-EMS	BP025415.D	15 Aug 2025 05:48		CG/JU	Ok,M
27	Q2820-17MSD	88H-EMSD	BP025416.D	15 Aug 2025 06:29		CG/JU	Ok,M
28	Q2820-18	88H-N	BP025417.D	15 Aug 2025 07:10		CG/JU	Ok
29	Q2820-19	88H-W	BP025418.D	15 Aug 2025 07:51	Surrogate fail	CG/JU	ReRun
30	Q2820-20	88H-S	BP025419.D	15 Aug 2025 08:32	Surrogate Fail	CG/JU	ReRun
31	SSTDCCC040	SSTDCCC040EC	BP025420.D	15 Aug 2025 09:13		CG/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082225

Review By	rahul	Review On	8/25/2025 10:24:30 AM		
Supervise By	Jagrut	Supervise On	8/25/2025 7:04:22 PM		
SubDirectory	BP082225	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13171,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025543.D	22 Aug 2025 10:08		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025544.D	22 Aug 2025 10:49		CG/JU	Ok,M
3	PB169346BL	PB169346BL	BP025545.D	22 Aug 2025 12:06		CG/JU	Ok
4	PB169346BS	PB169346BS	BP025546.D	22 Aug 2025 12:47		CG/JU	Ok
5	Q2832-01	TG-S01	BP025547.D	22 Aug 2025 13:32		CG/JU	Ok,M
6	Q2832-03	TG-S02	BP025548.D	22 Aug 2025 14:13		CG/JU	Ok,M
7	Q2903-11	MW-18A-081925	BP025549.D	22 Aug 2025 14:54		CG/JU	Ok
8	Q2916-01	EO-03-08202025	BP025550.D	22 Aug 2025 15:35		CG/JU	Ok
9	Q2936-04	FB-02-082125	BP025551.D	22 Aug 2025 16:17		CG/JU	Ok
10	Q2924-10	MW-8A-082025	BP025552.D	22 Aug 2025 16:58		CG/JU	Ok
11	Q2934-01	ENV-SW01	BP025553.D	22 Aug 2025 17:39		CG/JU	Ok
12	Q2934-02	ENV-SW02	BP025554.D	22 Aug 2025 18:20		CG/JU	Ok
13	Q2934-03	ENV-SW03	BP025555.D	22 Aug 2025 19:02		CG/JU	Ok
14	Q2934-04	ENV-SW04	BP025556.D	22 Aug 2025 19:43		CG/JU	Ok
15	Q2917-01	OR-02-082025	BP025557.D	22 Aug 2025 20:24		CG/JU	Ok,M
16	Q2919-01	OK-02-08202025	BP025558.D	22 Aug 2025 21:05		CG/JU	Ok,M
17	Q2909-01	4065	BP025559.D	22 Aug 2025 21:46		CG/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082525

Review By	Rahul	Review On	8/26/2025 10:26:59 AM		
Supervise By	Jagrut	Supervise On	8/26/2025 12:54:30 PM		
SubDirectory	BP082525	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13173,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025560.D	25 Aug 2025 10:24		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025561.D	25 Aug 2025 12:13		CG/JU	Ok
3	PB169362BL	PB169362BL	BP025562.D	25 Aug 2025 12:54		CG/JU	Ok
4	SP6865	SP6865	BP025563.D	25 Aug 2025 13:36		CG/JU	Ok
5	Q2933-04	29-SEPTIC	BP025564.D	25 Aug 2025 14:21		CG/JU	Ok
6	Q2933-04MS	29-SEPTICMS	BP025565.D	25 Aug 2025 15:02		CG/JU	Ok
7	Q2933-04MSD	29-SEPTICMSD	BP025566.D	25 Aug 2025 15:43		CG/JU	Ok
8	Q2932-05	ARS20-0002-CONCRE	BP025567.D	25 Aug 2025 16:25		CG/JU	Ok
9	Q2933-02	25-SEPTIC	BP025568.D	25 Aug 2025 17:06		CG/JU	Ok
10	Q2909-02	4065	BP025569.D	25 Aug 2025 17:48	Internal Standard Fail	CG/JU	Ok,M
11	Q2909-02MS	4065MS	BP025570.D	25 Aug 2025 18:29	Internal Standard Fail	CG/JU	Ok,M
12	Q2909-02MSD	4065MSD	BP025571.D	25 Aug 2025 19:11	Internal standard fail	CG/JU	Ok,M
13	Q2932-01	ARS20-0009	BP025572.D	25 Aug 2025 19:52		CG/JU	Ok
14	Q2949-01	367	BP025573.D	25 Aug 2025 20:33		CG/JU	Ok
15	Q2941-01	SOIL-COMP(1-2)	BP025574.D	25 Aug 2025 21:14		CG/JU	Ok,M
16	Q2947-01	291	BP025575.D	25 Aug 2025 21:55		CG/JU	Ok,M
17	Q2932-03	ARS20-0002-SOIL	BP025576.D	25 Aug 2025 22:37	Out of tune time	CG/JU	Not Ok
18	Q2947-03	235	BP025577.D	25 Aug 2025 23:18	Out of tune time	CG/JU	Not Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082525

Review By	Rahul	Review On	8/26/2025 10:26:59 AM		
Supervise By	Jagrut	Supervise On	8/26/2025 12:54:30 PM		
SubDirectory	BP082525	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13173,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082625

Review By	Rahul	Review On	8/27/2025 9:27:24 AM		
Supervise By	Jagrut	Supervise On	8/27/2025 11:38:38 AM		
SubDirectory	BP082625	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13173,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025578.D	26 Aug 2025 08:59		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025579.D	26 Aug 2025 10:21		CG/JU	Ok
3	PB169325TB	PB169325TB	BP025580.D	26 Aug 2025 11:02		CG/JU	Ok
4	PB169362BS	PB169362BS	BP025581.D	26 Aug 2025 11:44		CG/JU	Ok
5	Q2941-02	SOIL-COMP(1-2)	BP025582.D	26 Aug 2025 12:29		CG/JU	Ok
6	Q2924-05DL	MW-2B-082025DL	BP025583.D	26 Aug 2025 13:10	Need 2X further Dilution	CG/JU	Dilution
7	Q2932-03	ARS20-0002-SOIL	BP025584.D	26 Aug 2025 13:51	Internal Standard Fail	CG/JU	Ok,M
8	Q2926-01	TR-04-08212025	BP025585.D	26 Aug 2025 14:33		CG/JU	Ok
9	Q2924-05DL2	MW-2B-082025DL2	BP025586.D	26 Aug 2025 15:14		CG/JU	Ok
10	Q2940-01	COMP(1-6)	BP025587.D	26 Aug 2025 15:55		CG/JU	Ok
11	Q2924-08	MW-16A-082025	BP025588.D	26 Aug 2025 16:37		CG/JU	Ok
12	Q2924-09	MW-16C-082025	BP025589.D	26 Aug 2025 17:18		CG/JU	Ok
13	Q2924-06	MW-2A-082025	BP025590.D	26 Aug 2025 17:59		CG/JU	Ok
14	Q2936-02	MW-19B-082125	BP025591.D	26 Aug 2025 18:41	Need 20X Dilution, Then decide further dilution.	CG/JU	Dilution
15	Q2947-03	235	BP025592.D	26 Aug 2025 19:22		CG/JU	Ok,M
16	Q2892-02	1-FLOOR-NORTH-EAS	BP025593.D	26 Aug 2025 20:03		CG/JU	Ok
17	Q2928-01	27-BELL	BP025594.D	26 Aug 2025 20:44		CG/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082725

Review By	Rahul	Review On	8/28/2025 8:32:26 AM		
Supervise By	Jagrut	Supervise On	8/28/2025 1:40:30 PM		
SubDirectory	BP082725	HP Acquire Method	BNA_P	HP Processing Method	bp081425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13173,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP025595.D	27 Aug 2025 08:58		CG/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP025596.D	27 Aug 2025 09:39		CG/JU	Ok
3	PB169370BL	PB169370BL	BP025597.D	27 Aug 2025 10:20		CG/JU	Ok
4	PB169370BS	PB169370BS	BP025598.D	27 Aug 2025 11:01		CG/JU	Ok
5	PB169382BL	PB169382BL	BP025599.D	27 Aug 2025 11:42		CG/JU	Ok
6	PB169382BS	PB169382BS	BP025600.D	27 Aug 2025 12:23		CG/JU	Ok
7	Q2924-02	MW-201-082025	BP025601.D	27 Aug 2025 13:37	Need 20X dilution then decide further dilution	CG/JU	Dilution
8	Q2924-03MS	MW-201-082025MS	BP025602.D	27 Aug 2025 14:18		CG/JU	Ok,M
9	Q2924-04MSD	MW-201-082025MSD	BP025603.D	27 Aug 2025 15:00		CG/JU	Ok,M
10	Q2936-02DL	MW-19B-082125DL	BP025604.D	27 Aug 2025 15:41	Need further 5X dilution	CG/JU	Dilution
11	Q2936-02DL2	MW-19B-082125DL2	BP025605.D	27 Aug 2025 16:22		CG/JU	Ok
12	Q2921-01	MW1	BP025606.D	27 Aug 2025 17:03		CG/JU	Ok
13	Q2924-02DL	MW-201-082025DL	BP025607.D	27 Aug 2025 17:44	Need further 10X dilution	CG/JU	Dilution
14	Q2924-02DL2	MW-201-082025DL2	BP025608.D	27 Aug 2025 18:26		CG/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169362

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3953

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 08/22/2025

Extraction Start Time : 10:34

Extraction End Date : 08/22/2025

Extraction End Time : 15:45

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	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
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
Methylene Chloride	N/A	E3964
Baked Na2SO4	N/A	EP2632
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH, 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/22/25	RS (Ext-Lab)	RC/SVOC
15:50	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169362

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 08/22/2025

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169362BL	SBLK362	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB169362BS	SLCS362	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
Q2921-01	MW1	SVOCMS Group1	950	6	RUPESH	ritesh	1	C		3
Q2924-01	MW-10C-082025	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		4
Q2924-02	MW-201-082025	SVOC-TCL BNA -20	950	6	RUPESH	ritesh	1	C		5
Q2924-03	Q2924-02MS	SVOC-TCL BNA -20	970	6	RUPESH	ritesh	1	C		6
Q2924-04	Q2924-02MSD	SVOC-TCL BNA -20	950	6	RUPESH	ritesh	1	C		7
Q2924-05	MW-2B-082025	SVOC-TCL BNA -20	960	6	RUPESH	ritesh	1	C		8
Q2924-06	MW-2A-082025	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	C		9
Q2924-07	MW-18C-082025	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	C		10
Q2924-08	MW-16A-082025	SVOC-TCL BNA -20	910	6	RUPESH	ritesh	1	C		11
Q2924-09	MW-16C-082025	SVOC-TCL BNA -20	940	6	RUPESH	ritesh	1	C		12
Q2924-10	MW-8A-082025	SVOC-TCL BNA -20	930	6	RUPESH	ritesh	1	C		13
Q2924-11	FB-01-082025	SVOC-TCL BNA -20	960	6	RUPESH	ritesh	1	C		14
Q2934-01	ENV-SW01	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	F		15
Q2934-02	ENV-SW02	SVOC-TCL BNA -20	990	6	RUPESH	ritesh	1	F		16
Q2934-03	ENV-SW03	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	F		SEP-1
Q2934-04	ENV-SW04	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	F		2
Q2936-01	MW-19A-082125	SVOC-TCL BNA -20	850	6	RUPESH	ritesh	1	C		3
Q2936-02	MW-19B-082125	SVOC-TCL BNA -20	900	6	RUPESH	ritesh	1	C		4
Q2936-03	MW-19C-082125	SVOC-TCL BNA -20	940	6	RUPESH	ritesh	1	C		5
Q2936-04	FB-02-082125	SVOC-TCL BNA -20	950	6	RUPESH	ritesh	1	C		6

RS 8/22

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

Q2934 9362 10:34

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2924 **WorkList ID :** 191429 **Department :** Extraction **Date :** 08-22-2025 10:22:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2921-01	MW1	Water	SVOCMS Group1	Cool 4 deg C	GENV01	D11	08/20/2025	8270E
Q2924-01	MW-10C-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-02	MW-201-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-03	Q2924-02MS	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-04	Q2924-02MSD	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-05	MW-2B-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-06	MW-2A-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-07	MW-18C-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-08	MW-16A-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-09	MW-16C-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-10	MW-8A-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2924-11	FB-01-082025	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	J23	08/20/2025	8270E
Q2934-01	ENV-SW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	D41	08/21/2025	8270E
Q2934-02	ENV-SW02	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	D41	08/21/2025	8270E
Q2934-03	ENV-SW03	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	D41	08/21/2025	8270E
Q2934-04	ENV-SW04	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	D41	08/21/2025	8270E
Q2936-01	MW-19A-082125	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	08/21/2025	8270E
Q2936-02	MW-19B-082125	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	08/21/2025	8270E
Q2936-03	MW-19C-082125	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	08/21/2025	8270E
Q2936-04	FB-02-082125	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	08/21/2025	8270E

Date/Time 8/22/25 10:30
Raw Sample Received by: RS (EXL (acb)
Raw Sample Relinquished by:

Date/Time 8/22/25 11:15
Raw Sample Received by:
Raw Sample Relinquished by: RS (EXL (acb)

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

LAB CHRONICLE

OrderID:	Q2934	**OrderDate:**	8/21/2025 2:34:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2934-01	**ENV-SW01**	**Water**			**08/21/25**			**08/21/25**
			SVOC-TCL BNA -20	8270E		08/22/25	08/22/25	
Q2934-02	**ENV-SW02**	**Water**			**08/21/25**			**08/21/25**
			SVOC-TCL BNA -20	8270E		08/22/25	08/22/25	
Q2934-03	**ENV-SW03**	**Water**			**08/21/25**			**08/21/25**
			SVOC-TCL BNA -20	8270E		08/22/25	08/22/25	
Q2934-04	**ENV-SW04**	**Water**			**08/21/25**			**08/21/25**
			SVOC-TCL BNA -20	8270E		08/22/25	08/22/25	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2934 **Order ID:** Q2934

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	WATER
Analytical Method:	8082A	% 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 :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO113206.D	1	08/22/25 10:20	08/23/25 01:06	PB169361

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11.1		30 (30) - 150 (173)	56%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.90		30 (10) - 150 (173)	40%	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:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	990 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO113207.D	1	08/22/25 10:20	08/23/25 01:25	PB169361

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.098	U	0.098	0.51	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.51	ug/L
11141-16-5	Aroclor-1232	0.097	U	0.097	0.51	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.51	ug/L
12672-29-6	Aroclor-1248	0.072	U	0.072	0.51	ug/L
11097-69-1	Aroclor-1254	0.095	U	0.095	0.51	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.51	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.51	ug/L
11096-82-5	Aroclor-1260	0.082	U	0.082	0.51	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11.0		30 (30) - 150 (173)	55%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.93		30 (10) - 150 (173)	45%	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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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	WATER
Analytical Method:	8082A	% 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 :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074615.D	1	08/22/25 10:20	08/23/25 03:32	PB169361

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	12.1		30 (30) - 150 (173)	60%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.91		30 (10) - 150 (173)	50%	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	WATER
Analytical Method:	8082A	% 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 :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074616.D	1	08/22/25 10:20	08/23/25 03:48	PB169361

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	7.95		30 (30) - 150 (173)	40%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.04		30 (10) - 150 (173)	35%	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

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

SDG No.: Q2934

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO113002.D	PIBLK-PO113002.D	Tetrachloro-m-xyl	1	20	16.6	83		70 (60)	130 (140)
		Decachlorobiphen	1	20	17.2	86		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	16.9	84		70 (60)	130 (140)
		Decachlorobiphen	2	20	18.1	91		70 (60)	130 (140)
I.BLK-PO113197.D	PIBLK-PO113197.D	Tetrachloro-m-xyl	1	20	17.8	89		70 (60)	130 (140)
		Decachlorobiphen	1	20	16.3	82		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	17.3	86		70 (60)	130 (140)
		Decachlorobiphen	2	20	18.2	91		70 (60)	130 (140)
Q2934-01	ENV-SW01	Tetrachloro-m-xyl	1	20	11.1	56		30 (30)	150 (173)
		Decachlorobiphen	1	20	7.65	38		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	11.1	56		30 (30)	150 (173)
		Decachlorobiphen	2	20	7.90	40		30 (10)	150 (173)
Q2934-02	ENV-SW02	Tetrachloro-m-xyl	1	20	11.0	55		30 (30)	150 (173)
		Decachlorobiphen	1	20	8.53	43		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	10.8	54		30 (30)	150 (173)
		Decachlorobiphen	2	20	8.93	45		30 (10)	150 (173)
I.BLK-PO113212.D	PIBLK-PO113212.D	Tetrachloro-m-xyl	1	20	17.7	88		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.2	91		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	17.2	86		70 (60)	130 (140)
		Decachlorobiphen	2	20	17.6	88		70 (60)	130 (140)
I.BLK-PP074490.D	PIBLK-PP074490.D	Tetrachloro-m-xyl	1	20	17.8	89		70 (60)	130 (140)
		Decachlorobiphen	1	20	18.2	91		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	15.7	78		70 (60)	130 (140)
		Decachlorobiphen	2	20	16.9	85		70 (60)	130 (140)
I.BLK-PP074611.D	PIBLK-PP074611.D	Tetrachloro-m-xyl	1	20	18.1	90		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.0	95		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	15.2	76		70 (60)	130 (140)
		Decachlorobiphen	2	20	13.8	69	*	70 (60)	130 (140)
PB169361BL	PB169361BL	Tetrachloro-m-xyl	1	20	22.1	110		30 (30)	150 (173)
		Decachlorobiphen	1	20	23.4	117		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	19.8	99		30 (30)	150 (173)
		Decachlorobiphen	2	20	17.1	86		30 (10)	150 (173)
PB169361BS	PB169361BS	Tetrachloro-m-xyl	1	20	22.7	114		30 (30)	150 (173)
		Decachlorobiphen	1	20	23.5	118		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	20.2	101		30 (30)	150 (173)
		Decachlorobiphen	2	20	17.2	86		30 (10)	150 (173)
PB169361BSD	PB169361BSD	Tetrachloro-m-xyl	1	20	22.4	112		30 (30)	150 (173)
		Decachlorobiphen	1	20	23.2	116		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	20.0	100		30 (30)	150 (173)
		Decachlorobiphen	2	20	17.0	85		30 (10)	150 (173)
Q2934-03	ENV-SW03	Tetrachloro-m-xyl	1	20	12.1	60		30 (30)	150 (173)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: Q2934

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q2934-03	ENV-SW03	Decachlorobiphen	1	20	9.91	50		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	9.78	49		30 (30)	150 (173)
		Decachlorobiphen	2	20	6.69	33		30 (10)	150 (173)
Q2934-04	ENV-SW04	Tetrachloro-m-xyl	1	20	7.95	40		30 (30)	150 (173)
		Decachlorobiphen	1	20	7.04	35		30 (10)	150 (173)
		Tetrachloro-m-xyl	2	20	5.94	30		30 (30)	150 (173)
		Decachlorobiphen	2	20	4.77	24	*	30 (10)	150 (173)
I.BLK-PP074623.D	PIBLK-PP074623.D	Tetrachloro-m-xyl	1	20	18.7	94		70 (60)	130 (140)
		Decachlorobiphen	1	20	19.6	98		70 (60)	130 (140)
		Tetrachloro-m-xyl	2	20	15.3	77		70 (60)	130 (140)
		Decachlorobiphen	2	20	14.2	71		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2934 **Analytical Method:** 8082A

Client: Portal Partners Tri-Venture **Datafile :** PP074613.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169361BS (Column 1)	AR1016	5	4.50	ug/L	90				40 (77)	140 (107)	
	AR1260	5	4.30	ug/L	86				40 (66)	140 (113)	
PB169361BS (Column 2)	AR1016	5	3.90	ug/L	78				40 (77)	140 (107)	
	AR1260	5	3.70	ug/L	74				40 (66)	140 (113)	

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2934 **Analytical Method:** 8082A

Client: Portal Partners Tri-Venture **Datafile :** PP074614.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169361BSD (Column 1)	AR1016	5	4.50	ug/L	90	0			40 (77)	140 (107)	20 (20)
	AR1260	5	4.60	ug/L	92	7			40 (66)	140 (113)	20 (20)
PB169361BSD (Column 2)	AR1016	5	4.00	ug/L	80	3			40 (77)	140 (107)	20 (20)
	AR1260	5	4.30	ug/L	86	15			40 (66)	140 (113)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169361BL

Lab Name: Alliance | Contract: PORT06

Lab Code: ACE | SDG NO.: Q2934

Lab Sample ID: PB169361BL | Lab File ID: PP074612.D

Matrix: (soil/water) WATER | Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N | Date Extracted: 08/22/2025

Date Analyzed (1): 08/23/2025 | Date Analyzed (2): 08/23/2025

Time Analyzed (1): 02:43 | Time Analyzed (2): 02:43

Instrument ID (1): ECD_P | Instrument ID (2): ECD_P

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
ENV-SW01	Q2934-01	PO113206.D	08/23/2025	08/23/2025
ENV-SW02	Q2934-02	PO113207.D	08/23/2025	08/23/2025
PB169361BS	PB169361BS	PP074613.D	08/23/2025	08/23/2025
PB169361BSD	PB169361BSD	PP074614.D	08/23/2025	08/23/2025
ENV-SW03	Q2934-03	PP074615.D	08/23/2025	08/23/2025
ENV-SW04	Q2934-04	PP074616.D	08/23/2025	08/23/2025

COMMENTS:

QC SAMPLE DATA

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169361BL	SDG No.:	Q2934
Lab Sample ID:	PB169361BL	Matrix:	WATER
Analytical Method:	8082A	% 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 :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074612.D	1	08/22/25 10:20	08/23/25 02:43	PB169361

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.1		30 (30) - 150 (173)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		30 (10) - 150 (173)	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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/18/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/18/25
Client Sample ID:	PIBLK-PO113002.D	SDG No.:	Q2934
Lab Sample ID:	I.BLK-PO113002.D	Matrix:	WATER
Analytical Method:	8082A	% 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
PO113002.D	1		08/18/25	PO081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.6		70 (60) - 130 (140)	83%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		70 (60) - 130 (140)	86%	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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/22/25
Client Sample ID:	PIBLK-PO113197.D	SDG No.:	Q2934
Lab Sample ID:	I.BLK-PO113197.D	Matrix:	WATER
Analytical Method:	8082A	% 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
PO113197.D	1		08/22/25	PO082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.3		70 (60) - 130 (140)	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		70 (60) - 130 (140)	82%	SPK: 20

Comments:

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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:	Portal Partners Tri-Venture	Date Collected:	08/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/23/25
Client Sample ID:	PIBLK-PO113212.D	SDG No.:	Q2934
Lab Sample ID:	I.BLK-PO113212.D	Matrix:	WATER
Analytical Method:	8082A	% 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
PO113212.D	1		08/23/25	PO082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.2		70 (60) - 130 (140)	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		70 (60) - 130 (140)	88%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
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:	Portal Partners Tri-Venture	Date Collected:	08/19/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/19/25
Client Sample ID:	PIBLK-PP074490.D	SDG No.:	Q2934
Lab Sample ID:	I.BLK-PP074490.D	Matrix:	WATER
Analytical Method:	8082A	% 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
PP074490.D	1		08/19/25	PP081925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.7		70 (60) - 130 (140)	78%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.9		70 (60) - 130 (140)	85%	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
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* = 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:	Portal Partners Tri-Venture	Date Collected:	08/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/23/25
Client Sample ID:	PIBLK-PP074611.D	SDG No.:	Q2934
Lab Sample ID:	I.BLK-PP074611.D	Matrix:	WATER
Analytical Method:	8082A	% 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
PP074611.D	1		08/23/25	pp082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.2		70 (60) - 130 (140)	76%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.8	*	70 (60) - 130 (140)	69%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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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:	Portal Partners Tri-Venture	Date Collected:	08/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/23/25
Client Sample ID:	PIBLK-PP074623.D	SDG No.:	Q2934
Lab Sample ID:	I.BLK-PP074623.D	Matrix:	WATER
Analytical Method:	8082A	% 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
PP074623.D	1		08/23/25	pp082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.3		70 (60) - 130 (140)	77%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.2		70 (60) - 130 (140)	71%	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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169361BS	SDG No.:	Q2934
Lab Sample ID:	PB169361BS	Matrix:	WATER
Analytical Method:	8082A	% 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 :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074613.D	1	08/22/25 10:20	08/23/25 02:59	PB169361

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.50		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.30		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.7		30 (30) - 150 (173)	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.5		30 (10) - 150 (173)	118%	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169361BSD	SDG No.:	Q2934
Lab Sample ID:	PB169361BSD	Matrix:	WATER
Analytical Method:	8082A	% 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 :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074614.D	1	08/22/25 10:20	08/23/25 03:16	PB169361

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.50		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.60		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.4		30 (30) - 150 (173)	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.2		30 (10) - 150 (173)	116%	SPK: 20

Comments:

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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
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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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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Instrument ID: ECD_O **Calibration Date(s):** 08/18/2025 08/18/2025

Calibration Times: 09:53 18:24

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

LAB FILE ID: RT 1000 = PO113003.D RT 750 = PO113004.D

RT 500 = PO113005.D RT 250 = PO113006.D RT 050 = PO113007.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1016-2	(2)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1016-3	(3)	4.82	4.82	4.82	4.82	4.82	4.82	4.72	4.92
Aroclor-1016-4	(4)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-5	(5)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1260-1	(1)	6.24	6.24	6.24	6.24	6.23	6.24	6.14	6.34
Aroclor-1260-2	(2)	6.43	6.43	6.43	6.43	6.42	6.43	6.33	6.53
Aroclor-1260-3	(3)	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Aroclor-1260-4	(4)	7.05	7.05	7.05	7.05	7.05	7.05	6.95	7.15
Aroclor-1260-5	(5)	7.29	7.29	7.29	7.29	7.29	7.29	7.19	7.39
Decachlorobiphenyl		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1242-1	(1)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1242-2	(2)	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Aroclor-1242-3	(3)	4.82	4.82	4.82	4.82	4.82	4.82	4.72	4.92
Aroclor-1242-4	(4)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-5	(5)	5.59	5.59	5.59	5.59	5.59	5.59	5.49	5.69
Decachlorobiphenyl		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1248-1	(1)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1248-2	(2)	4.99	4.99	4.98	4.99	4.99	4.99	4.89	5.09
Aroclor-1248-3	(3)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1248-4	(4)	5.55	5.55	5.55	5.55	5.55	5.55	5.45	5.65
Aroclor-1248-5	(5)	5.59	5.59	5.59	5.59	5.59	5.59	5.49	5.69
Decachlorobiphenyl		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1254-1	(1)	5.55	5.55	5.55	5.55	5.55	5.55	5.45	5.65
Aroclor-1254-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1254-3	(3)	6.10	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1254-4	(4)	6.33	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Aroclor-1254-5	(5)	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Decachlorobiphenyl		8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1268-1	(1)	7.58	7.57	7.58	7.58	7.58	7.58	7.48	7.68
Aroclor-1268-2	(2)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1268-3	(3)	7.85	7.84	7.85	7.85	7.85	7.85	7.75	7.95
Aroclor-1268-4	(4)	8.14	8.13	8.14	8.13	8.14	8.14	8.04	8.24
Aroclor-1268-5	(5)	8.43	8.43	8.43	8.43	8.43	8.43	8.33	8.53

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Instrument ID: ECD_O **Calibration Date(s):** 08/18/2025 08/18/2025

Calibration Times: 09:53 18:24

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

LAB FILE ID: RT 1000 = PO113003.D RT 750 = PO113004.D

RT 500 = PO113005.D RT 250 = PO113006.D RT 050 = PO113007.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1016-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1016-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-4	(4)	4.96	4.97	4.96	4.97	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1260-1	(1)	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
Aroclor-1260-2	(2)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Aroclor-1260-3	(3)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1260-4	(4)	7.01	7.01	7.01	7.01	7.01	7.01	6.91	7.11
Aroclor-1260-5	(5)	7.26	7.26	7.26	7.26	7.25	7.26	7.16	7.36
Decachlorobiphenyl		8.63	8.63	8.63	8.63	8.63	8.63	8.53	8.73
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.65	3.66	3.56	3.76
Aroclor-1242-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1242-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1242-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-4	(4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1242-5	(5)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Decachlorobiphenyl		8.63	8.63	8.63	8.63	8.63	8.63	8.53	8.73
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1248-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1248-2	(2)	4.97	4.96	4.96	4.97	4.96	4.96	4.86	5.06
Aroclor-1248-3	(3)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-4	(4)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-5	(5)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Decachlorobiphenyl		8.63	8.63	8.63	8.63	8.63	8.63	8.53	8.73
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1254-1	(1)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1254-2	(2)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1254-3	(3)	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Aroclor-1254-4	(4)	6.30	6.30	6.30	6.30	6.30	6.30	6.20	6.40
Aroclor-1254-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		8.63	8.63	8.63	8.63	8.63	8.63	8.53	8.73
Tetrachloro-m-xylene		3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76
Aroclor-1268-1	(1)	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Aroclor-1268-2	(2)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Aroclor-1268-3	(3)	7.81	7.80	7.81	7.80	7.80	7.80	7.70	7.90
Aroclor-1268-4	(4)	8.09	8.09	8.09	8.09	8.09	8.09	7.99	8.19
Aroclor-1268-5	(5)	8.38	8.38	8.38	8.38	8.38	8.38	8.28	8.48

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.63	8.63	8.63	8.63	8.63	8.63	8.53	8.73
Tetrachloro-m-xylene	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: PORT06
SDG NO.: Q2934
Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 09:53 18:24

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

LAB FILE ID: CF 1000 = PO113003.D CF 750 = PO113004.D
CF 500 = PO113005.D CF 250 = PO113006.D CF 050 = PO113007.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	255371052	268882561	275934040	276241276	258494960	266984778	4
Aroclor-1016-2	(2)	386597005	407445280	416148678	417991420	378975420	401431561	4
Aroclor-1016-3	(3)	240674907	253345352	260103296	260910040	260078600	255022439	3
Aroclor-1016-4	(4)	200488933	211018755	217396840	218446060	242989580	218068034	7
Aroclor-1016-5	(5)	201770173	209979241	223743332	226026380	246620380	221627901	8
Aroclor-1260-1	(1)	410428218	427895784	448350422	466101308	477127140	445980574	6
Aroclor-1260-2	(2)	647927331	671777743	694591256	718069576	701240300	686721241	4
Aroclor-1260-3	(3)	589701211	617064005	642929590	643696764	593976440	617473602	4
Aroclor-1260-4	(4)	414110693	436180457	452681312	475292936	461106740	447874428	5
Aroclor-1260-5	(5)	1160238835	1200115325	1238734248	1265998100	1188334440	1210684190	3
Decachlorobiphenyl		6690212690	6905027373	7141319640	7175759920	6744868400	6931437605	3
Tetrachloro-m-xylene		8029674340	8350369867	8441238500	8370538000	7741099400	8186584021	4
Aroclor-1242-1	(1)	219003807	233526197	242788968	240725264	213615160	229931879	6
Aroclor-1242-2	(2)	327976735	344946825	364718188	364178480	316305340	343625114	6
Aroclor-1242-3	(3)	205275217	218054489	227356174	226343432	232391780	221884218	5
Aroclor-1242-4	(4)	165269678	175377872	183337550	185157480	158170880	173462692	7
Aroclor-1242-5	(5)	180656505	196650337	209535050	215724772	198244940	200162321	7
Decachlorobiphenyl		6983751120	7199555547	7360295780	7264103480	6074426600	6976426505	7
Tetrachloro-m-xylene		7902542970	8274474280	8655126880	8517047440	6985096600	8066857634	8
Aroclor-1248-1	(1)	177555092	181269211	184034788	180488664	148983880	174466327	8
Aroclor-1248-2	(2)	240102006	246360772	247113578	251916636	223835260	241865650	5
Aroclor-1248-3	(3)	306109229	315711316	329615046	318673876	324209820	318863857	3
Aroclor-1248-4	(4)	475546851	491209784	508332020	505821844	517111680	499604436	3
Aroclor-1248-5	(5)	324226410	338835636	348307430	339859680	356228800	341491591	4
Decachlorobiphenyl		7181659070	7514737493	7570052300	7529287200	6075985600	7174344333	9
Tetrachloro-m-xylene		8381826150	8547750707	8588948580	8387451840	6708360600	8122867575	10
Aroclor-1254-1	(1)	499551241	515351475	527161470	563388796	594438580	539978312	7
Aroclor-1254-2	(2)	454632825	464341571	479773010	512965400	555557200	493454001	8
Aroclor-1254-3	(3)	711089310	727800197	738817928	777856740	738821820	738877199	3
Aroclor-1254-4	(4)	533028449	548551808	553178702	579063696	571175320	556999595	3
Aroclor-1254-5	(5)	687979747	697879139	702021496	740623884	676364320	700973717	3
Decachlorobiphenyl		7131515840	7330561920	7448714920	7630980560	6693328400	7247020328	5
Tetrachloro-m-xylene		8126881990	8349680347	8316489120	8586551360	7297838200	8135488203	6
Aroclor-1268-1	(1)	1761014831	1774598480	1803892944	1840793296	1424143680	1720888646	10

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1477166466	1492439849	1517161498	1547779236	1206191000	1448147610	10
Aroclor-1268-3	(3)	1233609752	1245280741	1270713242	1291388356	990581680	1206314754	10
Aroclor-1268-4	(4)	475808490	479214719	476669802	493044724	378582420	460664031	10
Aroclor-1268-5	(5)	3340543820	3334721212	3351512988	3373775928	2541501700	3188411130	11
Decachlorobiphenyl		13573084670	13653631320	13924005880	14188212680	11035945600	13274976030	10
Tetrachloro-m-xylene		8383283840	8466545813	8477460740	8727640480	6548042000	8120594575	11

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: PORT06
SDG NO.: Q2934
Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 09:53 18:24

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

LAB FILE ID: CF 1000 = PO113003.D CF 750 = PO113004.D
CF 500 = PO113005.D CF 250 = PO113006.D CF 050 = PO113007.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	157648421	166338757	175029528	179513524	174338440	170573734	5
Aroclor-1016-2	(2)	242743120	252380695	260324992	267711416	265120000	257656045	4
Aroclor-1016-3	(3)	126993760	133087225	138404134	144167804	155418980	139614381	8
Aroclor-1016-4	(4)	100459724	106574292	112469896	119612944	144377780	116698927	15
Aroclor-1016-5	(5)	128106279	134710951	142286356	148407360	159139040	142529997	8
Aroclor-1260-1	(1)	228928107	240864928	252574738	272240464	280735880	255068823	8
Aroclor-1260-2	(2)	313918308	328124507	343910348	357024580	385581120	345711773	8
Aroclor-1260-3	(3)	262510074	276701705	293612640	313010736	341333940	297433819	10
Aroclor-1260-4	(4)	185941664	193924396	204255296	207408028	244718200	207249517	11
Aroclor-1260-5	(5)	425960236	439043723	465902736	470000160	541240260	468429423	10
Decachlorobiphenyl		1831064100	1917365987	1985856160	1994289280	1745675200	1894850145	6
Tetrachloro-m-xylene		4916768960	5105759507	5187285900	5153639000	4939804600	5060651593	2
Aroclor-1242-1	(1)	133881576	143118904	152394738	156445124	136681500	144504368	7
Aroclor-1242-2	(2)	203955870	217199904	228051544	234362648	200985900	216911173	7
Aroclor-1242-3	(3)	105689998	114133919	120912152	123685124	120400300	116964299	6
Aroclor-1242-4	(4)	101683397	110649877	117620438	123213288	135019900	117637380	11
Aroclor-1242-5	(5)	136091884	145976403	155166798	162502892	145926680	149132931	7
Decachlorobiphenyl		1868057120	1957140320	2005702880	2020794160	1772529000	1924844696	5
Tetrachloro-m-xylene		4825813680	5071335853	5270165440	5270477280	4505798600	4988718171	7
Aroclor-1248-1	(1)	108471143	113278465	116916398	117022156	101871080	111511848	6
Aroclor-1248-2	(2)	150794660	157713281	163410186	169101272	162475680	160699016	4
Aroclor-1248-3	(3)	159433549	166390719	173042032	176703836	172733300	169660687	4
Aroclor-1248-4	(4)	188271317	195815885	204890460	209017568	198105260	199220098	4
Aroclor-1248-5	(5)	194018440	203934763	211803632	222502412	229222700	212296389	7
Decachlorobiphenyl		1895882940	1980749933	2008729920	2044623040	1730989400	1932195047	6
Tetrachloro-m-xylene		5046994300	5155202453	5203435340	5076525520	4220137200	4940458963	8
Aroclor-1254-1	(1)	288848558	302797836	311612874	336218560	337291100	315353786	7
Aroclor-1254-2	(2)	255015428	266176108	276603524	303614928	300286060	280339210	8
Aroclor-1254-3	(3)	394658183	407977155	416043550	446405672	419527560	416922424	5
Aroclor-1254-4	(4)	258230294	268632580	273598908	289141772	284574380	274835587	5
Aroclor-1254-5	(5)	325480526	337925896	351521312	371760832	400764340	357490581	8
Decachlorobiphenyl		1855582740	1926836507	1973181280	2039405120	1846968600	1928394849	4
Tetrachloro-m-xylene		4911279290	5066835907	5059128600	5241425160	4670568800	4989847551	4
Aroclor-1268-1	(1)	505322959	499938980	529404120	551503232	461152840	509464426	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	411828393	408615411	431678690	446034816	378854460	415402354	6
Aroclor-1268-3	(3)	321714437	321009472	339466898	353051976	297302600	326509077	6
Aroclor-1268-4	(4)	120303152	122244828	123085728	129780148	106749080	120432587	7
Aroclor-1268-5	(5)	793658604	796742752	812678858	835111136	666596880	780957646	8
Decachlorobiphenyl		3468678600	3498241200	3592049560	3737387920	2992120000	3457695456	8
Tetrachloro-m-xylene		5091723140	5143743093	5120936720	5368398520	4128952800	4970750855	10

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Instrument ID: ECD_O **Date(s) Analyzed:** 08/18/2025 08/18/2025

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	3.87	3.77	3.97	93573200
		2	3.96	3.86	4.06	67550600
		3	4.04	3.94	4.14	221352000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.04	3.94	4.14	174006000
		2	4.53	4.43	4.63	99852400
		3	4.77	4.67	4.87	189475000
		4	4.94	4.84	5.04	94169600
		5	4.99	4.89	5.09	61943000
Aroclor-1262	500	1	6.79	6.69	6.89	915764000
		2	7.29	7.19	7.39	1512160000
		3	7.58	7.48	7.68	554108000
		4	7.64	7.54	7.74	977968000
		5	8.14	8.04	8.24	416878000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Instrument ID: ECD_O **Date(s) Analyzed:** 08/18/2025 08/18/2025

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	3.86	3.76	3.96	63121200
		2	3.95	3.85	4.05	46673200
		3	4.02	3.92	4.12	148475000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	117403000
		2	4.75	4.65	4.85	122545000
		3	4.92	4.82	5.02	63345600
		4	5.01	4.91	5.11	56221200
		5	5.18	5.08	5.28	59863600
Aroclor-1262	500	1	6.76	6.66	6.86	414614000
		2	7.26	7.16	7.36	517670000
		3	7.54	7.44	7.64	179590000
		4	7.60	7.50	7.70	289902000
		5	8.09	7.99	8.19	108331000

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Instrument ID: ECD_P **Calibration Date(s):** 08/19/2025 08/19/2025

Calibration Times: 10:02 17:36

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

LAB FILE ID: RT 1000 = PP074491.D RT 750 = PP074492.D

RT 500 = PP074493.D RT 250 = PP074494.D RT 050 = PP074495.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.80	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1016-2	(2)	5.82	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1016-3	(3)	5.89	5.89	5.89	5.89	5.89	5.89	5.79	5.99
Aroclor-1016-4	(4)	5.98	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1016-5	(5)	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Aroclor-1260-1	(1)	7.39	7.40	7.40	7.40	7.40	7.40	7.30	7.50
Aroclor-1260-2	(2)	7.65	7.65	7.65	7.65	7.65	7.65	7.55	7.75
Aroclor-1260-3	(3)	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
Aroclor-1260-4	(4)	8.23	8.24	8.24	8.24	8.24	8.24	8.14	8.34
Aroclor-1260-5	(5)	8.56	8.56	8.56	8.56	8.56	8.56	8.46	8.66
Decachlorobiphenyl		10.43	10.44	10.43	10.43	10.44	10.43	10.33	10.53
Tetrachloro-m-xylene		4.65	4.66	4.65	4.66	4.66	4.66	4.56	4.76
Aroclor-1242-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1242-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1242-3	(3)	5.89	5.89	5.89	5.89	5.89	5.89	5.79	5.99
Aroclor-1242-4	(4)	5.99	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Aroclor-1242-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.43	10.44	10.43	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1248-1	(1)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1248-2	(2)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1248-3	(3)	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Aroclor-1248-4	(4)	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Aroclor-1248-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1254-1	(1)	6.66	6.66	6.66	6.66	6.65	6.66	6.56	6.76
Aroclor-1254-2	(2)	6.88	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Aroclor-1254-3	(3)	7.24	7.24	7.24	7.23	7.23	7.24	7.14	7.34
Aroclor-1254-4	(4)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1254-5	(5)	7.94	7.93	7.93	7.93	7.93	7.93	7.83	8.03
Decachlorobiphenyl		10.44	10.44	10.44	10.44	10.44	10.44	10.34	10.54
Tetrachloro-m-xylene		4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76
Aroclor-1268-1	(1)	8.88	8.89	8.88	8.89	8.88	8.89	8.79	8.99
Aroclor-1268-2	(2)	8.98	8.98	8.98	8.98	8.98	8.98	8.88	9.08
Aroclor-1268-3	(3)	9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Aroclor-1268-4	(4)	9.65	9.65	9.65	9.65	9.65	9.65	9.55	9.75
Aroclor-1268-5	(5)	10.08	10.08	10.08	10.08	10.08	10.08	9.98	10.18

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.43	10.44	10.43	10.44	10.43	10.43	10.33	10.53
Tetrachloro-m-xylene	4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Instrument ID: ECD_P **Calibration Date(s):** 08/19/2025 08/19/2025

Calibration Times: 10:02 17:36

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

LAB FILE ID: RT 1000 = PP074491.D RT 750 = PP074492.D

RT 500 = PP074493.D RT 250 = PP074494.D RT 050 = PP074495.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-2	(2)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1016-4	(4)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1016-5	(5)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1260-1	(1)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1260-2	(2)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-3	(3)	6.70	6.71	6.70	6.70	6.70	6.70	6.60	6.80
Aroclor-1260-4	(4)	7.17	7.17	7.17	7.17	7.17	7.17	7.07	7.27
Aroclor-1260-5	(5)	7.41	7.41	7.41	7.41	7.41	7.41	7.31	7.51
Decachlorobiphenyl		8.81	8.82	8.82	8.81	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1242-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-2	(2)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1242-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-5	(5)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Decachlorobiphenyl		8.82	8.82	8.81	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1248-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1248-2	(2)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1248-3	(3)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-4	(4)	5.33	5.33	5.33	5.33	5.33	5.33	5.23	5.43
Aroclor-1248-5	(5)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1254-1	(1)	5.69	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1254-2	(2)	5.83	5.83	5.83	5.83	5.83	5.83	5.73	5.93
Aroclor-1254-3	(3)	6.24	6.23	6.23	6.23	6.23	6.23	6.13	6.33
Aroclor-1254-4	(4)	6.46	6.46	6.46	6.46	6.46	6.46	6.36	6.56
Aroclor-1254-5	(5)	6.88	6.87	6.88	6.88	6.88	6.88	6.78	6.98
Decachlorobiphenyl		8.82	8.82	8.82	8.82	8.81	8.82	8.72	8.92
Tetrachloro-m-xylene		3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1268-1	(1)	7.70	7.70	7.69	7.70	7.69	7.70	7.60	7.80
Aroclor-1268-2	(2)	7.76	7.76	7.76	7.76	7.76	7.76	7.66	7.86
Aroclor-1268-3	(3)	7.97	7.97	7.97	7.97	7.96	7.97	7.87	8.07
Aroclor-1268-4	(4)	8.25	8.26	8.25	8.25	8.25	8.25	8.15	8.35
Aroclor-1268-5	(5)	8.55	8.55	8.55	8.55	8.55	8.55	8.45	8.65

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.81	8.82	8.81	8.82	8.81	8.82	8.72	8.92
Tetrachloro-m-xylene	3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: PORT06
SDG NO.: Q2934
Calibration Date(s): 08/19/2025 08/19/2025
Calibration Times: 10:02 17:36

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

LAB FILE ID: CF 1000 = PP074491.D CF 750 = PP074492.D
CF 500 = PP074493.D CF 250 = PP074494.D CF 050 = PP074495.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	37260672	39165227	41840274	46667524	55510560	44088851	17
Aroclor-1016-2	(2)	55294208	58678316	63208216	69200552	67826880	62841634	9
Aroclor-1016-3	(3)	37159554	39829409	42380342	50420568	54779780	44913931	17
Aroclor-1016-4	(4)	30238509	32061391	34848388	39362172	39398600	35181812	12
Aroclor-1016-5	(5)	29225854	30645948	33029644	36469124	36559780	33186070	10
Aroclor-1260-1	(1)	48563391	51183833	55342410	61530012	72427960	57809521	16
Aroclor-1260-2	(2)	57520052	60697599	66234840	73517872	86617000	68917473	17
Aroclor-1260-3	(3)	45466412	48231029	50486582	57234216	58008180	51885284	11
Aroclor-1260-4	(4)	53945139	57153024	61763720	67649864	78452080	63792765	15
Aroclor-1260-5	(5)	98135607	102882747	108313414	117775440	139953440	113412130	15
Decachlorobiphenyl		866337170	921955053	988573200	1058849640	1101835800	987510173	10
Tetrachloro-m-xylene		1100953570	1143235467	1200713680	1268558320	1404991400	1223690487	10
Aroclor-1242-1	(1)	33534775	35196259	38660790	41241740	42742440	38275201	10
Aroclor-1242-2	(2)	50582395	52453757	57915216	62104248	59354260	56481975	9
Aroclor-1242-3	(3)	33349694	35414635	39970066	43883972	50396180	40602909	17
Aroclor-1242-4	(4)	27192200	28632309	31894696	35816444	35173600	31741850	12
Aroclor-1242-5	(5)	29731727	30733847	34626980	38850892	46409580	36070605	19
Decachlorobiphenyl		942571090	998560827	1090308640	1132992280	1083717600	1049630087	7
Tetrachloro-m-xylene		1101623960	1151320933	1235361060	1272027120	1278388200	1207744255	6
Aroclor-1248-1	(1)	26825393	28405716	30845872	34074380	30968720	30224016	9
Aroclor-1248-2	(2)	37601198	39897476	43211686	48783724	45986180	43096053	10
Aroclor-1248-3	(3)	41457218	43776155	46817460	51955424	49511780	46703607	9
Aroclor-1248-4	(4)	47576379	50895647	54418430	60667104	61446460	55000804	11
Aroclor-1248-5	(5)	47007884	50058825	54098864	61916308	64270400	55470456	13
Decachlorobiphenyl		950993890	1009223920	1071012460	1167985200	1057373600	1051317814	8
Tetrachloro-m-xylene		1100991950	1146778960	1200566400	1276972480	1211462000	1187354358	6
Aroclor-1254-1	(1)	48507797	53598960	57022412	63560864	68657180	58269443	14
Aroclor-1254-2	(2)	68997007	73735961	79493314	88136784	97716940	81616001	14
Aroclor-1254-3	(3)	75433146	80269064	85469286	94710248	110150500	89206449	15
Aroclor-1254-4	(4)	56817907	60256557	64375914	71178004	76939600	65913596	12
Aroclor-1254-5	(5)	71518563	76344344	81241680	89300320	97020080	83084997	12
Decachlorobiphenyl		955810170	985159667	1046715980	1146118200	1185105200	1063781843	9
Tetrachloro-m-xylene		1074895520	1124737840	1186244600	1279770240	1364835400	1206096720	10
Aroclor-1268-1	(1)	145382221	149256528	159799060	175238264	180520060	162039227	10

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	135128903	138304824	147968774	161072492	151211120	146737223	7
Aroclor-1268-3	(3)	112837949	115383373	124401538	134921752	130382340	123585390	8
Aroclor-1268-4	(4)	60062429	62288615	69185966	72327472	72450180	67262932	9
Aroclor-1268-5	(5)	347935374	352387180	372266714	396976848	381293520	370171927	6
Decachlorobiphenyl		1643122860	1684754733	1816495060	1968851320	1846466800	1791938155	7
Tetrachloro-m-xylene		1139511630	1162795853	1215559280	1293072360	1185938800	1199375585	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: PORT06
SDG NO.: Q2934
Calibration Date(s): 08/19/2025 08/19/2025
Calibration Times: 10:02 17:36

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

LAB FILE ID: CF 1000 = PP074491.D CF 750 = PP074492.D
CF 500 = PP074493.D CF 250 = PP074494.D CF 050 = PP074495.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	496657182	503720793	523846228	513002896	509541900	509353800	2
Aroclor-1016-2	(2)	239168801	238546505	246638078	251142512	214580920	238015363	6
Aroclor-1016-3	(3)	133036564	130124845	144330606	141427600	140598400	137903603	4
Aroclor-1016-4	(4)	133477489	138002388	140534852	142183668	144817800	139803239	3
Aroclor-1016-5	(5)	154126731	152599703	155237916	163343428	205109040	166083364	13
Aroclor-1260-1	(1)	363284667	378829761	386185190	382321000	365496040	375223332	3
Aroclor-1260-2	(2)	523788027	519029669	530795266	515617580	554844180	528814944	3
Aroclor-1260-3	(3)	397906310	403814531	425344812	411965640	525972600	433000779	12
Aroclor-1260-4	(4)	386647802	396528909	406788188	382587548	334816920	381473873	7
Aroclor-1260-5	(5)	1072036571	1049469899	1040494106	1005914236	854489880	1004480938	9
Decachlorobiphenyl		7534332740	7444555573	7912532780	7690082000	6914466800	7499193979	5
Tetrachloro-m-xylene		5208096140	5362153787	4998687000	4783674480	3824485800	4835419441	13
Aroclor-1242-1	(1)	426248141	431977179	439434088	427078864	384025660	421752786	5
Aroclor-1242-2	(2)	202991737	207389804	208837132	204363608	177830640	200282584	6
Aroclor-1242-3	(3)	114667914	119000831	118474420	125754936	113593040	118298228	4
Aroclor-1242-4	(4)	162797331	159395943	169924744	169924792	193754480	171159458	8
Aroclor-1242-5	(5)	176244820	193149587	194953880	198727516	162744820	185164125	8
Decachlorobiphenyl		7439485810	7647320840	7750380960	7387148800	6696994000	7384266082	6
Tetrachloro-m-xylene		5552255470	5495660120	5265795020	4718643160	3344536200	4875377994	19
Aroclor-1248-1	(1)	276787529	272989900	294110190	287515664	249311100	276142877	6
Aroclor-1248-2	(2)	170428062	176978340	184167818	188684076	163519180	176755495	6
Aroclor-1248-3	(3)	216883105	236968729	226037212	232782684	223345400	227203426	3
Aroclor-1248-4	(4)	216013976	222165432	229596264	221937152	200392380	218021041	5
Aroclor-1248-5	(5)	365899980	378186867	386596360	393195048	312731540	367321959	9
Decachlorobiphenyl		7362170440	7623348680	7832285760	7830414120	6177033600	7365050520	9
Tetrachloro-m-xylene		4921775200	5272375827	4922615420	4754396920	3067777000	4587788073	19
Aroclor-1254-1	(1)	450774429	460491156	493889042	479687392	498710100	476710424	4
Aroclor-1254-2	(2)	327603431	350278748	349528710	357585716	375666820	352132685	5
Aroclor-1254-3	(3)	632195702	651991325	663558136	626254444	525027180	619805357	9
Aroclor-1254-4	(4)	465715221	475856425	494623526	472743392	434193620	468626437	5
Aroclor-1254-5	(5)	494049062	518095117	499208524	513687428	427465960	490501218	7
Decachlorobiphenyl		7570292860	7622860640	7575883760	7671178000	7261560400	7540355132	2
Tetrachloro-m-xylene		5083198010	4906330680	4979033200	4619762640	3271378000	4571940506	16
Aroclor-1268-1	(1)	1582015639	1422598329	1546826516	1453362868	1047671520	1410494974	15

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1588231016	1429840941	1442651986	1413308564	943104640	1363427429	18
Aroclor-1268-3	(3)	1131064358	1100247001	1123773528	1077394544	783689900	1043233866	14
Aroclor-1268-4	(4)	433982459	417630531	415097948	393627672	255142820	383096286	19
Aroclor-1268-5	(5)	3414138804	3322863425	3420880908	3301062668	2221751820	3136139525	16
Decachlorobiphenyl		14390930480	14121362587	14413340360	14318679160	10749496600	13598761837	12
Tetrachloro-m-xylene		5211020900	5014233547	4937082600	4815562400	3041581600	4603896209	19

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Instrument ID: ECD_P **Date(s) Analyzed:** 08/19/2025 08/19/2025

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	4.85	4.75	4.95	17592800
		2	4.94	4.84	5.04	13357200
		3	5.02	4.92	5.12	37912800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.02	4.92	5.12	30374000
		2	5.54	5.44	5.64	15758200
		3	5.83	5.73	5.93	30543600
		4	5.99	5.89	6.09	17269300
		5	6.08	5.98	6.18	12981000
Aroclor-1262	500	1	8.24	8.14	8.34	77016000
		2	8.57	8.47	8.67	132381000
		3	8.89	8.79	8.99	97212400
		4	8.98	8.88	9.08	75330400
		5	9.65	9.55	9.75	60956200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Instrument ID: ECD_P **Date(s) Analyzed:** 08/19/2025 08/19/2025

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	4.01	3.91	4.11	61867400
		2	4.10	4.00	4.20	45212000
		3	4.17	4.07	4.27	164294000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.17	4.07	4.27	128095000
		2	4.90	4.80	5.00	231794000
		3	5.08	4.98	5.18	60059800
		4	5.16	5.06	5.26	73707400
		5	5.33	5.23	5.43	62083800
Aroclor-1262	500	1	6.92	6.82	7.02	707260000
		2	7.18	7.08	7.28	520714000
		3	7.70	7.60	7.80	466296000
		4	7.76	7.66	7.86	821860000
		5	8.26	8.16	8.36	358310000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Continuing Calib Date: 08/22/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 20:14 **Initial Calibration Time(s):** 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.75	4.75	4.65	4.85	0.00
Aroclor-1016-2	(2)	4.77	4.77	4.67	4.87	0.01
Aroclor-1016-3	(3)	4.82	4.82	4.72	4.92	0.00
Aroclor-1016-4	(4)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-5	(5)	5.20	5.20	5.10	5.30	0.00
Aroclor-1260-1	(1)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.79	6.79	6.69	6.89	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.68	8.68	8.58	8.78	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Continuing Calib Date: 08/22/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 20:14 **Initial Calibration Time(s):** 09:53 18:24

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)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.54	6.44	6.64	0.00
Aroclor-1260-4	(4)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-5	(5)	7.25	7.26	7.16	7.36	0.01
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.63	8.63	8.53	8.73	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/22/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO113193.D **Time Analyzed:** 20:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.747	4.648	4.848	518.070	500.000	3.6
Aroclor-1016-2	4.765	4.666	4.866	537.940	500.000	7.6
Aroclor-1016-3	4.823	4.724	4.924	531.100	500.000	6.2
Aroclor-1016-4	4.941	4.843	5.043	491.560	500.000	-1.7
Aroclor-1016-5	5.199	5.099	5.299	564.270	500.000	12.9
Aroclor-1260-1	6.235	6.136	6.336	480.810	500.000	-3.8
Aroclor-1260-2	6.424	6.326	6.526	473.600	500.000	-5.3
Aroclor-1260-3	6.790	6.691	6.891	462.980	500.000	-7.4
Aroclor-1260-4	7.049	6.951	7.151	482.200	500.000	-3.6
Aroclor-1260-5	7.292	7.194	7.394	465.850	500.000	-6.8
Decachlorobiphenyl	8.680	8.582	8.782	42.790	50.000	-14.4
Tetrachloro-m-xylene	3.662	3.563	3.763	52.350	50.000	4.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/22/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO113193.D **Time Analyzed:** 20:14

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.728	4.629	4.829	494.670	500.000	-1.1
Aroclor-1016-2	4.745	4.647	4.847	501.600	500.000	0.3
Aroclor-1016-3	4.920	4.822	5.022	486.130	500.000	-2.8
Aroclor-1016-4	4.963	4.864	5.064	468.740	500.000	-6.3
Aroclor-1016-5	5.175	5.076	5.276	517.800	500.000	3.6
Aroclor-1260-1	6.202	6.104	6.304	460.660	500.000	-7.9
Aroclor-1260-2	6.390	6.292	6.492	457.400	500.000	-8.5
Aroclor-1260-3	6.542	6.443	6.643	424.220	500.000	-15.2
Aroclor-1260-4	7.011	6.912	7.112	430.870	500.000	-13.8
Aroclor-1260-5	7.253	7.155	7.355	431.340	500.000	-13.7
Decachlorobiphenyl	8.626	8.528	8.728	46.810	50.000	-6.4
Tetrachloro-m-xylene	3.655	3.555	3.755	50.400	50.000	0.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Continuing Calib Date: 08/23/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 02:39 **Initial Calibration Time(s):** 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.75	4.75	4.65	4.85	0.00
Aroclor-1016-2	(2)	4.77	4.77	4.67	4.87	0.01
Aroclor-1016-3	(3)	4.82	4.82	4.72	4.92	0.00
Aroclor-1016-4	(4)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-5	(5)	5.20	5.20	5.10	5.30	0.00
Aroclor-1260-1	(1)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.79	6.79	6.69	6.89	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.68	8.68	8.58	8.78	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Continuing Calib Date: 08/23/2025 **Initial Calibration Date(s):** 08/18/2025 08/18/2025

Continuing Calib Time: 02:39 **Initial Calibration Time(s):** 09:53 18:24

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)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.54	6.44	6.64	0.00
Aroclor-1260-4	(4)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-5	(5)	7.25	7.26	7.16	7.36	0.01
Tetrachloro-m-xylene		3.65	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.63	8.63	8.53	8.73	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO113208.D **Time Analyzed:** 02:39

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.747	4.648	4.848	520.600	500.000	4.1
Aroclor-1016-2	4.765	4.666	4.866	533.990	500.000	6.8
Aroclor-1016-3	4.822	4.724	4.924	533.000	500.000	6.6
Aroclor-1016-4	4.941	4.843	5.043	481.610	500.000	-3.7
Aroclor-1016-5	5.198	5.099	5.299	574.940	500.000	15.0
Aroclor-1260-1	6.233	6.136	6.336	517.130	500.000	3.4
Aroclor-1260-2	6.423	6.326	6.526	525.310	500.000	5.1
Aroclor-1260-3	6.788	6.691	6.891	521.760	500.000	4.4
Aroclor-1260-4	7.047	6.951	7.151	526.560	500.000	5.3
Aroclor-1260-5	7.291	7.194	7.394	520.660	500.000	4.1
Decachlorobiphenyl	8.679	8.582	8.782	48.780	50.000	-2.4
Tetrachloro-m-xylene	3.662	3.563	3.763	52.400	50.000	4.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO113208.D **Time Analyzed:** 02:39

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.727	4.629	4.829	501.500	500.000	0.3
Aroclor-1016-2	4.745	4.647	4.847	494.870	500.000	-1.0
Aroclor-1016-3	4.920	4.822	5.022	486.480	500.000	-2.7
Aroclor-1016-4	4.963	4.864	5.064	471.280	500.000	-5.7
Aroclor-1016-5	5.175	5.076	5.276	526.100	500.000	5.2
Aroclor-1260-1	6.202	6.104	6.304	474.200	500.000	-5.2
Aroclor-1260-2	6.390	6.292	6.492	477.900	500.000	-4.4
Aroclor-1260-3	6.541	6.443	6.643	441.190	500.000	-11.8
Aroclor-1260-4	7.010	6.912	7.112	455.950	500.000	-8.8
Aroclor-1260-5	7.253	7.155	7.355	445.530	500.000	-10.9
Decachlorobiphenyl	8.625	8.528	8.728	49.550	50.000	-0.9
Tetrachloro-m-xylene	3.654	3.555	3.755	50.210	50.000	0.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Continuing Calib Date: 08/23/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 01:22 **Initial Calibration Time(s):** 10:02 17:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.57	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.66	4.65	4.55	4.75	-0.01
Decachlorobiphenyl		10.44	10.43	10.33	10.53	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Continuing Calib Date: 08/23/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 01:22 **Initial Calibration Time(s):** 10:02 17:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.70	6.60	6.80	0.00
Aroclor-1260-4	(4)	7.17	7.17	7.07	7.27	0.00
Aroclor-1260-5	(5)	7.41	7.41	7.31	7.51	0.00
Tetrachloro-m-xylene		3.80	3.80	3.70	3.90	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074607.D **Time Analyzed:** 01:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.810	5.706	5.906	517.150	500.000	3.4
Aroclor-1016-2	5.832	5.727	5.927	535.080	500.000	7.0
Aroclor-1016-3	5.894	5.790	5.990	490.880	500.000	-1.8
Aroclor-1016-4	5.992	5.888	6.088	514.370	500.000	2.9
Aroclor-1016-5	6.284	6.180	6.380	532.650	500.000	6.5
Aroclor-1260-1	7.401	7.297	7.497	502.910	500.000	0.6
Aroclor-1260-2	7.653	7.550	7.750	497.210	500.000	-0.6
Aroclor-1260-3	8.011	7.908	8.108	526.350	500.000	5.3
Aroclor-1260-4	8.240	8.136	8.336	506.800	500.000	1.4
Aroclor-1260-5	8.565	8.462	8.662	489.770	500.000	-2.0
Decachlorobiphenyl	10.436	10.333	10.533	50.680	50.000	1.4
Tetrachloro-m-xylene	4.659	4.554	4.754	52.580	50.000	5.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074607.D **Time Analyzed:** 01:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.900	4.799	4.999	528.170	500.000	5.6
Aroclor-1016-2	4.958	4.855	5.055	550.600	500.000	10.1
Aroclor-1016-3	5.079	4.976	5.176	521.820	500.000	4.4
Aroclor-1016-4	5.119	5.017	5.217	501.960	500.000	0.4
Aroclor-1016-5	5.334	5.231	5.431	472.280	500.000	-5.5
Aroclor-1260-1	6.363	6.261	6.461	480.650	500.000	-3.9
Aroclor-1260-2	6.549	6.448	6.648	458.750	500.000	-8.3
Aroclor-1260-3	6.703	6.602	6.802	420.480	500.000	-15.9
Aroclor-1260-4	7.173	7.072	7.272	436.150	500.000	-12.8
Aroclor-1260-5	7.412	7.311	7.511	431.770	500.000	-13.6
Decachlorobiphenyl	8.814	8.715	8.915	42.100	50.000	-15.8
Tetrachloro-m-xylene	3.801	3.699	3.899	55.450	50.000	10.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Continuing Calib Date: 08/23/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 05:26 **Initial Calibration Time(s):** 10:02 17:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.66	4.65	4.55	4.75	-0.01
Decachlorobiphenyl		10.43	10.43	10.33	10.53	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

Continuing Calib Date: 08/23/2025 **Initial Calibration Date(s):** 08/19/2025 08/19/2025

Continuing Calib Time: 05:26 **Initial Calibration Time(s):** 10:02 17:36

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)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.01
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.01
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.70	6.60	6.80	0.00
Aroclor-1260-4	(4)	7.17	7.17	7.07	7.27	0.00
Aroclor-1260-5	(5)	7.41	7.41	7.31	7.51	0.00
Tetrachloro-m-xylene		3.80	3.80	3.70	3.90	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074619.D **Time Analyzed:** 05:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.806	5.706	5.906	477.270	500.000	-4.5
Aroclor-1016-2	5.828	5.727	5.927	504.260	500.000	0.9
Aroclor-1016-3	5.891	5.790	5.990	467.730	500.000	-6.5
Aroclor-1016-4	5.987	5.888	6.088	482.490	500.000	-3.5
Aroclor-1016-5	6.280	6.180	6.380	500.490	500.000	0.1
Aroclor-1260-1	7.397	7.297	7.497	472.640	500.000	-5.5
Aroclor-1260-2	7.650	7.550	7.750	463.510	500.000	-7.3
Aroclor-1260-3	8.008	7.908	8.108	491.980	500.000	-1.6
Aroclor-1260-4	8.236	8.136	8.336	464.640	500.000	-7.1
Aroclor-1260-5	8.561	8.462	8.662	454.250	500.000	-9.2
Decachlorobiphenyl	10.430	10.333	10.533	47.100	50.000	-5.8
Tetrachloro-m-xylene	4.655	4.554	4.754	49.100	50.000	-1.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **SDG NO.:** Q2934

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/23/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074619.D **Time Analyzed:** 05:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.897	4.799	4.999	480.720	500.000	-3.9
Aroclor-1016-2	4.955	4.855	5.055	492.480	500.000	-1.5
Aroclor-1016-3	5.075	4.976	5.176	473.430	500.000	-5.3
Aroclor-1016-4	5.116	5.017	5.217	458.630	500.000	-8.3
Aroclor-1016-5	5.330	5.231	5.431	420.760	500.000	-15.8
Aroclor-1260-1	6.359	6.261	6.461	454.660	500.000	-9.1
Aroclor-1260-2	6.545	6.448	6.648	459.130	500.000	-8.2
Aroclor-1260-3	6.700	6.602	6.802	406.660	500.000	-18.7
Aroclor-1260-4	7.169	7.072	7.272	439.820	500.000	-12.0
Aroclor-1260-5	7.408	7.311	7.511	433.530	500.000	-13.3
Decachlorobiphenyl	8.810	8.715	8.915	40.970	50.000	-18.1
Tetrachloro-m-xylene	3.798	3.699	3.899	53.390	50.000	6.8

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 08/18/2025 08/18/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	08/18/2025	09:34	PO113002.D	8.68	3.66
AR1660ICC1000	AR1660ICC1000	08/18/2025	09:53	PO113003.D	8.68	3.66
AR1660ICC750	AR1660ICC750	08/18/2025	10:11	PO113004.D	8.68	3.66
AR1660ICC500	AR1660ICC500	08/18/2025	10:29	PO113005.D	8.68	3.66
AR1660ICC250	AR1660ICC250	08/18/2025	10:48	PO113006.D	8.68	3.66
AR1660ICC050	AR1660ICC050	08/18/2025	11:06	PO113007.D	8.68	3.66
AR1221ICC500	AR1221ICC500	08/18/2025	11:25	PO113008.D	8.68	3.66
AR1232ICC500	AR1232ICC500	08/18/2025	11:43	PO113009.D	8.68	3.66
AR1242ICC1000	AR1242ICC1000	08/18/2025	12:01	PO113010.D	8.68	3.66
AR1242ICC750	AR1242ICC750	08/18/2025	12:20	PO113011.D	8.68	3.66
AR1242ICC500	AR1242ICC500	08/18/2025	12:38	PO113012.D	8.68	3.66
AR1242ICC250	AR1242ICC250	08/18/2025	12:57	PO113013.D	8.68	3.66
AR1242ICC050	AR1242ICC050	08/18/2025	13:15	PO113014.D	8.68	3.66
AR1248ICC1000	AR1248ICC1000	08/18/2025	13:34	PO113015.D	8.68	3.66
AR1248ICC750	AR1248ICC750	08/18/2025	13:52	PO113016.D	8.68	3.66
AR1248ICC500	AR1248ICC500	08/18/2025	14:09	PO113017.D	8.68	3.66
AR1248ICC250	AR1248ICC250	08/18/2025	14:28	PO113018.D	8.68	3.66
AR1248ICC050	AR1248ICC050	08/18/2025	14:46	PO113019.D	8.68	3.66
AR1254ICC1000	AR1254ICC1000	08/18/2025	15:05	PO113020.D	8.68	3.66
AR1254ICC750	AR1254ICC750	08/18/2025	15:23	PO113021.D	8.68	3.66
AR1254ICC500	AR1254ICC500	08/18/2025	15:41	PO113022.D	8.68	3.66
AR1254ICC250	AR1254ICC250	08/18/2025	16:00	PO113023.D	8.68	3.66
AR1254ICC050	AR1254ICC050	08/18/2025	16:18	PO113024.D	8.68	3.66
AR1262ICC500	AR1262ICC500	08/18/2025	16:54	PO113025.D	8.68	3.66
AR1268ICC1000	AR1268ICC1000	08/18/2025	17:12	PO113026.D	8.68	3.66
AR1268ICC750	AR1268ICC750	08/18/2025	17:30	PO113027.D	8.68	3.66
AR1268ICC500	AR1268ICC500	08/18/2025	17:48	PO113028.D	8.68	3.66
AR1268ICC250	AR1268ICC250	08/18/2025	18:06	PO113029.D	8.68	3.66
AR1268ICC050	AR1268ICC050	08/18/2025	18:24	PO113030.D	8.68	3.66
AR1660CCC500	AR1660CCC500	08/22/2025	20:14	PO113193.D	8.68	3.66
I.BLK	I.BLK	08/22/2025	22:23	PO113197.D	8.68	3.66
ENV-SW01	Q2934-01	08/23/2025	01:06	PO113206.D	8.68	3.66
ENV-SW02	Q2934-02	08/23/2025	01:25	PO113207.D	8.68	3.66
AR1660CCC500	AR1660CCC500	08/23/2025	02:39	PO113208.D	8.68	3.66
I.BLK	I.BLK	08/23/2025	04:29	PO113212.D	8.68	3.66
I.BLK	I.BLK	08/19/2025	09:46	PP074490.D	10.43	4.65
AR1660ICC1000	AR1660ICC1000	08/19/2025	10:02	PP074491.D	10.43	4.65
AR1660ICC750	AR1660ICC750	08/19/2025	10:18	PP074492.D	10.44	4.66
AR1660ICC500	AR1660ICC500	08/19/2025	10:34	PP074493.D	10.43	4.65
AR1660ICC250	AR1660ICC250	08/19/2025	10:51	PP074494.D	10.43	4.66
AR1660ICC050	AR1660ICC050	08/19/2025	11:07	PP074495.D	10.44	4.66
AR1221ICC500	AR1221ICC500	08/19/2025	11:23	PP074496.D	10.43	4.65

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Analytical Sequence

AR1232ICC500	AR1232ICC500	08/19/2025	11:39	PP074497.D	10.43	4.66
AR1242ICC1000	AR1242ICC1000	08/19/2025	11:55	PP074498.D	10.43	4.66
AR1242ICC750	AR1242ICC750	08/19/2025	12:12	PP074499.D	10.44	4.66
AR1242ICC500	AR1242ICC500	08/19/2025	12:28	PP074500.D	10.43	4.66
AR1242ICC250	AR1242ICC250	08/19/2025	12:44	PP074501.D	10.44	4.66
AR1242ICC050	AR1242ICC050	08/19/2025	13:00	PP074502.D	10.44	4.66
AR1248ICC1000	AR1248ICC1000	08/19/2025	13:16	PP074503.D	10.44	4.66
AR1248ICC750	AR1248ICC750	08/19/2025	13:33	PP074504.D	10.44	4.66
AR1248ICC500	AR1248ICC500	08/19/2025	13:49	PP074505.D	10.44	4.66
AR1248ICC250	AR1248ICC250	08/19/2025	14:05	PP074506.D	10.44	4.66
AR1248ICC050	AR1248ICC050	08/19/2025	14:21	PP074507.D	10.44	4.66
AR1254ICC1000	AR1254ICC1000	08/19/2025	14:37	PP074508.D	10.44	4.66
AR1254ICC750	AR1254ICC750	08/19/2025	14:53	PP074509.D	10.44	4.66
AR1254ICC500	AR1254ICC500	08/19/2025	15:10	PP074510.D	10.44	4.66
AR1254ICC250	AR1254ICC250	08/19/2025	15:42	PP074511.D	10.44	4.66
AR1254ICC050	AR1254ICC050	08/19/2025	15:58	PP074512.D	10.44	4.66
AR1262ICC500	AR1262ICC500	08/19/2025	16:14	PP074513.D	10.44	4.66
AR1268ICC1000	AR1268ICC1000	08/19/2025	16:31	PP074514.D	10.43	4.66
AR1268ICC750	AR1268ICC750	08/19/2025	16:47	PP074515.D	10.44	4.66
AR1268ICC500	AR1268ICC500	08/19/2025	17:03	PP074516.D	10.43	4.66
AR1268ICC250	AR1268ICC250	08/19/2025	17:19	PP074517.D	10.44	4.66
AR1268ICC050	AR1268ICC050	08/19/2025	17:36	PP074518.D	10.43	4.66
AR1660CCC500	AR1660CCC500	08/23/2025	01:22	PP074607.D	10.44	4.66
I.BLK	I.BLK	08/23/2025	02:27	PP074611.D	10.44	4.66
PB169361BL	PB169361BL	08/23/2025	02:43	PP074612.D	10.43	4.66
PB169361BS	PB169361BS	08/23/2025	02:59	PP074613.D	10.44	4.66
PB169361BSD	PB169361BSD	08/23/2025	03:16	PP074614.D	10.44	4.66
ENV-SW03	Q2934-03	08/23/2025	03:32	PP074615.D	10.43	4.66
ENV-SW04	Q2934-04	08/23/2025	03:48	PP074616.D	10.44	4.66
AR1660CCC500	AR1660CCC500	08/23/2025	05:26	PP074619.D	10.43	4.66
I.BLK	I.BLK	08/23/2025	07:20	PP074623.D	10.43	4.66

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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 08/18/2025 08/18/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	08/18/2025	09:34	PO113002.D	8.63	3.66
AR1660ICC1000	AR1660ICC1000	08/18/2025	09:53	PO113003.D	8.63	3.66
AR1660ICC750	AR1660ICC750	08/18/2025	10:11	PO113004.D	8.63	3.66
AR1660ICC500	AR1660ICC500	08/18/2025	10:29	PO113005.D	8.63	3.66
AR1660ICC250	AR1660ICC250	08/18/2025	10:48	PO113006.D	8.63	3.66
AR1660ICC050	AR1660ICC050	08/18/2025	11:06	PO113007.D	8.63	3.65
AR1221ICC500	AR1221ICC500	08/18/2025	11:25	PO113008.D	8.63	3.66
AR1232ICC500	AR1232ICC500	08/18/2025	11:43	PO113009.D	8.63	3.66
AR1242ICC1000	AR1242ICC1000	08/18/2025	12:01	PO113010.D	8.63	3.66
AR1242ICC750	AR1242ICC750	08/18/2025	12:20	PO113011.D	8.63	3.66
AR1242ICC500	AR1242ICC500	08/18/2025	12:38	PO113012.D	8.63	3.66
AR1242ICC250	AR1242ICC250	08/18/2025	12:57	PO113013.D	8.63	3.66
AR1242ICC050	AR1242ICC050	08/18/2025	13:15	PO113014.D	8.63	3.66
AR1248ICC1000	AR1248ICC1000	08/18/2025	13:34	PO113015.D	8.63	3.66
AR1248ICC750	AR1248ICC750	08/18/2025	13:52	PO113016.D	8.63	3.66
AR1248ICC500	AR1248ICC500	08/18/2025	14:09	PO113017.D	8.63	3.66
AR1248ICC250	AR1248ICC250	08/18/2025	14:28	PO113018.D	8.63	3.66
AR1248ICC050	AR1248ICC050	08/18/2025	14:46	PO113019.D	8.63	3.66
AR1254ICC1000	AR1254ICC1000	08/18/2025	15:05	PO113020.D	8.63	3.66
AR1254ICC750	AR1254ICC750	08/18/2025	15:23	PO113021.D	8.63	3.66
AR1254ICC500	AR1254ICC500	08/18/2025	15:41	PO113022.D	8.63	3.66
AR1254ICC250	AR1254ICC250	08/18/2025	16:00	PO113023.D	8.63	3.66
AR1254ICC050	AR1254ICC050	08/18/2025	16:18	PO113024.D	8.63	3.66
AR1262ICC500	AR1262ICC500	08/18/2025	16:54	PO113025.D	8.63	3.66
AR1268ICC1000	AR1268ICC1000	08/18/2025	17:12	PO113026.D	8.63	3.66
AR1268ICC750	AR1268ICC750	08/18/2025	17:30	PO113027.D	8.63	3.66
AR1268ICC500	AR1268ICC500	08/18/2025	17:48	PO113028.D	8.63	3.66
AR1268ICC250	AR1268ICC250	08/18/2025	18:06	PO113029.D	8.63	3.66
AR1268ICC050	AR1268ICC050	08/18/2025	18:24	PO113030.D	8.63	3.66
AR1660CCC500	AR1660CCC500	08/22/2025	20:14	PO113193.D	8.63	3.66
I.BLK	I.BLK	08/22/2025	22:23	PO113197.D	8.62	3.65
ENV-SW01	Q2934-01	08/23/2025	01:06	PO113206.D	8.62	3.65
ENV-SW02	Q2934-02	08/23/2025	01:25	PO113207.D	8.62	3.65
AR1660CCC500	AR1660CCC500	08/23/2025	02:39	PO113208.D	8.63	3.65
I.BLK	I.BLK	08/23/2025	04:29	PO113212.D	8.62	3.65
I.BLK	I.BLK	08/19/2025	09:46	PP074490.D	8.81	3.80
AR1660ICC1000	AR1660ICC1000	08/19/2025	10:02	PP074491.D	8.81	3.80
AR1660ICC750	AR1660ICC750	08/19/2025	10:18	PP074492.D	8.82	3.80
AR1660ICC500	AR1660ICC500	08/19/2025	10:34	PP074493.D	8.82	3.80
AR1660ICC250	AR1660ICC250	08/19/2025	10:51	PP074494.D	8.81	3.80
AR1660ICC050	AR1660ICC050	08/19/2025	11:07	PP074495.D	8.82	3.80
AR1221ICC500	AR1221ICC500	08/19/2025	11:23	PP074496.D	8.82	3.80

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Analytical Sequence

AR1232ICC500	AR1232ICC500	08/19/2025	11:39	PP074497.D	8.82	3.80
AR1242ICC1000	AR1242ICC1000	08/19/2025	11:55	PP074498.D	8.82	3.80
AR1242ICC750	AR1242ICC750	08/19/2025	12:12	PP074499.D	8.82	3.80
AR1242ICC500	AR1242ICC500	08/19/2025	12:28	PP074500.D	8.81	3.80
AR1242ICC250	AR1242ICC250	08/19/2025	12:44	PP074501.D	8.82	3.80
AR1242ICC050	AR1242ICC050	08/19/2025	13:00	PP074502.D	8.82	3.80
AR1248ICC1000	AR1248ICC1000	08/19/2025	13:16	PP074503.D	8.82	3.80
AR1248ICC750	AR1248ICC750	08/19/2025	13:33	PP074504.D	8.82	3.80
AR1248ICC500	AR1248ICC500	08/19/2025	13:49	PP074505.D	8.82	3.80
AR1248ICC250	AR1248ICC250	08/19/2025	14:05	PP074506.D	8.82	3.80
AR1248ICC050	AR1248ICC050	08/19/2025	14:21	PP074507.D	8.82	3.80
AR1254ICC1000	AR1254ICC1000	08/19/2025	14:37	PP074508.D	8.82	3.80
AR1254ICC750	AR1254ICC750	08/19/2025	14:53	PP074509.D	8.82	3.80
AR1254ICC500	AR1254ICC500	08/19/2025	15:10	PP074510.D	8.82	3.80
AR1254ICC250	AR1254ICC250	08/19/2025	15:42	PP074511.D	8.82	3.80
AR1254ICC050	AR1254ICC050	08/19/2025	15:58	PP074512.D	8.81	3.80
AR1262ICC500	AR1262ICC500	08/19/2025	16:14	PP074513.D	8.82	3.80
AR1268ICC1000	AR1268ICC1000	08/19/2025	16:31	PP074514.D	8.81	3.80
AR1268ICC750	AR1268ICC750	08/19/2025	16:47	PP074515.D	8.82	3.80
AR1268ICC500	AR1268ICC500	08/19/2025	17:03	PP074516.D	8.81	3.80
AR1268ICC250	AR1268ICC250	08/19/2025	17:19	PP074517.D	8.82	3.80
AR1268ICC050	AR1268ICC050	08/19/2025	17:36	PP074518.D	8.81	3.80
AR1660CCC500	AR1660CCC500	08/23/2025	01:22	PP074607.D	8.81	3.80
I.BLK	I.BLK	08/23/2025	02:27	PP074611.D	8.81	3.80
PB169361BL	PB169361BL	08/23/2025	02:43	PP074612.D	8.81	3.80
PB169361BS	PB169361BS	08/23/2025	02:59	PP074613.D	8.81	3.80
PB169361BSD	PB169361BSD	08/23/2025	03:16	PP074614.D	8.81	3.80
ENV-SW03	Q2934-03	08/23/2025	03:32	PP074615.D	8.81	3.80
ENV-SW04	Q2934-04	08/23/2025	03:48	PP074616.D	8.82	3.80
AR1660CCC500	AR1660CCC500	08/23/2025	05:26	PP074619.D	8.81	3.80
I.BLK	I.BLK	08/23/2025	07:20	PP074623.D	8.81	3.80

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB169361BS

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2934

Lab Sample ID: PB169361BS Date(s) Analyzed: 08/23/2025 08/23/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP074613.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.811	5.761	5.861	4.40		
	2	5.832	5.782	5.882	4.65		
	3	5.895	5.845	5.945	4.24		
COLUMN 1	4	5.992	5.942	6.042	4.45		
	5	6.284	6.234	6.334	4.53	4.50	
	1	4.901	4.851	4.951	4.18		
	2	4.959	4.909	5.009	4.01		
	3	5.079	5.029	5.129	3.87		
	4	5.12	5.07	5.17	3.81		
COLUMN 2	5	5.334	5.284	5.384	3.64	3.90	14.29
Aroclor-1260	1	7.401	7.351	7.451	4.49		
	2	7.654	7.604	7.704	4.41		
	3	8.011	7.961	8.061	4.04		
COLUMN 1	4	8.238	8.188	8.288	4.53		
	5	8.565	8.515	8.615	3.86	4.30	
	1	6.363	6.313	6.413	4.23		
	2	6.549	6.499	6.599	4.10		
	3	6.704	6.654	6.754	3.77		
	4	7.173	7.123	7.223	3.33		
COLUMN 2	5	7.412	7.362	7.462	3.26	3.70	15

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB169361BSD

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2934

Lab Sample ID: PB169361BSD Date(s) Analyzed: 08/23/2025 08/23/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP074614.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.81	5.76	5.86	4.42		
	2	5.831	5.781	5.881	4.59		
	3	5.894	5.844	5.944	4.26		
COLUMN 1	4	5.991	5.941	6.041	4.46		
	5	6.284	6.234	6.334	4.75	4.50	
	1	4.9	4.85	4.95	4.10		
	2	4.959	4.909	5.009	3.99		
	3	5.078	5.028	5.128	3.75		
	4	5.119	5.069	5.169	4.20		
COLUMN 2	5	5.333	5.283	5.383	3.73	4.00	11.76
Aroclor-1260	1	7.401	7.351	7.451	4.99		
	2	7.653	7.603	7.703	4.90		
	3	8.011	7.961	8.061	4.14		
COLUMN 1	4	8.238	8.188	8.288	5.09		
	5	8.564	8.514	8.614	3.94	4.60	
	1	6.362	6.312	6.412	5.07		
	2	6.548	6.498	6.598	4.71		
	3	6.703	6.653	6.753	4.28		
	4	7.172	7.122	7.222	3.82		
COLUMN 2	5	7.411	7.361	7.461	3.46	4.30	6.74

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO082225\
Data File : PO113206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 01:06
Operator : YP/AJ
Sample : Q2934-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ENV-SW01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 02:14:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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...	3.661	3.654	91129931	56235157	11.132	11.112
2)	SA Decachlor...	8.678	8.623	53015214	14970096	7.649	7.900
	Target Compounds						

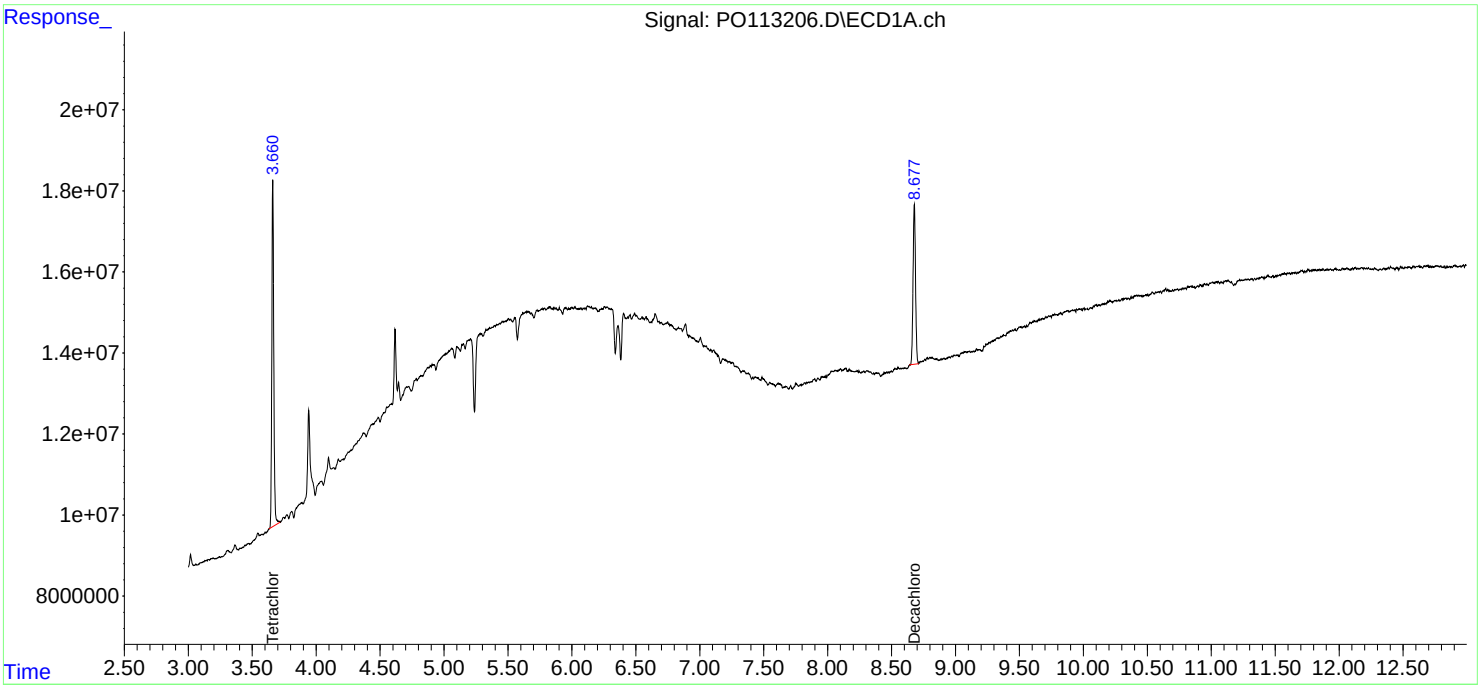
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

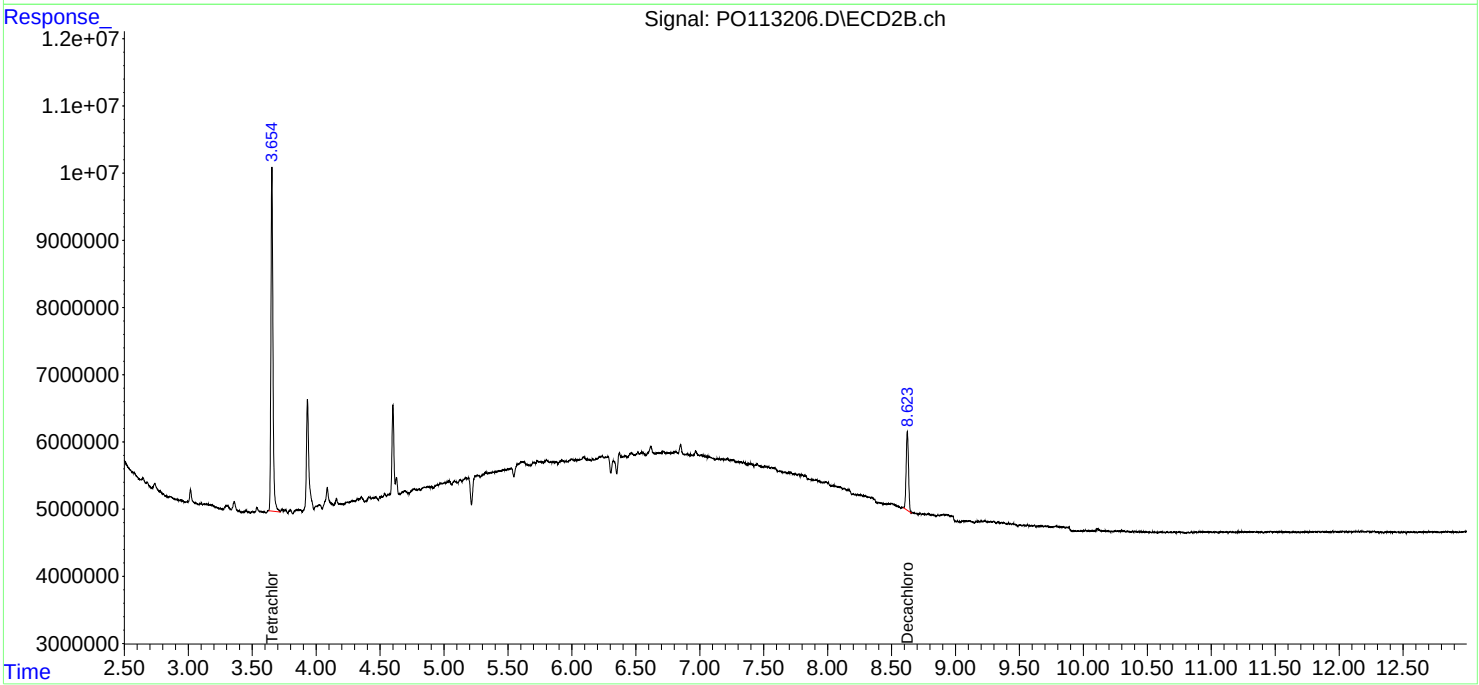
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO082225\
Data File : PO113206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 01:06
Operator : YP/AJ
Sample : Q2934-01
Misc :
ALS Vial : 35 Sample Multiplier: 1

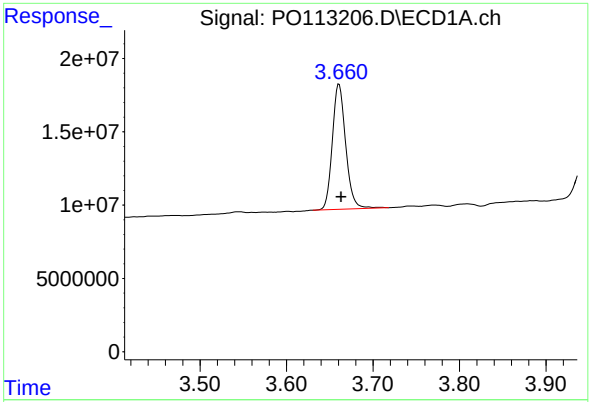
Instrument :
ECD_O
ClientSampleId :
ENV-SW01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 02:14:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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



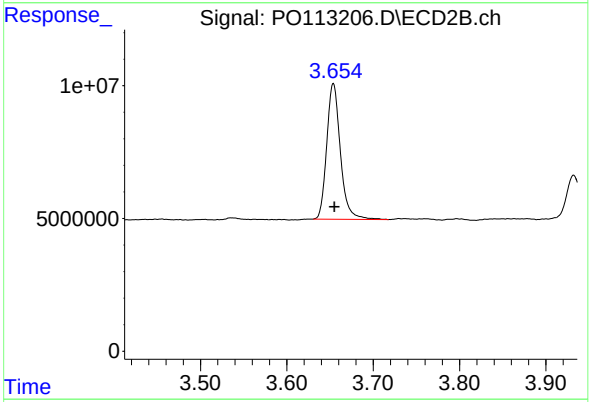




#1 Tetrachloro-m-xylene

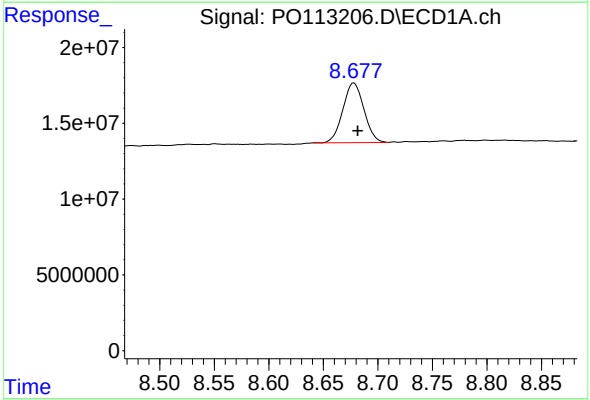
R.T.: 3.661 min
Delta R.T.: -0.002 min
Response: 91129931
Conc: 11.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
ENV-SW01



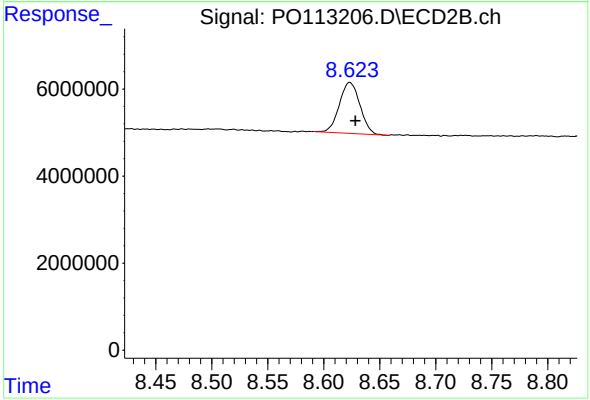
#1 Tetrachloro-m-xylene

R.T.: 3.654 min
Delta R.T.: 0.000 min
Response: 56235157
Conc: 11.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.678 min
Delta R.T.: -0.004 min
Response: 53015214
Conc: 7.65 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.623 min
Delta R.T.: -0.005 min
Response: 14970096
Conc: 7.90 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO082225\
Data File : PO113207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 01:25
Operator : YP/AJ
Sample : Q2934-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ENV-SW02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 02:15:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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...	3.663	3.654	90205396	54520128	11.019	10.773
2)	SA Decachlor...	8.679	8.624	59105043	16924392	8.527	8.932
	Target Compounds						

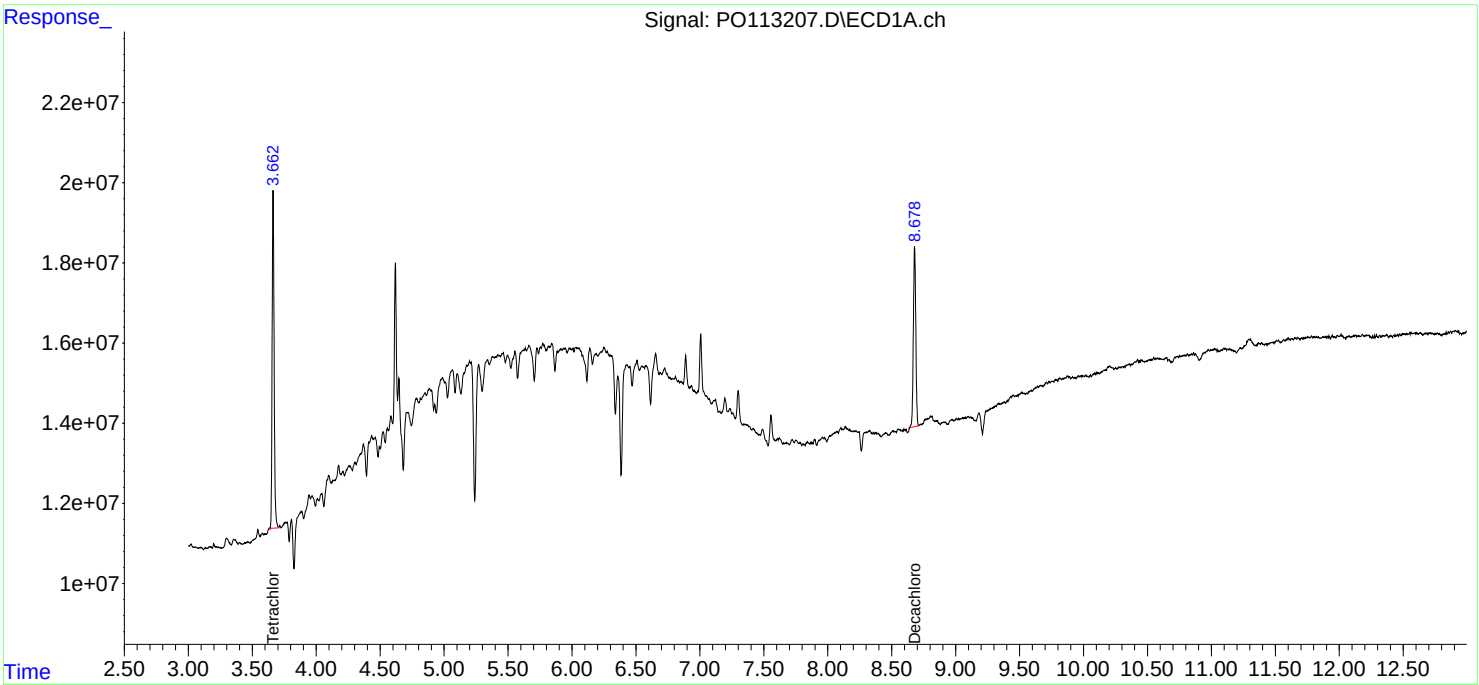
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

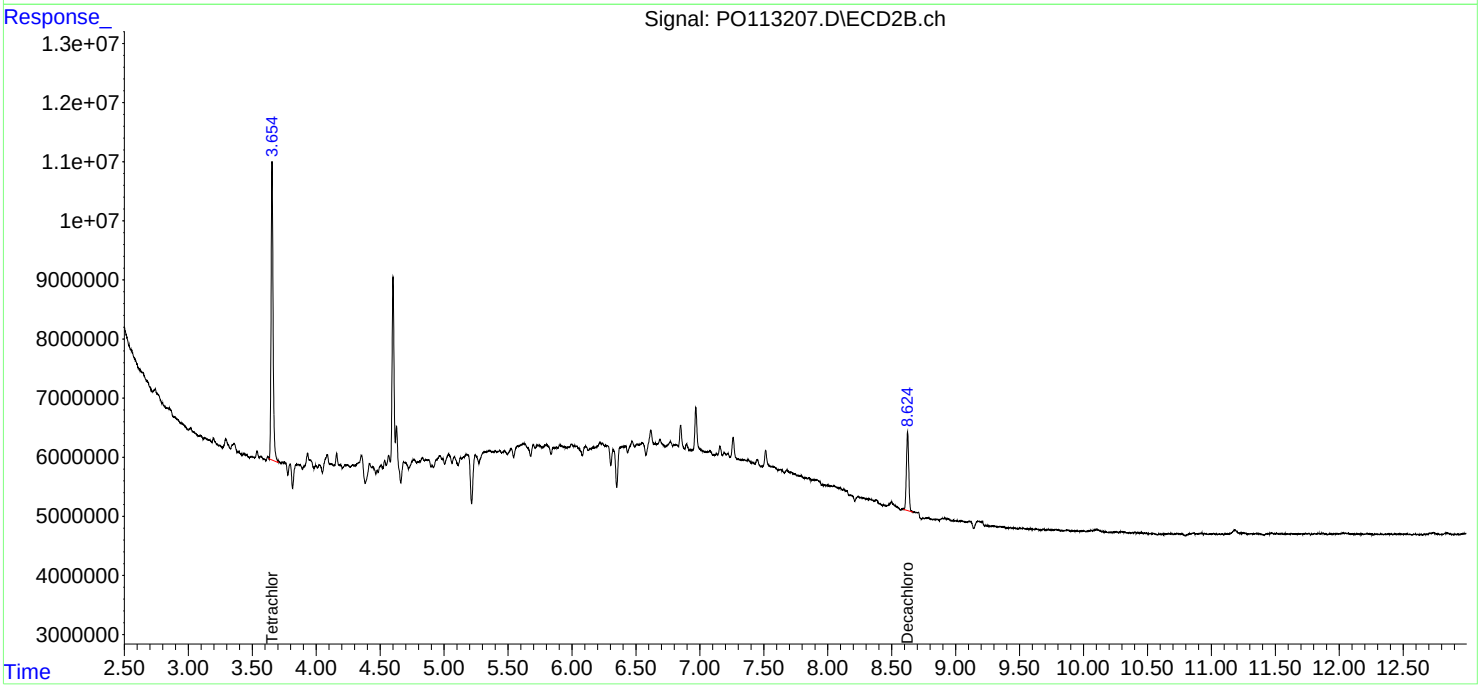
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO082225\
Data File : PO113207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 01:25
Operator : YP/AJ
Sample : Q2934-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

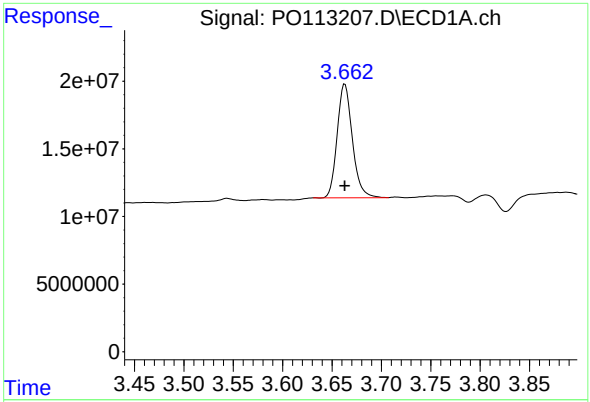
Instrument :
ECD_O
ClientSampleId :
ENV-SW02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 02:15:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO081825.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Aug 19 06:08:32 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



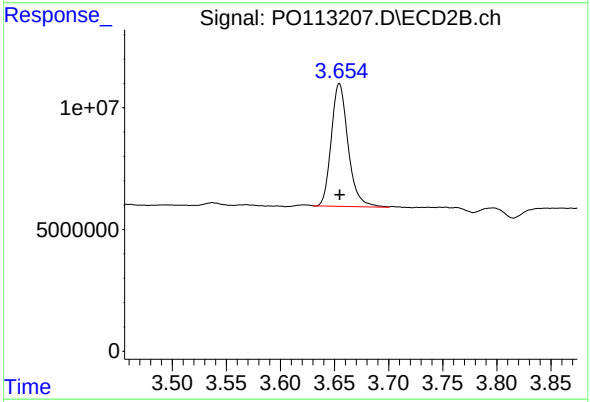




#1 Tetrachloro-m-xylene

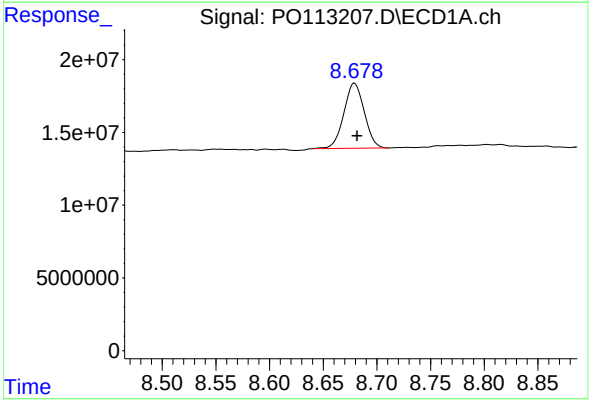
R.T.: 3.663 min
Delta R.T.: 0.000 min
Response: 90205396
Conc: 11.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
ENV-SW02



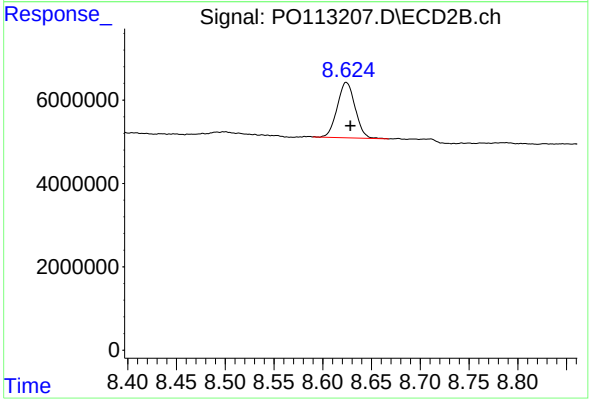
#1 Tetrachloro-m-xylene

R.T.: 3.654 min
Delta R.T.: 0.000 min
Response: 54520128
Conc: 10.77 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.679 min
Delta R.T.: -0.002 min
Response: 59105043
Conc: 8.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.624 min
Delta R.T.: -0.004 min
Response: 16924392
Conc: 8.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 03:32
Operator : YP\AJ
Sample : Q2934-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ENV-SW03

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:40:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.656	3.797	14759261	47297411	12.061	9.781m
2)	SA Decachlor...	10.431	8.809	9791086	50161996	9.915	6.689 #
	Target Compounds						

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

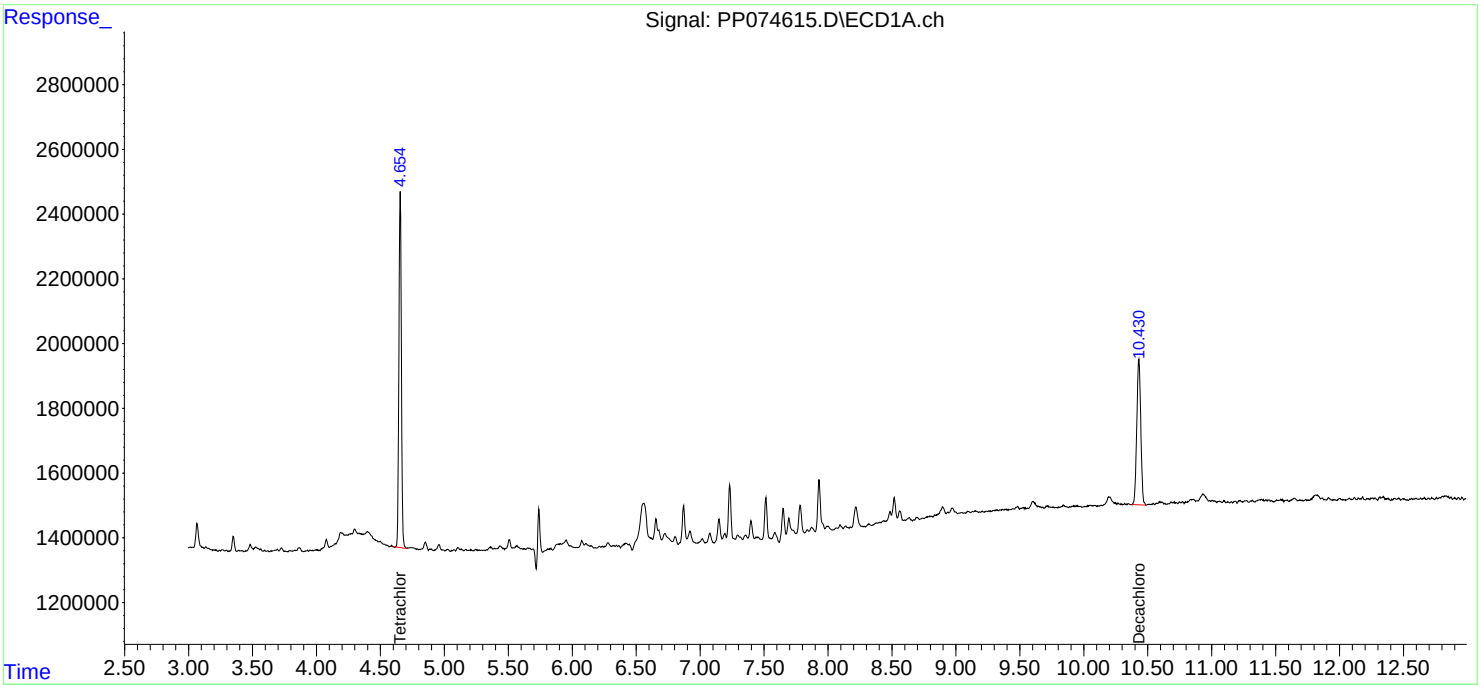
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074615.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 03:32
Operator : YP\AJ
Sample : Q2934-03
Misc :
ALS Vial : 40 Sample Multiplier: 1

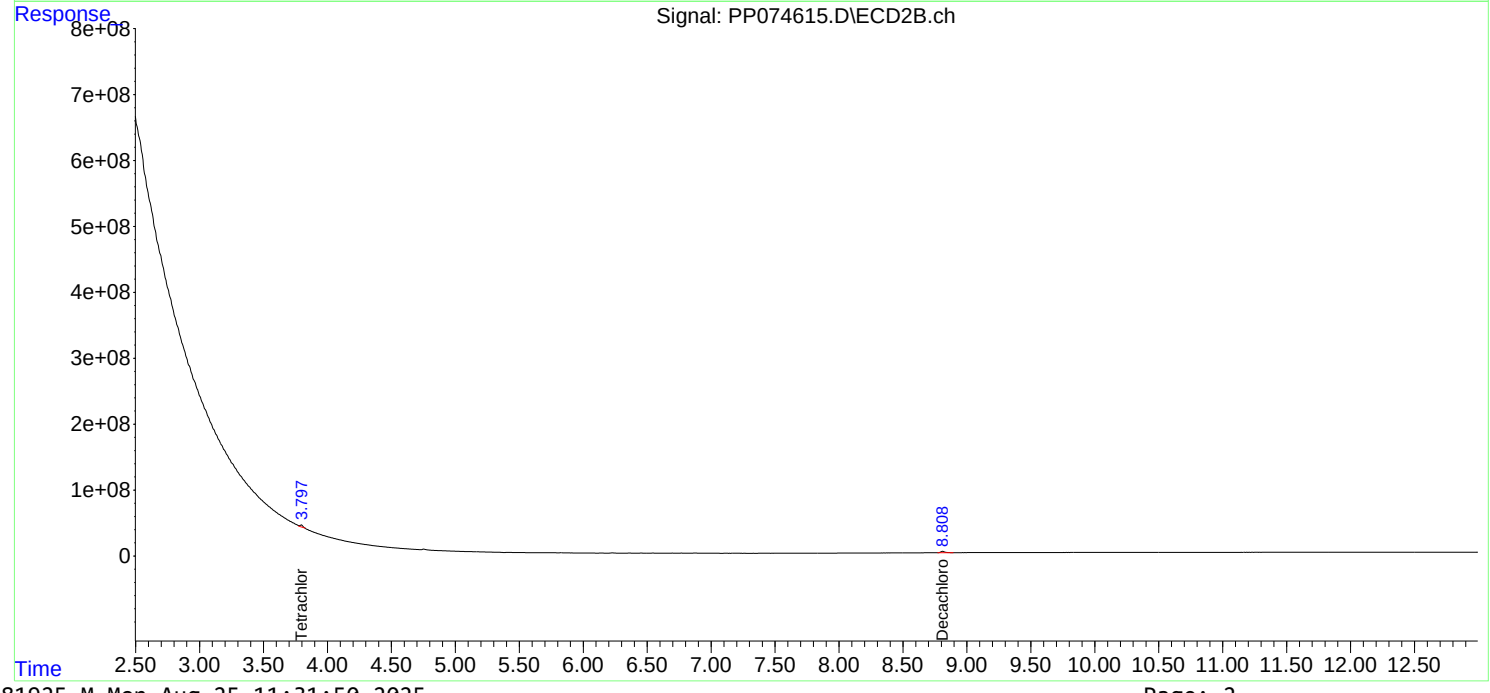
Instrument :
ECD_P
ClientSampleId :
ENV-SW03

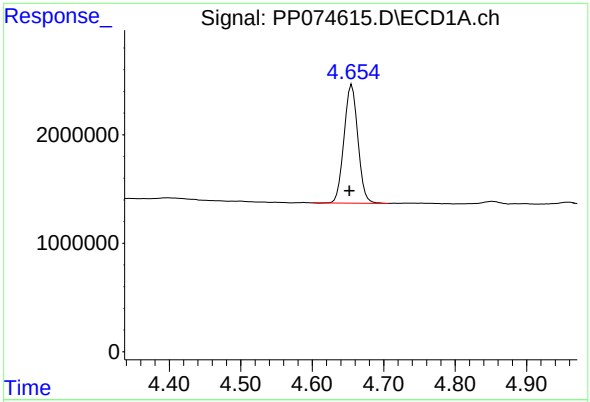
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:40:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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







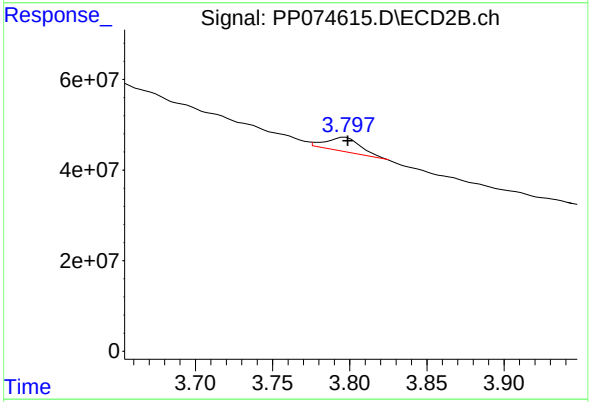
#1 Tetrachloro-m-xylene

R.T.: 4.656 min
Delta R.T.: 0.004 min
Response: 14759261
Conc: 12.06 ng/ml

Instrument :
ECD_P
ClientSampleId :
ENV-SW03

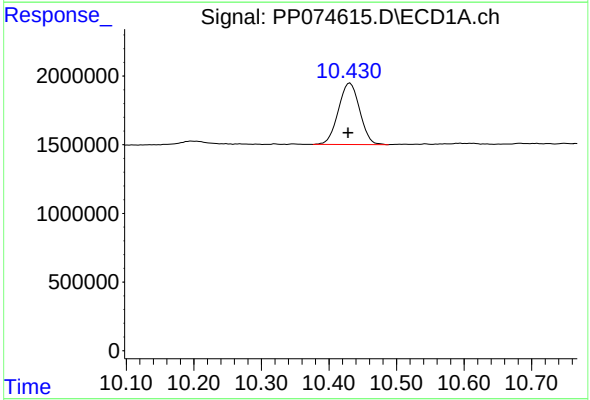
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025



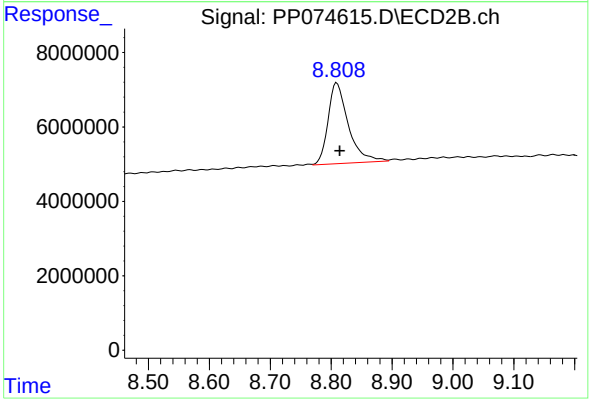
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: -0.001 min
Response: 47297411
Conc: 9.78 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.431 min
Delta R.T.: 0.003 min
Response: 9791086
Conc: 9.91 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.809 min
Delta R.T.: -0.005 min
Response: 50161996
Conc: 6.69 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 03:48
Operator : YP\AJ
Sample : Q2934-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ENV-SW04

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:40:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.659	3.803	9725833	28739039	7.948m	5.943m#
2)	SA Decachlor...	10.438	8.815	6955632	35758768	7.044	4.768 #
	Target Compounds						

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

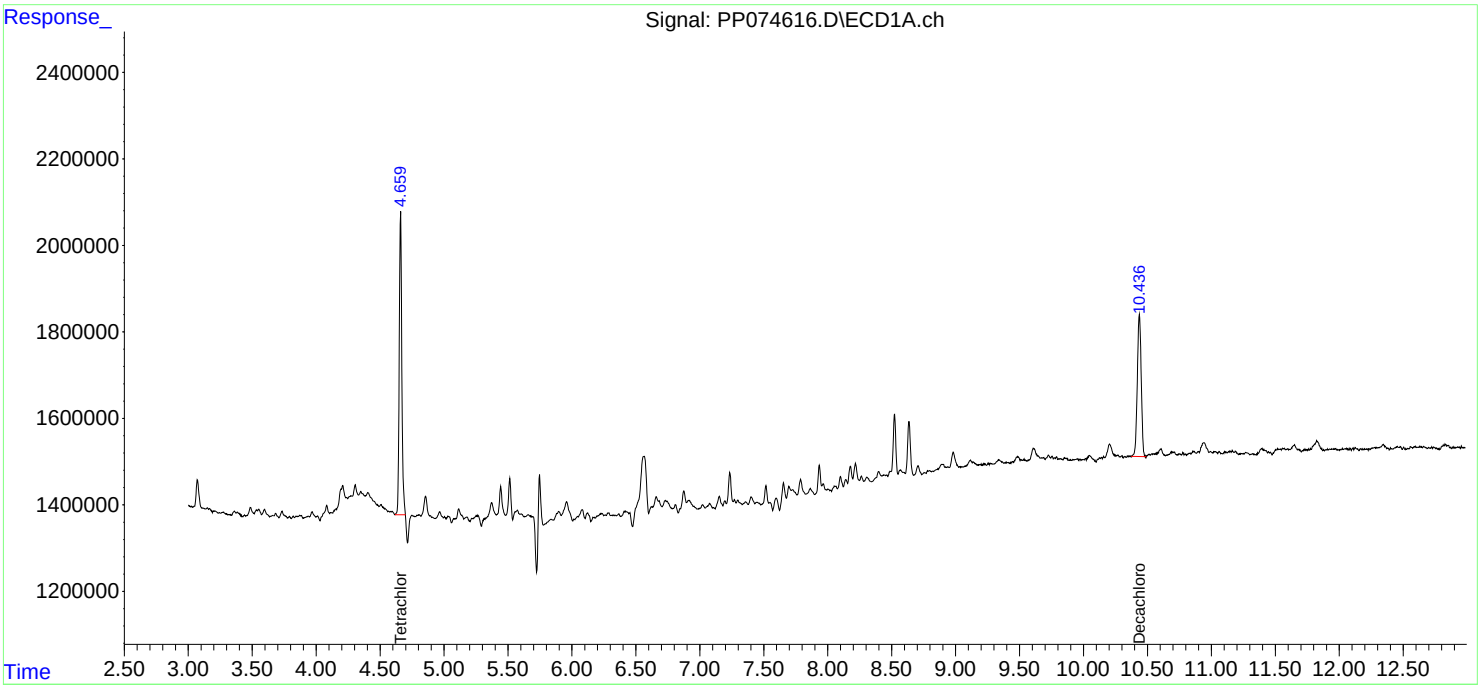
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074616.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 03:48
Operator : YP\AJ
Sample : Q2934-04
Misc :
ALS Vial : 41 Sample Multiplier: 1

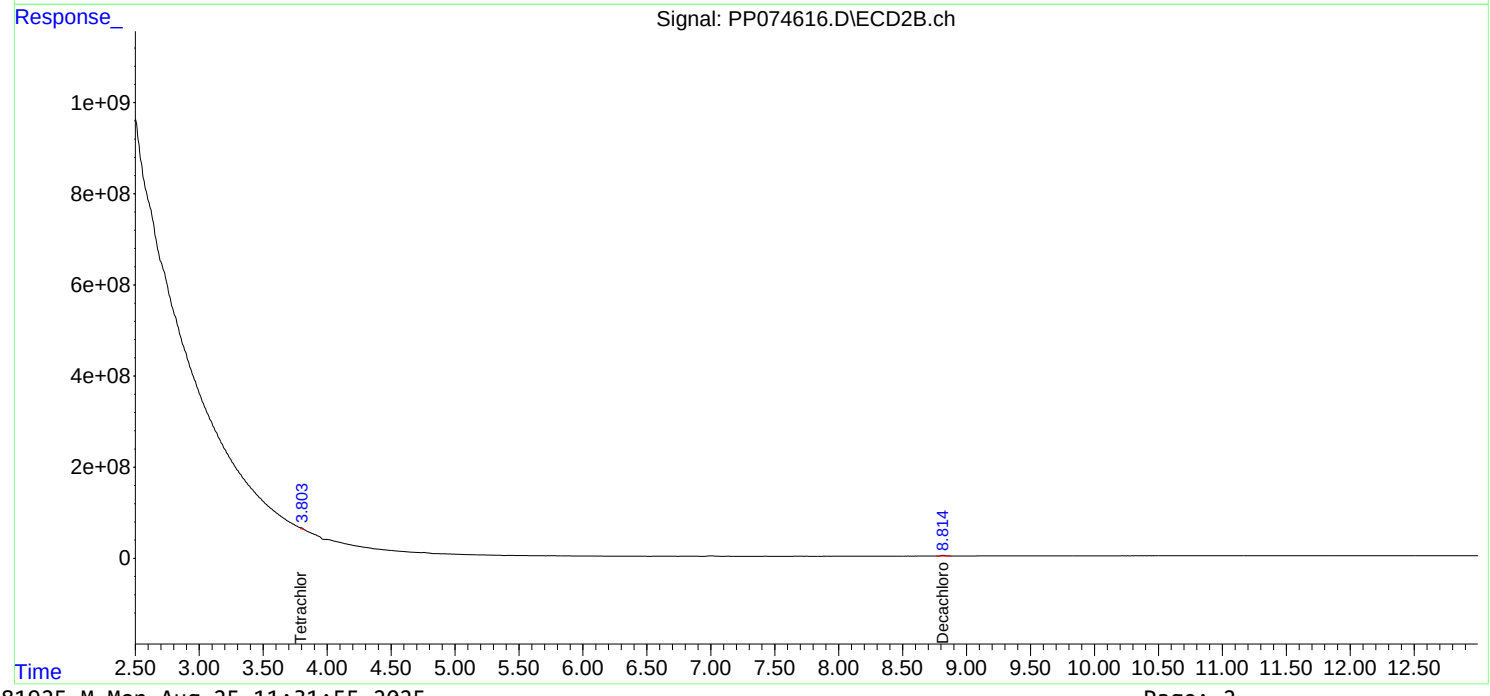
Instrument :
ECD_P
ClientSampleId :
ENV-SW04

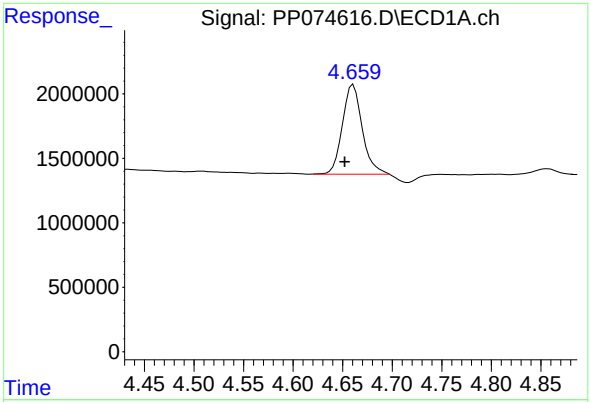
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:40:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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







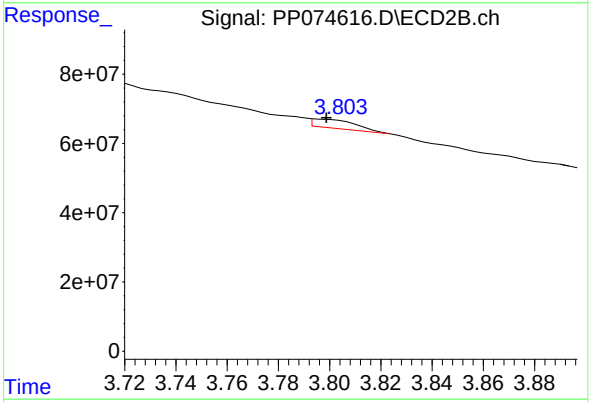
#1 Tetrachloro-m-xylene

R.T.: 4.659 min
Delta R.T.: 0.007 min
Response: 9725833
Conc: 7.95 ng/ml

Instrument :
ECD_P
ClientSampleId :
ENV-SW04

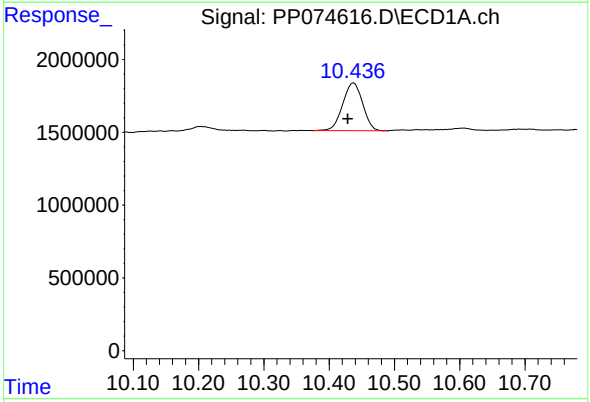
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025



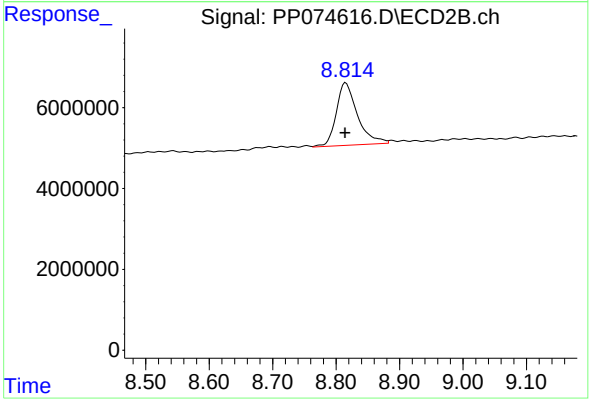
#1 Tetrachloro-m-xylene

R.T.: 3.803 min
Delta R.T.: 0.005 min
Response: 28739039
Conc: 5.94 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.438 min
Delta R.T.: 0.009 min
Response: 6955632
Conc: 7.04 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.815 min
Delta R.T.: 0.001 min
Response: 35758768
Conc: 4.77 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 02:43
Operator : YP\AJ
Sample : PB169361BL
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB169361BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:39:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.657	3.799	26984820	95813604	22.052	19.815
2)	SA Decachlor...	10.434	8.813	23080899	128.3E6	23.373	17.115 #
	Target Compounds						

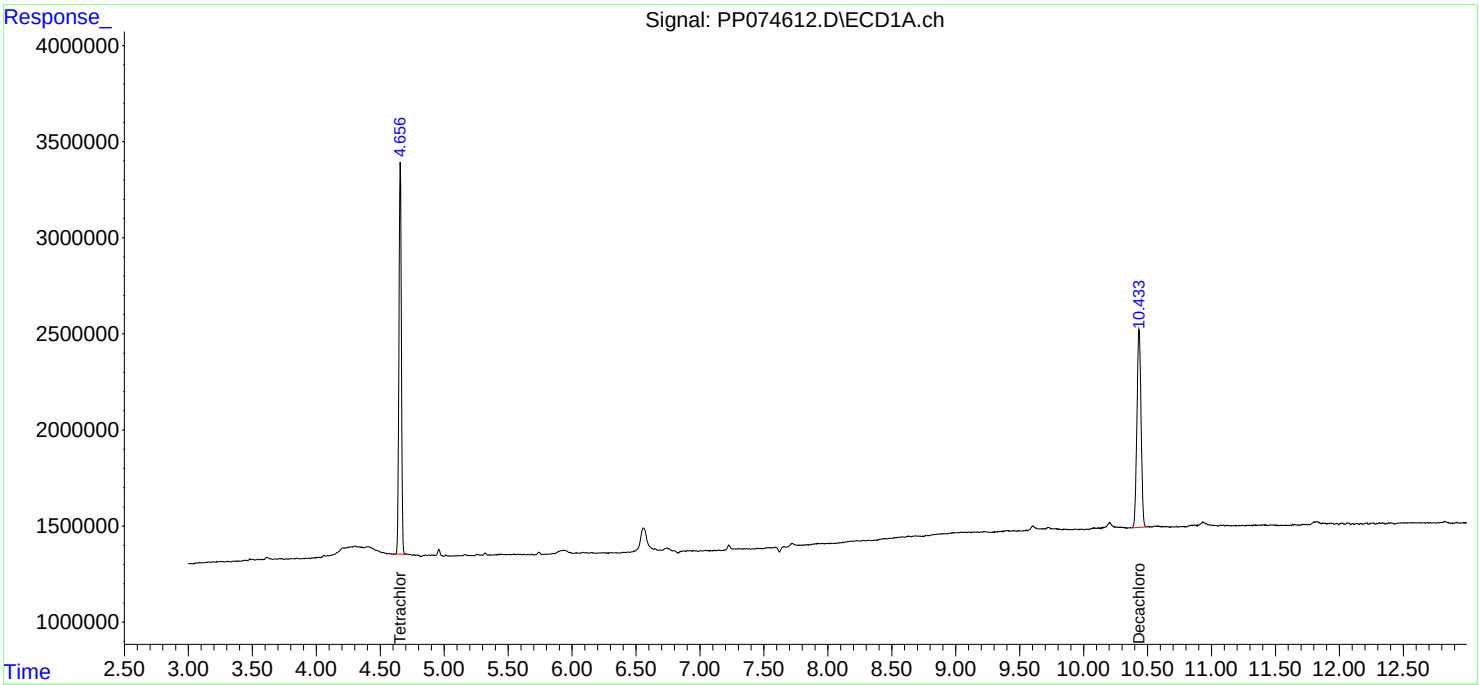
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

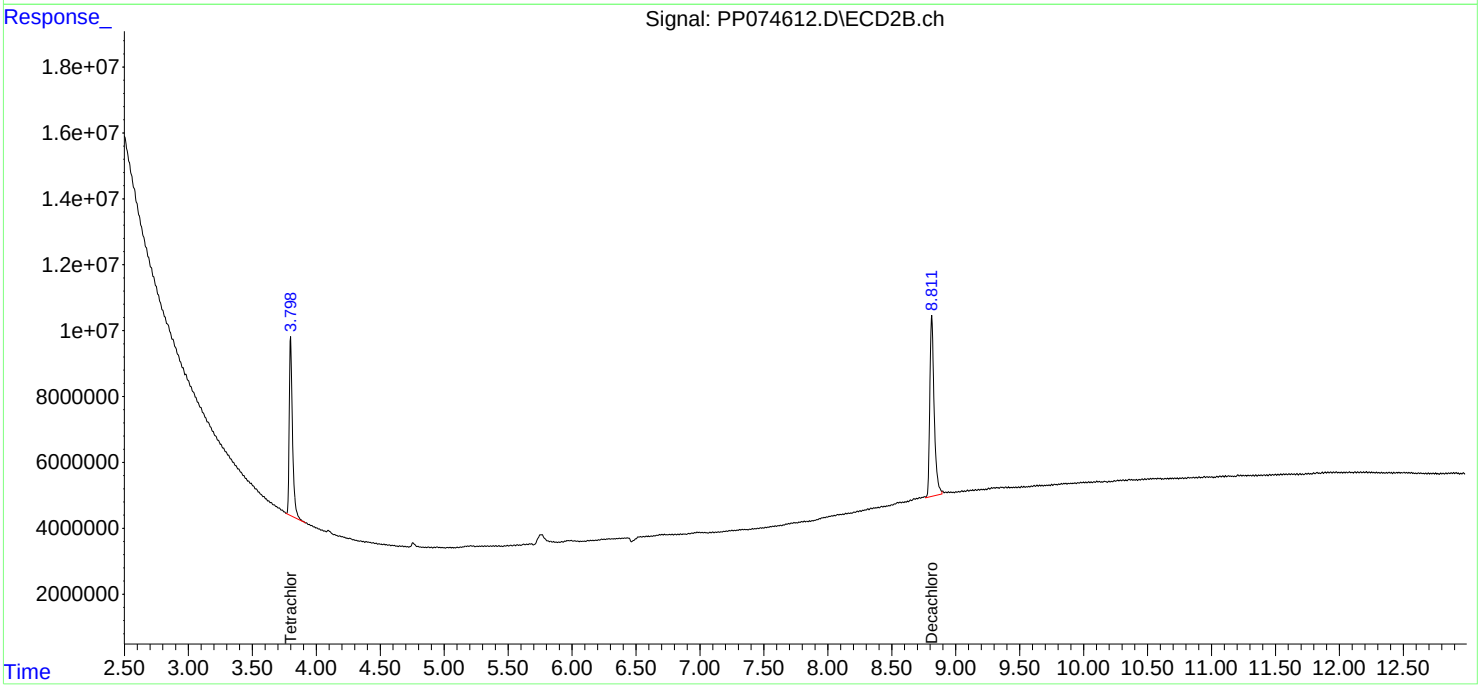
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074612.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 02:43
Operator : YP\AJ
Sample : PB169361BL
Misc :
ALS Vial : 37 Sample Multiplier: 1

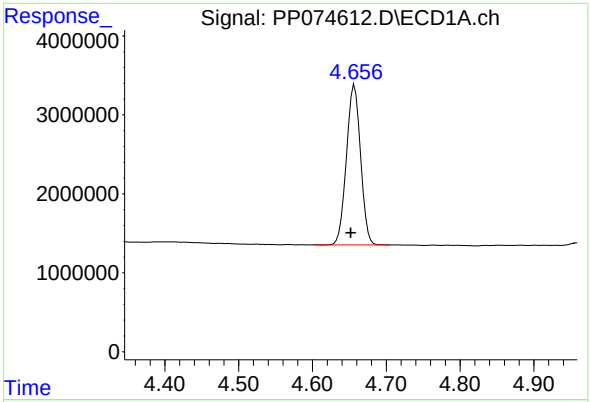
Instrument :
ECD_P
ClientSampleId :
PB169361BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:39:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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



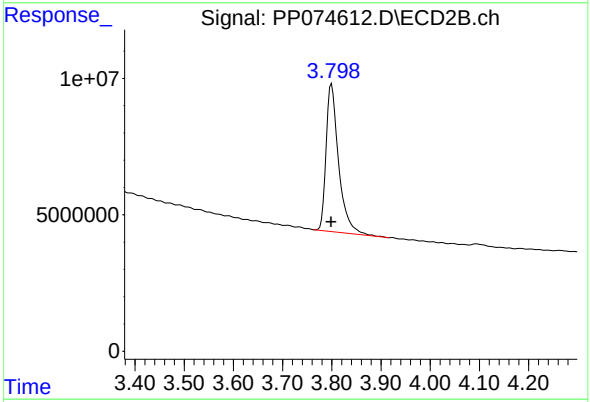




#1 Tetrachloro-m-xylene

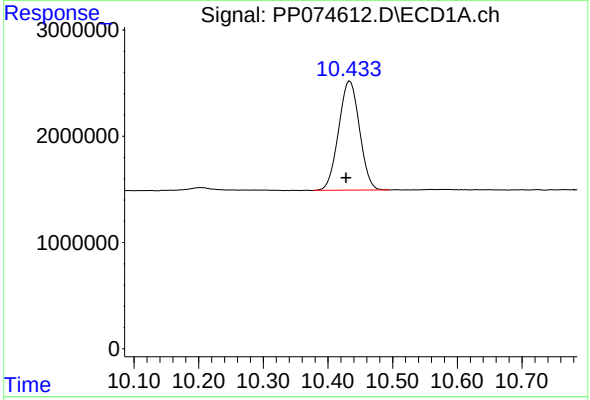
R.T.: 4.657 min
Delta R.T.: 0.005 min
Response: 26984820
Conc: 22.05 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB169361BL



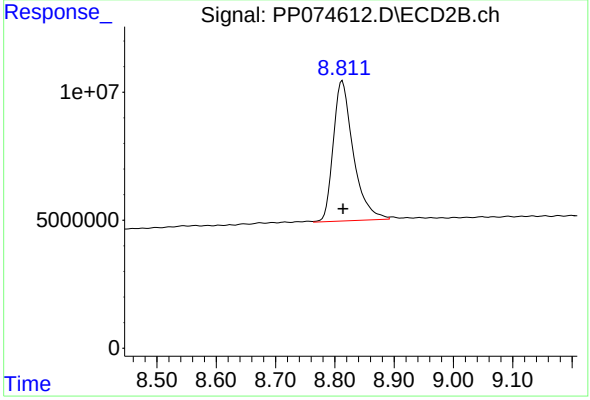
#1 Tetrachloro-m-xylene

R.T.: 3.799 min
Delta R.T.: 0.000 min
Response: 95813604
Conc: 19.81 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.434 min
Delta R.T.: 0.006 min
Response: 23080899
Conc: 23.37 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.813 min
Delta R.T.: -0.001 min
Response: 128346589
Conc: 17.11 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 02:59
Operator : YP\AJ
Sample : PB169361BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB169361BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:39:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.659	3.802	27797735	97551475	22.716	20.174
2)	SA Decachlor...	10.435	8.814	23239771	128.8E6	23.534	17.174 #
	Target Compounds						
3)	L1 AR-1016-1	5.811	4.901	19395491	212.8E6	439.918	417.809
4)	L1 AR-1016-2	5.832	4.959	29247445	95391370	465.415	400.778
5)	L1 AR-1016-3	5.895	5.079	19025870	53346459	423.607	386.839
6)	L1 AR-1016-4	5.992	5.120	15669894	53302084	445.398	381.265
7)	L1 AR-1016-5	6.284	5.334	15027130	60463074	452.814	364.053
31)	L7 AR-1260-1	7.401	6.363	25947750	158.8E6	448.849	423.270
32)	L7 AR-1260-2	7.654	6.549	30366679	216.7E6	440.624	409.779
33)	L7 AR-1260-3	8.011	6.704	20967543	163.3E6	404.113	377.188
34)	L7 AR-1260-4	8.238	7.173	28918780	127.0E6	453.324m	332.824 #
35)	L7 AR-1260-5	8.565	7.412	43724259	327.0E6	385.534	325.583

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

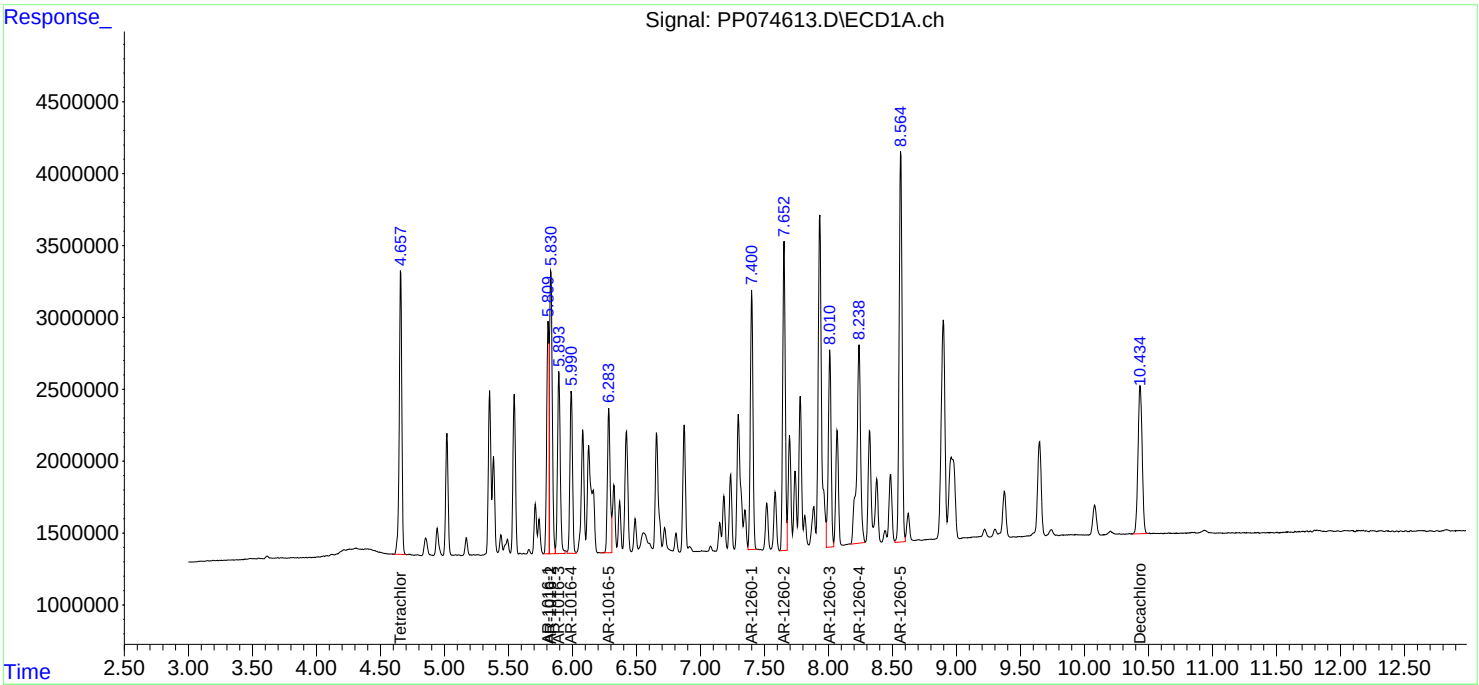
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074613.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 02:59
Operator : YP\AJ
Sample : PB169361BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

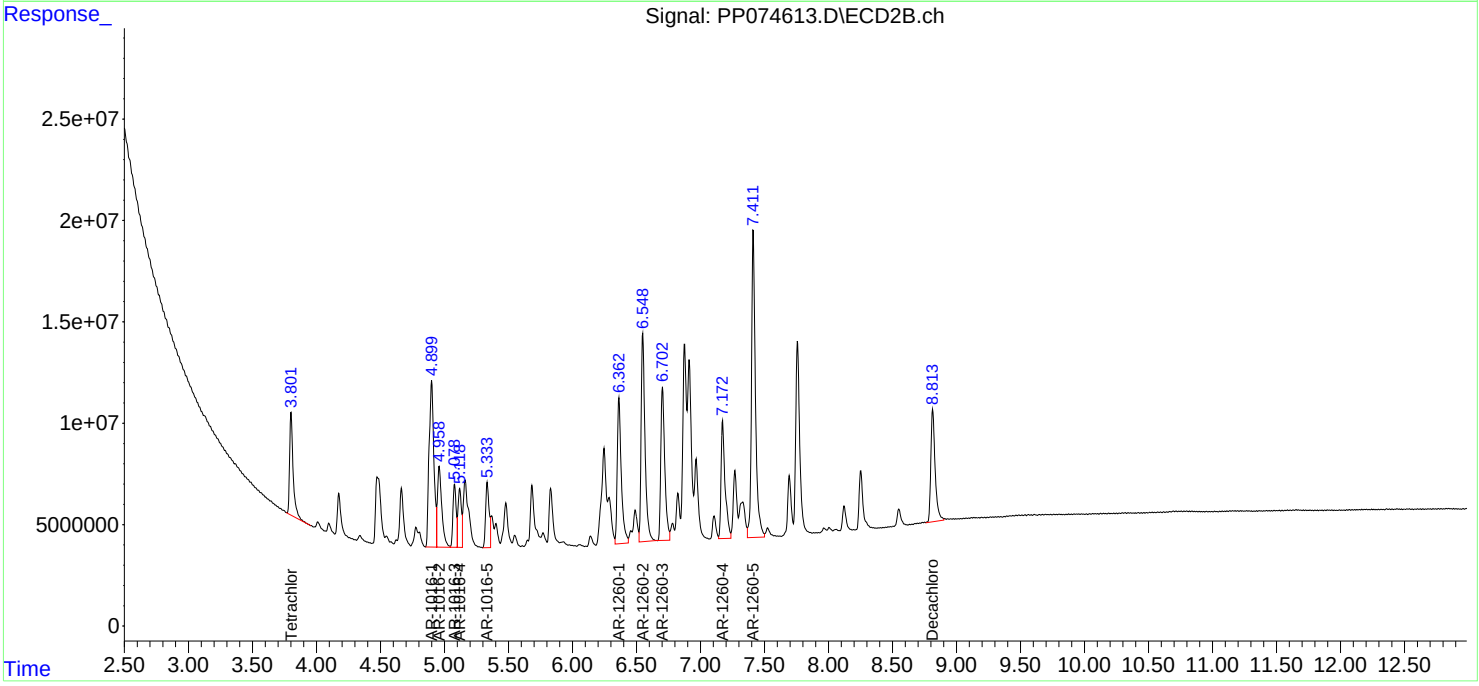
Instrument :
ECD_P
ClientSampleId :
PB169361BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/25/2025
Supervised By :mohammad ahmed 08/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:39:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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_P\Data\PP082225\
Data File : PP074614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 03:16
Operator : YP\AJ
Sample : PB169361BSD
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB169361BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:39:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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...	4.658	3.801	27376448	96521692	22.372	19.961
2)	SA Decachlor...	10.435	8.813	22893426	127.8E6	23.183	17.040 #
	Target Compounds						
3)	L1 AR-1016-1	5.810	4.900	19471222	209.0E6	441.636	410.285
4)	L1 AR-1016-2	5.831	4.959	28863549	94890714	459.306	398.675
5)	L1 AR-1016-3	5.894	5.078	19118227	51767940	425.664	375.392
6)	L1 AR-1016-4	5.991	5.119	15702351	58685719	446.320	419.774
7)	L1 AR-1016-5	6.284	5.333	15767611	61930322	475.127	372.887
31)	L7 AR-1260-1	7.401	6.362	28867089	190.1E6	499.348	506.558
32)	L7 AR-1260-2	7.653	6.548	33795629	249.0E6	490.378	470.825
33)	L7 AR-1260-3	8.011	6.703	21493470	185.4E6	414.250	428.159
34)	L7 AR-1260-4	8.238	7.172	32449407	145.8E6	508.669	382.147
35)	L7 AR-1260-5	8.564	7.411	44680404	347.1E6	393.965	345.577

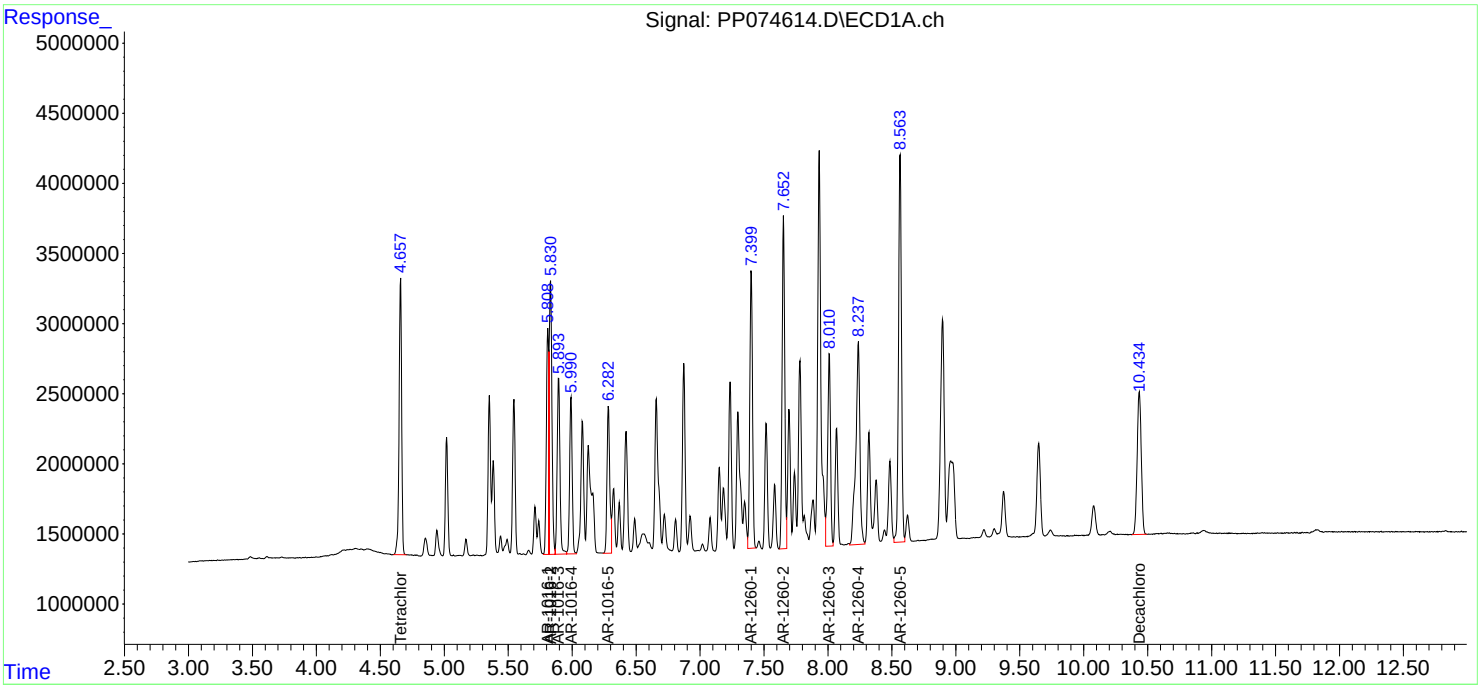
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

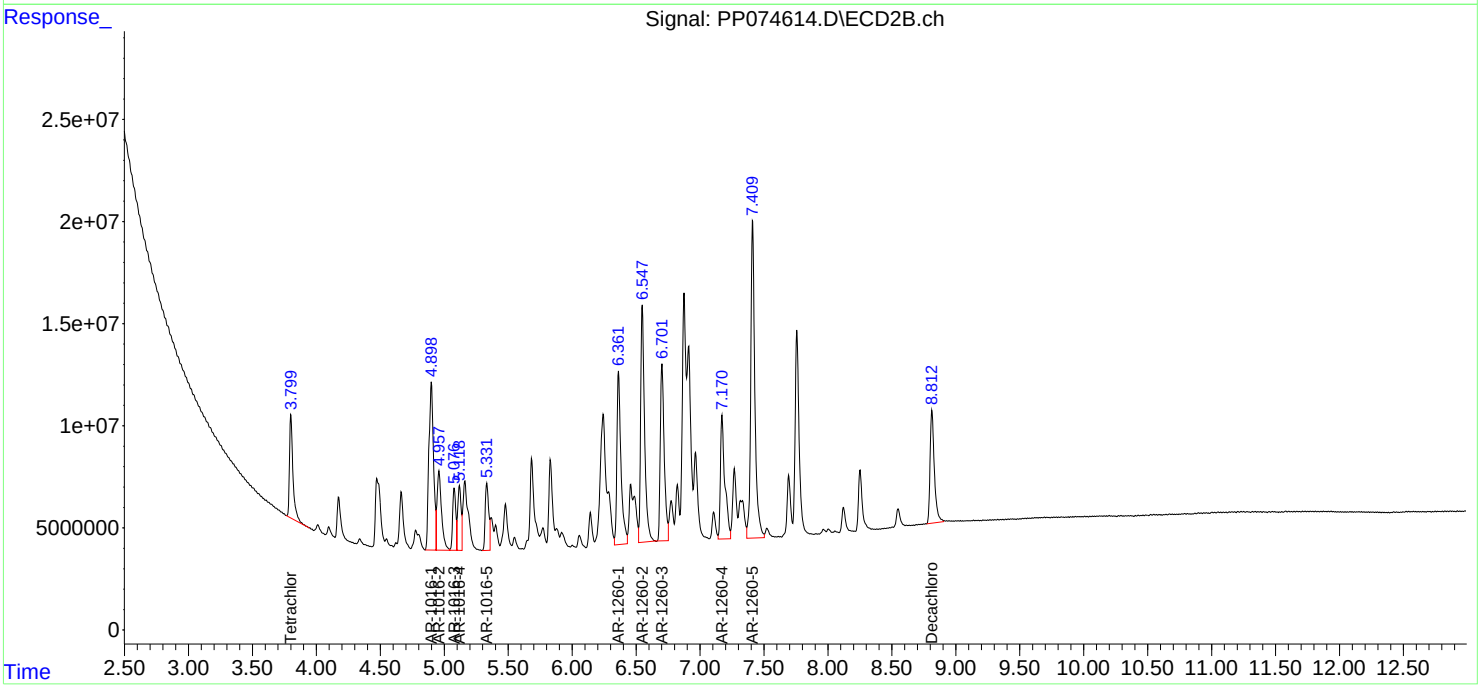
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP082225\
Data File : PP074614.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Aug 2025 03:16
Operator : YP\AJ
Sample : PB169361BSD
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB169361BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 25 05:39:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP081925.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Aug 20 06:20:44 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:	PO081825	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO113007.D	AR-1260-1	yogesh	8/19/2025 7:25:57 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1660ICC050	PO113007.D	AR-1260-2	yogesh	8/19/2025 7:25:57 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1660ICC050	PO113007.D	AR-1260-3 #2	yogesh	8/19/2025 7:25:57 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1242ICC050	PO113014.D	AR-1242-1	yogesh	8/19/2025 7:25:59 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1242ICC050	PO113014.D	AR-1242-1 #2	yogesh	8/19/2025 7:25:59 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1242ICC050	PO113014.D	AR-1242-2	yogesh	8/19/2025 7:25:59 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1242ICC050	PO113014.D	AR-1242-5	yogesh	8/19/2025 7:25:59 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1242ICC050	PO113014.D	AR-1242-5 #2	yogesh	8/19/2025 7:25:59 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1254ICC050	PO113024.D	AR-1254-1 #2	yogesh	8/19/2025 7:26:00 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1254ICC050	PO113024.D	AR-1254-2 #2	yogesh	8/19/2025 7:26:00 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1254ICC050	PO113024.D	AR-1254-3 #2	yogesh	8/19/2025 7:26:00 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1268ICC050	PO113030.D	AR-1268-5 #2	yogesh	8/19/2025 7:26:02 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software
AR1268ICV500	PO113035.D	AR-1268-5 #2	yogesh	8/19/2025 7:26:03 AM	mohammad	8/20/2025 3:04:50	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO081825	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

Manual Integration Report

Sequence:	PO082225	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PO113194.D	AR-1242-5	yogesh	8/25/2025 11:08:41 AM	mohammad	8/28/2025 2:07:49	Peak Integrated by Software
AR1248CCC500	PO113195.D	AR-1248-3	yogesh	8/25/2025 11:08:43 AM	mohammad	8/28/2025 2:07:49	Peak Integrated by Software
AR1248CCC500	PO113210.D	AR-1248-3	yogesh	8/25/2025 11:08:54 AM	mohammad	8/28/2025 2:07:49	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP081925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP074495.D	AR-1016-1	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1016-2	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1016-3	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1016-4	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1260-3	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1260-4	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1260-4 #2	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1660ICC050	PP074495.D	AR-1260-5 #2	yogesh	8/20/2025 8:01:00 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1232ICC500	PP074497.D	AR-1232-4 #2	yogesh	8/20/2025 8:01:58 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC1000	PP074498.D	AR-1242-4 #2	yogesh	8/20/2025 8:01:02 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC750	PP074499.D	AR-1242-4 #2	yogesh	8/20/2025 8:01:03 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC500	PP074500.D	AR-1242-4 #2	yogesh	8/20/2025 8:01:05 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC250	PP074501.D	AR-1242-4 #2	yogesh	8/20/2025 8:01:08 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PP074502.D	AR-1242-1	yogesh	8/20/2025 8:01:10 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC050	PP074502.D	AR-1242-2	yogesh	8/20/2025 8:01:10 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC050	PP074502.D	AR-1242-3	yogesh	8/20/2025 8:01:10 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC050	PP074502.D	AR-1242-4	yogesh	8/20/2025 8:01:10 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC050	PP074502.D	AR-1242-4 #2	yogesh	8/20/2025 8:01:10 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICC050	PP074502.D	AR-1242-5	yogesh	8/20/2025 8:01:10 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC1000	PP074503.D	AR-1248-3 #2	yogesh	8/20/2025 8:01:12 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC750	PP074504.D	AR-1248-3 #2	yogesh	8/20/2025 8:01:14 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC500	PP074505.D	AR-1248-3 #2	yogesh	8/20/2025 8:01:16 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC250	PP074506.D	AR-1248-3 #2	yogesh	8/20/2025 8:01:18 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC050	PP074507.D	AR-1248-2	yogesh	8/20/2025 8:01:20 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC050	PP074507.D	AR-1248-5	yogesh	8/20/2025 8:01:20 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICC050	PP074507.D	AR-1248-5 #2	yogesh	8/20/2025 8:01:20 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081925	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC1000	PP074508.D	AR-1254-1	yogesh	8/20/2025 8:01:25 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC1000	PP074508.D	AR-1254-5 #2	yogesh	8/20/2025 8:01:25 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC750	PP074509.D	AR-1254-1	yogesh	8/20/2025 8:01:23 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC750	PP074509.D	AR-1254-5 #2	yogesh	8/20/2025 8:01:23 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC500	PP074510.D	AR-1254-1	yogesh	8/20/2025 8:01:31 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC250	PP074511.D	AR-1254-1	yogesh	8/20/2025 8:01:33 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC050	PP074512.D	AR-1254-1	yogesh	8/20/2025 8:01:34 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICC050	PP074512.D	AR-1254-3	yogesh	8/20/2025 8:01:34 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1268ICC050	PP074518.D	Tetrachloro-m-xylene #2	yogesh	8/20/2025 8:01:36 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICV500	PP074520.D	AR-1242-4 #2	yogesh	8/20/2025 8:01:38 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1242ICV500	PP074520.D	AR-1242-5 #2	yogesh	8/20/2025 8:01:38 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1248ICV500	PP074521.D	AR-1248-3 #2	yogesh	8/20/2025 8:01:40 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software
AR1254ICV500	PP074522.D	AR-1254-1	yogesh	8/20/2025 8:01:41 AM	mohammad	8/21/2025 1:31:42	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP081925	Instrument	ECD_p

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

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Manual Integration Report

Sequence:	pp082225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP074563.D	AR-1242-4 #2	yogesh	8/25/2025 8:12:27 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1248CCC500	PP074564.D	AR-1248-3 #2	yogesh	8/25/2025 8:12:30 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1254CCC500	PP074565.D	AR-1254-1	yogesh	8/25/2025 8:12:32 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1242CCC500	PP074578.D	AR-1242-4 #2	yogesh	8/25/2025 8:12:41 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1248CCC500	PP074579.D	AR-1248-3 #2	yogesh	8/25/2025 8:12:43 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1254CCC500	PP074580.D	AR-1254-1	yogesh	8/25/2025 8:12:45 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1242CCC500	PP074593.D	AR-1242-4 #2	yogesh	8/25/2025 8:12:54 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1248CCC500	PP074594.D	AR-1248-3 #2	yogesh	8/25/2025 8:12:56 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1254CCC500	PP074595.D	AR-1254-1	yogesh	8/25/2025 8:12:57 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1242CCC500	PP074608.D	AR-1242-4 #2	yogesh	8/25/2025 8:13:08 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1248CCC500	PP074609.D	AR-1248-3 #2	yogesh	8/25/2025 8:13:10 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1254CCC500	PP074610.D	AR-1254-1	yogesh	8/25/2025 8:13:12 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
PB169361BS	PP074613.D	AR-1260-4	yogesh	8/25/2025 8:13:13 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp082225	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2934-03	PP074615.D	Tetrachloro-m-xylene #2	yogesh	8/25/2025 8:13:15 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
Q2934-04	PP074616.D	Tetrachloro-m-xylene	yogesh	8/25/2025 8:13:43 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
Q2934-04	PP074616.D	Tetrachloro-m-xylene #2	yogesh	8/25/2025 8:13:43 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1242CCC500	PP074620.D	AR-1242-4 #2	yogesh	8/25/2025 8:13:20 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1248CCC500	PP074621.D	AR-1248-3 #2	yogesh	8/25/2025 8:13:23 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software
AR1254CCC500	PP074622.D	AR-1254-1	yogesh	8/25/2025 8:13:25 AM	mohammad	8/27/2025 1:31:07	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081825

Review By	yogesh	Review On	8/18/2025 10:23:59 AM		
Supervise By	mohammad	Supervise On	8/20/2025 3:04:50 AM		
SubDirectory	PO081825	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829, PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844 ,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO113001.D	18 Aug 2025 09:16	YP/AJ	Ok
2	I.BLK	PO113002.D	18 Aug 2025 09:34	YP/AJ	Ok
3	AR1660ICC1000	PO113003.D	18 Aug 2025 09:53	YP/AJ	Ok
4	AR1660ICC750	PO113004.D	18 Aug 2025 10:11	YP/AJ	Ok
5	AR1660ICC500	PO113005.D	18 Aug 2025 10:29	YP/AJ	Ok
6	AR1660ICC250	PO113006.D	18 Aug 2025 10:48	YP/AJ	Ok
7	AR1660ICC050	PO113007.D	18 Aug 2025 11:06	YP/AJ	Ok,M
8	AR1221ICC500	PO113008.D	18 Aug 2025 11:25	YP/AJ	Ok
9	AR1232ICC500	PO113009.D	18 Aug 2025 11:43	YP/AJ	Ok
10	AR1242ICC1000	PO113010.D	18 Aug 2025 12:01	YP/AJ	Ok
11	AR1242ICC750	PO113011.D	18 Aug 2025 12:20	YP/AJ	Ok
12	AR1242ICC500	PO113012.D	18 Aug 2025 12:38	YP/AJ	Ok
13	AR1242ICC250	PO113013.D	18 Aug 2025 12:57	YP/AJ	Ok
14	AR1242ICC050	PO113014.D	18 Aug 2025 13:15	YP/AJ	Ok,M
15	AR1248ICC1000	PO113015.D	18 Aug 2025 13:34	YP/AJ	Ok
16	AR1248ICC750	PO113016.D	18 Aug 2025 13:52	YP/AJ	Ok
17	AR1248ICC500	PO113017.D	18 Aug 2025 14:09	YP/AJ	Ok
18	AR1248ICC250	PO113018.D	18 Aug 2025 14:28	YP/AJ	Ok
19	AR1248ICC050	PO113019.D	18 Aug 2025 14:46	YP/AJ	Ok
20	AR1254ICC1000	PO113020.D	18 Aug 2025 15:05	YP/AJ	Ok
21	AR1254ICC750	PO113021.D	18 Aug 2025 15:23	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081825

Review By	yogesh	Review On	8/18/2025 10:23:59 AM		
Supervise By	mohammad	Supervise On	8/20/2025 3:04:50 AM		
SubDirectory	PO081825	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829, PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844 ,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO113022.D	18 Aug 2025 15:41	YP/AJ	Ok
23	AR1254ICC250	PO113023.D	18 Aug 2025 16:00	YP/AJ	Ok
24	AR1254ICC050	PO113024.D	18 Aug 2025 16:18	YP/AJ	Ok,M
25	AR1262ICC500	PO113025.D	18 Aug 2025 16:54	YP/AJ	Ok
26	AR1268ICC1000	PO113026.D	18 Aug 2025 17:12	YP/AJ	Ok
27	AR1268ICC750	PO113027.D	18 Aug 2025 17:30	YP/AJ	Ok
28	AR1268ICC500	PO113028.D	18 Aug 2025 17:48	YP/AJ	Ok
29	AR1268ICC250	PO113029.D	18 Aug 2025 18:06	YP/AJ	Ok
30	AR1268ICC050	PO113030.D	18 Aug 2025 18:24	YP/AJ	Ok,M
31	PO081825ICV500	PO113031.D	18 Aug 2025 18:43	YP/AJ	Ok
32	AR1242ICV500	PO113032.D	18 Aug 2025 19:37	YP/AJ	Ok
33	AR1248ICV500	PO113033.D	18 Aug 2025 19:54	YP/AJ	Ok
34	AR1254ICV500	PO113034.D	18 Aug 2025 20:31	YP/AJ	Ok
35	AR1268ICV500	PO113035.D	18 Aug 2025 21:07	YP/AJ	Ok,M
36	DDT ANALOG	PO113036.D	18 Aug 2025 21:44	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO082225

Review By	yogesh	Review On	8/22/2025 9:59:34 AM		
Supervise By	mohammad	Supervise On	8/28/2025 2:07:49 AM		
SubDirectory	PO082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO113162.D	22 Aug 2025 08:39	YP/AJ	Ok
2	AR1660CCC500	PO113163.D	22 Aug 2025 08:57	YP/AJ	Ok
3	AR1242CCC500	PO113164.D	22 Aug 2025 09:16	YP/AJ	Ok
4	AR1248CCC500	PO113165.D	22 Aug 2025 09:34	YP/AJ	Ok
5	AR1254CCC500	PO113166.D	22 Aug 2025 09:52	YP/AJ	Ok
6	I.BLK	PO113167.D	22 Aug 2025 10:11	YP/AJ	Ok
7	DDT ANALOG	PO113168.D	22 Aug 2025 10:29	YP/AJ	Ok
8	Q2914-13	PO113169.D	22 Aug 2025 10:46	YP/AJ	Ok
9	Q2914-13MS	PO113170.D	22 Aug 2025 11:05	YP/AJ	Ok,M
10	Q2914-13MSD	PO113171.D	22 Aug 2025 11:23	YP/AJ	Ok,M
11	Q2914-16	PO113172.D	22 Aug 2025 11:42	YP/AJ	Ok,M
12	Q2914-16	PO113173.D	22 Aug 2025 12:00	YP/AJ	Not Ok
13	Q2914-19	PO113174.D	22 Aug 2025 12:18	YP/AJ	Ok,M
14	Q2914-19	PO113175.D	22 Aug 2025 12:36	YP/AJ	Not Ok
15	Q2911-03	PO113176.D	22 Aug 2025 13:13	YP/AJ	Ok
16	Q2911-04	PO113177.D	22 Aug 2025 13:31	YP/AJ	Ok,M
17	AR1660CCC500	PO113178.D	22 Aug 2025 14:45	YP/AJ	Ok
18	AR1242CCC500	PO113179.D	22 Aug 2025 15:03	YP/AJ	Ok
19	AR1248CCC500	PO113180.D	22 Aug 2025 15:22	YP/AJ	Ok
20	AR1254CCC500	PO113181.D	22 Aug 2025 15:40	YP/AJ	Ok
21	I.BLK	PO113182.D	22 Aug 2025 15:58	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO082225

Review By	yogesh	Review On	8/22/2025 9:59:34 AM		
Supervise By	mohammad	Supervise On	8/28/2025 2:07:49 AM		
SubDirectory	PO082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2911-05	PO113183.D	22 Aug 2025 16:17	YP/AJ	Ok,M
23	Q2911-06	PO113184.D	22 Aug 2025 16:35	YP/AJ	Ok,M
24	Q2911-06MS	PO113185.D	22 Aug 2025 16:54	YP/AJ	Ok,M
25	Q2911-06MSD	PO113186.D	22 Aug 2025 17:11	YP/AJ	Ok,M
26	Q2911-07	PO113187.D	22 Aug 2025 17:29	YP/AJ	Ok
27	Q2911-08	PO113188.D	22 Aug 2025 17:48	YP/AJ	Ok,M
28	Q2911-09	PO113189.D	22 Aug 2025 18:06	YP/AJ	ReRun
29	Q2911-10	PO113190.D	22 Aug 2025 18:25	YP/AJ	ReRun
30	Q2911-11	PO113191.D	22 Aug 2025 18:43	YP/AJ	ReRun
31	Q2911-12	PO113192.D	22 Aug 2025 19:02	YP/AJ	ReRun
32	AR1660CCC500	PO113193.D	22 Aug 2025 20:14	YP/AJ	Ok
33	AR1242CCC500	PO113194.D	22 Aug 2025 21:28	YP/AJ	Ok,M
34	AR1248CCC500	PO113195.D	22 Aug 2025 21:46	YP/AJ	Ok,M
35	AR1254CCC500	PO113196.D	22 Aug 2025 22:05	YP/AJ	Ok
36	I.BLK	PO113197.D	22 Aug 2025 22:23	YP/AJ	Ok
37	Q2932-03	PO113198.D	22 Aug 2025 22:41	YP/AJ	Ok,M
38	Q2932-05	PO113199.D	22 Aug 2025 23:00	YP/AJ	Ok,M
39	Q2933-02	PO113200.D	22 Aug 2025 23:18	YP/AJ	Ok
40	Q2933-04	PO113201.D	22 Aug 2025 23:36	YP/AJ	Ok
41	Q2906-01	PO113202.D	22 Aug 2025 23:55	YP/AJ	Ok,M
42	Q2909-03	PO113203.D	23 Aug 2025 00:13	YP/AJ	Ok,M
43	Q2909-04	PO113204.D	23 Aug 2025 00:31	YP/AJ	Ok,M
44	Q2927-01	PO113205.D	23 Aug 2025 00:49	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO082225

Review By	yogesh	Review On	8/22/2025 9:59:34 AM		
Supervise By	mohammad	Supervise On	8/28/2025 2:07:49 AM		
SubDirectory	PO082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q2934-01	PO113206.D	23 Aug 2025 01:06	YP/AJ	Ok
46	Q2934-02	PO113207.D	23 Aug 2025 01:25	YP/AJ	Ok
47	AR1660CCC500	PO113208.D	23 Aug 2025 02:39	YP/AJ	Ok
48	AR1242CCC500	PO113209.D	23 Aug 2025 03:34	YP/AJ	Ok
49	AR1248CCC500	PO113210.D	23 Aug 2025 03:52	YP/AJ	Ok,M
50	AR1254CCC500	PO113211.D	23 Aug 2025 04:11	YP/AJ	Ok
51	I.BLK	PO113212.D	23 Aug 2025 04:29	YP/AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081925

Review By	yogesh	Review On	8/19/2025 10:38:23 AM		
Supervise By	mohammad	Supervise On	8/21/2025 1:31:42 AM		
SubDirectory	PP081925	HP Acquire Method		HP Processing Method	PP081925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829, PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844 ,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP074489.D	19 Aug 2025 09:30	YP\AJ	Ok
2	I.BLK	PP074490.D	19 Aug 2025 09:46	YP\AJ	Ok
3	AR1660ICC1000	PP074491.D	19 Aug 2025 10:02	YP\AJ	Ok
4	AR1660ICC750	PP074492.D	19 Aug 2025 10:18	YP\AJ	Ok
5	AR1660ICC500	PP074493.D	19 Aug 2025 10:34	YP\AJ	Ok
6	AR1660ICC250	PP074494.D	19 Aug 2025 10:51	YP\AJ	Ok
7	AR1660ICC050	PP074495.D	19 Aug 2025 11:07	YP\AJ	Ok,M
8	AR1221ICC500	PP074496.D	19 Aug 2025 11:23	YP\AJ	Ok
9	AR1232ICC500	PP074497.D	19 Aug 2025 11:39	YP\AJ	Ok,M
10	AR1242ICC1000	PP074498.D	19 Aug 2025 11:55	YP\AJ	Ok,M
11	AR1242ICC750	PP074499.D	19 Aug 2025 12:12	YP\AJ	Ok,M
12	AR1242ICC500	PP074500.D	19 Aug 2025 12:28	YP\AJ	Ok,M
13	AR1242ICC250	PP074501.D	19 Aug 2025 12:44	YP\AJ	Ok,M
14	AR1242ICC050	PP074502.D	19 Aug 2025 13:00	YP\AJ	Ok,M
15	AR1248ICC1000	PP074503.D	19 Aug 2025 13:16	YP\AJ	Ok,M
16	AR1248ICC750	PP074504.D	19 Aug 2025 13:33	YP\AJ	Ok,M
17	AR1248ICC500	PP074505.D	19 Aug 2025 13:49	YP\AJ	Ok,M
18	AR1248ICC250	PP074506.D	19 Aug 2025 14:05	YP\AJ	Ok,M
19	AR1248ICC050	PP074507.D	19 Aug 2025 14:21	YP\AJ	Ok,M
20	AR1254ICC1000	PP074508.D	19 Aug 2025 14:37	YP\AJ	Ok,M
21	AR1254ICC750	PP074509.D	19 Aug 2025 14:53	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081925

Review By	yogesh	Review On	8/19/2025 10:38:23 AM		
Supervise By	mohammad	Supervise On	8/21/2025 1:31:42 AM		
SubDirectory	PP081925	HP Acquire Method		HP Processing Method	PP081925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829, PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844 ,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP074510.D	19 Aug 2025 15:10	YP\AJ	Ok,M
23	AR1254ICC250	PP074511.D	19 Aug 2025 15:42	YP\AJ	Ok,M
24	AR1254ICC050	PP074512.D	19 Aug 2025 15:58	YP\AJ	Ok,M
25	AR1262ICC500	PP074513.D	19 Aug 2025 16:14	YP\AJ	Ok
26	AR1268ICC1000	PP074514.D	19 Aug 2025 16:31	YP\AJ	Ok
27	AR1268ICC750	PP074515.D	19 Aug 2025 16:47	YP\AJ	Ok
28	AR1268ICC500	PP074516.D	19 Aug 2025 17:03	YP\AJ	Ok
29	AR1268ICC250	PP074517.D	19 Aug 2025 17:19	YP\AJ	Ok
30	AR1268ICC050	PP074518.D	19 Aug 2025 17:36	YP\AJ	Ok,M
31	PP081925ICV500	PP074519.D	19 Aug 2025 17:52	YP\AJ	Ok
32	AR1242ICV500	PP074520.D	19 Aug 2025 19:13	YP\AJ	Ok,M
33	AR1248ICV500	PP074521.D	19 Aug 2025 19:29	YP\AJ	Ok,M
34	AR1254ICV500	PP074522.D	19 Aug 2025 20:18	YP\AJ	Ok,M
35	AR1268ICV500	PP074523.D	19 Aug 2025 21:07	YP\AJ	Ok
36	DDT ANALOG	PP074524.D	19 Aug 2025 21:55	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By	mohammad	Supervise On	8/27/2025 1:31:07 AM		
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP074561.D	22 Aug 2025 08:34	YP\AJ	Ok
2	AR1660CCC500	PP074562.D	22 Aug 2025 08:50	YP\AJ	Ok
3	AR1242CCC500	PP074563.D	22 Aug 2025 09:06	YP\AJ	Ok,M
4	AR1248CCC500	PP074564.D	22 Aug 2025 09:23	YP\AJ	Ok,M
5	AR1254CCC500	PP074565.D	22 Aug 2025 09:39	YP\AJ	Ok,M
6	I.BLK	PP074566.D	22 Aug 2025 09:55	YP\AJ	Ok
7	DDT ANALOG	PP074567.D	22 Aug 2025 10:11	YP\AJ	Ok
8	Q2922-11DL	PP074568.D	22 Aug 2025 10:28	YP\AJ	Ok,M
9	Q2922-14DL	PP074569.D	22 Aug 2025 10:44	YP\AJ	Ok
10	Q2922-17DL	PP074570.D	22 Aug 2025 11:00	YP\AJ	Ok
11	Q2922-20DL	PP074571.D	22 Aug 2025 11:16	YP\AJ	Ok,M
12	Q2923-12DL	PP074572.D	22 Aug 2025 11:32	YP\AJ	Ok
13	PB169353BL	PP074573.D	22 Aug 2025 12:21	YP\AJ	Ok
14	PB169353BS	PP074574.D	22 Aug 2025 12:37	YP\AJ	Ok,M
15	Q2911-01	PP074575.D	22 Aug 2025 12:53	YP\AJ	Dilution
16	Q2911-02	PP074576.D	22 Aug 2025 13:10	YP\AJ	Dilution
17	AR1660CCC500	PP074577.D	22 Aug 2025 14:14	YP\AJ	Ok
18	AR1242CCC500	PP074578.D	22 Aug 2025 14:31	YP\AJ	Ok,M
19	AR1248CCC500	PP074579.D	22 Aug 2025 14:47	YP\AJ	Ok,M
20	AR1254CCC500	PP074580.D	22 Aug 2025 15:03	YP\AJ	Ok,M
21	I.BLK	PP074581.D	22 Aug 2025 15:19	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By	mohammad	Supervise On	8/27/2025 1:31:07 AM		
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP2484 4,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB169359BL	PP074582.D	22 Aug 2025 15:36	YP\AJ	Ok
23	PB169359BS	PP074583.D	22 Aug 2025 15:52	YP\AJ	Ok,M
24	Q2911-13	PP074584.D	22 Aug 2025 16:08	YP\AJ	Ok,M
25	Q2911-14	PP074585.D	22 Aug 2025 16:24	YP\AJ	Ok,M
26	Q2911-15	PP074586.D	22 Aug 2025 16:41	YP\AJ	Ok
27	Q2911-16	PP074587.D	22 Aug 2025 16:57	YP\AJ	Dilution
28	Q2911-17	PP074588.D	22 Aug 2025 17:13	YP\AJ	Ok
29	Q2911-18	PP074589.D	22 Aug 2025 17:30	YP\AJ	Ok
30	Q2923-16	PP074590.D	22 Aug 2025 17:46	YP\AJ	Ok,M
31	Q2909-01	PP074591.D	22 Aug 2025 18:02	YP\AJ	Ok
32	AR1660CCC500	PP074592.D	22 Aug 2025 19:07	YP\AJ	Ok
33	AR1242CCC500	PP074593.D	22 Aug 2025 19:56	YP\AJ	Ok,M
34	AR1248CCC500	PP074594.D	22 Aug 2025 20:12	YP\AJ	Ok,M
35	AR1254CCC500	PP074595.D	22 Aug 2025 20:29	YP\AJ	Ok,M
36	I.BLK	PP074596.D	22 Aug 2025 20:45	YP\AJ	Ok
37	Q2915-01	PP074597.D	22 Aug 2025 21:01	YP\AJ	Ok
38	Q2915-03	PP074598.D	22 Aug 2025 21:17	YP\AJ	Ok
39	Q2915-03MS	PP074599.D	22 Aug 2025 21:34	YP\AJ	Ok,M
40	Q2915-03MSD	PP074600.D	22 Aug 2025 21:50	YP\AJ	Ok,M
41	Q2916-01	PP074601.D	22 Aug 2025 22:06	YP\AJ	Ok
42	Q2917-01	PP074602.D	22 Aug 2025 22:23	YP\AJ	Ok
43	Q2919-01	PP074603.D	22 Aug 2025 22:39	YP\AJ	Ok,M
44	Q2926-01	PP074604.D	22 Aug 2025 22:55	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By	mohammad	Supervise On	8/27/2025 1:31:07 AM		
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829 ,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP2484 4,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q2928-01	PP074605.D	22 Aug 2025 23:11	YP\AJ	Ok
46	Q2932-01	PP074606.D	22 Aug 2025 23:28	YP\AJ	Ok
47	AR1660CCC500	PP074607.D	23 Aug 2025 01:22	YP\AJ	Ok
48	AR1242CCC500	PP074608.D	23 Aug 2025 01:38	YP\AJ	Ok,M
49	AR1248CCC500	PP074609.D	23 Aug 2025 01:54	YP\AJ	Ok,M
50	AR1254CCC500	PP074610.D	23 Aug 2025 02:10	YP\AJ	Ok,M
51	I.BLK	PP074611.D	23 Aug 2025 02:27	YP\AJ	Ok
52	PB169361BL	PP074612.D	23 Aug 2025 02:43	YP\AJ	Ok
53	PB169361BS	PP074613.D	23 Aug 2025 02:59	YP\AJ	Ok,M
54	PB169361BSD	PP074614.D	23 Aug 2025 03:16	YP\AJ	Ok
55	Q2934-03	PP074615.D	23 Aug 2025 03:32	YP\AJ	Ok,M
56	Q2934-04	PP074616.D	23 Aug 2025 03:48	YP\AJ	Ok,M
57	Q2911-01DL	PP074617.D	23 Aug 2025 04:04	YP\AJ	Ok,M
58	Q2911-02DL	PP074618.D	23 Aug 2025 04:21	YP\AJ	Ok
59	AR1660CCC500	PP074619.D	23 Aug 2025 05:26	YP\AJ	Ok
60	AR1242CCC500	PP074620.D	23 Aug 2025 06:31	YP\AJ	Ok,M
61	AR1248CCC500	PP074621.D	23 Aug 2025 06:47	YP\AJ	Ok,M
62	AR1254CCC500	PP074622.D	23 Aug 2025 07:03	YP\AJ	Ok,M
63	I.BLK	PP074623.D	23 Aug 2025 07:20	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081825

Review By	yogesh	Review On	8/18/2025 10:23:59 AM		
Supervise By	mohammad	Supervise On	8/20/2025 3:04:50 AM		
SubDirectory	PO081825	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO113001.D	18 Aug 2025 09:16		YP/AJ	Ok
2	I.BLK	I.BLK	PO113002.D	18 Aug 2025 09:34		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO113003.D	18 Aug 2025 09:53		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO113004.D	18 Aug 2025 10:11		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO113005.D	18 Aug 2025 10:29		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO113006.D	18 Aug 2025 10:48		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO113007.D	18 Aug 2025 11:06		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO113008.D	18 Aug 2025 11:25		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO113009.D	18 Aug 2025 11:43		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO113010.D	18 Aug 2025 12:01		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO113011.D	18 Aug 2025 12:20		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO113012.D	18 Aug 2025 12:38		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO113013.D	18 Aug 2025 12:57		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO113014.D	18 Aug 2025 13:15		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO113015.D	18 Aug 2025 13:34		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO113016.D	18 Aug 2025 13:52		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO113017.D	18 Aug 2025 14:09		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO113018.D	18 Aug 2025 14:28		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO081825

Review By	yogesh	Review On	8/18/2025 10:23:59 AM		
Supervise By	mohammad	Supervise On	8/20/2025 3:04:50 AM		
SubDirectory	PO081825	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO113019.D	18 Aug 2025 14:46		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO113020.D	18 Aug 2025 15:05		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO113021.D	18 Aug 2025 15:23		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO113022.D	18 Aug 2025 15:41		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO113023.D	18 Aug 2025 16:00		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO113024.D	18 Aug 2025 16:18		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO113025.D	18 Aug 2025 16:54		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO113026.D	18 Aug 2025 17:12		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO113027.D	18 Aug 2025 17:30		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO113028.D	18 Aug 2025 17:48		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO113029.D	18 Aug 2025 18:06		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO113030.D	18 Aug 2025 18:24		YP/AJ	Ok,M
31	PO081825ICV500	ICVPO081825	PO113031.D	18 Aug 2025 18:43		YP/AJ	Ok
32	AR1242ICV500	ICVPO081825AR1242	PO113032.D	18 Aug 2025 19:37		YP/AJ	Ok
33	AR1248ICV500	ICVPO081825AR1248	PO113033.D	18 Aug 2025 19:54		YP/AJ	Ok
34	AR1254ICV500	ICVPO081825AR1254	PO113034.D	18 Aug 2025 20:31		YP/AJ	Ok
35	AR1268ICV500	ICVPO081825AR1268	PO113035.D	18 Aug 2025 21:07		YP/AJ	Ok,M
36	DDT ANALOG	DDT ANALOG	PO113036.D	18 Aug 2025 21:44		YP/AJ	Ok

M : Manual Integration

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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 # PO082225

Review By	yogesh	Review On	8/22/2025 9:59:34 AM		
Supervise By	mohammad	Supervise On	8/28/2025 2:07:49 AM		
SubDirectory	PO082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO113162.D	22 Aug 2025 08:39		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO113163.D	22 Aug 2025 08:57		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO113164.D	22 Aug 2025 09:16		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO113165.D	22 Aug 2025 09:34		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO113166.D	22 Aug 2025 09:52		YP/AJ	Ok
6	I.BLK	I.BLK	PO113167.D	22 Aug 2025 10:11		YP/AJ	Ok
7	DDT ANALOG	DDT ANALOG	PO113168.D	22 Aug 2025 10:29		YP/AJ	Ok
8	Q2914-13	K262-13A	PO113169.D	22 Aug 2025 10:46		YP/AJ	Ok
9	Q2914-13MS	K262-13AMS	PO113170.D	22 Aug 2025 11:05		YP/AJ	Ok,M
10	Q2914-13MSD	K262-13AMSD	PO113171.D	22 Aug 2025 11:23		YP/AJ	Ok,M
11	Q2914-16	K262-14A	PO113172.D	22 Aug 2025 11:42		YP/AJ	Ok,M
12	Q2914-16	K262-14A	PO113173.D	22 Aug 2025 12:00	not required	YP/AJ	Not Ok
13	Q2914-19	K262-15A	PO113174.D	22 Aug 2025 12:18	DCB HIGH in second column	YP/AJ	Ok,M
14	Q2914-19	K262-15A	PO113175.D	22 Aug 2025 12:36	not required	YP/AJ	Not Ok
15	Q2911-03	K262-1C	PO113176.D	22 Aug 2025 13:13		YP/AJ	Ok
16	Q2911-04	K262-2A	PO113177.D	22 Aug 2025 13:31		YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO113178.D	22 Aug 2025 14:45		YP/AJ	Ok
18	AR1242CCC500	AR1242CCC500	PO113179.D	22 Aug 2025 15:03		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO082225

Review By	yogesh	Review On	8/22/2025 9:59:34 AM		
Supervise By	mohammad	Supervise On	8/28/2025 2:07:49 AM		
SubDirectory	PO082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PO113180.D	22 Aug 2025 15:22		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO113181.D	22 Aug 2025 15:40		YP/AJ	Ok
21	I.BLK	I.BLK	PO113182.D	22 Aug 2025 15:58		YP/AJ	Ok
22	Q2911-05	K262-2B	PO113183.D	22 Aug 2025 16:17		YP/AJ	Ok,M
23	Q2911-06	K262-2C	PO113184.D	22 Aug 2025 16:35	AR1254 hit	YP/AJ	Ok,M
24	Q2911-06MS	K262-2CMS	PO113185.D	22 Aug 2025 16:54		YP/AJ	Ok,M
25	Q2911-06MSD	K262-2CMSD	PO113186.D	22 Aug 2025 17:11		YP/AJ	Ok,M
26	Q2911-07	K262-3A	PO113187.D	22 Aug 2025 17:29		YP/AJ	Ok
27	Q2911-08	K262-3B	PO113188.D	22 Aug 2025 17:48		YP/AJ	Ok,M
28	Q2911-09	K262-3C	PO113189.D	22 Aug 2025 18:06	DCB high in both column	YP/AJ	ReRun
29	Q2911-10	K262-4A	PO113190.D	22 Aug 2025 18:25	DCB high in both column	YP/AJ	ReRun
30	Q2911-11	K262-4B	PO113191.D	22 Aug 2025 18:43	DCB high in both column	YP/AJ	ReRun
31	Q2911-12	K262-4C	PO113192.D	22 Aug 2025 19:02	DCB high in both column	YP/AJ	ReRun
32	AR1660CCC500	AR1660CCC500	PO113193.D	22 Aug 2025 20:14		YP/AJ	Ok
33	AR1242CCC500	AR1242CCC500	PO113194.D	22 Aug 2025 21:28		YP/AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PO113195.D	22 Aug 2025 21:46		YP/AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PO113196.D	22 Aug 2025 22:05		YP/AJ	Ok
36	I.BLK	I.BLK	PO113197.D	22 Aug 2025 22:23		YP/AJ	Ok
37	Q2932-03	ARS20-0002-SOIL	PO113198.D	22 Aug 2025 22:41	AR1254 hit	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO082225

Review By	yogesh	Review On	8/22/2025 9:59:34 AM		
Supervise By	mohammad	Supervise On	8/28/2025 2:07:49 AM		
SubDirectory	PO082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q2932-05	ARS20-0002-CONCRE	PO113199.D	22 Aug 2025 23:00	AR1254 hit	YP/AJ	Ok,M
39	Q2933-02	25-SEPTIC	PO113200.D	22 Aug 2025 23:18		YP/AJ	Ok
40	Q2933-04	29-SEPTIC	PO113201.D	22 Aug 2025 23:36		YP/AJ	Ok
41	Q2906-01	3409	PO113202.D	22 Aug 2025 23:55	AR1260 hit	YP/AJ	Ok,M
42	Q2909-03	4066	PO113203.D	23 Aug 2025 00:13		YP/AJ	Ok,M
43	Q2909-04	4067	PO113204.D	23 Aug 2025 00:31		YP/AJ	Ok,M
44	Q2927-01	A6121M	PO113205.D	23 Aug 2025 00:49		YP/AJ	Ok,M
45	Q2934-01	ENV-SW01	PO113206.D	23 Aug 2025 01:06		YP/AJ	Ok
46	Q2934-02	ENV-SW02	PO113207.D	23 Aug 2025 01:25		YP/AJ	Ok
47	AR1660CCC500	AR1660CCC500	PO113208.D	23 Aug 2025 02:39		YP/AJ	Ok
48	AR1242CCC500	AR1242CCC500	PO113209.D	23 Aug 2025 03:34		YP/AJ	Ok
49	AR1248CCC500	AR1248CCC500	PO113210.D	23 Aug 2025 03:52		YP/AJ	Ok,M
50	AR1254CCC500	AR1254CCC500	PO113211.D	23 Aug 2025 04:11		YP/AJ	Ok
51	I.BLK	I.BLK	PO113212.D	23 Aug 2025 04:29		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081925

Review By	yogesh	Review On	8/19/2025 10:38:23 AM		
Supervise By	mohammad	Supervise On	8/21/2025 1:31:42 AM		
SubDirectory	PP081925	HP Acquire Method		HP Processing Method	PP081925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP074489.D	19 Aug 2025 09:30		YP\AJ	Ok
2	I.BLK	I.BLK	PP074490.D	19 Aug 2025 09:46		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP074491.D	19 Aug 2025 10:02		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP074492.D	19 Aug 2025 10:18		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP074493.D	19 Aug 2025 10:34		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP074494.D	19 Aug 2025 10:51		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP074495.D	19 Aug 2025 11:07		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP074496.D	19 Aug 2025 11:23		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP074497.D	19 Aug 2025 11:39		YP\AJ	Ok,M
10	AR1242ICC1000	AR1242ICC1000	PP074498.D	19 Aug 2025 11:55		YP\AJ	Ok,M
11	AR1242ICC750	AR1242ICC750	PP074499.D	19 Aug 2025 12:12		YP\AJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP074500.D	19 Aug 2025 12:28		YP\AJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP074501.D	19 Aug 2025 12:44		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP074502.D	19 Aug 2025 13:00		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP074503.D	19 Aug 2025 13:16		YP\AJ	Ok,M
16	AR1248ICC750	AR1248ICC750	PP074504.D	19 Aug 2025 13:33		YP\AJ	Ok,M
17	AR1248ICC500	AR1248ICC500	PP074505.D	19 Aug 2025 13:49		YP\AJ	Ok,M
18	AR1248ICC250	AR1248ICC250	PP074506.D	19 Aug 2025 14:05		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP081925

Review By	yogesh	Review On	8/19/2025 10:38:23 AM		
Supervise By	mohammad	Supervise On	8/21/2025 1:31:42 AM		
SubDirectory	PP081925	HP Acquire Method		HP Processing Method	PP081925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP2416,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PP074507.D	19 Aug 2025 14:21		YP\AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP074508.D	19 Aug 2025 14:37		YP\AJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP074509.D	19 Aug 2025 14:53		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP074510.D	19 Aug 2025 15:10		YP\AJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP074511.D	19 Aug 2025 15:42		YP\AJ	Ok,M
24	AR1254ICC050	AR1254ICC050	PP074512.D	19 Aug 2025 15:58		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP074513.D	19 Aug 2025 16:14		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP074514.D	19 Aug 2025 16:31		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP074515.D	19 Aug 2025 16:47		YP\AJ	Ok
28	AR1268ICC500	AR1268ICC500	PP074516.D	19 Aug 2025 17:03		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP074517.D	19 Aug 2025 17:19		YP\AJ	Ok
30	AR1268ICC050	AR1268ICC050	PP074518.D	19 Aug 2025 17:36		YP\AJ	Ok,M
31	PP081925ICV500	ICVPP081925	PP074519.D	19 Aug 2025 17:52		YP\AJ	Ok
32	AR1242ICV500	ICVPP081925AR1242	PP074520.D	19 Aug 2025 19:13		YP\AJ	Ok,M
33	AR1248ICV500	ICVPP081925AR1248	PP074521.D	19 Aug 2025 19:29		YP\AJ	Ok,M
34	AR1254ICV500	ICVPP081925AR1254	PP074522.D	19 Aug 2025 20:18		YP\AJ	Ok,M
35	AR1268ICV500	ICVPP081925AR1268	PP074523.D	19 Aug 2025 21:07		YP\AJ	Ok
36	DDT ANALOG	DDT ANALOG	PP074524.D	19 Aug 2025 21:55		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By	mohammad	Supervise On	8/27/2025 1:31:07 AM		
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP074561.D	22 Aug 2025 08:34		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP074562.D	22 Aug 2025 08:50		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP074563.D	22 Aug 2025 09:06		YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP074564.D	22 Aug 2025 09:23		YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP074565.D	22 Aug 2025 09:39		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP074566.D	22 Aug 2025 09:55		YP\AJ	Ok
7	DDT ANALOG	DDT ANALOG	PP074567.D	22 Aug 2025 10:11		YP\AJ	Ok
8	Q2922-11DL	K262-19ADL	PP074568.D	22 Aug 2025 10:28	AR1254 Hit	YP\AJ	Ok,M
9	Q2922-14DL	K262-20ADL	PP074569.D	22 Aug 2025 10:44	AR1254 Hit	YP\AJ	Ok
10	Q2922-17DL	K262-21ADL	PP074570.D	22 Aug 2025 11:00	AR1254 Hit	YP\AJ	Ok
11	Q2922-20DL	K262-22ADL	PP074571.D	22 Aug 2025 11:16	AR1254 Hit	YP\AJ	Ok,M
12	Q2923-12DL	K262-DUP4DL	PP074572.D	22 Aug 2025 11:32	AR1254 Hit	YP\AJ	Ok
13	PB169353BL	PB169353BL	PP074573.D	22 Aug 2025 12:21		YP\AJ	Ok
14	PB169353BS	PB169353BS	PP074574.D	22 Aug 2025 12:37		YP\AJ	Ok,M
15	Q2911-01	K262-1A	PP074575.D	22 Aug 2025 12:53	AR1254 Hit , Need 2x dilution	YP\AJ	Dilution
16	Q2911-02	K262-1B	PP074576.D	22 Aug 2025 13:10	AR1254 Hit , Need 2x dilution	YP\AJ	Dilution
17	AR1660CCC500	AR1660CCC500	PP074577.D	22 Aug 2025 14:14		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP074578.D	22 Aug 2025 14:31		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By	mohammad	Supervise On	8/27/2025 1:31:07 AM		
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PP074579.D	22 Aug 2025 14:47		YP\AJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP074580.D	22 Aug 2025 15:03		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP074581.D	22 Aug 2025 15:19		YP\AJ	Ok
22	PB169359BL	PB169359BL	PP074582.D	22 Aug 2025 15:36		YP\AJ	Ok
23	PB169359BS	PB169359BS	PP074583.D	22 Aug 2025 15:52		YP\AJ	Ok,M
24	Q2911-13	K262-5A	PP074584.D	22 Aug 2025 16:08	DCB high in 2nd column	YP\AJ	Ok,M
25	Q2911-14	K262-5B	PP074585.D	22 Aug 2025 16:24	DCB high in 2nd column	YP\AJ	Ok,M
26	Q2911-15	K262-5C	PP074586.D	22 Aug 2025 16:41	DCB high in 2nd column	YP\AJ	Ok
27	Q2911-16	K262-6C	PP074587.D	22 Aug 2025 16:57	AR1254 Hit , Need 2x dilution	YP\AJ	Dilution
28	Q2911-17	K262-7C	PP074588.D	22 Aug 2025 17:13	AR1254 Hit	YP\AJ	Ok
29	Q2911-18	K262-8A	PP074589.D	22 Aug 2025 17:30		YP\AJ	Ok
30	Q2923-16	K262-DUP8	PP074590.D	22 Aug 2025 17:46	AR1254 Hit	YP\AJ	Ok,M
31	Q2909-01	4065	PP074591.D	22 Aug 2025 18:02		YP\AJ	Ok
32	AR1660CCC500	AR1660CCC500	PP074592.D	22 Aug 2025 19:07		YP\AJ	Ok
33	AR1242CCC500	AR1242CCC500	PP074593.D	22 Aug 2025 19:56		YP\AJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP074594.D	22 Aug 2025 20:12		YP\AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP074595.D	22 Aug 2025 20:29		YP\AJ	Ok,M
36	I.BLK	I.BLK	PP074596.D	22 Aug 2025 20:45		YP\AJ	Ok
37	Q2915-01	BRIDGE-WEST	PP074597.D	22 Aug 2025 21:01		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By	mohammad	Supervise On	8/27/2025 1:31:07 AM		
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q2915-03	BRIDGE-EAST	PP074598.D	22 Aug 2025 21:17		YP\AJ	Ok
39	Q2915-03MS	BRIDGE-EASTMS	PP074599.D	22 Aug 2025 21:34		YP\AJ	Ok,M
40	Q2915-03MSD	BRIDGE-EASTMSD	PP074600.D	22 Aug 2025 21:50		YP\AJ	Ok,M
41	Q2916-01	EO-03-08202025	PP074601.D	22 Aug 2025 22:06		YP\AJ	Ok
42	Q2917-01	OR-02-082025	PP074602.D	22 Aug 2025 22:23		YP\AJ	Ok
43	Q2919-01	OK-02-08202025	PP074603.D	22 Aug 2025 22:39		YP\AJ	Ok,M
44	Q2926-01	TR-04-08212025	PP074604.D	22 Aug 2025 22:55		YP\AJ	Ok
45	Q2928-01	27-BELL	PP074605.D	22 Aug 2025 23:11		YP\AJ	Ok
46	Q2932-01	ARS20-0009	PP074606.D	22 Aug 2025 23:28		YP\AJ	Ok
47	AR1660CCC500	AR1660CCC500	PP074607.D	23 Aug 2025 01:22		YP\AJ	Ok
48	AR1242CCC500	AR1242CCC500	PP074608.D	23 Aug 2025 01:38		YP\AJ	Ok,M
49	AR1248CCC500	AR1248CCC500	PP074609.D	23 Aug 2025 01:54		YP\AJ	Ok,M
50	AR1254CCC500	AR1254CCC500	PP074610.D	23 Aug 2025 02:10		YP\AJ	Ok,M
51	I.BLK	I.BLK	PP074611.D	23 Aug 2025 02:27		YP\AJ	Ok
52	PB169361BL	PB169361BL	PP074612.D	23 Aug 2025 02:43		YP\AJ	Ok
53	PB169361BS	PB169361BS	PP074613.D	23 Aug 2025 02:59		YP\AJ	Ok,M
54	PB169361BSD	PB169361BSD	PP074614.D	23 Aug 2025 03:16		YP\AJ	Ok
55	Q2934-03	ENV-SW03	PP074615.D	23 Aug 2025 03:32		YP\AJ	Ok,M
56	Q2934-04	ENV-SW04	PP074616.D	23 Aug 2025 03:48		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP082225

Review By	yogesh	Review On	8/22/2025 9:50:46 AM		
Supervise By	mohammad	Supervise On	8/27/2025 1:31:07 AM		
SubDirectory	PP082225	HP Acquire Method		HP Processing Method	PO081825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

57	Q2911-01DL	K262-1ADL	PP074617.D	23 Aug 2025 04:04	AR1254 Hit	YP\AJ	Ok,M
58	Q2911-02DL	K262-1BDL	PP074618.D	23 Aug 2025 04:21	AR1254 Hit	YP\AJ	Ok
59	AR1660CCC500	AR1660CCC500	PP074619.D	23 Aug 2025 05:26		YP\AJ	Ok
60	AR1242CCC500	AR1242CCC500	PP074620.D	23 Aug 2025 06:31		YP\AJ	Ok,M
61	AR1248CCC500	AR1248CCC500	PP074621.D	23 Aug 2025 06:47		YP\AJ	Ok,M
62	AR1254CCC500	AR1254CCC500	PP074622.D	23 Aug 2025 07:03		YP\AJ	Ok,M
63	I.BLK	I.BLK	PP074623.D	23 Aug 2025 07:20		YP\AJ	Ok

M : Manual Integration

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EXTRACTION LOGPAGE

PB169361

SOP ID:	M3510C,3580A-Extraction PCB-15				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	08/22/2025
Matrix :	Water			**Extraction Start Time :**	10:20
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	08/22/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	14:45
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3953	**Hood ID:**	4,6,7	**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	5000 PPB	PP24799
Surrogate	1.0ML	200 PPB	PP24663
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
Methylene Chloride	N/A	E3964
Baked Na2SO4	N/A	EP2632
Hexane	N/A	E3962
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40BTS721.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/22/25	RS (Ext Lab)	Y.P Pest IPCB.
14:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169361

Analytical Method: M3510C,3580A-Extraction PCB-15

Concentration Date: 08/22/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169361BL	ABLK361	PCB	1000	6	RUPESH	ritesh	10			SEP-1
PB169361BS	ALCS361	PCB	1000	6	RUPESH	ritesh	10			2
PB169361BSD	ALCSD361	PCB	1000	6	RUPESH	ritesh	10			3
Q2906-01	3409	PCB	1000	6	RUPESH	ritesh	10	C		4
Q2909-03	4066	PCB	1000	6	RUPESH	ritesh	10	C		5
Q2909-04	4067	PCB	990	6	RUPESH	ritesh	10	C		6
Q2927-01	A6121M	PCB	940	6	RUPESH	ritesh	10	E		7
Q2934-01	ENV-SW01	PCB	1000	6	RUPESH	ritesh	10	G		8
Q2934-02	ENV-SW02	PCB	990	6	RUPESH	ritesh	10	G		9
Q2934-03	ENV-SW03	PCB	1000	6	RUPESH	ritesh	10	G		10
Q2934-04	ENV-SW04	PCB	1000	6	RUPESH	ritesh	10	G		11

RS 8/22

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

Q93361
Q2934 10:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2927 **WorkList ID :** 191428 **Department :** Extraction **Date :** 08-22-2025 10:14:02

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2906-01	3409	Water	PCB	Cool 4 deg C	PSEG03	D21	08/20/2025	8082A
Q2909-03	4066	Water	PCB	Cool 4 deg C	PSEG03	D11	08/20/2025	8082A
Q2909-04	4067	Water	PCB	Cool 4 deg C	PSEG03	D11	08/20/2025	8082A
Q2927-01	A6121M	Water	PCB	Cool 4 deg C	PSEG03	D31	08/21/2025	8082A
Q2934-01	ENV-SW01	Water	PCB	Cool 4 deg C	PORT06	D41	08/21/2025	8082A
Q2934-02	ENV-SW02	Water	PCB	Cool 4 deg C	PORT06	D41	08/21/2025	8082A
Q2934-03	ENV-SW03	Water	PCB	Cool 4 deg C	PORT06	D41	08/21/2025	8082A
Q2934-04	ENV-SW04	Water	PCB	Cool 4 deg C	PORT06	D41	08/21/2025	8082A

453 of 746

Date/Time 8/22/25 10:15
Raw Sample Received by: RS (EQ-lab)
Raw Sample Relinquished by:

Date/Time 8/22/25 10:50
Raw Sample Received by:
Raw Sample Relinquished by: RS (EQ-lab)

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LAB CHRONICLE

OrderID:	Q2934	**OrderDate:**	8/21/2025 2:34:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2934-01	**ENV-SW01**	**WATER**			**08/21/25**			**08/21/25**
			PCB	8082A		08/22/25	08/23/25	
Q2934-02	**ENV-SW02**	**WATER**			**08/21/25**			**08/21/25**
			PCB	8082A		08/22/25	08/23/25	
Q2934-03	**ENV-SW03**	**WATER**			**08/21/25**			**08/21/25**
			PCB	8082A		08/22/25	08/23/25	
Q2934-04	**ENV-SW04**	**WATER**			**08/21/25**			**08/21/25**
			PCB	8082A		08/22/25	08/23/25	

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/25/25 15:00	08/26/25 23:32	PB169398

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	9.95	J	1	8.28	30.0	ug/l	FE055522.D
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	1	13.5	20.0	ug/l	FE055522.D
Aliphatic C16-C21	Aliphatic C16-C21	15.6	J	1	8.34	30.0	ug/l	FE055522.D
Aliphatic C21-C28	Aliphatic C21-C28	12.6	J	1	12.5	40.0	ug/l	FE055522.D
Aliphatic C28-C40	Aliphatic C28-C40	133		1	23.8	60.0	ug/l	FE055522.D
Aromatic C10-C12	Aromatic C10-C12	9.47	J	1	2.07	20.0	ug/l	FD049676.D
Aromatic C12-C16	Aromatic C12-C16	10.0	J	1	4.26	30.0	ug/l	FD049676.D
Aromatic C16-C21	Aromatic C16-C21	61.0		1	8.27	50.0	ug/l	FD049676.D
Aromatic C21-C36	Aromatic C21-C36	53.3	J	1	23.8	80.0	ug/l	FD049676.D
Total AliphaticEPH	Total AliphaticEPH	171	J		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	134	J		38.4	180	ug/l	
Total EPH	Total EPH	305	J		105	360	ug/l	

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:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049676.D	1	08/25/25	08/26/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.47	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	10.0	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	61.0		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	53.3	J	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	45.5		40 - 140	91%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	45.9		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.7		40 - 140	65%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2934-01	Acq On:	26 Aug 2025 18:38
Client Sample ID:	ENV-SW01	Operator:	YP/AJ
Data file:	FD049676.D	Misc:	
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.405	6.149	511157	4.736	200	ug/ml
Aromatic C12-C16	6.150	8.777	620814	5.024	300	ug/ml
Aromatic C16-C21	8.778	13.069	3858355	30.504	500	ug/ml
Aromatic C21-C36	13.070	18.490	3000312	26.641	800	ug/ml
Aromatic EPH	4.405	18.490	7990638	66.905		ug/ml
2-Bromonaphthalene (SURR)	7.715	7.715	4658887	45.46		ug/ml
2-Flurobiphenyl (SURR)	8.580	8.580	3349747	45.86		ug/ml
ortho-Terphenyl (SURR)	11.625	11.625	4240172	32.67		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055522.D	1	08/25/25	08/26/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	9.95	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	15.6	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.6	J	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	133		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.5		40 - 140	79%	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:	Q2934-01	Acq On:	26 Aug 2025 23:32
Client Sample ID:	ENV-SW01	Operator:	YP\AJ
Data file:	FE055522.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.953	580969	4.975	300	ug/ml
Aliphatic C12-C16	6.954	10.407	796229	6.358	200	ug/ml
Aliphatic C16-C21	10.408	13.786	984013	7.785	300	ug/ml
Aliphatic C21-C28	13.787	17.459	758489	6.294	400	ug/ml
Aliphatic C28-C40	17.460	22.479	7613647	66.794	600	ug/ml
Aliphatic EPH	3.317	22.479	10733347	92.206		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	4252263	39.55		ug/ml
Aliphatic C9-C28	3.317	17.459	3119700	25.412	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/25/25 15:00	08/27/25 0:03	PB169398

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	12.7	J	1	8.28	30.0	ug/l	FE055523.D
Aliphatic C12-C16	Aliphatic C12-C16	16.4	J	1	13.5	20.0	ug/l	FE055523.D
Aliphatic C16-C21	Aliphatic C16-C21	16.5	J	1	8.34	30.0	ug/l	FE055523.D
Aliphatic C21-C28	Aliphatic C21-C28	15.0	J	1	12.5	40.0	ug/l	FE055523.D
Aliphatic C28-C40	Aliphatic C28-C40	213		1	23.8	60.0	ug/l	FE055523.D
Aromatic C10-C12	Aromatic C10-C12	9.41	J	1	2.07	20.0	ug/l	FD049677.D
Aromatic C12-C16	Aromatic C12-C16	14.0	J	1	4.26	30.0	ug/l	FD049677.D
Aromatic C16-C21	Aromatic C16-C21	68.9		1	8.27	50.0	ug/l	FD049677.D
Aromatic C21-C36	Aromatic C21-C36	43.3	J	1	23.8	80.0	ug/l	FD049677.D
Total AliphaticEPH	Total AliphaticEPH	274			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	136	J		38.4	180	ug/l	
Total EPH	Total EPH	409			105	360	ug/l	

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:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049677.D	1	08/25/25	08/26/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.41	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	14.0	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	68.9		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	43.3	J	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.9		40 - 140	120%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	58.9		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	54.8		40 - 140	110%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2934-02	Acq On:	26 Aug 2025 19:23
Client Sample ID:	ENV-SW02	Operator:	YP/AJ
Data file:	FD049677.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.405	6.149	507783	4.704	200	ug/ml
Aromatic C12-C16	6.150	8.777	867132	7.017	300	ug/ml
Aromatic C16-C21	8.778	13.069	4359459	34.466	500	ug/ml
Aromatic C21-C36	13.070	18.490	2435916	21.63	800	ug/ml
Aromatic EPH	4.405	18.490	8170290	67.817		ug/ml
2-Bromonaphthalene (SURR)	7.716	7.716	6137175	59.88		ug/ml
2-Flurobiphenyl (SURR)	8.581	8.581	4301667	58.89		ug/ml
ortho-Terphenyl (SURR)	11.628	11.628	7108711	54.77		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055523.D	1	08/25/25	08/27/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	12.7	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	16.4	J	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	16.5	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	15.0	J	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	213		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	59.1		40 - 140	118%	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:	Q2934-02	Acq On:	27 Aug 2025 00:03
Client Sample ID:	ENV-SW02	Operator:	YP\AJ
Data file:	FE055523.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.953	740345	6.34	300	ug/ml
Aliphatic C12-C16	6.954	10.407	1028890	8.216	200	ug/ml
Aliphatic C16-C21	10.408	13.786	1040579	8.232	300	ug/ml
Aliphatic C21-C28	13.787	17.459	906638	7.524	400	ug/ml
Aliphatic C28-C40	17.460	22.479	12167027	106.74	600	ug/ml
Aliphatic EPH	3.317	22.479	15883479	137.052		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	6358725	59.14		ug/ml
Aliphatic C9-C28	3.317	17.459	3716452	30.312	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/25/25 15:00	08/27/25 0:33	PB169398

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	13.0	J	1	8.36	30.3	ug/l	FE055524.D
Aliphatic C12-C16	Aliphatic C12-C16	16.4	J	1	13.6	20.2	ug/l	FE055524.D
Aliphatic C16-C21	Aliphatic C16-C21	17.1	J	1	8.42	30.3	ug/l	FE055524.D
Aliphatic C21-C28	Aliphatic C21-C28	13.8	J	1	12.6	40.4	ug/l	FE055524.D
Aliphatic C28-C40	Aliphatic C28-C40	143		1	24.0	60.6	ug/l	FE055524.D
Aromatic C10-C12	Aromatic C10-C12	11.6	J	1	2.09	20.2	ug/l	FD049678.D
Aromatic C12-C16	Aromatic C12-C16	15.3	J	1	4.30	30.3	ug/l	FD049678.D
Aromatic C16-C21	Aromatic C16-C21	66.6		1	8.35	50.5	ug/l	FD049678.D
Aromatic C21-C36	Aromatic C21-C36	49.5	J	1	24.0	80.8	ug/l	FD049678.D
Total AliphaticEPH	Total AliphaticEPH	203			67.0	182	ug/l	
Total AromaticEPH	Total AromaticEPH	143	J		38.7	182	ug/l	
Total EPH	Total EPH	346	J		106	364	ug/l	

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:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049678.D	1	08/25/25	08/26/25	PB169398

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		11.6	J	2.09	20.2	ug/l
Aromatic C12-C16	Aromatic C12-C16		15.3	J	4.30	30.3	ug/l
Aromatic C16-C21	Aromatic C16-C21		66.6		8.35	50.5	ug/l
Aromatic C21-C36	Aromatic C21-C36		49.5	J	24.0	80.8	ug/l
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		52.6		40 - 140	105%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		52.0		40 - 140	104%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		38.4		40 - 140	77%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2934-03	Acq On:	26 Aug 2025 20:08
Client Sample ID:	ENV-SW03	Operator:	YP/AJ
Data file:	FD049678.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.405	6.149	619521	5.74	200	ug/ml
Aromatic C12-C16	6.150	8.777	936497	7.578	300	ug/ml
Aromatic C16-C21	8.778	13.069	4169008	32.96	500	ug/ml
Aromatic C21-C36	13.070	18.490	2758451	24.494	800	ug/ml
Aromatic EPH	4.405	18.490	8483477	70.772		ug/ml
ortho-Terphenyl (SURR)	11.626	11.626	4984490	38.4		ug/ml
2-Bromonaphthalene (SURR)	7.715	7.715	5390679	52.6		ug/ml
2-Flurobiphenyl (SURR)	8.580	8.580	3802217	52.05		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055524.D	1	08/25/25	08/27/25	PB169398

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		13.0	J	8.36	30.3	ug/l
Aliphatic C12-C16	Aliphatic C12-C16		16.4	J	13.6	20.2	ug/l
Aliphatic C16-C21	Aliphatic C16-C21		17.1	J	8.42	30.3	ug/l
Aliphatic C21-C28	Aliphatic C21-C28		13.8	J	12.6	40.4	ug/l
Aliphatic C28-C40	Aliphatic C28-C40		143		24.0	60.6	ug/l
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		55.5		40 - 140	111%	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:	Q2934-03	Acq On:	27 Aug 2025 00:33
Client Sample ID:	ENV-SW03	Operator:	YP\AJ
Data file:	FE055524.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.953	749128	6.415	300	ug/ml
Aliphatic C12-C16	6.954	10.407	1013595	8.094	200	ug/ml
Aliphatic C16-C21	10.408	13.786	1068164	8.45	300	ug/ml
Aliphatic C21-C28	13.787	17.459	823293	6.832	400	ug/ml
Aliphatic C28-C40	17.460	22.479	8112014	71.166	600	ug/ml
Aliphatic EPH	3.317	22.479	11766194	100.957		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	5962333	55.45		ug/ml
Aliphatic C9-C28	3.317	17.459	3654180	29.791	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/25/25 15:00	08/27/25 1:03	PB169398

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	13.5	J	1	8.28	30.0	ug/l	FE055525.D
Aliphatic C12-C16	Aliphatic C12-C16	16.0	J	1	13.5	20.0	ug/l	FE055525.D
Aliphatic C16-C21	Aliphatic C16-C21	14.8	J	1	8.34	30.0	ug/l	FE055525.D
Aliphatic C21-C28	Aliphatic C21-C28	17.1	J	1	12.5	40.0	ug/l	FE055525.D
Aliphatic C28-C40	Aliphatic C28-C40	191		1	23.8	60.0	ug/l	FE055525.D
Aromatic C10-C12	Aromatic C10-C12	13.1	J	1	2.07	20.0	ug/l	FD049685.D
Aromatic C12-C16	Aromatic C12-C16	14.7	J	1	4.26	30.0	ug/l	FD049685.D
Aromatic C16-C21	Aromatic C16-C21	81.6		1	8.27	50.0	ug/l	FD049685.D
Aromatic C21-C36	Aromatic C21-C36	79.4	J	1	23.8	80.0	ug/l	FD049685.D
Total AliphaticEPH	Total AliphaticEPH	252			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	189			38.4	180	ug/l	
Total EPH	Total EPH	441			105	360	ug/l	

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:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049685.D	1	08/25/25	08/27/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	13.1	J	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	14.7	J	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	81.6		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	79.4	J	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	67.9		40 - 140	136%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	68.5		40 - 140	137%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	67.9		40 - 140	136%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q2934-04	Acq On:	27 Aug 2025 09:29
Client Sample ID:	ENV-SW04	Operator:	YP/AJ
Data file:	FD049685.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	4.406	6.149	707417	6.554	200	ug/ml
Aromatic C12-C16	6.150	8.778	905364	7.326	300	ug/ml
Aromatic C16-C21	8.779	13.069	5160483	40.799	500	ug/ml
Aromatic C21-C36	13.070	18.489	4472853	39.717	800	ug/ml
Aromatic EPH	4.406	18.489	11246117	94.396		ug/ml
2-Bromonaphthalene (SURR)	7.716	7.716	6961568	67.93		ug/ml
2-Flurobiphenyl (SURR)	8.582	8.582	5005893	68.53		ug/ml
ortho-Terphenyl (SURR)	11.629	11.629	8810222	67.88		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055525.D	1	08/25/25	08/27/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	13.5	J	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	16.0	J	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	14.8	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	17.1	J	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	191		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	60.0		40 - 140	120%	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:	Q2934-04	Acq On:	27 Aug 2025 01:03
Client Sample ID:	ENV-SW04	Operator:	YP\AJ
Data file:	FE055525.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.953	790211	6.767	300	ug/ml
Aliphatic C12-C16	6.954	10.407	999314	7.98	200	ug/ml
Aliphatic C16-C21	10.408	13.786	938305	7.423	300	ug/ml
Aliphatic C21-C28	13.787	17.459	1031489	8.56	400	ug/ml
Aliphatic C28-C40	17.460	22.479	10912173	95.732	600	ug/ml
Aliphatic EPH	3.317	22.479	14671492	126.461		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	6454993	60.03		ug/ml
Aliphatic C9-C28	3.317	17.459	3759319	30.73	1200	ug/ml

QC SUMMARY

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WATER EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2934

Run Number: FD082625AR

CLIENT SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB169398BL	84	85	95	0
PB169398BS	117	115	94	0
PB169398BSD	113	112	92	0
ENV-SW01	91	92	65	0
ENV-SW02	120	118	110	0
ENV-SW03	105	104	77	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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WATER EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2934

Run Number: FD082725AR

CLIENT SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
ENV-SW04	136	137	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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WATER EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2934

Run Number: FE082625AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB169398BL	117			0
PB169398BS	93			0
PB169398BSD	90			0
ENV-SW01	79			0
ENV-SW02	118			0
ENV-SW03	111			0
ENV-SW04	120			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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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Portal Partners Tri-Venture

Lab Code: ACE **SDG No:** Q2934

Sample No : PB169398BS **Datafile:** FD049673.D **Client ID :** PB169398BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS (%)
Aromatic C10-C12	200	158	79		(40-140)
Aromatic C12-C16	300	267	89		(40-140)
Aromatic C16-C21	500	491	98		(40-140)
Aromatic C21-C36	800	845	105		(40-140)

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS(%)
1,2,3-Trimethylbenzene (C10.1)	100.0	74.38688	74		(40-140)
Naphthalene (C11.7)	100.0	83.41781	83		(40-140)
2-Methylnaphthalene (C12.89)	100.0	80.52123	81		(40-140)
Acenaphthylene (C15.06)	100.0	92.32599	92		(40-140)
Acenaphthene (C15.5)	100.0	93.92701	94		(40-140)
Flouorene (C16.55)	100.0	99.54029	100		(40-140)
Phenanthrene (C19.36)	100.0	99.68794	100		(40-140)
Anthracene (C19.43)	100.0	87.73987	88		(40-140)
Fluoranthene (C21.85)	100.0	102.11997	102		(40-140)
Pyrene (C20.8)	100.0	100.90015	101		(40-140)
Benzo[a]anthracene (C26.37)	100.0	105.12168	105		(40-140)
Chrysene (C27.41)	100.0	112.73526	113		(40-140)
benzo[b]fluoranthene (C30.41)	100.0	106.86042	107		(40-140)
Bnezo[k]fluoranthene (C30.14)	100.0	109.86313	110		(40-140)
Benzo[a]pyrene (C31.34)	100.0	102.53499	103		(40-140)
Indeno[1,2,3-cd]pyrene (C35.01)	100.0	116.98599	117		(40-140)
Dibenz[a,h]anthracene (C30.36)	100.0	105.99883	106		(40-140)
Benzo[g,h,i]perylene (C34.01)	100.0	99.79192	100		(40-140)

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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Portal Partners Tri-Venture

Lab Code: ACE **SDG No:** Q2934

Sample No : PB169398BSD **Datafile:** FD049674.D **Client ID :** PB169398BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
Aromatic C10-C12	200	152	76		3.9|	(40-140)	25
Aromatic C12-C16	300	259	86		3|	(40-140)	25
Aromatic C16-C21	500	480	96		2.3|	(40-140)	25
Aromatic C21-C36	800	837	104		0.358|	(40-140)	25

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD |	QC LIMITS(%)	QC Limit Of RPD
1,2,3-Trimethylbenzene (C10.1)	100.0	72.10148	72		2.74|	(40-140)	25
Naphthalene (C11.7)	100.0	80.37186	80		3.68|	(40-140)	25
2-Methylnaphthalene (C12.89)	100.0	77.59310	78		3.77|	(40-140)	25
Acenaphthylene (C15.06)	100.0	89.53324	90		2.2|	(40-140)	25
Acenaphthene (C15.5)	100.0	91.48947	91		3.24|	(40-140)	25
Flouorene (C16.55)	100.0	97.00025	97		3.05|	(40-140)	25
Phenanthrene (C19.36)	100.0	97.49527	97		3.05|	(40-140)	25
Anthracene (C19.43)	100.0	85.83119	86		2.3|	(40-140)	25
Fluoranthene (C21.85)	100.0	99.81951	100		1.98|	(40-140)	25
Pyrene (C20.8)	100.0	98.72187	99		2|	(40-140)	25
Benzo[a]anthracene (C26.37)	100.0	103.79800	104		0.96|	(40-140)	25
Chrysene (C27.41)	100.0	111.10735	111		1.79|	(40-140)	25
benzo[b]fluoranthene (C30.41)	100.0	105.98032	106		0.94|	(40-140)	25
Bnezo[k]fluoranthene (C30.14)	100.0	108.01025	108		1.83|	(40-140)	25
Benzo[a]pyrene (C31.34)	100.0	101.69878	102		0.98|	(40-140)	25
Indeno[1,2,3-cd]pyrene (C35.01)	100.0	115.95801	116		0.86|	(40-140)	25
Dibenz[a,h]anthracene (C30.36)	100.0	105.73081	106		0|	(40-140)	25
Benzo[g,h,i]perylene (C34.01)	100.0	99.06460	99		1.01|	(40-140)	25

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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Portal Partners Tri-Venture

Lab Code: ACE **SDG No:** Q2934

Sample No : PB169398BS **Datafile:** FE055520.D **Client ID :** PB169398BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS (%)
Aliphatic C9-C12	300	165	55		(40-140)
Aliphatic C12-C16	200	138	69		(40-140)
Aliphatic C16-C21	300	248	83		(40-140)
Aliphatic C21-C28	400	355	89		(40-140)
Aliphatic C28-C40	600	612	102		(40-140)

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS(%)
n-Nonane (C9)	100.0	46.01639	46		(40-140)
n-Decane (C10)	100.0	55.68998	56		(40-140)
Naphthalene (C11.7)	100.0	0.00000	0	*	(40-140)
n-Dodecane (C12)	100.0	63.66968	64		(40-140)
2-methylnaphthalene (C12.89)	100.0	0.00000	0	*	(40-140)
n-Tetradecane (C14)	100.0	67.74767	68		(40-140)
n-Hexadecane (C16)	100.0	70.67480	71		(40-140)
n-Octadecane (C18)	100.0	76.45207	76		(40-140)
n-Eicosane (C20)	100.0	86.45705	86		(40-140)
n-Heneicosane (C21)	100.0	86.28111	86		(40-140)
n-Docosane (C22)	100.0	88.12266	88		(40-140)
n-Tetracosane (C24)	200.0	89.35086	45		(40-140)
n-Hexacosane (C26)	100.0	89.11361	89		(40-140)
n-Octacosane (C28)	100.0	89.33463	89		(40-140)
n-Tricontane (C30)	100.0	87.81063	88		(40-140)
n-Dotriacontane (C32)	100.0	90.59088	91		(40-140)
n-Tetratriacontane (C34)	100.0	98.04872	98		(40-140)
n-Hexatriacontane (C36)	100.0	107.82389	108		(40-140)
n-Octatriacontane (C38)	100.0	115.38372	115		(40-140)
n-Tetracontane (C40)	100.0	117.12282	117		(40-140)

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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** Portal Partners Tri-Venture

Lab Code: ACE **SDG No:** Q2934

Sample No : PB169398BSD **Datafile:** FE055521.D **Client ID :** PB169398BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD |	QC LIMITS (%)	QC Limit Of RPD
Aliphatic C9-C12	300	156	52		5.6|	(40-140)	25
Aliphatic C12-C16	200	125	62		9.9|	(40-140)	25
Aliphatic C16-C21	300	224	75		10.2|	(40-140)	25
Aliphatic C21-C28	400	322	80		9.8|	(40-140)	25
Aliphatic C28-C40	600	549	92		10.9|	(40-140)	25

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD |	QC LIMITS(%)	QC Limit Of RPD
n-Nonane (C9)	100.0	43.70571	44		4.44|	(40-140)	25
n-Decane (C10)	100.0	52.97225	53		5.5|	(40-140)	25
Naphthalene (C11.7)	100.0	0.00000	0	*	0|	(40-140)	25
n-Dodecane (C12)	100.0	59.46877	59		8.13|	(40-140)	25
2-methylnaphthalene (C12.89)	100.0	0.00000	0	*	0|	(40-140)	25
n-Tetradecane (C14)	100.0	61.72803	62		9.23|	(40-140)	25
n-Hexadecane (C16)	100.0	63.88871	64		10.37|	(40-140)	25
n-Octadecane (C18)	100.0	67.78951	68		11.11|	(40-140)	25
n-Eicosane (C20)	100.0	78.37333	78		9.76|	(40-140)	25
n-Heneicosane (C21)	100.0	78.68120	79		8.48|	(40-140)	25
n-Docosane (C22)	100.0	79.80130	80		9.52|	(40-140)	25
n-Tetracosane (C24)	200.0	81.27285	41		9.3|	(40-140)	25
n-Hexacosane (C26)	100.0	80.79557	81		9.41|	(40-140)	25
n-Octacosane (C28)	100.0	80.56853	81		9.41|	(40-140)	25
n-Tricontane (C30)	100.0	79.06262	79		10.78|	(40-140)	25
n-Dotriacontane (C32)	100.0	81.14895	81		11.63|	(40-140)	25
n-Tetratriacontane (C34)	100.0	87.49100	87		11.89|	(40-140)	25
n-Hexatriacontane (C36)	100.0	96.45558	96		11.76|	(40-140)	25
n-Octatriacontane (C38)	100.0	103.43145	103		11.01|	(40-140)	25
n-Tetracontane (C40)	100.0	105.43048	105		10.81|	(40-140)	25

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4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
PB169398BL

Lab Name: Alliance
Contract: PORT06
Lab Code: ACE
SDG NO.: Q2934
Instrument ID: FID_D
Lab Sample ID: PB169398BL
Matrix: (soil/water) Water
Date Extracted: 8/25/2025 3:00:00 P
Level: (low/med) low

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

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB169398BS	PB169398BS
PB169398BSD	PB169398BSD
ENV-SW01	Q2934-01
ENV-SW02	Q2934-02
ENV-SW03	Q2934-03
ENV-SW04	Q2934-04

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169398BL	SDG No.:	Q2934
Lab Sample ID:	PB169398BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/25/25 15:00	08/26/25 22:02	PB169398

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	1	8.28	30.0	ug/l	FE055519.D
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	1	13.5	20.0	ug/l	FE055519.D
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	1	8.34	30.0	ug/l	FE055519.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FE055519.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FE055519.D
Aromatic C10-C12	Aromatic C10-C12	2.07	U	1	2.07	20.0	ug/l	FD049672.D
Aromatic C12-C16	Aromatic C12-C16	4.26	U	1	4.26	30.0	ug/l	FD049672.D
Aromatic C16-C21	Aromatic C16-C21	8.27	U	1	8.27	50.0	ug/l	FD049672.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FD049672.D
Total AliphaticEPH	Total AliphaticEPH	66.4	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	38.4	U		38.4	180	ug/l	
Total EPH	Total EPH	105	U		105	360	ug/l	

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:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB169398BL		SDG No.:	Q2934	
Lab Sample ID:	PB169398BL		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049672.D	1	08/25/25	08/26/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	2.07	U	2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	4.26	U	4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	8.27	U	8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	23.8	U	23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	42.2		40 - 140	84%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	42.3		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.3		40 - 140	95%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169398BL	Acq On:	26 Aug 2025 15:36
Client Sample ID:	PB169398BL	Operator:	YP/AJ
Data file:	FD049672.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	4.405	6.149	0	0	200	ug/ml
Aromatic C12-C16	6.150	8.777	0	0	300	ug/ml
Aromatic C16-C21	8.778	13.069	0	0	500	ug/ml
Aromatic C21-C36	13.070	18.490	0	0	800	ug/ml
Aromatic EPH	4.405	18.490	0	0		ug/ml
ortho-Terphenyl (SURR)	11.628	11.628	6135663	47.27		ug/ml
2-Bromonaphthalene (SURR)	7.714	7.714	4325656	42.21		ug/ml
2-Flurobiphenyl (SURR)	8.579	8.579	3091068	42.32		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169398BL	SDG No.:	Q2934
Lab Sample ID:	PB169398BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055519.D	1	08/25/25	08/26/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	58.7		40 - 140	117%	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:	PB169398BL	Acq On:	26 Aug 2025 22:02
Client Sample ID:	PB169398BL	Operator:	YP\AJ
Data file:	FE055519.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.953	0	0	300	ug/ml
Aliphatic C12-C16	6.954	10.407	0	0	200	ug/ml
Aliphatic C16-C21	10.408	13.786	0	0	300	ug/ml
Aliphatic C21-C28	13.787	17.459	0	0	400	ug/ml
Aliphatic C28-C40	17.460	22.479	0	0	600	ug/ml
Aliphatic EPH	3.317	22.479	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	6309394	58.68		ug/ml
Aliphatic C9-C28	3.317	17.459	0	0	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169398BS	SDG No.:	Q2934
Lab Sample ID:	PB169398BS	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/25/25 15:00	08/26/25 22:32	PB169398

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	165		1	8.28	30.0	ug/l	FE055520.D
Aliphatic C12-C16	Aliphatic C12-C16	138		1	13.5	20.0	ug/l	FE055520.D
Aliphatic C16-C21	Aliphatic C16-C21	248		1	8.34	30.0	ug/l	FE055520.D
Aliphatic C21-C28	Aliphatic C21-C28	355		1	12.5	40.0	ug/l	FE055520.D
Aliphatic C28-C40	Aliphatic C28-C40	612		1	23.8	60.0	ug/l	FE055520.D
Aromatic C10-C12	Aromatic C10-C12	158		1	2.07	20.0	ug/l	FD049673.D
Aromatic C12-C16	Aromatic C12-C16	267		1	4.26	30.0	ug/l	FD049673.D
Aromatic C16-C21	Aromatic C16-C21	491		1	8.27	50.0	ug/l	FD049673.D
Aromatic C21-C36	Aromatic C21-C36	845		1	23.8	80.0	ug/l	FD049673.D
Total AliphaticEPH	Total AliphaticEPH	1520			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	1760			38.4	180	ug/l	
Total EPH	Total EPH	3280			105	360	ug/l	

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:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB169398BS		SDG No.:	Q2934	
Lab Sample ID:	PB169398BS		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049673.D	1	08/25/25	08/26/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	158		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	267		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	491		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	845		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	58.6		40 - 140	117%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	57.6		40 - 140	115%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.1		40 - 140	94%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169398BS	Acq On:	26 Aug 2025 16:21
Client Sample ID:	PB169398BS	Operator:	YP/AJ
Data file:	FD049673.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	4.405	6.149	8547036	79.183	200	ug/ml
Aromatic C12-C16	6.150	8.777	16511030	133.606	300	ug/ml
Aromatic C16-C21	8.778	13.069	31086512	245.77	500	ug/ml
Aromatic C21-C36	13.070	18.490	47610695	422.762	800	ug/ml
Aromatic EPH	4.405	18.490	103755273	881.321		ug/ml
2-Bromonaphthalene (SURR)	7.716	7.716	6001678	58.56		ug/ml
2-Flurobiphenyl (SURR)	8.581	8.581	4208858	57.62		ug/ml
ortho-Terphenyl (SURR)	11.628	11.628	6108502	47.06		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB169398BS		SDG No.:	Q2934	
Lab Sample ID:	PB169398BS		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055520.D	1	08/25/25	08/26/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	165		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	138		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	248		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	355		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	612		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.3		40 - 140	93%	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:	PB169398BS	Acq On:	26 Aug 2025 22:32
Client Sample ID:	PB169398BS	Operator:	YP\AJ
Data file:	FE055520.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.953	9675432	82.85	300	ug/ml
Aliphatic C12-C16	6.954	10.407	8670951	69.242	200	ug/ml
Aliphatic C16-C21	10.408	13.786	15729347	124.436	300	ug/ml
Aliphatic C21-C28	13.787	17.459	21444430	177.954	400	ug/ml
Aliphatic C28-C40	17.460	22.479	34912278	306.282	600	ug/ml
Aliphatic EPH	3.317	22.479	90432438	760.764		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.517	13.517	4982744	46.34		ug/ml
Aliphatic C9-C28	3.317	17.459	55520160	454.482	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB169398BSD	SDG No.:	Q2934
Lab Sample ID:	PB169398BSD	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/25/25 15:00	08/26/25 23:02	PB169398

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	156		1	8.28	30.0	ug/l	FE055521.D
Aliphatic C12-C16	Aliphatic C12-C16	125		1	13.5	20.0	ug/l	FE055521.D
Aliphatic C16-C21	Aliphatic C16-C21	224		1	8.34	30.0	ug/l	FE055521.D
Aliphatic C21-C28	Aliphatic C21-C28	322		1	12.5	40.0	ug/l	FE055521.D
Aliphatic C28-C40	Aliphatic C28-C40	549		1	23.8	60.0	ug/l	FE055521.D
Aromatic C10-C12	Aromatic C10-C12	152		1	2.07	20.0	ug/l	FD049674.D
Aromatic C12-C16	Aromatic C12-C16	259		1	4.26	30.0	ug/l	FD049674.D
Aromatic C16-C21	Aromatic C16-C21	480		1	8.27	50.0	ug/l	FD049674.D
Aromatic C21-C36	Aromatic C21-C36	837		1	23.8	80.0	ug/l	FD049674.D
Total AliphaticEPH	Total AliphaticEPH	1380			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	1730			38.4	180	ug/l	
Total EPH	Total EPH	3100			105	360	ug/l	

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:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB169398BSD		SDG No.:	Q2934	
Lab Sample ID:	PB169398BSD		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049674.D	1	08/25/25	08/26/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	152		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	259		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	480		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	837		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	56.6		40 - 140	113%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	55.8		40 - 140	112%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.2		40 - 140	92%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169398BSD	Acq On:	26 Aug 2025 17:07
Client Sample ID:	PB169398BSD	Operator:	YP/AJ
Data file:	FD049674.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.405	6.149	8256748	76.494	200	ug/ml
Aromatic C12-C16	6.150	8.777	16007593	129.532	300	ug/ml
Aromatic C16-C21	8.778	13.069	30380994	240.192	500	ug/ml
Aromatic C21-C36	13.070	18.490	47182234	418.957	800	ug/ml
Aromatic EPH	4.405	18.490	101827569	865.175		ug/ml
2-Bromonaphthalene (SURR)	7.716	7.716	5796429	56.56		ug/ml
2-Flurobiphenyl (SURR)	8.581	8.581	4078752	55.84		ug/ml
ortho-Terphenyl (SURR)	11.627	11.627	6000478	46.23		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB169398BSD		SDG No.:	Q2934	
Lab Sample ID:	PB169398BSD		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055521.D	1	08/25/25	08/26/25	PB169398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	156		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	125		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	224		8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	322		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	549		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.8		40 - 140	90%	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:	PB169398BSD	Acq On:	26 Aug 2025 23:02
Client Sample ID:	PB169398BSD	Operator:	YP\AJ
Data file:	FE055521.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.953	9134405	78.217	300	ug/ml
Aliphatic C12-C16	6.954	10.407	7868136	62.831	200	ug/ml
Aliphatic C16-C21	10.408	13.786	14188671	112.248	300	ug/ml
Aliphatic C21-C28	13.787	17.459	19427507	161.216	400	ug/ml
Aliphatic C28-C40	17.460	22.479	31302374	274.613	600	ug/ml
Aliphatic EPH	3.317	22.479	81921093	689.125		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	4816457	44.79		ug/ml
Aliphatic C9-C28	3.317	17.459	50618719	414.512	1200	ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FD081125AR

AreaCount

Parameter Range	FD049605.D	FD049606.D	FD049607.D	FD049608.D	FD049609.D	
Aromatic C10-C12	21248208.000	10706275.000	4323481.000	2259486.000	1053332.000	
Aromatic C12-C16	36818737.000	18573883.000	7415425.000	3854530.000	1789065.000	
Aromatic C16-C21	50607212.000	25605422.000	10134035.000	5257097.000	2395676.000	
Aromatic C21-C36	99935947.000	50494933.000	20336032.000	10453913.000	4981852.000	
Aromatic EPH	208610104.000	105380513.000	42208973.000	21825026.000	10219925.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	107939.663	2.772				
Aromatic C12-C16	123580.1519996	2.666				
Aromatic C16-C21	126486.3605	3.348				
Aromatic C21-C36	112618.2539996	1.932				
Aromatic EPH	117007.1949996	2.388				

Concentration

Parameter Range	FD049605.D	FD049606.D	FD049607.D	FD049608.D	FD049609.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	FD049605.D	FD049606.D	FD049607.D	FD049608.D	FD049609.D	
Aromatic C10-C12	106241.040000	107062.750000	108087.025000	112974.300000	105333.200000	
Aromatic C12-C16	122729.123333	123825.886666	123590.416666	128484.333333	119271.000000	
Aromatic C16-C21	126518.030000	128027.110000	126675.437500	131427.425000	119783.800000	
Aromatic C21-C36	111039.941111	112210.962222	112977.955555	116154.588888	110707.822222	
Aromatic EPH	115894.502222	117089.458888	117247.147222	121250.144444	113554.722222	

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Inital Calibration Report for SequenceID : FE080125AL

AreaCount

Parameter Range	FE055102.D	FE055103.D	FE055104.D	FE055105.D	FE055106.D	
Aliphatic C9-C12	32408754.000	16891181.000	7003710.000	3577317.000	1909553.000	
Aliphatic C12-C16	23084106.000	11985802.000	4993920.000	2562730.000	1378723.000	
Aliphatic C16-C21	35136636.000	18127790.000	7566457.000	3893517.000	2072383.000	
Aliphatic C21-C28	44556926.000	23024093.000	9601695.000	4948829.000	2645478.000	
Aliphatic C28-C40	61529999.000	31908743.000	13279856.000	7025222.000	3998130.000	
Aliphatic EPH	196716421.000	101937609.000	42445638.000	22007615.000	12004267.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	116782.5973332	6.216				
Aliphatic C12-C16	125227.07	6.84				
Aliphatic C16-C21	126404.887333	6.459				
Aliphatic C21-C28	120505.7185	6.705				
Aliphatic C28-C40	113987.1949996	10.577				
Aliphatic EPH	119220.1465552	7.797				

Concentration

Parameter Range	FE055102.D	FE055103.D	FE055104.D	FE055105.D	FE055106.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	FE055102.D	FE055103.D	FE055104.D	FE055105.D	FE055106.D	
Aliphatic C9-C12	108029.180000	112607.873333	116728.500000	119243.900000	127303.533333	
Aliphatic C12-C16	115420.530000	119858.020000	124848.000000	128136.500000	137872.300000	
Aliphatic C16-C21	117122.120000	120851.933333	126107.616666	129783.900000	138158.866666	

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Inital Calibration Report for SequenceID : FE080125AL

Aliphatic C21-C28	111392.315000	115120.465000	120021.187500	123720.725000	132273.900000	
Aliphatic C28-C40	102549.998333	106362.476666	110665.466666	117087.033333	133271.000000	
Aliphatic EPH	109286.900555	113264.010000	117904.550000	122264.527777	133380.744444	

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Continuing Calibration Report for SequenceID : FD082625AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049670.D**						
Aromatic C10-C12	4267425.000	40.000	4.405	6.149	106685.625	107939.663	1.162
Aromatic C12-C16	7383707.000	60.000	6.150	8.777	123061.783	123580.152	0.419
Aromatic C16-C21	9769945.000	80.000	8.778	13.069	122124.313	126486.361	3.449
Aromatic C21-C36	20299067.000	180.000	13.070	18.490	112772.594	112618.254	-0.137
Aromatic EPH	41720144.000	360.000	4.405	18.490	115889.289	117007.195	0.955

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	26 Aug 2025 11:12
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049670.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.405	6.149	4267425.000	40.000	ug/ml
Aromatic C12-C16	6.150	8.777	7383707.000	60.000	ug/ml
Aromatic C16-C21	8.778	13.069	9769945.000	80.000	ug/ml
Aromatic C21-C36	13.070	18.490	20299067.000	180.000	ug/ml
Aromatic EPH	4.405	18.490	41720144.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FD082625AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049681.D**						
Aromatic C10-C12	4425555.000	40.000	4.405	6.149	110638.875	107939.663	-2.501
Aromatic C12-C16	7638456.000	60.000	6.150	8.777	127307.600	123580.152	-3.016
Aromatic C16-C21	10201141.000	80.000	8.778	13.069	127514.263	126486.361	-0.813
Aromatic C21-C36	21291076.000	180.000	13.070	18.490	118283.756	112618.254	-5.031
Aromatic EPH	43556228.000	360.000	4.405	18.490	120989.522	117007.195	-3.403

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	26 Aug 2025 23:00
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049681.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.405	6.149	4425555.000	40.000	ug/ml
Aromatic C12-C16	6.150	8.777	7638456.000	60.000	ug/ml
Aromatic C16-C21	8.778	13.069	10201141.000	80.000	ug/ml
Aromatic C21-C36	13.070	18.490	21291076.000	180.000	ug/ml
Aromatic EPH	4.405	18.490	43556228.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FD082725AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049684.D**						
Aromatic C10-C12	4799858.000	40.000	4.406	6.149	119996.450	107939.663	-11.170
Aromatic C12-C16	8371051.000	60.000	6.150	8.778	139517.517	123580.152	-12.896
Aromatic C16-C21	10864762.000	80.000	8.779	13.069	135809.525	126486.361	-7.371
Aromatic C21-C36	21769018.000	180.000	13.070	18.489	120938.989	112618.254	-7.388
Aromatic EPH	45804689.000	360.000	4.406	18.489	127235.247	117007.195	-8.741

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Fax : 908 789 8922

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	27 Aug 2025 08:47
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049684.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.406	6.149	4799858.000	40.000	ug/ml
Aromatic C12-C16	6.150	8.778	8371051.000	60.000	ug/ml
Aromatic C16-C21	8.779	13.069	10864762.000	80.000	ug/ml
Aromatic C21-C36	13.070	18.489	21769018.000	180.000	ug/ml
Aromatic EPH	4.406	18.489	45804689.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD082725AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049687.D**						
Aromatic C10-C12	4723879.000	40.000	4.406	6.149	118096.975	107939.663	-9.410
Aromatic C12-C16	8202684.000	60.000	6.150	8.778	136711.400	123580.152	-10.626
Aromatic C16-C21	10706166.000	80.000	8.779	13.069	133827.075	126486.361	-5.804
Aromatic C21-C36	21685094.000	180.000	13.070	18.489	120472.744	112618.254	-6.974
Aromatic EPH	45317823.000	360.000	4.406	18.489	125882.842	117007.195	-7.586

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:	27 Aug 2025 10:56
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049687.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.406	6.149	4723879.000	40.000	ug/ml
Aromatic C12-C16	6.150	8.778	8202684.000	60.000	ug/ml
Aromatic C16-C21	8.779	13.069	10706166.000	80.000	ug/ml
Aromatic C21-C36	13.070	18.489	21685094.000	180.000	ug/ml
Aromatic EPH	4.406	18.489	45317823.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FE082625AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055518.D**						
Aliphatic C9-C12	6308304.000	60.000	3.317	6.953	105138.400	116782.597	9.971
Aliphatic C12-C16	4520647.000	40.000	6.954	10.407	113016.175	125227.070	9.751
Aliphatic C16-C21	7236304.000	60.000	10.408	13.786	120605.067	126404.887	4.588
Aliphatic C21-C28	9673533.000	80.000	13.787	17.459	120919.163	120505.719	-0.343
Aliphatic C28-C40	14975685.000	120.000	17.460	22.479	124797.375	113987.195	-9.484
Aliphatic EPH	42714473.000	360.000	3.317	22.479	118651.314	119220.147	0.477

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	26 Aug 2025 21:01
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055518.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.317	6.953	6308304.000	60.000	ug/ml
Aliphatic C12-C16	6.954	10.407	4520647.000	40.000	ug/ml
Aliphatic C16-C21	10.408	13.786	7236304.000	60.000	ug/ml
Aliphatic C21-C28	13.787	17.459	9673533.000	80.000	ug/ml
Aliphatic C28-C40	17.460	22.479	14975685.000	120.000	ug/ml
Aliphatic EPH	3.317	22.479	42714473.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FE082625AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE055527.D**						
Aliphatic C9-C12	6299453.000	60.000	3.317	6.953	104990.883	116782.597	10.097
Aliphatic C12-C16	4493017.000	40.000	6.954	10.407	112325.425	125227.070	10.303
Aliphatic C16-C21	7244194.000	60.000	10.408	13.786	120736.567	126404.887	4.484
Aliphatic C21-C28	9794661.000	80.000	13.787	17.459	122433.263	120505.719	-1.600
Aliphatic C28-C40	15672149.000	120.000	17.460	22.479	130601.242	113987.195	-14.575
Aliphatic EPH	43503474.000	360.000	3.317	22.479	120842.983	119220.147	-1.361

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	27 Aug 2025 02:34
Client Sample ID:		Operator:	YP\AJ
Data file:	FE055527.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.317	6.953	6299453.000	60.000	ug/ml
Aliphatic C12-C16	6.954	10.407	4493017.000	40.000	ug/ml
Aliphatic C16-C21	10.408	13.786	7244194.000	60.000	ug/ml
Aliphatic C21-C28	13.787	17.459	9794661.000	80.000	ug/ml
Aliphatic C28-C40	17.460	22.479	15672149.000	120.000	ug/ml
Aliphatic EPH	3.317	22.479	43503474.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049676.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 18:38
Operator : YP/AJ
Sample : Q2934-01
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-SW01

Integration File: autoint1.e
Quant Time: Aug 27 01:43:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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...	7.715	4658887	45.458 ug/ml
Spiked Amount 50.000		Recovery = 90.92%	
6) S 2-Flurobiphenyl (SURR)	8.580	3349747	45.858 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 91.72%	
11) S ortho-Terphenyl (SURR)	11.625	4240172	32.668 ug/ml
Spiked Amount 50.000		Recovery = 65.34%	
Target Compounds			

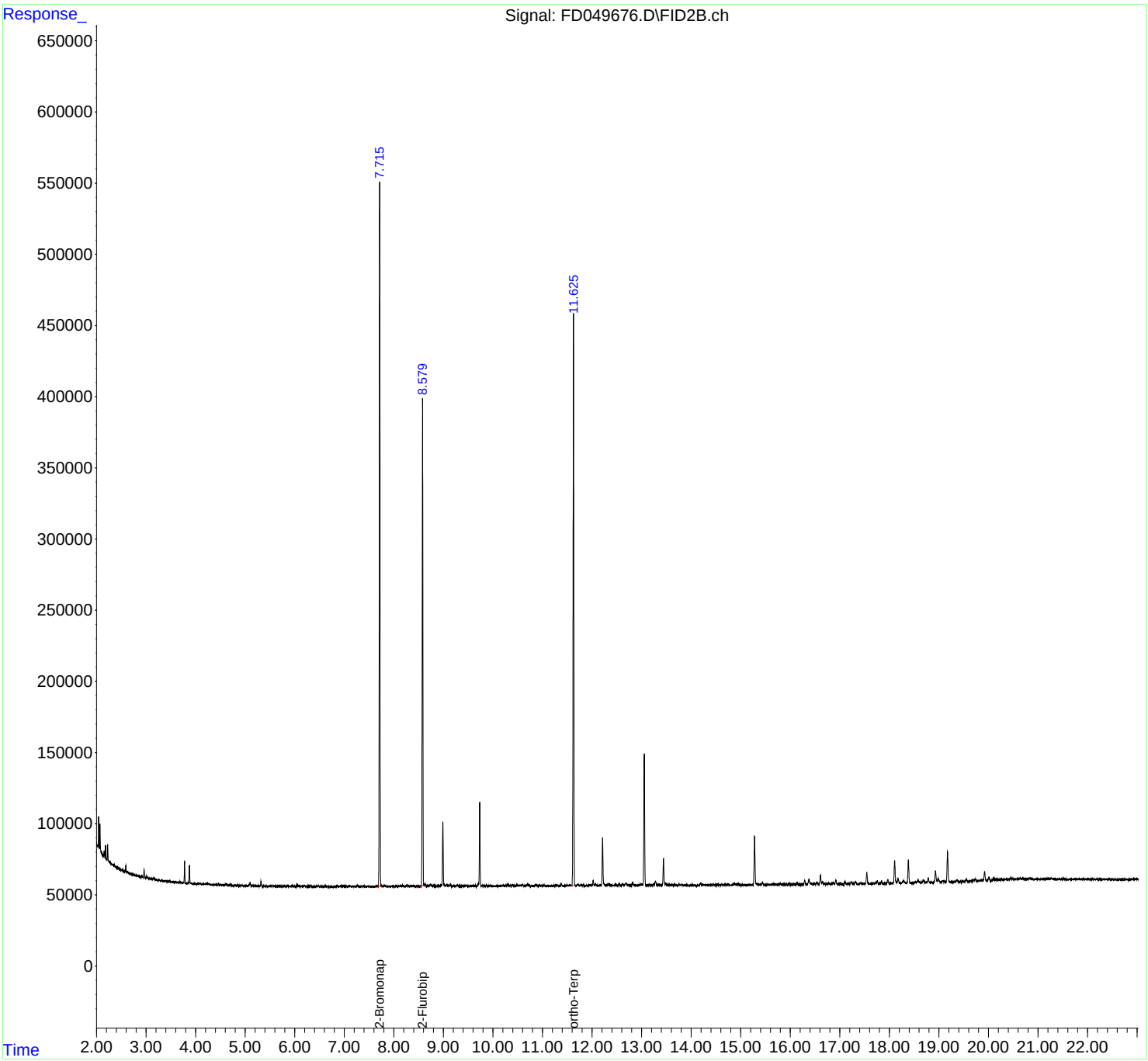
(f)=RT Delta > 1/2 Window (m)=manual int.

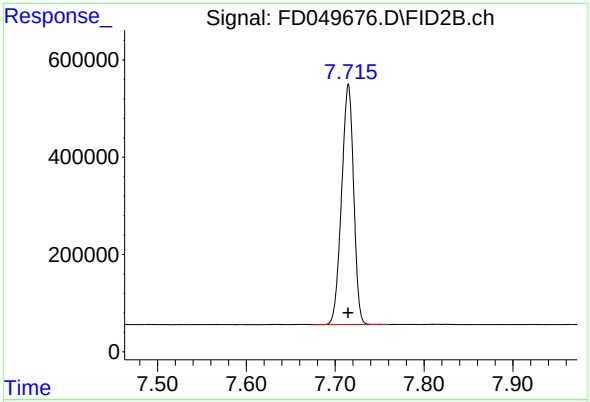
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049676.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 18:38
Operator : YP/AJ
Sample : Q2934-01
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-SW01

Integration File: autoint1.e
Quant Time: Aug 27 01:43:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

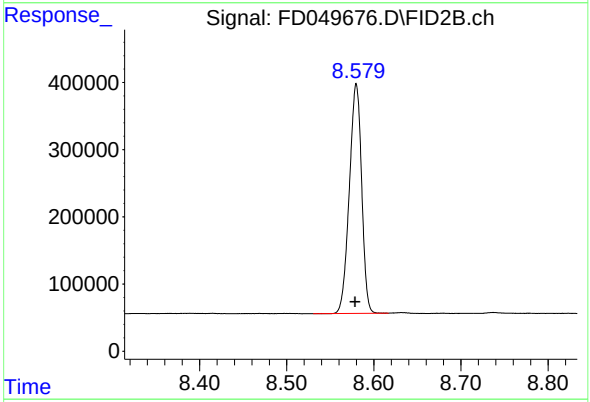




#4 2-Bromonaphthalene (SURR)

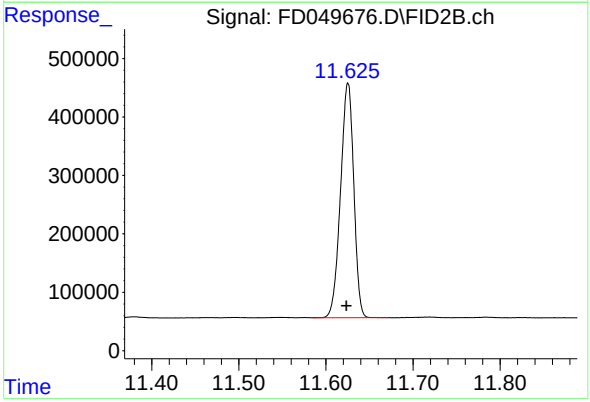
R.T.: 7.715 min
Delta R.T.: 0.000 min
Response: 4658887
Conc: 45.46 ug/ml

Instrument :
FID_D
ClientSampleId :
ENV-SW01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.580 min
Delta R.T.: 0.001 min
Response: 3349747
Conc: 45.86 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.625 min
Delta R.T.: 0.002 min
Response: 4240172
Conc: 32.67 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049676.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 18:38
Sample : Q2934-01
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.261	4.252	4.290	PH	745	7180	0.15%	0.035%
2	4.324	4.319	4.347	PV	171	1057	0.02%	0.005%
3	4.355	4.347	4.377	VV	340	4118	0.09%	0.020%
4	4.385	4.377	4.392	VV	270	1362	0.03%	0.007%
5	4.417	4.392	4.445	VV	749	10954	0.23%	0.054%
6	4.465	4.445	4.485	VV	1384	14629	0.31%	0.072%
7	4.506	4.485	4.521	VV	512	7131	0.15%	0.035%
8	4.542	4.521	4.560	VV	537	8056	0.17%	0.040%
9	4.574	4.560	4.591	VV	478	7377	0.16%	0.036%
10	4.610	4.591	4.622	VV	1201	13493	0.29%	0.066%
11	4.633	4.622	4.651	VV	1185	12293	0.26%	0.060%
12	4.657	4.651	4.676	VV	393	4975	0.11%	0.024%
13	4.690	4.676	4.704	VV	1000	11022	0.24%	0.054%
14	4.717	4.704	4.737	VV	1494	15554	0.33%	0.077%
15	4.749	4.737	4.755	PV	455	2434	0.05%	0.012%
16	4.775	4.755	4.785	VV	684	8164	0.17%	0.040%
17	4.800	4.785	4.812	VV	1109	11179	0.24%	0.055%
18	4.815	4.812	4.822	VV	601	2922	0.06%	0.014%
19	4.834	4.822	4.859	VV	679	10336	0.22%	0.051%
20	4.873	4.859	4.892	VV	314	4842	0.10%	0.024%
21	4.908	4.892	4.924	VV	602	7689	0.16%	0.038%
22	4.931	4.924	4.936	VV	456	2241	0.05%	0.011%
23	4.948	4.936	4.970	VV	557	7330	0.16%	0.036%
24	4.976	4.970	5.004	VV	399	6485	0.14%	0.032%
25	5.019	5.004	5.031	VV	646	6850	0.15%	0.034%
26	5.044	5.031	5.054	VV	507	5527	0.12%	0.027%
27	5.075	5.054	5.083	VV	923	11498	0.25%	0.057%
28	5.099	5.083	5.130	VV	2506	33622	0.72%	0.165%
29	5.156	5.130	5.177	VV	950	15099	0.32%	0.074%
30	5.184	5.177	5.189	VV	601	3888	0.08%	0.019%
31	5.197	5.189	5.241	VV	646	12522	0.27%	0.062%
32	5.254	5.241	5.260	VV	384	3251	0.07%	0.016%
33	5.265	5.260	5.271	VV	323	1563	0.03%	0.008%
34	5.278	5.271	5.285	VV	417	2733	0.06%	0.013%
35	5.289	5.285	5.302	VV	401	3519	0.08%	0.017%
36	5.318	5.302	5.354	VV	3922	43641	0.93%	0.215%

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37	5.365	5.354	5.415	VV	433	11284	0.24%	0.056%
38	5.422	5.415	5.428	VV	432	1999	0.04%	0.010%
39	5.435	5.428	5.450	VV	409	3412	0.07%	0.017%
40	5.454	5.450	5.475	VV	459	4197	0.09%	0.021%
41	5.501	5.475	5.524	VV	837	9600	0.21%	0.047%
42	5.541	5.524	5.561	PV	1143	14201	0.30%	0.070%
43	5.568	5.561	5.590	VV	573	6324	0.14%	0.031%
44	5.597	5.590	5.624	VV	542	6917	0.15%	0.034%
45	5.637	5.624	5.648	VV	357	4076	0.09%	0.020%
46	5.655	5.648	5.660	VV	496	2588	0.06%	0.013%
47	5.666	5.660	5.680	VV	476	4271	0.09%	0.021%
48	5.685	5.680	5.692	VV	496	3212	0.07%	0.016%
49	5.694	5.692	5.722	VV	533	6043	0.13%	0.030%
50	5.729	5.722	5.740	VV	349	3502	0.07%	0.017%
51	5.749	5.740	5.769	VV	419	5910	0.13%	0.029%
52	5.789	5.769	5.805	VV	593	8876	0.19%	0.044%
53	5.811	5.805	5.823	VV	391	3517	0.08%	0.017%
54	5.829	5.823	5.834	VV	371	1825	0.04%	0.009%
55	5.847	5.834	5.857	VV	608	5932	0.13%	0.029%
56	5.863	5.857	5.872	VV	411	3091	0.07%	0.015%
57	5.877	5.872	5.890	VV	425	3529	0.08%	0.017%
58	5.893	5.890	5.902	VV	347	1909	0.04%	0.009%
59	5.924	5.902	5.931	VV	488	6527	0.14%	0.032%
60	5.939	5.931	5.944	VV	450	2981	0.06%	0.015%
61	5.956	5.944	5.976	VV	788	11194	0.24%	0.055%
62	5.990	5.976	6.011	VV	526	8958	0.19%	0.044%
63	6.021	6.011	6.032	VV	604	5077	0.11%	0.025%
64	6.052	6.032	6.084	VV	1908	24737	0.53%	0.122%
65	6.096	6.084	6.118	VV	675	9307	0.20%	0.046%
66	6.142	6.118	6.169	VV	784	13342	0.29%	0.066%
67	6.199	6.169	6.218	VV	1059	18504	0.40%	0.091%
68	6.223	6.218	6.242	VV	547	5051	0.11%	0.025%
69	6.257	6.242	6.274	VV	569	7249	0.16%	0.036%
70	6.288	6.274	6.309	VV	506	7250	0.16%	0.036%
71	6.326	6.309	6.345	VV	1161	14423	0.31%	0.071%
72	6.355	6.345	6.365	VV	414	2939	0.06%	0.014%
73	6.373	6.365	6.384	VV	278	2177	0.05%	0.011%
74	6.388	6.384	6.404	VV	178	1521	0.03%	0.007%
75	6.415	6.404	6.429	VV	337	2783	0.06%	0.014%
76	6.437	6.429	6.454	VV	308	3246	0.07%	0.016%
77	6.458	6.454	6.462	VV	358	1463	0.03%	0.007%
78	6.479	6.462	6.505	VV	1028	14366	0.31%	0.071%
79	6.522	6.505	6.527	VV	414	4182	0.09%	0.021%
80	6.532	6.527	6.537	VV	342	1947	0.04%	0.010%
81	6.550	6.537	6.555	VV	354	3247	0.07%	0.016%
82	6.568	6.555	6.583	VV	442	4226	0.09%	0.021%
83	6.601	6.583	6.613	VV	534	6792	0.15%	0.033%
84	6.629	6.613	6.649	VV	891	11653	0.25%	0.057%
85	6.660	6.649	6.674	VV	502	4762	0.10%	0.023%
86	6.700	6.674	6.719	VV	573	8082	0.17%	0.040%
87	6.723	6.719	6.731	VV	234	1273	0.03%	0.006%
88	6.746	6.731	6.767	VV	387	3972	0.08%	0.020%
89	6.807	6.767	6.824	PV	402	7781	0.17%	0.038%

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90	6.860	6.824	6.890	VV	690	16589	0.35%	0.082%
91	6.898	6.890	6.902	VV	413	2512	0.05%	0.012%
92	6.919	6.902	6.947	VV	673	13865	0.30%	0.068%
93	6.978	6.947	6.990	VV	798	14775	0.32%	0.073%
94	6.997	6.990	7.030	VV	917	14332	0.31%	0.071%
95	7.041	7.030	7.049	VV	615	5439	0.12%	0.027%
96	7.054	7.049	7.071	VV	377	3806	0.08%	0.019%
97	7.102	7.071	7.121	VV	1092	17481	0.37%	0.086%
98	7.136	7.121	7.142	VV	424	4250	0.09%	0.021%
99	7.144	7.142	7.152	VV	398	1761	0.04%	0.009%
100	7.160	7.152	7.167	VV	610	4092	0.09%	0.020%
101	7.169	7.167	7.197	VV	438	5582	0.12%	0.027%
102	7.204	7.197	7.230	VV	389	5154	0.11%	0.025%
103	7.263	7.230	7.295	VV	1590	25796	0.55%	0.127%
104	7.322	7.295	7.336	VV	531	7784	0.17%	0.038%
105	7.345	7.336	7.354	VV	387	3196	0.07%	0.016%
106	7.365	7.354	7.384	VV	439	4990	0.11%	0.025%
107	7.398	7.384	7.449	VV	773	13256	0.28%	0.065%
108	7.470	7.449	7.484	VV	286	4496	0.10%	0.022%
109	7.492	7.484	7.516	VV	504	5591	0.12%	0.028%
110	7.547	7.516	7.558	VV	280	4599	0.10%	0.023%
111	7.567	7.558	7.588	VV	408	4267	0.09%	0.021%
112	7.593	7.588	7.605	VV	261	1675	0.04%	0.008%
113	7.633	7.613	7.647	VV	621	6376	0.14%	0.031%
114	7.664	7.647	7.685	VV	730	9101	0.19%	0.045%
115	7.715	7.685	7.760	VV	495076	4675170	100.00%	23.006%
116	7.765	7.760	7.779	VV	726	6409	0.14%	0.032%
117	7.780	7.779	7.786	VV	591	2143	0.05%	0.011%
118	7.791	7.786	7.798	VV	455	3196	0.07%	0.016%
119	7.816	7.798	7.822	VV	826	9670	0.21%	0.048%
120	7.826	7.822	7.849	VV	738	6890	0.15%	0.034%
121	7.857	7.849	7.867	VV	284	2431	0.05%	0.012%
122	7.872	7.867	7.880	VV	244	1942	0.04%	0.010%
123	7.887	7.880	7.892	VV	284	1584	0.03%	0.008%
124	7.904	7.892	7.912	VV	358	2520	0.05%	0.012%
125	7.922	7.912	7.942	VV	477	4972	0.11%	0.024%
126	7.964	7.942	7.989	VV	470	7133	0.15%	0.035%
127	8.013	7.989	8.018	VV	363	4176	0.09%	0.021%
128	8.023	8.018	8.038	VV	380	3698	0.08%	0.018%
129	8.056	8.038	8.090	VV	674	10237	0.22%	0.050%
130	8.094	8.090	8.119	VV	503	6486	0.14%	0.032%
131	8.124	8.119	8.128	VV	365	1756	0.04%	0.009%
132	8.164	8.128	8.210	VV	928	27826	0.60%	0.137%
133	8.212	8.210	8.219	VV	522	2065	0.04%	0.010%
134	8.224	8.219	8.232	VV	356	2376	0.05%	0.012%
135	8.269	8.232	8.315	VV	1610	31240	0.67%	0.154%
136	8.326	8.315	8.330	VV	472	3286	0.07%	0.016%
137	8.334	8.330	8.344	VV	500	3088	0.07%	0.015%
138	8.348	8.344	8.354	VV	391	2287	0.05%	0.011%
139	8.366	8.354	8.375	VV	615	6486	0.14%	0.032%
140	8.389	8.375	8.407	VV	763	11289	0.24%	0.056%
141	8.415	8.407	8.439	VV	840	8018	0.17%	0.039%

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142	8.469	8.439	8.487	VV	614	10300	0.22%	0.051%
143	8.504	8.487	8.530	VV	567	9367	0.20%	0.046%
144	8.538	8.530	8.548	VV	321	2755	0.06%	0.014%
145	8.580	8.548	8.617	VV	342238	3378936	72.27%	16.628%
146	8.632	8.617	8.662	VV	1865	28834	0.62%	0.142%
147	8.679	8.662	8.692	VV	785	11567	0.25%	0.057%
148	8.737	8.692	8.773	VV	1960	45133	0.97%	0.222%
149	8.778	8.773	8.787	VV	804	5998	0.13%	0.030%
150	8.793	8.787	8.798	VV	734	3988	0.09%	0.020%
151	8.804	8.798	8.818	VV	691	7255	0.16%	0.036%
152	8.824	8.818	8.845	VV	880	9084	0.19%	0.045%
153	8.851	8.845	8.864	VV	451	2982	0.06%	0.015%
154	8.870	8.864	8.877	VV	339	2461	0.05%	0.012%
155	8.894	8.877	8.908	VV	553	7904	0.17%	0.039%
156	8.919	8.908	8.929	VV	388	3720	0.08%	0.018%
157	8.989	8.929	9.034	VV	45430	494028	10.57%	2.431%
158	9.045	9.034	9.055	VV	849	8836	0.19%	0.043%
159	9.072	9.055	9.093	VV	1845	24891	0.53%	0.122%
160	9.107	9.093	9.124	VV	1287	16529	0.35%	0.081%
161	9.143	9.124	9.161	VV	1722	22013	0.47%	0.108%
162	9.165	9.161	9.169	VV	337	1619	0.03%	0.008%
163	9.174	9.169	9.196	VV	463	6251	0.13%	0.031%
164	9.202	9.196	9.219	VV	419	4908	0.10%	0.024%
165	9.230	9.219	9.250	VV	584	7100	0.15%	0.035%
166	9.280	9.250	9.302	VV	1011	20602	0.44%	0.101%
167	9.322	9.302	9.360	VV	628	12903	0.28%	0.063%
168	9.388	9.360	9.400	VV	562	9581	0.20%	0.047%
169	9.428	9.400	9.438	VV	633	9058	0.19%	0.045%
170	9.455	9.438	9.490	VV	1086	18868	0.40%	0.093%
171	9.510	9.490	9.517	VV	452	4179	0.09%	0.021%
172	9.534	9.517	9.541	VV	425	4406	0.09%	0.022%
173	9.546	9.541	9.561	VV	463	4636	0.10%	0.023%
174	9.576	9.561	9.581	VV	388	3619	0.08%	0.018%
175	9.594	9.581	9.626	VV	594	10944	0.23%	0.054%
176	9.650	9.626	9.654	VV	724	9293	0.20%	0.046%
177	9.656	9.654	9.678	VV	613	4814	0.10%	0.024%
178	9.704	9.678	9.714	VV	1937	23459	0.50%	0.115%
179	9.734	9.714	9.778	VV	59404	586541	12.55%	2.886%
180	9.784	9.778	9.788	VV	598	2947	0.06%	0.015%
181	9.804	9.788	9.844	VV	903	16502	0.35%	0.081%
182	9.867	9.844	9.898	VV	955	15987	0.34%	0.079%
183	9.904	9.898	9.925	VV	381	4299	0.09%	0.021%
184	9.940	9.925	9.950	VV	587	6067	0.13%	0.030%
185	9.955	9.950	9.962	VV	474	2643	0.06%	0.013%
186	9.967	9.962	9.997	VV	352	5561	0.12%	0.027%
187	10.011	9.997	10.024	VV	484	4670	0.10%	0.023%
188	10.029	10.024	10.035	VV	271	1456	0.03%	0.007%
189	10.042	10.035	10.050	VV	301	2156	0.05%	0.011%
190	10.064	10.050	10.077	VV	392	3955	0.08%	0.019%
191	10.081	10.077	10.105	VV	291	3996	0.09%	0.020%
192	10.110	10.105	10.128	VV	299	2357	0.05%	0.012%
193	10.139	10.128	10.164	VV	278	3854	0.08%	0.019%
194	10.172	10.164	10.177	VV	366	2123	0.05%	0.010%

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195	10.199	10.177	10.232	VV	810	17613	0.38%	0.087%
196	10.259	10.232	10.269	VV	646	11106	0.24%	0.055%
197	10.281	10.269	10.289	VV	1246	11788	0.25%	0.058%
198	10.302	10.289	10.324	VV	1438	21831	0.47%	0.107%
199	10.332	10.324	10.342	VV	664	6444	0.14%	0.032%
200	10.350	10.342	10.370	VV	604	7679	0.16%	0.038%
201	10.387	10.370	10.408	VV	1434	19523	0.42%	0.096%
202	10.417	10.408	10.436	VV	660	7915	0.17%	0.039%
203	10.447	10.436	10.456	VV	541	5293	0.11%	0.026%
204	10.486	10.456	10.524	VV	1200	26670	0.57%	0.131%
205	10.554	10.524	10.574	VV	778	17409	0.37%	0.086%
206	10.602	10.574	10.631	VV	1174	25530	0.55%	0.126%
207	10.638	10.631	10.642	VV	339	2161	0.05%	0.011%
208	10.657	10.642	10.668	VV	681	7185	0.15%	0.035%
209	10.700	10.668	10.719	VV	1371	25666	0.55%	0.126%
210	10.722	10.719	10.727	VV	634	2738	0.06%	0.013%
211	10.737	10.727	10.770	VV	717	8924	0.19%	0.044%
212	10.793	10.770	10.812	VV	767	9414	0.20%	0.046%
213	10.834	10.812	10.840	VV	484	6247	0.13%	0.031%
214	10.856	10.840	10.872	VV	1049	13807	0.30%	0.068%
215	10.884	10.872	10.900	VV	627	8728	0.19%	0.043%
216	10.909	10.900	10.913	VV	604	4184	0.09%	0.021%
217	10.919	10.913	10.924	VV	653	3555	0.08%	0.017%
218	10.928	10.924	10.959	VV	634	9216	0.20%	0.045%
219	10.982	10.959	10.989	VV	532	6578	0.14%	0.032%
220	10.994	10.989	11.001	VV	302	1843	0.04%	0.009%
221	11.027	11.001	11.044	VV	689	12742	0.27%	0.063%
222	11.059	11.044	11.072	VV	498	5334	0.11%	0.026%
223	11.084	11.072	11.091	VV	371	2700	0.06%	0.013%
224	11.095	11.091	11.112	VV	307	3133	0.07%	0.015%
225	11.129	11.112	11.136	VV	318	3447	0.07%	0.017%
226	11.168	11.146	11.192	VV	346	5158	0.11%	0.025%
227	11.202	11.192	11.211	VV	178	1416	0.03%	0.007%
228	11.236	11.211	11.257	VV	735	10346	0.22%	0.051%
229	11.273	11.257	11.289	VV	858	10236	0.22%	0.050%
230	11.302	11.289	11.334	VV	945	12820	0.27%	0.063%
231	11.380	11.334	11.411	VV	1972	30728	0.66%	0.151%
232	11.464	11.411	11.480	PV	608	10667	0.23%	0.052%
233	11.496	11.480	11.517	VV	847	11945	0.26%	0.059%
234	11.524	11.517	11.528	VV	375	2333	0.05%	0.011%
235	11.547	11.528	11.565	VV	929	14236	0.30%	0.070%
236	11.577	11.565	11.588	VV	631	6273	0.13%	0.031%
237	11.625	11.588	11.683	VV	402491	4262641	91.18%	20.976%
238	11.719	11.683	11.745	VV	1545	31225	0.67%	0.154%
239	11.784	11.745	11.811	VV	1191	25376	0.54%	0.125%
240	11.829	11.811	11.846	VV	645	7755	0.17%	0.038%
241	11.873	11.846	11.900	VV	434	7753	0.17%	0.038%
242	11.905	11.900	11.911	VV	532	2652	0.06%	0.013%
243	11.923	11.911	11.930	VV	542	4213	0.09%	0.021%
244	11.952	11.930	11.965	VV	656	10880	0.23%	0.054%
245	11.971	11.965	11.998	VV	757	10326	0.22%	0.051%
246	12.022	11.998	12.047	VV	4051	51866	1.11%	0.255%

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247	12.065	12.047	12.125	VV	1114	31041	0.66%	0.153%
248	12.150	12.125	12.163	VV	525	9895	0.21%	0.049%
249	12.212	12.163	12.281	VV	34029	420413	8.99%	2.069%
250	12.308	12.281	12.315	VV	844	13856	0.30%	0.068%
251	12.326	12.315	12.370	VV	1250	29009	0.62%	0.143%
252	12.377	12.370	12.384	VV	743	5269	0.11%	0.026%
253	12.390	12.384	12.435	VV	850	15809	0.34%	0.078%
254	12.472	12.435	12.515	VV	1276	30692	0.66%	0.151%
255	12.548	12.515	12.575	VV	1467	24374	0.52%	0.120%
256	12.611	12.575	12.630	VV	1597	25230	0.54%	0.124%
257	12.635	12.630	12.644	VV	583	3669	0.08%	0.018%
258	12.689	12.644	12.718	VV	1905	47023	1.01%	0.231%
259	12.741	12.718	12.769	VV	806	14082	0.30%	0.069%
260	12.825	12.769	12.865	VV	2119	46134	0.99%	0.227%
261	12.874	12.865	12.880	VV	568	4357	0.09%	0.021%
262	12.884	12.880	12.895	VV	519	3637	0.08%	0.018%
263	12.901	12.895	12.927	VV	478	7522	0.16%	0.037%
264	12.934	12.927	12.948	VV	448	5198	0.11%	0.026%
265	12.966	12.948	12.987	VV	1038	15900	0.34%	0.078%
266	13.006	12.987	13.024	VV	1373	20291	0.43%	0.100%
267	13.054	13.024	13.090	VV	92755	1069304	22.87%	5.262%
268	13.102	13.090	13.117	VV	513	6768	0.14%	0.033%
269	13.137	13.117	13.144	VV	502	6208	0.13%	0.031%
270	13.152	13.144	13.184	VV	516	9460	0.20%	0.047%
271	13.210	13.184	13.226	VV	809	13412	0.29%	0.066%
272	13.240	13.226	13.252	VV	915	11360	0.24%	0.056%
273	13.279	13.252	13.314	VV	3046	58108	1.24%	0.286%
274	13.326	13.314	13.349	VV	691	12398	0.27%	0.061%
275	13.364	13.349	13.375	VV	666	8026	0.17%	0.039%
276	13.392	13.375	13.405	VV	544	7493	0.16%	0.037%
277	13.442	13.405	13.504	VV	18982	253752	5.43%	1.249%
278	13.508	13.504	13.522	VV	728	6627	0.14%	0.033%
279	13.526	13.522	13.529	VV	586	2336	0.05%	0.011%
280	13.536	13.529	13.547	VV	672	5432	0.12%	0.027%
281	13.561	13.547	13.569	VV	696	6665	0.14%	0.033%
282	13.570	13.569	13.596	VV	577	6603	0.14%	0.032%
283	13.617	13.596	13.635	VV	647	11104	0.24%	0.055%
284	13.640	13.635	13.647	VV	542	3047	0.07%	0.015%
285	13.674	13.647	13.694	VV	924	17232	0.37%	0.085%
286	13.697	13.694	13.711	VV	352	2336	0.05%	0.011%
287	13.755	13.711	13.781	VV	1078	19249	0.41%	0.095%
288	13.805	13.781	13.854	VV	1080	22522	0.48%	0.111%
289	13.863	13.854	13.869	VV	457	3700	0.08%	0.018%
290	13.873	13.869	13.884	VV	457	3776	0.08%	0.019%
291	13.893	13.884	13.905	VV	430	4556	0.10%	0.022%
292	13.911	13.905	13.949	VV	426	6647	0.14%	0.033%
293	13.955	13.949	13.970	VV	228	2069	0.04%	0.010%
294	13.980	13.970	13.997	VV	472	3658	0.08%	0.018%
295	14.001	13.997	14.009	VV	294	1677	0.04%	0.008%
296	14.018	14.009	14.021	VV	352	2092	0.04%	0.010%
297	14.027	14.021	14.034	VV	461	2359	0.05%	0.012%
298	14.039	14.034	14.047	VV	336	2160	0.05%	0.011%
299	14.062	14.047	14.078	VV	361	4929	0.11%	0.024%

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300	14.084	14.078	14.102	VV	368	3200	0.07%	0.016%
301	14.127	14.114	14.138	PV	224	1654	0.04%	0.008%
302	14.148	14.138	14.163	VV	241	1913	0.04%	0.009%
303	14.192	14.163	14.220	VV	1707	26692	0.57%	0.131%
304	14.236	14.220	14.270	VV	961	15959	0.34%	0.079%
305	14.277	14.270	14.291	VV	419	4352	0.09%	0.021%
306	14.294	14.291	14.313	VV	298	3604	0.08%	0.018%
307	14.318	14.313	14.324	VV	366	1687	0.04%	0.008%
308	14.328	14.324	14.352	VV	372	4642	0.10%	0.023%
309	14.368	14.352	14.381	VV	487	5797	0.12%	0.029%
310	14.394	14.381	14.418	VV	428	6454	0.14%	0.032%
311	14.440	14.418	14.452	VV	417	5114	0.11%	0.025%
312	14.467	14.452	14.492	VV	605	9487	0.20%	0.047%
313	14.495	14.492	14.502	VV	319	1679	0.04%	0.008%
314	14.530	14.502	14.559	VV	793	15541	0.33%	0.076%
315	14.580	14.559	14.593	VV	428	6007	0.13%	0.030%
316	14.604	14.593	14.611	VV	414	3378	0.07%	0.017%
317	14.625	14.611	14.643	VV	542	7299	0.16%	0.036%
318	14.649	14.643	14.652	VV	368	1743	0.04%	0.009%
319	14.675	14.652	14.680	VV	493	5746	0.12%	0.028%
320	14.689	14.680	14.712	VV	522	8392	0.18%	0.041%
321	14.716	14.712	14.730	VV	380	3344	0.07%	0.016%
322	14.747	14.730	14.772	VV	980	14098	0.30%	0.069%
323	14.775	14.772	14.785	VV	481	1972	0.04%	0.010%
324	14.790	14.785	14.802	VV	270	1604	0.03%	0.008%
325	14.805	14.802	14.818	VV	320	1592	0.03%	0.008%
326	14.845	14.818	14.852	VV	713	9567	0.20%	0.047%
327	14.881	14.852	14.892	VV	1267	23277	0.50%	0.115%
328	14.899	14.892	14.925	VV	961	13268	0.28%	0.065%
329	14.949	14.925	14.987	VV	1709	26606	0.57%	0.131%
330	14.996	14.987	15.006	PV	126	1496	0.03%	0.007%
331	15.014	15.006	15.030	VV	308	2312	0.05%	0.011%
332	15.034	15.030	15.052	VV	200	1735	0.04%	0.009%
333	15.071	15.052	15.099	VV	607	8144	0.17%	0.040%
334	15.107	15.099	15.118	VV	201	1672	0.04%	0.008%
335	15.137	15.118	15.163	VV	238	4605	0.10%	0.023%
336	15.166	15.163	15.198	VV	332	3947	0.08%	0.019%
337	15.206	15.198	15.228	VV	490	4758	0.10%	0.023%
338	15.236	15.228	15.250	VV	311	2823	0.06%	0.014%
339	15.280	15.250	15.316	VV	34355	450060	9.63%	2.215%
340	15.323	15.316	15.354	VV	1112	17993	0.38%	0.089%
341	15.361	15.354	15.390	VV	589	9286	0.20%	0.046%
342	15.393	15.390	15.413	VV	450	5307	0.11%	0.026%
343	15.442	15.413	15.469	VV	2073	34038	0.73%	0.167%
344	15.481	15.477	15.489	VV	211	1214	0.03%	0.006%
345	15.494	15.489	15.506	VV	197	1418	0.03%	0.007%
346	15.514	15.506	15.527	VV	171	1812	0.04%	0.009%
347	15.559	15.537	15.597	VV	438	10228	0.22%	0.050%
348	15.608	15.597	15.624	VV	412	4606	0.10%	0.023%
349	15.644	15.624	15.676	VV	530	12503	0.27%	0.062%
350	15.686	15.676	15.727	VV	544	14187	0.30%	0.070%
351	15.744	15.727	15.754	VV	415	4564	0.10%	0.022%

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352	15.796	15.754	15.824	VV	1244	24100	0.52%	0.119%
353	15.848	15.824	15.874	VV	577	11548	0.25%	0.057%
354	15.887	15.874	15.903	VV	553	7813	0.17%	0.038%
355	15.925	15.903	15.958	VV	805	14294	0.31%	0.070%
356	15.981	15.958	16.006	VV	552	10806	0.23%	0.053%
357	16.063	16.006	16.090	VV	581	16892	0.36%	0.083%
358	16.135	16.090	16.162	VV	1495	25011	0.53%	0.123%
359	16.174	16.162	16.225	VV	443	8812	0.19%	0.043%
360	16.235	16.225	16.259	PV	271	3444	0.07%	0.017%
361	16.291	16.259	16.345	VV	3204	52697	1.13%	0.259%
362	16.380	16.345	16.457	VV	3320	87217	1.87%	0.429%
363	16.486	16.457	16.507	VV	1119	19699	0.42%	0.097%
364	16.540	16.507	16.570	VV	1273	29775	0.64%	0.147%
365	16.610	16.570	16.633	VV	6744	96010	2.05%	0.472%
366	16.648	16.633	16.740	VV	1773	41876	0.90%	0.206%
367	16.772	16.740	16.808	VV	1058	21990	0.47%	0.108%
368	16.869	16.808	16.892	VV	1407	34290	0.73%	0.169%
369	16.921	16.892	16.988	VV	2995	49189	1.05%	0.242%
370	17.003	16.988	17.039	PV	408	7736	0.17%	0.038%
371	17.048	17.039	17.075	VV	213	3771	0.08%	0.019%
372	17.106	17.075	17.137	VV	1814	30282	0.65%	0.149%
373	17.149	17.137	17.177	VV	442	6559	0.14%	0.032%
374	17.231	17.177	17.262	VV	1689	37748	0.81%	0.186%
375	17.270	17.262	17.284	VV	523	5760	0.12%	0.028%
376	17.316	17.284	17.370	VV	2168	39026	0.83%	0.192%
377	17.443	17.370	17.472	VV	719	25128	0.54%	0.124%
378	17.490	17.472	17.509	VV	513	8030	0.17%	0.040%
379	17.546	17.509	17.602	VV	8259	123770	2.65%	0.609%
380	17.607	17.602	17.620	VV	254	2201	0.05%	0.011%
381	17.642	17.620	17.657	VV	374	5634	0.12%	0.028%
382	17.675	17.657	17.700	VV	791	14114	0.30%	0.069%
383	17.754	17.700	17.784	VV	2167	48470	1.04%	0.239%
384	17.801	17.784	17.817	VV	568	7487	0.16%	0.037%
385	17.843	17.817	17.890	VV	2144	30859	0.66%	0.152%
386	17.907	17.890	17.929	VV	439	5127	0.11%	0.025%
387	17.970	17.929	18.008	PV	3011	47459	1.02%	0.234%
388	18.037	18.008	18.054	VV	601	11277	0.24%	0.055%
389	18.107	18.054	18.154	VV	16209	252193	5.39%	1.241%
390	18.177	18.154	18.220	VV	3558	60595	1.30%	0.298%
391	18.286	18.220	18.344	VV	1877	61013	1.31%	0.300%
392	18.384	18.344	18.428	VV	16715	236908	5.07%	1.166%
393	18.447	18.428	18.476	VV	818	11565	0.25%	0.057%

Sum of corrected areas: 20321103

Aromatic EPH 081125.M Wed Aug 27 02:11:06 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055522.D
Signal(s) : FID1B.ch
Acq On : 26 Aug 2025 23:32
Operator : YP\AJ
Sample : Q2934-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-SW01

Integration File: sample.E
Quant Time: Aug 27 02:38:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 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...	13.516	4252263	39.547 ug/ml
Spiked Amount 50.000		Recovery = 79.09%	
Target Compounds			

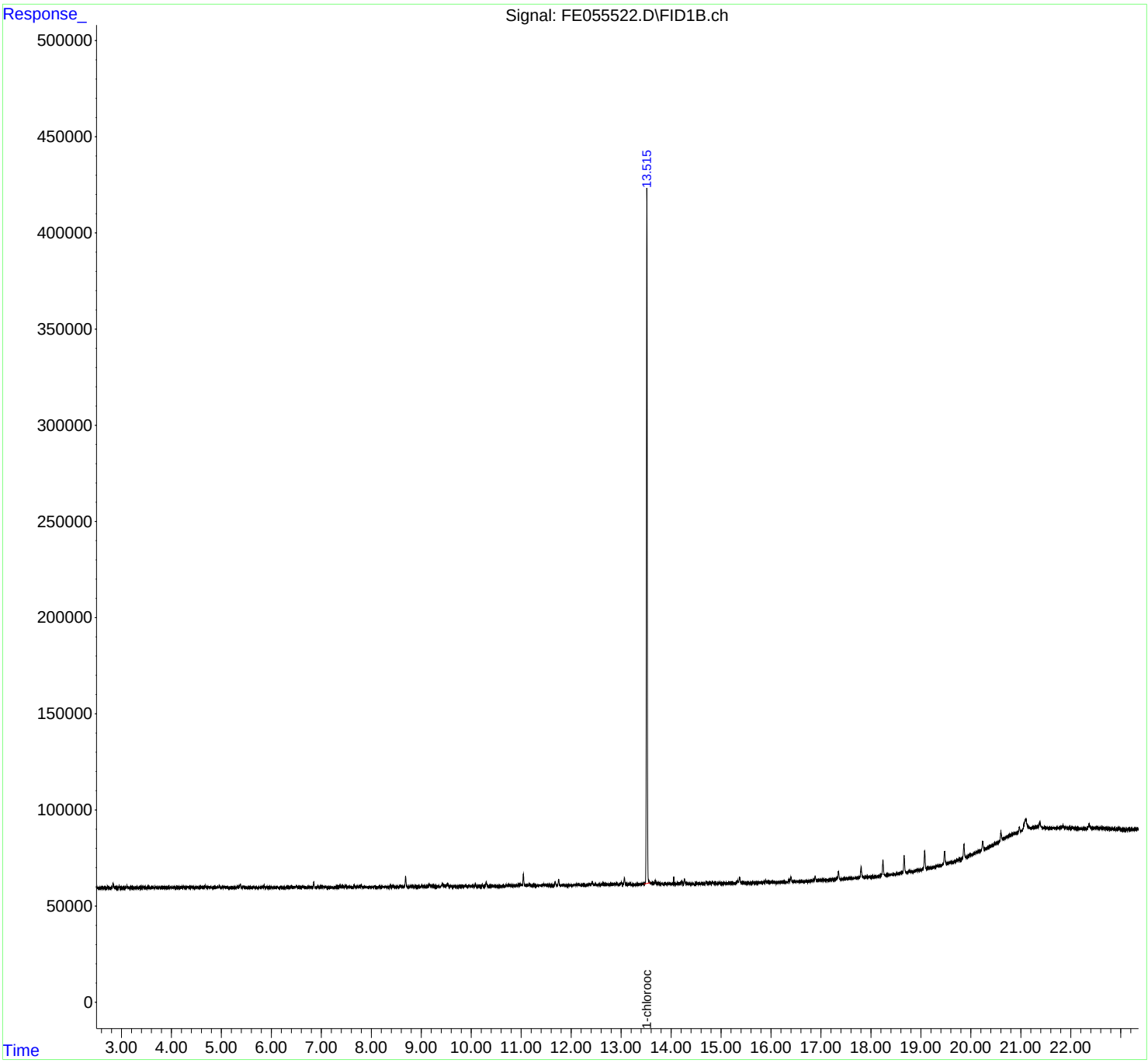
(f)=RT Delta > 1/2 Window (m)=manual int.

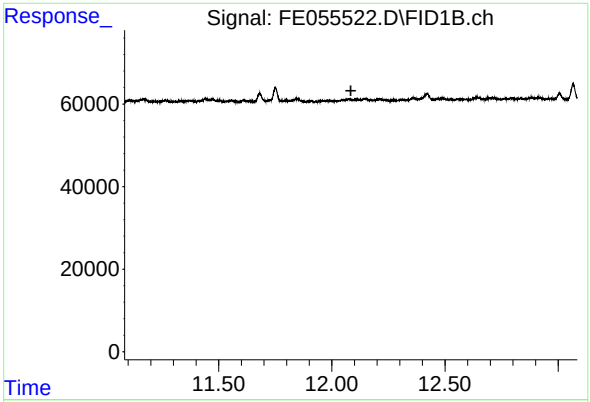
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055522.D
Signal(s) : FID1B.ch
Acq On : 26 Aug 2025 23:32
Operator : YP\AJ
Sample : Q2934-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-SW01

Integration File: sample.E
Quant Time: Aug 27 02:38:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

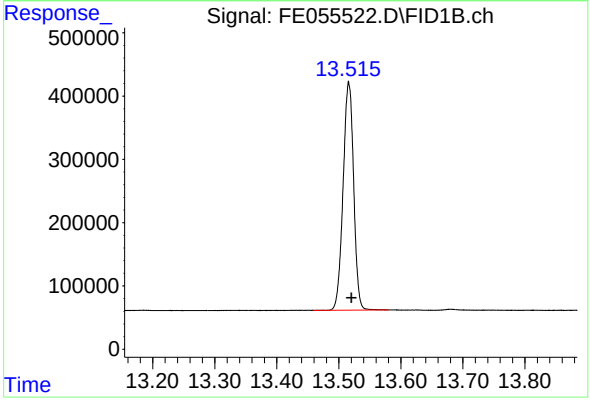




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.084 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
ENV-SW01



#12 1-chlorooctadecane (SURR)

R.T.: 13.516 min
Delta R.T.: -0.004 min
Response: 4252263
Conc: 39.55 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055522.D
Signal(s) : FID1B.ch
Acq On : 26 Aug 2025 23:32
Sample : Q2934-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.831	2.805	2.870	BV	1960	29483	0.68%	0.195%
2	2.885	2.870	2.919	PV	206	3241	0.07%	0.021%
3	2.953	2.919	2.988	VV	1050	12324	0.28%	0.081%
4	3.052	2.988	3.088	VV	182	4454	0.10%	0.029%
5	3.109	3.088	3.147	VV	1255	14145	0.33%	0.093%
6	3.180	3.147	3.236	VV	205	7636	0.18%	0.050%
7	3.250	3.236	3.264	VV	186	2501	0.06%	0.017%
8	3.283	3.264	3.311	VV	192	4453	0.10%	0.029%
9	3.342	3.311	3.351	VV	235	4158	0.10%	0.027%
10	3.363	3.351	3.375	VV	216	2253	0.05%	0.015%
11	3.379	3.375	3.385	VV	217	986	0.02%	0.007%
12	3.416	3.385	3.445	VV	459	9173	0.21%	0.061%
13	3.494	3.445	3.504	VV	232	7324	0.17%	0.048%
14	3.535	3.504	3.572	VV	415	11464	0.26%	0.076%
15	3.584	3.572	3.601	VV	315	4423	0.10%	0.029%
16	3.678	3.601	3.761	VV	335	26306	0.61%	0.174%
17	3.810	3.761	3.847	VV	414	14139	0.33%	0.093%
18	3.867	3.847	3.888	VV	391	6743	0.16%	0.045%
19	3.902	3.888	3.934	VV	328	6543	0.15%	0.043%
20	4.007	3.934	4.018	VV	395	12095	0.28%	0.080%
21	4.026	4.018	4.048	VV	310	4376	0.10%	0.029%
22	4.054	4.048	4.074	VV	303	3673	0.08%	0.024%
23	4.103	4.074	4.131	VV	375	8367	0.19%	0.055%
24	4.137	4.131	4.148	VV	225	1755	0.04%	0.012%
25	4.214	4.148	4.231	VV	519	12128	0.28%	0.080%
26	4.246	4.231	4.302	VV	825	14642	0.34%	0.097%
27	4.327	4.302	4.371	VV	346	10087	0.23%	0.067%
28	4.379	4.371	4.383	VV	304	1924	0.04%	0.013%
29	4.417	4.383	4.468	VV	649	19623	0.45%	0.130%
30	4.476	4.468	4.496	VV	264	4202	0.10%	0.028%
31	4.515	4.496	4.528	VV	310	4946	0.11%	0.033%
32	4.532	4.528	4.551	VV	285	3282	0.08%	0.022%
33	4.575	4.551	4.635	VV	341	14021	0.32%	0.093%
34	4.673	4.635	4.707	VV	1066	19228	0.44%	0.127%
35	4.717	4.707	4.735	VV	337	4401	0.10%	0.029%
36	4.750	4.735	4.771	VV	276	4676	0.11%	0.031%

rteres

37	4.790	4.771	4.821	VV	470	8829	0.20%	0.058%
38	4.862	4.821	4.904	VV	765	17193	0.40%	0.114%
39	4.925	4.904	4.941	VV	817	9821	0.23%	0.065%
40	4.959	4.941	4.980	VV	1131	13637	0.32%	0.090%
41	4.992	4.980	5.001	VV	309	3347	0.08%	0.022%
42	5.024	5.001	5.051	VV	325	7557	0.17%	0.050%
43	5.061	5.051	5.078	VV	346	4176	0.10%	0.028%
44	5.095	5.078	5.108	VV	390	5175	0.12%	0.034%
45	5.110	5.108	5.135	VV	263	3355	0.08%	0.022%
46	5.141	5.135	5.158	VV	228	2413	0.06%	0.016%
47	5.194	5.158	5.229	VV	235	7328	0.17%	0.048%
48	5.242	5.229	5.254	VV	194	2243	0.05%	0.015%
49	5.265	5.254	5.278	VV	156	2075	0.05%	0.014%
50	5.289	5.278	5.304	VV	242	3011	0.07%	0.020%
51	5.317	5.304	5.335	VV	229	4068	0.09%	0.027%
52	5.378	5.335	5.408	VV	2176	33739	0.78%	0.223%
53	5.439	5.408	5.461	PV	583	8752	0.20%	0.058%
54	5.467	5.461	5.485	VV	292	3055	0.07%	0.020%
55	5.497	5.485	5.526	VV	249	3977	0.09%	0.026%
56	5.541	5.526	5.567	VV	166	3018	0.07%	0.020%
57	5.579	5.567	5.585	VV	200	1329	0.03%	0.009%
58	5.592	5.585	5.608	VV	194	1946	0.04%	0.013%
59	5.622	5.608	5.651	VV	277	4281	0.10%	0.028%
60	5.673	5.651	5.681	VV	165	2252	0.05%	0.015%
61	5.688	5.681	5.715	VV	185	2517	0.06%	0.017%
62	5.720	5.715	5.774	VV	153	3886	0.09%	0.026%
63	5.783	5.774	5.794	VV	185	1450	0.03%	0.010%
64	5.815	5.794	5.833	VV	801	8769	0.20%	0.058%
65	5.858	5.833	5.890	VV	989	13468	0.31%	0.089%
66	5.916	5.890	5.957	VV	245	5925	0.14%	0.039%
67	6.009	5.957	6.029	VV	283	7057	0.16%	0.047%
68	6.038	6.029	6.045	VV	116	743	0.02%	0.005%
69	6.068	6.045	6.101	VV	193	3790	0.09%	0.025%
70	6.120	6.101	6.150	VV	293	5227	0.12%	0.035%
71	6.172	6.150	6.203	VV	208	4209	0.10%	0.028%
72	6.215	6.203	6.228	VV	175	1740	0.04%	0.011%
73	6.252	6.228	6.283	VV	177	3606	0.08%	0.024%
74	6.297	6.283	6.334	VV	242	4065	0.09%	0.027%
75	6.351	6.334	6.365	VV	257	3101	0.07%	0.020%
76	6.396	6.365	6.427	VV	437	9752	0.23%	0.064%
77	6.451	6.427	6.471	VV	474	7044	0.16%	0.047%
78	6.494	6.471	6.535	VV	757	13407	0.31%	0.089%
79	6.558	6.535	6.588	VV	570	9092	0.21%	0.060%
80	6.625	6.588	6.679	VV	407	15220	0.35%	0.101%
81	6.687	6.679	6.696	VV	223	2168	0.05%	0.014%
82	6.704	6.696	6.713	VV	273	2090	0.05%	0.014%
83	6.734	6.713	6.758	VV	301	5806	0.13%	0.038%
84	6.784	6.758	6.795	VV	259	5071	0.12%	0.033%
85	6.805	6.795	6.825	VV	227	3878	0.09%	0.026%
86	6.849	6.825	6.884	VV	3068	33977	0.79%	0.224%
87	6.937	6.884	6.957	VV	451	10396	0.24%	0.069%
88	6.971	6.957	6.985	VV	346	4655	0.11%	0.031%
89	7.004	6.985	7.028	VV	844	11147	0.26%	0.074%

rteres

90	7.040	7.028	7.061	VV	349	5042	0.12%	0.033%
91	7.079	7.061	7.108	VV	488	6447	0.15%	0.043%
92	7.134	7.108	7.165	VV	162	3145	0.07%	0.021%
93	7.184	7.165	7.212	VV	126	2547	0.06%	0.017%
94	7.224	7.212	7.261	PV	150	2842	0.07%	0.019%
95	7.267	7.261	7.288	VV	142	1600	0.04%	0.011%
96	7.306	7.288	7.339	VV	407	6896	0.16%	0.046%
97	7.362	7.339	7.373	VV	762	9521	0.22%	0.063%
98	7.383	7.373	7.398	VV	713	8577	0.20%	0.057%
99	7.425	7.398	7.456	VV	599	15291	0.35%	0.101%
100	7.491	7.456	7.517	VV	822	17075	0.39%	0.113%
101	7.530	7.517	7.558	VV	290	5429	0.13%	0.036%
102	7.600	7.558	7.621	VV	315	7714	0.18%	0.051%
103	7.629	7.621	7.634	VV	189	1306	0.03%	0.009%
104	7.657	7.634	7.681	VV	1536	18792	0.43%	0.124%
105	7.723	7.681	7.751	VV	409	12563	0.29%	0.083%
106	7.766	7.751	7.775	VV	458	5203	0.12%	0.034%
107	7.799	7.775	7.825	VV	1599	21568	0.50%	0.142%
108	7.840	7.825	7.853	VV	307	4530	0.10%	0.030%
109	7.863	7.853	7.878	VV	359	4001	0.09%	0.026%
110	7.893	7.878	7.929	VV	467	6950	0.16%	0.046%
111	7.963	7.929	7.999	VV	224	5537	0.13%	0.037%
112	8.007	7.999	8.021	VV	124	1477	0.03%	0.010%
113	8.025	8.021	8.041	VV	134	1055	0.02%	0.007%
114	8.067	8.041	8.102	VV	698	9424	0.22%	0.062%
115	8.128	8.102	8.137	VV	198	3156	0.07%	0.021%
116	8.146	8.137	8.150	VV	173	1351	0.03%	0.009%
117	8.163	8.150	8.191	VV	273	4618	0.11%	0.031%
118	8.209	8.191	8.228	VV	279	5252	0.12%	0.035%
119	8.232	8.228	8.248	VV	303	2970	0.07%	0.020%
120	8.333	8.248	8.354	VV	286	12675	0.29%	0.084%
121	8.378	8.354	8.413	VV	881	12468	0.29%	0.082%
122	8.434	8.413	8.465	VV	693	10386	0.24%	0.069%
123	8.474	8.465	8.488	VV	273	3089	0.07%	0.020%
124	8.491	8.488	8.521	VV	226	3630	0.08%	0.024%
125	8.592	8.521	8.652	VV	992	30928	0.71%	0.204%
126	8.686	8.652	8.760	VV	5693	84657	1.96%	0.559%
127	8.785	8.760	8.818	VV	524	13963	0.32%	0.092%
128	8.833	8.818	8.863	VV	457	8411	0.19%	0.056%
129	8.881	8.863	8.904	VV	373	5890	0.14%	0.039%
130	8.924	8.904	8.959	VV	468	6290	0.15%	0.042%
131	9.009	8.959	9.080	PV	1064	28718	0.66%	0.190%
132	9.111	9.080	9.121	VV	460	8942	0.21%	0.059%
133	9.162	9.121	9.213	VV	1352	43741	1.01%	0.289%
134	9.231	9.213	9.281	VV	896	22974	0.53%	0.152%
135	9.296	9.281	9.321	VV	478	6945	0.16%	0.046%
136	9.348	9.321	9.371	VV	379	7641	0.18%	0.050%
137	9.421	9.371	9.442	VV	1826	33675	0.78%	0.222%
138	9.453	9.442	9.491	VV	914	19573	0.45%	0.129%
139	9.533	9.491	9.590	VV	1562	45138	1.04%	0.298%
140	9.605	9.590	9.640	VV	553	8675	0.20%	0.057%
141	9.656	9.640	9.680	PV	339	4795	0.11%	0.032%

rteres

142	9.702	9.680	9.725	VV	323	4994	0.12%	0.033%
143	9.737	9.725	9.775	VV	207	5718	0.13%	0.038%
144	9.821	9.775	9.864	VV	579	13951	0.32%	0.092%
145	9.888	9.864	9.921	VV	923	15987	0.37%	0.106%
146	9.941	9.921	9.959	VV	436	6786	0.16%	0.045%
147	9.981	9.959	10.006	VV	294	6128	0.14%	0.040%
148	10.030	10.006	10.057	VV	635	11151	0.26%	0.074%
149	10.080	10.057	10.111	VV	1457	17126	0.40%	0.113%
150	10.125	10.111	10.134	VV	153	1834	0.04%	0.012%
151	10.142	10.134	10.155	VV	182	1765	0.04%	0.012%
152	10.169	10.155	10.193	VV	275	3744	0.09%	0.025%
153	10.221	10.193	10.261	VV	880	16385	0.38%	0.108%
154	10.302	10.261	10.353	VV	2613	37614	0.87%	0.248%
155	10.380	10.353	10.438	VV	334	12161	0.28%	0.080%
156	10.465	10.438	10.534	VV	343	8133	0.19%	0.054%
157	10.586	10.534	10.608	PV	327	6250	0.14%	0.041%
158	10.625	10.608	10.637	VV	324	4474	0.10%	0.030%
159	10.650	10.637	10.665	VV	364	4996	0.12%	0.033%
160	10.696	10.665	10.716	VV	783	13958	0.32%	0.092%
161	10.743	10.716	10.822	VV	824	30995	0.72%	0.205%
162	10.836	10.822	10.851	VV	305	5088	0.12%	0.034%
163	10.865	10.851	10.881	VV	369	5528	0.13%	0.037%
164	10.904	10.881	10.921	VV	453	9309	0.22%	0.061%
165	10.940	10.921	10.958	VV	681	13364	0.31%	0.088%
166	10.972	10.958	11.007	VV	980	22394	0.52%	0.148%
167	11.044	11.007	11.084	VV	6453	89308	2.06%	0.590%
168	11.115	11.084	11.135	VV	593	14571	0.34%	0.096%
169	11.173	11.135	11.211	VV	975	26215	0.61%	0.173%
170	11.222	11.211	11.231	VV	345	3194	0.07%	0.021%
171	11.265	11.231	11.288	VV	560	12678	0.29%	0.084%
172	11.307	11.288	11.318	VV	286	4301	0.10%	0.028%
173	11.333	11.318	11.343	VV	324	4195	0.10%	0.028%
174	11.370	11.343	11.401	VV	498	12661	0.29%	0.084%
175	11.441	11.401	11.465	VV	930	21649	0.50%	0.143%
176	11.472	11.465	11.488	VV	766	8451	0.20%	0.056%
177	11.503	11.488	11.527	VV	466	7760	0.18%	0.051%
178	11.554	11.527	11.588	VV	471	9716	0.22%	0.064%
179	11.611	11.588	11.653	VV	502	10519	0.24%	0.069%
180	11.681	11.653	11.706	VV	2121	29915	0.69%	0.198%
181	11.750	11.706	11.784	VV	3568	52534	1.21%	0.347%
182	11.798	11.784	11.808	VV	298	4067	0.09%	0.027%
183	11.844	11.808	11.881	VV	808	17112	0.40%	0.113%
184	11.908	11.881	11.923	VV	203	2641	0.06%	0.017%
185	11.978	11.923	12.021	PV	331	10405	0.24%	0.069%
186	12.077	12.021	12.092	VV	696	17022	0.39%	0.112%
187	12.111	12.092	12.131	VV	551	10686	0.25%	0.071%
188	12.146	12.131	12.178	VV	680	13846	0.32%	0.091%
189	12.188	12.178	12.194	VV	371	3148	0.07%	0.021%
190	12.211	12.194	12.256	VV	606	14372	0.33%	0.095%
191	12.272	12.256	12.285	VV	242	3622	0.08%	0.024%
192	12.307	12.285	12.325	VV	421	7452	0.17%	0.049%
193	12.359	12.325	12.378	VV	833	15878	0.37%	0.105%
194	12.421	12.378	12.455	VV	1814	41272	0.95%	0.273%

rteres

195	12.489	12.455	12.545	VV	688	24691	0.57%	0.163%
196	12.563	12.545	12.603	VV	453	13536	0.31%	0.089%
197	12.644	12.603	12.675	VV	841	23516	0.54%	0.155%
198	12.714	12.675	12.745	VV	693	21467	0.50%	0.142%
199	12.763	12.745	12.781	VV	489	9015	0.21%	0.060%
200	12.793	12.781	12.815	VV	629	10728	0.25%	0.071%
201	12.837	12.815	12.852	VV	555	10311	0.24%	0.068%
202	12.884	12.852	12.898	VV	666	15065	0.35%	0.100%
203	12.911	12.898	12.941	VV	722	13659	0.32%	0.090%
204	12.959	12.941	12.981	VV	497	9336	0.22%	0.062%
205	13.006	12.981	13.040	VV	1668	26361	0.61%	0.174%
206	13.066	13.040	13.118	VV	3967	58791	1.36%	0.388%
207	13.136	13.118	13.155	VV	389	7612	0.18%	0.050%
208	13.184	13.155	13.273	VV	680	21076	0.49%	0.139%
209	13.326	13.273	13.372	VV	436	17495	0.40%	0.116%
210	13.395	13.372	13.410	VV	378	7413	0.17%	0.049%
211	13.451	13.410	13.461	VV	551	13988	0.32%	0.092%
212	13.516	13.461	13.611	VV	359168	4326206	100.00%	28.579%
213	13.624	13.611	13.655	VV	1016	19035	0.44%	0.126%
214	13.681	13.655	13.723	VV	2033	44456	1.03%	0.294%
215	13.741	13.723	13.795	VV	687	22783	0.53%	0.151%
216	13.804	13.795	13.844	VV	476	11310	0.26%	0.075%
217	13.858	13.844	13.865	VV	398	4224	0.10%	0.028%
218	13.888	13.865	13.941	VV	458	18375	0.42%	0.121%
219	13.951	13.941	14.007	VV	520	14086	0.33%	0.093%
220	14.029	14.007	14.043	VV	412	6853	0.16%	0.045%
221	14.054	14.043	14.098	VV	1214	15219	0.35%	0.101%
222	14.124	14.098	14.159	VV	548	15698	0.36%	0.104%
223	14.215	14.159	14.245	VV	1721	36617	0.85%	0.242%
224	14.268	14.245	14.339	VV	2885	48183	1.11%	0.318%
225	14.358	14.339	14.369	VV	251	3758	0.09%	0.025%
226	14.374	14.369	14.385	VV	206	1608	0.04%	0.011%
227	14.401	14.385	14.414	VV	223	2618	0.06%	0.017%
228	14.425	14.414	14.470	VV	261	3856	0.09%	0.025%
229	14.497	14.470	14.548	PV	344	11374	0.26%	0.075%
230	14.566	14.548	14.588	VV	295	4710	0.11%	0.031%
231	14.645	14.588	14.678	VV	356	11528	0.27%	0.076%
232	14.707	14.678	14.748	VV	1295	23014	0.53%	0.152%
233	14.784	14.748	14.813	VV	841	18906	0.44%	0.125%
234	14.832	14.813	14.903	VV	1060	21902	0.51%	0.145%
235	14.914	14.903	14.931	VV	219	2986	0.07%	0.020%
236	14.969	14.931	15.018	VV	583	16685	0.39%	0.110%
237	15.033	15.018	15.051	VV	168	2257	0.05%	0.015%
238	15.144	15.051	15.176	VV	447	15801	0.37%	0.104%
239	15.218	15.176	15.274	VV	211	8118	0.19%	0.054%
240	15.330	15.274	15.347	VV	1563	26667	0.62%	0.176%
241	15.372	15.347	15.405	VV	3193	53775	1.24%	0.355%
242	15.421	15.405	15.478	VV	314	9481	0.22%	0.063%
243	15.485	15.478	15.535	VV	167	2825	0.07%	0.019%
244	15.562	15.535	15.591	PV	114	1873	0.04%	0.012%
245	15.642	15.591	15.661	VV	214	3661	0.08%	0.024%
246	15.771	15.661	15.794	PV	279	10045	0.23%	0.066%

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247	15.806	15.794	15.823	VV	298	3431	0.08%	0.023%
248	15.856	15.823	15.871	VV	576	9291	0.21%	0.061%
249	15.896	15.871	15.938	VV	1166	19759	0.46%	0.131%
250	15.978	15.938	16.017	VV	365	10224	0.24%	0.068%
251	16.054	16.017	16.065	VV	128	3273	0.08%	0.022%
252	16.162	16.065	16.175	VV	157	7341	0.17%	0.048%
253	16.207	16.175	16.247	VV	279	8735	0.20%	0.058%
254	16.267	16.247	16.315	VV	299	7329	0.17%	0.048%
255	16.360	16.315	16.376	VV	1124	18450	0.43%	0.122%
256	16.398	16.376	16.440	VV	2622	41238	0.95%	0.272%
257	16.451	16.440	16.504	VV	349	8969	0.21%	0.059%
258	16.531	16.504	16.551	VV	242	5362	0.12%	0.035%
259	16.575	16.551	16.591	VV	201	4050	0.09%	0.027%
260	16.609	16.591	16.670	VV	224	6664	0.15%	0.044%
261	16.709	16.670	16.728	PV	278	5382	0.12%	0.036%
262	16.849	16.728	16.858	VV	558	15705	0.36%	0.104%
263	16.884	16.858	16.911	VV	2646	39636	0.92%	0.262%
264	16.926	16.911	16.948	VV	263	5862	0.14%	0.039%
265	16.965	16.948	16.984	VV	315	5330	0.12%	0.035%
266	17.034	16.984	17.102	VV	287	15025	0.35%	0.099%
267	17.184	17.102	17.207	VV	193	6713	0.16%	0.044%
268	17.230	17.207	17.261	PV	224	4306	0.10%	0.028%
269	17.316	17.261	17.325	PV	797	10097	0.23%	0.067%
270	17.351	17.325	17.407	VV	4277	64914	1.50%	0.429%
271	17.434	17.407	17.445	VV	225	3390	0.08%	0.022%
272	17.500	17.445	17.537	VV	205	7844	0.18%	0.052%
273	17.553	17.537	17.597	VV	163	2439	0.06%	0.016%
274	17.804	17.597	17.865	VV	5861	112312	2.60%	0.742%
275	17.891	17.865	17.968	VV	453	13347	0.31%	0.088%
276	18.027	17.968	18.060	VV	318	6398	0.15%	0.042%
277	18.084	18.060	18.115	PV	206	3592	0.08%	0.024%
278	18.129	18.115	18.148	PV	148	1465	0.03%	0.010%
279	18.241	18.148	18.298	PV	8187	135259	3.13%	0.894%
280	18.332	18.298	18.361	VV	470	10466	0.24%	0.069%
281	18.436	18.361	18.455	VV	248	9302	0.22%	0.061%
282	18.511	18.455	18.531	PV	282	4450	0.10%	0.029%
283	18.575	18.531	18.590	VV	325	5264	0.12%	0.035%
284	18.664	18.590	18.710	VV	9160	138798	3.21%	0.917%
285	18.772	18.710	18.808	VV	623	16802	0.39%	0.111%
286	18.929	18.808	18.943	PV	347	9013	0.21%	0.060%
287	18.975	18.943	18.993	VV	218	4528	0.10%	0.030%
288	19.075	18.993	19.132	PV	9293	149301	3.45%	0.986%
289	19.177	19.132	19.196	VV	450	8521	0.20%	0.056%
290	19.332	19.196	19.358	VV	408	6644	0.15%	0.044%
291	19.380	19.358	19.398	PV	274	3619	0.08%	0.024%
292	19.474	19.398	19.525	VV	6917	120556	2.79%	0.796%
293	19.582	19.525	19.599	VV	393	11972	0.28%	0.079%
294	19.626	19.599	19.648	VV	387	6075	0.14%	0.040%
295	19.725	19.648	19.742	VV	775	18662	0.43%	0.123%
296	19.771	19.742	19.785	VV	689	13628	0.32%	0.090%
297	19.861	19.785	19.905	VV	7831	158859	3.67%	1.049%
298	20.104	19.905	20.114	VV	2302	193864	4.48%	1.281%
299	20.153	20.114	20.173	VV	2526	82051	1.90%	0.542%

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300	20.237	20.173	20.268	VV	7020	206847	4.78%	1.366%
301	20.602	20.268	20.632	VV	9507	911193	21.06%	6.019%
302	20.883	20.632	20.903	VV	7015	1034996	23.92%	6.837%
303	20.971	20.903	21.003	VV	9495	457617	10.58%	3.023%
304	21.095	21.003	21.188	VV	12767	1037803	23.99%	6.856%
305	21.379	21.188	21.458	VV	9150	1188845	27.48%	7.853%
306	21.471	21.458	21.525	VV	5922	221546	5.12%	1.464%
307	21.597	21.525	21.622	VV	5005	293067	6.77%	1.936%
308	21.636	21.622	21.644	VV	4613	59247	1.37%	0.391%
309	21.652	21.644	21.679	VV	4539	94270	2.18%	0.623%
310	21.737	21.679	21.771	VV	4159	226349	5.23%	1.495%
311	21.841	21.771	21.922	VV	4372	328843	7.60%	2.172%
312	21.930	21.922	21.962	VV	2758	63065	1.46%	0.417%
313	21.971	21.962	22.005	VV	2551	61277	1.42%	0.405%
314	22.016	22.005	22.055	VV	2187	60783	1.40%	0.402%
315	22.060	22.055	22.136	VV	1889	72254	1.67%	0.477%
316	22.153	22.136	22.219	VV	1001	34909	0.81%	0.231%
317	22.245	22.219	22.268	VV	251	5705	0.13%	0.038%
			Sum of corrected areas:			15137788		

Aliphatic EPH 080125.M Wed Aug 27 03:47:34 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049677.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 19:23
Operator : YP/AJ
Sample : Q2934-02
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-SW02

Integration File: autoint1.e
Quant Time: Aug 27 01:44:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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...	7.716	6137175	59.883 ug/ml
Spiked Amount 50.000		Recovery = 119.77%	
6) S 2-Flurobiphenyl (SURR)	8.581	4301667	58.890 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 117.78%	
11) S ortho-Terphenyl (SURR)	11.628	7108711	54.769 ug/ml
Spiked Amount 50.000		Recovery = 109.54%	
Target Compounds			

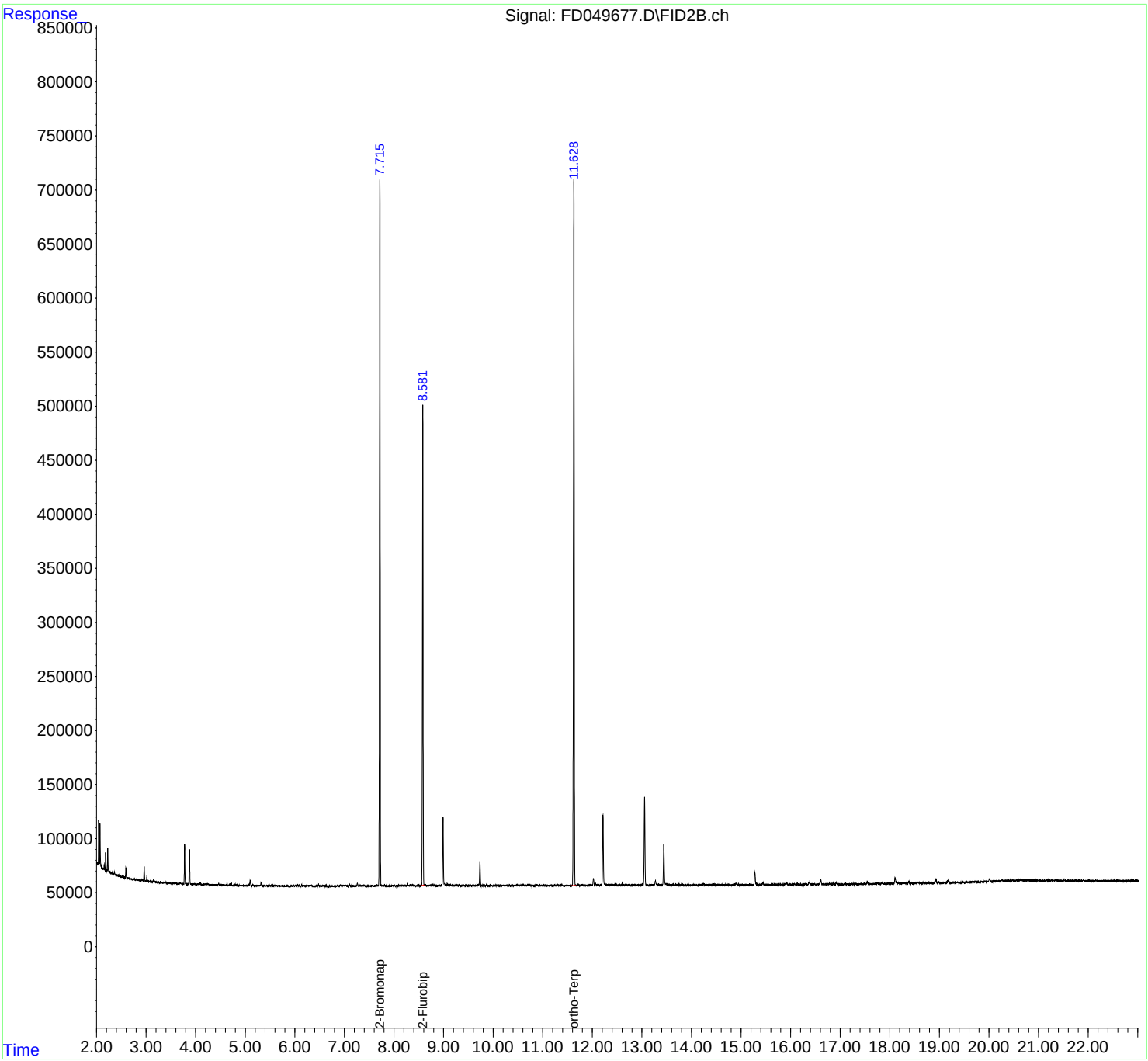
(f)=RT Delta > 1/2 Window (m)=manual int.

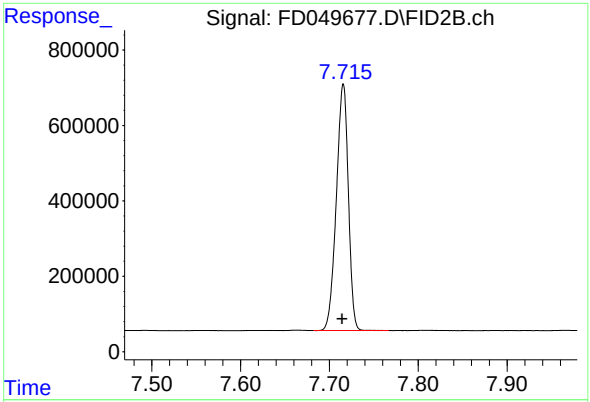
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049677.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 19:23
Operator : YP/AJ
Sample : Q2934-02
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-SW02

Integration File: autoint1.e
Quant Time: Aug 27 01:44:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

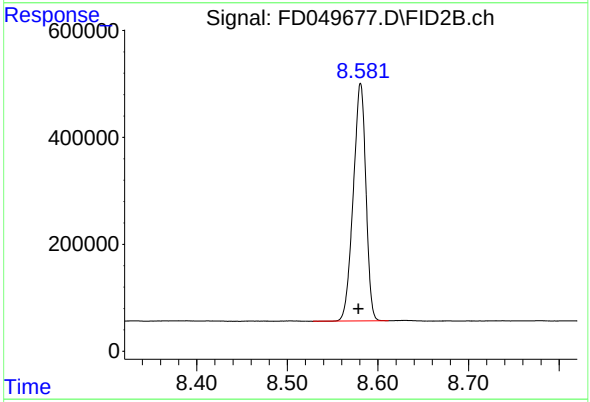




#4 2-Bromonaphthalene (SURR)

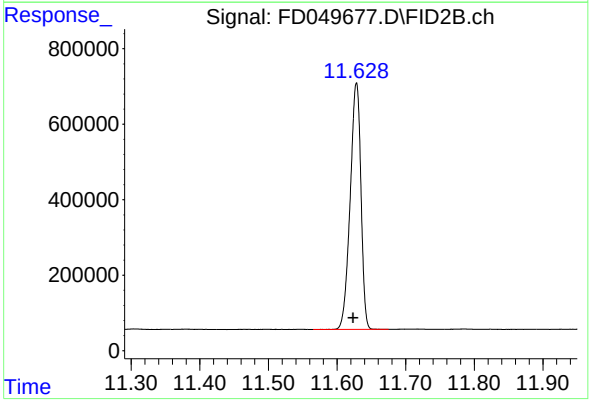
R.T.: 7.716 min
Delta R.T.: 0.001 min
Response: 6137175
Conc: 59.88 ug/ml

Instrument :
FID_D
ClientSampleId :
ENV-SW02



#6 2-Flurobiphenyl (SURR)

R.T.: 8.581 min
Delta R.T.: 0.002 min
Response: 4301667
Conc: 58.89 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.628 min
Delta R.T.: 0.005 min
Response: 7108711
Conc: 54.77 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049677.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 19:23
Sample : Q2934-02
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.262	4.252	4.290	BV	210	1490	0.02%	0.006%
2	4.303	4.290	4.318	PV	189	1180	0.02%	0.005%
3	4.324	4.318	4.335	VV	191	1079	0.02%	0.004%
4	4.358	4.335	4.408	VV	435	6363	0.09%	0.025%
5	4.419	4.408	4.446	VV	482	5339	0.07%	0.021%
6	4.464	4.446	4.490	PV	1894	17233	0.24%	0.067%
7	4.513	4.490	4.538	VV	368	6789	0.10%	0.026%
8	4.544	4.538	4.551	VV	325	2023	0.03%	0.008%
9	4.559	4.551	4.568	VV	477	3719	0.05%	0.014%
10	4.575	4.568	4.596	VV	471	5521	0.08%	0.021%
11	4.607	4.596	4.620	VV	558	5959	0.08%	0.023%
12	4.632	4.620	4.671	VV	1640	19352	0.27%	0.075%
13	4.689	4.671	4.703	VV	1697	17442	0.24%	0.068%
14	4.718	4.703	4.737	VV	2605	24857	0.35%	0.096%
15	4.769	4.748	4.785	VV	713	7757	0.11%	0.030%
16	4.797	4.785	4.823	VV	1194	13505	0.19%	0.052%
17	4.838	4.823	4.850	VV	594	5833	0.08%	0.023%
18	4.860	4.850	4.892	VV	235	4087	0.06%	0.016%
19	4.908	4.892	4.945	VV	540	9326	0.13%	0.036%
20	4.961	4.945	4.984	VV	360	5018	0.07%	0.019%
21	4.994	4.984	5.005	VV	310	2754	0.04%	0.011%
22	5.025	5.005	5.057	VV	512	10326	0.14%	0.040%
23	5.075	5.057	5.082	VV	1398	14245	0.20%	0.055%
24	5.098	5.082	5.122	VV	5051	54584	0.77%	0.211%
25	5.156	5.122	5.175	PV	1254	16514	0.23%	0.064%
26	5.181	5.175	5.192	VV	439	3399	0.05%	0.013%
27	5.196	5.192	5.199	VV	281	1102	0.02%	0.004%
28	5.211	5.199	5.233	VV	440	6524	0.09%	0.025%
29	5.241	5.233	5.247	VV	276	1649	0.02%	0.006%
30	5.257	5.247	5.277	VV	323	4656	0.07%	0.018%
31	5.291	5.277	5.303	VV	594	6477	0.09%	0.025%
32	5.318	5.303	5.372	VV	3635	41625	0.58%	0.161%
33	5.379	5.372	5.412	VV	279	5405	0.08%	0.021%
34	5.418	5.412	5.427	VV	230	1824	0.03%	0.007%
35	5.437	5.427	5.447	VV	295	2372	0.03%	0.009%
36	5.469	5.447	5.487	VV	520	7217	0.10%	0.028%

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37	5.500	5.487	5.518	VV	870	9320	0.13%	0.036%
38	5.541	5.518	5.566	VV	2132	26431	0.37%	0.102%
39	5.600	5.566	5.613	VV	697	11721	0.16%	0.045%
40	5.618	5.613	5.628	VV	354	2264	0.03%	0.009%
41	5.634	5.628	5.638	VV	296	1651	0.02%	0.006%
42	5.640	5.638	5.657	VV	342	3060	0.04%	0.012%
43	5.674	5.657	5.716	VV	500	12049	0.17%	0.047%
44	5.722	5.716	5.759	VV	385	7063	0.10%	0.027%
45	5.764	5.759	5.778	VV	204	1360	0.02%	0.005%
46	5.793	5.778	5.820	VV	351	5483	0.08%	0.021%
47	5.829	5.820	5.892	VV	532	8996	0.13%	0.035%
48	5.912	5.892	5.916	PV	278	2377	0.03%	0.009%
49	5.927	5.916	5.935	VV	290	3044	0.04%	0.012%
50	5.941	5.935	5.947	VV	349	2380	0.03%	0.009%
51	5.954	5.947	5.967	VV	387	4236	0.06%	0.016%
52	5.987	5.967	5.998	VV	509	6528	0.09%	0.025%
53	6.004	5.998	6.020	VV	460	5192	0.07%	0.020%
54	6.025	6.020	6.032	VV	516	3276	0.05%	0.013%
55	6.051	6.032	6.081	VV	1996	28742	0.40%	0.111%
56	6.101	6.081	6.118	VV	741	11247	0.16%	0.044%
57	6.139	6.118	6.165	VV	1233	16930	0.24%	0.066%
58	6.171	6.165	6.177	VV	460	3049	0.04%	0.012%
59	6.192	6.177	6.219	VV	623	11808	0.17%	0.046%
60	6.236	6.219	6.246	VV	577	5756	0.08%	0.022%
61	6.257	6.246	6.267	VV	669	6623	0.09%	0.026%
62	6.272	6.267	6.302	VV	780	10757	0.15%	0.042%
63	6.328	6.302	6.367	VV	923	20592	0.29%	0.080%
64	6.371	6.367	6.390	VV	431	3268	0.05%	0.013%
65	6.401	6.390	6.405	VV	322	2405	0.03%	0.009%
66	6.410	6.405	6.427	VV	462	4829	0.07%	0.019%
67	6.441	6.427	6.457	VV	615	7666	0.11%	0.030%
68	6.479	6.457	6.501	VV	1654	22245	0.31%	0.086%
69	6.515	6.501	6.530	VV	722	8936	0.13%	0.035%
70	6.542	6.530	6.551	VV	693	6166	0.09%	0.024%
71	6.562	6.551	6.580	VV	932	10997	0.15%	0.043%
72	6.597	6.580	6.612	VV	923	10367	0.15%	0.040%
73	6.629	6.612	6.648	VV	1329	14969	0.21%	0.058%
74	6.667	6.648	6.681	VV	719	6814	0.10%	0.026%
75	6.698	6.681	6.717	VV	821	8684	0.12%	0.034%
76	6.741	6.726	6.747	PV	363	3235	0.05%	0.013%
77	6.753	6.747	6.788	VV	412	7541	0.11%	0.029%
78	6.803	6.788	6.827	VV	593	9062	0.13%	0.035%
79	6.832	6.827	6.836	VV	279	1277	0.02%	0.005%
80	6.863	6.836	6.881	VV	1188	19135	0.27%	0.074%
81	6.887	6.881	6.895	VV	556	3757	0.05%	0.015%
82	6.921	6.895	6.938	VV	1105	18091	0.25%	0.070%
83	6.945	6.938	6.950	VV	796	4237	0.06%	0.016%
84	6.972	6.950	6.992	VV	1306	23308	0.33%	0.090%
85	6.993	6.992	7.004	VV	892	5771	0.08%	0.022%
86	7.020	7.004	7.067	VV	1122	24744	0.35%	0.096%
87	7.101	7.067	7.123	VV	1652	26555	0.37%	0.103%
88	7.128	7.123	7.139	VV	418	3147	0.04%	0.012%
89	7.154	7.139	7.176	VV	490	7458	0.10%	0.029%

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90	7.210	7.176	7.218	VV	612	9799	0.14%	0.038%
91	7.262	7.218	7.292	VV	3042	43579	0.61%	0.169%
92	7.293	7.292	7.304	VV	437	2588	0.04%	0.010%
93	7.320	7.304	7.351	VV	1129	18919	0.27%	0.073%
94	7.369	7.351	7.384	VV	766	10969	0.15%	0.042%
95	7.399	7.384	7.422	VV	1416	15576	0.22%	0.060%
96	7.435	7.422	7.440	VV	534	3882	0.05%	0.015%
97	7.445	7.440	7.455	VV	488	3454	0.05%	0.013%
98	7.467	7.455	7.475	VV	714	6783	0.10%	0.026%
99	7.492	7.475	7.513	VV	995	13636	0.19%	0.053%
100	7.518	7.513	7.522	VV	329	1179	0.02%	0.005%
101	7.552	7.522	7.556	VV	560	6867	0.10%	0.027%
102	7.563	7.556	7.597	VV	708	8479	0.12%	0.033%
103	7.631	7.597	7.648	VV	718	15485	0.22%	0.060%
104	7.662	7.648	7.685	VV	1473	19933	0.28%	0.077%
105	7.716	7.685	7.788	VV	654875	6165719	86.47%	23.885%
106	7.812	7.788	7.847	VV	1017	22930	0.32%	0.089%
107	7.855	7.847	7.871	VV	444	4546	0.06%	0.018%
108	7.889	7.871	7.901	VV	499	7140	0.10%	0.028%
109	7.904	7.901	7.913	VV	447	2704	0.04%	0.010%
110	7.921	7.913	7.946	VV	409	6207	0.09%	0.024%
111	7.967	7.946	7.983	VV	1058	13641	0.19%	0.053%
112	7.990	7.983	8.001	VV	645	5519	0.08%	0.021%
113	8.009	8.001	8.017	VV	570	4164	0.06%	0.016%
114	8.057	8.017	8.065	VV	728	14307	0.20%	0.055%
115	8.072	8.065	8.091	VV	644	8910	0.12%	0.035%
116	8.106	8.091	8.117	VV	626	8813	0.12%	0.034%
117	8.167	8.117	8.192	VV	967	31594	0.44%	0.122%
118	8.203	8.192	8.220	VV	659	8812	0.12%	0.034%
119	8.227	8.220	8.237	VV	674	5792	0.08%	0.022%
120	8.270	8.237	8.291	VV	2253	35766	0.50%	0.139%
121	8.300	8.291	8.316	VV	790	8758	0.12%	0.034%
122	8.332	8.316	8.343	VV	1078	11677	0.16%	0.045%
123	8.388	8.343	8.406	VV	1130	30833	0.43%	0.119%
124	8.413	8.406	8.447	VV	995	13446	0.19%	0.052%
125	8.459	8.447	8.465	VV	623	5217	0.07%	0.020%
126	8.467	8.465	8.471	VV	685	1835	0.03%	0.007%
127	8.474	8.471	8.484	VV	558	3814	0.05%	0.015%
128	8.503	8.484	8.529	VV	923	14617	0.20%	0.057%
129	8.542	8.529	8.547	VV	376	3564	0.05%	0.014%
130	8.581	8.547	8.613	VV	445976	4338258	60.84%	16.805%
131	8.630	8.613	8.662	VV	1798	35628	0.50%	0.138%
132	8.679	8.662	8.689	VV	891	11638	0.16%	0.045%
133	8.700	8.689	8.717	VV	914	12506	0.18%	0.048%
134	8.738	8.717	8.746	VV	1142	17338	0.24%	0.067%
135	8.751	8.746	8.766	VV	1056	11039	0.15%	0.043%
136	8.779	8.766	8.793	VV	1273	16734	0.23%	0.065%
137	8.810	8.793	8.816	VV	982	12197	0.17%	0.047%
138	8.822	8.816	8.845	VV	1136	14909	0.21%	0.058%
139	8.851	8.845	8.856	VV	528	3119	0.04%	0.012%
140	8.870	8.856	8.885	VV	865	11181	0.16%	0.043%
141	8.890	8.885	8.903	VV	772	7042	0.10%	0.027%

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142	8.917	8.903	8.939	VV	802	14505	0.20%	0.056%
143	8.989	8.939	9.010	VV	63724	645984	9.06%	2.502%
144	9.017	9.010	9.058	VV	2573	45077	0.63%	0.175%
145	9.072	9.058	9.091	VV	2096	30015	0.42%	0.116%
146	9.107	9.091	9.130	VV	2266	36928	0.52%	0.143%
147	9.144	9.130	9.163	VV	1537	21593	0.30%	0.084%
148	9.175	9.163	9.195	VV	934	13007	0.18%	0.050%
149	9.207	9.195	9.214	VV	807	6904	0.10%	0.027%
150	9.228	9.214	9.241	VV	910	11079	0.16%	0.043%
151	9.249	9.241	9.255	VV	691	5554	0.08%	0.022%
152	9.277	9.255	9.300	VV	1050	22091	0.31%	0.086%
153	9.313	9.300	9.358	VV	1159	23268	0.33%	0.090%
154	9.374	9.358	9.387	VV	812	10896	0.15%	0.042%
155	9.394	9.387	9.407	VV	637	6491	0.09%	0.025%
156	9.412	9.407	9.417	VV	483	2651	0.04%	0.010%
157	9.459	9.417	9.491	VV	1587	35785	0.50%	0.139%
158	9.500	9.491	9.508	VV	480	3876	0.05%	0.015%
159	9.527	9.508	9.534	VV	688	8712	0.12%	0.034%
160	9.540	9.534	9.552	VV	783	6283	0.09%	0.024%
161	9.555	9.552	9.572	VV	548	5697	0.08%	0.022%
162	9.595	9.572	9.620	VV	897	16240	0.23%	0.063%
163	9.650	9.620	9.662	VV	625	12412	0.17%	0.048%
164	9.703	9.662	9.713	VV	1695	30203	0.42%	0.117%
165	9.734	9.713	9.772	VV	22987	240405	3.37%	0.931%
166	9.783	9.772	9.792	VV	781	7768	0.11%	0.030%
167	9.803	9.792	9.845	VV	944	19271	0.27%	0.075%
168	9.867	9.845	9.892	VV	1618	24491	0.34%	0.095%
169	9.895	9.892	9.927	VV	422	7541	0.11%	0.029%
170	9.942	9.927	9.982	VV	783	18120	0.25%	0.070%
171	9.987	9.982	10.003	VV	456	5475	0.08%	0.021%
172	10.015	10.003	10.024	VV	614	6067	0.09%	0.024%
173	10.041	10.024	10.053	VV	690	8829	0.12%	0.034%
174	10.065	10.053	10.072	VV	754	7017	0.10%	0.027%
175	10.074	10.072	10.082	VV	729	3359	0.05%	0.013%
176	10.088	10.082	10.097	VV	587	4431	0.06%	0.017%
177	10.125	10.097	10.135	VV	646	10685	0.15%	0.041%
178	10.142	10.135	10.160	VV	536	7187	0.10%	0.028%
179	10.164	10.160	10.177	VV	579	5280	0.07%	0.020%
180	10.189	10.177	10.224	VV	869	19416	0.27%	0.075%
181	10.259	10.224	10.269	VV	844	15857	0.22%	0.061%
182	10.274	10.269	10.278	VV	577	3363	0.05%	0.013%
183	10.297	10.278	10.315	VV	991	17788	0.25%	0.069%
184	10.320	10.315	10.338	VV	961	10129	0.14%	0.039%
185	10.343	10.338	10.366	VV	605	9001	0.13%	0.035%
186	10.386	10.366	10.411	VV	1217	20249	0.28%	0.078%
187	10.420	10.411	10.430	VV	666	6202	0.09%	0.024%
188	10.442	10.430	10.448	VV	604	6094	0.09%	0.024%
189	10.468	10.448	10.475	VV	907	11531	0.16%	0.045%
190	10.489	10.475	10.498	VV	1114	12794	0.18%	0.050%
191	10.505	10.498	10.520	VV	920	9782	0.14%	0.038%
192	10.532	10.520	10.538	VV	683	6580	0.09%	0.025%
193	10.560	10.538	10.571	VV	981	16212	0.23%	0.063%
194	10.583	10.571	10.588	VV	1256	10754	0.15%	0.042%

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195	10.600	10.588	10.636	VV	1432	27674	0.39%	0.107%
196	10.658	10.636	10.671	VV	905	14003	0.20%	0.054%
197	10.699	10.671	10.713	VV	1442	26149	0.37%	0.101%
198	10.736	10.713	10.760	VV	1480	29287	0.41%	0.113%
199	10.764	10.760	10.775	VV	569	4597	0.06%	0.018%
200	10.794	10.775	10.833	VV	783	15957	0.22%	0.062%
201	10.858	10.833	10.866	VV	950	12006	0.17%	0.047%
202	10.880	10.866	10.902	VV	1100	16807	0.24%	0.065%
203	10.911	10.902	10.915	VV	580	3983	0.06%	0.015%
204	10.935	10.915	10.954	VV	902	14975	0.21%	0.058%
205	10.975	10.954	10.985	VV	776	10869	0.15%	0.042%
206	10.991	10.985	10.995	VV	640	3548	0.05%	0.014%
207	11.002	10.995	11.012	VV	798	6704	0.09%	0.026%
208	11.034	11.012	11.087	VV	987	26101	0.37%	0.101%
209	11.099	11.087	11.118	VV	478	7491	0.11%	0.029%
210	11.125	11.118	11.131	VV	550	3524	0.05%	0.014%
211	11.135	11.131	11.142	VV	555	3092	0.04%	0.012%
212	11.167	11.142	11.181	VV	597	10121	0.14%	0.039%
213	11.186	11.181	11.207	VV	621	5746	0.08%	0.022%
214	11.235	11.207	11.261	VV	846	17491	0.25%	0.068%
215	11.274	11.261	11.284	VV	658	7783	0.11%	0.030%
216	11.306	11.284	11.335	VV	1562	25722	0.36%	0.100%
217	11.351	11.335	11.360	VV	653	7714	0.11%	0.030%
218	11.380	11.360	11.394	VV	978	14685	0.21%	0.057%
219	11.399	11.394	11.420	VV	689	6759	0.09%	0.026%
220	11.426	11.420	11.441	VV	328	2554	0.04%	0.010%
221	11.472	11.441	11.478	PV	654	7588	0.11%	0.029%
222	11.498	11.478	11.533	VV	659	13502	0.19%	0.052%
223	11.550	11.533	11.573	VV	587	9053	0.13%	0.035%
224	11.579	11.573	11.583	VV	385	1939	0.03%	0.008%
225	11.589	11.583	11.591	VV	448	1919	0.03%	0.007%
226	11.628	11.591	11.678	VV	653738	7130230	100.00%	27.621%
227	11.717	11.678	11.753	VV	1204	35426	0.50%	0.137%
228	11.785	11.753	11.806	VV	1386	27151	0.38%	0.105%
229	11.823	11.806	11.852	VV	861	13641	0.19%	0.053%
230	11.900	11.852	11.910	VV	686	17087	0.24%	0.066%
231	11.962	11.910	11.983	VV	1043	30365	0.43%	0.118%
232	11.989	11.983	11.992	VV	600	2774	0.04%	0.011%
233	12.022	11.992	12.047	VV	6853	88224	1.24%	0.342%
234	12.065	12.047	12.086	VV	1711	27913	0.39%	0.108%
235	12.101	12.086	12.144	VV	909	24372	0.34%	0.094%
236	12.154	12.144	12.164	VV	646	6750	0.09%	0.026%
237	12.215	12.164	12.282	VV	65316	796068	11.16%	3.084%
238	12.289	12.282	12.318	VV	1097	20161	0.28%	0.078%
239	12.329	12.318	12.337	VV	981	9524	0.13%	0.037%
240	12.343	12.337	12.367	VV	992	15346	0.22%	0.059%
241	12.380	12.367	12.405	VV	957	19013	0.27%	0.074%
242	12.412	12.405	12.434	VV	807	12619	0.18%	0.049%
243	12.474	12.434	12.524	VV	2686	63460	0.89%	0.246%
244	12.549	12.524	12.575	VV	1641	27067	0.38%	0.105%
245	12.581	12.575	12.590	VV	643	4897	0.07%	0.019%
246	12.609	12.590	12.637	VV	2435	36358	0.51%	0.141%

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247	12.674	12.637	12.714	VV	1109	34746	0.49%	0.135%
248	12.733	12.714	12.762	VV	847	16006	0.22%	0.062%
249	12.764	12.762	12.778	VV	433	3206	0.04%	0.012%
250	12.785	12.778	12.790	VV	419	2532	0.04%	0.010%
251	12.794	12.790	12.798	VV	590	2502	0.04%	0.010%
252	12.800	12.798	12.812	VV	553	3907	0.05%	0.015%
253	12.827	12.812	12.841	VV	694	9402	0.13%	0.036%
254	12.868	12.841	12.877	VV	697	12229	0.17%	0.047%
255	12.885	12.877	12.912	VV	772	12553	0.18%	0.049%
256	12.928	12.912	12.933	VV	604	6010	0.08%	0.023%
257	12.938	12.933	12.947	VV	533	4301	0.06%	0.017%
258	12.968	12.947	12.992	VV	1009	17303	0.24%	0.067%
259	13.007	12.992	13.024	VV	1257	17096	0.24%	0.066%
260	13.054	13.024	13.085	VV	81692	947996	13.30%	3.672%
261	13.111	13.085	13.131	VV	678	14426	0.20%	0.056%
262	13.142	13.131	13.157	VV	541	7303	0.10%	0.028%
263	13.164	13.157	13.187	VV	499	7444	0.10%	0.029%
264	13.214	13.187	13.223	VV	912	13287	0.19%	0.051%
265	13.238	13.223	13.250	VV	945	12159	0.17%	0.047%
266	13.274	13.250	13.315	VV	4323	74502	1.04%	0.289%
267	13.344	13.315	13.352	VV	899	16354	0.23%	0.063%
268	13.356	13.352	13.363	VV	717	4244	0.06%	0.016%
269	13.370	13.363	13.390	VV	698	9558	0.13%	0.037%
270	13.396	13.390	13.405	VV	694	5074	0.07%	0.020%
271	13.442	13.405	13.498	VV	38281	472875	6.63%	1.832%
272	13.503	13.498	13.538	VV	1073	20083	0.28%	0.078%
273	13.545	13.538	13.550	VV	646	4414	0.06%	0.017%
274	13.557	13.550	13.574	VV	683	8069	0.11%	0.031%
275	13.604	13.574	13.612	VV	811	13176	0.18%	0.051%
276	13.621	13.612	13.647	VV	753	11416	0.16%	0.044%
277	13.675	13.647	13.697	VV	1040	20710	0.29%	0.080%
278	13.700	13.697	13.710	VV	517	3800	0.05%	0.015%
279	13.754	13.710	13.782	VV	1322	29897	0.42%	0.116%
280	13.806	13.782	13.848	VV	2245	34857	0.49%	0.135%
281	13.871	13.848	13.881	VV	366	5582	0.08%	0.022%
282	13.901	13.881	13.932	VV	486	8571	0.12%	0.033%
283	13.936	13.932	13.948	VV	275	1832	0.03%	0.007%
284	13.955	13.948	13.973	PV	354	2679	0.04%	0.010%
285	13.981	13.973	13.992	VV	419	3041	0.04%	0.012%
286	14.003	13.992	14.038	VV	392	8299	0.12%	0.032%
287	14.043	14.038	14.082	VV	522	8656	0.12%	0.034%
288	14.083	14.082	14.101	VV	361	2793	0.04%	0.011%
289	14.105	14.101	14.125	VV	237	1984	0.03%	0.008%
290	14.130	14.125	14.142	VV	329	2161	0.03%	0.008%
291	14.191	14.142	14.210	VV	906	16472	0.23%	0.064%
292	14.237	14.210	14.270	VV	1562	30888	0.43%	0.120%
293	14.288	14.270	14.313	VV	537	11860	0.17%	0.046%
294	14.319	14.313	14.346	VV	514	7433	0.10%	0.029%
295	14.365	14.346	14.396	VV	600	11142	0.16%	0.043%
296	14.433	14.396	14.450	VV	559	12326	0.17%	0.048%
297	14.466	14.450	14.494	VV	613	11597	0.16%	0.045%
298	14.529	14.494	14.558	VV	736	18617	0.26%	0.072%
299	14.574	14.558	14.580	VV	423	4486	0.06%	0.017%

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300	14.595	14.580	14.600	VV	460	4382	0.06%	0.017%
301	14.626	14.600	14.632	VV	461	7457	0.10%	0.029%
302	14.639	14.632	14.648	VV	502	4064	0.06%	0.016%
303	14.651	14.648	14.657	VV	486	2074	0.03%	0.008%
304	14.674	14.657	14.680	VV	672	7048	0.10%	0.027%
305	14.683	14.680	14.704	VV	656	8007	0.11%	0.031%
306	14.715	14.704	14.728	VV	581	7506	0.11%	0.029%
307	14.742	14.728	14.802	VV	703	17828	0.25%	0.069%
308	14.841	14.802	14.847	VV	647	10169	0.14%	0.039%
309	14.857	14.847	14.870	VV	1075	12961	0.18%	0.050%
310	14.882	14.870	14.888	VV	1055	10677	0.15%	0.041%
311	14.904	14.888	14.933	VV	1880	29362	0.41%	0.114%
312	14.949	14.933	14.980	VV	1137	16014	0.22%	0.062%
313	14.993	14.980	14.998	VV	508	3271	0.05%	0.013%
314	15.002	14.998	15.023	VV	363	3764	0.05%	0.015%
315	15.029	15.023	15.046	VV	365	2786	0.04%	0.011%
316	15.074	15.046	15.109	VV	609	11042	0.15%	0.043%
317	15.115	15.109	15.136	VV	368	4538	0.06%	0.018%
318	15.141	15.136	15.172	VV	323	5832	0.08%	0.023%
319	15.186	15.172	15.195	VV	425	4451	0.06%	0.017%
320	15.204	15.195	15.224	VV	508	6754	0.09%	0.026%
321	15.230	15.224	15.235	VV	348	2213	0.03%	0.009%
322	15.240	15.235	15.246	VV	316	1787	0.03%	0.007%
323	15.279	15.246	15.313	VV	11606	160509	2.25%	0.622%
324	15.322	15.313	15.355	VV	1088	17764	0.25%	0.069%
325	15.358	15.355	15.368	VV	482	2396	0.03%	0.009%
326	15.393	15.368	15.404	VV	526	9452	0.13%	0.037%
327	15.443	15.404	15.492	VV	2009	43363	0.61%	0.168%
328	15.493	15.492	15.500	VV	376	1471	0.02%	0.006%
329	15.504	15.500	15.517	VV	437	3304	0.05%	0.013%
330	15.521	15.517	15.525	VV	377	1675	0.02%	0.006%
331	15.527	15.525	15.532	VV	385	1274	0.02%	0.005%
332	15.542	15.532	15.557	VV	383	4993	0.07%	0.019%
333	15.565	15.557	15.570	VV	465	2903	0.04%	0.011%
334	15.580	15.570	15.593	VV	377	3885	0.05%	0.015%
335	15.601	15.593	15.618	VV	379	4695	0.07%	0.018%
336	15.638	15.618	15.655	VV	735	11652	0.16%	0.045%
337	15.662	15.655	15.672	VV	520	4290	0.06%	0.017%
338	15.677	15.672	15.689	VV	381	3777	0.05%	0.015%
339	15.694	15.689	15.698	VV	459	2183	0.03%	0.008%
340	15.719	15.698	15.747	VV	537	11653	0.16%	0.045%
341	15.750	15.747	15.762	VV	336	3077	0.04%	0.012%
342	15.803	15.762	15.819	VV	682	17342	0.24%	0.067%
343	15.829	15.819	15.845	VV	432	4780	0.07%	0.019%
344	15.883	15.845	15.903	VV	942	18319	0.26%	0.071%
345	15.923	15.903	15.950	VV	1707	25263	0.35%	0.098%
346	15.981	15.950	16.017	VV	635	15622	0.22%	0.061%
347	16.028	16.017	16.039	VV	432	3981	0.06%	0.015%
348	16.044	16.039	16.050	VV	319	1718	0.02%	0.007%
349	16.074	16.050	16.087	VV	704	10817	0.15%	0.042%
350	16.094	16.087	16.111	VV	534	4836	0.07%	0.019%
351	16.135	16.111	16.173	VV	1037	18518	0.26%	0.072%

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352	16.206	16.173	16.221	VV	539	10338	0.14%	0.040%
353	16.248	16.221	16.260	VV	455	5749	0.08%	0.022%
354	16.290	16.260	16.339	PV	1276	26632	0.37%	0.103%
355	16.379	16.339	16.432	VV	2358	63413	0.89%	0.246%
356	16.440	16.432	16.467	VV	522	9322	0.13%	0.036%
357	16.484	16.467	16.507	VV	851	12898	0.18%	0.050%
358	16.510	16.507	16.519	VV	323	1530	0.02%	0.006%
359	16.537	16.519	16.565	VV	945	15339	0.22%	0.059%
360	16.610	16.565	16.635	VV	4523	75221	1.05%	0.291%
361	16.646	16.635	16.678	VV	741	12494	0.18%	0.048%
362	16.683	16.678	16.691	VV	419	2664	0.04%	0.010%
363	16.697	16.691	16.709	VV	406	3688	0.05%	0.014%
364	16.716	16.709	16.722	VV	405	3162	0.04%	0.012%
365	16.732	16.722	16.743	VV	473	5274	0.07%	0.020%
366	16.767	16.743	16.802	VV	1074	24309	0.34%	0.094%
367	16.813	16.802	16.819	VV	541	4583	0.06%	0.018%
368	16.832	16.819	16.847	VV	808	9665	0.14%	0.037%
369	16.869	16.847	16.903	VV	1462	23725	0.33%	0.092%
370	16.923	16.903	16.959	VV	1711	27764	0.39%	0.108%
371	16.963	16.959	16.972	VV	294	1299	0.02%	0.005%
372	16.998	16.972	17.015	VV	283	4522	0.06%	0.018%
373	17.019	17.015	17.040	VV	249	2683	0.04%	0.010%
374	17.044	17.040	17.053	PV	266	1302	0.02%	0.005%
375	17.073	17.053	17.081	VV	325	3495	0.05%	0.014%
376	17.113	17.081	17.132	VV	699	12488	0.18%	0.048%
377	17.139	17.132	17.151	VV	436	3930	0.06%	0.015%
378	17.162	17.151	17.179	VV	400	4898	0.07%	0.019%
379	17.228	17.179	17.254	VV	807	22040	0.31%	0.085%
380	17.261	17.254	17.265	VV	572	3591	0.05%	0.014%
381	17.271	17.265	17.288	VV	498	5794	0.08%	0.022%
382	17.318	17.288	17.363	VV	896	18823	0.26%	0.073%
383	17.370	17.363	17.382	VV	193	1736	0.02%	0.007%
384	17.399	17.382	17.412	VV	463	6135	0.09%	0.024%
385	17.423	17.412	17.460	VV	578	11561	0.16%	0.045%
386	17.472	17.460	17.476	VV	386	2910	0.04%	0.011%
387	17.481	17.476	17.514	VV	495	8298	0.12%	0.032%
388	17.546	17.514	17.602	VV	2281	41570	0.58%	0.161%
389	17.612	17.602	17.627	VV	462	5078	0.07%	0.020%
390	17.634	17.627	17.641	VV	349	2470	0.03%	0.010%
391	17.647	17.641	17.652	VV	332	1872	0.03%	0.007%
392	17.671	17.652	17.689	VV	555	9307	0.13%	0.036%
393	17.718	17.689	17.724	VV	754	10853	0.15%	0.042%
394	17.729	17.724	17.735	VV	799	4609	0.06%	0.018%
395	17.753	17.735	17.792	VV	1267	22109	0.31%	0.086%
396	17.806	17.792	17.817	VV	473	4282	0.06%	0.017%
397	17.844	17.817	17.862	VV	1456	22002	0.31%	0.085%
398	17.866	17.862	17.870	VV	439	1784	0.03%	0.007%
399	17.881	17.870	17.893	VV	508	5492	0.08%	0.021%
400	17.898	17.893	17.906	VV	474	3207	0.04%	0.012%
401	17.916	17.906	17.935	VV	633	6870	0.10%	0.027%
402	17.944	17.935	17.952	VV	509	4013	0.06%	0.016%
403	17.971	17.952	18.003	VV	1130	20153	0.28%	0.078%
404	18.035	18.003	18.057	VV	843	17599	0.25%	0.068%

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405	18.107	18.057	18.156	VV	5998	112906	1.58%	0.437%
406	18.175	18.156	18.223	VV	1495	33122	0.46%	0.128%
407	18.226	18.223	18.238	VV	478	3766	0.05%	0.015%
408	18.248	18.238	18.263	VV	598	7791	0.11%	0.030%
409	18.269	18.263	18.273	VV	601	3311	0.05%	0.013%
410	18.280	18.273	18.293	VV	685	6751	0.09%	0.026%
411	18.303	18.293	18.329	VV	797	13414	0.19%	0.052%
412	18.337	18.329	18.342	VV	567	3735	0.05%	0.014%
413	18.349	18.342	18.353	VV	534	2818	0.04%	0.011%
414	18.383	18.353	18.406	VV	2581	42871	0.60%	0.166%
415	18.413	18.406	18.418	PV	343	1737	0.02%	0.007%
416	18.436	18.418	18.455	VV	674	9397	0.13%	0.036%
417	18.463	18.455	18.473	VV	418	2544	0.04%	0.010%
418	18.479	18.473	18.491	VV	227	1642	0.02%	0.006%
			Sum of corrected areas:			25814606		

Aromatic EPH 081125.M Wed Aug 27 02:11:35 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055523.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 00:03
Operator : YP\AJ
Sample : Q2934-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-SW02

Integration File: sample.E
Quant Time: Aug 27 02:39:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 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...	13.517	6358725	59.138 ug/ml
Spiked Amount 50.000		Recovery = 118.28%	
Target Compounds			

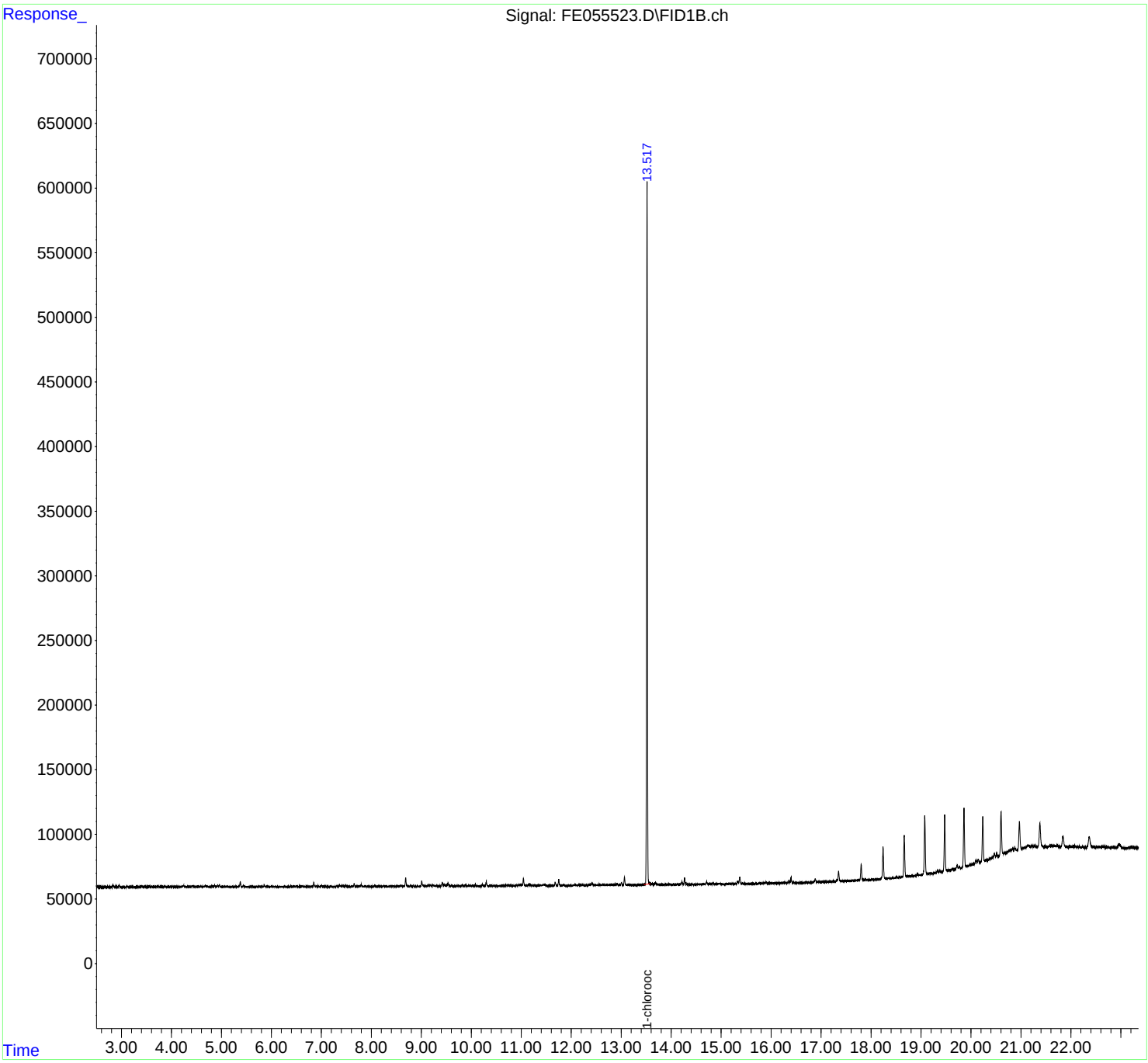
(f)=RT Delta > 1/2 Window (m)=manual int.

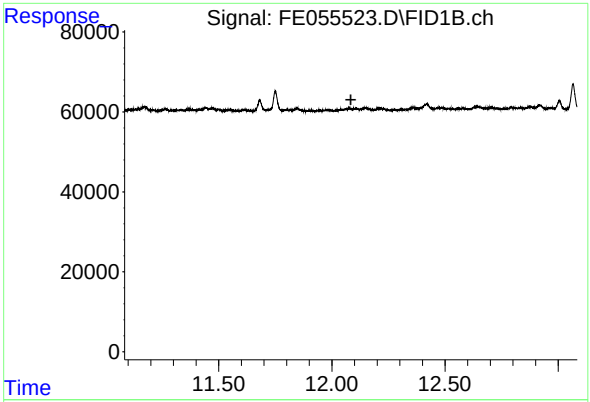
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055523.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 00:03
Operator : YP\AJ
Sample : Q2934-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-SW02

Integration File: sample.E
Quant Time: Aug 27 02:39:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

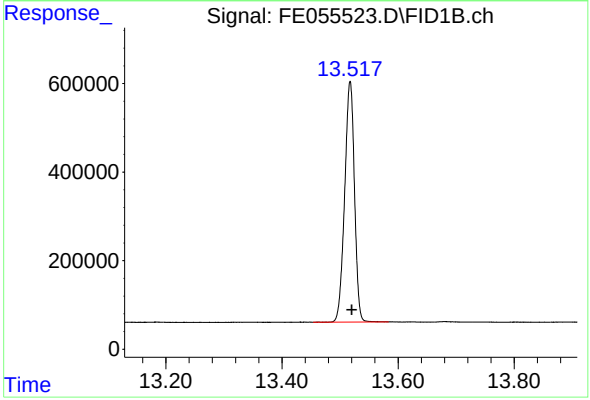




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.084 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
ENV-SW02



#12 1-chlorooctadecane (SURR)

R.T.: 13.517 min
Delta R.T.: -0.003 min
Response: 6358725
Conc: 59.14 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055523.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 00:03
Sample : Q2934-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.831	2.804	2.864	BV	1448	22248	0.35%	0.099%
2	2.885	2.864	2.927	VV	809	9748	0.15%	0.044%
3	2.952	2.927	2.993	VV	2022	22269	0.35%	0.099%
4	3.049	2.993	3.069	PV	209	3853	0.06%	0.017%
5	3.079	3.069	3.088	VV	103	568	0.01%	0.003%
6	3.109	3.088	3.143	VV	779	9692	0.15%	0.043%
7	3.226	3.143	3.264	VV	220	12265	0.19%	0.055%
8	3.273	3.264	3.304	VV	241	4946	0.08%	0.022%
9	3.317	3.304	3.384	VV	294	9999	0.16%	0.045%
10	3.415	3.384	3.521	VV	673	24645	0.38%	0.110%
11	3.533	3.521	3.575	VV	368	9804	0.15%	0.044%
12	3.596	3.575	3.650	VV	364	13855	0.22%	0.062%
13	3.665	3.650	3.708	VV	412	11026	0.17%	0.049%
14	3.728	3.708	3.768	VV	318	11145	0.17%	0.050%
15	3.775	3.768	3.788	VV	316	3247	0.05%	0.014%
16	3.806	3.788	3.828	VV	500	8597	0.13%	0.038%
17	3.864	3.828	3.931	VV	431	16319	0.25%	0.073%
18	3.947	3.931	3.964	VV	318	4584	0.07%	0.020%
19	4.004	3.964	4.052	VV	376	12326	0.19%	0.055%
20	4.095	4.052	4.161	VV	383	16023	0.25%	0.072%
21	4.169	4.161	4.174	VV	255	1723	0.03%	0.008%
22	4.212	4.174	4.226	VV	700	12691	0.20%	0.057%
23	4.246	4.226	4.288	VV	1397	20198	0.31%	0.090%
24	4.295	4.288	4.304	VV	333	2379	0.04%	0.011%
25	4.324	4.304	4.348	VV	428	8092	0.13%	0.036%
26	4.359	4.348	4.364	VV	288	2371	0.04%	0.011%
27	4.417	4.364	4.444	VV	985	23775	0.37%	0.106%
28	4.456	4.444	4.470	VV	371	4862	0.08%	0.022%
29	4.482	4.470	4.521	VV	311	8311	0.13%	0.037%
30	4.527	4.521	4.535	VV	296	2283	0.04%	0.010%
31	4.550	4.535	4.568	VV	357	6082	0.09%	0.027%
32	4.583	4.568	4.638	VV	443	13459	0.21%	0.060%
33	4.673	4.638	4.736	VV	1468	29965	0.47%	0.134%
34	4.759	4.736	4.768	VV	380	6037	0.09%	0.027%
35	4.800	4.768	4.834	VV	571	13946	0.22%	0.062%
36	4.863	4.834	4.906	VV	1473	24528	0.38%	0.110%

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37	4.925	4.906	4.941	VV	1338	16028	0.25%	0.072%
38	4.959	4.941	5.001	VV	1977	25875	0.40%	0.116%
39	5.028	5.001	5.046	VV	317	7474	0.12%	0.033%
40	5.086	5.046	5.118	VV	456	16000	0.25%	0.071%
41	5.137	5.118	5.222	VV	425	15980	0.25%	0.071%
42	5.227	5.222	5.274	VV	195	4811	0.07%	0.021%
43	5.289	5.274	5.321	VV	376	6999	0.11%	0.031%
44	5.378	5.321	5.409	VV	4151	62595	0.97%	0.279%
45	5.439	5.409	5.483	VV	952	16387	0.25%	0.073%
46	5.498	5.483	5.515	VV	255	3615	0.06%	0.016%
47	5.527	5.515	5.537	VV	187	1870	0.03%	0.008%
48	5.586	5.537	5.611	VV	276	7769	0.12%	0.035%
49	5.623	5.611	5.649	VV	346	5118	0.08%	0.023%
50	5.667	5.649	5.690	VV	176	3464	0.05%	0.015%
51	5.697	5.690	5.719	VV	200	2109	0.03%	0.009%
52	5.734	5.719	5.744	VV	154	1627	0.03%	0.007%
53	5.776	5.744	5.794	VV	286	4782	0.07%	0.021%
54	5.814	5.794	5.837	VV	770	9765	0.15%	0.044%
55	5.858	5.837	5.901	VV	1630	20369	0.32%	0.091%
56	5.919	5.901	5.938	VV	477	6544	0.10%	0.029%
57	5.960	5.938	5.970	VV	191	2821	0.04%	0.013%
58	6.010	5.970	6.036	VV	354	9240	0.14%	0.041%
59	6.074	6.036	6.085	VV	239	4856	0.08%	0.022%
60	6.130	6.085	6.145	VV	297	7010	0.11%	0.031%
61	6.153	6.145	6.167	VV	142	1626	0.03%	0.007%
62	6.177	6.167	6.197	VV	233	2896	0.05%	0.013%
63	6.207	6.197	6.228	VV	263	3096	0.05%	0.014%
64	6.248	6.228	6.277	VV	215	4748	0.07%	0.021%
65	6.297	6.277	6.318	VV	262	4176	0.06%	0.019%
66	6.334	6.318	6.368	VV	214	5292	0.08%	0.024%
67	6.372	6.368	6.381	VV	262	1623	0.03%	0.007%
68	6.395	6.381	6.422	VV	445	7089	0.11%	0.032%
69	6.448	6.422	6.471	VV	480	8078	0.13%	0.036%
70	6.493	6.471	6.530	VV	953	14299	0.22%	0.064%
71	6.556	6.530	6.581	VV	381	7806	0.12%	0.035%
72	6.631	6.581	6.672	VV	546	18471	0.29%	0.082%
73	6.697	6.672	6.711	VV	270	5010	0.08%	0.022%
74	6.742	6.711	6.758	VV	246	5229	0.08%	0.023%
75	6.769	6.758	6.778	VV	243	2323	0.04%	0.010%
76	6.795	6.778	6.823	VV	290	6438	0.10%	0.029%
77	6.848	6.823	6.881	VV	3417	40388	0.63%	0.180%
78	6.900	6.881	6.914	VV	359	6190	0.10%	0.028%
79	6.935	6.914	6.954	VV	754	10187	0.16%	0.045%
80	6.970	6.954	6.984	VV	481	5835	0.09%	0.026%
81	7.003	6.984	7.024	VV	1293	15315	0.24%	0.068%
82	7.038	7.024	7.060	VV	447	5419	0.08%	0.024%
83	7.077	7.060	7.117	VV	670	7828	0.12%	0.035%
84	7.128	7.117	7.160	VV	109	2239	0.03%	0.010%
85	7.173	7.160	7.205	PV	193	3218	0.05%	0.014%
86	7.226	7.205	7.241	VV	176	3086	0.05%	0.014%
87	7.255	7.241	7.280	VV	194	3312	0.05%	0.015%
88	7.306	7.280	7.335	VV	734	10550	0.16%	0.047%
89	7.360	7.335	7.401	VV	1135	23828	0.37%	0.106%

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90	7.412	7.401	7.457	VV	820	18711	0.29%	0.084%
91	7.491	7.457	7.556	VV	1370	26345	0.41%	0.118%
92	7.597	7.556	7.628	VV	385	9311	0.14%	0.042%
93	7.656	7.628	7.700	VV	2596	33319	0.52%	0.149%
94	7.716	7.700	7.749	VV	467	10720	0.17%	0.048%
95	7.765	7.749	7.778	VV	684	8309	0.13%	0.037%
96	7.799	7.778	7.824	VV	1976	24721	0.38%	0.110%
97	7.834	7.824	7.847	VV	297	3632	0.06%	0.016%
98	7.865	7.847	7.877	VV	489	6119	0.10%	0.027%
99	7.893	7.877	7.910	VV	749	8244	0.13%	0.037%
100	7.923	7.910	7.991	VV	175	5044	0.08%	0.023%
101	8.012	7.991	8.040	VV	172	2033	0.03%	0.009%
102	8.067	8.040	8.094	PV	1080	13463	0.21%	0.060%
103	8.153	8.094	8.188	VV	329	10204	0.16%	0.046%
104	8.241	8.188	8.250	VV	408	10841	0.17%	0.048%
105	8.263	8.250	8.281	VV	374	5175	0.08%	0.023%
106	8.288	8.281	8.321	VV	267	4682	0.07%	0.021%
107	8.331	8.321	8.354	VV	264	3470	0.05%	0.015%
108	8.377	8.354	8.402	VV	978	11942	0.19%	0.053%
109	8.434	8.402	8.452	VV	755	10330	0.16%	0.046%
110	8.472	8.452	8.512	VV	384	8315	0.13%	0.037%
111	8.537	8.512	8.558	VV	426	6903	0.11%	0.031%
112	8.591	8.558	8.651	VV	1209	27191	0.42%	0.121%
113	8.686	8.651	8.758	VV	7034	100642	1.57%	0.449%
114	8.798	8.758	8.824	VV	627	18252	0.28%	0.081%
115	8.837	8.824	8.863	VV	526	7993	0.12%	0.036%
116	8.882	8.863	8.901	VV	468	6027	0.09%	0.027%
117	8.922	8.901	8.958	VV	620	7576	0.12%	0.034%
118	8.965	8.958	8.974	PV	69	678	0.01%	0.003%
119	9.008	8.974	9.088	VV	4411	78575	1.22%	0.351%
120	9.104	9.088	9.124	VV	592	11569	0.18%	0.052%
121	9.152	9.124	9.166	VV	1043	19954	0.31%	0.089%
122	9.179	9.166	9.196	VV	1081	15697	0.24%	0.070%
123	9.203	9.196	9.213	VV	753	6996	0.11%	0.031%
124	9.233	9.213	9.281	VV	1090	27149	0.42%	0.121%
125	9.296	9.281	9.323	VV	566	8822	0.14%	0.039%
126	9.348	9.323	9.368	VV	561	8586	0.13%	0.038%
127	9.419	9.368	9.439	VV	3127	49290	0.77%	0.220%
128	9.453	9.439	9.490	VV	1304	27430	0.43%	0.122%
129	9.533	9.490	9.584	VV	2391	58129	0.90%	0.260%
130	9.605	9.584	9.629	VV	777	11586	0.18%	0.052%
131	9.656	9.629	9.675	VV	515	8467	0.13%	0.038%
132	9.704	9.675	9.723	VV	348	7253	0.11%	0.032%
133	9.739	9.723	9.748	VV	409	4923	0.08%	0.022%
134	9.756	9.748	9.784	VV	357	6439	0.10%	0.029%
135	9.820	9.784	9.857	VV	819	19394	0.30%	0.087%
136	9.886	9.857	9.928	VV	1280	24613	0.38%	0.110%
137	9.941	9.928	9.951	VV	491	5534	0.09%	0.025%
138	9.961	9.951	9.975	VV	388	5131	0.08%	0.023%
139	9.982	9.975	10.003	VV	376	5001	0.08%	0.022%
140	10.026	10.003	10.058	VV	822	14048	0.22%	0.063%
141	10.080	10.058	10.110	VV	1482	19024	0.30%	0.085%

rteres

142	10.120	10.110	10.152	VV	252	5028	0.08%	0.022%
143	10.171	10.152	10.195	VV	398	5518	0.09%	0.025%
144	10.221	10.195	10.254	VV	1013	18415	0.29%	0.082%
145	10.267	10.254	10.275	VV	284	2617	0.04%	0.012%
146	10.301	10.275	10.334	VV	3340	44438	0.69%	0.198%
147	10.391	10.334	10.434	VV	476	18442	0.29%	0.082%
148	10.457	10.434	10.505	VV	403	9629	0.15%	0.043%
149	10.581	10.505	10.597	PV	389	8276	0.13%	0.037%
150	10.625	10.597	10.661	VV	420	12008	0.19%	0.054%
151	10.698	10.661	10.718	VV	811	15931	0.25%	0.071%
152	10.739	10.718	10.756	VV	757	13181	0.21%	0.059%
153	10.784	10.756	10.824	VV	573	18006	0.28%	0.080%
154	10.904	10.824	10.916	VV	604	20522	0.32%	0.092%
155	10.940	10.916	10.956	VV	817	16648	0.26%	0.074%
156	10.972	10.956	11.011	VV	1154	28957	0.45%	0.129%
157	11.044	11.011	11.088	VV	6087	88069	1.37%	0.393%
158	11.102	11.088	11.112	VV	691	7838	0.12%	0.035%
159	11.174	11.112	11.231	VV	1255	47978	0.75%	0.214%
160	11.264	11.231	11.285	VV	733	14676	0.23%	0.066%
161	11.333	11.285	11.346	VV	428	12596	0.20%	0.056%
162	11.368	11.346	11.399	VV	620	14458	0.22%	0.065%
163	11.415	11.399	11.423	VV	538	6685	0.10%	0.030%
164	11.443	11.423	11.457	VV	1004	14811	0.23%	0.066%
165	11.473	11.457	11.523	VV	873	21437	0.33%	0.096%
166	11.552	11.523	11.589	VV	410	10391	0.16%	0.046%
167	11.612	11.589	11.644	VV	447	8308	0.13%	0.037%
168	11.681	11.644	11.709	VV	2870	37583	0.58%	0.168%
169	11.750	11.709	11.781	VV	5042	68183	1.06%	0.304%
170	11.800	11.781	11.831	VV	366	8413	0.13%	0.038%
171	11.846	11.831	11.891	VV	710	11182	0.17%	0.050%
172	11.910	11.891	11.924	VV	157	1474	0.02%	0.007%
173	11.982	11.924	12.008	PV	285	7900	0.12%	0.035%
174	12.075	12.008	12.094	VV	701	18252	0.28%	0.081%
175	12.108	12.094	12.128	VV	570	9092	0.14%	0.041%
176	12.147	12.128	12.190	VV	735	16673	0.26%	0.074%
177	12.211	12.190	12.258	VV	588	15343	0.24%	0.069%
178	12.271	12.258	12.285	VV	216	2576	0.04%	0.011%
179	12.358	12.285	12.384	VV	732	23512	0.37%	0.105%
180	12.419	12.384	12.454	VV	1589	37604	0.59%	0.168%
181	12.488	12.454	12.504	VV	670	16527	0.26%	0.074%
182	12.515	12.504	12.541	VV	460	7665	0.12%	0.034%
183	12.557	12.541	12.569	VV	466	6529	0.10%	0.029%
184	12.578	12.569	12.611	VV	514	9121	0.14%	0.041%
185	12.640	12.611	12.681	VV	948	26444	0.41%	0.118%
186	12.706	12.681	12.750	VV	607	18488	0.29%	0.083%
187	12.795	12.750	12.820	VV	644	17397	0.27%	0.078%
188	12.836	12.820	12.852	VV	526	8470	0.13%	0.038%
189	12.878	12.852	12.892	VV	824	14360	0.22%	0.064%
190	12.918	12.892	12.944	VV	1208	22603	0.35%	0.101%
191	12.960	12.944	12.980	VV	445	7426	0.12%	0.033%
192	13.005	12.980	13.038	VV	2142	30207	0.47%	0.135%
193	13.065	13.038	13.110	VV	6424	82649	1.29%	0.369%
194	13.141	13.110	13.151	VV	283	5794	0.09%	0.026%

rteres

195	13.184	13.151	13.297	VV	619	15588	0.24%	0.070%
196	13.349	13.297	13.377	VV	307	10128	0.16%	0.045%
197	13.390	13.377	13.405	VV	293	3730	0.06%	0.017%
198	13.439	13.405	13.471	VV	462	15142	0.24%	0.068%
199	13.517	13.471	13.607	VV	545775	6427783	100.00%	28.699%
200	13.624	13.607	13.653	VV	860	19501	0.30%	0.087%
201	13.681	13.653	13.722	VV	1608	37694	0.59%	0.168%
202	13.734	13.722	13.783	VV	652	16924	0.26%	0.076%
203	13.804	13.783	13.837	VV	386	9478	0.15%	0.042%
204	13.889	13.837	13.922	VV	512	17131	0.27%	0.076%
205	13.955	13.922	14.008	VV	547	17697	0.28%	0.079%
206	14.018	14.008	14.055	VV	264	6134	0.10%	0.027%
207	14.062	14.055	14.068	VV	270	1867	0.03%	0.008%
208	14.080	14.068	14.094	VV	292	3696	0.06%	0.017%
209	14.123	14.094	14.164	VV	536	14224	0.22%	0.064%
210	14.216	14.164	14.240	VV	2313	38822	0.60%	0.173%
211	14.268	14.240	14.358	VV	5379	78617	1.22%	0.351%
212	14.365	14.358	14.384	VV	167	1537	0.02%	0.007%
213	14.426	14.384	14.454	VV	128	2917	0.05%	0.013%
214	14.512	14.454	14.551	PV	257	8767	0.14%	0.039%
215	14.561	14.551	14.588	VV	285	3529	0.05%	0.016%
216	14.604	14.588	14.618	VV	229	2668	0.04%	0.012%
217	14.663	14.618	14.677	VV	364	7681	0.12%	0.034%
218	14.707	14.677	14.741	VV	1862	30213	0.47%	0.135%
219	14.779	14.741	14.814	VV	715	20048	0.31%	0.090%
220	14.833	14.814	14.900	VV	973	22847	0.36%	0.102%
221	14.911	14.900	14.922	VV	301	3283	0.05%	0.015%
222	14.964	14.922	15.028	VV	784	24341	0.38%	0.109%
223	15.031	15.028	15.074	VV	253	4226	0.07%	0.019%
224	15.100	15.074	15.113	VV	278	5174	0.08%	0.023%
225	15.145	15.113	15.172	VV	480	11707	0.18%	0.052%
226	15.184	15.172	15.204	VV	337	4470	0.07%	0.020%
227	15.214	15.204	15.239	VV	311	4515	0.07%	0.020%
228	15.329	15.239	15.347	VV	2157	36917	0.57%	0.165%
229	15.373	15.347	15.405	VV	5501	82321	1.28%	0.368%
230	15.421	15.405	15.475	VV	406	9235	0.14%	0.041%
231	15.492	15.475	15.512	VV	142	2037	0.03%	0.009%
232	15.580	15.512	15.608	VV	200	5351	0.08%	0.024%
233	15.636	15.608	15.672	PV	195	3851	0.06%	0.017%
234	15.692	15.672	15.698	VV	117	978	0.02%	0.004%
235	15.707	15.698	15.734	VV	132	1851	0.03%	0.008%
236	15.777	15.734	15.791	VV	344	7559	0.12%	0.034%
237	15.794	15.791	15.830	VV	290	4448	0.07%	0.020%
238	15.855	15.830	15.876	VV	634	11255	0.18%	0.050%
239	15.896	15.876	15.930	VV	1098	18331	0.29%	0.082%
240	15.978	15.930	16.013	VV	445	11988	0.19%	0.054%
241	16.024	16.013	16.058	VV	210	3656	0.06%	0.016%
242	16.093	16.058	16.112	VV	155	4017	0.06%	0.018%
243	16.118	16.112	16.128	VV	120	723	0.01%	0.003%
244	16.227	16.128	16.238	PV	323	9594	0.15%	0.043%
245	16.253	16.238	16.282	VV	304	5645	0.09%	0.025%
246	16.298	16.282	16.314	VV	238	3026	0.05%	0.014%

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247	16.360	16.314	16.376	VV	1533	24673	0.38%	0.110%
248	16.398	16.376	16.442	VV	3997	60069	0.93%	0.268%
249	16.458	16.442	16.508	VV	347	7727	0.12%	0.035%
250	16.528	16.508	16.561	PV	267	4084	0.06%	0.018%
251	16.591	16.561	16.658	VV	243	7668	0.12%	0.034%
252	16.662	16.658	16.668	VV	109	399	0.01%	0.002%
253	16.683	16.668	16.695	PV	93	1140	0.02%	0.005%
254	16.710	16.695	16.729	VV	111	2030	0.03%	0.009%
255	16.783	16.729	16.798	VV	165	4243	0.07%	0.019%
256	16.812	16.798	16.821	PV	167	1480	0.02%	0.007%
257	16.883	16.821	16.935	VV	2700	54525	0.85%	0.243%
258	16.961	16.935	16.996	VV	369	7744	0.12%	0.035%
259	17.009	16.996	17.033	VV	125	2000	0.03%	0.009%
260	17.061	17.033	17.075	VV	204	3516	0.05%	0.016%
261	17.088	17.075	17.104	VV	158	1871	0.03%	0.008%
262	17.113	17.104	17.134	VV	114	967	0.02%	0.004%
263	17.243	17.134	17.262	PV	380	11940	0.19%	0.053%
264	17.350	17.262	17.414	VV	7943	134845	2.10%	0.602%
265	17.429	17.414	17.481	VV	330	7345	0.11%	0.033%
266	17.552	17.481	17.575	VV	172	5440	0.08%	0.024%
267	17.643	17.575	17.671	PV	182	4722	0.07%	0.021%
268	17.683	17.671	17.697	VV	148	1670	0.03%	0.007%
269	17.740	17.697	17.751	VV	278	5425	0.08%	0.024%
270	17.803	17.751	17.858	VV	12323	182981	2.85%	0.817%
271	17.890	17.858	17.955	VV	648	15479	0.24%	0.069%
272	17.979	17.955	17.990	VV	148	1609	0.03%	0.007%
273	18.041	17.990	18.053	PV	152	3666	0.06%	0.016%
274	18.084	18.053	18.110	VV	273	4348	0.07%	0.019%
275	18.129	18.110	18.138	PV	110	1423	0.02%	0.006%
276	18.241	18.138	18.308	PV	24845	370689	5.77%	1.655%
277	18.330	18.308	18.371	VV	554	10363	0.16%	0.046%
278	18.435	18.371	18.454	VV	303	7794	0.12%	0.035%
279	18.512	18.454	18.537	PV	678	11099	0.17%	0.050%
280	18.576	18.537	18.590	PV	272	3642	0.06%	0.016%
281	18.664	18.590	18.715	VV	32248	458825	7.14%	2.049%
282	18.759	18.715	18.788	VV	425	10668	0.17%	0.048%
283	18.929	18.788	18.951	VV	1434	16703	0.26%	0.075%
284	18.977	18.951	19.001	VV	393	6280	0.10%	0.028%
285	19.074	19.001	19.140	PV	45139	643289	10.01%	2.872%
286	19.175	19.140	19.198	VV	428	7493	0.12%	0.033%
287	19.331	19.198	19.354	VV	1979	29505	0.46%	0.132%
288	19.377	19.354	19.399	VV	1210	16063	0.25%	0.072%
289	19.474	19.399	19.537	PV	43068	610246	9.49%	2.725%
290	19.588	19.537	19.594	VV	426	12782	0.20%	0.057%
291	19.627	19.594	19.664	VV	829	18728	0.29%	0.084%
292	19.722	19.664	19.745	VV	3148	59707	0.93%	0.267%
293	19.767	19.745	19.794	VV	2236	37901	0.59%	0.169%
294	19.860	19.794	19.924	VV	46637	714624	11.12%	3.191%
295	20.058	19.924	20.067	VV	2191	140882	2.19%	0.629%
296	20.101	20.067	20.122	VV	4774	108620	1.69%	0.485%
297	20.146	20.122	20.181	VV	5025	123267	1.92%	0.550%
298	20.236	20.181	20.274	VV	37606	647973	10.08%	2.893%
299	20.301	20.274	20.317	VV	3249	83370	1.30%	0.372%

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300	20.422	20.317	20.436	VV	4554	270473	4.21%	1.208%
301	20.468	20.436	20.492	VV	6767	182693	2.84%	0.816%
302	20.515	20.492	20.541	VV	6917	168046	2.61%	0.750%
303	20.601	20.541	20.651	VV	38689	864732	13.45%	3.861%
304	20.672	20.651	20.688	VV	6547	139605	2.17%	0.623%
305	20.773	20.688	20.803	VV	8004	494643	7.70%	2.209%
306	20.830	20.803	20.858	VV	8930	265892	4.14%	1.187%
307	20.879	20.858	20.909	VV	9249	247806	3.86%	1.106%
308	20.970	20.909	21.021	VV	28653	838579	13.05%	3.744%
309	21.059	21.021	21.073	VV	8211	247882	3.86%	1.107%
310	21.151	21.073	21.194	VV	9442	618781	9.63%	2.763%
311	21.224	21.194	21.250	VV	8640	275363	4.28%	1.229%
312	21.279	21.250	21.309	VV	8619	273196	4.25%	1.220%
313	21.379	21.309	21.461	VV	25106	960832	14.95%	4.290%
314	21.484	21.461	21.521	VV	6258	215495	3.35%	0.962%
315	21.588	21.521	21.630	VV	6313	380026	5.91%	1.697%
316	21.660	21.630	21.697	VV	5656	214301	3.33%	0.957%
317	21.724	21.697	21.773	VV	5655	223950	3.48%	1.000%
318	21.841	21.773	21.946	VV	12048	541962	8.43%	2.420%
319	21.981	21.946	21.994	VV	2778	78878	1.23%	0.352%
320	22.032	21.994	22.044	VV	2713	76659	1.19%	0.342%
321	22.075	22.044	22.130	VV	2599	116657	1.81%	0.521%
322	22.158	22.130	22.207	VV	1783	63874	0.99%	0.285%
323	22.237	22.207	22.284	VV	1094	29426	0.46%	0.131%

Sum of corrected areas: 22396857

Aliphatic EPH 080125.M Wed Aug 27 03:48:00 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049678.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 20:08
Operator : YP/AJ
Sample : Q2934-03
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-SW03

Integration File: autoint1.e
Quant Time: Aug 27 01:44:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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...	7.715	5390679	52.599 ug/ml
Spiked Amount 50.000		Recovery = 105.20%	
6) S 2-Flurobiphenyl (SURR)	8.580	3802217	52.053 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 104.11%	
11) S ortho-Terphenyl (SURR)	11.626	4984490	38.403 ug/ml
Spiked Amount 50.000		Recovery = 76.81%	
Target Compounds			

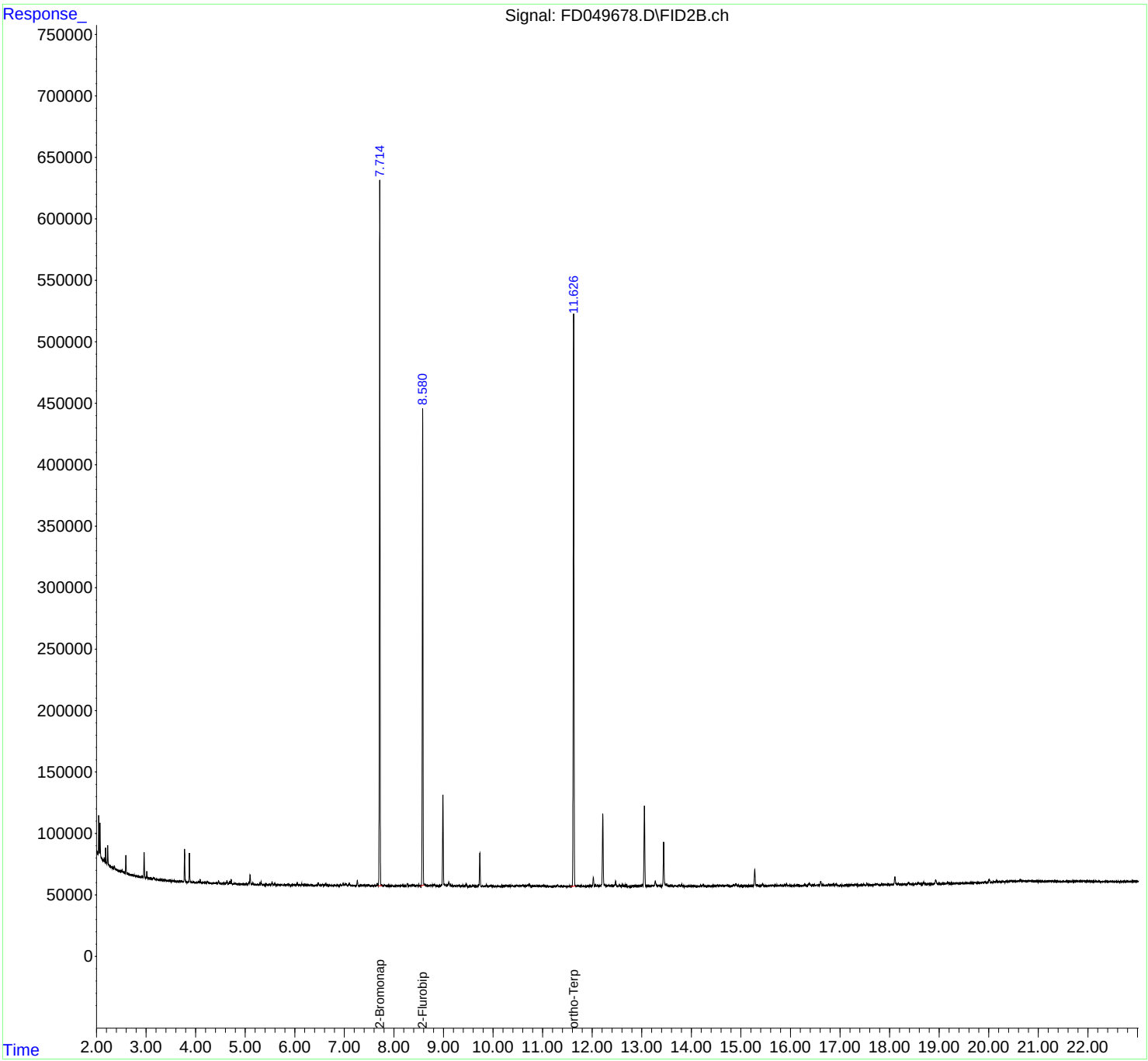
(f)=RT Delta > 1/2 Window (m)=manual int.

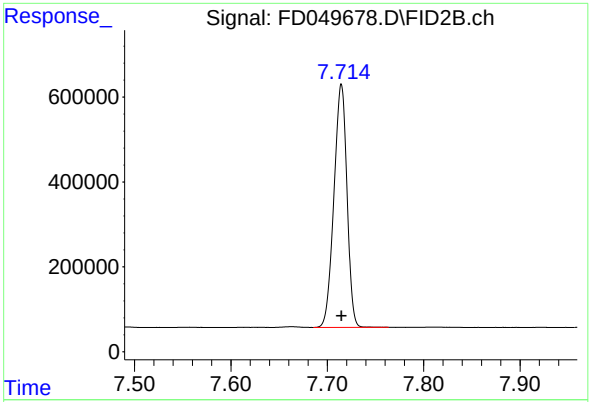
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049678.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 20:08
Operator : YP/AJ
Sample : Q2934-03
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-SW03

Integration File: autoint1.e
Quant Time: Aug 27 01:44:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

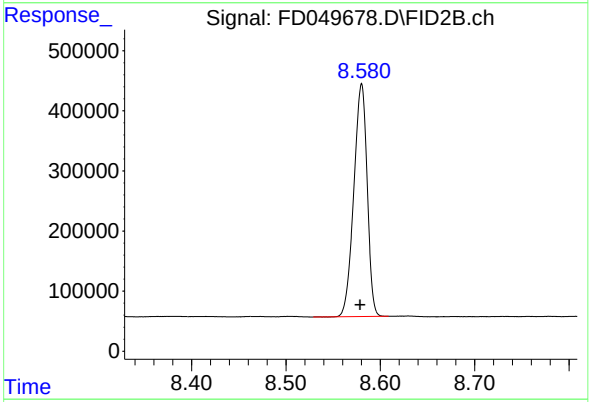




#4 2-Bromonaphthalene (SURR)

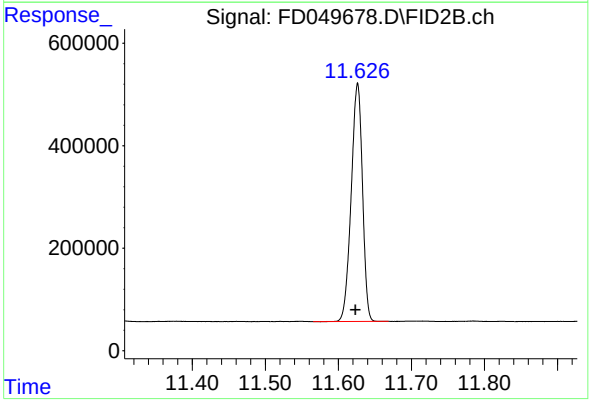
R.T.: 7.715 min
Delta R.T.: 0.000 min
Response: 5390679
Conc: 52.60 ug/ml

Instrument :
FID_D
ClientSampleId :
ENV-SW03



#6 2-Flurobiphenyl (SURR)

R.T.: 8.580 min
Delta R.T.: 0.002 min
Response: 3802217
Conc: 52.05 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.626 min
Delta R.T.: 0.003 min
Response: 4984490
Conc: 38.40 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049678.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 20:08
Sample : Q2934-03
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.271	4.252	4.313	BV	232	3529	0.07%	0.016%
2	4.327	4.313	4.342	PV	387	3429	0.06%	0.015%
3	4.358	4.342	4.380	VV	663	8632	0.16%	0.038%
4	4.384	4.380	4.400	VV	340	3229	0.06%	0.014%
5	4.417	4.400	4.446	VV	721	11861	0.22%	0.052%
6	4.464	4.446	4.489	VV	2382	25761	0.48%	0.113%
7	4.502	4.489	4.527	VV	386	6125	0.11%	0.027%
8	4.533	4.527	4.543	VV	344	2764	0.05%	0.012%
9	4.582	4.543	4.600	VV	814	14837	0.27%	0.065%
10	4.611	4.600	4.617	VV	618	4861	0.09%	0.021%
11	4.632	4.617	4.657	VV	2667	29264	0.54%	0.129%
12	4.666	4.657	4.672	VV	460	2944	0.05%	0.013%
13	4.688	4.672	4.702	VV	2481	24243	0.45%	0.106%
14	4.718	4.702	4.743	VV	3824	36607	0.68%	0.161%
15	4.748	4.743	4.756	VV	402	1070	0.02%	0.005%
16	4.771	4.756	4.784	VV	580	5731	0.11%	0.025%
17	4.799	4.784	4.824	VV	825	10791	0.20%	0.047%
18	4.833	4.824	4.856	VV	507	4559	0.08%	0.020%
19	4.878	4.872	4.884	VV	218	1018	0.02%	0.004%
20	4.888	4.884	4.899	VV	228	1001	0.02%	0.004%
21	4.908	4.899	4.932	VV	580	5740	0.11%	0.025%
22	4.938	4.932	4.944	VV	289	1583	0.03%	0.007%
23	4.948	4.944	4.955	VV	278	1215	0.02%	0.005%
24	4.963	4.955	4.972	VV	222	1648	0.03%	0.007%
25	4.982	4.972	5.002	VV	457	3618	0.07%	0.016%
26	5.021	5.002	5.038	VV	677	8339	0.15%	0.037%
27	5.044	5.038	5.053	VV	388	2226	0.04%	0.010%
28	5.072	5.053	5.081	VV	1787	17444	0.32%	0.077%
29	5.098	5.081	5.124	VV	8109	88784	1.64%	0.390%
30	5.156	5.124	5.175	VV	1924	21825	0.40%	0.096%
31	5.211	5.187	5.229	VV	400	6912	0.13%	0.030%
32	5.232	5.229	5.239	VV	342	1778	0.03%	0.008%
33	5.249	5.239	5.274	VV	371	5442	0.10%	0.024%
34	5.290	5.274	5.304	VV	751	7289	0.13%	0.032%
35	5.319	5.304	5.362	VV	2401	31173	0.57%	0.137%
36	5.369	5.362	5.374	VV	329	2175	0.04%	0.010%

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rteres

37	5.384	5.380	5.394	VV	302	1450	0.03%	0.006%
38	5.400	5.394	5.415	PV	349	2254	0.04%	0.010%
39	5.432	5.415	5.439	VV	301	3246	0.06%	0.014%
40	5.446	5.439	5.452	VV	362	2076	0.04%	0.009%
41	5.461	5.452	5.485	VV	545	7783	0.14%	0.034%
42	5.500	5.485	5.519	VV	1052	10982	0.20%	0.048%
43	5.542	5.519	5.575	VV	2942	35627	0.66%	0.156%
44	5.579	5.575	5.583	VV	510	1884	0.03%	0.008%
45	5.596	5.583	5.625	VV	1087	13391	0.25%	0.059%
46	5.646	5.625	5.654	VV	347	4742	0.09%	0.021%
47	5.665	5.654	5.677	VV	507	5055	0.09%	0.022%
48	5.681	5.677	5.703	VV	498	5567	0.10%	0.024%
49	5.714	5.703	5.718	VV	368	2800	0.05%	0.012%
50	5.724	5.718	5.732	VV	432	3190	0.06%	0.014%
51	5.743	5.732	5.762	VV	525	6272	0.12%	0.028%
52	5.797	5.762	5.806	VV	561	8757	0.16%	0.038%
53	5.810	5.806	5.824	VV	390	3385	0.06%	0.015%
54	5.838	5.824	5.843	VV	434	4110	0.08%	0.018%
55	5.860	5.843	5.874	VV	565	7213	0.13%	0.032%
56	5.881	5.874	5.886	VV	491	2346	0.04%	0.010%
57	5.901	5.886	5.923	VV	517	7446	0.14%	0.033%
58	5.960	5.923	5.978	VV	561	11261	0.21%	0.049%
59	5.988	5.978	6.006	VV	622	7992	0.15%	0.035%
60	6.051	6.006	6.080	VV	1884	32101	0.59%	0.141%
61	6.098	6.080	6.118	VV	771	11150	0.21%	0.049%
62	6.140	6.118	6.179	VV	1656	26813	0.49%	0.118%
63	6.188	6.179	6.192	VV	612	4259	0.08%	0.019%
64	6.199	6.192	6.237	VV	698	13145	0.24%	0.058%
65	6.257	6.237	6.264	VV	608	7496	0.14%	0.033%
66	6.272	6.264	6.294	VV	687	8950	0.17%	0.039%
67	6.309	6.294	6.320	VV	383	5528	0.10%	0.024%
68	6.333	6.320	6.354	VV	824	9086	0.17%	0.040%
69	6.358	6.354	6.370	VV	281	2165	0.04%	0.010%
70	6.375	6.370	6.386	VV	343	2130	0.04%	0.009%
71	6.408	6.386	6.418	VV	393	5650	0.10%	0.025%
72	6.421	6.418	6.445	VV	474	5186	0.10%	0.023%
73	6.452	6.445	6.458	VV	655	2904	0.05%	0.013%
74	6.478	6.458	6.499	VV	2141	26187	0.48%	0.115%
75	6.511	6.499	6.533	VV	599	9724	0.18%	0.043%
76	6.564	6.533	6.580	VV	1280	19912	0.37%	0.087%
77	6.599	6.580	6.612	VV	893	11821	0.22%	0.052%
78	6.628	6.612	6.654	VV	2387	28392	0.52%	0.125%
79	6.662	6.654	6.682	VV	720	5934	0.11%	0.026%
80	6.700	6.682	6.719	PV	1240	12728	0.23%	0.056%
81	6.725	6.719	6.733	VV	465	2687	0.05%	0.012%
82	6.744	6.733	6.756	VV	348	4011	0.07%	0.018%
83	6.761	6.756	6.778	VV	368	3054	0.06%	0.013%
84	6.806	6.778	6.819	VV	554	8027	0.15%	0.035%
85	6.829	6.819	6.836	VV	397	3428	0.06%	0.015%
86	6.855	6.836	6.860	VV	817	8437	0.16%	0.037%
87	6.865	6.860	6.880	VV	807	5616	0.10%	0.025%
88	6.885	6.880	6.892	VV	339	1718	0.03%	0.008%
89	6.921	6.892	6.944	VV	1388	20954	0.39%	0.092%

rteres

90	6.973	6.944	6.988	VV	2141	29852	0.55%	0.131%
91	7.000	6.988	7.006	VV	1201	11419	0.21%	0.050%
92	7.022	7.006	7.030	VV	1613	19323	0.36%	0.085%
93	7.035	7.030	7.071	VV	1523	21880	0.40%	0.096%
94	7.101	7.071	7.135	VV	2390	42433	0.78%	0.186%
95	7.140	7.135	7.149	VV	469	3289	0.06%	0.014%
96	7.152	7.149	7.159	VV	473	2511	0.05%	0.011%
97	7.163	7.159	7.170	VV	404	2720	0.05%	0.012%
98	7.172	7.170	7.183	VV	440	2423	0.04%	0.011%
99	7.185	7.183	7.198	VV	389	2652	0.05%	0.012%
100	7.207	7.198	7.225	VV	587	5892	0.11%	0.026%
101	7.231	7.225	7.237	VV	232	1249	0.02%	0.005%
102	7.262	7.237	7.289	VV	4725	54442	1.00%	0.239%
103	7.319	7.289	7.336	VV	944	14430	0.27%	0.063%
104	7.343	7.336	7.353	VV	692	5912	0.11%	0.026%
105	7.367	7.353	7.380	VV	892	10384	0.19%	0.046%
106	7.398	7.380	7.425	VV	1419	20154	0.37%	0.089%
107	7.438	7.425	7.448	VV	574	5710	0.11%	0.025%
108	7.466	7.448	7.477	VV	981	12564	0.23%	0.055%
109	7.492	7.477	7.515	VV	1344	16522	0.30%	0.073%
110	7.525	7.515	7.533	VV	325	2477	0.05%	0.011%
111	7.557	7.533	7.580	VV	681	11663	0.22%	0.051%
112	7.583	7.580	7.597	VV	348	2243	0.04%	0.010%
113	7.611	7.597	7.620	VV	549	5650	0.10%	0.025%
114	7.631	7.620	7.643	VV	576	6271	0.12%	0.028%
115	7.663	7.643	7.685	VV	2103	27110	0.50%	0.119%
116	7.715	7.685	7.785	VV	573467	5421577	100.00%	23.810%
117	7.809	7.785	7.855	VV	1113	28293	0.52%	0.124%
118	7.857	7.855	7.867	VV	490	2581	0.05%	0.011%
119	7.876	7.867	7.894	VV	470	6423	0.12%	0.028%
120	7.897	7.894	7.903	VV	489	2148	0.04%	0.009%
121	7.922	7.903	7.952	VV	650	12016	0.22%	0.053%
122	7.968	7.952	7.989	VV	1111	11932	0.22%	0.052%
123	8.023	7.989	8.029	PV	485	7059	0.13%	0.031%
124	8.032	8.029	8.039	VV	504	2581	0.05%	0.011%
125	8.057	8.039	8.066	VV	821	10440	0.19%	0.046%
126	8.071	8.066	8.092	VV	622	6797	0.13%	0.030%
127	8.099	8.092	8.105	VV	491	3261	0.06%	0.014%
128	8.111	8.105	8.127	VV	698	6277	0.12%	0.028%
129	8.168	8.127	8.189	VV	920	22054	0.41%	0.097%
130	8.198	8.189	8.209	VV	556	5154	0.10%	0.023%
131	8.215	8.209	8.229	VV	520	4410	0.08%	0.019%
132	8.269	8.229	8.292	VV	2656	38465	0.71%	0.169%
133	8.299	8.292	8.304	VV	687	4073	0.08%	0.018%
134	8.307	8.304	8.313	VV	756	2782	0.05%	0.012%
135	8.330	8.313	8.342	VV	766	9576	0.18%	0.042%
136	8.364	8.342	8.369	VV	981	10767	0.20%	0.047%
137	8.382	8.369	8.398	VV	1125	16985	0.31%	0.075%
138	8.408	8.398	8.441	VV	891	18368	0.34%	0.081%
139	8.462	8.441	8.492	VV	1007	19767	0.36%	0.087%
140	8.503	8.492	8.529	VV	1224	15382	0.28%	0.068%
141	8.535	8.529	8.545	VV	352	2279	0.04%	0.010%

rteres

142	8.580	8.545	8.610	VV	388943	3836171	70.76%	16.847%
143	8.630	8.610	8.654	VV	1809	33482	0.62%	0.147%
144	8.678	8.654	8.702	VV	873	19968	0.37%	0.088%
145	8.710	8.702	8.715	VV	796	6195	0.11%	0.027%
146	8.734	8.715	8.747	VV	1051	16632	0.31%	0.073%
147	8.757	8.747	8.765	VV	1148	10046	0.19%	0.044%
148	8.779	8.765	8.793	VV	1341	16290	0.30%	0.072%
149	8.820	8.793	8.853	VV	1425	34129	0.63%	0.150%
150	8.871	8.853	8.910	VV	886	17867	0.33%	0.078%
151	8.927	8.910	8.937	VV	934	11017	0.20%	0.048%
152	8.939	8.937	8.945	VV	735	2922	0.05%	0.013%
153	8.989	8.945	9.012	VV	74523	761326	14.04%	3.344%
154	9.022	9.012	9.039	VV	1969	26101	0.48%	0.115%
155	9.044	9.039	9.058	VV	1218	12304	0.23%	0.054%
156	9.073	9.058	9.085	VV	1636	21055	0.39%	0.092%
157	9.108	9.085	9.134	VV	3398	56853	1.05%	0.250%
158	9.143	9.134	9.164	VV	1315	15954	0.29%	0.070%
159	9.180	9.164	9.208	VV	1075	15239	0.28%	0.067%
160	9.228	9.208	9.241	VV	963	12872	0.24%	0.057%
161	9.272	9.241	9.290	VV	882	16458	0.30%	0.072%
162	9.312	9.290	9.359	VV	1048	23462	0.43%	0.103%
163	9.381	9.359	9.386	VV	916	12692	0.23%	0.056%
164	9.391	9.386	9.418	VV	1156	11083	0.20%	0.049%
165	9.427	9.418	9.440	VV	436	5604	0.10%	0.025%
166	9.456	9.440	9.505	VV	1961	30728	0.57%	0.135%
167	9.532	9.505	9.539	PV	683	7625	0.14%	0.033%
168	9.544	9.539	9.550	VV	494	2980	0.05%	0.013%
169	9.554	9.550	9.567	VV	590	3691	0.07%	0.016%
170	9.594	9.567	9.633	VV	1022	18660	0.34%	0.082%
171	9.658	9.633	9.663	VV	557	8068	0.15%	0.035%
172	9.665	9.663	9.672	VV	451	2113	0.04%	0.009%
173	9.704	9.672	9.712	VV	1356	19230	0.35%	0.084%
174	9.734	9.712	9.769	VV	27404	281739	5.20%	1.237%
175	9.784	9.769	9.797	VV	707	9589	0.18%	0.042%
176	9.804	9.797	9.833	VV	729	9379	0.17%	0.041%
177	9.866	9.833	9.899	VV	1586	22415	0.41%	0.098%
178	9.904	9.899	9.912	VV	298	1824	0.03%	0.008%
179	9.939	9.912	9.952	VV	792	13302	0.25%	0.058%
180	9.957	9.952	9.975	VV	678	6666	0.12%	0.029%
181	9.980	9.975	9.987	VV	407	2321	0.04%	0.010%
182	9.992	9.987	10.000	VV	374	1778	0.03%	0.008%
183	10.012	10.000	10.030	VV	420	5234	0.10%	0.023%
184	10.039	10.030	10.054	VV	461	4945	0.09%	0.022%
185	10.066	10.054	10.077	VV	361	4087	0.08%	0.018%
186	10.096	10.077	10.111	VV	508	7015	0.13%	0.031%
187	10.117	10.111	10.142	VV	443	6055	0.11%	0.027%
188	10.148	10.142	10.158	VV	389	3015	0.06%	0.013%
189	10.193	10.158	10.203	VV	701	14266	0.26%	0.063%
190	10.210	10.203	10.222	VV	554	4960	0.09%	0.022%
191	10.226	10.222	10.230	VV	393	1695	0.03%	0.007%
192	10.257	10.230	10.276	VV	764	15982	0.29%	0.070%
193	10.301	10.276	10.312	VV	945	16340	0.30%	0.072%
194	10.319	10.312	10.337	VV	704	9275	0.17%	0.041%

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195	10.348	10.337	10.368	VV	774	10205	0.19%	0.045%
196	10.387	10.368	10.408	VV	1122	17346	0.32%	0.076%
197	10.419	10.408	10.438	VV	579	8757	0.16%	0.038%
198	10.488	10.438	10.519	VV	1266	39247	0.72%	0.172%
199	10.535	10.519	10.540	VV	890	10073	0.19%	0.044%
200	10.553	10.540	10.567	VV	1111	13544	0.25%	0.059%
201	10.601	10.567	10.640	VV	1554	40223	0.74%	0.177%
202	10.658	10.640	10.677	VV	1037	15181	0.28%	0.067%
203	10.699	10.677	10.712	VV	1279	21973	0.41%	0.096%
204	10.735	10.712	10.765	VV	2020	39073	0.72%	0.172%
205	10.792	10.765	10.809	VV	610	14196	0.26%	0.062%
206	10.822	10.809	10.831	VV	711	7564	0.14%	0.033%
207	10.835	10.831	10.845	VV	696	4596	0.08%	0.020%
208	10.853	10.845	10.868	VV	685	8377	0.15%	0.037%
209	10.879	10.868	10.915	VV	843	18811	0.35%	0.083%
210	10.926	10.915	10.957	VV	804	15007	0.28%	0.066%
211	10.978	10.957	10.985	VV	726	9403	0.17%	0.041%
212	11.000	10.985	11.011	VV	768	10131	0.19%	0.044%
213	11.029	11.011	11.050	VV	1232	20786	0.38%	0.091%
214	11.057	11.050	11.072	VV	671	5914	0.11%	0.026%
215	11.077	11.072	11.084	VV	346	2179	0.04%	0.010%
216	11.099	11.084	11.130	VV	553	11248	0.21%	0.049%
217	11.132	11.130	11.137	VV	470	1419	0.03%	0.006%
218	11.142	11.137	11.163	VV	489	5001	0.09%	0.022%
219	11.167	11.163	11.180	VV	267	1683	0.03%	0.007%
220	11.203	11.180	11.215	PV	241	2724	0.05%	0.012%
221	11.234	11.215	11.254	VV	885	11617	0.21%	0.051%
222	11.276	11.254	11.287	VV	744	8923	0.16%	0.039%
223	11.303	11.287	11.332	VV	1798	22866	0.42%	0.100%
224	11.355	11.332	11.361	VV	649	5649	0.10%	0.025%
225	11.379	11.361	11.440	VV	914	22265	0.41%	0.098%
226	11.446	11.440	11.449	VV	295	1167	0.02%	0.005%
227	11.466	11.449	11.482	VV	533	6397	0.12%	0.028%
228	11.500	11.482	11.514	VV	454	5426	0.10%	0.024%
229	11.521	11.514	11.538	VV	598	5585	0.10%	0.025%
230	11.548	11.538	11.576	VV	741	8064	0.15%	0.035%
231	11.626	11.576	11.678	VV	466673	5010050	92.41%	22.003%
232	11.702	11.678	11.710	VV	1089	16818	0.31%	0.074%
233	11.715	11.710	11.739	VV	1216	14859	0.27%	0.065%
234	11.785	11.739	11.815	VV	1222	30016	0.55%	0.132%
235	11.825	11.815	11.843	VV	766	8300	0.15%	0.036%
236	11.873	11.843	11.881	VV	517	8288	0.15%	0.036%
237	11.905	11.881	11.913	VV	565	8644	0.16%	0.038%
238	11.928	11.913	11.936	VV	681	7861	0.15%	0.035%
239	11.957	11.936	11.984	VV	1082	22652	0.42%	0.099%
240	12.023	11.984	12.047	VV	7511	96264	1.78%	0.423%
241	12.065	12.047	12.089	VV	1285	21101	0.39%	0.093%
242	12.108	12.089	12.146	VV	948	24118	0.44%	0.106%
243	12.154	12.146	12.162	VV	627	5290	0.10%	0.023%
244	12.214	12.162	12.289	VV	59214	739818	13.65%	3.249%
245	12.304	12.289	12.314	VV	797	10437	0.19%	0.046%
246	12.319	12.314	12.325	VV	717	4540	0.08%	0.020%

rteres

247	12.341	12.325	12.363	VV	1092	18958	0.35%	0.083%
248	12.381	12.363	12.386	VV	1065	11200	0.21%	0.049%
249	12.389	12.386	12.437	VV	917	22005	0.41%	0.097%
250	12.474	12.437	12.504	VV	4025	69959	1.29%	0.307%
251	12.508	12.504	12.527	VV	501	4649	0.09%	0.020%
252	12.548	12.527	12.579	VV	1533	24034	0.44%	0.106%
253	12.609	12.579	12.633	VV	2360	31440	0.58%	0.138%
254	12.646	12.633	12.656	VV	741	6768	0.12%	0.030%
255	12.664	12.656	12.720	VV	1108	22673	0.42%	0.100%
256	12.739	12.720	12.755	PV	569	4996	0.09%	0.022%
257	12.792	12.777	12.802	VV	193	2480	0.05%	0.011%
258	12.824	12.802	12.849	VV	690	12659	0.23%	0.056%
259	12.864	12.849	12.874	VV	594	7278	0.13%	0.032%
260	12.885	12.874	12.910	VV	680	10783	0.20%	0.047%
261	12.916	12.910	12.919	VV	502	2330	0.04%	0.010%
262	12.923	12.919	12.927	VV	463	2127	0.04%	0.009%
263	12.932	12.927	12.937	VV	491	2704	0.05%	0.012%
264	12.944	12.937	12.950	VV	449	3286	0.06%	0.014%
265	12.972	12.950	12.990	VV	1021	16225	0.30%	0.071%
266	13.003	12.990	13.012	VV	1326	13213	0.24%	0.058%
267	13.013	13.012	13.024	VV	1220	6617	0.12%	0.029%
268	13.054	13.024	13.089	VV	65961	792793	14.62%	3.482%
269	13.110	13.089	13.135	VV	832	17798	0.33%	0.078%
270	13.139	13.135	13.167	VV	583	8550	0.16%	0.038%
271	13.208	13.167	13.228	VV	908	23645	0.44%	0.104%
272	13.242	13.228	13.252	VV	891	11223	0.21%	0.049%
273	13.274	13.252	13.317	VV	4738	78399	1.45%	0.344%
274	13.339	13.317	13.362	VV	923	20151	0.37%	0.088%
275	13.367	13.362	13.374	VV	646	4183	0.08%	0.018%
276	13.390	13.374	13.396	VV	699	7882	0.15%	0.035%
277	13.443	13.396	13.478	VV	36261	437180	8.06%	1.920%
278	13.486	13.478	13.541	VV	1617	42339	0.78%	0.186%
279	13.569	13.541	13.586	VV	720	16229	0.30%	0.071%
280	13.600	13.586	13.607	VV	980	9834	0.18%	0.043%
281	13.611	13.607	13.636	VV	768	8689	0.16%	0.038%
282	13.646	13.636	13.650	VV	275	2010	0.04%	0.009%
283	13.679	13.650	13.707	VV	958	16087	0.30%	0.071%
284	13.753	13.707	13.776	VV	1436	25284	0.47%	0.111%
285	13.806	13.776	13.851	VV	1780	31088	0.57%	0.137%
286	13.863	13.851	13.870	VV	394	3707	0.07%	0.016%
287	13.872	13.870	13.883	VV	414	1533	0.03%	0.007%
288	13.890	13.883	13.909	VV	233	3401	0.06%	0.015%
289	13.921	13.909	13.925	VV	305	2593	0.05%	0.011%
290	13.930	13.925	13.966	VV	309	5541	0.10%	0.024%
291	13.972	13.966	14.022	PV	193	7016	0.13%	0.031%
292	14.029	14.022	14.055	VV	433	6956	0.13%	0.031%
293	14.068	14.055	14.089	VV	320	5830	0.11%	0.026%
294	14.099	14.089	14.129	VV	458	4597	0.08%	0.020%
295	14.145	14.129	14.153	VV	264	2174	0.04%	0.010%
296	14.191	14.153	14.212	VV	905	14774	0.27%	0.065%
297	14.238	14.212	14.260	VV	1809	27214	0.50%	0.120%
298	14.273	14.260	14.309	VV	516	10954	0.20%	0.048%
299	14.335	14.309	14.345	VV	559	8166	0.15%	0.036%

rteres

300	14.360	14.345	14.386	VV	549	8358	0.15%	0.037%
301	14.467	14.386	14.482	VV	606	22090	0.41%	0.097%
302	14.533	14.482	14.557	VV	995	27304	0.50%	0.120%
303	14.578	14.557	14.602	VV	675	13220	0.24%	0.058%
304	14.631	14.602	14.662	VV	642	17568	0.32%	0.077%
305	14.684	14.662	14.702	VV	777	15327	0.28%	0.067%
306	14.716	14.702	14.731	VV	788	11815	0.22%	0.052%
307	14.755	14.731	14.795	VV	646	17457	0.32%	0.077%
308	14.809	14.795	14.819	VV	453	4549	0.08%	0.020%
309	14.862	14.819	14.876	VV	1191	25702	0.47%	0.113%
310	14.905	14.876	14.934	VV	2058	35134	0.65%	0.154%
311	14.950	14.934	14.971	VV	993	12895	0.24%	0.057%
312	15.017	14.971	15.049	VV	570	10834	0.20%	0.048%
313	15.078	15.049	15.094	VV	583	11149	0.21%	0.049%
314	15.103	15.094	15.142	VV	425	9266	0.17%	0.041%
315	15.168	15.142	15.192	VV	591	10982	0.20%	0.048%
316	15.206	15.192	15.235	VV	510	8443	0.16%	0.037%
317	15.279	15.235	15.314	VV	13702	185755	3.43%	0.816%
318	15.321	15.314	15.378	VV	1008	24450	0.45%	0.107%
319	15.389	15.378	15.407	VV	616	8690	0.16%	0.038%
320	15.441	15.407	15.504	VV	1741	38838	0.72%	0.171%
321	15.510	15.504	15.532	VV	336	3345	0.06%	0.015%
322	15.565	15.532	15.570	VV	516	8992	0.17%	0.039%
323	15.591	15.570	15.608	VV	593	12097	0.22%	0.053%
324	15.635	15.608	15.680	VV	949	27133	0.50%	0.119%
325	15.713	15.680	15.732	VV	700	17543	0.32%	0.077%
326	15.743	15.732	15.769	VV	633	11896	0.22%	0.052%
327	15.798	15.769	15.818	VV	932	20123	0.37%	0.088%
328	15.831	15.818	15.865	VV	666	16209	0.30%	0.071%
329	15.884	15.865	15.905	VV	1090	18684	0.34%	0.082%
330	15.922	15.905	15.943	VV	1716	22029	0.41%	0.097%
331	15.980	15.943	16.027	VV	782	22262	0.41%	0.098%
332	16.073	16.027	16.111	VV	741	20537	0.38%	0.090%
333	16.136	16.111	16.164	VV	1016	18375	0.34%	0.081%
334	16.168	16.164	16.212	VV	717	10146	0.19%	0.045%
335	16.241	16.212	16.277	VV	551	16833	0.31%	0.074%
336	16.290	16.277	16.332	VV	1439	23527	0.43%	0.103%
337	16.381	16.332	16.433	VV	1966	57781	1.07%	0.254%
338	16.449	16.433	16.475	VV	757	15750	0.29%	0.069%
339	16.487	16.475	16.504	VV	1087	13403	0.25%	0.059%
340	16.537	16.504	16.565	VV	1076	26536	0.49%	0.117%
341	16.574	16.565	16.582	VV	748	7615	0.14%	0.033%
342	16.610	16.582	16.678	VV	4133	84559	1.56%	0.371%
343	16.736	16.678	16.749	VV	793	25428	0.47%	0.112%
344	16.773	16.749	16.795	VV	1180	24054	0.44%	0.106%
345	16.835	16.795	16.846	VV	1168	25563	0.47%	0.112%
346	16.869	16.846	16.897	VV	1452	30384	0.56%	0.133%
347	16.921	16.897	16.953	VV	1607	33550	0.62%	0.147%
348	17.003	16.953	17.025	VV	586	19626	0.36%	0.086%
349	17.045	17.025	17.071	VV	591	12529	0.23%	0.055%
350	17.109	17.071	17.125	VV	786	18735	0.35%	0.082%
351	17.159	17.125	17.188	VV	763	23814	0.44%	0.105%

rteres

352	17.233	17.188	17.256	VV	1263	34603	0.64%	0.152%
353	17.270	17.256	17.287	VV	747	12769	0.24%	0.056%
354	17.313	17.287	17.379	VV	1317	43447	0.80%	0.191%
355	17.425	17.379	17.447	VV	1036	31227	0.58%	0.137%
356	17.485	17.447	17.521	VV	976	30720	0.57%	0.135%
357	17.545	17.521	17.595	VV	2110	47388	0.87%	0.208%
358	17.615	17.595	17.651	VV	845	24322	0.45%	0.107%
359	17.679	17.651	17.700	VV	1160	25867	0.48%	0.114%
360	17.725	17.700	17.734	VV	1449	24790	0.46%	0.109%
361	17.751	17.734	17.781	VV	1761	34884	0.64%	0.153%
362	17.794	17.781	17.805	VV	813	8882	0.16%	0.039%
363	17.842	17.805	17.877	PV	2046	45113	0.83%	0.198%
364	17.906	17.877	17.947	VV	1094	35432	0.65%	0.156%
365	17.971	17.947	18.015	VV	1181	32199	0.59%	0.141%
366	18.036	18.015	18.063	VV	751	17803	0.33%	0.078%
367	18.107	18.063	18.161	VV	6977	129703	2.39%	0.570%
368	18.179	18.161	18.227	VV	1409	26950	0.50%	0.118%
369	18.272	18.227	18.291	VV	577	15766	0.29%	0.069%
370	18.310	18.291	18.334	VV	694	12032	0.22%	0.053%
371	18.383	18.334	18.413	VV	1893	36896	0.68%	0.162%
372	18.425	18.413	18.441	VV	439	6251	0.12%	0.027%
373	18.451	18.441	18.492	VV	490	7496	0.14%	0.033%

Sum of corrected areas: 22770094

Aromatic EPH 081125.M Wed Aug 27 02:12:17 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055524.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 00:33
Operator : YP\AJ
Sample : Q2934-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-SW03

Integration File: sample.E
Quant Time: Aug 27 02:39:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 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...	13.517	5962333	55.451 ug/ml
Spiked Amount 50.000		Recovery = 110.90%	
Target Compounds			

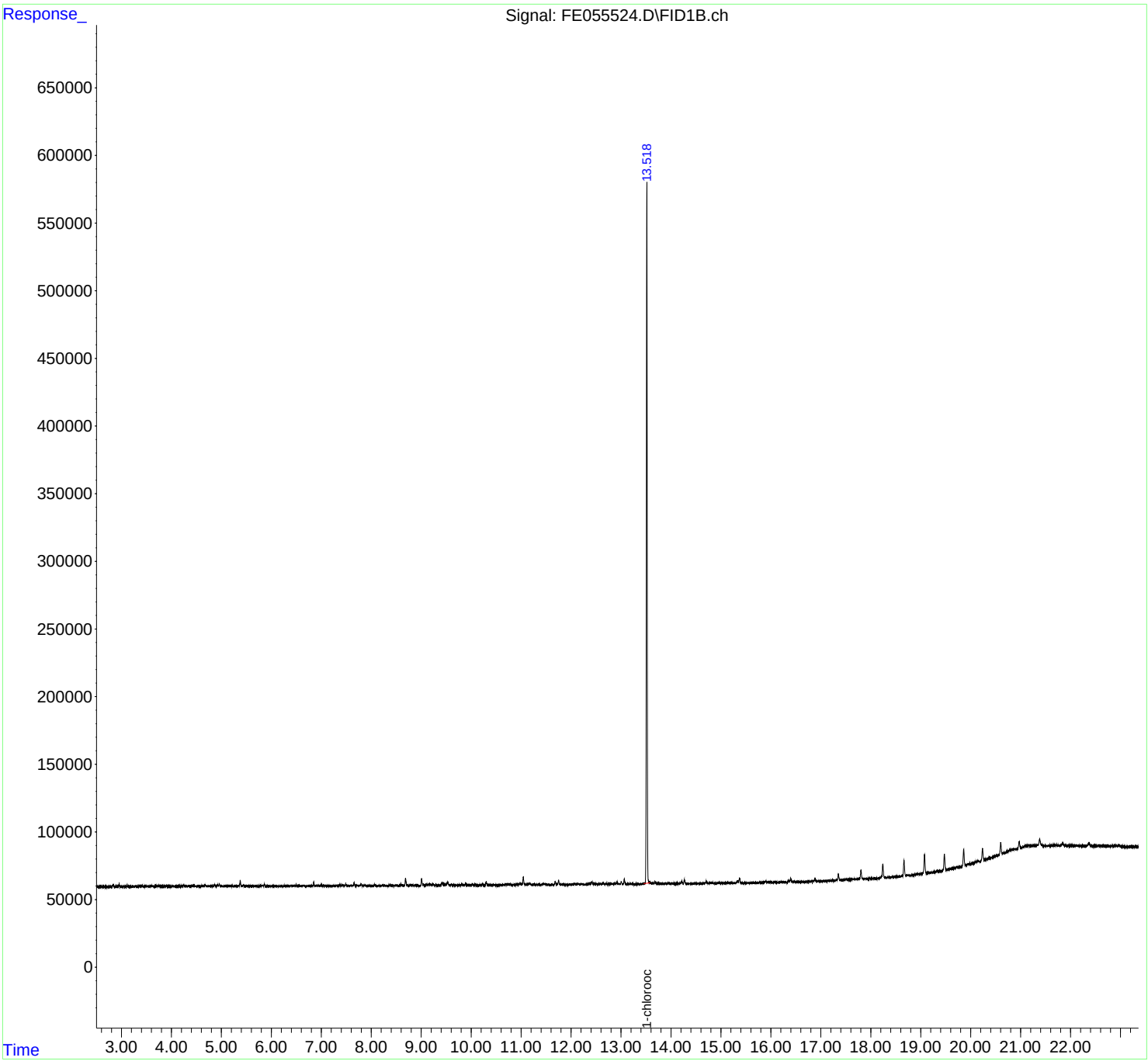
(f)=RT Delta > 1/2 Window (m)=manual int.

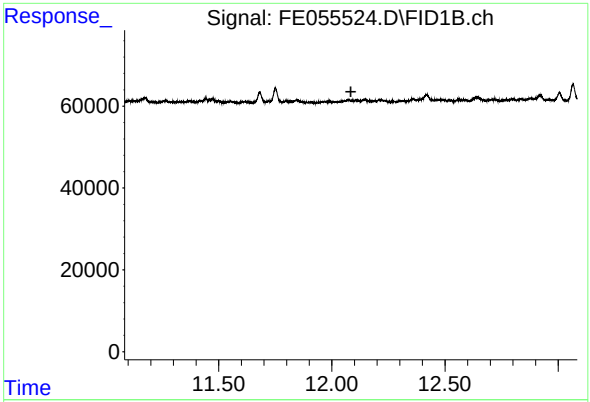
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055524.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 00:33
Operator : YP\AJ
Sample : Q2934-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-SW03

Integration File: sample.E
Quant Time: Aug 27 02:39:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

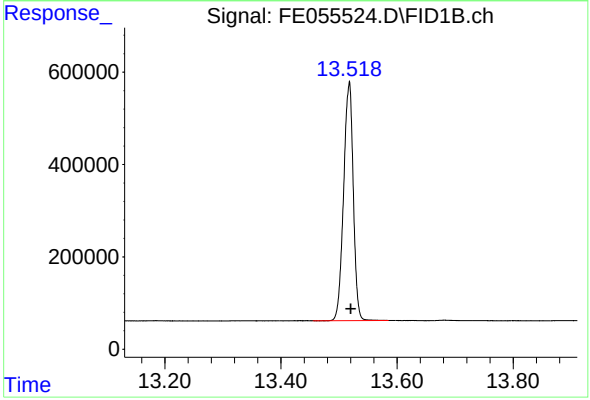




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.084 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
ENV-SW03



#12 1-chlorooctadecane (SURR)

R.T.: 13.517 min
Delta R.T.: -0.003 min
Response: 5962333
Conc: 55.45 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055524.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 00:33
Sample : Q2934-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.831	2.805	2.868	PV	1404	21425	0.36%	0.120%
2	2.886	2.868	2.928	PV	333	4191	0.07%	0.023%
3	2.952	2.928	2.991	VV	1715	19077	0.32%	0.107%
4	3.011	2.991	3.032	PV	106	1458	0.02%	0.008%
5	3.053	3.032	3.066	PV	143	1966	0.03%	0.011%
6	3.075	3.066	3.090	PV	107	994	0.02%	0.006%
7	3.110	3.090	3.134	VV	827	9010	0.15%	0.050%
8	3.158	3.134	3.166	VV	215	2769	0.05%	0.016%
9	3.416	3.166	3.444	VV	676	44042	0.73%	0.247%
10	3.455	3.444	3.466	VV	343	3708	0.06%	0.021%
11	3.478	3.466	3.520	VV	361	9653	0.16%	0.054%
12	3.536	3.520	3.595	VV	367	13072	0.22%	0.073%
13	3.604	3.595	3.641	VV	342	6928	0.11%	0.039%
14	3.685	3.641	3.721	VV	338	13165	0.22%	0.074%
15	3.750	3.721	3.791	VV	412	14038	0.23%	0.079%
16	3.806	3.791	3.842	VV	532	11108	0.18%	0.062%
17	3.867	3.842	3.886	VV	512	9602	0.16%	0.054%
18	3.895	3.886	3.925	VV	319	6900	0.11%	0.039%
19	3.952	3.925	3.985	VV	297	10113	0.17%	0.057%
20	4.010	3.985	4.061	VV	410	13150	0.22%	0.074%
21	4.086	4.061	4.098	VV	308	5574	0.09%	0.031%
22	4.103	4.098	4.169	VV	361	12254	0.20%	0.069%
23	4.213	4.169	4.228	VV	684	13756	0.23%	0.077%
24	4.246	4.228	4.294	VV	1212	20590	0.34%	0.115%
25	4.325	4.294	4.348	VV	499	10395	0.17%	0.058%
26	4.418	4.348	4.488	VV	994	34514	0.57%	0.193%
27	4.493	4.488	4.518	VV	326	4953	0.08%	0.028%
28	4.590	4.518	4.641	VV	398	22753	0.38%	0.127%
29	4.646	4.641	4.652	VV	380	2098	0.03%	0.012%
30	4.674	4.652	4.698	VV	1341	19054	0.32%	0.107%
31	4.715	4.698	4.745	VV	426	8939	0.15%	0.050%
32	4.759	4.745	4.775	VV	330	5338	0.09%	0.030%
33	4.800	4.775	4.831	VV	535	11545	0.19%	0.065%
34	4.863	4.831	4.888	VV	1426	20861	0.35%	0.117%
35	4.925	4.888	4.945	VV	1270	18753	0.31%	0.105%
36	4.959	4.945	5.007	VV	1883	26633	0.44%	0.149%

rteres

37	5.022	5.007	5.051	VV	358	8108	0.13%	0.045%
38	5.089	5.051	5.114	VV	434	12963	0.21%	0.073%
39	5.141	5.114	5.157	VV	283	6886	0.11%	0.039%
40	5.169	5.157	5.245	VV	366	12211	0.20%	0.068%
41	5.254	5.245	5.264	VV	249	2419	0.04%	0.014%
42	5.291	5.264	5.315	VV	390	8630	0.14%	0.048%
43	5.378	5.315	5.414	VV	4021	61015	1.01%	0.342%
44	5.439	5.414	5.480	VV	922	14923	0.25%	0.084%
45	5.493	5.480	5.544	VV	279	5577	0.09%	0.031%
46	5.587	5.544	5.608	VV	339	7967	0.13%	0.045%
47	5.623	5.608	5.676	VV	290	8185	0.14%	0.046%
48	5.690	5.676	5.747	VV	297	7235	0.12%	0.041%
49	5.780	5.747	5.798	VV	292	5886	0.10%	0.033%
50	5.815	5.798	5.840	VV	794	10967	0.18%	0.061%
51	5.859	5.840	5.895	VV	1503	18265	0.30%	0.102%
52	5.920	5.895	5.942	VV	480	6670	0.11%	0.037%
53	6.007	5.942	6.045	VV	331	12473	0.21%	0.070%
54	6.057	6.045	6.094	VV	158	3343	0.06%	0.019%
55	6.127	6.094	6.150	VV	265	5092	0.08%	0.029%
56	6.182	6.150	6.196	VV	195	3461	0.06%	0.019%
57	6.209	6.196	6.237	VV	181	3042	0.05%	0.017%
58	6.250	6.237	6.285	VV	177	3418	0.06%	0.019%
59	6.295	6.285	6.319	VV	211	3215	0.05%	0.018%
60	6.401	6.319	6.427	VV	395	12584	0.21%	0.070%
61	6.448	6.427	6.470	VV	337	6282	0.10%	0.035%
62	6.493	6.470	6.525	VV	754	12980	0.22%	0.073%
63	6.557	6.525	6.587	VV	409	9810	0.16%	0.055%
64	6.632	6.587	6.675	VV	489	14965	0.25%	0.084%
65	6.729	6.675	6.758	PV	234	7432	0.12%	0.042%
66	6.849	6.758	6.878	VV	3341	45102	0.75%	0.253%
67	6.893	6.878	6.915	VV	311	4878	0.08%	0.027%
68	6.935	6.915	6.958	VV	700	9655	0.16%	0.054%
69	6.973	6.958	6.988	VV	442	5111	0.08%	0.029%
70	7.004	6.988	7.024	VV	1179	13116	0.22%	0.073%
71	7.039	7.024	7.061	VV	384	5185	0.09%	0.029%
72	7.078	7.061	7.108	VV	625	7646	0.13%	0.043%
73	7.120	7.108	7.156	VV	163	3712	0.06%	0.021%
74	7.165	7.156	7.194	VV	203	3085	0.05%	0.017%
75	7.256	7.194	7.287	VV	172	7157	0.12%	0.040%
76	7.307	7.287	7.337	VV	733	10421	0.17%	0.058%
77	7.360	7.337	7.397	VV	989	20609	0.34%	0.115%
78	7.411	7.397	7.458	VV	821	19534	0.32%	0.109%
79	7.490	7.458	7.517	VV	1215	19189	0.32%	0.107%
80	7.530	7.517	7.558	VV	279	3866	0.06%	0.022%
81	7.598	7.558	7.624	VV	308	8451	0.14%	0.047%
82	7.656	7.624	7.698	VV	2714	33938	0.56%	0.190%
83	7.717	7.698	7.751	VV	472	10993	0.18%	0.062%
84	7.767	7.751	7.779	VV	645	7635	0.13%	0.043%
85	7.799	7.779	7.818	VV	1667	20436	0.34%	0.114%
86	7.834	7.818	7.848	VV	308	4961	0.08%	0.028%
87	7.865	7.848	7.878	VV	471	6583	0.11%	0.037%
88	7.893	7.878	7.955	VV	729	10899	0.18%	0.061%
89	7.965	7.955	7.998	VV	159	2942	0.05%	0.016%

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90	8.011	7.998	8.042	VV	175	2665	0.04%	0.015%
91	8.067	8.042	8.101	VV	1217	14273	0.24%	0.080%
92	8.129	8.101	8.138	VV	206	2873	0.05%	0.016%
93	8.155	8.138	8.185	VV	304	5336	0.09%	0.030%
94	8.219	8.185	8.228	VV	342	5679	0.09%	0.032%
95	8.237	8.228	8.250	VV	295	3997	0.07%	0.022%
96	8.262	8.250	8.277	VV	315	4314	0.07%	0.024%
97	8.293	8.277	8.317	VV	282	4900	0.08%	0.027%
98	8.330	8.317	8.352	VV	260	4213	0.07%	0.024%
99	8.377	8.352	8.401	VV	897	12617	0.21%	0.071%
100	8.435	8.401	8.451	VV	566	9144	0.15%	0.051%
101	8.473	8.451	8.495	VV	365	6306	0.10%	0.035%
102	8.591	8.495	8.655	VV	1045	32943	0.55%	0.184%
103	8.686	8.655	8.765	VV	5635	85689	1.42%	0.480%
104	8.798	8.765	8.821	VV	659	17163	0.28%	0.096%
105	8.838	8.821	8.863	VV	550	9025	0.15%	0.051%
106	8.883	8.863	8.905	VV	432	6751	0.11%	0.038%
107	8.924	8.905	8.980	VV	609	10002	0.17%	0.056%
108	9.008	8.980	9.095	PV	5526	94031	1.56%	0.526%
109	9.113	9.095	9.125	VV	646	10221	0.17%	0.057%
110	9.155	9.125	9.165	VV	935	19063	0.32%	0.107%
111	9.180	9.165	9.214	VV	1014	23937	0.40%	0.134%
112	9.232	9.214	9.276	VV	1060	27779	0.46%	0.156%
113	9.295	9.276	9.328	VV	617	11341	0.19%	0.063%
114	9.348	9.328	9.370	VV	584	8987	0.15%	0.050%
115	9.420	9.370	9.440	VV	2319	44921	0.74%	0.252%
116	9.453	9.440	9.490	VV	1468	29939	0.50%	0.168%
117	9.534	9.490	9.588	VV	2483	62467	1.04%	0.350%
118	9.606	9.588	9.628	VV	831	11624	0.19%	0.065%
119	9.656	9.628	9.691	VV	541	10570	0.18%	0.059%
120	9.708	9.691	9.722	VV	391	5651	0.09%	0.032%
121	9.741	9.722	9.783	VV	457	10699	0.18%	0.060%
122	9.821	9.783	9.842	VV	750	17567	0.29%	0.098%
123	9.886	9.842	9.925	VV	1351	27273	0.45%	0.153%
124	9.940	9.925	9.952	VV	433	6137	0.10%	0.034%
125	9.961	9.952	10.005	VV	474	9811	0.16%	0.055%
126	10.028	10.005	10.058	VV	781	13685	0.23%	0.077%
127	10.080	10.058	10.154	VV	1105	21529	0.36%	0.121%
128	10.167	10.154	10.191	VV	317	5122	0.08%	0.029%
129	10.222	10.191	10.268	VV	991	21058	0.35%	0.118%
130	10.302	10.268	10.344	VV	2789	40147	0.67%	0.225%
131	10.374	10.344	10.421	VV	475	16677	0.28%	0.093%
132	10.452	10.421	10.465	VV	426	8506	0.14%	0.048%
133	10.471	10.465	10.498	VV	418	4911	0.08%	0.027%
134	10.519	10.498	10.533	VV	126	1876	0.03%	0.011%
135	10.581	10.533	10.598	PV	466	8811	0.15%	0.049%
136	10.624	10.598	10.662	VV	527	14966	0.25%	0.084%
137	10.698	10.662	10.717	VV	910	18733	0.31%	0.105%
138	10.741	10.717	10.755	VV	848	14801	0.25%	0.083%
139	10.785	10.755	10.846	VV	748	25769	0.43%	0.144%
140	10.867	10.846	10.878	VV	449	6985	0.12%	0.039%
141	10.939	10.878	10.958	VV	909	32158	0.53%	0.180%

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142	10.974	10.958	11.006	VV	1229	27506	0.46%	0.154%
143	11.044	11.006	11.080	VV	6254	93069	1.54%	0.521%
144	11.101	11.080	11.118	VV	737	13260	0.22%	0.074%
145	11.125	11.118	11.137	VV	670	7546	0.13%	0.042%
146	11.175	11.137	11.230	VV	1414	40441	0.67%	0.226%
147	11.266	11.230	11.293	VV	720	18166	0.30%	0.102%
148	11.304	11.293	11.312	VV	438	3991	0.07%	0.022%
149	11.327	11.312	11.348	VV	463	8397	0.14%	0.047%
150	11.371	11.348	11.400	VV	625	15079	0.25%	0.084%
151	11.444	11.400	11.461	VV	1143	25790	0.43%	0.144%
152	11.473	11.461	11.492	VV	979	14307	0.24%	0.080%
153	11.500	11.492	11.526	VV	591	7791	0.13%	0.044%
154	11.552	11.526	11.583	VV	487	10612	0.18%	0.059%
155	11.616	11.583	11.648	VV	450	8661	0.14%	0.048%
156	11.681	11.648	11.715	VV	2702	37953	0.63%	0.213%
157	11.751	11.715	11.784	VV	3639	52309	0.87%	0.293%
158	11.798	11.784	11.826	VV	449	9048	0.15%	0.051%
159	11.845	11.826	11.883	VV	737	13394	0.22%	0.075%
160	11.905	11.883	11.927	VV	170	2680	0.04%	0.015%
161	11.987	11.927	12.021	PV	358	10242	0.17%	0.057%
162	12.075	12.021	12.090	VV	709	16222	0.27%	0.091%
163	12.107	12.090	12.125	VV	564	10442	0.17%	0.058%
164	12.146	12.125	12.193	VV	754	19287	0.32%	0.108%
165	12.215	12.193	12.261	VV	633	15972	0.26%	0.089%
166	12.269	12.261	12.287	VV	265	3164	0.05%	0.018%
167	12.359	12.287	12.372	VV	790	20496	0.34%	0.115%
168	12.419	12.372	12.451	VV	1749	43627	0.72%	0.244%
169	12.469	12.451	12.509	VV	597	17445	0.29%	0.098%
170	12.519	12.509	12.538	VV	488	6237	0.10%	0.035%
171	12.559	12.538	12.571	VV	571	8365	0.14%	0.047%
172	12.580	12.571	12.611	VV	518	9257	0.15%	0.052%
173	12.644	12.611	12.678	VV	1183	28410	0.47%	0.159%
174	12.717	12.678	12.745	VV	603	16293	0.27%	0.091%
175	12.796	12.745	12.815	VV	640	17326	0.29%	0.097%
176	12.835	12.815	12.855	VV	573	11856	0.20%	0.066%
177	12.878	12.855	12.891	VV	844	13965	0.23%	0.078%
178	12.919	12.891	12.945	VV	1564	29715	0.49%	0.166%
179	12.964	12.945	12.978	VV	412	7333	0.12%	0.041%
180	13.006	12.978	13.033	VV	2080	30456	0.50%	0.171%
181	13.065	13.033	13.113	VV	4156	59929	0.99%	0.336%
182	13.131	13.113	13.155	VV	340	6681	0.11%	0.037%
183	13.185	13.155	13.251	VV	602	13979	0.23%	0.078%
184	13.265	13.251	13.302	VV	138	2554	0.04%	0.014%
185	13.342	13.302	13.358	VV	371	8616	0.14%	0.048%
186	13.397	13.358	13.411	VV	329	8174	0.14%	0.046%
187	13.433	13.411	13.464	VV	517	13603	0.23%	0.076%
188	13.517	13.464	13.609	VV	519029	6032810	100.00%	33.779%
189	13.625	13.609	13.651	VV	938	18181	0.30%	0.102%
190	13.681	13.651	13.715	VV	1526	34423	0.57%	0.193%
191	13.734	13.715	13.777	VV	613	18398	0.30%	0.103%
192	13.800	13.777	13.859	VV	465	14127	0.23%	0.079%
193	13.891	13.859	13.922	VV	538	16156	0.27%	0.090%
194	13.953	13.922	14.006	VV	638	21100	0.35%	0.118%

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195	14.062	14.006	14.100	VV	430	15920	0.26%	0.089%
196	14.124	14.100	14.165	VV	543	14008	0.23%	0.078%
197	14.217	14.165	14.242	VV	2118	35831	0.59%	0.201%
198	14.269	14.242	14.319	VV	3165	48446	0.80%	0.271%
199	14.330	14.319	14.371	VV	202	4336	0.07%	0.024%
200	14.380	14.371	14.454	VV	200	4555	0.08%	0.026%
201	14.503	14.454	14.521	PV	244	6942	0.12%	0.039%
202	14.538	14.521	14.578	VV	278	6285	0.10%	0.035%
203	14.604	14.578	14.621	VV	259	4620	0.08%	0.026%
204	14.657	14.621	14.678	VV	296	8125	0.13%	0.045%
205	14.707	14.678	14.742	VV	1813	29928	0.50%	0.168%
206	14.782	14.742	14.810	VV	816	20409	0.34%	0.114%
207	14.834	14.810	14.861	VV	975	15553	0.26%	0.087%
208	14.868	14.861	14.939	VV	350	12073	0.20%	0.068%
209	14.966	14.939	15.015	VV	734	18145	0.30%	0.102%
210	15.031	15.015	15.057	VV	305	5213	0.09%	0.029%
211	15.091	15.057	15.117	VV	387	9039	0.15%	0.051%
212	15.146	15.117	15.168	VV	609	12698	0.21%	0.071%
213	15.181	15.168	15.255	VV	422	12314	0.20%	0.069%
214	15.269	15.255	15.276	VV	196	1981	0.03%	0.011%
215	15.330	15.276	15.347	VV	1963	33099	0.55%	0.185%
216	15.372	15.347	15.408	VV	3670	63616	1.05%	0.356%
217	15.423	15.408	15.467	VV	398	9041	0.15%	0.051%
218	15.475	15.467	15.520	VV	185	3136	0.05%	0.018%
219	15.573	15.520	15.601	VV	247	5564	0.09%	0.031%
220	15.621	15.601	15.633	VV	239	2516	0.04%	0.014%
221	15.648	15.633	15.659	VV	194	1803	0.03%	0.010%
222	15.696	15.659	15.704	PV	164	2704	0.04%	0.015%
223	15.713	15.704	15.721	VV	124	1093	0.02%	0.006%
224	15.733	15.721	15.741	VV	177	1658	0.03%	0.009%
225	15.779	15.741	15.795	VV	353	8321	0.14%	0.047%
226	15.803	15.795	15.830	VV	317	5237	0.09%	0.029%
227	15.857	15.830	15.876	VV	667	12103	0.20%	0.068%
228	15.898	15.876	15.935	VV	1086	19825	0.33%	0.111%
229	15.956	15.935	15.965	VV	372	5418	0.09%	0.030%
230	15.979	15.965	15.999	VV	460	6996	0.12%	0.039%
231	16.012	15.999	16.021	VV	251	2727	0.05%	0.015%
232	16.035	16.021	16.075	VV	332	7972	0.13%	0.045%
233	16.094	16.075	16.115	VV	250	5487	0.09%	0.031%
234	16.121	16.115	16.138	VV	211	2361	0.04%	0.013%
235	16.167	16.138	16.197	VV	240	6281	0.10%	0.035%
236	16.217	16.197	16.236	VV	326	6653	0.11%	0.037%
237	16.265	16.236	16.315	VV	348	10873	0.18%	0.061%
238	16.359	16.315	16.377	VV	1314	21218	0.35%	0.119%
239	16.399	16.377	16.488	VV	2592	50129	0.83%	0.281%
240	16.530	16.488	16.552	VV	282	6504	0.11%	0.036%
241	16.578	16.552	16.641	VV	225	8857	0.15%	0.050%
242	16.686	16.641	16.698	PV	160	2437	0.04%	0.014%
243	16.708	16.698	16.725	VV	184	1959	0.03%	0.011%
244	16.735	16.725	16.742	PV	165	1006	0.02%	0.006%
245	16.784	16.742	16.795	VV	224	4294	0.07%	0.024%
246	16.884	16.795	16.941	VV	2148	46698	0.77%	0.261%

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247	16.965	16.941	16.982	VV	250	4161	0.07%	0.023%
248	17.014	16.982	17.024	VV	136	2286	0.04%	0.013%
249	17.066	17.024	17.079	PV	246	5070	0.08%	0.028%
250	17.088	17.079	17.101	VV	144	1542	0.03%	0.009%
251	17.135	17.101	17.154	VV	155	2598	0.04%	0.015%
252	17.179	17.154	17.200	PV	165	2775	0.05%	0.016%
253	17.234	17.200	17.268	VV	352	7077	0.12%	0.040%
254	17.279	17.268	17.287	VV	214	2066	0.03%	0.012%
255	17.352	17.287	17.414	VV	4635	86109	1.43%	0.482%
256	17.431	17.414	17.451	VV	270	4219	0.07%	0.024%
257	17.502	17.451	17.511	VV	442	12022	0.20%	0.067%
258	17.518	17.511	17.591	VV	388	11737	0.19%	0.066%
259	17.642	17.591	17.659	VV	363	10307	0.17%	0.058%
260	17.804	17.659	17.871	VV	6647	132793	2.20%	0.744%
261	17.891	17.871	17.928	VV	578	11507	0.19%	0.064%
262	18.025	17.928	18.066	VV	273	9603	0.16%	0.054%
263	18.086	18.066	18.121	VV	263	3168	0.05%	0.018%
264	18.241	18.121	18.305	PV	10420	170750	2.83%	0.956%
265	18.334	18.305	18.354	VV	326	7023	0.12%	0.039%
266	18.435	18.354	18.455	VV	231	10508	0.17%	0.059%
267	18.464	18.455	18.472	VV	90	704	0.01%	0.004%
268	18.508	18.472	18.540	PV	306	5042	0.08%	0.028%
269	18.665	18.540	18.711	VV	11419	177604	2.94%	0.994%
270	18.756	18.711	18.798	VV	321	9911	0.16%	0.055%
271	18.929	18.798	18.947	PV	602	9548	0.16%	0.053%
272	18.976	18.947	18.998	VV	245	5388	0.09%	0.030%
273	19.075	18.998	19.139	PV	14189	222545	3.69%	1.246%
274	19.176	19.139	19.203	VV	350	7076	0.12%	0.040%
275	19.220	19.203	19.231	VV	77	1085	0.02%	0.006%
276	19.330	19.231	19.351	PV	667	11827	0.20%	0.066%
277	19.376	19.351	19.395	VV	358	6044	0.10%	0.034%
278	19.473	19.395	19.511	PV	12323	188279	3.12%	1.054%
279	19.582	19.511	19.598	VV	593	21672	0.36%	0.121%
280	19.630	19.598	19.655	VV	712	18056	0.30%	0.101%
281	19.720	19.655	19.744	VV	1250	36626	0.61%	0.205%
282	19.770	19.744	19.800	VV	999	23413	0.39%	0.131%
283	19.860	19.800	19.891	VV	13437	227449	3.77%	1.274%
284	20.102	19.891	20.121	VV	2727	250475	4.15%	1.402%
285	20.147	20.121	20.178	VV	2929	86920	1.44%	0.487%
286	20.237	20.178	20.271	VV	11488	272062	4.51%	1.523%
287	20.472	20.271	20.489	VV	4535	466390	7.73%	2.611%
288	20.515	20.489	20.534	VV	4808	122026	2.02%	0.683%
289	20.602	20.534	20.648	VV	13571	463050	7.68%	2.593%
290	20.836	20.648	20.854	VV	7269	782515	12.97%	4.381%
291	20.879	20.854	20.907	VV	7221	222342	3.69%	1.245%
292	20.971	20.907	21.021	VV	11967	550699	9.13%	3.083%
293	21.103	21.021	21.128	VV	8220	497993	8.25%	2.788%
294	21.163	21.128	21.195	VV	7879	308375	5.11%	1.727%
295	21.220	21.195	21.253	VV	7388	257583	4.27%	1.442%
296	21.282	21.253	21.322	VV	7260	291936	4.84%	1.635%
297	21.381	21.322	21.478	VV	10863	679533	11.26%	3.805%
298	21.494	21.478	21.526	VV	5563	157655	2.61%	0.883%
299	21.607	21.526	21.622	VV	5148	293480	4.86%	1.643%

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300	21.665	21.622	21.691	VV	4878	201408	3.34%	1.128%
301	21.703	21.691	21.708	VV	4603	45758	0.76%	0.256%
302	21.726	21.708	21.798	VV	4583	223467	3.70%	1.251%
303	21.841	21.798	21.939	VV	5232	309318	5.13%	1.732%
304	21.948	21.939	21.956	VV	2591	27342	0.45%	0.153%
305	22.018	21.956	22.071	VV	2380	158607	2.63%	0.888%
306	22.158	22.118	22.215	VV	1335	68537	1.14%	0.384%
307	22.238	22.215	22.308	VV	663	22856	0.38%	0.128%

Sum of corrected areas: 17859893

Aliphatic EPH 080125.M Wed Aug 27 03:48:25 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082725AR\
Data File : FD049685.D
Signal(s) : FID2B.ch
Acq On : 27 Aug 2025 09:29
Operator : YP/AJ
Sample : Q2934-04
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-SW04

Integration File: autoint1.e
Quant Time: Aug 28 01:49:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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...	7.716	6961568	67.926 ug/ml
Spiked Amount 50.000		Recovery = 135.85%	
6) S 2-Flurobiphenyl (SURR)	8.582	5005893	68.531 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 137.06%#	
11) S ortho-Terphenyl (SURR)	11.629	8810222	67.878 ug/ml
Spiked Amount 50.000		Recovery = 135.76%	
Target Compounds			

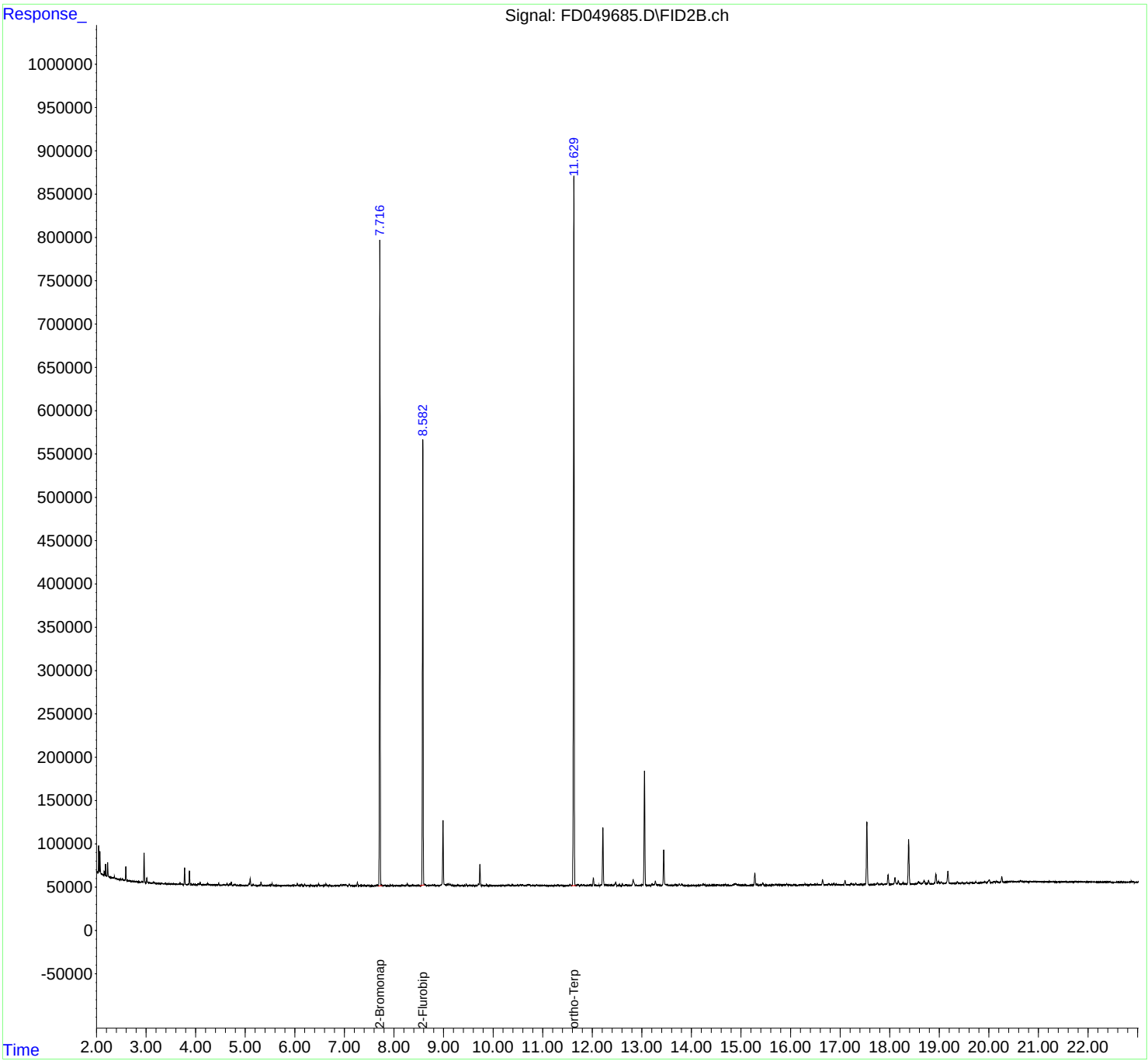
(f)=RT Delta > 1/2 Window (m)=manual int.

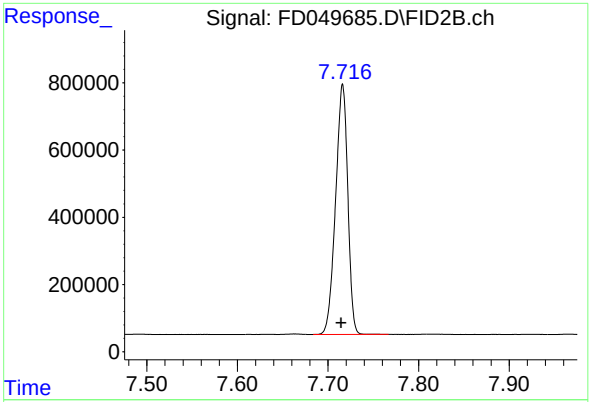
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082725AR\
Data File : FD049685.D
Signal(s) : FID2B.ch
Acq On : 27 Aug 2025 09:29
Operator : YP/AJ
Sample : Q2934-04
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-SW04

Integration File: autoint1.e
Quant Time: Aug 28 01:49:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

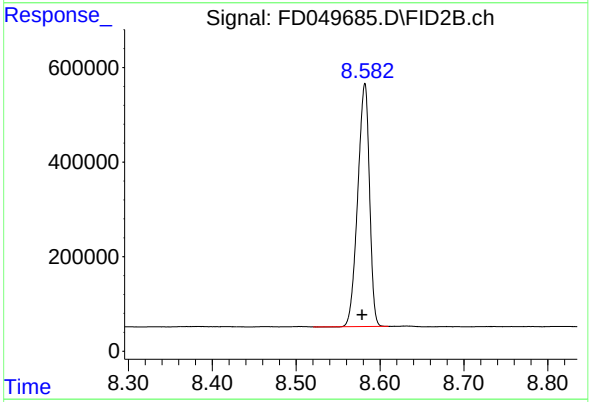




#4 2-Bromonaphthalene (SURR)

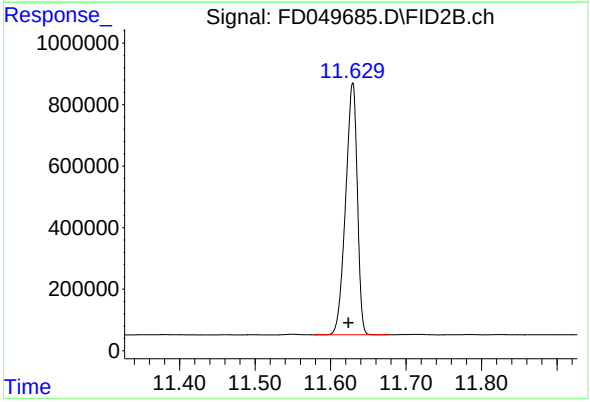
R.T.: 7.716 min
Delta R.T.: 0.002 min
Response: 6961568
Conc: 67.93 ug/ml

Instrument :
FID_D
ClientSampleId :
ENV-SW04



#6 2-Flurobiphenyl (SURR)

R.T.: 8.582 min
Delta R.T.: 0.003 min
Response: 5005893
Conc: 68.53 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.629 min
Delta R.T.: 0.006 min
Response: 8810222
Conc: 67.88 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082725AR\
Data File : FD049685.D
Signal(s) : FID2B.ch
Acq On : 27 Aug 2025 09:29
Sample : Q2934-04
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.260	4.252	4.273	PH	809	6101	0.07%	0.019%
2	4.326	4.317	4.347	PV	251	2150	0.02%	0.007%
3	4.362	4.347	4.380	VV	275	3640	0.04%	0.011%
4	4.386	4.380	4.392	VV	190	1027	0.01%	0.003%
5	4.397	4.392	4.403	VV	153	1004	0.01%	0.003%
6	4.419	4.403	4.447	VV	729	9201	0.10%	0.029%
7	4.465	4.447	4.483	VV	2600	23514	0.27%	0.073%
8	4.506	4.497	4.521	VV	330	2574	0.03%	0.008%
9	4.560	4.521	4.574	VV	1088	14324	0.16%	0.045%
10	4.579	4.574	4.597	VV	642	5262	0.06%	0.016%
11	4.608	4.597	4.619	VV	785	6322	0.07%	0.020%
12	4.633	4.619	4.660	VV	2712	26872	0.30%	0.084%
13	4.688	4.660	4.704	VV	2240	22436	0.25%	0.070%
14	4.719	4.704	4.753	VV	4131	38676	0.44%	0.120%
15	4.771	4.753	4.785	VV	1164	10918	0.12%	0.034%
16	4.796	4.785	4.820	VV	1395	15430	0.17%	0.048%
17	4.836	4.820	4.857	VV	593	7308	0.08%	0.023%
18	4.908	4.894	4.932	VV	721	8672	0.10%	0.027%
19	4.937	4.932	4.949	VV	239	1377	0.02%	0.004%
20	4.963	4.949	4.975	VV	373	3535	0.04%	0.011%
21	4.985	4.975	5.003	VV	304	2475	0.03%	0.008%
22	5.024	5.003	5.039	VV	539	6882	0.08%	0.021%
23	5.044	5.039	5.052	VV	268	1560	0.02%	0.005%
24	5.074	5.052	5.082	VV	1955	20716	0.23%	0.064%
25	5.099	5.082	5.131	VV	8187	91467	1.04%	0.285%
26	5.155	5.131	5.173	VV	1858	21953	0.25%	0.068%
27	5.186	5.173	5.202	VV	669	7934	0.09%	0.025%
28	5.206	5.202	5.247	VV	604	7889	0.09%	0.025%
29	5.257	5.247	5.267	VV	315	2596	0.03%	0.008%
30	5.291	5.267	5.303	VV	619	8761	0.10%	0.027%
31	5.318	5.303	5.367	VV	4638	51697	0.59%	0.161%

rteres

32	5.376	5.367	5.399	VV	472	5090	0.06%	0.016%
33	5.410	5.399	5.431	PV	413	4414	0.05%	0.014%
34	5.466	5.431	5.483	VV	762	13675	0.15%	0.043%
35	5.499	5.483	5.516	VV	1462	17426	0.20%	0.054%
36	5.542	5.516	5.567	VV	2985	36148	0.41%	0.113%
37	5.575	5.567	5.581	VV	540	3620	0.04%	0.011%
38	5.598	5.581	5.620	VV	854	12065	0.14%	0.038%
39	5.625	5.620	5.630	VV	486	1848	0.02%	0.006%
40	5.636	5.630	5.650	VV	517	3730	0.04%	0.012%
41	5.660	5.650	5.671	VV	400	4053	0.05%	0.013%
42	5.685	5.671	5.695	VV	608	6909	0.08%	0.022%
43	5.701	5.695	5.727	VV	590	5597	0.06%	0.017%
44	5.736	5.727	5.742	VV	392	2667	0.03%	0.008%
45	5.749	5.742	5.770	VV	423	4099	0.05%	0.013%
46	5.793	5.770	5.807	PV	803	10012	0.11%	0.031%
47	5.846	5.807	5.896	VV	945	28278	0.32%	0.088%
48	5.900	5.896	5.904	VV	560	1994	0.02%	0.006%
49	5.910	5.904	5.917	VV	521	3359	0.04%	0.010%
50	5.924	5.917	5.928	VV	501	2710	0.03%	0.008%
51	5.953	5.928	5.974	VV	1070	18190	0.21%	0.057%
52	5.986	5.974	6.025	VV	1067	18964	0.21%	0.059%
53	6.051	6.025	6.080	VV	2442	34498	0.39%	0.107%
54	6.098	6.080	6.119	VV	1043	15014	0.17%	0.047%
55	6.139	6.119	6.175	VV	2272	32706	0.37%	0.102%
56	6.200	6.175	6.232	VV	1744	29726	0.34%	0.093%
57	6.259	6.232	6.267	VV	774	11866	0.13%	0.037%
58	6.275	6.267	6.302	VV	871	11525	0.13%	0.036%
59	6.328	6.302	6.355	VV	1048	17911	0.20%	0.056%
60	6.366	6.355	6.386	VV	442	5508	0.06%	0.017%
61	6.419	6.386	6.436	VV	904	14271	0.16%	0.044%
62	6.446	6.436	6.453	VV	345	3031	0.03%	0.009%
63	6.479	6.453	6.511	VV	2670	34672	0.39%	0.108%
64	6.520	6.511	6.534	VV	535	5509	0.06%	0.017%
65	6.539	6.534	6.549	VV	436	3365	0.04%	0.010%
66	6.565	6.549	6.584	VV	1192	16298	0.18%	0.051%
67	6.600	6.584	6.613	VV	1204	13418	0.15%	0.042%
68	6.628	6.613	6.653	VV	2406	28568	0.32%	0.089%
69	6.662	6.653	6.678	VV	776	8130	0.09%	0.025%
70	6.700	6.678	6.720	VV	1565	16341	0.19%	0.051%
71	6.730	6.720	6.739	VV	321	2880	0.03%	0.009%
72	6.745	6.739	6.780	VV	375	5558	0.06%	0.017%
73	6.786	6.780	6.789	PV	316	1178	0.01%	0.004%
74	6.801	6.789	6.827	VV	616	8823	0.10%	0.027%
75	6.853	6.827	6.863	VV	778	11779	0.13%	0.037%
76	6.869	6.863	6.900	VV	804	11258	0.13%	0.035%
77	6.933	6.900	6.952	VV	1380	30724	0.35%	0.096%
78	6.973	6.952	7.007	VV	1880	39595	0.45%	0.123%
79	7.022	7.007	7.030	VV	1523	16901	0.19%	0.053%

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80	7.035	7.030	7.065	VV	1526	17738	0.20%	0.055%
81	7.101	7.065	7.125	VV	2377	37343	0.42%	0.116%
82	7.133	7.125	7.142	VV	521	4205	0.05%	0.013%
83	7.150	7.142	7.170	VV	567	6560	0.07%	0.020%
84	7.181	7.170	7.193	VV	377	4056	0.05%	0.013%
85	7.208	7.193	7.230	VV	549	7211	0.08%	0.022%
86	7.263	7.230	7.300	VV	4243	52029	0.59%	0.162%
87	7.320	7.300	7.327	VV	887	9199	0.10%	0.029%
88	7.328	7.327	7.352	VV	750	7276	0.08%	0.023%
89	7.370	7.352	7.379	VV	797	7748	0.09%	0.024%
90	7.400	7.379	7.426	VV	1421	18189	0.21%	0.057%
91	7.436	7.426	7.445	VV	445	3841	0.04%	0.012%
92	7.465	7.445	7.479	VV	837	11068	0.13%	0.034%
93	7.492	7.479	7.528	VV	1058	15656	0.18%	0.049%
94	7.532	7.528	7.535	VV	305	1082	0.01%	0.003%
95	7.539	7.535	7.542	VV	311	1043	0.01%	0.003%
96	7.566	7.542	7.583	VV	435	6426	0.07%	0.020%
97	7.613	7.583	7.619	PV	406	3731	0.04%	0.012%
98	7.632	7.619	7.645	VV	564	6314	0.07%	0.020%
99	7.663	7.645	7.684	VV	1718	20318	0.23%	0.063%
100	7.716	7.684	7.787	VV	743639	6983107	79.07%	21.739%
101	7.813	7.787	7.857	VV	1064	24433	0.28%	0.076%
102	7.861	7.857	7.873	VV	306	2154	0.02%	0.007%
103	7.883	7.873	7.896	VV	418	4053	0.05%	0.013%
104	7.917	7.896	7.921	VV	528	5109	0.06%	0.016%
105	7.927	7.921	7.949	VV	691	5915	0.07%	0.018%
106	7.964	7.949	7.989	VV	1005	12446	0.14%	0.039%
107	8.019	8.005	8.030	VV	265	3032	0.03%	0.009%
108	8.052	8.030	8.081	VV	799	15914	0.18%	0.050%
109	8.087	8.081	8.096	VV	475	3413	0.04%	0.011%
110	8.101	8.096	8.116	VV	345	3354	0.04%	0.010%
111	8.137	8.116	8.150	VV	467	7584	0.09%	0.024%
112	8.172	8.150	8.207	VV	1019	21407	0.24%	0.067%
113	8.214	8.207	8.233	VV	548	6289	0.07%	0.020%
114	8.270	8.233	8.292	VV	2793	37653	0.43%	0.117%
115	8.299	8.292	8.318	VV	560	5481	0.06%	0.017%
116	8.329	8.318	8.350	VV	519	6824	0.08%	0.021%
117	8.383	8.350	8.409	VV	1018	27676	0.31%	0.086%
118	8.420	8.409	8.445	VV	807	11109	0.13%	0.035%
119	8.465	8.445	8.484	VV	899	12377	0.14%	0.039%
120	8.505	8.484	8.539	VV	947	15899	0.18%	0.049%
121	8.543	8.539	8.549	VV	237	1252	0.01%	0.004%
122	8.582	8.549	8.615	VV	515684	5048410	57.16%	15.716%
123	8.631	8.615	8.653	VV	2042	32613	0.37%	0.102%
124	8.658	8.653	8.665	VV	608	3871	0.04%	0.012%
125	8.680	8.665	8.706	VV	900	17160	0.19%	0.053%
126	8.735	8.706	8.747	VV	986	18387	0.21%	0.057%

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127	8.757	8.747	8.768	VV	984	10091	0.11%	0.031%
128	8.781	8.768	8.794	VV	1048	13117	0.15%	0.041%
129	8.825	8.794	8.849	VV	1178	27372	0.31%	0.085%
130	8.874	8.849	8.882	VV	736	10150	0.11%	0.032%
131	8.892	8.882	8.908	VV	764	9057	0.10%	0.028%
132	8.920	8.908	8.933	VV	797	9204	0.10%	0.029%
133	8.989	8.933	9.013	VV	75698	792000	8.97%	2.466%
134	9.020	9.013	9.056	VV	2155	40386	0.46%	0.126%
135	9.072	9.056	9.090	VV	2567	35259	0.40%	0.110%
136	9.109	9.090	9.128	VV	3017	43977	0.50%	0.137%
137	9.142	9.128	9.163	VV	2155	26874	0.30%	0.084%
138	9.176	9.163	9.197	VV	988	13511	0.15%	0.042%
139	9.202	9.197	9.207	VV	396	1731	0.02%	0.005%
140	9.212	9.207	9.216	VV	293	1523	0.02%	0.005%
141	9.229	9.216	9.243	VV	673	7520	0.09%	0.023%
142	9.278	9.243	9.293	VV	1040	17109	0.19%	0.053%
143	9.313	9.293	9.354	VV	924	19046	0.22%	0.059%
144	9.375	9.354	9.385	VV	590	7566	0.09%	0.024%
145	9.393	9.385	9.410	VV	664	7641	0.09%	0.024%
146	9.420	9.410	9.438	VV	611	8018	0.09%	0.025%
147	9.456	9.438	9.482	VV	1746	24574	0.28%	0.076%
148	9.516	9.482	9.520	VV	479	8209	0.09%	0.026%
149	9.550	9.520	9.574	VV	673	14799	0.17%	0.046%
150	9.594	9.574	9.625	VV	897	14036	0.16%	0.044%
151	9.644	9.625	9.648	VV	530	4559	0.05%	0.014%
152	9.654	9.648	9.661	VV	522	3663	0.04%	0.011%
153	9.665	9.661	9.674	VV	516	3720	0.04%	0.012%
154	9.704	9.674	9.714	VV	2339	30709	0.35%	0.096%
155	9.734	9.714	9.766	VV	25079	260496	2.95%	0.811%
156	9.803	9.766	9.824	VV	819	18526	0.21%	0.058%
157	9.833	9.824	9.844	VV	343	2554	0.03%	0.008%
158	9.865	9.844	9.901	VV	1578	22642	0.26%	0.070%
159	9.935	9.901	9.949	VV	800	11181	0.13%	0.035%
160	9.950	9.949	9.967	VV	651	4905	0.06%	0.015%
161	9.973	9.967	9.998	VV	411	6077	0.07%	0.019%
162	10.009	9.998	10.014	VV	418	3489	0.04%	0.011%
163	10.019	10.014	10.030	VV	480	3603	0.04%	0.011%
164	10.037	10.030	10.055	VV	549	5560	0.06%	0.017%
165	10.064	10.055	10.074	VV	459	3890	0.04%	0.012%
166	10.087	10.074	10.114	VV	335	5025	0.06%	0.016%
167	10.120	10.114	10.128	VV	347	2331	0.03%	0.007%
168	10.143	10.128	10.155	VV	474	5396	0.06%	0.017%
169	10.159	10.155	10.163	VV	274	1406	0.02%	0.004%
170	10.192	10.163	10.224	VV	842	21715	0.25%	0.068%
171	10.228	10.224	10.237	VV	416	3254	0.04%	0.010%
172	10.260	10.237	10.272	VV	820	11929	0.14%	0.037%
173	10.301	10.272	10.313	VV	1258	20845	0.24%	0.065%
174	10.317	10.313	10.343	VV	918	10383	0.12%	0.032%

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175	10.355	10.343	10.363	VV	381	3856	0.04%	0.012%
176	10.389	10.363	10.408	VV	1706	22803	0.26%	0.071%
177	10.416	10.408	10.437	VV	594	8741	0.10%	0.027%
178	10.452	10.437	10.459	VV	720	8335	0.09%	0.026%
179	10.462	10.459	10.475	VV	779	6959	0.08%	0.022%
180	10.485	10.475	10.518	VV	962	18124	0.21%	0.056%
181	10.549	10.518	10.571	VV	1152	25532	0.29%	0.079%
182	10.586	10.571	10.590	VV	1197	11253	0.13%	0.035%
183	10.594	10.590	10.642	VV	1124	22547	0.26%	0.070%
184	10.658	10.642	10.677	VV	968	13901	0.16%	0.043%
185	10.698	10.677	10.716	VV	1460	24747	0.28%	0.077%
186	10.736	10.716	10.769	VV	1688	29213	0.33%	0.091%
187	10.794	10.769	10.805	VV	814	13761	0.16%	0.043%
188	10.809	10.805	10.817	VV	637	4314	0.05%	0.013%
189	10.827	10.817	10.842	VV	655	7887	0.09%	0.025%
190	10.875	10.842	10.901	VV	1354	28640	0.32%	0.089%
191	10.926	10.901	10.961	VV	781	22582	0.26%	0.070%
192	10.972	10.961	10.990	VV	641	8863	0.10%	0.028%
193	10.994	10.990	11.008	VV	598	5355	0.06%	0.017%
194	11.026	11.008	11.049	VV	968	16062	0.18%	0.050%
195	11.058	11.049	11.072	VV	423	4114	0.05%	0.013%
196	11.099	11.072	11.120	VV	486	7218	0.08%	0.022%
197	11.123	11.120	11.142	VV	279	3242	0.04%	0.010%
198	11.144	11.142	11.151	VV	354	1176	0.01%	0.004%
199	11.160	11.151	11.197	VV	403	7115	0.08%	0.022%
200	11.201	11.197	11.214	VV	256	1970	0.02%	0.006%
201	11.236	11.214	11.256	VV	1011	13890	0.16%	0.043%
202	11.275	11.256	11.288	VV	937	9899	0.11%	0.031%
203	11.304	11.288	11.335	VV	1607	22026	0.25%	0.069%
204	11.351	11.335	11.366	VV	505	7696	0.09%	0.024%
205	11.379	11.366	11.435	VV	996	19948	0.23%	0.062%
206	11.440	11.435	11.451	VV	252	1981	0.02%	0.006%
207	11.458	11.451	11.479	VV	475	4939	0.06%	0.015%
208	11.500	11.479	11.518	VV	430	6562	0.07%	0.020%
209	11.548	11.518	11.581	PV	2078	30275	0.34%	0.094%
210	11.629	11.581	11.678	VV	823206	8831623	100.00%	27.493%
211	11.714	11.678	11.745	VV	1561	37900	0.43%	0.118%
212	11.787	11.745	11.807	VV	1292	23886	0.27%	0.074%
213	11.825	11.807	11.859	VV	1172	18986	0.21%	0.059%
214	11.861	11.859	11.866	VV	328	1621	0.02%	0.005%
215	11.869	11.866	11.874	VV	402	1765	0.02%	0.005%
216	11.898	11.874	11.911	VV	747	11745	0.13%	0.037%
217	11.922	11.911	11.930	VV	603	6278	0.07%	0.020%
218	11.946	11.930	11.951	VV	895	9621	0.11%	0.030%
219	11.966	11.951	11.986	VV	1252	16357	0.19%	0.051%
220	11.994	11.986	11.998	VV	506	3182	0.04%	0.010%
221	12.022	11.998	12.045	VV	9222	107430	1.22%	0.334%

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222	12.063	12.045	12.090	VV	1264	19559	0.22%	0.061%
223	12.109	12.090	12.154	VV	626	19727	0.22%	0.061%
224	12.214	12.154	12.278	VV	66972	813426	9.21%	2.532%
225	12.297	12.278	12.315	VV	856	16290	0.18%	0.051%
226	12.344	12.315	12.359	VV	1034	19845	0.22%	0.062%
227	12.375	12.359	12.392	VV	898	15534	0.18%	0.048%
228	12.397	12.392	12.414	VV	837	8715	0.10%	0.027%
229	12.439	12.414	12.445	VV	1065	13991	0.16%	0.044%
230	12.473	12.445	12.517	VV	4326	67213	0.76%	0.209%
231	12.549	12.517	12.570	VV	1272	18744	0.21%	0.058%
232	12.608	12.570	12.631	VV	2204	30240	0.34%	0.094%
233	12.650	12.631	12.655	VV	551	5585	0.06%	0.017%
234	12.684	12.655	12.719	VV	1078	27563	0.31%	0.086%
235	12.738	12.719	12.750	VV	842	11396	0.13%	0.035%
236	12.755	12.750	12.777	VV	539	4600	0.05%	0.014%
237	12.824	12.777	12.865	VV	7246	138966	1.57%	0.433%
238	12.881	12.865	12.906	VV	911	16185	0.18%	0.050%
239	12.910	12.906	12.917	VV	503	3039	0.03%	0.009%
240	12.920	12.917	12.927	VV	411	2691	0.03%	0.008%
241	12.936	12.927	12.950	VV	564	5795	0.07%	0.018%
242	12.966	12.950	12.980	VV	896	10411	0.12%	0.032%
243	13.007	12.980	13.024	VV	1497	25092	0.28%	0.078%
244	13.054	13.024	13.150	VV	132759	1561042	17.68%	4.860%
245	13.205	13.150	13.226	VV	2030	43656	0.49%	0.136%
246	13.237	13.226	13.250	VV	1284	15822	0.18%	0.049%
247	13.273	13.250	13.319	VV	5437	87995	1.00%	0.274%
248	13.339	13.319	13.397	VV	1114	30780	0.35%	0.096%
249	13.442	13.397	13.547	VV	41559	536275	6.07%	1.669%
250	13.561	13.547	13.579	VV	586	9525	0.11%	0.030%
251	13.613	13.579	13.641	VV	760	20752	0.23%	0.065%
252	13.672	13.641	13.727	VV	1266	31078	0.35%	0.097%
253	13.755	13.727	13.781	VV	2194	32814	0.37%	0.102%
254	13.805	13.781	13.850	VV	2032	33162	0.38%	0.103%
255	13.865	13.850	13.879	VV	339	3946	0.04%	0.012%
256	13.899	13.879	13.950	VV	486	10690	0.12%	0.033%
257	13.959	13.950	13.972	VV	144	1417	0.02%	0.004%
258	13.994	13.972	14.003	VV	247	2807	0.03%	0.009%
259	14.048	14.003	14.059	VV	473	9902	0.11%	0.031%
260	14.063	14.059	14.087	VV	378	3745	0.04%	0.012%
261	14.107	14.087	14.127	VV	375	4651	0.05%	0.014%
262	14.139	14.127	14.167	PV	427	3912	0.04%	0.012%
263	14.192	14.167	14.213	VV	970	14012	0.16%	0.044%
264	14.237	14.213	14.259	VV	2211	33038	0.37%	0.103%
265	14.274	14.259	14.314	VV	871	17357	0.20%	0.054%
266	14.364	14.314	14.387	VV	492	14102	0.16%	0.044%
267	14.431	14.387	14.454	VV	596	17473	0.20%	0.054%
268	14.466	14.454	14.492	VV	671	11771	0.13%	0.037%
269	14.528	14.492	14.578	VV	1048	30901	0.35%	0.096%

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270	14.620	14.578	14.653	VV	534	19594	0.22%	0.061%
271	14.680	14.653	14.732	VV	1094	31144	0.35%	0.097%
272	14.745	14.732	14.771	VV	597	10101	0.11%	0.031%
273	14.784	14.771	14.803	VV	410	4909	0.06%	0.015%
274	14.813	14.803	14.820	VV	288	2581	0.03%	0.008%
275	14.868	14.820	14.890	VV	1649	47526	0.54%	0.148%
276	14.904	14.890	14.929	VV	2049	29154	0.33%	0.091%
277	14.948	14.929	14.973	VV	1024	15156	0.17%	0.047%
278	14.997	14.973	15.014	VV	560	8310	0.09%	0.026%
279	15.023	15.014	15.058	VV	392	7667	0.09%	0.024%
280	15.078	15.058	15.124	VV	634	14145	0.16%	0.044%
281	15.130	15.124	15.137	VV	317	1628	0.02%	0.005%
282	15.154	15.137	15.173	VV	218	3285	0.04%	0.010%
283	15.218	15.173	15.242	VV	548	13452	0.15%	0.042%
284	15.279	15.242	15.309	VV	14344	192624	2.18%	0.600%
285	15.325	15.309	15.356	VV	1237	23403	0.26%	0.073%
286	15.371	15.356	15.402	VV	593	12462	0.14%	0.039%
287	15.440	15.402	15.482	VV	2869	54401	0.62%	0.169%
288	15.505	15.482	15.524	VV	441	8110	0.09%	0.025%
289	15.535	15.524	15.559	VV	305	5851	0.07%	0.018%
290	15.583	15.559	15.592	VV	465	5647	0.06%	0.018%
291	15.608	15.592	15.616	VV	443	4756	0.05%	0.015%
292	15.636	15.616	15.657	VV	870	12339	0.14%	0.038%
293	15.664	15.657	15.671	VV	447	3361	0.04%	0.010%
294	15.699	15.671	15.757	VV	1180	36430	0.41%	0.113%
295	15.794	15.757	15.844	VV	813	26082	0.30%	0.081%
296	15.854	15.844	15.865	VV	412	4764	0.05%	0.015%
297	15.883	15.865	15.902	VV	698	12020	0.14%	0.037%
298	15.923	15.902	15.954	VV	1822	29719	0.34%	0.093%
299	15.977	15.954	16.002	VV	559	12810	0.15%	0.040%
300	16.012	16.002	16.027	VV	381	4016	0.05%	0.013%
301	16.071	16.027	16.151	VV	750	22444	0.25%	0.070%
302	16.176	16.151	16.224	PV	552	13475	0.15%	0.042%
303	16.235	16.224	16.248	VV	387	4388	0.05%	0.014%
304	16.259	16.248	16.268	VV	430	3554	0.04%	0.011%
305	16.290	16.268	16.326	VV	1480	27844	0.32%	0.087%
306	16.338	16.326	16.360	VV	552	7148	0.08%	0.022%
307	16.403	16.360	16.442	VV	1184	31127	0.35%	0.097%
308	16.447	16.442	16.453	VV	308	2470	0.03%	0.008%
309	16.486	16.453	16.514	VV	1189	23325	0.26%	0.073%
310	16.537	16.514	16.569	VV	1370	24982	0.28%	0.078%
311	16.584	16.569	16.602	VV	657	10673	0.12%	0.033%
312	16.646	16.602	16.686	VV	6182	99514	1.13%	0.310%
313	16.721	16.686	16.733	VV	412	8305	0.09%	0.026%
314	16.770	16.733	16.815	VV	1482	35621	0.40%	0.111%
315	16.869	16.815	16.895	VV	2022	45355	0.51%	0.141%
316	16.919	16.895	16.959	VV	1165	20818	0.24%	0.065%

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317	16.975	16.959	17.026	VV	409	9007	0.10%	0.028%
318	17.051	17.026	17.065	VV	319	3114	0.04%	0.010%
319	17.099	17.065	17.168	VV	5362	79903	0.90%	0.249%
320	17.226	17.168	17.257	VV	1562	33201	0.38%	0.103%
321	17.264	17.257	17.290	VV	587	8854	0.10%	0.028%
322	17.316	17.290	17.358	VV	1834	31058	0.35%	0.097%
323	17.367	17.358	17.377	VV	309	2053	0.02%	0.006%
324	17.421	17.377	17.469	VV	844	24024	0.27%	0.075%
325	17.491	17.469	17.501	VV	716	9582	0.11%	0.030%
326	17.540	17.501	17.584	VV	72495	958907	10.86%	2.985%
327	17.615	17.584	17.650	VV	544	12028	0.14%	0.037%
328	17.680	17.650	17.695	VV	458	9948	0.11%	0.031%
329	17.701	17.695	17.709	VV	483	3439	0.04%	0.011%
330	17.753	17.709	17.781	VV	2542	42672	0.48%	0.133%
331	17.840	17.781	17.864	VV	1565	30839	0.35%	0.096%
332	17.902	17.864	17.919	VV	572	14180	0.16%	0.044%
333	17.967	17.919	18.010	VV	11454	166441	1.88%	0.518%
334	18.033	18.010	18.056	PV	845	11934	0.14%	0.037%
335	18.105	18.056	18.149	VV	8074	142608	1.61%	0.444%
336	18.173	18.149	18.232	VV	4029	73253	0.83%	0.228%
337	18.265	18.232	18.289	VV	1772	26529	0.30%	0.083%
338	18.308	18.289	18.335	VV	814	12045	0.14%	0.037%
339	18.382	18.335	18.435	VV	51660	702876	7.96%	2.188%
340	18.450	18.435	18.472	VV	322	4285	0.05%	0.013%

Sum of corrected areas: 32123183

Aromatic EPH 081125.M Thu Aug 28 02:08:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055525.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 01:03
Operator : YP\AJ
Sample : Q2934-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-SW04

Integration File: sample.E
Quant Time: Aug 27 02:39:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 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...	13.517	6454993	60.033 ug/ml
Spiked Amount 50.000		Recovery = 120.07%	
Target Compounds			

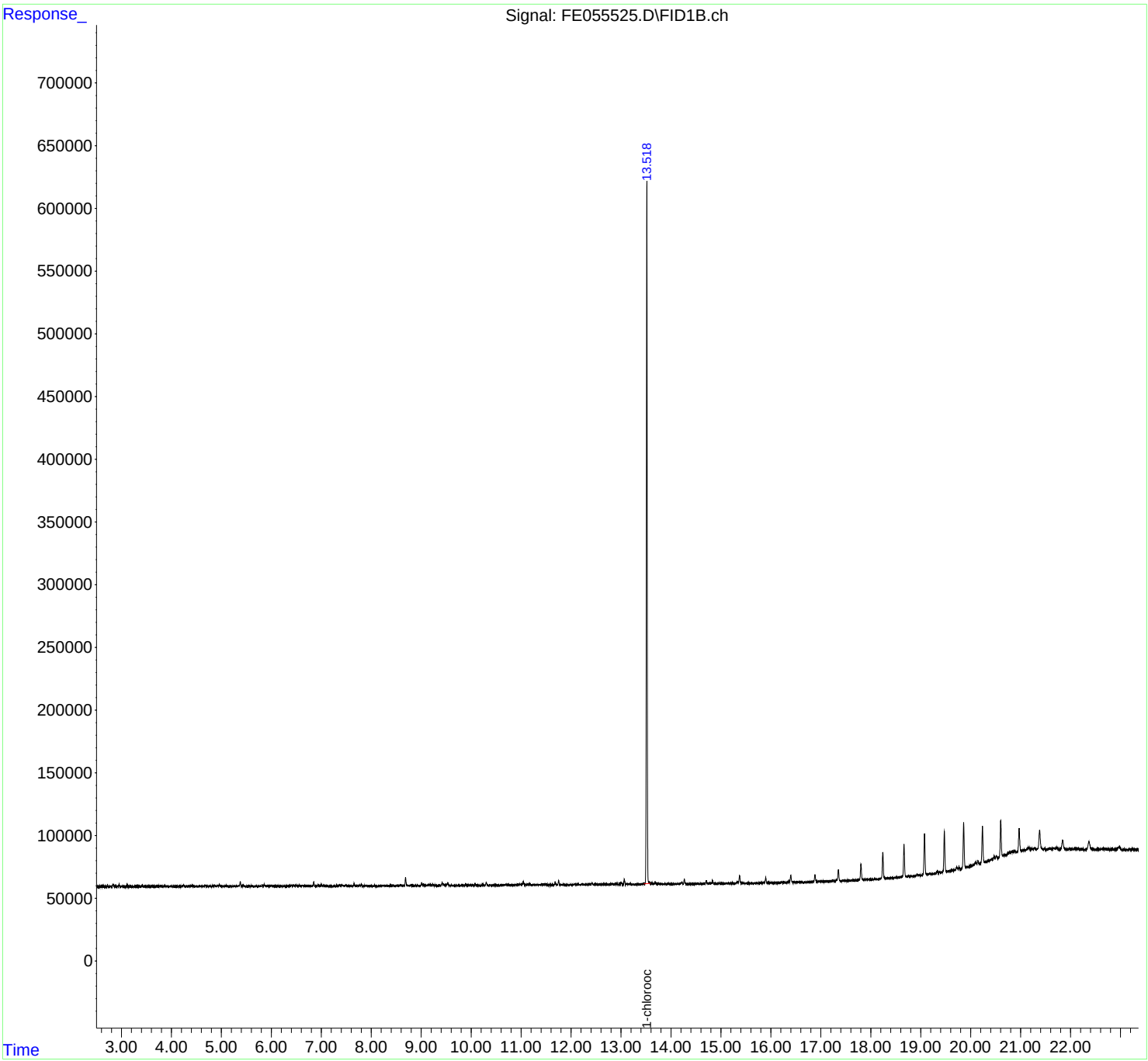
(f)=RT Delta > 1/2 Window (m)=manual int.

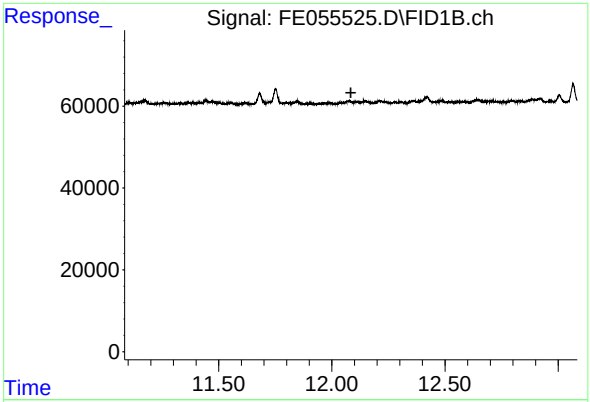
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055525.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 01:03
Operator : YP\AJ
Sample : Q2934-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-SW04

Integration File: sample.E
Quant Time: Aug 27 02:39:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

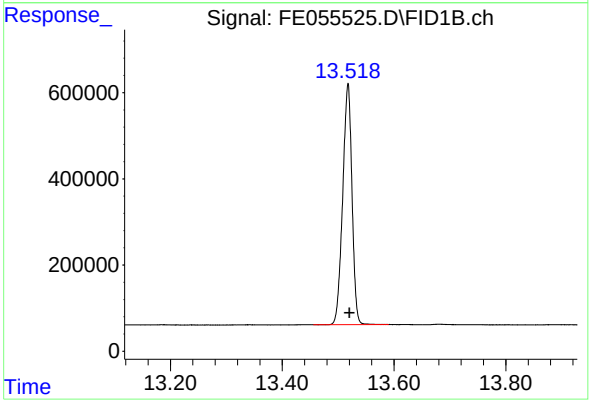




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.084 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
ENV-SW04



#12 1-chlorooctadecane (SURR)

R.T.: 13.517 min
Delta R.T.: -0.003 min
Response: 6454993
Conc: 60.03 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055525.D
Signal(s) : FID1B.ch
Acq On : 27 Aug 2025 01:03
Sample : Q2934-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.831	2.805	2.871	PV	1938	28745	0.44%	0.135%
2	2.886	2.871	2.921	PV	634	6354	0.10%	0.030%
3	2.953	2.921	2.989	PV	1747	18803	0.29%	0.088%
4	3.006	2.989	3.038	PV	71	853	0.01%	0.004%
5	3.046	3.038	3.090	VV	137	1999	0.03%	0.009%
6	3.110	3.090	3.133	PV	1214	12023	0.18%	0.057%
7	3.161	3.133	3.216	VV	220	6163	0.09%	0.029%
8	3.227	3.216	3.245	VV	162	2091	0.03%	0.010%
9	3.254	3.245	3.310	VV	173	4288	0.07%	0.020%
10	3.334	3.310	3.351	VV	178	2902	0.04%	0.014%
11	3.374	3.351	3.391	VV	164	3259	0.05%	0.015%
12	3.417	3.391	3.478	VV	607	13549	0.21%	0.064%
13	3.534	3.478	3.559	VV	309	9592	0.15%	0.045%
14	3.573	3.559	3.619	VV	253	7153	0.11%	0.034%
15	3.642	3.619	3.649	VV	307	4604	0.07%	0.022%
16	3.658	3.649	3.711	VV	310	8807	0.13%	0.041%
17	3.807	3.711	3.845	VV	579	23563	0.36%	0.111%
18	3.864	3.845	3.888	VV	362	7687	0.12%	0.036%
19	3.902	3.888	3.944	VV	284	7385	0.11%	0.035%
20	3.959	3.944	3.991	VV	262	5446	0.08%	0.026%
21	4.007	3.991	4.047	VV	479	9182	0.14%	0.043%
22	4.063	4.047	4.091	VV	229	5451	0.08%	0.026%
23	4.115	4.091	4.154	VV	351	9092	0.14%	0.043%
24	4.169	4.154	4.181	VV	198	2717	0.04%	0.013%
25	4.214	4.181	4.229	VV	686	10518	0.16%	0.049%
26	4.247	4.229	4.272	VV	1288	15298	0.23%	0.072%
27	4.282	4.272	4.298	VV	211	2801	0.04%	0.013%
28	4.323	4.298	4.370	VV	363	10207	0.16%	0.048%
29	4.418	4.370	4.498	VV	904	28308	0.43%	0.133%
30	4.588	4.498	4.614	VV	362	18697	0.29%	0.088%
31	4.626	4.614	4.650	VV	354	5454	0.08%	0.026%
32	4.674	4.650	4.737	VV	1379	24986	0.38%	0.117%
33	4.749	4.737	4.765	VV	301	4163	0.06%	0.020%
34	4.789	4.765	4.830	VV	500	12680	0.19%	0.060%
35	4.864	4.830	4.889	VV	1262	19307	0.30%	0.091%
36	4.899	4.889	4.911	VV	333	3711	0.06%	0.017%

rteres

37	4.926	4.911	4.941	VV	1095	12200	0.19%	0.057%
38	4.959	4.941	4.985	VV	1887	22193	0.34%	0.104%
39	4.991	4.985	5.008	VV	406	4017	0.06%	0.019%
40	5.021	5.008	5.078	VV	315	11977	0.18%	0.056%
41	5.093	5.078	5.121	VV	472	8764	0.13%	0.041%
42	5.136	5.121	5.161	VV	358	6347	0.10%	0.030%
43	5.175	5.161	5.223	VV	374	9089	0.14%	0.043%
44	5.232	5.223	5.245	VV	215	2311	0.04%	0.011%
45	5.293	5.245	5.331	VV	424	12360	0.19%	0.058%
46	5.378	5.331	5.415	VV	3790	57430	0.88%	0.270%
47	5.440	5.415	5.458	VV	921	12949	0.20%	0.061%
48	5.468	5.458	5.479	VV	319	3115	0.05%	0.015%
49	5.497	5.479	5.528	VV	317	6307	0.10%	0.030%
50	5.559	5.528	5.567	VV	273	4398	0.07%	0.021%
51	5.586	5.567	5.603	VV	356	6214	0.10%	0.029%
52	5.622	5.603	5.678	VV	574	12739	0.20%	0.060%
53	5.682	5.678	5.691	VV	388	2345	0.04%	0.011%
54	5.715	5.691	5.728	VV	319	5968	0.09%	0.028%
55	5.733	5.728	5.751	VV	356	3660	0.06%	0.017%
56	5.779	5.751	5.794	VV	386	8002	0.12%	0.038%
57	5.815	5.794	5.835	VV	1152	14931	0.23%	0.070%
58	5.859	5.835	5.890	VV	1510	21165	0.32%	0.099%
59	5.919	5.890	5.969	VV	522	14516	0.22%	0.068%
60	6.008	5.969	6.037	VV	518	14898	0.23%	0.070%
61	6.049	6.037	6.061	VV	283	3501	0.05%	0.016%
62	6.075	6.061	6.098	VV	232	4425	0.07%	0.021%
63	6.125	6.098	6.156	VV	462	10647	0.16%	0.050%
64	6.188	6.156	6.224	VV	374	9780	0.15%	0.046%
65	6.253	6.224	6.271	VV	265	5402	0.08%	0.025%
66	6.297	6.271	6.324	VV	411	8384	0.13%	0.039%
67	6.351	6.324	6.378	VV	421	10018	0.15%	0.047%
68	6.398	6.378	6.435	VV	720	15415	0.24%	0.072%
69	6.449	6.435	6.475	VV	673	11442	0.18%	0.054%
70	6.493	6.475	6.528	VV	1256	20858	0.32%	0.098%
71	6.557	6.528	6.591	VV	809	18006	0.28%	0.085%
72	6.634	6.591	6.665	VV	673	20540	0.31%	0.097%
73	6.670	6.665	6.765	VV	409	21794	0.33%	0.102%
74	6.781	6.765	6.798	VV	438	7286	0.11%	0.034%
75	6.849	6.798	6.877	VV	3791	48911	0.75%	0.230%
76	6.936	6.877	6.955	PV	856	19388	0.30%	0.091%
77	6.973	6.955	6.988	VV	663	8673	0.13%	0.041%
78	7.004	6.988	7.025	VV	1461	17537	0.27%	0.082%
79	7.041	7.025	7.060	VV	568	8791	0.13%	0.041%
80	7.078	7.060	7.112	VV	860	12966	0.20%	0.061%
81	7.150	7.112	7.171	VV	306	8332	0.13%	0.039%
82	7.179	7.171	7.212	VV	287	5548	0.09%	0.026%
83	7.246	7.212	7.276	VV	322	9018	0.14%	0.042%
84	7.306	7.276	7.334	VV	863	14412	0.22%	0.068%
85	7.362	7.334	7.397	VV	1162	26357	0.40%	0.124%
86	7.413	7.397	7.458	VV	900	23718	0.36%	0.111%
87	7.491	7.458	7.516	VV	1297	23336	0.36%	0.110%
88	7.530	7.516	7.551	VV	353	6244	0.10%	0.029%
89	7.573	7.551	7.631	VV	420	14230	0.22%	0.067%

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90	7.657	7.631	7.695	VV	2491	33512	0.51%	0.157%
91	7.737	7.695	7.752	VV	572	14261	0.22%	0.067%
92	7.765	7.752	7.779	VV	633	7693	0.12%	0.036%
93	7.800	7.779	7.851	VV	1865	27610	0.42%	0.130%
94	7.864	7.851	7.878	VV	442	5777	0.09%	0.027%
95	7.893	7.878	7.933	VV	622	9109	0.14%	0.043%
96	7.969	7.933	7.998	VV	241	6405	0.10%	0.030%
97	8.014	7.998	8.039	VV	207	3125	0.05%	0.015%
98	8.067	8.039	8.095	VV	1042	12201	0.19%	0.057%
99	8.125	8.095	8.135	PV	128	2730	0.04%	0.013%
100	8.153	8.135	8.191	VV	313	7233	0.11%	0.034%
101	8.212	8.191	8.221	VV	419	5462	0.08%	0.026%
102	8.237	8.221	8.278	VV	431	10299	0.16%	0.048%
103	8.290	8.278	8.315	VV	251	3807	0.06%	0.018%
104	8.332	8.315	8.357	VV	230	4393	0.07%	0.021%
105	8.378	8.357	8.403	VV	1017	12544	0.19%	0.059%
106	8.436	8.403	8.456	VV	783	11362	0.17%	0.053%
107	8.471	8.456	8.492	VV	339	5294	0.08%	0.025%
108	8.504	8.492	8.515	VV	222	2437	0.04%	0.011%
109	8.537	8.515	8.561	VV	289	6319	0.10%	0.030%
110	8.592	8.561	8.658	VV	1163	26810	0.41%	0.126%
111	8.687	8.658	8.762	VV	6985	97447	1.49%	0.458%
112	8.800	8.762	8.821	VV	636	16800	0.26%	0.079%
113	8.838	8.821	8.864	VV	470	8410	0.13%	0.040%
114	8.881	8.864	8.907	VV	398	5662	0.09%	0.027%
115	8.924	8.907	8.977	VV	495	6789	0.10%	0.032%
116	9.009	8.977	9.089	PV	2781	54078	0.83%	0.254%
117	9.103	9.089	9.123	VV	531	9422	0.14%	0.044%
118	9.158	9.123	9.168	VV	954	19719	0.30%	0.093%
119	9.180	9.168	9.215	VV	986	21335	0.33%	0.100%
120	9.232	9.215	9.274	VV	1048	25258	0.39%	0.119%
121	9.296	9.274	9.326	VV	485	8951	0.14%	0.042%
122	9.346	9.326	9.371	VV	478	8185	0.13%	0.038%
123	9.420	9.371	9.438	VV	2716	42783	0.66%	0.201%
124	9.452	9.438	9.490	VV	1279	26615	0.41%	0.125%
125	9.534	9.490	9.588	VV	2193	53856	0.83%	0.253%
126	9.606	9.588	9.637	VV	726	10108	0.15%	0.048%
127	9.656	9.637	9.682	VV	462	5958	0.09%	0.028%
128	9.708	9.682	9.727	VV	330	5249	0.08%	0.025%
129	9.742	9.727	9.771	VV	295	5797	0.09%	0.027%
130	9.780	9.771	9.791	VV	266	2047	0.03%	0.010%
131	9.821	9.791	9.845	VV	605	12408	0.19%	0.058%
132	9.888	9.845	9.923	VV	1152	21309	0.33%	0.100%
133	9.940	9.923	9.973	VV	586	10704	0.16%	0.050%
134	9.985	9.973	10.004	VV	379	5316	0.08%	0.025%
135	10.027	10.004	10.058	VV	727	13434	0.21%	0.063%
136	10.080	10.058	10.128	VV	1473	21208	0.33%	0.100%
137	10.140	10.128	10.158	VV	284	4286	0.07%	0.020%
138	10.171	10.158	10.194	VV	331	4671	0.07%	0.022%
139	10.222	10.194	10.277	VV	1030	21514	0.33%	0.101%
140	10.302	10.277	10.338	VV	2849	37422	0.57%	0.176%
141	10.346	10.338	10.354	VV	171	1457	0.02%	0.007%

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142	10.375	10.354	10.441	VV	419	13571	0.21%	0.064%
143	10.471	10.441	10.499	VV	415	8394	0.13%	0.039%
144	10.516	10.499	10.526	VV	96	928	0.01%	0.004%
145	10.532	10.526	10.539	VV	58	315	0.00%	0.001%
146	10.583	10.539	10.596	PV	349	6034	0.09%	0.028%
147	10.627	10.596	10.641	VV	455	8092	0.12%	0.038%
148	10.650	10.641	10.662	VV	434	3960	0.06%	0.019%
149	10.699	10.662	10.718	VV	816	17174	0.26%	0.081%
150	10.739	10.718	10.758	VV	773	13837	0.21%	0.065%
151	10.781	10.758	10.818	VV	621	15906	0.24%	0.075%
152	10.830	10.818	10.878	VV	355	10384	0.16%	0.049%
153	10.908	10.878	10.919	VV	558	10551	0.16%	0.050%
154	10.942	10.919	10.953	VV	680	11901	0.18%	0.056%
155	10.974	10.953	11.008	VV	1038	26732	0.41%	0.126%
156	11.044	11.008	11.088	VV	3256	55857	0.86%	0.263%
157	11.101	11.088	11.128	VV	517	11066	0.17%	0.052%
158	11.174	11.128	11.218	VV	1130	32116	0.49%	0.151%
159	11.262	11.218	11.295	VV	571	17529	0.27%	0.082%
160	11.334	11.295	11.348	VV	385	10214	0.16%	0.048%
161	11.369	11.348	11.402	VV	525	14247	0.22%	0.067%
162	11.442	11.402	11.459	VV	1029	21009	0.32%	0.099%
163	11.473	11.459	11.491	VV	740	11830	0.18%	0.056%
164	11.501	11.491	11.525	VV	528	7432	0.11%	0.035%
165	11.552	11.525	11.585	VV	420	9773	0.15%	0.046%
166	11.614	11.585	11.652	VV	411	9137	0.14%	0.043%
167	11.681	11.652	11.711	VV	2802	38170	0.58%	0.179%
168	11.751	11.711	11.781	VV	3788	56180	0.86%	0.264%
169	11.798	11.781	11.823	VV	411	7766	0.12%	0.036%
170	11.845	11.823	11.874	VV	728	12391	0.19%	0.058%
171	11.893	11.874	11.928	VV	186	3056	0.05%	0.014%
172	11.983	11.928	12.017	PV	298	8735	0.13%	0.041%
173	12.077	12.017	12.095	VV	802	18414	0.28%	0.087%
174	12.108	12.095	12.128	VV	540	8894	0.14%	0.042%
175	12.146	12.128	12.198	VV	692	17046	0.26%	0.080%
176	12.211	12.198	12.255	VV	668	15764	0.24%	0.074%
177	12.276	12.255	12.288	VV	324	5357	0.08%	0.025%
178	12.306	12.288	12.334	VV	413	8566	0.13%	0.040%
179	12.359	12.334	12.376	VV	661	12431	0.19%	0.058%
180	12.419	12.376	12.450	VV	1617	37234	0.57%	0.175%
181	12.487	12.450	12.511	VV	586	16737	0.26%	0.079%
182	12.527	12.511	12.540	VV	324	5060	0.08%	0.024%
183	12.559	12.540	12.608	VV	380	13203	0.20%	0.062%
184	12.641	12.608	12.685	VV	828	24232	0.37%	0.114%
185	12.704	12.685	12.744	VV	503	13380	0.21%	0.063%
186	12.760	12.744	12.772	VV	317	4342	0.07%	0.020%
187	12.795	12.772	12.817	VV	591	11088	0.17%	0.052%
188	12.836	12.817	12.851	VV	481	7999	0.12%	0.038%
189	12.886	12.851	12.904	VV	906	20838	0.32%	0.098%
190	12.920	12.904	12.945	VV	1068	17706	0.27%	0.083%
191	12.964	12.945	12.981	VV	441	7421	0.11%	0.035%
192	13.005	12.981	13.036	VV	1879	25964	0.40%	0.122%
193	13.066	13.036	13.108	VV	4551	62062	0.95%	0.292%
194	13.114	13.108	13.165	VV	448	10518	0.16%	0.049%

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195	13.186	13.165	13.227	VV	546	10316	0.16%	0.048%
196	13.238	13.227	13.252	VV	148	1474	0.02%	0.007%
197	13.265	13.252	13.275	VV	145	963	0.01%	0.005%
198	13.341	13.275	13.378	VV	558	12131	0.19%	0.057%
199	13.451	13.378	13.465	VV	584	18006	0.28%	0.085%
200	13.517	13.465	13.607	VV	562607	6525311	100.00%	30.667%
201	13.620	13.607	13.658	VV	939	20749	0.32%	0.098%
202	13.681	13.658	13.715	VV	1688	33585	0.51%	0.158%
203	13.740	13.715	13.775	VV	596	16109	0.25%	0.076%
204	13.804	13.775	13.855	VV	348	10771	0.17%	0.051%
205	13.886	13.855	13.927	VV	425	13656	0.21%	0.064%
206	13.952	13.927	14.001	VV	599	17441	0.27%	0.082%
207	14.013	14.001	14.040	VV	301	5375	0.08%	0.025%
208	14.063	14.040	14.094	VV	333	9284	0.14%	0.044%
209	14.124	14.094	14.164	VV	589	15680	0.24%	0.074%
210	14.217	14.164	14.241	VV	1723	33184	0.51%	0.156%
211	14.268	14.241	14.341	VV	4136	62200	0.95%	0.292%
212	14.362	14.341	14.409	VV	209	4075	0.06%	0.019%
213	14.423	14.409	14.457	VV	92	1581	0.02%	0.007%
214	14.548	14.457	14.585	PV	239	11401	0.17%	0.054%
215	14.605	14.585	14.621	VV	171	3065	0.05%	0.014%
216	14.658	14.621	14.681	VV	284	7622	0.12%	0.036%
217	14.707	14.681	14.743	VV	2864	41659	0.64%	0.196%
218	14.781	14.743	14.807	VV	644	17150	0.26%	0.081%
219	14.833	14.807	14.908	VV	2292	40019	0.61%	0.188%
220	14.974	14.908	15.014	VV	504	18917	0.29%	0.089%
221	15.033	15.014	15.045	VV	227	3049	0.05%	0.014%
222	15.054	15.045	15.068	VV	141	1586	0.02%	0.007%
223	15.093	15.068	15.113	VV	348	6412	0.10%	0.030%
224	15.149	15.113	15.171	VV	556	11322	0.17%	0.053%
225	15.179	15.171	15.263	VV	349	11553	0.18%	0.054%
226	15.329	15.263	15.346	VV	1839	31204	0.48%	0.147%
227	15.373	15.346	15.405	VV	6299	97375	1.49%	0.458%
228	15.418	15.405	15.449	VV	487	8874	0.14%	0.042%
229	15.459	15.449	15.511	VV	257	5597	0.09%	0.026%
230	15.534	15.511	15.571	VV	195	4492	0.07%	0.021%
231	15.575	15.571	15.588	VV	210	998	0.02%	0.005%
232	15.599	15.588	15.603	VV	66	370	0.01%	0.002%
233	15.641	15.603	15.691	VV	157	3472	0.05%	0.016%
234	15.718	15.691	15.735	PV	152	2731	0.04%	0.013%
235	15.775	15.735	15.791	PV	332	7886	0.12%	0.037%
236	15.801	15.791	15.831	VV	316	5779	0.09%	0.027%
237	15.855	15.831	15.871	VV	708	10206	0.16%	0.048%
238	15.897	15.871	15.941	VV	4162	59273	0.91%	0.279%
239	15.982	15.941	16.001	VV	440	8882	0.14%	0.042%
240	16.030	16.001	16.065	VV	245	4981	0.08%	0.023%
241	16.075	16.065	16.102	VV	184	2129	0.03%	0.010%
242	16.117	16.102	16.158	VV	74	1752	0.03%	0.008%
243	16.222	16.158	16.238	VV	396	9159	0.14%	0.043%
244	16.267	16.238	16.311	VV	290	7736	0.12%	0.036%
245	16.360	16.311	16.374	PV	1148	17167	0.26%	0.081%
246	16.399	16.374	16.445	VV	5919	86971	1.33%	0.409%

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247	16.458	16.445	16.515	VV	318	5731	0.09%	0.027%
248	16.532	16.515	16.557	VV	213	3031	0.05%	0.014%
249	16.572	16.557	16.598	VV	182	3304	0.05%	0.016%
250	16.614	16.598	16.664	VV	172	2819	0.04%	0.013%
251	16.708	16.664	16.738	PV	224	5338	0.08%	0.025%
252	16.765	16.738	16.773	PV	130	2135	0.03%	0.010%
253	16.883	16.773	16.941	VV	5825	97258	1.49%	0.457%
254	16.958	16.941	16.983	VV	265	5203	0.08%	0.024%
255	16.996	16.983	17.004	VV	172	1695	0.03%	0.008%
256	17.020	17.004	17.033	VV	161	2239	0.03%	0.011%
257	17.058	17.033	17.095	VV	283	5377	0.08%	0.025%
258	17.121	17.095	17.148	VV	157	3008	0.05%	0.014%
259	17.187	17.148	17.203	PV	262	4399	0.07%	0.021%
260	17.230	17.203	17.254	VV	453	8051	0.12%	0.038%
261	17.277	17.254	17.289	VV	248	3557	0.05%	0.017%
262	17.352	17.289	17.411	VV	9131	148156	2.27%	0.696%
263	17.431	17.411	17.479	VV	273	6152	0.09%	0.029%
264	17.514	17.479	17.555	VV	191	4579	0.07%	0.022%
265	17.566	17.555	17.592	VV	128	1568	0.02%	0.007%
266	17.643	17.592	17.661	PV	306	6815	0.10%	0.032%
267	17.691	17.661	17.714	VV	234	4131	0.06%	0.019%
268	17.743	17.714	17.755	VV	285	4748	0.07%	0.022%
269	17.803	17.755	17.868	VV	13023	192348	2.95%	0.904%
270	17.887	17.868	17.929	VV	549	11246	0.17%	0.053%
271	18.024	17.929	18.054	VV	296	11230	0.17%	0.053%
272	18.084	18.054	18.158	VV	369	10156	0.16%	0.048%
273	18.241	18.158	18.301	PV	21182	319338	4.89%	1.501%
274	18.330	18.301	18.364	VV	510	12929	0.20%	0.061%
275	18.437	18.364	18.472	VV	348	16047	0.25%	0.075%
276	18.513	18.472	18.537	PV	670	12558	0.19%	0.059%
277	18.578	18.537	18.590	VV	248	6161	0.09%	0.029%
278	18.665	18.590	18.718	VV	26146	378256	5.80%	1.778%
279	18.765	18.718	18.801	VV	375	10149	0.16%	0.048%
280	18.930	18.801	18.952	PV	1156	17199	0.26%	0.081%
281	18.975	18.952	18.998	VV	358	5533	0.08%	0.026%
282	19.076	18.998	19.134	PV	33065	497676	7.63%	2.339%
283	19.174	19.134	19.223	VV	538	12444	0.19%	0.058%
284	19.236	19.223	19.244	VV	88	921	0.01%	0.004%
285	19.334	19.244	19.355	PV	1546	23192	0.36%	0.109%
286	19.377	19.355	19.399	VV	934	12566	0.19%	0.059%
287	19.473	19.399	19.521	PV	32805	470361	7.21%	2.211%
288	19.581	19.521	19.597	VV	502	13920	0.21%	0.065%
289	19.628	19.597	19.646	VV	729	14833	0.23%	0.070%
290	19.722	19.646	19.748	VV	2603	57511	0.88%	0.270%
291	19.767	19.748	19.801	VV	1817	33844	0.52%	0.159%
292	19.860	19.801	19.899	VV	36690	562915	8.63%	2.646%
293	19.913	19.899	19.922	VV	1308	18013	0.28%	0.085%
294	20.102	19.922	20.123	VV	4214	244601	3.75%	1.150%
295	20.146	20.123	20.178	VV	4767	109157	1.67%	0.513%
296	20.237	20.178	20.281	VV	31667	581911	8.92%	2.735%
297	20.297	20.281	20.309	VV	3324	53907	0.83%	0.253%
298	20.421	20.309	20.441	VV	4507	292274	4.48%	1.374%
299	20.470	20.441	20.490	VV	6262	153590	2.35%	0.722%

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300	20.514	20.490	20.541	VV	6641	167035	2.56%	0.785%
301	20.601	20.541	20.652	VV	34036	763345	11.70%	3.587%
302	20.672	20.652	20.686	VV	6229	122622	1.88%	0.576%
303	20.695	20.686	20.700	VV	5856	49219	0.75%	0.231%
304	20.782	20.700	20.804	VV	7588	421881	6.47%	1.983%
305	20.832	20.804	20.855	VV	8356	236211	3.62%	1.110%
306	20.880	20.855	20.908	VV	8467	243140	3.73%	1.143%
307	20.970	20.908	21.021	VV	25500	771822	11.83%	3.627%
308	21.055	21.021	21.078	VV	7633	250051	3.83%	1.175%
309	21.161	21.078	21.198	VV	8835	569538	8.73%	2.677%
310	21.222	21.198	21.252	VV	7966	247015	3.79%	1.161%
311	21.279	21.252	21.327	VV	7838	320847	4.92%	1.508%
312	21.380	21.327	21.463	VV	21351	803488	12.31%	3.776%
313	21.485	21.463	21.520	VV	5879	185564	2.84%	0.872%
314	21.592	21.520	21.633	VV	5601	357917	5.49%	1.682%
315	21.662	21.633	21.693	VV	5269	177709	2.72%	0.835%
316	21.725	21.693	21.763	VV	5348	196798	3.02%	0.925%
317	21.772	21.763	21.788	VV	3897	58189	0.89%	0.273%
318	21.842	21.788	21.938	VV	10486	441740	6.77%	2.076%
319	21.974	21.938	21.994	VV	2678	86627	1.33%	0.407%
320	22.086	21.994	22.141	VV	2271	188305	2.89%	0.885%
321	22.158	22.141	22.216	VV	1597	52400	0.80%	0.246%
322	22.240	22.216	22.281	VV	886	22083	0.34%	0.104%

Sum of corrected areas: 21278124

Aliphatic EPH 080125.M Wed Aug 27 03:48:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049672.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 15:36
Operator : YP/AJ
Sample : PB169398BL
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB169398BL

Integration File: autoint1.e
Quant Time: Aug 27 01:42:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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...	7.714	4325656	42.207 ug/ml
Spiked Amount 50.000		Recovery =	84.41%
6) S 2-Flurobiphenyl (SURR)	8.579	3091068	42.317 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery =	84.63%
11) S ortho-Terphenyl (SURR)	11.628	6135663	47.272 ug/ml
Spiked Amount 50.000		Recovery =	94.54%
Target Compounds			

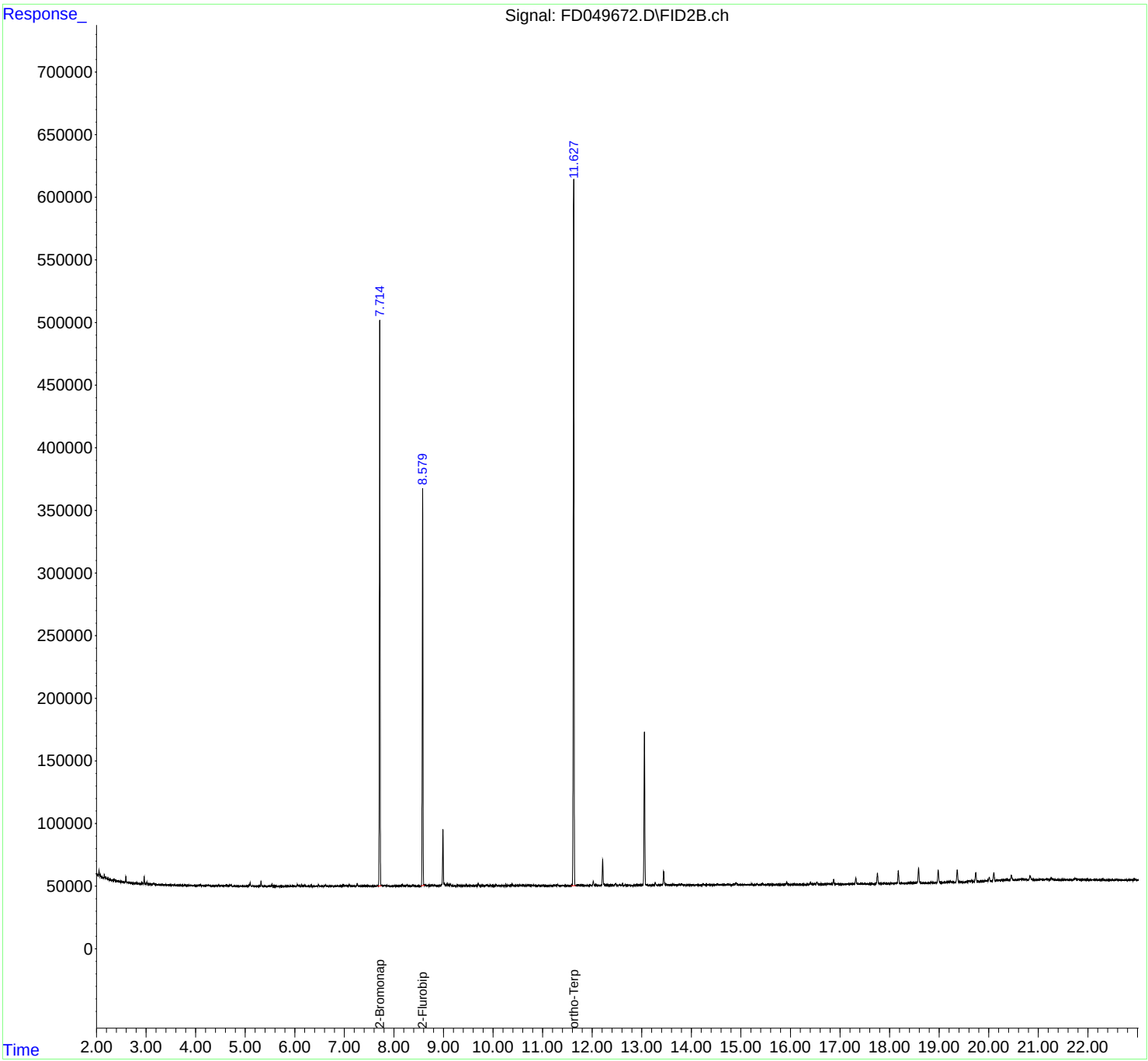
(f)=RT Delta > 1/2 Window (m)=manual int.

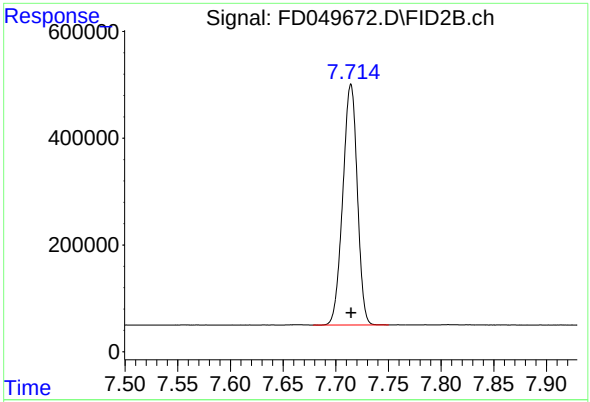
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049672.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 15:36
Operator : YP/AJ
Sample : PB169398BL
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB169398BL

Integration File: autoint1.e
Quant Time: Aug 27 01:42:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 2025
Response via : Initial Calibration
Integrator: ChemStation

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

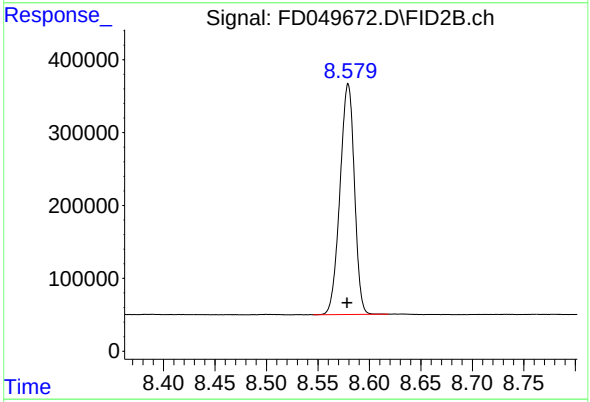




#4 2-Bromonaphthalene (SURR)

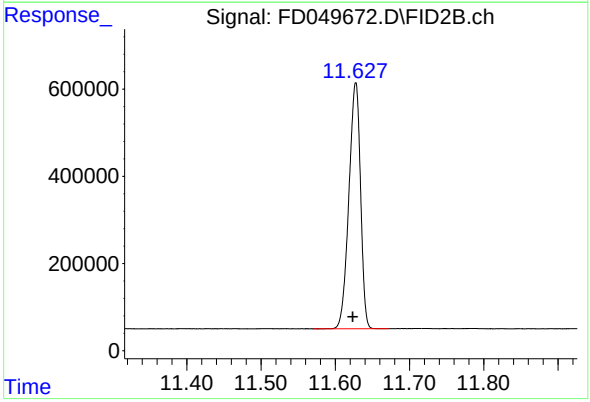
R.T.: 7.714 min
Delta R.T.: 0.000 min
Response: 4325656
Conc: 42.21 ug/ml

Instrument :
FID_D
ClientSampleId :
PB169398BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.579 min
Delta R.T.: 0.000 min
Response: 3091068
Conc: 42.32 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.628 min
Delta R.T.: 0.004 min
Response: 6135663
Conc: 47.27 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049672.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 15:36
Sample : PB169398BL
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	7.714	7.679	7.750	BB	450296	4325656	70.50%	31.918%
2	8.579	8.545	8.619	BB	316293	3091068	50.38%	22.808%
3	11.628	11.570	11.672	BB	565493	6135663	100.00%	45.274%
			Sum of corrected areas:			13552387		

Aromatic EPH 081125.M Wed Aug 27 02:05:11 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055519.D
Signal(s) : FID1B.ch
Acq On : 26 Aug 2025 22:02
Operator : YP\AJ
Sample : PB169398BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169398BL

Integration File: sample.E
Quant Time: Aug 27 02:37:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 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...	13.518	6309394	58.679 ug/ml
Spiked Amount 50.000		Recovery = 117.36%	
Target Compounds			

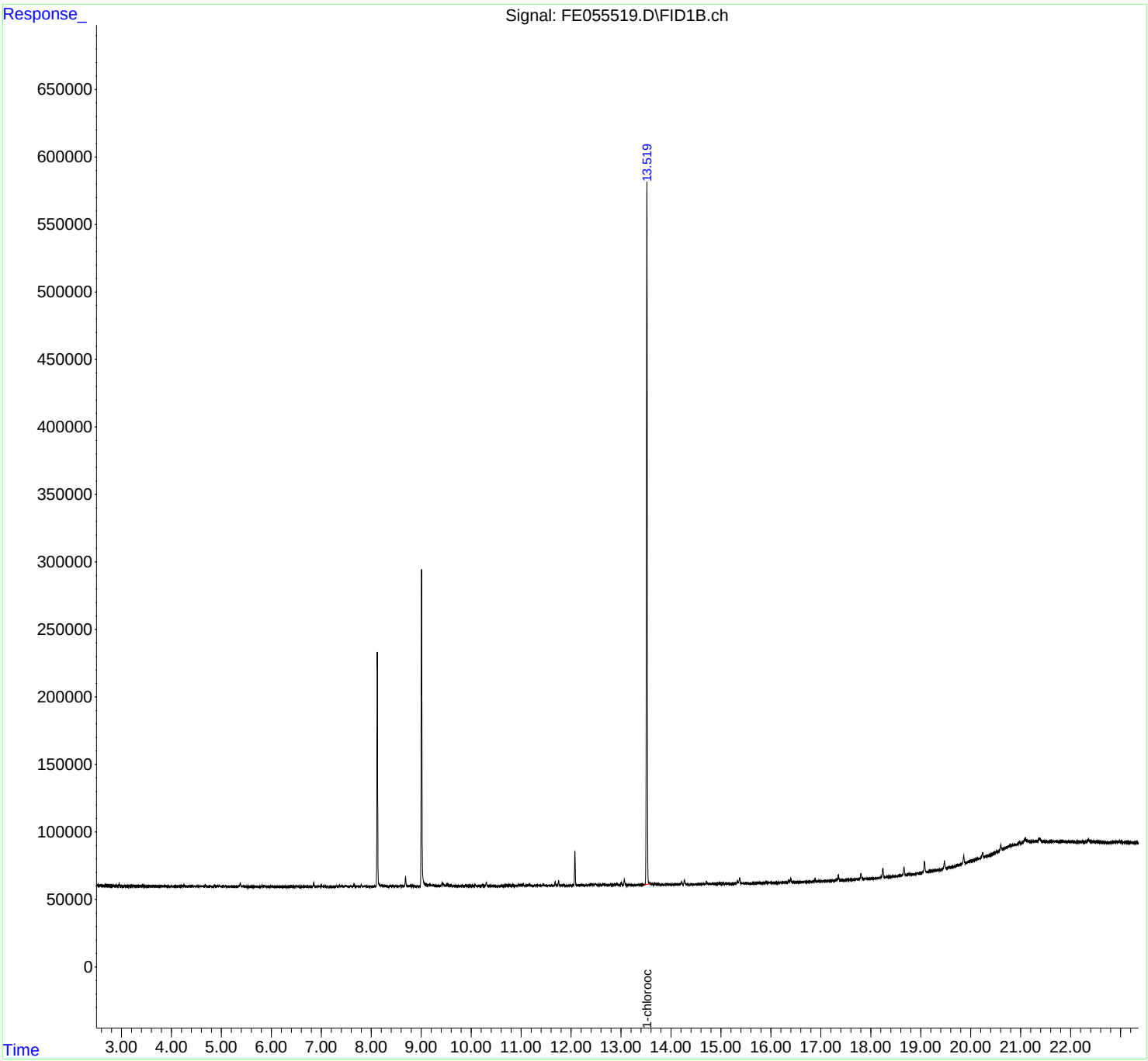
(f)=RT Delta > 1/2 Window (m)=manual int.

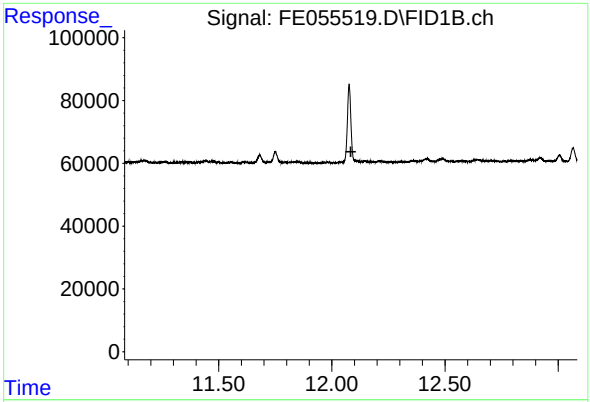
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055519.D
Signal(s) : FID1B.ch
Acq On : 26 Aug 2025 22:02
Operator : YP\AJ
Sample : PB169398BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169398BL

Integration File: sample.E
Quant Time: Aug 27 02:37:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

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

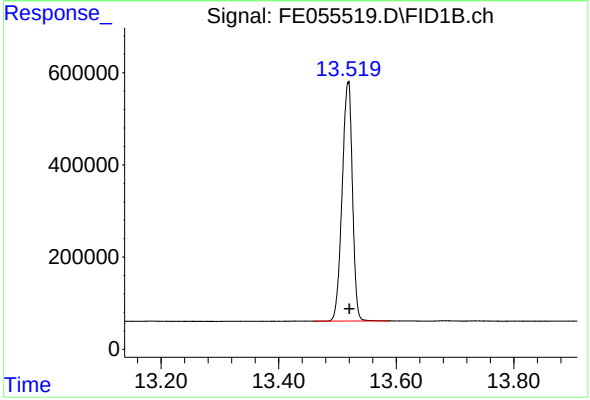




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 12.084 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
PB169398BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.518 min
Delta R.T.: -0.003 min
Response: 6309394
Conc: 58.68 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055519.D
Signal(s) : FID1B.ch
Acq On : 26 Aug 2025 22:02
Sample : PB169398BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	13.518	13.459	13.587	BB	518538	6309394	100.00%	100.000%
			Sum of corrected areas:			6309394		

Aliphatic EPH 080125.M Wed Aug 27 03:32:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049673.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 16:21
Operator : YP/AJ
Sample : PB169398BS
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB169398BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/27/2025
Supervised By :mohammad ahmed 08/29/2025

Integration File: autoint1.e
Quant Time: Aug 27 01:42:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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...	7.716	6001678	58.560 ug/ml
Spiked Amount	50.000		Recovery =	117.12%
6) S	2-Flurobiphenyl (SURR)	8.581	4208858	57.619 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	115.24%
11) S	ortho-Terphenyl (SURR)	11.628	6108502	47.063 ug/ml
Spiked Amount	50.000		Recovery =	94.13%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.506	3764713	37.193 ug/ml
2) T	Naphthalene (C11.7)	6.050	4782323	41.709 ug/ml
3) T	2-Methylnaphthalene (...	7.104	4802811	40.261 ug/ml
5) T	Acenaphthylene (C15.06)	8.384	5803238	46.163 ug/ml
7) T	Acenaphthene (C15.5)	8.681	5904981	46.964 ug/ml
8) T	Flouorene (C16.55)	9.463	6301350	49.770 ug/ml
9) T	Phenanthrene (C19.36)	10.862	6438724	49.844 ug/ml
10) T	Anthracene (C19.43)	10.937	5404483	43.870 ug/ml
12) T	Fluoranthene (C21.85)	12.677	6536536	51.060 ug/ml
13) T	Pyrene (C20.8)	12.976	6405419	50.450 ug/ml
14) T	Benzo[a]anthracene (C...	14.849	6065276	52.561 ug/ml
15) T	Chrysene (C27.41)	14.893	6599667	56.368 ug/ml
16) T	benzo[b]fluoranthene ...	16.400	6076854	53.430 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.436	5880280	54.932 ug/mlm
18) T	Benzo[a]pyrene (C31.34)	16.781	5687438	51.267 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.148	6029338	58.493 ug/ml
20) T	Dibenz[a,h]anthracene...	18.186	5776843	52.999 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.404	5452384	49.896 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

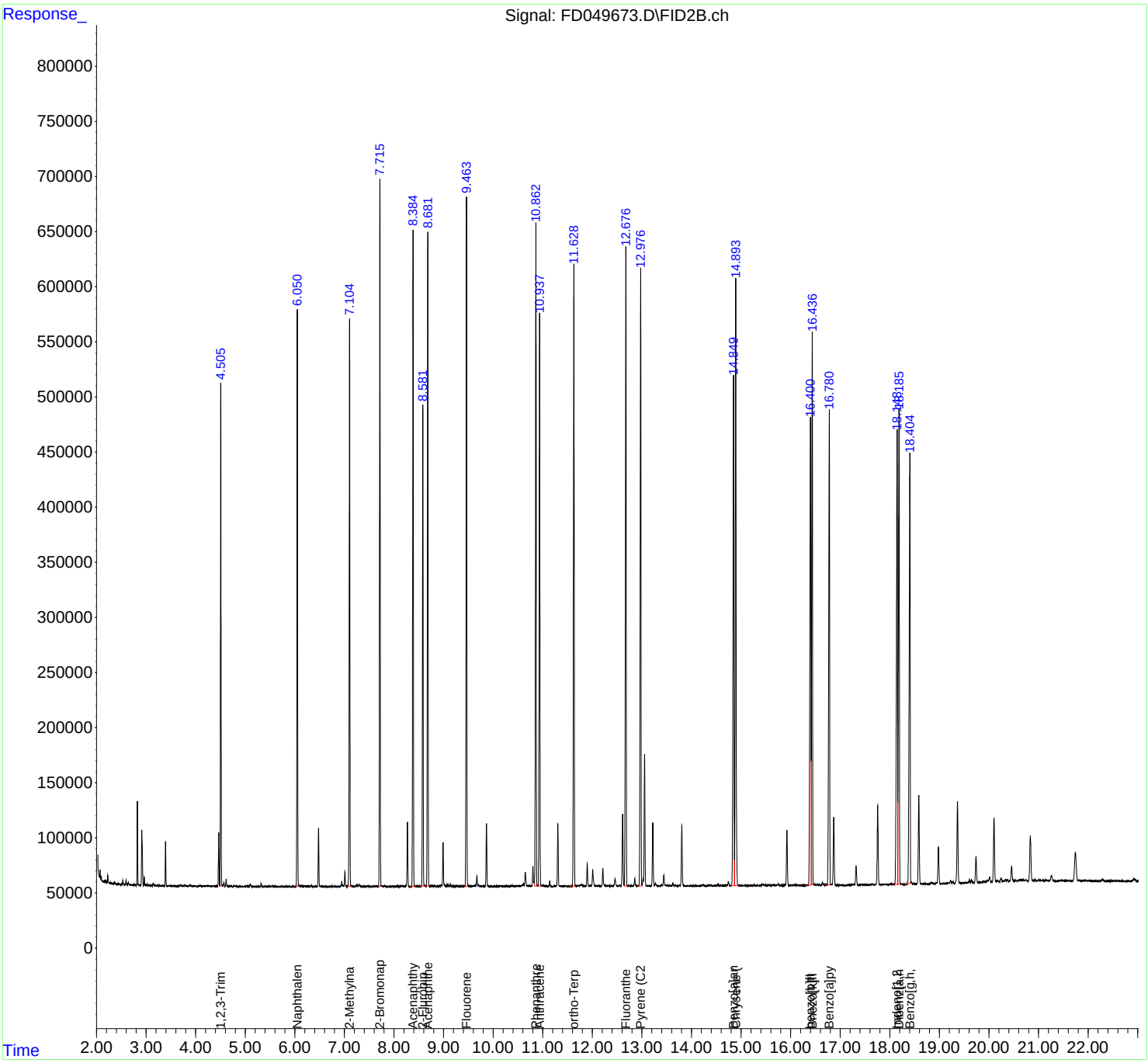
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049673.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 16:21
Operator : YP/AJ
Sample : PB169398BS
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB169398BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/27/2025
Supervised By :mohammad ahmed 08/29/2025

Integration File: autoint1.e
Quant Time: Aug 27 01:42:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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 :
PB169398BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/27/2025
Supervised By :mohammad ahmed 08/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD08262
Data File : FD049673.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 16:21
Sample : PB169398BS
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.506	4.484	4.531	VV	454852	3764713	57.04%	3.135%
2	6.050	5.995	6.085	BB	523474	4782323	72.46%	3.983%
3	7.104	7.048	7.160	BB	514042	4802811	72.77%	4.000%
4	7.716	7.675	7.760	BB	639172	6001678	90.94%	4.998%
5	8.384	8.325	8.442	BB	595793	5803238	87.93%	4.833%
6	8.581	8.523	8.613	BB	437788	4208858	63.77%	3.505%
7	8.681	8.623	8.717	BB	593905	5904981	89.47%	4.918%
8	9.463	9.408	9.500	BB	626430	6301350	95.48%	5.248%
9	10.862	10.832	10.900	VV	602973	6438724	97.56%	5.362%
10	10.937	10.900	10.980	PB	519999	5404483	81.89%	4.501%
11	11.628	11.542	11.670	BB	566134	6108502	92.56%	5.087%
12	12.677	12.640	12.707	VB	579827	6536536	99.04%	5.444%
13	12.976	12.913	13.001	BV	558242	6405419	97.06%	5.335%
14	14.849	14.785	14.867	BV	462787	6065276	91.90%	5.051%
15	14.893	14.867	14.953	VB	551437	6599667	100.00%	5.496%
16	16.400	16.310	16.415	BV	424794	6076854	92.08%	5.061%
17	16.436	16.415	16.463	VB	502774	5922895	89.75%	4.933%
18	16.781	16.713	16.810	BB	430382	5687438	86.18%	4.737%
19	18.148	18.073	18.162	BV	413407	6029338	91.36%	5.021%
20	18.186	18.162	18.237	VB	431031	5776843	87.53%	4.811%
21	18.404	18.325	18.428	BV	391698	5452384	82.62%	4.541%
			Sum of corrected areas:			120074310		

Aromatic EPH 081125.M Wed Aug 27 02:06:17 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055520.D
Signal(s) : FID1B.ch
Acq On : 26 Aug 2025 22:32
Operator : YP\AJ
Sample : PB169398BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169398BS

Integration File: sample.E
Quant Time: Aug 27 02:38:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 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...	13.517	4982744	46.341 ug/ml
Spiked Amount	50.000		Recovery =	92.68%
	Target Compounds			
1) T	n-Nonane (C9)	3.416	2640647	23.008 ug/ml
2) T	n-Decane (C10)	4.675	3243826	27.845 ug/ml
4) T	n-Dodecane (C12)	6.850	3790959	31.835 ug/ml
6) T	n-Tetradecane (C14)	8.688	4153271	33.874 ug/ml
7) T	n-Hexadecane (C16)	10.303	4517680	35.337 ug/ml
8) T	n-Octadecane (C18)	11.753	4987542	38.226 ug/ml
10) T	n-Eicosane (C20)	13.069	5423974	43.229 ug/ml
11) T	n-Heneicosane (C21)	13.683	5317831	43.141 ug/ml
13) T	n-Docosane (C22)	14.271	5380769	44.061 ug/ml
14) T	n-Tetracosane (C24)	15.378	5434037	44.675 ug/ml
15) T	n-Hexacosane (C26)	16.401	5331020	44.557 ug/ml
16) T	n-Octacosane (C28)	17.355	5298604	44.667 ug/ml
17) T	n-Tricontane (C30)	18.244	5402484	43.905 ug/ml
18) T	n-Dotriacontane (C32)	19.078	5526553	45.295 ug/ml
19) T	n-Tetratriacontane (C34)	19.864	5731892	49.024 ug/ml
20) T	n-Hexatriacontane (C36)	20.606	5892518	53.912 ug/ml
21) T	n-Octatriacontane (C38)	21.385	6234804	57.692 ug/ml
22) T	n-Tetracontane (C40)	22.376	6124027	58.561 ug/ml

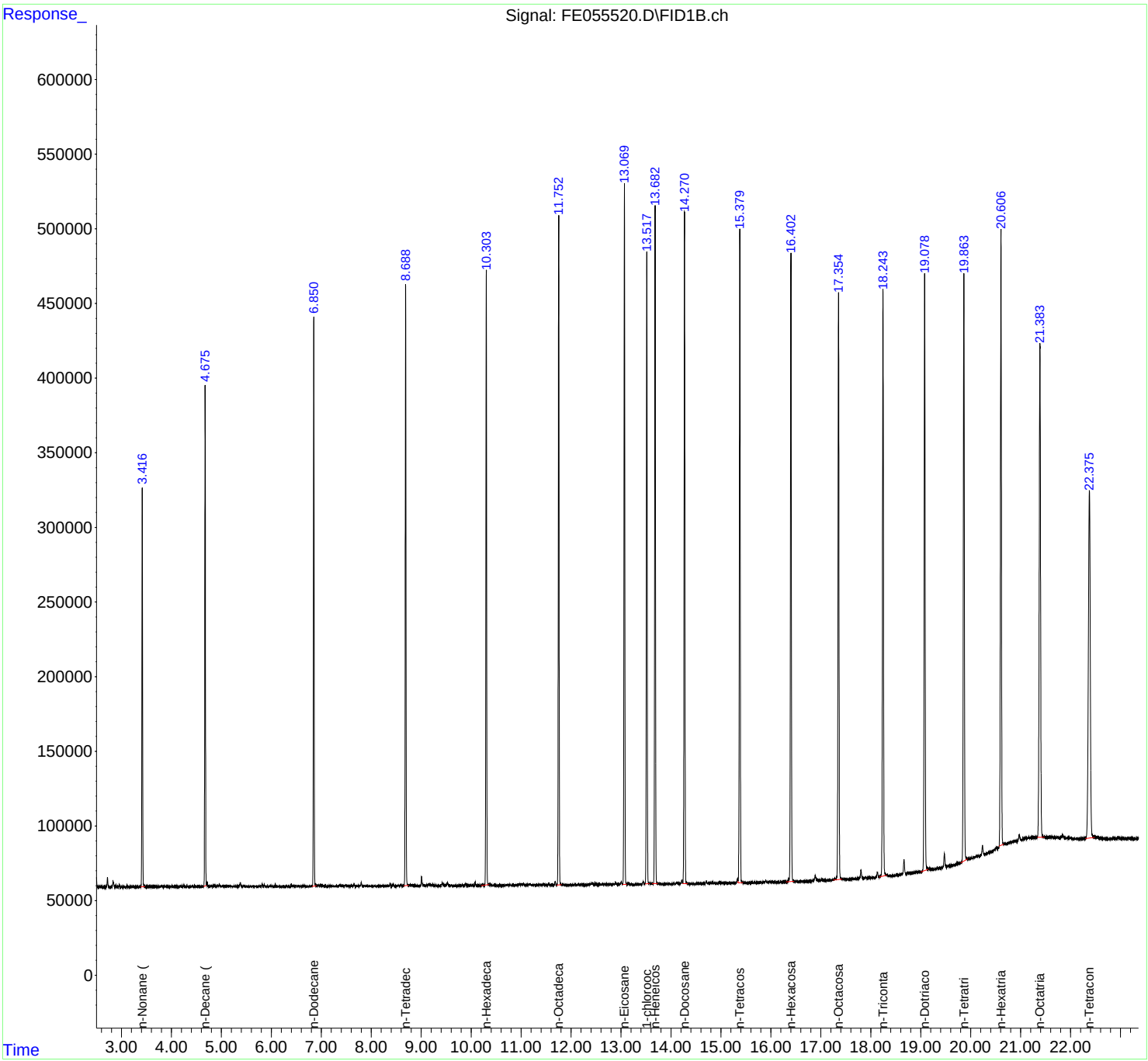
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055520.D
Signal(s) : FID1B.ch
Acq On : 26 Aug 2025 22:32
Operator : YP\AJ
Sample : PB169398BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169398BS

Integration File: sample.E
Quant Time: Aug 27 02:38:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 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_E\Data\FE082625AL\
Data File : FE055520.D
Signal(s) : FID1B.ch
Acq On : 26 Aug 2025 22:32
Sample : PB169398BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.416	3.385	3.472	BB	266914	2640647	42.35%	2.768%
2	4.675	4.642	4.703	BV	336757	3243826	52.03%	3.400%
3	6.850	6.814	6.907	BB	381547	3790959	60.80%	3.973%
4	8.688	8.654	8.750	BB	400632	4153271	66.61%	4.353%
5	10.303	10.197	10.355	BB	412043	4517680	72.46%	4.735%
6	11.753	11.715	11.810	BB	444937	4987542	80.00%	5.227%
7	13.069	13.030	13.114	PV	467966	5423974	87.00%	5.685%
8	13.517	13.480	13.567	BB	424157	4982744	79.92%	5.222%
9	13.683	13.619	13.739	BB	453961	5317831	85.29%	5.573%
10	14.271	14.236	14.334	VB	451816	5380769	86.30%	5.639%
11	15.378	15.343	15.437	VB	438212	5434037	87.16%	5.695%
12	16.402	16.309	16.467	BB	422606	5331020	85.50%	5.587%
13	17.355	17.250	17.422	BB	392424	5298604	84.98%	5.553%
14	18.244	18.169	18.319	BB	392327	5402484	86.65%	5.662%
15	19.078	19.000	19.152	BB	399820	5526553	88.64%	5.792%
16	19.864	19.800	19.932	BB	393713	5731892	91.93%	6.007%
17	20.606	20.570	20.664	BB	413498	5892518	94.51%	6.176%
18	21.385	21.330	21.475	BB	327529	6234804	100.00%	6.534%
19	22.376	22.300	22.484	BB	232581	6124027	98.22%	6.418%
			Sum of corrected areas:			95415180		

Aliphatic EPH 080125.M Wed Aug 27 03:32:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049674.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 17:07
Operator : YP/AJ
Sample : PB169398BSD
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB169398BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/27/2025
Supervised By :mohammad ahmed 08/29/2025

Integration File: autoint1.e
Quant Time: Aug 27 01:43:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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...	7.716	5796429	56.558 ug/ml
Spiked Amount	50.000		Recovery =	113.12%
6) S	2-Flurobiphenyl (SURR)	8.581	4078752	55.838 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	111.68%
11) S	ortho-Terphenyl (SURR)	11.627	6000478	46.230 ug/ml
Spiked Amount	50.000		Recovery =	92.46%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.505	3649049	36.051 ug/ml
2) T	Naphthalene (C11.7)	6.050	4607699	40.186 ug/ml
3) T	2-Methylnaphthalene (...	7.104	4628158	38.797 ug/ml
5) T	Acenaphthylene (C15.06)	8.384	5627697	44.767 ug/ml
7) T	Acenaphthene (C15.5)	8.681	5751738	45.745 ug/ml
8) T	Flouorene (C16.55)	9.463	6140554	48.500 ug/ml
9) T	Phenanthrene (C19.36)	10.862	6297102	48.748 ug/ml
10) T	Anthracene (C19.43)	10.936	5286915	42.916 ug/ml
12) T	Fluoranthene (C21.85)	12.677	6389287	49.910 ug/ml
13) T	Pyrene (C20.8)	12.976	6267136	49.361 ug/ml
14) T	Benzo[a]anthracene (C...	14.849	5988903	51.899 ug/ml
15) T	Chrysene (C27.41)	14.893	6504367	55.554 ug/ml
16) T	benzo[b]fluoranthene ...	16.401	6026805	52.990 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.436	5781107	54.005 ug/mlm
18) T	Benzo[a]pyrene (C31.34)	16.781	5641055	50.849 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.148	5976357	57.979 ug/ml
20) T	Dibenz[a,h]anthracene...	18.186	5762236	52.865 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.406	5412645	49.532 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

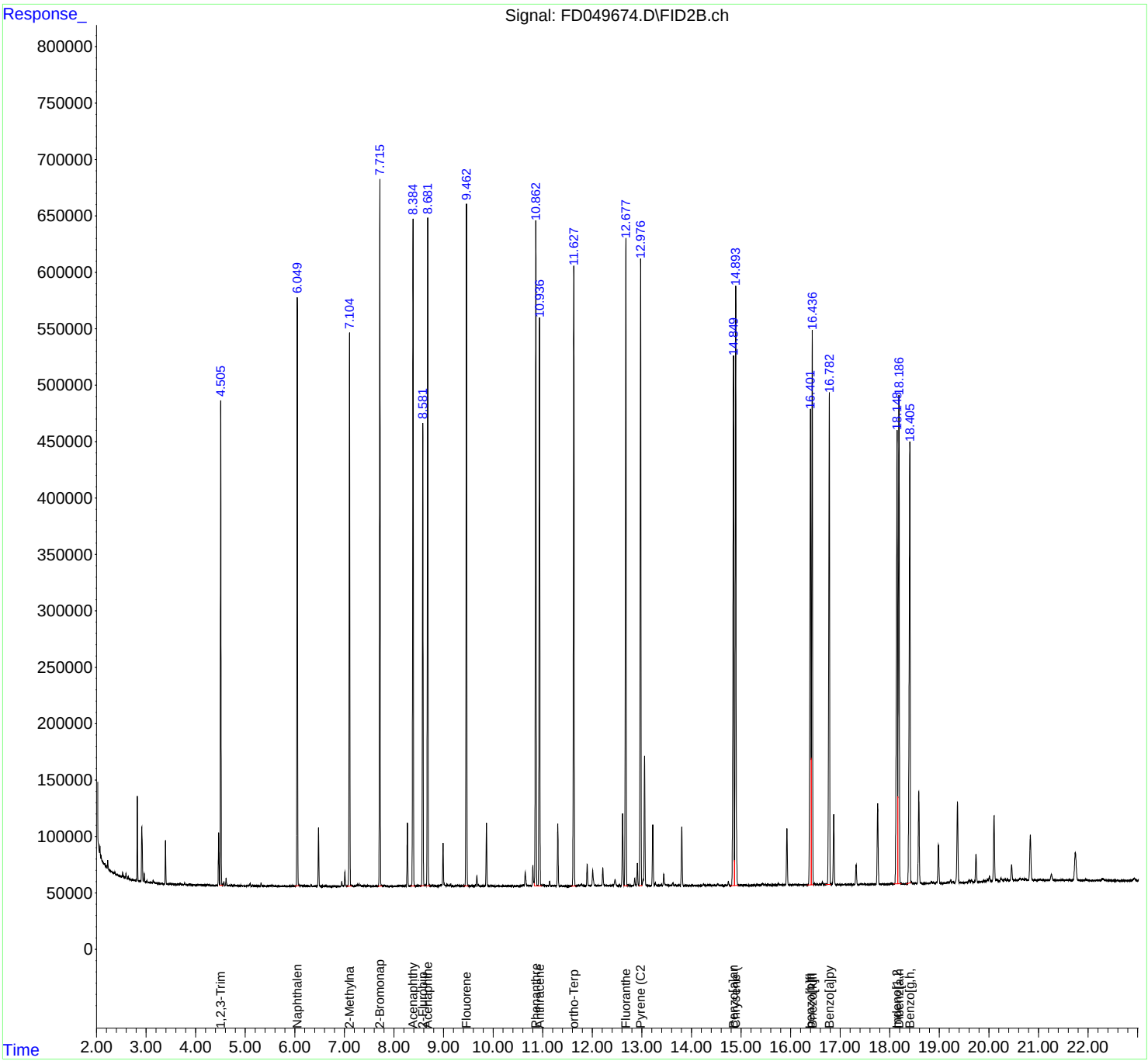
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
Data File : FD049674.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 17:07
Operator : YP/AJ
Sample : PB169398BSD
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB169398BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/27/2025
Supervised By :mohammad ahmed 08/29/2025

Integration File: autoint1.e
Quant Time: Aug 27 01:43:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
Quant Title : GC Extractables
QLast Update : Mon Aug 11 14:11:57 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 :
PB169398BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 08/27/2025
Supervised By :mohammad ahmed 08/29/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD08262
Data File : FD049674.D
Signal(s) : FID2B.ch
Acq On : 26 Aug 2025 17:07
Sample : PB169398BSD
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.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	4.505	4.483	4.549	VB	429533	3649049	56.10%	3.100%
2	6.050	6.004	6.085	BB	520813	4607699	70.84%	3.915%
3	7.104	7.049	7.154	BB	489710	4628158	71.15%	3.932%
4	7.716	7.677	7.764	BB	625406	5796429	89.12%	4.925%
5	8.384	8.332	8.430	BB	592208	5627697	86.52%	4.781%
6	8.581	8.527	8.608	BV	410429	4078752	62.71%	3.465%
7	8.681	8.652	8.732	BB	590615	5751738	88.43%	4.887%
8	9.463	9.409	9.502	BB	602138	6140554	94.41%	5.217%
9	10.862	10.830	10.899	VV	589705	6297102	96.81%	5.350%
10	10.936	10.899	10.985	VB	504760	5286915	81.28%	4.492%
11	11.627	11.569	11.674	BB	549776	6000478	92.25%	5.098%
12	12.677	12.639	12.719	VB	573100	6389287	98.23%	5.428%
13	12.976	12.935	13.000	VV	554827	6267136	96.35%	5.325%
14	14.849	14.784	14.867	BV	468923	5988903	92.08%	5.088%
15	14.893	14.867	14.940	VB	532092	6504367	100.00%	5.526%
16	16.401	16.332	16.416	BV	421747	6026805	92.66%	5.120%
17	16.437	16.416	16.469	VV	491893	5869866	90.25%	4.987%
18	16.781	16.707	16.814	BB	436570	5641055	86.73%	4.793%
19	18.148	18.075	18.162	BV	402280	5976357	91.88%	5.077%
20	18.186	18.162	18.237	VB	431947	5762236	88.59%	4.896%
21	18.406	18.334	18.429	BV	389638	5412645	83.22%	4.599%
			Sum of corrected areas:			117703227		

Aromatic EPH 081125.M Wed Aug 27 02:07:32 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055521.D
Signal(s) : FID1B.ch
Acq On : 26 Aug 2025 23:02
Operator : YP\AJ
Sample : PB169398BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169398BSD

Integration File: sample.E
Quant Time: Aug 27 02:38:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 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...	13.516	4816457	44.794 ug/ml
Spiked Amount	50.000		Recovery =	89.59%
	Target Compounds			
1) T	n-Nonane (C9)	3.415	2508049	21.853 ug/ml
2) T	n-Decane (C10)	4.674	3085524	26.486 ug/ml
4) T	n-Dodecane (C12)	6.850	3540832	29.734 ug/ml
6) T	n-Tetradecane (C14)	8.687	3784237	30.864 ug/ml
7) T	n-Hexadecane (C16)	10.303	4083899	31.944 ug/ml
8) T	n-Octadecane (C18)	11.753	4422418	33.895 ug/ml
10) T	n-Eicosane (C20)	13.068	4916833	39.187 ug/ml
11) T	n-Heneicosane (C21)	13.682	4849420	39.341 ug/ml
13) T	n-Docosane (C22)	14.271	4872667	39.901 ug/ml
14) T	n-Tetracosane (C24)	15.378	4942758	40.636 ug/ml
15) T	n-Hexacosane (C26)	16.402	4833412	40.398 ug/ml
16) T	n-Octacosane (C28)	17.354	4778670	40.284 ug/ml
17) T	n-Tricontane (C30)	18.244	4864269	39.531 ug/ml
18) T	n-Dotriacontane (C32)	19.078	4950542	40.574 ug/ml
19) T	n-Tetratriacontane (C34)	19.864	5114692	43.746 ug/ml
20) T	n-Hexatriacontane (C36)	20.605	5271246	48.228 ug/ml
21) T	n-Octatriacontane (C38)	21.383	5588958	51.716 ug/ml
22) T	n-Tetracontane (C40)	22.372	5512667	52.715 ug/ml

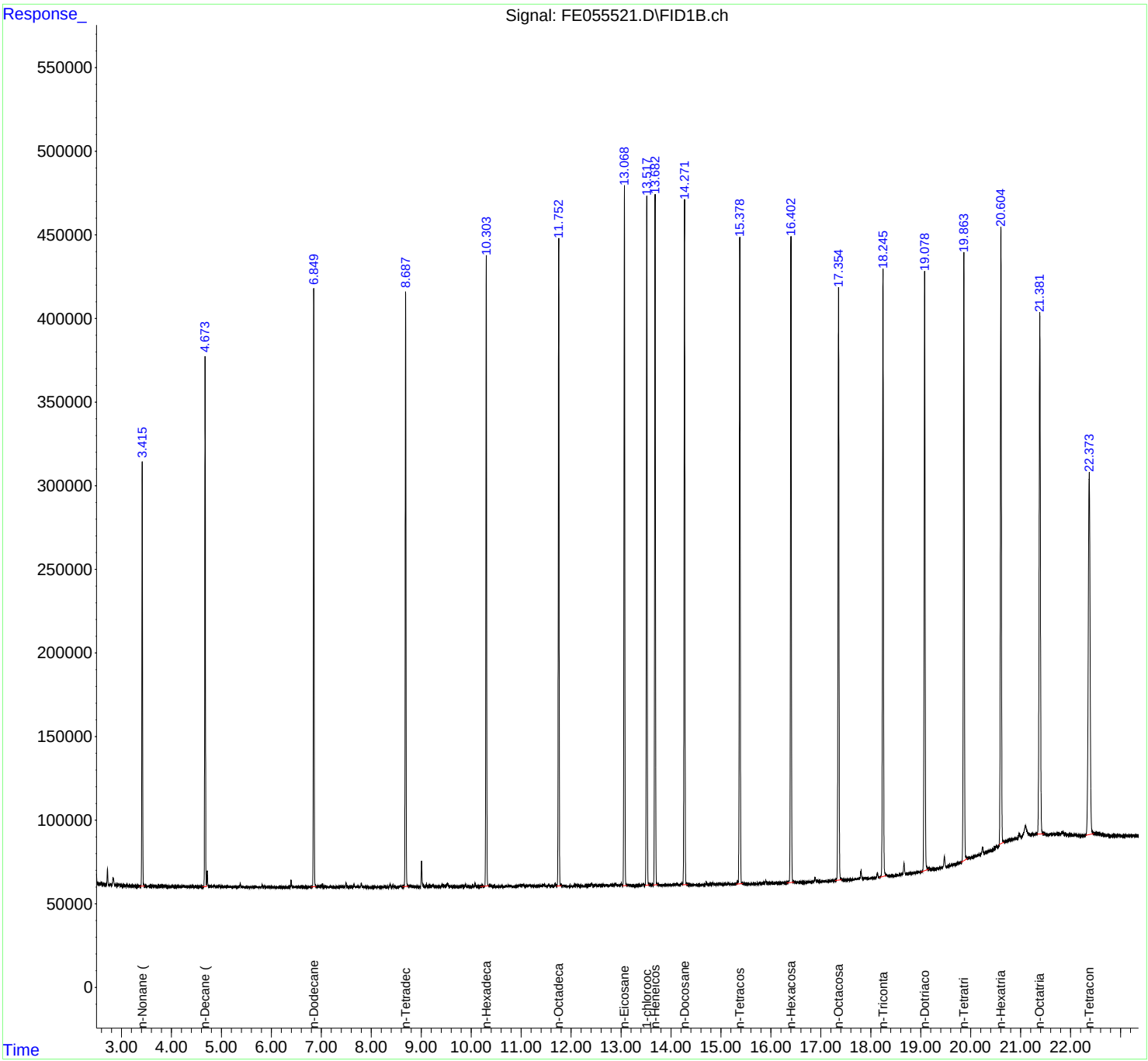
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE082625AL\
Data File : FE055521.D
Signal(s) : FID1B.ch
Acq On : 26 Aug 2025 23:02
Operator : YP\AJ
Sample : PB169398BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169398BSD

Integration File: sample.E
Quant Time: Aug 27 02:38:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 13:47:09 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_E\Data\FE082625AL\
Data File : FE055521.D
Signal(s) : FID1B.ch
Acq On : 26 Aug 2025 23:02
Sample : PB169398BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 080125.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.415	3.362	3.463	BB	253596	2508049	44.88%	2.892%
2	4.674	4.620	4.701	BV	317113	3085524	55.21%	3.557%
3	6.850	6.788	6.902	BB	358176	3540832	63.35%	4.082%
4	8.687	8.628	8.747	BB	355599	3784237	67.71%	4.363%
5	10.303	10.187	10.358	BB	378808	4083899	73.07%	4.708%
6	11.753	11.708	11.807	BB	387273	4422418	79.13%	5.099%
7	13.068	13.030	13.120	BB	419298	4916833	87.97%	5.669%
8	13.516	13.478	13.572	BB	412346	4816457	86.18%	5.553%
9	13.682	13.642	13.737	BB	412003	4849420	86.77%	5.591%
10	14.271	14.235	14.335	VB	409047	4872667	87.18%	5.618%
11	15.378	15.300	15.438	BB	388666	4942758	88.44%	5.699%
12	16.402	16.317	16.467	BB	386432	4833412	86.48%	5.572%
13	17.354	17.288	17.415	BB	355280	4778670	85.50%	5.509%
14	18.244	18.168	18.315	BB	360978	4864269	87.03%	5.608%
15	19.078	19.000	19.157	BB	359294	4950542	88.58%	5.707%
16	19.864	19.800	19.935	BB	363352	5114692	91.51%	5.897%
17	20.605	20.570	20.670	BB	367710	5271246	94.32%	6.077%
18	21.383	21.330	21.467	BB	310477	5588958	100.00%	6.444%
19	22.372	22.300	22.468	BB	213829	5512667	98.63%	6.356%
			Sum of corrected areas:			86737550		

Aliphatic EPH 080125.M Wed Aug 27 03:33:15 2025

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

Manual Integration Report

Sequence:	FD081125AR	Instrument	FID_d

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:	FD082625AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169398BS	FD049673.D	Bnezo[k]fluoranthene (C30.14)	yogesh	8/27/2025 7:16:47 AM	mohammad	8/29/2025 1:47:52	Peak Integrated by Software
PB169398BSD	FD049674.D	Bnezo[k]fluoranthene (C30.14)	yogesh	8/27/2025 7:16:49 AM	mohammad	8/29/2025 1:47:52	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD082725AR	Instrument	FID_d

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:	FE080125AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2741-01	FE055114.D	ortho-Terphenyl (SURR)	yogesh	8/4/2025 7:39:52 AM	mohammad	8/5/2025 1:59:38	Peak Integrated by Software
Q2741-02	FE055115.D	ortho-Terphenyl (SURR)	yogesh	8/4/2025 7:39:54 AM	mohammad	8/5/2025 1:59:38	Peak Integrated by Software
Q2734-01	FE055116.D	ortho-Terphenyl (SURR)	yogesh	8/4/2025 7:39:55 AM	mohammad	8/5/2025 1:59:38	Peak Integrated by Software
20 PPM ALIPHATIC HC	FE055118.D	n-Tetracontane (C40)	yogesh	8/4/2025 7:39:57 AM	mohammad	8/5/2025 1:59:38	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FE082625AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2947-03DL	FE055501.D	ortho-Terphenyl (SURR)	yogesh	8/27/2025 7:18:39 AM	mohammad	8/28/2025 2:08:13	Peak Integrated by Software
Q2947-03DL2	FE055502.D	ortho-Terphenyl (SURR)	yogesh	8/27/2025 7:18:40 AM	mohammad	8/28/2025 2:08:13	Peak Integrated by Software
Q2955-01	FE055516.D	1-chlorooctadecane (SURR)	yogesh	8/27/2025 7:18:42 AM	mohammad	8/28/2025 2:08:13	Peak Integrated by Software
Q2955-01	FE055516.D	ortho-Terphenyl (SURR)	yogesh	8/27/2025 7:18:42 AM	mohammad	8/28/2025 2:08:13	Peak Integrated by Software

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD081125AR

Review By	yogesh	Review On	8/11/2025 12:27:21 PM		
Supervise By	mohammad	Supervise On	8/13/2025 1:17:39 AM		
SubDirectory	FD081125AR	HP Acquire Method		HP Processing Method	FD081125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049603.D	11 Aug 2025 08:46	YP/AJ	Ok
2	I.BLK	FD049604.D	11 Aug 2025 09:29	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049605.D	11 Aug 2025 10:39	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD049606.D	11 Aug 2025 11:22	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049607.D	11 Aug 2025 12:06	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049608.D	11 Aug 2025 12:51	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD049609.D	11 Aug 2025 13:35	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD049610.D	11 Aug 2025 14:20	YP/AJ	Ok
9	I.BLK	FD049611.D	11 Aug 2025 15:05	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049612.D	11 Aug 2025 15:52	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD082625AR

Review By	yogesh	Review On	8/27/2025 8:14:35 AM		
Supervise By	mohammad	Supervise On	8/29/2025 1:47:52 AM		
SubDirectory	FD082625AR	HP Acquire Method		HP Processing Method	FD081125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049668.D	26 Aug 2025 07:45	YP/AJ	Ok
2	I.BLK	FD049669.D	26 Aug 2025 08:25	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049670.D	26 Aug 2025 11:12	YP/AJ	Ok
4	Q2940-01	FD049671.D	26 Aug 2025 14:51	YP/AJ	Ok
5	PB169398BL	FD049672.D	26 Aug 2025 15:36	YP/AJ	Ok
6	PB169398BS	FD049673.D	26 Aug 2025 16:21	YP/AJ	Ok,M
7	PB169398BSD	FD049674.D	26 Aug 2025 17:07	YP/AJ	Ok,M
8	Q2954-11	FD049675.D	26 Aug 2025 17:52	YP/AJ	Ok
9	Q2934-01	FD049676.D	26 Aug 2025 18:38	YP/AJ	Ok
10	Q2934-02	FD049677.D	26 Aug 2025 19:23	YP/AJ	Ok
11	Q2934-03	FD049678.D	26 Aug 2025 20:08	YP/AJ	Ok
12	Q2934-04	FD049679.D	26 Aug 2025 20:51	YP/AJ	ReRun
13	I.BLK	FD049680.D	26 Aug 2025 22:18	YP/AJ	Ok
14	20 PPM AROMATIC HC STD	FD049681.D	26 Aug 2025 23:00	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD082725AR

Review By	yogesh	Review On	8/27/2025 9:45:15 AM		
Supervise By	mohammad	Supervise On	8/29/2025 1:50:01 AM		
SubDirectory	FD082725AR	HP Acquire Method		HP Processing Method	FD081125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049682.D	27 Aug 2025 07:26	YP/AJ	Ok
2	I.BLK	FD049683.D	27 Aug 2025 08:05	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049684.D	27 Aug 2025 08:47	YP/AJ	Ok
4	Q2934-04	FD049685.D	27 Aug 2025 09:29	YP/AJ	Ok
5	I.BLK	FD049686.D	27 Aug 2025 10:12	YP/AJ	Ok
6	20 PPM AROMATIC HC STD	FD049687.D	27 Aug 2025 10:56	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE080125AL

Review By	yogesh	Review On	8/1/2025 10:51:38 AM		
Supervise By	mohammad	Supervise On	8/5/2025 1:59:38 AM		
SubDirectory	FE080125AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE055100.D	01 Aug 2025 10:24	YP\AJ	Ok
2	I.BLK	FE055101.D	01 Aug 2025 10:54	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE055102.D	01 Aug 2025 11:24	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE055103.D	01 Aug 2025 11:54	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE055104.D	01 Aug 2025 12:25	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE055105.D	01 Aug 2025 12:55	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE055106.D	01 Aug 2025 13:25	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE055107.D	01 Aug 2025 13:55	YP\AJ	Ok
9	I.BLK	FE055108.D	01 Aug 2025 14:25	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE055109.D	01 Aug 2025 14:55	YP\AJ	Ok
11	PB169089BL	FE055110.D	01 Aug 2025 16:36	YP\AJ	Ok
12	PB169089BS	FE055111.D	01 Aug 2025 17:07	YP\AJ	Ok
13	PB169089BSD	FE055112.D	01 Aug 2025 17:37	YP\AJ	Ok
14	Q2740-02	FE055113.D	01 Aug 2025 18:07	YP\AJ	Ok
15	Q2741-01	FE055114.D	01 Aug 2025 18:37	YP\AJ	Ok,M
16	Q2741-02	FE055115.D	01 Aug 2025 19:07	YP\AJ	Ok,M
17	Q2734-01	FE055116.D	01 Aug 2025 19:38	YP\AJ	Dilution
18	I.BLK	FE055117.D	01 Aug 2025 20:08	YP\AJ	Ok
19	20 PPM ALIPHATIC HC STD	FE055118.D	01 Aug 2025 20:38	YP\AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE082625AL

Review By	yogesh	Review On	8/26/2025 11:12:08 AM		
Supervise By	mohammad	Supervise On	8/28/2025 2:08:13 AM		
SubDirectory	FE082625AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE055491.D	26 Aug 2025 06:05	YP\AJ	Ok
2	I.BLK	FE055492.D	26 Aug 2025 06:35	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE055493.D	26 Aug 2025 07:05	YP\AJ	Ok
4	Q2926-01DL	FE055494.D	26 Aug 2025 07:52	YP\AJ	Ok
5	Q2926-02DL	FE055495.D	26 Aug 2025 08:22	YP\AJ	Ok
6	Q2932-01DL	FE055496.D	26 Aug 2025 08:52	YP\AJ	Ok
7	Q2947-01DL	FE055497.D	26 Aug 2025 09:22	YP\AJ	Dilution
8	Q2947-01DL2	FE055498.D	26 Aug 2025 09:53	YP\AJ	Ok
9	Q2947-02DL	FE055499.D	26 Aug 2025 10:23	YP\AJ	Dilution
10	Q2847-02DL2	FE055500.D	26 Aug 2025 10:53	YP\AJ	Not Ok
11	Q2947-03DL	FE055501.D	26 Aug 2025 11:23	YP\AJ	Dilution
12	Q2947-03DL2	FE055502.D	26 Aug 2025 11:54	YP\AJ	Ok,M
13	Q2947-04DL	FE055503.D	26 Aug 2025 12:24	YP\AJ	Dilution
14	Q2947-04DL2	FE055504.D	26 Aug 2025 12:54	YP\AJ	Ok
15	I.BLK	FE055505.D	26 Aug 2025 13:55	YP\AJ	Ok
16	20 PPM ALIPHATIC HC STD	FE055506.D	26 Aug 2025 14:25	YP\AJ	Ok
17	Q2940-01	FE055507.D	26 Aug 2025 14:56	YP\AJ	Ok
18	Q2954-02	FE055508.D	26 Aug 2025 15:26	YP\AJ	Ok
19	Q2954-03	FE055509.D	26 Aug 2025 15:57	YP\AJ	Ok
20	Q2954-11	FE055510.D	26 Aug 2025 16:27	YP\AJ	Ok
21	Q2954-04	FE055511.D	26 Aug 2025 16:58	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE082625AL

Review By	yogesh	Review On	8/26/2025 11:12:08 AM		
Supervise By	mohammad	Supervise On	8/28/2025 2:08:13 AM		
SubDirectory	FE082625AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2954-06	FE055512.D	26 Aug 2025 17:28	YP\AJ	Ok
23	Q2954-07	FE055513.D	26 Aug 2025 17:59	YP\AJ	Ok
24	Q2954-08	FE055514.D	26 Aug 2025 18:29	YP\AJ	Ok
25	Q2954-09	FE055515.D	26 Aug 2025 18:59	YP\AJ	Ok
26	Q2955-01	FE055516.D	26 Aug 2025 19:30	YP\AJ	Dilution
27	I.BLK	FE055517.D	26 Aug 2025 20:31	YP\AJ	Ok
28	20 PPM ALIPHATIC HC STD	FE055518.D	26 Aug 2025 21:01	YP\AJ	Ok
29	PB169398BL	FE055519.D	26 Aug 2025 22:02	YP\AJ	Ok
30	PB169398BS	FE055520.D	26 Aug 2025 22:32	YP\AJ	Ok
31	PB169398BSD	FE055521.D	26 Aug 2025 23:02	YP\AJ	Ok
32	Q2934-01	FE055522.D	26 Aug 2025 23:32	YP\AJ	Ok
33	Q2934-02	FE055523.D	27 Aug 2025 00:03	YP\AJ	Ok
34	Q2934-03	FE055524.D	27 Aug 2025 00:33	YP\AJ	Ok
35	Q2934-04	FE055525.D	27 Aug 2025 01:03	YP\AJ	Ok
36	I.BLK	FE055526.D	27 Aug 2025 02:04	YP\AJ	Ok
37	20 PPM ALIPHATIC HC STD	FE055527.D	27 Aug 2025 02:34	YP\AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD081125AR

Review By	yogesh	Review On	8/11/2025 12:27:21 PM		
Supervise By	mohammad	Supervise On	8/13/2025 1:17:39 AM		
SubDirectory	FD081125AR	HP Acquire Method		HP Processing Method	FD081125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049603.D	11 Aug 2025 08:46		YP/AJ	Ok
2	I.BLK	I.BLK	FD049604.D	11 Aug 2025 09:29		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD049605.D	11 Aug 2025 10:39		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049606.D	11 Aug 2025 11:22		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049607.D	11 Aug 2025 12:06		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049608.D	11 Aug 2025 12:51		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049609.D	11 Aug 2025 13:35		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049610.D	11 Aug 2025 14:20		YP/AJ	Ok
9	I.BLK	I.BLK	FD049611.D	11 Aug 2025 15:05		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049612.D	11 Aug 2025 15:52		YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD082625AR

Review By	yogesh	Review On	8/27/2025 8:14:35 AM		
Supervise By	mohammad	Supervise On	8/29/2025 1:47:52 AM		
SubDirectory	FD082625AR	HP Acquire Method		HP Processing Method	FD081125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049668.D	26 Aug 2025 07:45		YP/AJ	Ok
2	I.BLK	I.BLK	FD049669.D	26 Aug 2025 08:25		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049670.D	26 Aug 2025 11:12		YP/AJ	Ok
4	Q2940-01	COMP(1-6)	FD049671.D	26 Aug 2025 14:51		YP/AJ	Ok
5	PB169398BL	PB169398BL	FD049672.D	26 Aug 2025 15:36		YP/AJ	Ok
6	PB169398BS	PB169398BS	FD049673.D	26 Aug 2025 16:21	naphthalene break down - 0.172, 2-methylnephthalene break down - 0.074	YP/AJ	Ok,M
7	PB169398BSD	PB169398BSD	FD049674.D	26 Aug 2025 17:07	naphthalene break down - 0.887, 2-methylnephthalene break down - 0.054	YP/AJ	Ok,M
8	Q2954-11	BRIDGE	FD049675.D	26 Aug 2025 17:52		YP/AJ	Ok
9	Q2934-01	ENV-SW01	FD049676.D	26 Aug 2025 18:38		YP/AJ	Ok
10	Q2934-02	ENV-SW02	FD049677.D	26 Aug 2025 19:23		YP/AJ	Ok
11	Q2934-03	ENV-SW03	FD049678.D	26 Aug 2025 20:08		YP/AJ	Ok
12	Q2934-04	Q2934-04	FD049679.D	26 Aug 2025 20:51	Surrogate Fail	YP/AJ	ReRun
13	I.BLK	I.BLK	FD049680.D	26 Aug 2025 22:18		YP/AJ	Ok
14	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049681.D	26 Aug 2025 23:00		YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD082725AR

Review By	yogesh	Review On	8/27/2025 9:45:15 AM		
Supervise By	mohammad	Supervise On	8/29/2025 1:50:01 AM		
SubDirectory	FD082725AR	HP Acquire Method		HP Processing Method	FD081125AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24500,PP24502,PP24503,PP24504,PP24505
CCC	PP24503
Internal Standard/PEM	
ICV/I.BLK	PP24501,PP24506
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049682.D	27 Aug 2025 07:26		YP/AJ	Ok
2	I.BLK	I.BLK	FD049683.D	27 Aug 2025 08:05		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049684.D	27 Aug 2025 08:47		YP/AJ	Ok
4	Q2934-04	ENV-SW04	FD049685.D	27 Aug 2025 09:29		YP/AJ	Ok
5	I.BLK	I.BLK	FD049686.D	27 Aug 2025 10:12		YP/AJ	Ok
6	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049687.D	27 Aug 2025 10:56		YP/AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE080125AL

Review By	yogesh	Review On	8/1/2025 10:51:38 AM		
Supervise By	mohammad	Supervise On	8/5/2025 1:59:38 AM		
SubDirectory	FE080125AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE055100.D	01 Aug 2025 10:24		YP\AJ	Ok
2	I.BLK	I.BLK	FE055101.D	01 Aug 2025 10:54		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE055102.D	01 Aug 2025 11:24		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE055103.D	01 Aug 2025 11:54		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055104.D	01 Aug 2025 12:25		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE055105.D	01 Aug 2025 12:55		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE055106.D	01 Aug 2025 13:25		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055107.D	01 Aug 2025 13:55		YP\AJ	Ok
9	I.BLK	I.BLK	FE055108.D	01 Aug 2025 14:25		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055109.D	01 Aug 2025 14:55		YP\AJ	Ok
11	PB169089BL	PB169089BL	FE055110.D	01 Aug 2025 16:36		YP\AJ	Ok
12	PB169089BS	PB169089BS	FE055111.D	01 Aug 2025 17:07		YP\AJ	Ok
13	PB169089BSD	PB169089BSD	FE055112.D	01 Aug 2025 17:37		YP\AJ	Ok
14	Q2740-02	OR-02-07312025-E2	FE055113.D	01 Aug 2025 18:07		YP\AJ	Ok
15	Q2741-01	TR-05-07312025	FE055114.D	01 Aug 2025 18:37		YP\AJ	Ok,M
16	Q2741-02	TR-05-07312025-E2	FE055115.D	01 Aug 2025 19:07		YP\AJ	Ok,M
17	Q2734-01	VNJ-253	FE055116.D	01 Aug 2025 19:38	Need 2X	YP\AJ	Dilution
18	I.BLK	I.BLK	FE055117.D	01 Aug 2025 20:08		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE080125AL

Review By	yogesh	Review On	8/1/2025 10:51:38 AM		
Supervise By	mohammad	Supervise On	8/5/2025 1:59:38 AM		
SubDirectory	FE080125AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055118.D	01 Aug 2025 20:38		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE082625AL

Review By	yogesh	Review On	8/26/2025 11:12:08 AM		
Supervise By	mohammad	Supervise On	8/28/2025 2:08:13 AM		
SubDirectory	FE082625AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE055491.D	26 Aug 2025 06:05		YP\AJ	Ok
2	I.BLK	I.BLK	FE055492.D	26 Aug 2025 06:35		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055493.D	26 Aug 2025 07:05		YP\AJ	Ok
4	Q2926-01DL	TR-04-08212025DL	FE055494.D	26 Aug 2025 07:52		YP\AJ	Ok
5	Q2926-02DL	TR-04-08212025DL	FE055495.D	26 Aug 2025 08:22		YP\AJ	Ok
6	Q2932-01DL	ARS20-0009DL	FE055496.D	26 Aug 2025 08:52		YP\AJ	Ok
7	Q2947-01DL	291DL	FE055497.D	26 Aug 2025 09:22	Need 100X	YP\AJ	Dilution
8	Q2947-01DL2	291DL2	FE055498.D	26 Aug 2025 09:53		YP\AJ	Ok
9	Q2947-02DL	291-E2DL	FE055499.D	26 Aug 2025 10:23	Need 100X	YP\AJ	Dilution
10	Q2847-02DL2	BUR-25-0070DL2	FE055500.D	26 Aug 2025 10:53	Dilution error	YP\AJ	Not Ok
11	Q2947-03DL	235DL	FE055501.D	26 Aug 2025 11:23	Need 20X	YP\AJ	Dilution
12	Q2947-03DL2	235DL2	FE055502.D	26 Aug 2025 11:54		YP\AJ	Ok,M
13	Q2947-04DL	235-E2DL	FE055503.D	26 Aug 2025 12:24	Need 100X	YP\AJ	Dilution
14	Q2947-04DL2	235-E2DL2	FE055504.D	26 Aug 2025 12:54		YP\AJ	Ok
15	I.BLK	I.BLK	FE055505.D	26 Aug 2025 13:55		YP\AJ	Ok
16	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055506.D	26 Aug 2025 14:25		YP\AJ	Ok
17	Q2940-01	COMP(1-6)	FE055507.D	26 Aug 2025 14:56		YP\AJ	Ok
18	Q2954-02	BRIDGE-NORTH-A	FE055508.D	26 Aug 2025 15:26		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE082625AL

Review By	yogesh	Review On	8/26/2025 11:12:08 AM		
Supervise By	mohammad	Supervise On	8/28/2025 2:08:13 AM		
SubDirectory	FE082625AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2954-03	BRIDGE-NORTH-B	FE055509.D	26 Aug 2025 15:57		YP\AJ	Ok
20	Q2954-11	BRIDGE	FE055510.D	26 Aug 2025 16:27		YP\AJ	Ok
21	Q2954-04	BRIDGE-NORTH-C	FE055511.D	26 Aug 2025 16:58		YP\AJ	Ok
22	Q2954-06	BRIDGE-SOUTH	FE055512.D	26 Aug 2025 17:28		YP\AJ	Ok
23	Q2954-07	BRIDGE-SOUTH-A	FE055513.D	26 Aug 2025 17:59		YP\AJ	Ok
24	Q2954-08	BRIDGE-SOUTH-B	FE055514.D	26 Aug 2025 18:29		YP\AJ	Ok
25	Q2954-09	BRIDGE-SOUTH-C	FE055515.D	26 Aug 2025 18:59		YP\AJ	Ok
26	Q2955-01	OILY-GRAVEL	FE055516.D	26 Aug 2025 19:30	Need 100X	YP\AJ	Dilution
27	I.BLK	I.BLK	FE055517.D	26 Aug 2025 20:31		YP\AJ	Ok
28	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055518.D	26 Aug 2025 21:01		YP\AJ	Ok
29	PB169398BL	PB169398BL	FE055519.D	26 Aug 2025 22:02		YP\AJ	Ok
30	PB169398BS	PB169398BS	FE055520.D	26 Aug 2025 22:32	naphthalene break down - 0.172, 2-methylnephthalene break down - 0.074	YP\AJ	Ok
31	PB169398BSD	PB169398BSD	FE055521.D	26 Aug 2025 23:02	naphthalene break down - 0.887, 2-methylnephthalene break down - 0.054	YP\AJ	Ok
32	Q2934-01	ENV-SW01	FE055522.D	26 Aug 2025 23:32		YP\AJ	Ok
33	Q2934-02	ENV-SW02	FE055523.D	27 Aug 2025 00:03		YP\AJ	Ok
34	Q2934-03	ENV-SW03	FE055524.D	27 Aug 2025 00:33		YP\AJ	Ok
35	Q2934-04	ENV-SW04	FE055525.D	27 Aug 2025 01:03		YP\AJ	Ok
36	I.BLK	I.BLK	FE055526.D	27 Aug 2025 02:04		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE082625AL

Review By	yogesh	Review On	8/26/2025 11:12:08 AM		
Supervise By	mohammad	Supervise On	8/28/2025 2:08:13 AM		
SubDirectory	FE082625AL	HP Acquire Method		HP Processing Method	FE080125AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773
CCC	PP24771
Internal Standard/PEM	
ICV/I.BLK	PP24769,PP24774
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055527.D	27 Aug 2025 02:34		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169398

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3953

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 08/25/2025

Extraction Start Time : 15:00

Extraction End Date : 08/26/2025

Extraction End Time : 11:15

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	100 PPM	PP24767
Surrogate	1.0ML	100 PPM	PP24866
Fractionation Surrogate	1.0ML	100 PPM	PP24801
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3964
Baked Na2SO4	N/A	EP2632
Hexane	N/A	E3966
6N HCL	N/A	EP2635
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/26/25	RS (Ext lab)	RS/PCB Lab
11:20	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169398

Analytical Method: MNJDEP-EPH-8

Concentration Date: 08/26/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169398BL	PB169398BL	EPH	1000	<2	RUPESH	ritesh	2			SEP-1
PB169398BS	PB169398BS	EPH	1000	<2	RUPESH	ritesh	2			2
PB169398BSD	PB169398BSD	EPH	1000	<2	RUPESH	ritesh	2			3
Q2934-01	ENV-SW01	EPH	1000	<2	RUPESH	ritesh	2	H		4
Q2934-02	ENV-SW02	EPH	1000	<2	RUPESH	ritesh	2	H		5
Q2934-03	ENV-SW03	EPH	990	<2	RUPESH	ritesh	2	H		6
Q2934-04	ENV-SW04	EPH	1000	<2	RUPESH	ritesh	2	H		7
Q2940-01	COMP(1-6)	EPH	1000	<2	RUPESH	ritesh	2	N		8
Q2954-11	BRIDGE	EPH	990	<2	RUPESH	ritesh	2	S		9

RS 8/26

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

Q2934 69398 15:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2934 **WorkList ID :** 191488 **Department :** Extraction **Date :** 08-25-2025 14:51:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2934-01	ENV-SW01	Water	EPH	1:1 HCl to pH < 2	PORT06	D41	08/21/2025	NJEPH
Q2934-02	ENV-SW02	Water	EPH	1:1 HCl to pH < 2	PORT06	D41	08/21/2025	NJEPH
Q2934-03	ENV-SW03	Water	EPH	1:1 HCl to pH < 2	PORT06	D41	08/21/2025	NJEPH
Q2934-04	ENV-SW04	Water	EPH	1:1 HCl to pH < 2	PORT06	D41	08/21/2025	NJEPH
Q2940-01	COMP(1-6)	Water	EPH	1:1 HCl to pH < 2	PSEG03	D21	08/22/2025	NJEPH
Q2954-11	BRIDGE	Water	EPH	1:1 HCl to pH < 2	PSEG03	D41	08/25/2025	NJEPH

644 of 746

Date/Time 8/25/25 14:55
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by: SH

Date/Time 8/25/25 15:30
Raw Sample Received by: SH
Raw Sample Relinquished by: RS (Ext Lab)

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LAB CHRONICLE

OrderID:	Q2934	**OrderDate:**	8/21/2025 2:34:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2934-01	**ENV-SW01**	**WATER**			**08/21/25**			**08/21/25**
			PCB	8082A		08/22/25	08/23/25	
			EPH	NJEPH		08/25/25	08/26/25	
Q2934-02	**ENV-SW02**	**Water**			**08/21/25**			**08/21/25**
			EPH	NJEPH		08/25/25	08/26/25	
			EPH	NJEPH		08/25/25	08/27/25	
			PCB	8082A		08/22/25	08/23/25	
Q2934-03	**ENV-SW03**	**Water**			**08/21/25**			**08/21/25**
			EPH	NJEPH		08/25/25	08/26/25	
			EPH	NJEPH		08/25/25	08/27/25	
			PCB	8082A		08/22/25	08/23/25	
Q2934-04	**ENV-SW04**	**Water**			**08/21/25**			**08/21/25**
			EPH	NJEPH		08/25/25	08/27/25	
			PCB	8082A		08/22/25	08/23/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2934 **Order ID:** Q2934

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : ENV-SW01								
Q2934-01	ENV-SW01	Water	Aluminum	145		5.67	50.0	ug/L
Q2934-01	ENV-SW01	Water	Antimony	5.82	J	3.38	25.0	ug/L
Q2934-01	ENV-SW01	Water	Arsenic	4.22	J	2.56	10.0	ug/L
Q2934-01	ENV-SW01	Water	Barium	148		7.28	50.0	ug/L
Q2934-01	ENV-SW01	Water	Calcium	37200		117	1000	ug/L
Q2934-01	ENV-SW01	Water	Chromium	2.29	J	1.06	5.00	ug/L
Q2934-01	ENV-SW01	Water	Copper	7.23	J	2.30	10.0	ug/L
Q2934-01	ENV-SW01	Water	Iron	2180		11.7	50.0	ug/L
Q2934-01	ENV-SW01	Water	Lead	16.3		1.15	6.00	ug/L
Q2934-01	ENV-SW01	Water	Magnesium	13900		122	1000	ug/L
Q2934-01	ENV-SW01	Water	Manganese	427		2.97	10.0	ug/L
Q2934-01	ENV-SW01	Water	Nickel	7.17	J	1.53	20.0	ug/L
Q2934-01	ENV-SW01	Water	Potassium	24100		459	1000	ug/L
Q2934-01	ENV-SW01	Water	Sodium	54300		434	1000	ug/L
Q2934-01	ENV-SW01	Water	Vanadium	6.01	J	3.13	20.0	ug/L
Q2934-01	ENV-SW01	Water	Zinc	12.9	J	8.33	20.0	ug/L
Client ID : ENV-SW02								
Q2934-02	ENV-SW02	Water	Aluminum	182		5.67	50.0	ug/L
Q2934-02	ENV-SW02	Water	Antimony	6.48	J	3.38	25.0	ug/L
Q2934-02	ENV-SW02	Water	Arsenic	4.50	J	2.56	10.0	ug/L
Q2934-02	ENV-SW02	Water	Barium	169		7.28	50.0	ug/L
Q2934-02	ENV-SW02	Water	Calcium	37200		117	1000	ug/L
Q2934-02	ENV-SW02	Water	Chromium	2.47	J	1.06	5.00	ug/L
Q2934-02	ENV-SW02	Water	Copper	9.63	J	2.30	10.0	ug/L
Q2934-02	ENV-SW02	Water	Iron	2360		11.7	50.0	ug/L
Q2934-02	ENV-SW02	Water	Lead	16.5		1.15	6.00	ug/L
Q2934-02	ENV-SW02	Water	Magnesium	13500		122	1000	ug/L
Q2934-02	ENV-SW02	Water	Manganese	467		2.97	10.0	ug/L
Q2934-02	ENV-SW02	Water	Mercury	0.091	J	0.076	0.20	ug/L
Q2934-02	ENV-SW02	Water	Nickel	7.09	J	1.53	20.0	ug/L
Q2934-02	ENV-SW02	Water	Potassium	23300		459	1000	ug/L
Q2934-02	ENV-SW02	Water	Sodium	52600		434	1000	ug/L
Q2934-02	ENV-SW02	Water	Vanadium	5.44	J	3.13	20.0	ug/L
Q2934-02	ENV-SW02	Water	Zinc	14.9	J	8.33	20.0	ug/L
Client ID : ENV-SW03								
Q2934-03	ENV-SW03	Water	Aluminum	329		5.67	50.0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2934 **Order ID:** Q2934

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2934-03	ENV-SW03	Water	Antimony	6.29	J	3.38	25.0	ug/L
Q2934-03	ENV-SW03	Water	Arsenic	4.40	J	2.56	10.0	ug/L
Q2934-03	ENV-SW03	Water	Barium	234		7.28	50.0	ug/L
Q2934-03	ENV-SW03	Water	Calcium	39300		117	1000	ug/L
Q2934-03	ENV-SW03	Water	Chromium	4.02	J	1.06	5.00	ug/L
Q2934-03	ENV-SW03	Water	Copper	9.65	J	2.30	10.0	ug/L
Q2934-03	ENV-SW03	Water	Iron	2140		11.7	50.0	ug/L
Q2934-03	ENV-SW03	Water	Lead	18.6		1.15	6.00	ug/L
Q2934-03	ENV-SW03	Water	Magnesium	13200		122	1000	ug/L
Q2934-03	ENV-SW03	Water	Manganese	376		2.97	10.0	ug/L
Q2934-03	ENV-SW03	Water	Mercury	0.11	J	0.076	0.20	ug/L
Q2934-03	ENV-SW03	Water	Nickel	7.77	J	1.53	20.0	ug/L
Q2934-03	ENV-SW03	Water	Potassium	22800		459	1000	ug/L
Q2934-03	ENV-SW03	Water	Sodium	50400		434	1000	ug/L
Q2934-03	ENV-SW03	Water	Vanadium	6.10	J	3.13	20.0	ug/L
Q2934-03	ENV-SW03	Water	Zinc	16.6	J	8.33	20.0	ug/L
Client ID :	**ENV-SW04**							
Q2934-04	ENV-SW04	Water	Aluminum	184		5.67	50.0	ug/L
Q2934-04	ENV-SW04	Water	Antimony	3.86	J	3.38	25.0	ug/L
Q2934-04	ENV-SW04	Water	Barium	164		7.28	50.0	ug/L
Q2934-04	ENV-SW04	Water	Calcium	98700		117	1000	ug/L
Q2934-04	ENV-SW04	Water	Chromium	4.89	J	1.06	5.00	ug/L
Q2934-04	ENV-SW04	Water	Copper	2.39	J	2.30	10.0	ug/L
Q2934-04	ENV-SW04	Water	Iron	666		11.7	50.0	ug/L
Q2934-04	ENV-SW04	Water	Lead	3.11	J	1.15	6.00	ug/L
Q2934-04	ENV-SW04	Water	Magnesium	249000		122	1000	ug/L
Q2934-04	ENV-SW04	Water	Manganese	194		2.97	10.0	ug/L
Q2934-04	ENV-SW04	Water	Mercury	0.14	J	0.076	0.20	ug/L
Q2934-04	ENV-SW04	Water	Nickel	4.89	J	1.53	20.0	ug/L
Q2934-04	ENV-SW04	Water	Potassium	145000		459	1000	ug/L
Q2934-04	ENV-SW04	Water	Sodium	2260000	D	868	2000	ug/L
Q2934-04	ENV-SW04	Water	Vanadium	7.19	J	3.13	20.0	ug/L
Q2934-04	ENV-SW04	Water	Zinc	11.9	J	8.33	20.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	145		1	5.67	50.0	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-36-0	Antimony	5.82	J	1	3.38	25.0	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-38-2	Arsenic	4.22	J	1	2.56	10.0	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-39-3	Barium	148		1	7.28	50.0	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-70-2	Calcium	37200		1	117	1000	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-47-3	Chromium	2.29	J	1	1.06	5.00	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-48-4	Cobalt	1.13	U	1	1.13	15.0	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-50-8	Copper	7.23	J	1	2.30	10.0	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7439-89-6	Iron	2180		1	11.7	50.0	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7439-92-1	Lead	16.3		1	1.15	6.00	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7439-95-4	Magnesium	13900		1	122	1000	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7439-96-5	Manganese	427		1	2.97	10.0	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	08/26/25 15:05	08/27/25 10:24	7470A	
7440-02-0	Nickel	7.17	J	1	1.53	20.0	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-09-7	Potassium	24100		1	459	1000	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-22-4	Silver	0.81	UN*	1	0.81	5.00	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-23-5	Sodium	54300		1	434	1000	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-62-2	Vanadium	6.01	J	1	3.13	20.0	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010
7440-66-6	Zinc	12.9	J	1	8.33	20.0	ug/L	08/22/25 10:30	08/22/25 15:03	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	182		1	5.67	50.0	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-36-0	Antimony	6.48	J	1	3.38	25.0	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-38-2	Arsenic	4.50	J	1	2.56	10.0	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-39-3	Barium	169		1	7.28	50.0	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-70-2	Calcium	37200		1	117	1000	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-47-3	Chromium	2.47	J	1	1.06	5.00	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-48-4	Cobalt	1.13	U	1	1.13	15.0	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-50-8	Copper	9.63	J	1	2.30	10.0	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7439-89-6	Iron	2360		1	11.7	50.0	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7439-92-1	Lead	16.5		1	1.15	6.00	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7439-95-4	Magnesium	13500		1	122	1000	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7439-96-5	Manganese	467		1	2.97	10.0	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7439-97-6	Mercury	0.091	J	1	0.076	0.20	ug/L	08/26/25 15:05	08/27/25 10:26	7470A	
7440-02-0	Nickel	7.09	J	1	1.53	20.0	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-09-7	Potassium	23300		1	459	1000	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-22-4	Silver	0.81	UN*	1	0.81	5.00	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-23-5	Sodium	52600		1	434	1000	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-62-2	Vanadium	5.44	J	1	3.13	20.0	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010
7440-66-6	Zinc	14.9	J	1	8.33	20.0	ug/L	08/22/25 10:30	08/25/25 13:22	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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Q = indicates LCS control criteria did not meet requirements

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* = 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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	329		1	5.67	50.0	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-36-0	Antimony	6.29	J	1	3.38	25.0	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-38-2	Arsenic	4.40	J	1	2.56	10.0	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-39-3	Barium	234		1	7.28	50.0	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-70-2	Calcium	39300		1	117	1000	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-47-3	Chromium	4.02	J	1	1.06	5.00	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-48-4	Cobalt	1.13	U	1	1.13	15.0	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-50-8	Copper	9.65	J	1	2.30	10.0	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7439-89-6	Iron	2140		1	11.7	50.0	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7439-92-1	Lead	18.6		1	1.15	6.00	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7439-95-4	Magnesium	13200		1	122	1000	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7439-96-5	Manganese	376		1	2.97	10.0	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7439-97-6	Mercury	0.11	J	1	0.076	0.20	ug/L	08/26/25 15:05	08/27/25 10:28	7470A	
7440-02-0	Nickel	7.77	J	1	1.53	20.0	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-09-7	Potassium	22800		1	459	1000	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-22-4	Silver	0.81	UN*	1	0.81	5.00	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-23-5	Sodium	50400		1	434	1000	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-62-2	Vanadium	6.10	J	1	3.13	20.0	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010
7440-66-6	Zinc	16.6	J	1	8.33	20.0	ug/L	08/22/25 10:30	08/22/25 15:07	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	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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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	184		1	5.67	50.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-36-0	Antimony	3.86	J	1	3.38	25.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-38-2	Arsenic	2.56	U	1	2.56	10.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-39-3	Barium	164		1	7.28	50.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-41-7	Beryllium	0.28	U	1	0.28	3.00	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-70-2	Calcium	98700		1	117	1000	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-47-3	Chromium	4.89	J	1	1.06	5.00	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-48-4	Cobalt	1.13	U	1	1.13	15.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-50-8	Copper	2.39	J	1	2.30	10.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7439-89-6	Iron	666		1	11.7	50.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7439-92-1	Lead	3.11	J	1	1.15	6.00	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7439-95-4	Magnesium	249000		1	122	1000	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7439-96-5	Manganese	194		1	2.97	10.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7439-97-6	Mercury	0.14	J	1	0.076	0.20	ug/L	08/26/25 15:05	08/27/25 10:30	7470A	
7440-02-0	Nickel	4.89	J	1	1.53	20.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-09-7	Potassium	145000		1	459	1000	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7782-49-2	Selenium	4.82	U	1	4.82	10.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-22-4	Silver	0.81	UN*	1	0.81	5.00	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-23-5	Sodium	2260000	D	2	868	2000	ug/L	08/22/25 10:30	08/25/25 13:17	6010D	SW3010
7440-28-0	Thallium	2.19	U	1	2.19	20.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-62-2	Vanadium	7.19	J	1	3.13	20.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010
7440-66-6	Zinc	11.9	J	1	8.33	20.0	ug/L	08/22/25 10:30	08/22/25 15:26	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	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

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB07	Mercury	0.076	+/-0.2	U	0.20	CV	08/27/2025	10:05	LB136975

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB18	Mercury	0.076	+/-0.2	U	0.20	CV	08/27/2025	10:09	LB136975
CCB19	Mercury	0.076	+/-0.2	U	0.20	CV	08/27/2025	10:37	LB136975
CCB20	Mercury	0.076	+/-0.2	U	0.20	CV	08/27/2025	11:35	LB136975

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	08/22/2025	11:50	LB136940
	Antimony	6.76	+/-25	U	50.0	P	08/22/2025	11:50	LB136940
	Arsenic	5.12	+/-10	U	20.0	P	08/22/2025	11:50	LB136940
	Barium	14.6	+/-50	U	100	P	08/22/2025	11:50	LB136940
	Beryllium	0.56	+/-3	U	6.00	P	08/22/2025	11:50	LB136940
	Cadmium	0.50	+/-3	U	6.00	P	08/22/2025	11:50	LB136940
	Calcium	234	+/-1000	U	2000	P	08/22/2025	11:50	LB136940
	Chromium	2.12	+/-5	U	10.0	P	08/22/2025	11:50	LB136940
	Cobalt	2.26	+/-15	U	30.0	P	08/22/2025	11:50	LB136940
	Copper	4.60	+/-10	U	20.0	P	08/22/2025	11:50	LB136940
	Iron	23.4	+/-50	U	100	P	08/22/2025	11:50	LB136940
	Lead	2.30	+/-6	U	12.0	P	08/22/2025	11:50	LB136940
	Magnesium	244	+/-1000	U	2000	P	08/22/2025	11:50	LB136940
	Manganese	5.94	+/-10	U	20.0	P	08/22/2025	11:50	LB136940
	Nickel	3.06	+/-20	U	40.0	P	08/22/2025	11:50	LB136940
	Potassium	918	+/-1000	U	2000	P	08/22/2025	11:50	LB136940
	Selenium	9.64	+/-10	U	20.0	P	08/22/2025	11:50	LB136940
	Silver	1.62	+/-5	U	10.0	P	08/22/2025	11:50	LB136940
	Sodium	868	+/-1000	U	2000	P	08/22/2025	11:50	LB136940
	Thallium	4.38	+/-20	U	40.0	P	08/22/2025	11:50	LB136940
	Vanadium	6.26	+/-20	U	40.0	P	08/22/2025	11:50	LB136940
	Zinc	16.7	+/-20	U	40.0	P	08/22/2025	11:50	LB136940

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	08/22/2025	12:22	LB136940
	Antimony	6.76	+/-25	U	50.0	P	08/22/2025	12:22	LB136940
	Arsenic	5.12	+/-10	U	20.0	P	08/22/2025	12:22	LB136940
	Barium	14.6	+/-50	U	100	P	08/22/2025	12:22	LB136940
	Beryllium	0.56	+/-3	U	6.00	P	08/22/2025	12:22	LB136940
	Cadmium	0.50	+/-3	U	6.00	P	08/22/2025	12:22	LB136940
	Calcium	234	+/-1000	U	2000	P	08/22/2025	12:22	LB136940
	Chromium	2.12	+/-5	U	10.0	P	08/22/2025	12:22	LB136940
	Cobalt	2.26	+/-15	U	30.0	P	08/22/2025	12:22	LB136940
	Copper	4.60	+/-10	U	20.0	P	08/22/2025	12:22	LB136940
	Iron	23.4	+/-50	U	100	P	08/22/2025	12:22	LB136940
	Lead	2.30	+/-6	U	12.0	P	08/22/2025	12:22	LB136940
	Magnesium	244	+/-1000	U	2000	P	08/22/2025	12:22	LB136940
	Manganese	5.94	+/-10	U	20.0	P	08/22/2025	12:22	LB136940
	Nickel	3.06	+/-20	U	40.0	P	08/22/2025	12:22	LB136940
	Potassium	918	+/-1000	U	2000	P	08/22/2025	12:22	LB136940
	Selenium	9.64	+/-10	U	20.0	P	08/22/2025	12:22	LB136940
	Silver	1.62	+/-5	U	10.0	P	08/22/2025	12:22	LB136940
	Sodium	868	+/-1000	U	2000	P	08/22/2025	12:22	LB136940
	Thallium	4.38	+/-20	U	40.0	P	08/22/2025	12:22	LB136940
	Vanadium	6.26	+/-20	U	40.0	P	08/22/2025	12:22	LB136940
	Zinc	16.7	+/-20	U	40.0	P	08/22/2025	12:22	LB136940
CCB02	Aluminum	14.6	+/-50	J	100	P	08/22/2025	13:40	LB136940
	Antimony	6.76	+/-25	U	50.0	P	08/22/2025	13:40	LB136940
	Arsenic	5.12	+/-10	U	20.0	P	08/22/2025	13:40	LB136940
	Barium	14.6	+/-50	U	100	P	08/22/2025	13:40	LB136940
	Beryllium	0.56	+/-3	U	6.00	P	08/22/2025	13:40	LB136940
	Cadmium	0.50	+/-3	U	6.00	P	08/22/2025	13:40	LB136940
	Calcium	234	+/-1000	U	2000	P	08/22/2025	13:40	LB136940
	Chromium	2.12	+/-5	U	10.0	P	08/22/2025	13:40	LB136940
	Cobalt	2.26	+/-15	U	30.0	P	08/22/2025	13:40	LB136940
	Copper	4.60	+/-10	U	20.0	P	08/22/2025	13:40	LB136940
	Iron	23.4	+/-50	U	100	P	08/22/2025	13:40	LB136940
	Lead	2.30	+/-6	U	12.0	P	08/22/2025	13:40	LB136940
	Magnesium	244	+/-1000	U	2000	P	08/22/2025	13:40	LB136940
	Manganese	5.94	+/-10	U	20.0	P	08/22/2025	13:40	LB136940
	Nickel	3.06	+/-20	U	40.0	P	08/22/2025	13:40	LB136940
	Potassium	918	+/-1000	U	2000	P	08/22/2025	13:40	LB136940
	Selenium	9.64	+/-10	U	20.0	P	08/22/2025	13:40	LB136940

Alliance TECHNICAL GROUP
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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	08/22/2025	13:40	LB136940
	Sodium	868	+/-1000	U	2000	P	08/22/2025	13:40	LB136940
	Thallium	4.38	+/-20	U	40.0	P	08/22/2025	13:40	LB136940
	Vanadium	6.26	+/-20	U	40.0	P	08/22/2025	13:40	LB136940
	Zinc	16.7	+/-20	U	40.0	P	08/22/2025	13:40	LB136940
CCB03	Aluminum	11.3	+/-50	U	100	P	08/22/2025	14:30	LB136940
	Antimony	6.76	+/-25	U	50.0	P	08/22/2025	14:30	LB136940
	Arsenic	5.12	+/-10	U	20.0	P	08/22/2025	14:30	LB136940
	Barium	14.6	+/-50	U	100	P	08/22/2025	14:30	LB136940
	Beryllium	0.56	+/-3	U	6.00	P	08/22/2025	14:30	LB136940
	Cadmium	0.50	+/-3	U	6.00	P	08/22/2025	14:30	LB136940
	Calcium	234	+/-1000	U	2000	P	08/22/2025	14:30	LB136940
	Chromium	2.12	+/-5	U	10.0	P	08/22/2025	14:30	LB136940
	Cobalt	2.26	+/-15	U	30.0	P	08/22/2025	14:30	LB136940
	Copper	4.60	+/-10	U	20.0	P	08/22/2025	14:30	LB136940
	Iron	23.4	+/-50	U	100	P	08/22/2025	14:30	LB136940
	Lead	2.30	+/-6	U	12.0	P	08/22/2025	14:30	LB136940
	Magnesium	244	+/-1000	U	2000	P	08/22/2025	14:30	LB136940
	Manganese	5.94	+/-10	U	20.0	P	08/22/2025	14:30	LB136940
	Nickel	3.06	+/-20	U	40.0	P	08/22/2025	14:30	LB136940
	Potassium	918	+/-1000	U	2000	P	08/22/2025	14:30	LB136940
	Selenium	9.64	+/-10	U	20.0	P	08/22/2025	14:30	LB136940
	Silver	1.62	+/-5	U	10.0	P	08/22/2025	14:30	LB136940
	Sodium	868	+/-1000	U	2000	P	08/22/2025	14:30	LB136940
	Thallium	4.38	+/-20	U	40.0	P	08/22/2025	14:30	LB136940
	Vanadium	6.26	+/-20	U	40.0	P	08/22/2025	14:30	LB136940
	Zinc	16.7	+/-20	U	40.0	P	08/22/2025	14:30	LB136940
CCB04	Aluminum	14.9	+/-50	J	100	P	08/22/2025	15:48	LB136940
	Antimony	6.76	+/-25	U	50.0	P	08/22/2025	15:48	LB136940
	Arsenic	5.12	+/-10	U	20.0	P	08/22/2025	15:48	LB136940
	Barium	14.6	+/-50	U	100	P	08/22/2025	15:48	LB136940
	Beryllium	0.56	+/-3	U	6.00	P	08/22/2025	15:48	LB136940
	Cadmium	0.50	+/-3	U	6.00	P	08/22/2025	15:48	LB136940
	Calcium	234	+/-1000	U	2000	P	08/22/2025	15:48	LB136940
	Chromium	2.12	+/-5	U	10.0	P	08/22/2025	15:48	LB136940
	Cobalt	2.26	+/-15	U	30.0	P	08/22/2025	15:48	LB136940
	Copper	4.60	+/-10	U	20.0	P	08/22/2025	15:48	LB136940
	Iron	23.4	+/-50	U	100	P	08/22/2025	15:48	LB136940
	Lead	2.30	+/-6	U	12.0	P	08/22/2025	15:48	LB136940

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	08/22/2025	15:48	LB136940
	Manganese	5.94	+/-10	U	20.0	P	08/22/2025	15:48	LB136940
	Nickel	3.06	+/-20	U	40.0	P	08/22/2025	15:48	LB136940
	Potassium	918	+/-1000	U	2000	P	08/22/2025	15:48	LB136940
	Selenium	9.64	+/-10	U	20.0	P	08/22/2025	15:48	LB136940
	Silver	1.62	+/-5	U	10.0	P	08/22/2025	15:48	LB136940
	Sodium	868	+/-1000	U	2000	P	08/22/2025	15:48	LB136940
	Thallium	4.38	+/-20	U	40.0	P	08/22/2025	15:48	LB136940
	Vanadium	6.26	+/-20	U	40.0	P	08/22/2025	15:48	LB136940
	Zinc	16.7	+/-20	U	40.0	P	08/22/2025	15:48	LB136940
CCB05	Aluminum	18.3	+/-50	J	100	P	08/22/2025	16:34	LB136940
	Antimony	6.76	+/-25	U	50.0	P	08/22/2025	16:34	LB136940
	Arsenic	5.12	+/-10	U	20.0	P	08/22/2025	16:34	LB136940
	Barium	14.6	+/-50	U	100	P	08/22/2025	16:34	LB136940
	Beryllium	0.56	+/-3	U	6.00	P	08/22/2025	16:34	LB136940
	Cadmium	0.50	+/-3	U	6.00	P	08/22/2025	16:34	LB136940
	Calcium	234	+/-1000	U	2000	P	08/22/2025	16:34	LB136940
	Chromium	2.12	+/-5	U	10.0	P	08/22/2025	16:34	LB136940
	Cobalt	2.26	+/-15	U	30.0	P	08/22/2025	16:34	LB136940
	Copper	4.60	+/-10	U	20.0	P	08/22/2025	16:34	LB136940
	Iron	23.4	+/-50	U	100	P	08/22/2025	16:34	LB136940
	Lead	2.30	+/-6	U	12.0	P	08/22/2025	16:34	LB136940
	Magnesium	244	+/-1000	U	2000	P	08/22/2025	16:34	LB136940
	Manganese	5.94	+/-10	U	20.0	P	08/22/2025	16:34	LB136940
	Nickel	3.06	+/-20	U	40.0	P	08/22/2025	16:34	LB136940
	Potassium	918	+/-1000	U	2000	P	08/22/2025	16:34	LB136940
	Selenium	9.64	+/-10	U	20.0	P	08/22/2025	16:34	LB136940
	Silver	1.62	+/-5	U	10.0	P	08/22/2025	16:34	LB136940
	Sodium	868	+/-1000	U	2000	P	08/22/2025	16:34	LB136940
	Thallium	4.38	+/-20	U	40.0	P	08/22/2025	16:34	LB136940
	Vanadium	6.26	+/-20	U	40.0	P	08/22/2025	16:34	LB136940
	Zinc	16.7	+/-20	U	40.0	P	08/22/2025	16:34	LB136940

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	23.0	+/-50	J	100	P	08/25/2025	11:53	LB136951
	Antimony	6.76	+/-25	U	50.0	P	08/25/2025	11:53	LB136951
	Arsenic	5.12	+/-10	U	20.0	P	08/25/2025	11:53	LB136951
	Barium	14.6	+/-50	U	100	P	08/25/2025	11:53	LB136951
	Beryllium	0.56	+/-3	U	6.00	P	08/25/2025	11:53	LB136951
	Cadmium	0.50	+/-3	U	6.00	P	08/25/2025	11:53	LB136951
	Calcium	234	+/-1000	U	2000	P	08/25/2025	11:53	LB136951
	Chromium	2.12	+/-5	U	10.0	P	08/25/2025	11:53	LB136951
	Cobalt	2.26	+/-15	U	30.0	P	08/25/2025	11:53	LB136951
	Copper	4.60	+/-10	U	20.0	P	08/25/2025	11:53	LB136951
	Iron	23.4	+/-50	U	100	P	08/25/2025	11:53	LB136951
	Lead	2.30	+/-6	U	12.0	P	08/25/2025	11:53	LB136951
	Magnesium	244	+/-1000	U	2000	P	08/25/2025	11:53	LB136951
	Manganese	5.94	+/-10	U	20.0	P	08/25/2025	11:53	LB136951
	Nickel	3.06	+/-20	U	40.0	P	08/25/2025	11:53	LB136951
	Potassium	918	+/-1000	U	2000	P	08/25/2025	11:53	LB136951
	Selenium	9.64	+/-10	U	20.0	P	08/25/2025	11:53	LB136951
	Silver	1.62	+/-5	U	10.0	P	08/25/2025	11:53	LB136951
	Sodium	868	+/-1000	U	2000	P	08/25/2025	11:53	LB136951
	Thallium	4.38	+/-20	U	40.0	P	08/25/2025	11:53	LB136951
	Vanadium	6.26	+/-20	U	40.0	P	08/25/2025	11:53	LB136951
	Zinc	16.7	+/-20	U	40.0	P	08/25/2025	11:53	LB136951

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	08/25/2025	12:42	LB136951
	Antimony	6.76	+/-25	U	50.0	P	08/25/2025	12:42	LB136951
	Arsenic	5.12	+/-10	U	20.0	P	08/25/2025	12:42	LB136951
	Barium	14.6	+/-50	U	100	P	08/25/2025	12:42	LB136951
	Beryllium	0.56	+/-3	U	6.00	P	08/25/2025	12:42	LB136951
	Cadmium	0.50	+/-3	U	6.00	P	08/25/2025	12:42	LB136951
	Calcium	234	+/-1000	U	2000	P	08/25/2025	12:42	LB136951
	Chromium	2.12	+/-5	U	10.0	P	08/25/2025	12:42	LB136951
	Cobalt	2.26	+/-15	U	30.0	P	08/25/2025	12:42	LB136951
	Copper	4.60	+/-10	U	20.0	P	08/25/2025	12:42	LB136951
	Iron	23.4	+/-50	U	100	P	08/25/2025	12:42	LB136951
	Lead	2.30	+/-6	U	12.0	P	08/25/2025	12:42	LB136951
	Magnesium	244	+/-1000	U	2000	P	08/25/2025	12:42	LB136951
	Manganese	5.94	+/-10	U	20.0	P	08/25/2025	12:42	LB136951
	Nickel	3.06	+/-20	U	40.0	P	08/25/2025	12:42	LB136951
	Potassium	918	+/-1000	U	2000	P	08/25/2025	12:42	LB136951
	Selenium	9.64	+/-10	U	20.0	P	08/25/2025	12:42	LB136951
	Silver	1.62	+/-5	U	10.0	P	08/25/2025	12:42	LB136951
	Sodium	868	+/-1000	U	2000	P	08/25/2025	12:42	LB136951
	Thallium	4.38	+/-20	U	40.0	P	08/25/2025	12:42	LB136951
	Vanadium	6.26	+/-20	U	40.0	P	08/25/2025	12:42	LB136951
	Zinc	16.7	+/-20	U	40.0	P	08/25/2025	12:42	LB136951
CCB02	Aluminum	11.3	+/-50	U	100	P	08/25/2025	13:48	LB136951
	Antimony	6.76	+/-25	U	50.0	P	08/25/2025	13:48	LB136951
	Arsenic	5.12	+/-10	U	20.0	P	08/25/2025	13:48	LB136951
	Barium	14.6	+/-50	U	100	P	08/25/2025	13:48	LB136951
	Beryllium	0.56	+/-3	U	6.00	P	08/25/2025	13:48	LB136951
	Cadmium	0.50	+/-3	U	6.00	P	08/25/2025	13:48	LB136951
	Calcium	234	+/-1000	U	2000	P	08/25/2025	13:48	LB136951
	Chromium	2.12	+/-5	U	10.0	P	08/25/2025	13:48	LB136951
	Cobalt	2.26	+/-15	U	30.0	P	08/25/2025	13:48	LB136951
	Copper	4.60	+/-10	U	20.0	P	08/25/2025	13:48	LB136951
	Iron	23.4	+/-50	U	100	P	08/25/2025	13:48	LB136951
	Lead	2.30	+/-6	U	12.0	P	08/25/2025	13:48	LB136951
	Magnesium	244	+/-1000	U	2000	P	08/25/2025	13:48	LB136951
	Manganese	5.94	+/-10	U	20.0	P	08/25/2025	13:48	LB136951
	Nickel	3.06	+/-20	U	40.0	P	08/25/2025	13:48	LB136951
	Potassium	918	+/-1000	U	2000	P	08/25/2025	13:48	LB136951
	Selenium	9.64	+/-10	U	20.0	P	08/25/2025	13:48	LB136951

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	08/25/2025	13:48	LB136951
	Sodium	868	+/-1000	U	2000	P	08/25/2025	13:48	LB136951
	Thallium	4.38	+/-20	U	40.0	P	08/25/2025	13:48	LB136951
	Vanadium	6.26	+/-20	U	40.0	P	08/25/2025	13:48	LB136951
	Zinc	16.7	+/-20	U	40.0	P	08/25/2025	13:48	LB136951
CCB03	Aluminum	11.3	+/-50	U	100	P	08/25/2025	14:37	LB136951
	Antimony	6.76	+/-25	U	50.0	P	08/25/2025	14:37	LB136951
	Arsenic	5.12	+/-10	U	20.0	P	08/25/2025	14:37	LB136951
	Barium	14.6	+/-50	U	100	P	08/25/2025	14:37	LB136951
	Beryllium	0.56	+/-3	U	6.00	P	08/25/2025	14:37	LB136951
	Cadmium	0.50	+/-3	U	6.00	P	08/25/2025	14:37	LB136951
	Calcium	234	+/-1000	U	2000	P	08/25/2025	14:37	LB136951
	Chromium	2.12	+/-5	U	10.0	P	08/25/2025	14:37	LB136951
	Cobalt	2.26	+/-15	U	30.0	P	08/25/2025	14:37	LB136951
	Copper	4.60	+/-10	U	20.0	P	08/25/2025	14:37	LB136951
	Iron	23.4	+/-50	U	100	P	08/25/2025	14:37	LB136951
	Lead	2.30	+/-6	U	12.0	P	08/25/2025	14:37	LB136951
	Magnesium	244	+/-1000	U	2000	P	08/25/2025	14:37	LB136951
	Manganese	5.94	+/-10	U	20.0	P	08/25/2025	14:37	LB136951
	Nickel	3.06	+/-20	U	40.0	P	08/25/2025	14:37	LB136951
	Potassium	918	+/-1000	U	2000	P	08/25/2025	14:37	LB136951
	Selenium	9.64	+/-10	U	20.0	P	08/25/2025	14:37	LB136951
	Silver	1.62	+/-5	U	10.0	P	08/25/2025	14:37	LB136951
	Sodium	868	+/-1000	U	2000	P	08/25/2025	14:37	LB136951
	Thallium	4.38	+/-20	U	40.0	P	08/25/2025	14:37	LB136951
	Vanadium	6.26	+/-20	U	40.0	P	08/25/2025	14:37	LB136951
	Zinc	16.7	+/-20	U	40.0	P	08/25/2025	14:37	LB136951
CCB04	Aluminum	11.3	+/-50	U	100	P	08/25/2025	15:27	LB136951
	Antimony	6.76	+/-25	U	50.0	P	08/25/2025	15:27	LB136951
	Arsenic	5.12	+/-10	U	20.0	P	08/25/2025	15:27	LB136951
	Barium	14.6	+/-50	U	100	P	08/25/2025	15:27	LB136951
	Beryllium	0.56	+/-3	U	6.00	P	08/25/2025	15:27	LB136951
	Cadmium	0.50	+/-3	U	6.00	P	08/25/2025	15:27	LB136951
	Calcium	234	+/-1000	U	2000	P	08/25/2025	15:27	LB136951
	Chromium	2.12	+/-5	U	10.0	P	08/25/2025	15:27	LB136951
	Cobalt	2.26	+/-15	U	30.0	P	08/25/2025	15:27	LB136951
	Copper	4.60	+/-10	U	20.0	P	08/25/2025	15:27	LB136951
	Iron	23.4	+/-50	U	100	P	08/25/2025	15:27	LB136951
	Lead	2.30	+/-6	U	12.0	P	08/25/2025	15:27	LB136951

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	08/25/2025	15:27	LB136951
	Manganese	5.94	+/-10	U	20.0	P	08/25/2025	15:27	LB136951
	Nickel	3.06	+/-20	U	40.0	P	08/25/2025	15:27	LB136951
	Potassium	918	+/-1000	U	2000	P	08/25/2025	15:27	LB136951
	Selenium	9.64	+/-10	U	20.0	P	08/25/2025	15:27	LB136951
	Silver	1.62	+/-5	U	10.0	P	08/25/2025	15:27	LB136951
	Sodium	868	+/-1000	U	2000	P	08/25/2025	15:27	LB136951
	Thallium	4.38	+/-20	U	40.0	P	08/25/2025	15:27	LB136951
	Vanadium	6.26	+/-20	U	40.0	P	08/25/2025	15:27	LB136951
	Zinc	16.7	+/-20	U	40.0	P	08/25/2025	15:27	LB136951
CCB05	Aluminum	11.3	+/-50	U	100	P	08/25/2025	16:10	LB136951
	Antimony	6.76	+/-25	U	50.0	P	08/25/2025	16:10	LB136951
	Arsenic	5.12	+/-10	U	20.0	P	08/25/2025	16:10	LB136951
	Barium	14.6	+/-50	U	100	P	08/25/2025	16:10	LB136951
	Beryllium	0.56	+/-3	U	6.00	P	08/25/2025	16:10	LB136951
	Cadmium	0.50	+/-3	U	6.00	P	08/25/2025	16:10	LB136951
	Calcium	234	+/-1000	U	2000	P	08/25/2025	16:10	LB136951
	Chromium	2.12	+/-5	U	10.0	P	08/25/2025	16:10	LB136951
	Cobalt	2.26	+/-15	U	30.0	P	08/25/2025	16:10	LB136951
	Copper	4.60	+/-10	U	20.0	P	08/25/2025	16:10	LB136951
	Iron	23.4	+/-50	U	100	P	08/25/2025	16:10	LB136951
	Lead	2.30	+/-6	U	12.0	P	08/25/2025	16:10	LB136951
	Magnesium	244	+/-1000	U	2000	P	08/25/2025	16:10	LB136951
	Manganese	5.94	+/-10	U	20.0	P	08/25/2025	16:10	LB136951
	Nickel	3.06	+/-20	U	40.0	P	08/25/2025	16:10	LB136951
	Potassium	918	+/-1000	U	2000	P	08/25/2025	16:10	LB136951
	Selenium	9.64	+/-10	U	20.0	P	08/25/2025	16:10	LB136951
	Silver	1.62	+/-5	U	10.0	P	08/25/2025	16:10	LB136951
	Sodium	868	+/-1000	U	2000	P	08/25/2025	16:10	LB136951
	Thallium	4.38	+/-20	U	40.0	P	08/25/2025	16:10	LB136951
	Vanadium	6.26	+/-20	U	40.0	P	08/25/2025	16:10	LB136951
	Zinc	16.7	+/-20	U	40.0	P	08/25/2025	16:10	LB136951

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169413BL		**WATER**		**Batch Number:**	**PB169413**		**Prep Date:**	**08/26/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	08/27/2025	10:19	LB136975

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169358BL		**WATER**		**Batch Number:**	**PB169358**		**Prep Date:**	**08/22/2025**	
	Aluminum	11.4	<25	J	50.0	P	08/25/2025	13:01	LB136951
	Antimony	3.38	<12.5	U	25.0	P	08/25/2025	13:01	LB136951
	Arsenic	2.56	<5	U	10.0	P	08/25/2025	13:01	LB136951
	Barium	7.28	<25	U	50.0	P	08/25/2025	13:01	LB136951
	Beryllium	0.28	<1.5	U	3.00	P	08/25/2025	13:01	LB136951
	Cadmium	0.25	<1.5	U	3.00	P	08/25/2025	13:01	LB136951
	Calcium	117	<500	U	1000	P	08/25/2025	13:01	LB136951
	Chromium	1.06	<2.5	U	5.00	P	08/25/2025	13:01	LB136951
	Cobalt	1.13	<7.5	U	15.0	P	08/25/2025	13:01	LB136951
	Copper	2.30	<5	U	10.0	P	08/25/2025	13:01	LB136951
	Iron	11.7	<25	U	50.0	P	08/25/2025	13:01	LB136951
	Lead	1.15	<3	U	6.00	P	08/25/2025	13:01	LB136951
	Magnesium	122	<500	U	1000	P	08/25/2025	13:01	LB136951
	Manganese	2.97	<5	U	10.0	P	08/25/2025	13:01	LB136951
	Nickel	1.53	<10	U	20.0	P	08/25/2025	13:01	LB136951
	Potassium	459	<500	U	1000	P	08/25/2025	13:01	LB136951
	Selenium	4.82	<5	U	10.0	P	08/25/2025	13:01	LB136951
	Silver	0.81	<2.5	U	5.00	P	08/25/2025	13:01	LB136951
	Sodium	434	<500	U	1000	P	08/25/2025	13:01	LB136951
	Thallium	2.19	<10	U	20.0	P	08/25/2025	13:01	LB136951
	Vanadium	3.13	<10	U	20.0	P	08/25/2025	13:01	LB136951
	Zinc	8.33	<10	U	20.0	P	08/25/2025	13:01	LB136951

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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
ICV07	Mercury	4.21	4.0	105	90 - 110	CV	08/27/2025	10:03	LB136975

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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
CCV18	Mercury	5.02	5.0	100	90 - 110	CV	08/27/2025	10:07	LB136975
CCV19	Mercury	4.91	5.0	98	90 - 110	CV	08/27/2025	10:35	LB136975
CCV20	Mercury	5.31	5.0	106	90 - 110	CV	08/27/2025	11:33	LB136975

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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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	7750	8000	97	90 - 110	P	08/22/2025	11:37	LB136940
	Antimony	4040	4000	101	90 - 110	P	08/22/2025	11:37	LB136940
	Arsenic	3880	4000	97	90 - 110	P	08/22/2025	11:37	LB136940
	Barium	7700	8000	96	90 - 110	P	08/22/2025	11:37	LB136940
	Beryllium	199	200	100	90 - 110	P	08/22/2025	11:37	LB136940
	Cadmium	1910	2000	96	90 - 110	P	08/22/2025	11:37	LB136940
	Calcium	19300	20000	97	90 - 110	P	08/22/2025	11:37	LB136940
	Chromium	790	800	99	90 - 110	P	08/22/2025	11:37	LB136940
	Cobalt	1930	2000	97	90 - 110	P	08/22/2025	11:37	LB136940
	Copper	997	1000	100	90 - 110	P	08/22/2025	11:37	LB136940
	Iron	3890	4000	97	90 - 110	P	08/22/2025	11:37	LB136940
	Lead	3920	4000	98	90 - 110	P	08/22/2025	11:37	LB136940
	Magnesium	19400	20000	97	90 - 110	P	08/22/2025	11:37	LB136940
	Manganese	1930	2000	97	90 - 110	P	08/22/2025	11:37	LB136940
	Nickel	1930	2000	97	90 - 110	P	08/22/2025	11:37	LB136940
	Potassium	19200	20000	96	90 - 110	P	08/22/2025	11:37	LB136940
	Selenium	3930	4000	98	90 - 110	P	08/22/2025	11:37	LB136940
	Silver	961	1000	96	90 - 110	P	08/22/2025	11:37	LB136940
	Sodium	18900	20000	95	90 - 110	P	08/22/2025	11:37	LB136940
	Thallium	3790	4000	95	90 - 110	P	08/22/2025	11:37	LB136940
	Vanadium	1970	2000	98	90 - 110	P	08/22/2025	11:37	LB136940
	Zinc	1960	2000	98	90 - 110	P	08/22/2025	11:37	LB136940

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture
SDG No.: Q2934
Contract: PORT06
Lab Code: ACE
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	109	100	109	80 - 120	P	08/22/2025	11:45	LB136940
	Antimony	52.6	50.0	105	80 - 120	P	08/22/2025	11:45	LB136940
	Arsenic	23.3	20.0	116	80 - 120	P	08/22/2025	11:45	LB136940
	Barium	98.3	100	98	80 - 120	P	08/22/2025	11:45	LB136940
	Beryllium	6.33	6.0	106	80 - 120	P	08/22/2025	11:45	LB136940
	Cadmium	5.71	6.0	95	80 - 120	P	08/22/2025	11:45	LB136940
	Calcium	2050	2000	102	80 - 120	P	08/22/2025	11:45	LB136940
	Chromium	10.4	10.0	104	80 - 120	P	08/22/2025	11:45	LB136940
	Cobalt	29.4	30.0	98	80 - 120	P	08/22/2025	11:45	LB136940
	Copper	21.2	20.0	106	80 - 120	P	08/22/2025	11:45	LB136940
	Iron	95.1	100	95	80 - 120	P	08/22/2025	11:45	LB136940
	Lead	13.0	12.0	108	80 - 120	P	08/22/2025	11:45	LB136940
	Magnesium	2160	2000	108	80 - 120	P	08/22/2025	11:45	LB136940
	Manganese	22.1	20.0	110	80 - 120	P	08/22/2025	11:45	LB136940
	Nickel	39.6	40.0	99	80 - 120	P	08/22/2025	11:45	LB136940
	Potassium	1740	2000	87	80 - 120	P	08/22/2025	11:45	LB136940
	Selenium	18.7	20.0	94	80 - 120	P	08/22/2025	11:45	LB136940
	Silver	10.3	10.0	103	80 - 120	P	08/22/2025	11:45	LB136940
	Sodium	1820	2000	91	80 - 120	P	08/22/2025	11:45	LB136940
	Thallium	42.5	40.0	106	80 - 120	P	08/22/2025	11:45	LB136940
	Vanadium	38.5	40.0	96	80 - 120	P	08/22/2025	11:45	LB136940
	Zinc	41.9	40.0	105	80 - 120	P	08/22/2025	11:45	LB136940

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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	9880	10000	99	90 - 110	P	08/22/2025	12:18	LB136940
	Antimony	5110	5000	102	90 - 110	P	08/22/2025	12:18	LB136940
	Arsenic	5110	5000	102	90 - 110	P	08/22/2025	12:18	LB136940
	Barium	9710	10000	97	90 - 110	P	08/22/2025	12:18	LB136940
	Beryllium	245	250	98	90 - 110	P	08/22/2025	12:18	LB136940
	Cadmium	2510	2500	100	90 - 110	P	08/22/2025	12:18	LB136940
	Calcium	24600	25000	98	90 - 110	P	08/22/2025	12:18	LB136940
	Chromium	1020	1000	102	90 - 110	P	08/22/2025	12:18	LB136940
	Cobalt	2500	2500	100	90 - 110	P	08/22/2025	12:18	LB136940
	Copper	1270	1250	101	90 - 110	P	08/22/2025	12:18	LB136940
	Iron	5060	5000	101	90 - 110	P	08/22/2025	12:18	LB136940
	Lead	4980	5000	100	90 - 110	P	08/22/2025	12:18	LB136940
	Magnesium	24500	25000	98	90 - 110	P	08/22/2025	12:18	LB136940
	Manganese	2420	2500	97	90 - 110	P	08/22/2025	12:18	LB136940
	Nickel	2500	2500	100	90 - 110	P	08/22/2025	12:18	LB136940
	Potassium	24700	25000	99	90 - 110	P	08/22/2025	12:18	LB136940
	Selenium	5170	5000	103	90 - 110	P	08/22/2025	12:18	LB136940
	Silver	1260	1250	101	90 - 110	P	08/22/2025	12:18	LB136940
	Sodium	24100	25000	96	90 - 110	P	08/22/2025	12:18	LB136940
	Thallium	5140	5000	103	90 - 110	P	08/22/2025	12:18	LB136940
	Vanadium	2480	2500	99	90 - 110	P	08/22/2025	12:18	LB136940
	Zinc	2560	2500	102	90 - 110	P	08/22/2025	12:18	LB136940
CCV02	Aluminum	9920	10000	99	90 - 110	P	08/22/2025	13:36	LB136940
	Antimony	5180	5000	104	90 - 110	P	08/22/2025	13:36	LB136940
	Arsenic	5140	5000	103	90 - 110	P	08/22/2025	13:36	LB136940
	Barium	9760	10000	98	90 - 110	P	08/22/2025	13:36	LB136940
	Beryllium	246	250	99	90 - 110	P	08/22/2025	13:36	LB136940
	Cadmium	2500	2500	100	90 - 110	P	08/22/2025	13:36	LB136940
	Calcium	24600	25000	98	90 - 110	P	08/22/2025	13:36	LB136940
	Chromium	1020	1000	102	90 - 110	P	08/22/2025	13:36	LB136940
	Cobalt	2510	2500	100	90 - 110	P	08/22/2025	13:36	LB136940
	Copper	1270	1250	102	90 - 110	P	08/22/2025	13:36	LB136940
	Iron	5090	5000	102	90 - 110	P	08/22/2025	13:36	LB136940
	Lead	4980	5000	100	90 - 110	P	08/22/2025	13:36	LB136940

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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	24500	25000	98	90 - 110	P	08/22/2025	13:36	LB136940
	Manganese	2440	2500	98	90 - 110	P	08/22/2025	13:36	LB136940
	Nickel	2510	2500	100	90 - 110	P	08/22/2025	13:36	LB136940
	Potassium	24700	25000	99	90 - 110	P	08/22/2025	13:36	LB136940
	Selenium	5200	5000	104	90 - 110	P	08/22/2025	13:36	LB136940
	Silver	1270	1250	102	90 - 110	P	08/22/2025	13:36	LB136940
	Sodium	24400	25000	98	90 - 110	P	08/22/2025	13:36	LB136940
	Thallium	5150	5000	103	90 - 110	P	08/22/2025	13:36	LB136940
	Vanadium	2500	2500	100	90 - 110	P	08/22/2025	13:36	LB136940
	Zinc	2570	2500	103	90 - 110	P	08/22/2025	13:36	LB136940
CCV03	Aluminum	10000	10000	100	90 - 110	P	08/22/2025	14:25	LB136940
	Antimony	5210	5000	104	90 - 110	P	08/22/2025	14:25	LB136940
	Arsenic	5180	5000	104	90 - 110	P	08/22/2025	14:25	LB136940
	Barium	9870	10000	99	90 - 110	P	08/22/2025	14:25	LB136940
	Beryllium	249	250	100	90 - 110	P	08/22/2025	14:25	LB136940
	Cadmium	2530	2500	101	90 - 110	P	08/22/2025	14:25	LB136940
	Calcium	25100	25000	100	90 - 110	P	08/22/2025	14:25	LB136940
	Chromium	1040	1000	104	90 - 110	P	08/22/2025	14:25	LB136940
	Cobalt	2530	2500	101	90 - 110	P	08/22/2025	14:25	LB136940
	Copper	1290	1250	103	90 - 110	P	08/22/2025	14:25	LB136940
	Iron	5200	5000	104	90 - 110	P	08/22/2025	14:25	LB136940
	Lead	5040	5000	101	90 - 110	P	08/22/2025	14:25	LB136940
	Magnesium	24900	25000	100	90 - 110	P	08/22/2025	14:25	LB136940
	Manganese	2490	2500	100	90 - 110	P	08/22/2025	14:25	LB136940
	Nickel	2530	2500	101	90 - 110	P	08/22/2025	14:25	LB136940
	Potassium	25200	25000	101	90 - 110	P	08/22/2025	14:25	LB136940
	Selenium	5250	5000	105	90 - 110	P	08/22/2025	14:25	LB136940
	Silver	1290	1250	103	90 - 110	P	08/22/2025	14:25	LB136940
	Sodium	25000	25000	100	90 - 110	P	08/22/2025	14:25	LB136940
	Thallium	5230	5000	105	90 - 110	P	08/22/2025	14:25	LB136940
	Vanadium	2530	2500	101	90 - 110	P	08/22/2025	14:25	LB136940
	Zinc	2610	2500	104	90 - 110	P	08/22/2025	14:25	LB136940
CCV04	Aluminum	9830	10000	98	90 - 110	P	08/22/2025	15:44	LB136940
	Antimony	5000	5000	100	90 - 110	P	08/22/2025	15:44	LB136940

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture
SDG No.: Q2934
Contract: PORT06
Lab Code: ACE
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	5020	5000	100	90 - 110	P	08/22/2025	15:44	LB136940
	Barium	9470	10000	95	90 - 110	P	08/22/2025	15:44	LB136940
	Beryllium	244	250	98	90 - 110	P	08/22/2025	15:44	LB136940
	Cadmium	2480	2500	99	90 - 110	P	08/22/2025	15:44	LB136940
	Calcium	24300	25000	97	90 - 110	P	08/22/2025	15:44	LB136940
	Chromium	1010	1000	101	90 - 110	P	08/22/2025	15:44	LB136940
	Cobalt	2460	2500	98	90 - 110	P	08/22/2025	15:44	LB136940
	Copper	1240	1250	100	90 - 110	P	08/22/2025	15:44	LB136940
	Iron	4960	5000	99	90 - 110	P	08/22/2025	15:44	LB136940
	Lead	4920	5000	98	90 - 110	P	08/22/2025	15:44	LB136940
	Magnesium	24400	25000	98	90 - 110	P	08/22/2025	15:44	LB136940
	Manganese	2400	2500	96	90 - 110	P	08/22/2025	15:44	LB136940
	Nickel	2460	2500	98	90 - 110	P	08/22/2025	15:44	LB136940
	Potassium	24400	25000	98	90 - 110	P	08/22/2025	15:44	LB136940
	Selenium	5090	5000	102	90 - 110	P	08/22/2025	15:44	LB136940
	Silver	1250	1250	100	90 - 110	P	08/22/2025	15:44	LB136940
	Sodium	23600	25000	94	90 - 110	P	08/22/2025	15:44	LB136940
	Thallium	5290	5000	106	90 - 110	P	08/22/2025	15:44	LB136940
	Vanadium	2470	2500	99	90 - 110	P	08/22/2025	15:44	LB136940
	Zinc	2540	2500	102	90 - 110	P	08/22/2025	15:44	LB136940
CCV05	Aluminum	9520	10000	95	90 - 110	P	08/22/2025	16:30	LB136940
	Antimony	4890	5000	98	90 - 110	P	08/22/2025	16:30	LB136940
	Arsenic	4910	5000	98	90 - 110	P	08/22/2025	16:30	LB136940
	Barium	9050	10000	90	90 - 110	P	08/22/2025	16:30	LB136940
	Beryllium	234	250	93	90 - 110	P	08/22/2025	16:30	LB136940
	Cadmium	2400	2500	96	90 - 110	P	08/22/2025	16:30	LB136940
	Calcium	23500	25000	94	90 - 110	P	08/22/2025	16:30	LB136940
	Chromium	986	1000	99	90 - 110	P	08/22/2025	16:30	LB136940
	Cobalt	2380	2500	95	90 - 110	P	08/22/2025	16:30	LB136940
	Copper	1210	1250	97	90 - 110	P	08/22/2025	16:30	LB136940
	Iron	4870	5000	97	90 - 110	P	08/22/2025	16:30	LB136940
	Lead	4760	5000	95	90 - 110	P	08/22/2025	16:30	LB136940
	Magnesium	23700	25000	95	90 - 110	P	08/22/2025	16:30	LB136940
	Manganese	2310	2500	92	90 - 110	P	08/22/2025	16:30	LB136940

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture

SDG No.: Q2934

Contract: PORT06

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2390	2500	96	90 - 110	P	08/22/2025	16:30	LB136940
	Potassium	24100	25000	97	90 - 110	P	08/22/2025	16:30	LB136940
	Selenium	5000	5000	100	90 - 110	P	08/22/2025	16:30	LB136940
	Silver	1210	1250	97	90 - 110	P	08/22/2025	16:30	LB136940
	Sodium	23400	25000	94	90 - 110	P	08/22/2025	16:30	LB136940
	Thallium	5600	5000	112	90 - 110	P	08/22/2025	16:30	LB136940
	Vanadium	2380	2500	95	90 - 110	P	08/22/2025	16:30	LB136940
	Zinc	2470	2500	99	90 - 110	P	08/22/2025	16:30	LB136940

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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	8020	8000	100	90 - 110	P	08/25/2025	11:44	LB136951
	Antimony	4040	4000	101	90 - 110	P	08/25/2025	11:44	LB136951
	Arsenic	3870	4000	97	90 - 110	P	08/25/2025	11:44	LB136951
	Barium	7970	8000	100	90 - 110	P	08/25/2025	11:44	LB136951
	Beryllium	206	200	103	90 - 110	P	08/25/2025	11:44	LB136951
	Cadmium	1940	2000	97	90 - 110	P	08/25/2025	11:44	LB136951
	Calcium	20000	20000	100	90 - 110	P	08/25/2025	11:44	LB136951
	Chromium	810	800	101	90 - 110	P	08/25/2025	11:44	LB136951
	Cobalt	1970	2000	98	90 - 110	P	08/25/2025	11:44	LB136951
	Copper	1010	1000	101	90 - 110	P	08/25/2025	11:44	LB136951
	Iron	3960	4000	99	90 - 110	P	08/25/2025	11:44	LB136951
	Lead	3980	4000	100	90 - 110	P	08/25/2025	11:44	LB136951
	Magnesium	20100	20000	101	90 - 110	P	08/25/2025	11:44	LB136951
	Manganese	2010	2000	100	90 - 110	P	08/25/2025	11:44	LB136951
	Nickel	1960	2000	98	90 - 110	P	08/25/2025	11:44	LB136951
	Potassium	19600	20000	98	90 - 110	P	08/25/2025	11:44	LB136951
	Selenium	3900	4000	97	90 - 110	P	08/25/2025	11:44	LB136951
	Silver	977	1000	98	90 - 110	P	08/25/2025	11:44	LB136951
	Sodium	19400	20000	97	90 - 110	P	08/25/2025	11:44	LB136951
	Thallium	3930	4000	98	90 - 110	P	08/25/2025	11:44	LB136951
	Vanadium	2030	2000	102	90 - 110	P	08/25/2025	11:44	LB136951
	Zinc	1990	2000	100	90 - 110	P	08/25/2025	11:44	LB136951

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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	115	100	115	80 - 120	P	08/25/2025	11:48	LB136951
	Antimony	51.4	50.0	103	80 - 120	P	08/25/2025	11:48	LB136951
	Arsenic	20.0	20.0	100	80 - 120	P	08/25/2025	11:48	LB136951
	Barium	103	100	104	80 - 120	P	08/25/2025	11:48	LB136951
	Beryllium	6.33	6.0	106	80 - 120	P	08/25/2025	11:48	LB136951
	Cadmium	6.02	6.0	100	80 - 120	P	08/25/2025	11:48	LB136951
	Calcium	2110	2000	105	80 - 120	P	08/25/2025	11:48	LB136951
	Chromium	10.3	10.0	103	80 - 120	P	08/25/2025	11:48	LB136951
	Cobalt	30.0	30.0	100	80 - 120	P	08/25/2025	11:48	LB136951
	Copper	21.8	20.0	109	80 - 120	P	08/25/2025	11:48	LB136951
	Iron	102	100	102	80 - 120	P	08/25/2025	11:48	LB136951
	Lead	10.8	12.0	90	80 - 120	P	08/25/2025	11:48	LB136951
	Magnesium	2250	2000	112	80 - 120	P	08/25/2025	11:48	LB136951
	Manganese	22.8	20.0	114	80 - 120	P	08/25/2025	11:48	LB136951
	Nickel	40.5	40.0	101	80 - 120	P	08/25/2025	11:48	LB136951
	Potassium	2190	2000	110	80 - 120	P	08/25/2025	11:48	LB136951
	Selenium	20.5	20.0	103	80 - 120	P	08/25/2025	11:48	LB136951
	Silver	10.4	10.0	104	80 - 120	P	08/25/2025	11:48	LB136951
	Sodium	1960	2000	98	80 - 120	P	08/25/2025	11:48	LB136951
	Thallium	41.7	40.0	104	80 - 120	P	08/25/2025	11:48	LB136951
	Vanadium	37.4	40.0	94	80 - 120	P	08/25/2025	11:48	LB136951
	Zinc	41.6	40.0	104	80 - 120	P	08/25/2025	11:48	LB136951

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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	9880	10000	99	90 - 110	P	08/25/2025	12:33	LB136951
	Antimony	5000	5000	100	90 - 110	P	08/25/2025	12:33	LB136951
	Arsenic	4940	5000	99	90 - 110	P	08/25/2025	12:33	LB136951
	Barium	10200	10000	102	90 - 110	P	08/25/2025	12:33	LB136951
	Beryllium	241	250	96	90 - 110	P	08/25/2025	12:33	LB136951
	Cadmium	2430	2500	97	90 - 110	P	08/25/2025	12:33	LB136951
	Calcium	25000	25000	100	90 - 110	P	08/25/2025	12:33	LB136951
	Chromium	987	1000	99	90 - 110	P	08/25/2025	12:33	LB136951
	Cobalt	2440	2500	98	90 - 110	P	08/25/2025	12:33	LB136951
	Copper	1240	1250	99	90 - 110	P	08/25/2025	12:33	LB136951
	Iron	5080	5000	102	90 - 110	P	08/25/2025	12:33	LB136951
	Lead	4830	5000	96	90 - 110	P	08/25/2025	12:33	LB136951
	Magnesium	24500	25000	98	90 - 110	P	08/25/2025	12:33	LB136951
	Manganese	2520	2500	101	90 - 110	P	08/25/2025	12:33	LB136951
	Nickel	2440	2500	98	90 - 110	P	08/25/2025	12:33	LB136951
	Potassium	25000	25000	100	90 - 110	P	08/25/2025	12:33	LB136951
	Selenium	4930	5000	99	90 - 110	P	08/25/2025	12:33	LB136951
	Silver	1220	1250	98	90 - 110	P	08/25/2025	12:33	LB136951
	Sodium	25500	25000	102	90 - 110	P	08/25/2025	12:33	LB136951
	Thallium	4800	5000	96	90 - 110	P	08/25/2025	12:33	LB136951
	Vanadium	2500	2500	100	90 - 110	P	08/25/2025	12:33	LB136951
	Zinc	2460	2500	99	90 - 110	P	08/25/2025	12:33	LB136951
CCV02	Aluminum	9800	10000	98	90 - 110	P	08/25/2025	13:44	LB136951
	Antimony	4910	5000	98	90 - 110	P	08/25/2025	13:44	LB136951
	Arsenic	4870	5000	97	90 - 110	P	08/25/2025	13:44	LB136951
	Barium	9920	10000	99	90 - 110	P	08/25/2025	13:44	LB136951
	Beryllium	248	250	99	90 - 110	P	08/25/2025	13:44	LB136951
	Cadmium	2450	2500	98	90 - 110	P	08/25/2025	13:44	LB136951
	Calcium	24700	25000	99	90 - 110	P	08/25/2025	13:44	LB136951
	Chromium	999	1000	100	90 - 110	P	08/25/2025	13:44	LB136951
	Cobalt	2440	2500	98	90 - 110	P	08/25/2025	13:44	LB136951
	Copper	1230	1250	98	90 - 110	P	08/25/2025	13:44	LB136951
	Iron	4910	5000	98	90 - 110	P	08/25/2025	13:44	LB136951
	Lead	4860	5000	97	90 - 110	P	08/25/2025	13:44	LB136951

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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	24600	25000	98	90 - 110	P	08/25/2025	13:44	LB136951
	Manganese	2470	2500	99	90 - 110	P	08/25/2025	13:44	LB136951
	Nickel	2450	2500	98	90 - 110	P	08/25/2025	13:44	LB136951
	Potassium	24200	25000	97	90 - 110	P	08/25/2025	13:44	LB136951
	Selenium	4860	5000	97	90 - 110	P	08/25/2025	13:44	LB136951
	Silver	1210	1250	97	90 - 110	P	08/25/2025	13:44	LB136951
	Sodium	23900	25000	96	90 - 110	P	08/25/2025	13:44	LB136951
	Thallium	4650	5000	93	90 - 110	P	08/25/2025	13:44	LB136951
	Vanadium	2480	2500	99	90 - 110	P	08/25/2025	13:44	LB136951
	Zinc	2440	2500	98	90 - 110	P	08/25/2025	13:44	LB136951
CCV03	Aluminum	9800	10000	98	90 - 110	P	08/25/2025	14:33	LB136951
	Antimony	4860	5000	97	90 - 110	P	08/25/2025	14:33	LB136951
	Arsenic	4840	5000	97	90 - 110	P	08/25/2025	14:33	LB136951
	Barium	9780	10000	98	90 - 110	P	08/25/2025	14:33	LB136951
	Beryllium	248	250	99	90 - 110	P	08/25/2025	14:33	LB136951
	Cadmium	2420	2500	97	90 - 110	P	08/25/2025	14:33	LB136951
	Calcium	24700	25000	99	90 - 110	P	08/25/2025	14:33	LB136951
	Chromium	994	1000	99	90 - 110	P	08/25/2025	14:33	LB136951
	Cobalt	2410	2500	96	90 - 110	P	08/25/2025	14:33	LB136951
	Copper	1210	1250	97	90 - 110	P	08/25/2025	14:33	LB136951
	Iron	4960	5000	99	90 - 110	P	08/25/2025	14:33	LB136951
	Lead	4790	5000	96	90 - 110	P	08/25/2025	14:33	LB136951
	Magnesium	24600	25000	98	90 - 110	P	08/25/2025	14:33	LB136951
	Manganese	2470	2500	99	90 - 110	P	08/25/2025	14:33	LB136951
	Nickel	2410	2500	97	90 - 110	P	08/25/2025	14:33	LB136951
	Potassium	24600	25000	98	90 - 110	P	08/25/2025	14:33	LB136951
	Selenium	4840	5000	97	90 - 110	P	08/25/2025	14:33	LB136951
	Silver	1220	1250	98	90 - 110	P	08/25/2025	14:33	LB136951
	Sodium	24400	25000	98	90 - 110	P	08/25/2025	14:33	LB136951
	Thallium	5090	5000	102	90 - 110	P	08/25/2025	14:33	LB136951
	Vanadium	2470	2500	99	90 - 110	P	08/25/2025	14:33	LB136951
	Zinc	2470	2500	99	90 - 110	P	08/25/2025	14:33	LB136951
CCV04	Aluminum	9840	10000	98	90 - 110	P	08/25/2025	15:23	LB136951
	Antimony	4890	5000	98	90 - 110	P	08/25/2025	15:23	LB136951

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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	4890	5000	98	90 - 110	P	08/25/2025	15:23	LB136951
	Barium	9750	10000	98	90 - 110	P	08/25/2025	15:23	LB136951
	Beryllium	246	250	98	90 - 110	P	08/25/2025	15:23	LB136951
	Cadmium	2450	2500	98	90 - 110	P	08/25/2025	15:23	LB136951
	Calcium	24800	25000	99	90 - 110	P	08/25/2025	15:23	LB136951
	Chromium	1000	1000	100	90 - 110	P	08/25/2025	15:23	LB136951
	Cobalt	2430	2500	97	90 - 110	P	08/25/2025	15:23	LB136951
	Copper	1230	1250	98	90 - 110	P	08/25/2025	15:23	LB136951
	Iron	5010	5000	100	90 - 110	P	08/25/2025	15:23	LB136951
	Lead	4850	5000	97	90 - 110	P	08/25/2025	15:23	LB136951
	Magnesium	24700	25000	99	90 - 110	P	08/25/2025	15:23	LB136951
	Manganese	2470	2500	99	90 - 110	P	08/25/2025	15:23	LB136951
	Nickel	2450	2500	98	90 - 110	P	08/25/2025	15:23	LB136951
	Potassium	24900	25000	100	90 - 110	P	08/25/2025	15:23	LB136951
	Selenium	4900	5000	98	90 - 110	P	08/25/2025	15:23	LB136951
	Silver	1220	1250	98	90 - 110	P	08/25/2025	15:23	LB136951
	Sodium	24700	25000	99	90 - 110	P	08/25/2025	15:23	LB136951
	Thallium	5070	5000	101	90 - 110	P	08/25/2025	15:23	LB136951
	Vanadium	2480	2500	99	90 - 110	P	08/25/2025	15:23	LB136951
	Zinc	2480	2500	99	90 - 110	P	08/25/2025	15:23	LB136951
CCV05	Aluminum	9660	10000	97	90 - 110	P	08/25/2025	16:06	LB136951
	Antimony	4850	5000	97	90 - 110	P	08/25/2025	16:06	LB136951
	Arsenic	4820	5000	96	90 - 110	P	08/25/2025	16:06	LB136951
	Barium	9650	10000	96	90 - 110	P	08/25/2025	16:06	LB136951
	Beryllium	240	250	96	90 - 110	P	08/25/2025	16:06	LB136951
	Cadmium	2410	2500	96	90 - 110	P	08/25/2025	16:06	LB136951
	Calcium	24200	25000	97	90 - 110	P	08/25/2025	16:06	LB136951
	Chromium	992	1000	99	90 - 110	P	08/25/2025	16:06	LB136951
	Cobalt	2390	2500	96	90 - 110	P	08/25/2025	16:06	LB136951
	Copper	1210	1250	97	90 - 110	P	08/25/2025	16:06	LB136951
	Iron	4900	5000	98	90 - 110	P	08/25/2025	16:06	LB136951
	Lead	4750	5000	95	90 - 110	P	08/25/2025	16:06	LB136951
	Magnesium	24100	25000	96	90 - 110	P	08/25/2025	16:06	LB136951
	Manganese	2390	2500	96	90 - 110	P	08/25/2025	16:06	LB136951

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2400	2500	96	90 - 110	P	08/25/2025	16:06	LB136951
	Potassium	24700	25000	99	90 - 110	P	08/25/2025	16:06	LB136951
	Selenium	4830	5000	97	90 - 110	P	08/25/2025	16:06	LB136951
	Silver	1200	1250	96	90 - 110	P	08/25/2025	16:06	LB136951
	Sodium	23700	25000	95	90 - 110	P	08/25/2025	16:06	LB136951
	Thallium	5020	5000	100	90 - 110	P	08/25/2025	16:06	LB136951
	Vanadium	2430	2500	97	90 - 110	P	08/25/2025	16:06	LB136951
	Zinc	2450	2500	98	90 - 110	P	08/25/2025	16:06	LB136951

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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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
CRI01	Aluminum	106	100	106	65 - 135	P	08/22/2025	11:56	LB136940
	Antimony	49.5	50.0	99	65 - 135	P	08/22/2025	11:56	LB136940
	Arsenic	20.0	20.0	100	65 - 135	P	08/22/2025	11:56	LB136940
	Barium	96.1	100	96	65 - 135	P	08/22/2025	11:56	LB136940
	Beryllium	6.31	6.0	105	65 - 135	P	08/22/2025	11:56	LB136940
	Cadmium	5.76	6.0	96	65 - 135	P	08/22/2025	11:56	LB136940
	Calcium	2020	2000	101	65 - 135	P	08/22/2025	11:56	LB136940
	Chromium	10.6	10.0	106	65 - 135	P	08/22/2025	11:56	LB136940
	Cobalt	29.5	30.0	98	65 - 135	P	08/22/2025	11:56	LB136940
	Copper	21.0	20.0	105	65 - 135	P	08/22/2025	11:56	LB136940
	Iron	99.1	100	99	65 - 135	P	08/22/2025	11:56	LB136940
	Lead	12.2	12.0	102	65 - 135	P	08/22/2025	11:56	LB136940
	Magnesium	2140	2000	107	65 - 135	P	08/22/2025	11:56	LB136940
	Manganese	21.5	20.0	107	65 - 135	P	08/22/2025	11:56	LB136940
	Nickel	39.6	40.0	99	65 - 135	P	08/22/2025	11:56	LB136940
	Potassium	1690	2000	85	65 - 135	P	08/22/2025	11:56	LB136940
	Selenium	20.0	20.0	100	65 - 135	P	08/22/2025	11:56	LB136940
	Silver	9.94	10.0	99	65 - 135	P	08/22/2025	11:56	LB136940
	Sodium	1740	2000	87	65 - 135	P	08/22/2025	11:56	LB136940
	Thallium	42.6	40.0	106	65 - 135	P	08/22/2025	11:56	LB136940
	Vanadium	37.7	40.0	94	65 - 135	P	08/22/2025	11:56	LB136940
	Zinc	41.4	40.0	104	65 - 135	P	08/22/2025	11:56	LB136940
CRI01	Aluminum	114	100	114	65 - 135	P	08/25/2025	11:57	LB136951
	Antimony	52.1	50.0	104	65 - 135	P	08/25/2025	11:57	LB136951
	Arsenic	19.2	20.0	96	65 - 135	P	08/25/2025	11:57	LB136951
	Barium	100	100	100	65 - 135	P	08/25/2025	11:57	LB136951
	Beryllium	6.19	6.0	103	65 - 135	P	08/25/2025	11:57	LB136951
	Cadmium	5.84	6.0	97	65 - 135	P	08/25/2025	11:57	LB136951
	Calcium	2060	2000	103	65 - 135	P	08/25/2025	11:57	LB136951
	Chromium	10.0	10.0	100	65 - 135	P	08/25/2025	11:57	LB136951
	Cobalt	29.6	30.0	99	65 - 135	P	08/25/2025	11:57	LB136951
	Copper	21.6	20.0	108	65 - 135	P	08/25/2025	11:57	LB136951
	Iron	106	100	106	65 - 135	P	08/25/2025	11:57	LB136951
	Lead	11.4	12.0	95	65 - 135	P	08/25/2025	11:57	LB136951
	Magnesium	2170	2000	109	65 - 135	P	08/25/2025	11:57	LB136951
	Manganese	21.6	20.0	108	65 - 135	P	08/25/2025	11:57	LB136951

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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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
CRI01	Nickel	40.0	40.0	100	65 - 135	P	08/25/2025	11:57	LB136951
	Potassium	2270	2000	114	65 - 135	P	08/25/2025	11:57	LB136951
	Selenium	21.6	20.0	108	65 - 135	P	08/25/2025	11:57	LB136951
	Silver	10.3	10.0	103	65 - 135	P	08/25/2025	11:57	LB136951
	Sodium	1970	2000	98	65 - 135	P	08/25/2025	11:57	LB136951
	Thallium	38.0	40.0	95	65 - 135	P	08/25/2025	11:57	LB136951
	Vanadium	37.8	40.0	94	65 - 135	P	08/25/2025	11:57	LB136951
	Zinc	41.6	40.0	104	65 - 135	P	08/25/2025	11:57	LB136951
CRA	Mercury	0.23	0.2	114	70 - 130	CV	08/27/2025	10:12	LB136975

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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	246000	255000	96	216000	294000	08/22/2025	12:00	LB136940
	Antimony	-2.85			-50	50	08/22/2025	12:00	LB136940
	Arsenic	10.8			-20	20	08/22/2025	12:00	LB136940
	Barium	2.88	6.0	48	-94	106	08/22/2025	12:00	LB136940
	Beryllium	1.60			-6	6	08/22/2025	12:00	LB136940
	Cadmium	2.00	1.0	200	-5	7	08/22/2025	12:00	LB136940
	Calcium	234000	245000	96	208000	282000	08/22/2025	12:00	LB136940
	Chromium	61.9	52.0	119	42	62	08/22/2025	12:00	LB136940
	Cobalt	1.73			-30	30	08/22/2025	12:00	LB136940
	Copper	8.67	2.0	434	-18	22	08/22/2025	12:00	LB136940
	Iron	98800	101000	98	85600	116500	08/22/2025	12:00	LB136940
	Lead	-7.23			-12	12	08/22/2025	12:00	LB136940
	Magnesium	249000	255000	98	216000	294000	08/22/2025	12:00	LB136940
	Manganese	8.61	7.0	123	-13	27	08/22/2025	12:00	LB136940
	Nickel	6.22	2.0	311	-38	42	08/22/2025	12:00	LB136940
	Potassium	310			0	0	08/22/2025	12:00	LB136940
	Selenium	0.73			-20	20	08/22/2025	12:00	LB136940
	Silver	1.38			-10	10	08/22/2025	12:00	LB136940
	Sodium	143			0	0	08/22/2025	12:00	LB136940
	Thallium	-0.94			-40	40	08/22/2025	12:00	LB136940
	Vanadium	2.41			-40	40	08/22/2025	12:00	LB136940
	Zinc	2.57			-40	40	08/22/2025	12:00	LB136940
ICSAB01	Aluminum	249000	247000	101	209000	285000	08/22/2025	12:04	LB136940
	Antimony	602	618	97	525	711	08/22/2025	12:04	LB136940
	Arsenic	110	104	106	88.4	120	08/22/2025	12:04	LB136940
	Barium	489	537	91	437	637	08/22/2025	12:04	LB136940
	Beryllium	500	495	101	420	570	08/22/2025	12:04	LB136940
	Cadmium	989	972	102	826	1120	08/22/2025	12:04	LB136940
	Calcium	237000	235000	101	199000	271000	08/22/2025	12:04	LB136940
	Chromium	565	542	104	460	624	08/22/2025	12:04	LB136940
	Cobalt	498	476	105	404	548	08/22/2025	12:04	LB136940
	Copper	491	511	96	434	588	08/22/2025	12:04	LB136940
	Iron	100000	99300	101	84400	114500	08/22/2025	12:04	LB136940
	Lead	39.7	49.0	81	37	61	08/22/2025	12:04	LB136940
	Magnesium	252000	248000	102	210000	286000	08/22/2025	12:04	LB136940
	Manganese	489	507	96	430	584	08/22/2025	12:04	LB136940
	Nickel	990	954	104	810	1100	08/22/2025	12:04	LB136940
	Potassium	-268			0	0	08/22/2025	12:04	LB136940
	Selenium	52.0	46.0	113	26	66	08/22/2025	12:04	LB136940
	Silver	215	201	107	170	232	08/22/2025	12:04	LB136940
	Sodium	5.71			0	0	08/22/2025	12:04	LB136940
	Thallium	102	108	94	68	148	08/22/2025	12:04	LB136940

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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	486	491	99	417	565	08/22/2025	12:04	LB136940
	Zinc	1040	952	109	809	1095	08/22/2025	12:04	LB136940
ICSA01	Aluminum	258000	255000	101	216000	294000	08/25/2025	12:02	LB136951
	Antimony	0.35			-50	50	08/25/2025	12:02	LB136951
	Arsenic	7.17			-20	20	08/25/2025	12:02	LB136951
	Barium	1.72	6.0	29	-94	106	08/25/2025	12:02	LB136951
	Beryllium	1.50			-6	6	08/25/2025	12:02	LB136951
	Cadmium	2.07	1.0	207	-5	7	08/25/2025	12:02	LB136951
	Calcium	245000	245000	100	208000	282000	08/25/2025	12:02	LB136951
	Chromium	61.9	52.0	119	42	62	08/25/2025	12:02	LB136951
	Cobalt	2.06			-30	30	08/25/2025	12:02	LB136951
	Copper	12.7	2.0	635	-18	22	08/25/2025	12:02	LB136951
	Iron	104000	101000	103	85600	116500	08/25/2025	12:02	LB136951
	Lead	-4.51			-12	12	08/25/2025	12:02	LB136951
	Magnesium	259000	255000	102	216000	294000	08/25/2025	12:02	LB136951
	Manganese	7.98	7.0	114	-13	27	08/25/2025	12:02	LB136951
	Nickel	6.04	2.0	302	-38	42	08/25/2025	12:02	LB136951
	Potassium	1300			0	0	08/25/2025	12:02	LB136951
	Selenium	6.58			-20	20	08/25/2025	12:02	LB136951
	Silver	3.89			-10	10	08/25/2025	12:02	LB136951
	Sodium	360			0	0	08/25/2025	12:02	LB136951
	Thallium	-2.99			-40	40	08/25/2025	12:02	LB136951
	Vanadium	2.17			-40	40	08/25/2025	12:02	LB136951
	Zinc	3.59			-40	40	08/25/2025	12:02	LB136951
ICSAB01	Aluminum	253000	247000	102	209000	285000	08/25/2025	12:15	LB136951
	Antimony	608	618	98	525	711	08/25/2025	12:15	LB136951
	Arsenic	103	104	99	88.4	120	08/25/2025	12:15	LB136951
	Barium	507	537	94	437	637	08/25/2025	12:15	LB136951
	Beryllium	497	495	100	420	570	08/25/2025	12:15	LB136951
	Cadmium	981	972	101	826	1120	08/25/2025	12:15	LB136951
	Calcium	240000	235000	102	199000	271000	08/25/2025	12:15	LB136951
	Chromium	564	542	104	460	624	08/25/2025	12:15	LB136951
	Cobalt	497	476	104	404	548	08/25/2025	12:15	LB136951
	Copper	491	511	96	434	588	08/25/2025	12:15	LB136951
	Iron	101000	99300	102	84400	114500	08/25/2025	12:15	LB136951
	Lead	42.3	49.0	86	37	61	08/25/2025	12:15	LB136951
	Magnesium	254000	248000	102	210000	286000	08/25/2025	12:15	LB136951
	Manganese	502	507	99	430	584	08/25/2025	12:15	LB136951
	Nickel	988	954	104	810	1100	08/25/2025	12:15	LB136951
	Potassium	203			0	0	08/25/2025	12:15	LB136951
	Selenium	53.7	46.0	117	26	66	08/25/2025	12:15	LB136951
	Silver	217	201	108	170	232	08/25/2025	12:15	LB136951

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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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	Sodium	209			0	0	08/25/2025	12:15	LB136951
	Thallium	88.4	108	82	68	148	08/25/2025	12:15	LB136951
	Vanadium	496	491	101	417	565	08/25/2025	12:15	LB136951
	Zinc	1040	952	109	809	1095	08/25/2025	12:15	LB136951

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2934

contract: PORT06 **lab code:** ACE

matrix: Water **sample id:** Q2934-02 **client id:** ENV-SW02MS

Percent Solids for Sample: NA **Spiked ID:** Q2934-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1210		182		1000	102		P
Antimony	ug/L	75 - 125	412		6.48	J	400	101		P
Arsenic	ug/L	75 - 125	406		4.50	J	400	100		P
Barium	ug/L	75 - 125	273		169		100	104		P
Beryllium	ug/L	75 - 125	101		3.00	U	100	101		P
Cadmium	ug/L	75 - 125	98.2		3.00	U	100	98		P
Calcium	ug/L	75 - 125	37700		37200		500	113		P
Chromium	ug/L	75 - 125	213		2.47	J	200	105		P
Cobalt	ug/L	75 - 125	101		15.0	U	100	101		P
Copper	ug/L	75 - 125	160		9.63	J	150	100		P
Iron	ug/L	75 - 125	3830		2360		1500	99		P
Lead	ug/L	75 - 125	485		16.5		500	94		P
Magnesium	ug/L	75 - 125	14500		13500		1000	103		P
Manganese	ug/L	75 - 125	570		467		100	103		P
Nickel	ug/L	75 - 125	257		7.09	J	250	100		P
Potassium	ug/L	75 - 125	28000		23300		5000	94		P
Selenium	ug/L	75 - 125	973		10.0	U	1000	97		P
Silver	ug/L	75 - 125	15.6		5.00	U	37.5	42	N	P
Sodium	ug/L	75 - 125	54400		52600		1500	123		P
Thallium	ug/L	75 - 125	836		20.0	U	1000	84		P
Vanadium	ug/L	75 - 125	163		5.44	J	150	105		P
Zinc	ug/L	75 - 125	120		14.9	J	100	105		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2934

contract: PORT06 **lab code:** ACE

matrix: Water **sample id:** Q2934-02 **client id:** ENV-SW02MSD

Percent Solids for Sample: NA **Spiked ID:** Q2934-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1120		182		1000	94		P
Antimony	ug/L	75 - 125	393		6.48	J	400	97		P
Arsenic	ug/L	75 - 125	386		4.50	J	400	95		P
Barium	ug/L	75 - 125	257		169		100	89		P
Beryllium	ug/L	75 - 125	94.0		3.00	U	100	94		P
Cadmium	ug/L	75 - 125	92.8		3.00	U	100	93		P
Calcium	ug/L	75 - 125	36100		37200		500	-214		P
Chromium	ug/L	75 - 125	201		2.47	J	200	99		P
Cobalt	ug/L	75 - 125	95.3		15.0	U	100	95		P
Copper	ug/L	75 - 125	151		9.63	J	150	94		P
Iron	ug/L	75 - 125	3710		2360		1500	90		P
Lead	ug/L	75 - 125	460		16.5		500	89		P
Magnesium	ug/L	75 - 125	13900		13500		1000	38		P
Manganese	ug/L	75 - 125	544		467		100	77		P
Nickel	ug/L	75 - 125	243		7.09	J	250	94		P
Potassium	ug/L	75 - 125	26900		23300		5000	73		P
Selenium	ug/L	75 - 125	927		10.0	U	1000	93		P
Silver	ug/L	75 - 125	21.9		5.00	U	37.5	58	N	P
Sodium	ug/L	75 - 125	52000		52600		1500	-37		P
Thallium	ug/L	75 - 125	795		20.0	U	1000	80		P
Vanadium	ug/L	75 - 125	152		5.44	J	150	98		P
Zinc	ug/L	75 - 125	113		14.9	J	100	98		P

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metals
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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2934

contract: PORT06 **lab code:** ACE

matrix: Water **sample id:** Q2940-01 **client id:** COMP(1-6)MS

Percent Solids for Sample: NA **Spiked ID:** Q2940-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	4.19		0.20	U	4.0	105		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2934

contract: PORT06 **lab code:** ACE

matrix: Water **sample id:** Q2940-01 **client id:** COMP(1-6)MSD

Percent Solids for Sample: NA **Spiked ID:** Q2940-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	4.21		0.20	U	4.0	105		CV

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POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** ENV-SW02A

Sample ID: Q2934-02 **Spiked ID:** Q2934-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	75 - 125	15.3		5.00	U	37.5	41	N	P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2934-02 **Client ID:** ENV-SW02DUP

Percent Solids for Sample: NA **Duplicate ID** Q2934-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	182		173		5		P
Antimony	ug/L	20	6.48	J	6.62	J	2		P
Arsenic	ug/L	20	4.50	J	4.71	J	5		P
Barium	ug/L	20	169		168		1		P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	37200		37200		0		P
Chromium	ug/L	20	2.47	J	2.48	J	0		P
Cobalt	ug/L	20	15.0	U	15.0	U			P
Copper	ug/L	20	9.63	J	9.51	J	1		P
Iron	ug/L	20	2360		2380		1		P
Lead	ug/L	20	16.5		17.0		3		P
Magnesium	ug/L	20	13500		13500		0		P
Manganese	ug/L	20	467		467		0		P
Nickel	ug/L	20	7.09	J	7.51	J	6		P
Potassium	ug/L	20	23300		23500		1		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	52600		53400		2		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	5.44	J	5.81	J	7		P
Zinc	ug/L	20	14.9	J	14.6	J	2		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: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2934-02MS **Client ID:** ENV-SW02MSD

Percent Solids for Sample: NA **Duplicate ID** Q2934-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1210		1120		8		P
Antimony	ug/L	20	412		393		5		P
Arsenic	ug/L	20	406		386		5		P
Barium	ug/L	20	273		257		6		P
Beryllium	ug/L	20	101		94.0		7		P
Cadmium	ug/L	20	98.2		92.8		6		P
Calcium	ug/L	20	37700		36100		4		P
Chromium	ug/L	20	213		201		6		P
Cobalt	ug/L	20	101		95.3		6		P
Copper	ug/L	20	160		151		6		P
Iron	ug/L	20	3830		3710		3		P
Lead	ug/L	20	485		460		5		P
Magnesium	ug/L	20	14500		13900		4		P
Manganese	ug/L	20	570		544		5		P
Nickel	ug/L	20	257		243		6		P
Potassium	ug/L	20	28000		26900		4		P
Selenium	ug/L	20	973		927		5		P
Silver	ug/L	20	15.6		21.9		34	*	P
Sodium	ug/L	20	54400		52000		5		P
Thallium	ug/L	20	836		795		5		P
Vanadium	ug/L	20	163		152		7		P
Zinc	ug/L	20	120		113		6		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2940-01 **Client ID:** COMP(1-6)DUP

Percent Solids for Sample: NA **Duplicate ID** Q2940-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2940-01MS **Client ID:** COMP(1-6)MSD

Percent Solids for Sample: NA **Duplicate ID** Q2940-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	4.19		4.21		0		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169358BS							
Aluminum	ug/L	1000	1020		102	80 - 120	P
Antimony	ug/L	400	407		102	80 - 120	P
Arsenic	ug/L	400	393		98	80 - 120	P
Barium	ug/L	100	102		102	80 - 120	P
Beryllium	ug/L	100	102		102	80 - 120	P
Cadmium	ug/L	100	96.0		96	80 - 120	P
Calcium	ug/L	500	530	J	106	80 - 120	P
Chromium	ug/L	200	205		102	80 - 120	P
Cobalt	ug/L	100	98.5		98	80 - 120	P
Copper	ug/L	150	156		104	80 - 120	P
Iron	ug/L	1500	1540		103	80 - 120	P
Lead	ug/L	500	478		96	80 - 120	P
Magnesium	ug/L	1000	1030		103	80 - 120	P
Manganese	ug/L	100	105		105	80 - 120	P
Nickel	ug/L	250	248		99	80 - 120	P
Potassium	ug/L	5000	5120		102	80 - 120	P
Selenium	ug/L	1000	986		99	80 - 120	P
Silver	ug/L	37.5	37.9		101	80 - 120	P
Sodium	ug/L	1500	1570		105	80 - 120	P
Thallium	ug/L	1000	889		89	80 - 120	P
Vanadium	ug/L	150	153		102	80 - 120	P
Zinc	ug/L	100	104		104	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169413BS							
Mercury	ug/L	4.0	4.34		108	80 - 120	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

ENV-SW02L

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **Lb No.:** lb136951 **Lab Sample ID :** Q2934-02L **SDG No.:** Q2934

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
Aluminum	182		206	J	13		P
Antimony	6.48	J	125	U	100.0		P
Arsenic	4.50	J	50.0	U	100.0		P
Barium	169		168	J	1		P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	37200		38200		3		P
Chromium	2.47	J	25.0	U	100.0		P
Cobalt	15.0	U	75.0	U			P
Copper	9.63	J	50.0	U	100.0		P
Iron	2360		2270		4		P
Lead	16.5		13.6	J	18		P
Magnesium	13500		13800		2		P
Manganese	467		475		2		P
Nickel	7.09	J	100	U	100.0		P
Potassium	23300		22100		5		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	52600		49500		6		P
Thallium	20.0	U	100	U			P
Vanadium	5.44	J	100	U	100.0		P
Zinc	14.9	J	100	U	100.0		P

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ICP SERIAL DILUTIONS

SAMPLE NO.

COMP(1-6)L

Lab Name: Alliance **Contract:** PORT06

Lab Code: ACE **Lb No.:** lb136975 **Lab Sample ID :** Q2940-01L **SDG No.:** Q2934

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
Mercury	0.20	U	1.00	U			CV

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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: ACE **Sdg no.:** Q2934

Instrument id number: **Method:** **Run number:** LB136940

Start date: 08/22/2025 **End date:** 08/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1112	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	1116	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	1120	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	1124	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	1128	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	1133	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	1137	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	1145	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	1150	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	1156	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	1200	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	1204	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	1218	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	1222	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	1336	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	1340	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1425	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	1430	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2934-01	ENV-SW01	1	1503	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2934-03	ENV-SW03	1	1507	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2934-04	ENV-SW04	1	1526	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1544	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	1548	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1630	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1634	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: ACE **Sdg no.:** Q2934

Instrument id number: **Method:** **Run number:** LB136951

Start date: 08/25/2025 **End date:** 08/25/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1118	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	1123	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	1127	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	1131	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	1135	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	1139	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	1144	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	1148	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	1153	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	1157	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	1202	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	1215	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	1233	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	1242	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169358BL	PB169358BL	1	1301	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169358BS	PB169358BS	1	1305	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2934-04	ENV-SW04	2	1317	Na
Q2934-02	ENV-SW02	1	1322	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2934-02DUP	ENV-SW02DUP	1	1326	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	1344	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	1348	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2934-02L	ENV-SW02L	5	1352	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2934-02MS	ENV-SW02MS	1	1357	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2934-02MSD	ENV-SW02MSD	1	1401	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2934-02A	ENV-SW02A	1	1405	Ag
CCV03	CCV03	1	1433	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	1437	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	1523	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	1527	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1606	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1610	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: ACE **Sdg no.:** Q2934

Instrument id number: **Method:** **Run number:** LB136975

Start date: 08/27/2025 **End date:** 08/27/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0943	HG
S0.2	S0.2	1	0945	HG
S2.5	S2.5	1	0947	HG
S5	S5	1	0952	HG
S7.5	S7.5	1	0957	HG
S10	S10	1	1000	HG
ICV07	ICV07	1	1003	HG
ICB07	ICB07	1	1005	HG
CCV18	CCV18	1	1007	HG
CCB18	CCB18	1	1009	HG
CRA	CRA	1	1012	HG
PB169413BL	PB169413BL	1	1019	HG
PB169413BS	PB169413BS	1	1021	HG
Q2934-01	ENV-SW01	1	1024	HG
Q2934-02	ENV-SW02	1	1026	HG
Q2934-03	ENV-SW03	1	1028	HG
Q2934-04	ENV-SW04	1	1030	HG
CCV19	CCV19	1	1035	HG
CCB19	CCB19	1	1037	HG
Q2940-01DUP	COMP(1-6)DUP	1	1039	HG
Q2940-01MS	COMP(1-6)MS	1	1042	HG
Q2940-01MSD	COMP(1-6)MSD	1	1044	HG
Q2940-01L	COMP(1-6)L	5	1126	HG
CCV20	CCV20	1	1133	HG
CCB20	CCB20	1	1135	HG

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE

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:	Q2934	**OrderDate:**	8/21/2025 2:34:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2934-01	**ENV-SW01**	**Water**			**08/21/25**			**08/21/25**
			Mercury	7470A		08/26/25	08/27/25	
			Metals ICP-TAL	6010D		08/22/25	08/22/25	
Q2934-02	**ENV-SW02**	**Water**			**08/21/25**			**08/21/25**
			Mercury	7470A		08/26/25	08/27/25	
			Metals ICP-TAL	6010D		08/22/25	08/25/25	
Q2934-03	**ENV-SW03**	**Water**			**08/21/25**			**08/21/25**
			Mercury	7470A		08/26/25	08/27/25	
			Metals ICP-TAL	6010D		08/22/25	08/22/25	
Q2934-04	**ENV-SW04**	**Water**			**08/21/25**			**08/21/25**
			Mercury	7470A		08/26/25	08/27/25	
			Metals ICP-TAL	6010D		08/22/25	08/22/25	
			Metals ICP-TAL	6010D		08/22/25	08/25/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169358**						
PB169358BL	PB169358BL	MB	WATER	08/22/2025	50.0	25.0	
PB169358BS	PB169358BS	LCS	WATER	08/22/2025	50.0	25.0	
Q2934-01	ENV-SW01	SAM	WATER	08/22/2025	50.0	25.0	
Q2934-02	ENV-SW02	SAM	WATER	08/22/2025	50.0	25.0	
Q2934-02DUP	ENV-SW02DUP	DUP	WATER	08/22/2025	50.0	25.0	
Q2934-02MS	ENV-SW02MS	MS	WATER	08/22/2025	50.0	25.0	
Q2934-02MSD	ENV-SW02MSD	MSD	WATER	08/22/2025	50.0	25.0	
Q2934-03	ENV-SW03	SAM	WATER	08/22/2025	50.0	25.0	
Q2934-04	ENV-SW04	SAM	WATER	08/22/2025	50.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Contract: PORT06 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169413**						
PB169413BL	PB169413BL	MB	WATER	08/26/2025	30.0	30.0	
PB169413BS	PB169413BS	LCS	WATER	08/26/2025	30.0	30.0	
Q2934-01	ENV-SW01	SAM	WATER	08/26/2025	30.0	30.0	
Q2934-02	ENV-SW02	SAM	WATER	08/26/2025	30.0	30.0	
Q2934-03	ENV-SW03	SAM	WATER	08/26/2025	30.0	30.0	
Q2934-04	ENV-SW04	SAM	WATER	08/26/2025	30.0	30.0	
Q2940-01DUP	COMP(1-6)DUP	DUP	WATER	08/26/2025	30.0	30.0	
Q2940-01MS	COMP(1-6)MS	MS	WATER	08/26/2025	30.0	30.0	
Q2940-01MSD	COMP(1-6)MSD	MSD	WATER	08/26/2025	30.0	30.0	

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136940

Review By	Janvi	Review On	8/25/2025 10:18:24 AM
Supervise By	jaswal	Supervise On	8/25/2025 10:05:20 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86645,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86652
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/22/25 11:12		Jaswal	OK
2	S1	S1	CAL2	08/22/25 11:16		Jaswal	OK
3	S2	S2	CAL3	08/22/25 11:20		Jaswal	OK
4	S3	S3	CAL4	08/22/25 11:24		Jaswal	OK
5	S4	S4	CAL5	08/22/25 11:28		Jaswal	OK
6	S5	S5	CAL6	08/22/25 11:33		Jaswal	OK
7	ICV01	ICV01	ICV	08/22/25 11:37		Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/22/25 11:45		Jaswal	OK
9	ICB01	ICB01	ICB	08/22/25 11:50		Jaswal	OK
10	CRI01	CRI01	CRDL	08/22/25 11:56		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/22/25 12:00		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/22/25 12:04		Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/22/25 12:09		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/22/25 12:13		Jaswal	OK
15	CCV01	CCV01	CCV	08/22/25 12:18		Jaswal	OK
16	CCB01	CCB01	CCB	08/22/25 12:22		Jaswal	OK
17	LR-2	LR-2	HIGH STD	08/22/25 12:31		Jaswal	OK
18	LR-3	LR-3	HIGH STD	08/22/25 12:35		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136940

Review By	Janvi	Review On	8/25/2025 10:18:24 AM
Supervise By	jaswal	Supervise On	8/25/2025 10:05:20 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86645,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86652
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

19	PB169324BL	PB169324BL	MB	08/22/25 12:45		Jaswal	OK
20	Q2902-04	OUTFALL-DSN-002	SAM	08/22/25 13:07		Jaswal	OK
21	Q2902-04DUP	OUTFALL-DSN-002D	DUP	08/22/25 13:14		Jaswal	OK
22	LR-1	LR-1	HIGH STD	08/22/25 13:19		Jaswal	OK
23	Q2902-04L	OUTFALL-DSN-002L	SD	08/22/25 13:27		Jaswal	OK
24	Q2902-04MS	OUTFALL-DSN-002M	MS	08/22/25 13:32		Jaswal	OK
25	CCV02	CCV02	CCV	08/22/25 13:36		Jaswal	OK
26	CCB02	CCB02	CCB	08/22/25 13:40		Jaswal	OK
27	Q2902-04MSD	OUTFALL-DSN-002M	MSD	08/22/25 13:44		Jaswal	OK
28	Q2902-04A	OUTFALL-DSN-002A	PS	08/22/25 13:48	0.1ML OF M6004 AND M6017 IN 10ML SAMPLE.	Jaswal	OK
29	Q2904-01	001 willets Pt Blvd(july	SAM	08/22/25 13:52		Jaswal	OK
30	Q2904-02	002 35th Ave (JULY)	SAM	08/22/25 13:56		Jaswal	OK
31	PB169324BS	PB169324BS	LCS	08/22/25 14:00		Jaswal	OK
32	PB169338BL	PB169338BL	MB	08/22/25 14:04		Jaswal	OK
33	PB169338BS	PB169338BS	LCS	08/22/25 14:09		Jaswal	OK
34	Q2909-03	4066	SAM	08/22/25 14:13		Jaswal	OK
35	Q2909-04	4067	SAM	08/22/25 14:17		Jaswal	OK
36	Q2909-04DUP	4067DUP	DUP	08/22/25 14:21		Jaswal	OK
37	CCV03	CCV03	CCV	08/22/25 14:25		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136940

Review By	Janvi	Review On	8/25/2025 10:18:24 AM
Supervise By	jaswal	Supervise On	8/25/2025 10:05:20 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86645,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86652
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

38	CCB03	CCB03	CCB	08/22/25 14:30		Jaswal	OK
39	Q2909-04L	4067L	SD	08/22/25 14:34		Jaswal	OK
40	Q2909-04A	4067A	PS	08/22/25 14:46	0.1ML OF M6004 AND M6017 IN 10ML SAMPLE.	Jaswal	OK
41	PB169332BL	PB169332BL	MB	08/22/25 14:50		Jaswal	OK
42	PB169332BS	PB169332BS	LCS	08/22/25 14:55		Jaswal	OK
43	Q2927-01	A6121M	SAM	08/22/25 14:59		Jaswal	OK
44	Q2934-01	ENV-SW01	SAM	08/22/25 15:03		Jaswal	OK
45	Q2934-03	ENV-SW03	SAM	08/22/25 15:07		Jaswal	OK
46	Q2909-04MS	4067MS	MS	08/22/25 15:12		Jaswal	OK
47	Q2909-04MSD	4067MSD	MSD	08/22/25 15:22		Jaswal	OK
48	Q2934-04	ENV-SW04	SAM	08/22/25 15:26	Na high	Jaswal	Dilution
49	CCV04	CCV04	CCV	08/22/25 15:44		Jaswal	OK
50	CCB04	CCB04	CCB	08/22/25 15:48		Jaswal	OK
51	Q2934-02	ENV-SW02	SAM	08/22/25 15:53	NOT USE	Jaswal	Not Ok
52	Q2934-02DUP	ENV-SW02DUP	DUP	08/22/25 15:57	NOT USE	Jaswal	Not Ok
53	Q2934-02L	ENV-SW02L	SD	08/22/25 16:01	NOT USE	Jaswal	Not Ok
54	Q2934-02MS	ENV-SW02MS	MS	08/22/25 16:05	NOT USE	Jaswal	Not Ok
55	Q2934-02MSD	ENV-SW02MSD	MSD	08/22/25 16:09	NOT USE	Jaswal	Not Ok
56	Q2934-02A	ENV-SW02A	PS	08/22/25 16:13	NOT USE	Jaswal	Not Ok

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136940

Review By	Janvi	Review On	8/25/2025 10:18:24 AM
Supervise By	jaswal	Supervise On	8/25/2025 10:05:20 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86645,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86652
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

57	PB169358BL	PB169358BL	MB	08/22/25 16:17	NOT USE	Jaswal	Not Ok
58	PB169358BS	PB169358BS	LCS	08/22/25 16:21	NOT USE	Jaswal	Not Ok
59	Q2934-04DL	ENV-SW04DL	SAM	08/22/25 16:25	NOT USE	Jaswal	Not Ok
60	CCV05	CCV05	CCV	08/22/25 16:30	CCV fail for TI	Jaswal	OK
61	CCB05	CCB05	CCB	08/22/25 16:34		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136951

Review By	Janvi	Review On	8/26/2025 1:00:45 PM
Supervise By	jaswal	Supervise On	8/27/2025 10:19:36 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86645,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86752
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/25/25 11:18		Jaswal	OK
2	S1	S1	CAL2	08/25/25 11:23		Jaswal	OK
3	S2	S2	CAL3	08/25/25 11:27		Jaswal	OK
4	S3	S3	CAL4	08/25/25 11:31		Jaswal	OK
5	S4	S4	CAL5	08/25/25 11:35		Jaswal	OK
6	S5	S5	CAL6	08/25/25 11:39		Jaswal	OK
7	ICV01	ICV01	ICV	08/25/25 11:44		Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/25/25 11:48		Jaswal	OK
9	ICB01	ICB01	ICB	08/25/25 11:53		Jaswal	OK
10	CRI01	CRI01	CRDL	08/25/25 11:57		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/25/25 12:02		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/25/25 12:15		Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/25/25 12:19		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/25/25 12:23		Jaswal	OK
15	CCV01	CCV01	CCV	08/25/25 12:33		Jaswal	OK
16	CCB01	CCB01	CCB	08/25/25 12:42		Jaswal	OK
17	LR-1	LR-1	HIGH STD	08/25/25 12:47		Jaswal	OK
18	LR-2	LR-2	HIGH STD	08/25/25 12:51		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136951

Review By	Janvi	Review On	8/26/2025 1:00:45 PM
Supervise By	jaswal	Supervise On	8/27/2025 10:19:36 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86645,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86752
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

19	LR-3	LR-3	HIGH STD	08/25/25 12:56		Jaswal	OK
20	PB169358BL	PB169358BL	MB	08/25/25 13:01		Jaswal	OK
21	PB169358BS	PB169358BS	LCS	08/25/25 13:05		Jaswal	OK
22	PB169357BL	PB169357BL	MB	08/25/25 13:09		Jaswal	OK
23	PB169357BS	PB169357BS	LCS	08/25/25 13:13		Jaswal	OK
24	Q2934-04DL	ENV-SW04DL	SAM	08/25/25 13:17	2x for Na	Jaswal	Confirms
25	Q2934-02	ENV-SW02	SAM	08/25/25 13:22		Jaswal	OK
26	Q2934-02DUP	ENV-SW02DUP	DUP	08/25/25 13:26		Jaswal	OK
27	CCV02	CCV02	CCV	08/25/25 13:44		Jaswal	OK
28	CCB02	CCB02	CCB	08/25/25 13:48		Jaswal	OK
29	Q2934-02L	ENV-SW02L	SD	08/25/25 13:52		Jaswal	OK
30	Q2934-02MS	ENV-SW02MS	MS	08/25/25 13:57		Jaswal	OK
31	Q2934-02MSD	ENV-SW02MSD	MSD	08/25/25 14:01		Jaswal	OK
32	Q2934-02A	ENV-SW02A	PS	08/25/25 14:05	0.1 ML OF M6004 AND M6017 EACH IN 10ML SAMPLE.	Jaswal	OK
33	Q2926-01	TR-04-08212025	SAM	08/25/25 14:08		Jaswal	OK
34	Q2928-01	27-BELL	SAM	08/25/25 14:12		Jaswal	OK
35	Q2932-01	ARS20-0009	SAM	08/25/25 14:16		Jaswal	OK
36	Q2932-03	ARS20-0002-SOIL	SAM	08/25/25 14:21		Jaswal	OK
37	Q2932-05	ARS20-0002-CONCR	SAM	08/25/25 14:25		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136951

Review By	Janvi	Review On	8/26/2025 1:00:45 PM
Supervise By	jaswal	Supervise On	8/27/2025 10:19:36 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86645,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86752
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

38	Q2933-02	25-SEPTIC	SAM	08/25/25 14:29		Jaswal	OK
39	CCV03	CCV03	CCV	08/25/25 14:33		Jaswal	OK
40	CCB03	CCB03	CCB	08/25/25 14:37		Jaswal	OK
41	Q2933-04	29-SEPTIC	SAM	08/25/25 14:41		Jaswal	OK
42	Q2933-04DUP	29-SEPTICDUP	DUP	08/25/25 14:46		Jaswal	OK
43	Q2933-04L	29-SEPTICL	SD	08/25/25 14:50		Jaswal	OK
44	Q2933-04MS	29-SEPTICMS	MS	08/25/25 14:54		Jaswal	OK
45	Q2933-04MSD	29-SEPTICMSD	MSD	08/25/25 14:58		Jaswal	OK
46	Q2933-04A	29-SEPTICA	PS	08/25/25 15:02	0.1 ML OF M6004 AND M6017 EACH IN 10ML SAMPLE.	Jaswal	OK
47	PB169378BL	PB169378BL	MB	08/25/25 15:06		Jaswal	OK
48	PB169378BS	PB169378BS	LCS	08/25/25 15:10		Jaswal	OK
49	Q2932-02	ARS20-0009	SAM	08/25/25 15:14		Jaswal	OK
50	Q2932-04	ARS20-0002-SOIL	SAM	08/25/25 15:19		Jaswal	OK
51	CCV04	CCV04	CCV	08/25/25 15:23		Jaswal	OK
52	CCB04	CCB04	CCB	08/25/25 15:27		Jaswal	OK
53	Q2941-02	SOIL-COMP(1-2)	SAM	08/25/25 15:36		Jaswal	OK
54	Q2941-02DUP	SOIL-COMP(1-2)DUP	DUP	08/25/25 15:40		Jaswal	OK
55	Q2941-02L	SOIL-COMP(1-2)L	SD	08/25/25 15:45		Jaswal	OK
56	Q2941-02MS	SOIL-COMP(1-2)MS	MS	08/25/25 15:49		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136951

Review By	Janvi	Review On	8/26/2025 1:00:45 PM
Supervise By	jaswal	Supervise On	8/27/2025 10:19:36 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86645,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86752
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

57	Q2941-02MSD	SOIL-COMP(1-2)MSD	MSD	08/25/25 15:53		Jaswal	OK
58	Q2941-02A	SOIL-COMP(1-2)A	PS	08/25/25 15:57	0.1 ML OF M6004 AND M6017 EACH IN 10ML SAMPLE.	Jaswal	OK
59	PB169355TB	PB169355TB	MB	08/25/25 16:01		Jaswal	OK
60	CCV05	CCV05	CCV	08/25/25 16:06		Jaswal	OK
61	CCB05	CCB05	CCB	08/25/25 16:10		Jaswal	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136975

Review By	Sagar	Review On	8/28/2025 11:01:29 AM
Supervise By	jaswal	Supervise On	8/28/2025 5:31:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP86920,MP86922,MP86923,MP86924,MP86925,MP86926
ICV Standard	MP86927
CCV Standard	MP869029
ICSA Standard	
CRI Standard	MP86932
LCS Standard	
Chk Standard	MP86928,MP86930,MP86931,MP86940

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/27/25 09:43		mohan	OK
2	S0.2	S0.2	CAL2	08/27/25 09:45		mohan	OK
3	S2.5	S2.5	CAL3	08/27/25 09:47		mohan	OK
4	S5	S5	CAL4	08/27/25 09:52		mohan	OK
5	S7.5	S7.5	CAL5	08/27/25 09:57		mohan	OK
6	S10	S10	CAL6	08/27/25 10:00		mohan	OK
7	ICV07	ICV07	ICV	08/27/25 10:03		mohan	OK
8	ICB07	ICB07	ICB	08/27/25 10:05		mohan	OK
9	CCV18	CCV18	CCV	08/27/25 10:07		mohan	OK
10	CCB18	CCB18	CCB	08/27/25 10:09		mohan	OK
11	CRA	CRA	CRDL	08/27/25 10:12		mohan	OK
12	HighStd	HighStd	HIGH STD	08/27/25 10:14		mohan	OK
13	ChkStd	ChkStd	SAM	08/27/25 10:17		mohan	OK
14	PB169413BL	PB169413BL	MB	08/27/25 10:19		mohan	OK
15	PB169413BS	PB169413BS	LCS	08/27/25 10:21		mohan	OK
16	Q2934-01	ENV-SW01	SAM	08/27/25 10:24		mohan	OK
17	Q2934-02	ENV-SW02	SAM	08/27/25 10:26		mohan	OK
18	Q2934-03	ENV-SW03	SAM	08/27/25 10:28		mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136975

Review By	Sagar	Review On	8/28/2025 11:01:29 AM
Supervise By	jaswal	Supervise On	8/28/2025 5:31:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP86920,MP86922,MP86923,MP86924,MP86925,MP86926
ICV Standard	MP86927
CCV Standard	MP869029
ICSA Standard	
CRI Standard	MP86932
LCS Standard	
Chk Standard	MP86928,MP86930,MP86931,MP86940

19	Q2934-04	ENV-SW04	SAM	08/27/25 10:30		mohan	OK
20	Q2940-01	COMP(1-6)	SAM	08/27/25 10:33		mohan	OK
21	CCV19	CCV19	CCV	08/27/25 10:35		mohan	OK
22	CCB19	CCB19	CCB	08/27/25 10:37		mohan	OK
23	Q2940-01DUP	COMP(1-6)DUP	DUP	08/27/25 10:39		mohan	OK
24	Q2940-01MS	COMP(1-6)MS	MS	08/27/25 10:42		mohan	OK
25	Q2940-01MSD	COMP(1-6)MSD	MSD	08/27/25 10:44		mohan	OK
26	Q2954-11	BRIDGE	SAM	08/27/25 10:46		mohan	OK
27	Q2961-01	4075	SAM	08/27/25 10:49		mohan	OK
28	Q2940-01L	COMP(1-6)L	SD	08/27/25 11:26		mohan	OK
29	Q2940-01A	COMP(1-6)A	PS	08/27/25 11:28		mohan	OK
30	CCV20	CCV20	CCV	08/27/25 11:33		mohan	OK
31	CCB20	CCB20	CCB	08/27/25 11:35		mohan	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169358

SOP ID : M3010A-Digestion-17

SDG No : N/A

Start Digest Date: 08/22/2025 **Time :** 10:30 **Temp :** 97 °C

Matrix : WATER

End Digest Date: 08/22/2025 **Time :** 13:32 **Temp :** 98 °C

Pippete ID: ICP A

Digestion tube ID: M5595

Balance ID : N/A

Block thermometer ID: MET-DIG. #1

Filter paper ID : N/A

Dig Technician Signature: SKS,

pH Strip ID : M6069

Supervisor Signature:

Hood ID : #3

Temp : 1. 96°C 2. N/A

Block ID: 1. HOT BLOCK #1 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6180
LFS-2	0.25	M6181
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	M6158
1:1 HCL	5.00	MP85156
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#50 97C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/22/25 14:32	SKS metals	Metals Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169358BL	PBW358	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB169358BS	LCS358	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	2
Q2927-01	A6121M	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3
Q2934-01	ENV-SW01	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q2934-02	ENV-SW02	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q2934-02MS	ENV-SW02MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	7
Q2934-02MSD	ENV-SW02MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	8
Q2934-02DUP	ENV-SW02DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q2934-03	ENV-SW03	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	9
Q2934-04	ENV-SW04	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	10

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB169413

SOP ID : M7470A-Mercury-20

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: 08/26/2025 **Time :** 15:05 **Temp :** 94 °C

End Digest Date: 08/26/2025 **Time :** 17:05 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: 92

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86927
CCV	30mL	MP86929
CRA	30mL	MP86932
Blank Spike	0.48mL	MP86919
Matrix Spike	0.48mL	MP86919

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
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	MP86920
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30Ml	MP86922
2.5 ppb	S2.5	30Ml	MP86923
5.0 ppb	S5.0	30Ml	MP86924
7.5 ppb	S7.5	30Ml	MP86925
10.0 ppb	S10.0	30Ml	MP86926
ICV	ICV	30Ml	MP86927
ICB	ICB	30Ml	MP86928
CCV	CCV	30Ml	MP86929
CCB	CCB	30Ml	MP86930
CRI	CRI	30Ml	MP86932
CHK STD	CHK STD	30Ml	MP86931

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/26/2025 17:40	MB - Dig. Lab	MB - Method Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB169413BL	PBW413	30	30	<2	N/A	3-1
PB169413BS	LCS413	30	30	<2	MP86919	2
Q2934-01	ENV-SW01	30	30	<2	N/A	3
Q2934-02	ENV-SW02	30	30	<2	N/A	4
Q2934-03	ENV-SW03	30	30	<2	N/A	5
Q2934-04	ENV-SW04	30	30	<2	N/A	6
Q2940-01	COMP(1-6)	30	30	<2	N/A	7
Q2940-01DUP	COMP(1-6)DUP	30	30	<2	N/A	8
Q2940-01MS	COMP(1-6)MS	30	30	<2	MP86919	9
Q2940-01MSD	COMP(1-6)MSD	30	30	<2	MP86919	10
Q2954-11	BRIDGE	30	30	<2	N/A	11
Q2961-01	4075	30	30	<2	N/A	12

SAMPLE DATA

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25 09:40
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.0030	U	1	0.0030	0.010	mg/L		08/21/25 16:23	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		08/22/25 15:03	6010D

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25 10:15
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.0030	U	1	0.0030	0.010	mg/L		08/21/25 16:23	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		08/25/25 13:22	6010D

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

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25 11:00
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.0030	U	1	0.0030	0.010	mg/L		08/21/25 16:25	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		08/22/25 15:07	6010D

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25 11:30
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.0030	U	1	0.0030	0.010	mg/L		08/21/25 16:27	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		08/22/25 15:26	6010D

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:	Portal Partners Tri-Venture	**SDG No.:**	Q2934
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB136915

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.505	0.5	101	90-110	08/21/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.505	0.5	101	90-110	08/21/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	08/21/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	08/21/2025

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Initial and Continuing Calibration Blank Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q2934
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB136915

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/21/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/21/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/21/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/21/2025

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Preparation Blank Summary

Client: Portal Partners Tri-Venture **SDG No.:** Q2934

Project: Amtrak Sawtooth Bridges 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: **lb136915BL**							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	08/21/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q2934
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q2934-02
Client ID: ENV-SW02MS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/L	90-111	0.98		0.0030	U	1.0	2	98		08/21/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q2934
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q2934-02
Client ID: ENV-SW02MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/L	90-111	0.98		0.0030	U	1.0	2	98		08/21/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: Q2934
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q2934-02
Client ID: ENV-SW02DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/L	+/-20	0.0030	U	0.0030	U	1	0		08/21/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: Q2934
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q2934-02
Client ID: ENV-SW02MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/L	+/-20	0.98		0.98		2	0.41		08/21/2025

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Laboratory Control Sample Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q2934
Project:	Amtrak Sawtooth Bridges 2025	**Run No.:**	LB136915

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID lb136915BS								
Hexavalent Chromium	mg/L	0.5	0.51		102	1	90-111	08/21/2025

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136915

Review By	rubina	Review On	8/22/2025 12:16:37 PM
Supervise By	jignesh	Supervise On	8/22/2025 12:32:39 PM
SubDirectory	LB136915	Test	Hexavalent Chromium

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	WP114358,WP114357,WP114355,WP114365,WP114364,WP112831,WP114362,WP114363,WP114356,WP114361,V

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	08/21/25 16:15		rubina	OK
2	CAL2	CAL2	CAL	08/21/25 16:15		rubina	OK
3	CAL3	CAL3	CAL	08/21/25 16:16		rubina	OK
4	CAL4	CAL4	CAL	08/21/25 16:16		rubina	OK
5	CAL5	CAL5	CAL	08/21/25 16:17		rubina	OK
6	CAL6	CAL6	CAL	08/21/25 16:17		rubina	OK
7	CAL7	CAL7	CAL	08/21/25 16:18		rubina	OK
8	ICV	ICV	ICV	08/21/25 16:18		rubina	OK
9	ICB	ICB	ICB	08/21/25 16:19		rubina	OK
10	CCV1	CCV1	CCV	08/21/25 16:19		rubina	OK
11	CCB1	CCB1	CCB	08/21/25 16:20		rubina	OK
12	RL Check	RL Check	RL	08/21/25 16:20		rubina	OK
13	lb136915BL	lb136915BL	MB	08/21/25 16:21		rubina	OK
14	lb136915BS	lb136915BS	LCS	08/21/25 16:21		rubina	OK
15	Q2893-07	LOD-MDL-WATER-01	SAM	08/21/25 16:22		rubina	OK
16	Q2893-08	LOQ-WATER-02-QT3	SAM	08/21/25 16:22		rubina	OK
17	Q2934-01	ENV-SW01	SAM	08/21/25 16:23		rubina	OK
18	Q2934-02	ENV-SW02	SAM	08/21/25 16:23		rubina	OK

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Fax : 908 789 8922

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136915

Review By	rubina	Review On	8/22/2025 12:16:37 PM
Supervise By	jignesh	Supervise On	8/22/2025 12:32:39 PM
SubDirectory	LB136915	Test	Hexavalent Chromium

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	WP114358,WP114357,WP114355,WP114365,WP114364,WP112831,WP114362,WP114363,WP114356,WP114361,V

19	Q2934-02DUP	ENV-SW02DUP	DUP	08/21/25 16:24		rubina	OK
20	Q2934-02MS	ENV-SW02MS	MS	08/21/25 16:24		rubina	OK
21	Q2934-02MSD	ENV-SW02MSD	MSD	08/21/25 16:25		rubina	OK
22	Q2934-03	ENV-SW03	SAM	08/21/25 16:25		rubina	OK
23	CCV2	CCV2	CCV	08/21/25 16:26		rubina	OK
24	CCB2	CCB2	CCB	08/21/25 16:26		rubina	OK
25	Q2934-04	ENV-SW04	SAM	08/21/25 16:27		rubina	OK
26	CCV3	CCV3	CCV	08/21/25 16:27		rubina	OK
27	CCB3	CCB3	CCB	08/21/25 16:28		rubina	OK

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LAB CHRONICLE

OrderID:	Q2934	**OrderDate:**	8/21/2025 2:34:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2934-01	**ENV-SW01**	**WATER**			**08/21/25 09:40**			**08/21/25**
			Hexavalent Chromium	7196A			08/21/25 16:23	
			trivalent Chromium	6010D			08/22/25 15:03	
Q2934-02	**ENV-SW02**	**WATER**			**08/21/25 10:15**			**08/21/25**
			Hexavalent Chromium	7196A			08/21/25 16:23	
			trivalent Chromium	6010D			08/25/25 13:22	
Q2934-03	**ENV-SW03**	**WATER**			**08/21/25 11:00**			**08/21/25**
			Hexavalent Chromium	7196A			08/21/25 16:25	
			trivalent Chromium	6010D			08/22/25 15:07	
Q2934-04	**ENV-SW04**	**WATER**			**08/21/25 11:30**			**08/21/25**
			Hexavalent Chromium	7196A			08/21/25 16:27	
			trivalent Chromium	6010D			08/22/25 15:26	

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. Q2934
COC Number 2045010

11
11.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 1010 Abrams Ave
CITY Audubon STATE: PA ZIP: 19403
ATTENTION: Joe Krupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Replacement of Sawtooth Bridges
PROJECT NO.: LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC @ bemsys.com
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield St
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Yazmeen Gomez PHONE: 908-718-3198

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT BEM

ANALYSIS

1 TCL-SVOCs+20
2 TCL-VOCs+10
3. PCBs
4 EPH
5 TAL Metals
6 Cr(VI)/Cr(III)
7
8
9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (E)	2 (A)	3 (E)	4 (A)	5 (B)	6 (C)	7	8	9	COMMENTS
1.	ENV-SW01	WS		G	8/21/25	940	8	X	X	X	X	X	X				
2.	ENV-SW02	WS		G	↓	1015	8	↓	↓	↓	↓	↓	↓				
3.	ENV-SW03	WS		G	↓	1100	8	↓	↓	↓	↓	↓	↓				
4.	ENV-SW04	WS		G	↓	1130	8	↓	↓	↓	↓	↓	↓				
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES — COMMENTS
← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Nathalie Zucco	8/21/25 1435	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
Comments: IR Gun #1

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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Q2934
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	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2934 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 8/21/2025 2:34:00 PM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 8/21/2025 2:35:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2934-01	ENV-SW01	Water	08/21/2025	09:40					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2934-02	ENV-SW02	Water	08/21/2025	10:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2934-03	ENV-SW03	Water	08/21/2025	11:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2934-04	ENV-SW04	Water	08/21/2025	11:30					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By : [signature]
Date / Time : 8/21/25 1455

Received By : [signature]
Date / Time : 8/21/25 1455

Storage Area : VOA Refridgerator Room