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

DATA PACKAGE

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

PROJECT NAME : AMTRAK SAWTOOTH BRIDGES 2024

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 : P5299

ATTENTION : Joseph Krupansky

Laboratory Certification ID # 20012

Table Of Contents for P5299

1) Signature Page 3

2) Case Narrative 5

2.1) VOC-TCLVOA-10- Case Narrative 5

2.2) SVOC-TCL BNA -20- Case Narrative 7

2.3) PCB- Case Narrative 9

2.4) EPH- Case Narrative 11

2.5) Metals-AES- Case Narrative 13

2.6) Genchem- Case Narrative 15

3) Qualifier Page 16

4) QA Checklist 18

5) VOC-TCLVOA-10 Data 19

6) SVOC-TCL BNA -20 Data 171

7) PCB Data 376

8) EPH Data 462

9) Metals-AES Data 697

10) Genchem Data 769

11) Shipping Document 788

11.1) CHAIN OF CUSTODY 789

11.2) Lab Certificate 790

11.3) Internal COC 791

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : CHEMTECH

Client : Portal Partners Tri-Venture

Project Location : NJ

Project Number : 9500000878 - Amtrak Sawtooth Bridges 2024

Laboratory Sample ID(s) : P5299

Sampling Date(s) : 12/14/2024,12/15/2024

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,6010D,7196A,7471B,8082A,8260D,8270E,NJEPH**

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 : P5299

Project ID : Amtrak Sawtooth Bridges 2024

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
P5299-01	SB-01
P5299-02	SB-02
P5299-03	SB-01
P5299-04	SB-02

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: 12/30/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P5299
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 12/16/2024.

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 VOC-TCLVOA-10.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82Y121724S.M) for Acetone,Chloroform this compound is passing on Linear Regression.

The Continuous Calibration File ID VY020624.D met the requirements except for Chloroethane is failing high but no positive hit in associate sample therefore no corrective action taken.

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.

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Trip Blank was not provided with this set of samples.

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

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Signature_____

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P5299
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 12/16/2024.

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 SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {P5306-09MS} with File ID: BF140948.D recoveries met the requirements for all compounds except for 3,3-Dichlorobenzidine[56%], 3-Nitroaniline[61%], 4-Chloroaniline[45%], these compounds did not meet the NJDKQP criteria but met the in-house criteria while Indeno(1,2,3-cd)pyrene[133%], this compound did not meet the NJDKQP criteria and in-house criteria, due to matrix interference, therefore no further corrective action was taken.

The MSD {P5306-09MSD} with File ID: BF140949.D recoveries met the acceptable requirements except for 3,3-Dichlorobenzidine[61%], 3-Nitroaniline[61%], 4-Chloroaniline[43%], these compounds did not meet the NJDKQP criteria but met the in-house criteria while Atrazine[139%], Dibenz(a,h)anthracene[133%] and Indeno(1,2,3-cd)pyrene[133%], these compounds did not meet the NJDKQP criteria and in-house criteria, due to matrix interference, therefore no further corrective action was taken.

The RPD met criteria .

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The Blank Spike for {PB165705BS} with File ID: BF140944.D met requirements for all samples except for 3,3-Dichlorobenzidine[65%], 3-Nitroaniline[65%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF121624.M) for 2,4-Dinitrophenol,4-Nitrophenol , these compounds are passing on Linear Regression and Hexachlorocyclopentadiene is passing on Quadratic regression.

The % RSD is greater than 20% in the Initial Calibration (8270-BF122624.M) for Benzaldehyde, 2-Nitrophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 3-Nitroaniline, 2,4-Dinitrotoluene, 4-Nitroaniline, 4,6-Dinitro-2-methylphenol, these compounds are passing on Linear Regression and 2,4-Dinitrophenol, is passing on Quadratic regression

The Continuous Calibration File ID BF140942.D met the requirements except for Benzo(g,h,i)perylene,Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene, The associate samples have no positive hit for these compounds therefore no corrective action was 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 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

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

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P5299
Test Name: PCB

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 12/16/2024.

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 PCB.

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:

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

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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.

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P5299
Test Name: EPH

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 12/16/2024.

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 EPH.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:

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

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

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

Signature_____

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P5299
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 12/16/2024.

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 Metals ICP-TAL,Mercury.

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.

The Matrix Spike (HR-04-121624MS) analysis met criteria for all samples except for Mercury due to sample matrix interference. The Matrix Spike (SB-02MS) analysis met criteria for all samples except for Antimony, Barium, Beryllium, Chromium, Potassium, Selenium and Vanadium due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (HR-04-121624MSD) analysis met criteria for all samples except for Mercury due to sample matrix interference. The Matrix Spike Duplicate (SB-02MSD) analysis met criteria for all samples except for Antimony, Barium, Chromium, Copper, Potassium, Selenium, Sodium, Vanadium and Zinc due to Chemical Interference during Digestion Process.

The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

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

Signature_____

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P5299
Test Name: Hexavalent Chromium,Trivalent Chromium

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 12/16/2024.

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 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 samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

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

Signature_____

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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 #: P5299

	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:** 12/30/2024

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Hit Summary Sheet
SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**SB-01**								
P5299-01	SB-01	SOIL	unknown13.670	*	12.2	J	0	0	ug/Kg
P5299-01	SB-01	SOIL	unknown15.054	*	6.40	J	0	0	ug/Kg
P5299-01	SB-01	SOIL	Dodecane	*	7.70	J	0	0	ug/Kg
P5299-01	SB-01	SOIL	Tridecane	*	7.80	J	0	0	ug/Kg
P5299-01	SB-01	SOIL	Tetradecane	*	8.30	J	0	0	ug/Kg
P5299-01	SB-01	SOIL	Naphthalene, decahydro-2,6-di	*	8.90	J	0	0	ug/Kg
P5299-01	SB-01	SOIL	Dodecane, 4,6-dimethyl-	*	7.50	J	0	0	ug/Kg
P5299-01	SB-01	SOIL	trans,trans-1,6-Dimethylspiro[4	*	8.70	J	0	0	ug/Kg
P5299-01	SB-01	SOIL	trans-Decalin, 2-methyl-	*	11.8	J	0	0	ug/Kg
			Total Tics :		79.3				
			Total Concentration:		79.3				
Client ID:	**SB-02**								
P5299-02	SB-02	SOIL	Acetone		51.1		5.70	22.9	ug/Kg
P5299-02	SB-02	SOIL	Methylene Chloride		4.90	J	3.10	9.20	ug/Kg
P5299-02	SB-02	SOIL	2-Butanone		10.1	J	5.20	22.9	ug/Kg
			Total Voc :		66.1				
P5299-02	SB-02	SOIL	unknown1.812	*	75.9	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Dodecane	*	160	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Tridecane	*	200	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Tetradecane	*	180	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Undecane	*	140	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Dodecane, 2-methyl-	*	72.5	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Octane, 2,6-dimethyl-	*	120	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Dodecane, 2,6,10-trimethyl-	*	88.3	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Undecane, 2,6-dimethyl-	*	120	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	trans-Decalin, 2-methyl-	*	130	J	0	0	ug/Kg
			Total Tics :		1290				
			Total Concentration:		1350				
Client ID:	**SB-01**								
P5299-03	SB-01	SOIL	Acetone		85.6		7.90	31.7	ug/Kg
P5299-03	SB-01	SOIL	Carbon Disulfide		3.70	J	1.60	6.30	ug/Kg
P5299-03	SB-01	SOIL	2-Butanone		22.5	J	7.20	31.7	ug/Kg
			Total Voc :		112				
P5299-03	SB-01	SOIL	unknown1.812	*	30.8	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	unknown14.645	*	9.00	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	unknown15.120	*	10.1	J	0	0	ug/Kg

Alliance TECHNICAL GROUP
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Hit Summary Sheet
SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P5299-03	SB-01	SOIL	Dodecane	*	8.40	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Tridecane	*	13.9	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Tetradecane	*	15.3	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Pentadecane	*	49.7	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Naphthalene, decahydro-1,5-di	*	7.50	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Cyclodecene, 1-methyl-	*	6.80	J	0	0	ug/Kg
			Total Tics :		152				
			Total Concentration:		263				
Client ID:	**SB-02**								
P5299-04	SB-02	SOIL	Acetone		32.2		5.80	23.3	ug/Kg
P5299-04	SB-02	SOIL	2-Butanone		7.60	J	5.30	23.3	ug/Kg
			Total Voc :		39.8				
P5299-04	SB-02	SOIL	unknown15.054	*	46.2	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Dodecane	*	99.9	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Tridecane	*	110	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Tetradecane	*	92.8	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Undecane	*	110	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Naphthalene, decahydro-2-metl	*	82.8	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Undecane, 2,6-dimethyl-	*	80.4	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Dodecane, 2,6,11-trimethyl-	*	45.9	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Dodecane, 4,6-dimethyl-	*	71.9	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	cis,trans-1,6-Dimethylspiro[4.5	*	45.9	J	0	0	ug/Kg
			Total Tics :		786				
			Total Concentration:		826				

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78.5
Sample Wt/Vol:	6.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020642.D	1		12/18/24 17:38	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	4.60	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.60	ug/Kg
75-01-4	Vinyl Chloride	0.71	U	0.71	4.60	ug/Kg
74-83-9	Bromomethane	0.94	U	0.94	4.60	ug/Kg
75-00-3	Chloroethane	0.93	U	0.93	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.83	U	0.83	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.98	U	0.98	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.71	U	0.71	4.60	ug/Kg
67-64-1	Acetone	5.70	U	5.70	22.9	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.60	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	4.60	ug/Kg
75-09-2	Methylene Chloride	3.10	U	3.10	9.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.77	U	0.77	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.58	U	0.58	4.60	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.60	ug/Kg
78-93-3	2-Butanone	5.20	U	5.20	22.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	4.60	ug/Kg
74-97-5	Bromochloromethane	2.20	U	2.20	4.60	ug/Kg
67-66-3	Chloroform	0.61	U	0.61	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.71	U	0.71	4.60	ug/Kg
108-87-2	Methylcyclohexane	0.80	U	0.80	4.60	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.56	U	0.56	4.60	ug/Kg
79-01-6	Trichloroethene	0.69	U	0.69	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.60	U	0.60	4.60	ug/Kg
75-27-4	Bromodichloromethane	0.51	U	0.51	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.00	U	4.00	22.9	ug/Kg
108-88-3	Toluene	0.61	U	0.61	4.60	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78.5
Sample Wt/Vol:	6.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020642.D	1		12/18/24 17:38	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.55	U	0.55	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.77	U	0.77	4.60	ug/Kg
591-78-6	2-Hexanone	4.40	U	4.40	22.9	ug/Kg
124-48-1	Dibromochloromethane	0.60	U	0.60	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.72	U	0.72	4.60	ug/Kg
127-18-4	Tetrachloroethene	0.82	U	0.82	4.60	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	4.60	ug/Kg
100-41-4	Ethyl Benzene	0.57	U	0.57	4.60	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.20	ug/Kg
95-47-6	o-Xylene	0.64	U	0.64	4.60	ug/Kg
100-42-5	Styrene	0.55	U	0.55	4.60	ug/Kg
75-25-2	Bromoform	0.74	U	0.74	4.60	ug/Kg
98-82-8	Isopropylbenzene	0.61	U	0.61	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.68	U	0.68	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.73	U	0.73	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.54	U	0.54	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.72	U	0.72	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.71	U	0.71	4.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		70 (50) - 130 (163)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		70 (54) - 130 (147)	92%	SPK: 50
2037-26-5	Toluene-d8	48.4		70 (58) - 130 (134)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.7		70 (29) - 130 (146)	77%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	234000	7.707			
540-36-3	1,4-Difluorobenzene	408000	8.609			
3114-55-4	Chlorobenzene-d5	352000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78.5
Sample Wt/Vol:	6.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020642.D	1		12/18/24 17:38	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown13.670	12.2	J		13.7	ug/Kg
1000152-47-3	trans-Decalin, 2-methyl-	11.8	J		14.2	ug/Kg
000112-40-3	Dodecane	7.70	J		14.5	ug/Kg
001618-22-0	Naphthalene, decahydro-2,6-dimethy	8.90	J		14.7	ug/Kg
1000111-72-1	trans,trans-1,6-Dimethylspiro[4.5]	8.70	J		14.8	ug/Kg
	unknown15.054	6.40	J		15.1	ug/Kg
061141-72-8	Dodecane, 4,6-dimethyl-	7.50	J		15.1	ug/Kg
000629-50-5	Tridecane	7.80	J		15.3	ug/Kg
000629-59-4	Tetradecane	8.30	J		16.3	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	75.5
Sample Wt/Vol:	7.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020639.D	1		12/18/24 16:27	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	4.60	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.60	ug/Kg
75-01-4	Vinyl Chloride	0.71	U	0.71	4.60	ug/Kg
74-83-9	Bromomethane	0.94	U	0.94	4.60	ug/Kg
75-00-3	Chloroethane	0.93	U	0.93	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.83	U	0.83	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.98	U	0.98	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.72	U	0.72	4.60	ug/Kg
67-64-1	Acetone	51.1		5.70	22.9	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.60	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	4.60	ug/Kg
75-09-2	Methylene Chloride	4.90	J	3.10	9.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.77	U	0.77	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.58	U	0.58	4.60	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.60	ug/Kg
78-93-3	2-Butanone	10.1	J	5.20	22.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	4.60	ug/Kg
74-97-5	Bromochloromethane	2.20	U	2.20	4.60	ug/Kg
67-66-3	Chloroform	0.61	U	0.61	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.72	U	0.72	4.60	ug/Kg
108-87-2	Methylcyclohexane	0.80	U	0.80	4.60	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.56	U	0.56	4.60	ug/Kg
79-01-6	Trichloroethene	0.69	U	0.69	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.61	U	0.61	4.60	ug/Kg
75-27-4	Bromodichloromethane	0.51	U	0.51	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.00	U	4.00	22.9	ug/Kg
108-88-3	Toluene	0.61	U	0.61	4.60	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	75.5
Sample Wt/Vol:	7.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020639.D	1		12/18/24 16:27	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.55	U	0.55	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.77	U	0.77	4.60	ug/Kg
591-78-6	2-Hexanone	4.40	U	4.40	22.9	ug/Kg
124-48-1	Dibromochloromethane	0.60	U	0.60	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.72	U	0.72	4.60	ug/Kg
127-18-4	Tetrachloroethene	0.82	U	0.82	4.60	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	4.60	ug/Kg
100-41-4	Ethyl Benzene	0.57	U	0.57	4.60	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.20	ug/Kg
95-47-6	o-Xylene	0.64	U	0.64	4.60	ug/Kg
100-42-5	Styrene	0.55	U	0.55	4.60	ug/Kg
75-25-2	Bromoform	0.74	U	0.74	4.60	ug/Kg
98-82-8	Isopropylbenzene	0.61	U	0.61	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.68	U	0.68	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.73	U	0.73	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.54	U	0.54	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.72	U	0.72	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.72	U	0.72	4.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		70 (50) - 130 (163)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		70 (54) - 130 (147)	90%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (58) - 130 (134)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.4		70 (29) - 130 (146)	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	192000	7.707			
540-36-3	1,4-Difluorobenzene	339000	8.615			
3114-55-4	Chlorobenzene-d5	295000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	75.5
Sample Wt/Vol:	7.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020639.D	1		12/18/24 16:27	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown1.812	75.9	J		1.81	ug/Kg
001120-21-4	Undecane	140	J		13.7	ug/Kg
1000152-47-3	trans-Decalin, 2-methyl-	130	J		14.2	ug/Kg
000112-40-3	Dodecane	160	J		14.5	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	120	J		14.7	ug/Kg
001560-97-0	Dodecane, 2-methyl-	72.5	J		15.1	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	120	J		15.1	ug/Kg
000629-50-5	Tridecane	200	J		15.3	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	88.3	J		16.1	ug/Kg
000629-59-4	Tetradecane	180	J		16.3	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	68.8
Sample Wt/Vol:	5.73 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020640.D	1		12/18/24 16:51	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.10	U	2.10	6.30	ug/Kg
74-87-3	Chloromethane	1.50	U	1.50	6.30	ug/Kg
75-01-4	Vinyl Chloride	0.98	U	0.98	6.30	ug/Kg
74-83-9	Bromomethane	1.30	U	1.30	6.30	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	6.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	6.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	U	1.40	6.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.99	U	0.99	6.30	ug/Kg
67-64-1	Acetone	85.6		7.90	31.7	ug/Kg
75-15-0	Carbon Disulfide	3.70	J	1.60	6.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.85	U	0.85	6.30	ug/Kg
79-20-9	Methyl Acetate	2.30	U	2.30	6.30	ug/Kg
75-09-2	Methylene Chloride	4.30	U	4.30	12.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	6.30	ug/Kg
110-82-7	Cyclohexane	0.88	U	0.88	6.30	ug/Kg
78-93-3	2-Butanone	22.5	J	7.20	31.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	6.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.77	U	0.77	6.30	ug/Kg
74-97-5	Bromochloromethane	3.10	U	3.10	6.30	ug/Kg
67-66-3	Chloroform	0.85	U	0.85	6.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	U	0.99	6.30	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.30	ug/Kg
71-43-2	Benzene	0.91	U	0.91	6.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.77	U	0.77	6.30	ug/Kg
79-01-6	Trichloroethene	0.95	U	0.95	6.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.84	U	0.84	6.30	ug/Kg
75-27-4	Bromodichloromethane	0.71	U	0.71	6.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.50	U	5.50	31.7	ug/Kg
108-88-3	Toluene	0.85	U	0.85	6.30	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	68.8
Sample Wt/Vol:	5.73 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020640.D	1		12/18/24 16:51	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.76	U	0.76	6.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.72	U	0.72	6.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.30	ug/Kg
591-78-6	2-Hexanone	6.10	U	6.10	31.7	ug/Kg
124-48-1	Dibromochloromethane	0.82	U	0.82	6.30	ug/Kg
106-93-4	1,2-Dibromoethane	1.00	U	1.00	6.30	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	6.30	ug/Kg
108-90-7	Chlorobenzene	0.94	U	0.94	6.30	ug/Kg
100-41-4	Ethyl Benzene	0.79	U	0.79	6.30	ug/Kg
179601-23-1	m/p-Xylenes	1.70	U	1.70	12.7	ug/Kg
95-47-6	o-Xylene	0.89	U	0.89	6.30	ug/Kg
100-42-5	Styrene	0.76	U	0.76	6.30	ug/Kg
75-25-2	Bromoform	1.00	U	1.00	6.30	ug/Kg
98-82-8	Isopropylbenzene	0.85	U	0.85	6.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.40	U	1.40	6.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.94	U	0.94	6.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.00	U	1.00	6.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.75	U	0.75	6.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	6.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	6.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.99	U	0.99	6.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		70 (50) - 130 (163)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	43.6		70 (54) - 130 (147)	87%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (58) - 130 (134)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.0		70 (29) - 130 (146)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	224000	7.707			
540-36-3	1,4-Difluorobenzene	392000	8.609			
3114-55-4	Chlorobenzene-d5	338000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	138000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	68.8
Sample Wt/Vol:	5.73 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020640.D	1		12/18/24 16:51	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown1.812	30.8	J		1.81	ug/Kg
000629-62-9	Pentadecane	49.7	J		12.2	ug/Kg
000112-40-3	Dodecane	8.40	J		14.5	ug/Kg
	unknown14.645	9.00	J		14.6	ug/Kg
066633-38-3	Cyclodecene, 1-methyl-	6.80	J		14.8	ug/Kg
066552-62-3	Naphthalene, decahydro-1,5-dimethy	7.50	J		15.1	ug/Kg
	unknown15.120	10.1	J		15.1	ug/Kg
000629-50-5	Tridecane	13.9	J		15.3	ug/Kg
000629-59-4	Tetradecane	15.3	J		16.3	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.2
Sample Wt/Vol:	6.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020635.D	1		12/18/24 14:54	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.50	U	1.50	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.72	U	0.72	4.70	ug/Kg
74-83-9	Bromomethane	0.96	U	0.96	4.70	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.85	U	0.85	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.73	U	0.73	4.70	ug/Kg
67-64-1	Acetone	32.2		5.80	23.3	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.62	U	0.62	4.70	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	4.70	ug/Kg
75-09-2	Methylene Chloride	3.20	U	3.20	9.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.59	U	0.59	4.70	ug/Kg
110-82-7	Cyclohexane	0.64	U	0.64	4.70	ug/Kg
78-93-3	2-Butanone	7.60	J	5.30	23.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.57	U	0.57	4.70	ug/Kg
74-97-5	Bromochloromethane	2.30	U	2.30	4.70	ug/Kg
67-66-3	Chloroform	0.62	U	0.62	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.73	U	0.73	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.81	U	0.81	4.70	ug/Kg
71-43-2	Benzene	0.67	U	0.67	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.57	U	0.57	4.70	ug/Kg
79-01-6	Trichloroethene	0.70	U	0.70	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.62	U	0.62	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.52	U	0.52	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.10	U	4.10	23.3	ug/Kg
108-88-3	Toluene	0.62	U	0.62	4.70	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.2
Sample Wt/Vol:	6.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020635.D	1		12/18/24 14:54	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.56	U	0.56	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.53	U	0.53	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.78	U	0.78	4.70	ug/Kg
591-78-6	2-Hexanone	4.50	U	4.50	23.3	ug/Kg
124-48-1	Dibromochloromethane	0.61	U	0.61	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.74	U	0.74	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.83	U	0.83	4.70	ug/Kg
108-90-7	Chlorobenzene	0.69	U	0.69	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.58	U	0.58	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	9.30	ug/Kg
95-47-6	o-Xylene	0.65	U	0.65	4.70	ug/Kg
100-42-5	Styrene	0.56	U	0.56	4.70	ug/Kg
75-25-2	Bromoform	0.76	U	0.76	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.62	U	0.62	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.69	U	0.69	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.75	U	0.75	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.55	U	0.55	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.74	U	0.74	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.73	U	0.73	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.5		70 (50) - 130 (163)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	40.3		70 (54) - 130 (147)	81%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (58) - 130 (134)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.0		70 (29) - 130 (146)	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	158000	7.707			
540-36-3	1,4-Difluorobenzene	310000	8.61			
3114-55-4	Chlorobenzene-d5	270000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	117000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	79.2
Sample Wt/Vol:	6.77 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020635.D	1		12/18/24 14:54	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001120-21-4	Undecane	110	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	82.8	J		14.2	ug/Kg
000112-40-3	Dodecane	99.9	J		14.5	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	80.4	J		14.6	ug/Kg
1000111-72-3	cis,trans-1,6-Dimethylspiro[4.5]de	45.9	J		14.8	ug/Kg
	unknown15.054	46.2	J		15.1	ug/Kg
061141-72-8	Dodecane, 4,6-dimethyl-	71.9	J		15.1	ug/Kg
000629-50-5	Tridecane	110	J		15.3	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	45.9	J		16.0	ug/Kg
000629-59-4	Tetradecane	92.8	J		16.2	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5299-01	SB-01	1,2-Dichloroethane-d4	50	49.0	98	70 (50)	130 (163)
		Dibromofluoromethane	50	45.8	92	70 (54)	130 (147)
		Toluene-d8	50	48.4	97	70 (58)	130 (134)
		4-Bromofluorobenzene	50	38.7	77	70 (29)	130 (146)
P5299-02	SB-02	1,2-Dichloroethane-d4	50	49.8	100	70 (50)	130 (163)
		Dibromofluoromethane	50	45.2	90	70 (54)	130 (147)
		Toluene-d8	50	48.9	98	70 (58)	130 (134)
		4-Bromofluorobenzene	50	40.5	81	70 (29)	130 (146)
P5299-03	SB-01	1,2-Dichloroethane-d4	50	48.6	97	70 (50)	130 (163)
		Dibromofluoromethane	50	43.6	87	70 (54)	130 (147)
		Toluene-d8	50	49.2	98	70 (58)	130 (134)
		4-Bromofluorobenzene	50	40.0	80	70 (29)	130 (146)
P5299-04	SB-02	1,2-Dichloroethane-d4	50	58.5	117	70 (50)	130 (163)
		Dibromofluoromethane	50	40.3	81	70 (54)	130 (147)
		Toluene-d8	50	48.7	97	70 (58)	130 (134)
		4-Bromofluorobenzene	50	41.0	82	70 (29)	130 (146)
VY1218SBL01	VY1218SBL01	1,2-Dichloroethane-d4	50	49.7	99	70 (50)	130 (163)
		Dibromofluoromethane	50	44.7	89	70 (54)	130 (147)
		Toluene-d8	50	48.4	97	70 (58)	130 (134)
		4-Bromofluorobenzene	50	37.4	75	70 (29)	130 (146)
VY1218SBS01	VY1218SBS01	1,2-Dichloroethane-d4	50	48.4	97	70 (50)	130 (163)
		Dibromofluoromethane	50	48.3	97	70 (54)	130 (147)
		Toluene-d8	50	48.7	97	70 (58)	130 (134)
		4-Bromofluorobenzene	50	46.3	93	70 (29)	130 (146)
VY1218SBSD01	VY1218SBSD01	1,2-Dichloroethane-d4	50	51.7	103	70 (50)	130 (163)
		Dibromofluoromethane	50	50.1	100	70 (54)	130 (147)
		Toluene-d8	50	51.5	103	70 (58)	130 (134)
		4-Bromofluorobenzene	50	48.3	97	70 (29)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020626.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1218SBS01	Dichlorodifluoromethane	20	19.3	ug/Kg	97			40 (64)	160 (136)	
	Chloromethane	20	19.5	ug/Kg	98			40 (70)	160 (130)	
	Vinyl chloride	20	20.9	ug/Kg	104			70 (72)	130 (129)	
	Bromomethane	20	18.8	ug/Kg	94			40 (58)	160 (141)	
	Chloroethane	20	20.1	ug/Kg	101			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	17.2	ug/Kg	86			70 (81)	130 (123)	
	1,1-Dichloroethene	20	16.8	ug/Kg	84			70 (79)	130 (121)	
	Acetone	100	77.9	ug/Kg	78			40 (60)	160 (131)	
	Carbon disulfide	20	17.5	ug/Kg	88			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.8	ug/Kg	99			70 (77)	130 (129)	
	Methyl Acetate	20	19.7	ug/Kg	99			70 (69)	130 (149)	
	Methylene Chloride	20	19.5	ug/Kg	98			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.0	ug/Kg	95			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.2	ug/Kg	96			70 (82)	130 (123)	
	Cyclohexane	20	18.8	ug/Kg	94			70 (76)	130 (122)	
	2-Butanone	100	90.8	ug/Kg	91			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.3	ug/Kg	97			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.2	ug/Kg	96			70 (82)	130 (123)	
	Bromochloromethane	20	17.0	ug/Kg	85			70 (80)	130 (127)	
	Chloroform	20	17.1	ug/Kg	86			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.4	ug/Kg	97			70 (80)	130 (126)	
	Methylcyclohexane	20	18.9	ug/Kg	95			70 (77)	130 (123)	
	Benzene	20	19.5	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.6	ug/Kg	98			70 (81)	130 (126)	
	Trichloroethene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	1,2-Dichloropropane	20	19.8	ug/Kg	99			70 (83)	130 (122)	
	Bromodichloromethane	20	19.3	ug/Kg	97			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	97.1	ug/Kg	97			40 (70)	160 (135)	
	Toluene	20	19.3	ug/Kg	97			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.4	ug/Kg	97			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.6	ug/Kg	98			70 (82)	130 (125)	
	2-Hexanone	100	98.0	ug/Kg	98			40 (66)	160 (138)	
	Dibromochloromethane	20	19.7	ug/Kg	99			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.9	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	20	18.7	ug/Kg	94			70 (83)	130 (125)	
	Chlorobenzene	20	19.3	ug/Kg	97			70 (84)	130 (122)	
	Ethyl Benzene	20	19.3	ug/Kg	97			70 (82)	130 (124)	
	m/p-Xylenes	40	38.3	ug/Kg	96			70 (83)	130 (124)	
	o-Xylene	20	19.1	ug/Kg	96			70 (83)	130 (123)	
	Styrene	20	19.5	ug/Kg	98			70 (82)	130 (124)	
	Bromoform	20	20.0	ug/Kg	100			70 (75)	130 (127)	
	Isopropylbenzene	20	19.1	ug/Kg	96			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/Kg	101			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.1	ug/Kg	96			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	18.9	ug/Kg	95			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.4	ug/Kg	97			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020626.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1218SBS01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/Kg	96			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.6	ug/Kg	93			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.8	ug/Kg	94			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020627.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1218SBSD01	Dichlorodifluoromethane	20	20.1	ug/Kg	101	4		40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.8	ug/Kg	94	4		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	19.4	ug/Kg	97	7		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.9	ug/Kg	104	10		40 (58)	160 (141)	30 (20)
	Chloroethane	20	19.7	ug/Kg	99	2		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	19.7	ug/Kg	99	2		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.5	ug/Kg	98	13		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.2	ug/Kg	96	13		70 (79)	130 (121)	30 (20)
	Acetone	100	92.9	ug/Kg	93	18		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	20.5	ug/Kg	103	16		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	21.2	ug/Kg	106	7		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	21.3	ug/Kg	106	7		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.0	ug/Kg	105	7		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102	7		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.4	ug/Kg	107	11		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.9	ug/Kg	100	6		70 (76)	130 (122)	30 (20)
	2-Butanone	100	97.3	ug/Kg	97	6		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.2	ug/Kg	101	4		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104	8		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	18.2	ug/Kg	91	7		70 (80)	130 (127)	30 (20)
	Chloroform	20	18.9	ug/Kg	95	10		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104	7		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.5	ug/Kg	98	3		70 (77)	130 (123)	30 (20)
	Benzene	20	20.7	ug/Kg	104	6		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.7	ug/Kg	104	6		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.7	ug/Kg	104	7		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.9	ug/Kg	104	5		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.9	ug/Kg	104	7		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	97.7	ug/Kg	98	1		40 (70)	160 (135)	30 (20)
	Toluene	20	20.4	ug/Kg	102	5		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.7	ug/Kg	104	6		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103	6		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105	7		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	98.7	ug/Kg	99	1		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.6	ug/Kg	103	4		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.8	ug/Kg	104	4		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.0	ug/Kg	100	6		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.5	ug/Kg	103	6		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.3	ug/Kg	102	5		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.6	ug/Kg	102	6		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.6	ug/Kg	103	7		70 (83)	130 (123)	30 (20)
	Styrene	20	20.9	ug/Kg	104	6		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.7	ug/Kg	104	4		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.1	ug/Kg	101	5		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	21.0	ug/Kg	105	4		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.2	ug/Kg	101	5		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.3	ug/Kg	102	7		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104	7		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020627.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1218SBSD01	1,2-Dibromo-3-Chloropropane	20	19.6	ug/Kg	98	2		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99	6		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.1	ug/Kg	101	7		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1218SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

Lab File ID: VY020625.D Lab Sample ID: VY1218SBL01

Date Analyzed: 12/18/2024 Time Analyzed: 10:52

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1218SBS01	VY1218SBS01	VY020626.D	12/18/2024
VY1218SBSD01	VY1218SBSD01	VY020627.D	12/18/2024
SB-02	P5299-04	VY020635.D	12/18/2024
SB-02	P5299-02	VY020639.D	12/18/2024
SB-01	P5299-03	VY020640.D	12/18/2024
SB-01	P5299-01	VY020642.D	12/18/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

Lab File ID: VY020611.D BFB Injection Date: 12/17/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:00

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	77.1
175	5.0 - 9.0% of mass 174	6.2 (8) 1
176	95.0 - 101.0% of mass 174	74.2 (96.3) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC010	VSTDICC010	VY020613.D	12/17/2024	10:01
VSTDICC020	VSTDICC020	VY020614.D	12/17/2024	10:23
VSTDICCC050	VSTDICCC050	VY020615.D	12/17/2024	10:51
VSTDICC100	VSTDICC100	VY020616.D	12/17/2024	11:14
VSTDICC150	VSTDICC150	VY020617.D	12/17/2024	11:37
VSTDICC005	VSTDICC005	VY020619.D	12/17/2024	14:51

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

Lab File ID: VY020622.D BFB Injection Date: 12/18/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:46

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	52.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	78.5
175	5.0 - 9.0% of mass 174	5.8 (7.4) 1
176	95.0 - 101.0% of mass 174	76.1 (97) 1
177	5.0 - 9.0% of mass 176	5.1 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020624.D	12/18/2024	10:06
VY1218SBL01	VY1218SBL01	VY020625.D	12/18/2024	10:52
VY1218SBS01	VY1218SBS01	VY020626.D	12/18/2024	11:19
VY1218SBSD01	VY1218SBSD01	VY020627.D	12/18/2024	11:42
SB-02	P5299-04	VY020635.D	12/18/2024	14:54
SB-02	P5299-02	VY020639.D	12/18/2024	16:27
SB-01	P5299-03	VY020640.D	12/18/2024	16:51
SB-01	P5299-01	VY020642.D	12/18/2024	17:38

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

Lab File ID: VY020624.D Date Analyzed: 12/18/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:06

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	168319	7.71	264221	8.62	226779	11.42
UPPER LIMIT	336638	8.213	528442	9.116	453558	11.92
LOWER LIMIT	84159.5	7.213	132111	8.116	113390	10.92
EPA SAMPLE NO.						
SB-01	233930	7.71	408249	8.61	351864	11.41
SB-02	192200	7.71	339150	8.62	294759	11.41
SB-01	223514	7.71	392391	8.61	337704	11.41
SB-02	157761	7.71	310451	8.61	269674	11.41
VY1218SBL01	201389	7.71	355898	8.62	296016	11.42
VY1218SBS01	167281	7.71	257615	8.62	226665	11.41
VY1218SBSD01	153098	7.71	244096	8.62	214944	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

Lab File ID: VY020624.D Date Analyzed: 12/18/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:06

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

	IS4 AREA #	RT #				
12 HOUR STD	124266	13.347				
UPPER LIMIT	248532	13.847				
LOWER LIMIT	62133	12.847				
EPA SAMPLE NO.						
SB-01	141411	13.35				
SB-02	123499	13.35				
SB-01	138439	13.35				
SB-02	117196	13.35				
VY1218SBL01	114022	13.35				
VY1218SBS01	127451	13.35				
VY1218SBSD01	120747	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1218SBL01	SDG No.:	P5299
Lab Sample ID:	VY1218SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020625.D	1		12/18/24 10:52	VY121824

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1218SBL01	SDG No.:	P5299
Lab Sample ID:	VY1218SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020625.D	1		12/18/24 10:52	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		70 (50) - 130 (163)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	44.7		70 (54) - 130 (147)	89%	SPK: 50
2037-26-5	Toluene-d8	48.4		70 (58) - 130 (134)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.4		70 (29) - 130 (146)	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	7.713			
540-36-3	1,4-Difluorobenzene	356000	8.616			
3114-55-4	Chlorobenzene-d5	296000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	114000	13.352			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1218SBL01	SDG No.:	P5299
Lab Sample ID:	VY1218SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020625.D	1		12/18/24 10:52	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001066-40-6	Silanol, trimethyl-	10.8	J		6.89	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1218SBS01	SDG No.:	P5299
Lab Sample ID:	VY1218SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020626.D	1		12/18/24 11:19	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.5		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.9		0.77	5.00	ug/Kg
74-83-9	Bromomethane	18.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.1		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.4		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	17.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	16.8		0.78	5.00	ug/Kg
67-64-1	Acetone	77.9		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.5		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.8		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	19.7		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.0		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.2		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.8		0.69	5.00	ug/Kg
78-93-3	2-Butanone	90.8		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.3		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.2		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	17.0		2.40	5.00	ug/Kg
67-66-3	Chloroform	17.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.4		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.9		0.87	5.00	ug/Kg
71-43-2	Benzene	19.5		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.6		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.4		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.8		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.3		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	97.1		4.40	25.0	ug/Kg
108-88-3	Toluene	19.3		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1218SBS01	SDG No.:	P5299
Lab Sample ID:	VY1218SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020626.D	1		12/18/24 11:19	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.4		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.6		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	98.0		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.7		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.7		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.3		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.3		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.3		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.1		0.70	5.00	ug/Kg
100-42-5	Styrene	19.5		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.0		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.1		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.1		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.9		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.4		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.6		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.8		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		70 (50) - 130 (163)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (58) - 130 (134)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		70 (29) - 130 (146)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	7.707			
540-36-3	1,4-Difluorobenzene	258000	8.616			
3114-55-4	Chlorobenzene-d5	227000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.347			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1218SBS01	SDG No.:	P5299
Lab Sample ID:	VY1218SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020626.D	1		12/18/24 11:19	VY121824

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 2024	Date Received:	
Client Sample ID:	VY1218SBSD01	SDG No.:	P5299
Lab Sample ID:	VY1218SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020627.D	1		12/18/24 11:42	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.1		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.4		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.7		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.7		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.2		0.78	5.00	ug/Kg
67-64-1	Acetone	92.9		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.2		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.3		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.0		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.4		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	19.9		0.69	5.00	ug/Kg
78-93-3	2-Butanone	97.3		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.2		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.8		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	18.2		2.40	5.00	ug/Kg
67-66-3	Chloroform	18.9		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.5		0.87	5.00	ug/Kg
71-43-2	Benzene	20.7		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.7		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.7		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.9		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	97.7		4.40	25.0	ug/Kg
108-88-3	Toluene	20.4		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1218SBSD01	SDG No.:	P5299
Lab Sample ID:	VY1218SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020627.D	1		12/18/24 11:42	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.6		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	98.7		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.6		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.8		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.0		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.5		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.6		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.6		0.70	5.00	ug/Kg
100-42-5	Styrene	20.9		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.7		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.0		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.2		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.3		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.1		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		70 (50) - 130 (163)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (58) - 130 (134)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (29) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	7.707			
540-36-3	1,4-Difluorobenzene	244000	8.616			
3114-55-4	Chlorobenzene-d5	215000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.347			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1218SBSD01	SDG No.:	P5299
Lab Sample ID:	VY1218SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020627.D	1		12/18/24 11:42	VY121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: MSVOA_Y Calibration Date(s): 12/17/2024 12/17/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:01 14:51

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

LAB FILE ID: RRF010 = VY020613.D RRF020 = VY020614.D RRF050 = VY020615.D
RRF100 = VY020616.D RRF150 = VY020617.D RRF005 = VY020619.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.678	0.633	0.617	0.601	0.552	0.665	0.625	7.3
Chloromethane	0.490	0.506	0.428	0.426	0.372	0.555	0.463	14.3
Vinyl Chloride	0.443	0.469	0.371	0.440	0.374	0.487	0.431	11.3
Bromomethane	0.291	0.279	0.229	0.282	0.254	0.327	0.277	12.1
Chloroethane	0.273	0.287	0.212	0.272	0.251	0.302	0.266	11.8
Trichlorofluoromethane	0.981	0.954	0.791	0.878	0.810	0.993	0.901	9.7
1,1,2-Trichlorotrifluoroethane	0.715	0.659	0.603	0.649	0.537	0.712	0.646	10.5
1,1-Dichloroethene	0.701	0.637	0.589	0.638	0.528	0.667	0.627	9.7
Acetone	0.141	0.107	0.098	0.110		0.168	0.125	23.2
Carbon Disulfide	2.315	2.083	1.939	2.092	1.669	2.142	2.040	10.7
Methyl tert-butyl Ether	1.799	1.584	1.663	1.652	1.466	1.542	1.618	7.1
Methyl Acetate	0.474	0.351	0.350	0.391	0.292	0.378	0.373	16.1
Methylene Chloride	0.758	0.683	0.617	0.665	0.596	0.766	0.681	10.3
trans-1,2-Dichloroethene	0.771	0.703	0.710	0.692	0.636	0.707	0.703	6.2
1,1-Dichloroethane	1.401	1.307	1.323	1.300	1.173	1.333	1.306	5.7
Cyclohexane	1.388	1.247	1.198	1.160	1.056	1.443	1.249	11.6
2-Butanone	0.245	0.191	0.197	0.195	0.166	0.228	0.204	13.9
Carbon Tetrachloride	0.768	0.715	0.701	0.697	0.656	0.730	0.711	5.2
cis-1,2-Dichloroethene	0.875	0.815	0.817	0.797	0.724	0.827	0.809	6.1
Bromochloromethane	0.436	0.353	0.495	0.501	0.432	0.427	0.441	12.3
Chloroform	1.768	1.465	1.378	1.302	1.186	2.069	1.528	21.6
1,1,1-Trichloroethane	1.298	1.215	1.198	1.183	1.086	1.219	1.200	5.7
Methylcyclohexane	0.883	0.848	0.832	0.812	0.766	0.883	0.837	5.3
Benzene	2.055	1.900	1.859	1.847	1.713	1.927	1.883	5.9
1,2-Dichloroethane	0.546	0.499	0.500	0.498	0.452	0.502	0.500	6
Trichloroethene	0.501	0.462	0.458	0.453	0.422	0.481	0.463	5.8
1,2-Dichloropropane	0.473	0.450	0.434	0.440	0.401	0.442	0.440	5.3
Bromodichloromethane	0.672	0.632	0.632	0.627	0.581	0.626	0.628	4.6
4-Methyl-2-Pentanone	0.364	0.290	0.299	0.301	0.261	0.297	0.302	11.1
Toluene	1.247	1.185	1.167	1.165	1.082	1.176	1.170	4.5

* 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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: MSVOA_Y Calibration Date(s): 12/17/2024 12/17/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:01 14:51

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

LAB FILE ID: RRF010 = VY020613.D RRF020 = VY020614.D RRF050 = VY020615.D
RRF100 = VY020616.D RRF150 = VY020617.D RRF005 = VY020619.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.638	0.572	0.602	0.611	0.556	0.534	0.586	6.5
cis-1,3-Dichloropropene	0.742	0.694	0.706	0.714	0.646	0.661	0.694	5.1
1,1,2-Trichloroethane	0.344	0.306	0.303	0.309	0.276	0.308	0.308	7.1
2-Hexanone	0.225	0.183	0.199	0.202	0.175	0.180	0.194	9.5
Dibromochloromethane	0.447	0.402	0.420	0.421	0.381	0.396	0.411	5.7
1,2-Dibromoethane	0.319	0.281	0.288	0.290	0.261	0.277	0.286	6.7
Tetrachloroethene	0.505	0.464	0.452	0.446	0.422	0.533	0.470	8.7
Chlorobenzene	1.501	1.397	1.374	1.381	1.293	1.441	1.398	5
Ethyl Benzene	2.747	2.583	2.556	2.543	2.414	2.633	2.579	4.2
m/p-Xylenes	1.031	0.951	0.953	0.942	0.892	0.984	0.959	4.8
o-Xylene	0.956	0.892	0.898	0.887	0.842	0.894	0.895	4.1
Styrene	1.586	1.496	1.502	1.501	1.406	1.478	1.495	3.8
Bromoform	0.302	0.256	0.270	0.272	0.250	0.262	0.269	6.9
Isopropylbenzene	4.636	4.451	4.356	4.284	4.051	4.401	4.363	4.4
1,1,2,2-Tetrachloroethane	0.804	0.702	0.710	0.710	0.635	0.689	0.708	7.7
1,3-Dichlorobenzene	1.982	1.912	1.864	1.832	1.702	1.966	1.876	5.5
1,4-Dichlorobenzene	1.980	1.852	1.832	1.797	1.680	2.008	1.858	6.5
1,2-Dichlorobenzene	1.735	1.614	1.606	1.602	1.501	1.694	1.626	5
1,2-Dibromo-3-Chloropropane	0.133	0.107	0.113	0.114	0.107	0.116	0.115	8.4
1,2,4-Trichlorobenzene	0.975	0.927	1.014	1.030	0.990	0.964	0.983	3.8
1,2,3-Trichlorobenzene	0.798	0.791	0.864	0.874	0.846	0.813	0.831	4.2
1,2-Dichloroethane-d4	0.619	0.487	0.569	0.507	0.467	0.636	0.548	13
Dibromofluoromethane	0.385	0.328	0.360	0.325	0.313	0.404	0.352	10.4
Toluene-d8	1.314	1.127	1.271	1.143	1.100	1.445	1.233	10.9
4-Bromofluorobenzene	0.538	0.448	0.480	0.433	0.412	0.585	0.482	13.9

* 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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: MSVOA_Y Calibration Date/Time: 12/18/2024 10:06

Lab File ID: VY020624.D Init. Calib. Date(s): 12/17/2024 12/17/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:01 14:51

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.625	0.667		6.72	20
Chloromethane	0.463	0.541	0.1	16.85	20
Vinyl Chloride	0.431	0.514		19.26	20
Bromomethane	0.277	0.317		14.44	20
Chloroethane	0.266	0.326		22.56	20
Trichlorofluoromethane	0.901	0.981		8.88	20
1,1,2-Trichlorotrifluoroethane	0.646	0.725		12.23	20
1,1-Dichloroethene	0.627	0.702		11.96	20
Acetone	0.125	0.114		-8.8	20
Carbon Disulfide	2.040	2.319		13.68	20
Methyl tert-butyl Ether	1.618	1.763		8.96	20
Methyl Acetate	0.373	0.405		8.58	20
Methylene Chloride	0.681	0.726		6.61	20
trans-1,2-Dichloroethene	0.703	0.781		11.1	20
1,1-Dichloroethane	1.306	1.451	0.1	11.1	20
Cyclohexane	1.249	1.315		5.28	20
2-Butanone	0.204	0.201		-1.47	20
Carbon Tetrachloride	0.711	0.776		9.14	20
cis-1,2-Dichloroethene	0.809	0.885		9.39	20
Bromochloromethane	0.441	0.526		19.27	20
Chloroform	1.528	1.488		-2.62	20
1,1,1-Trichloroethane	1.200	1.333		11.08	20
Methylcyclohexane	0.837	0.899		7.41	20
Benzene	1.883	2.047		8.71	20
1,2-Dichloroethane	0.500	0.534		6.8	20
Trichloroethene	0.463	0.501		8.21	20
1,2-Dichloropropane	0.440	0.476		8.18	20
Bromodichloromethane	0.628	0.679		8.12	20
4-Methyl-2-Pentanone	0.302	0.306		1.33	20
Toluene	1.170	1.284		9.74	20
t-1,3-Dichloropropene	0.586	0.646		10.24	20
cis-1,3-Dichloropropene	0.694	0.767		10.52	20
1,1,2-Trichloroethane	0.308	0.324		5.2	20
2-Hexanone	0.194	0.204		5.16	20
Dibromochloromethane	0.411	0.445		8.27	20
1,2-Dibromoethane	0.286	0.306		6.99	20
Tetrachloroethene	0.470	0.514		9.36	20
Chlorobenzene	1.398	1.574	0.3	12.59	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: MSVOA_Y Calibration Date/Time: 12/18/2024 10:06

Lab File ID: VY020624.D Init. Calib. Date(s): 12/17/2024 12/17/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:01 14:51

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.579	2.891		12.1	20
m/p-Xylenes	0.959	1.067		11.26	20
o-Xylene	0.895	1.001		11.84	20
Styrene	1.495	1.676		12.11	20
Bromoform	0.269	0.293	0.1	8.92	20
Isopropylbenzene	4.363	4.981		14.16	20
1,1,2,2-Tetrachloroethane	0.708	0.769	0.3	8.62	20
1,3-Dichlorobenzene	1.876	2.057		9.65	20
1,4-Dichlorobenzene	1.858	2.024		8.93	20
1,2-Dichlorobenzene	1.626	1.783		9.66	20
1,2-Dibromo-3-Chloropropane	0.115	0.119		3.48	20
1,2,4-Trichlorobenzene	0.983	1.120		13.94	20
1,2,3-Trichlorobenzene	0.831	0.948		14.08	20
1,2-Dichloroethane-d4	0.548	0.514		-6.2	20
Dibromofluoromethane	0.352	0.333		-5.4	20
Toluene-d8	1.233	1.198		-2.84	20
4-Bromofluorobenzene	0.482	0.430		-10.79	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Time: Dec 19 02:51:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

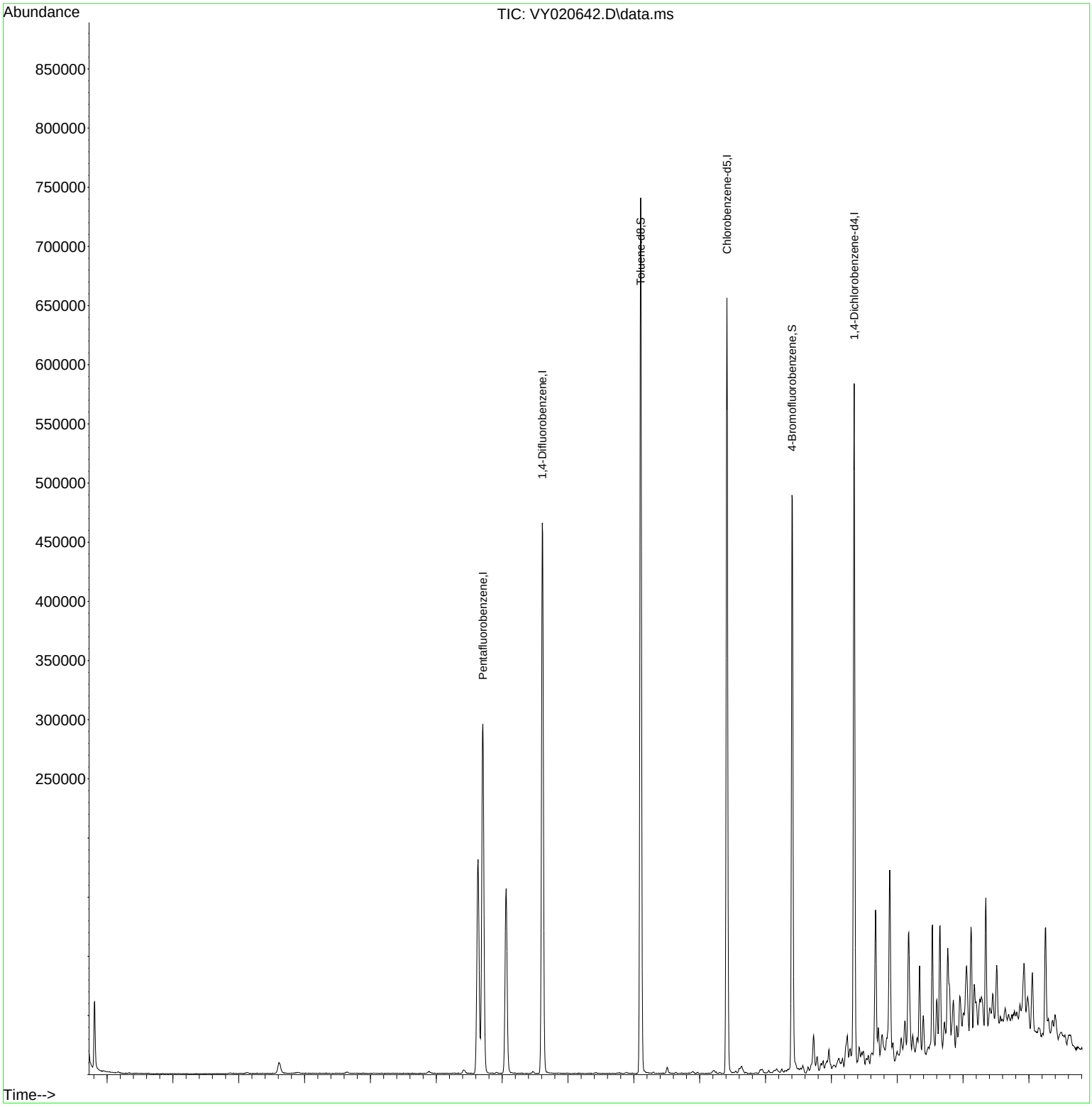
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	233930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	408249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	351864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125606	49.026	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.060%		
35) Dibromofluoromethane	7.634	113	131817	45.814	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.620%		
50) Toluene-d8	10.103	98	486937	48.352	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.700%		
62) 4-Bromofluorobenzene	12.401	95	152376	38.680	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	77.360%		
Target Compounds						Qvalue

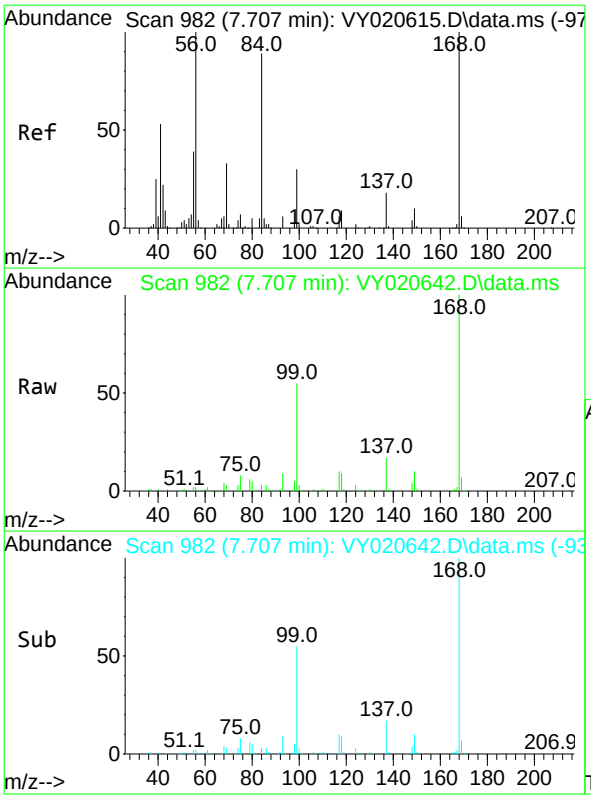
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Time: Dec 19 02:51:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



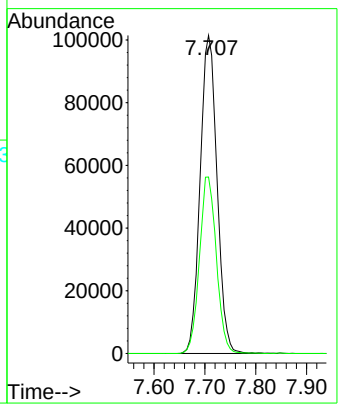


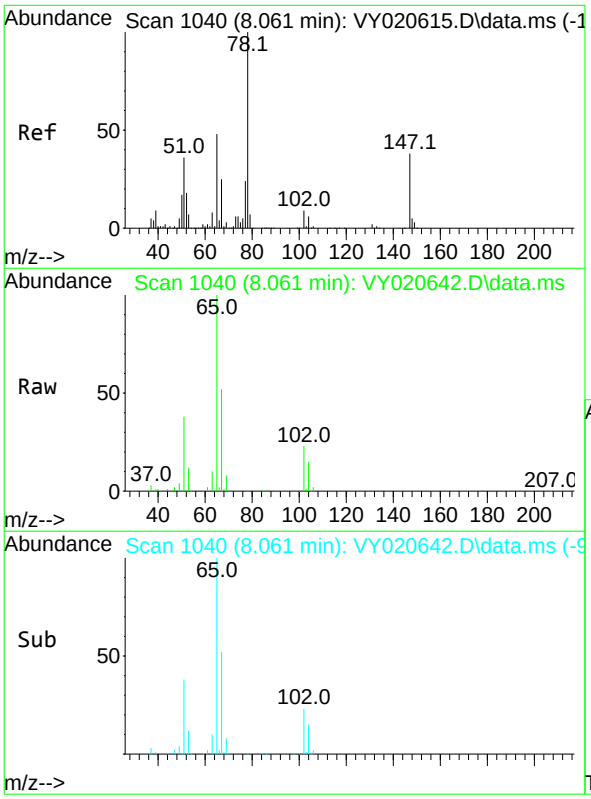
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020642.D
Acq: 18 Dec 2024 17:38

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Tgt Ion:168 Resp: 233930

Ion	Ratio	Lower	Upper
168	100		
99	55.5	47.0	70.6

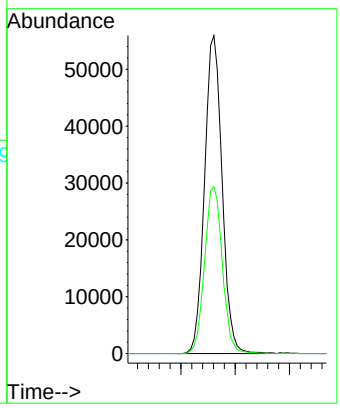


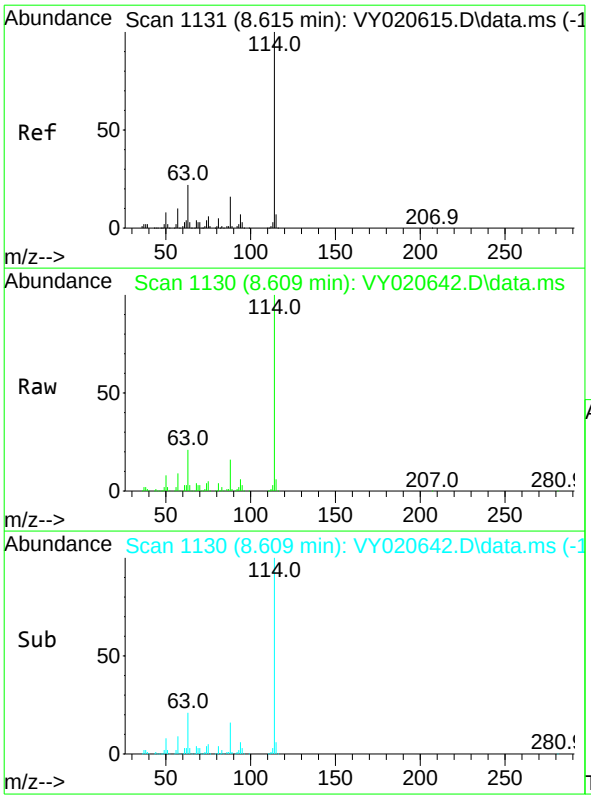


#33
1,2-Dichloroethane-d4
Concen: 49.026 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020642.D
Acq: 18 Dec 2024 17:38

Tgt Ion: 65 Resp: 125606

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.0



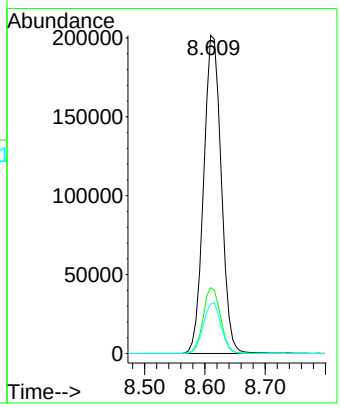


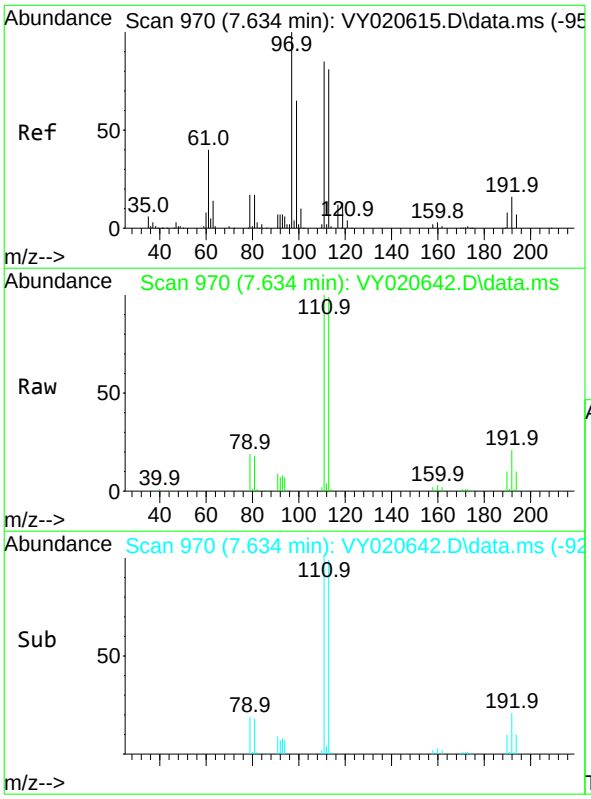
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020642.D
Acq: 18 Dec 2024 17:38

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Tgt Ion:114 Resp: 408249

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	44.0
88	15.6	0.0	32.8

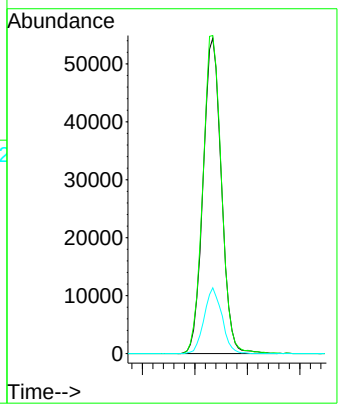


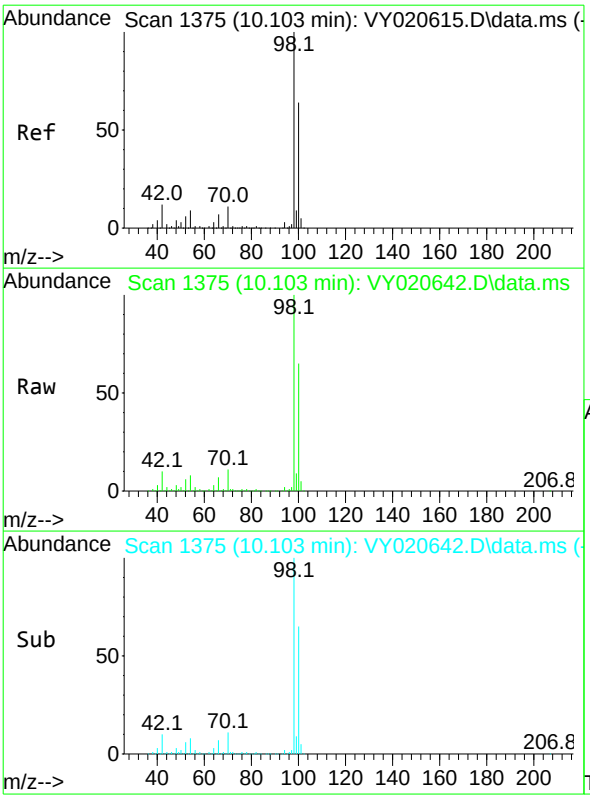


#35
Dibromofluoromethane
Concen: 45.814 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020642.D
Acq: 18 Dec 2024 17:38

Tgt Ion:113 Resp: 131817

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	20.3	15.7	23.5



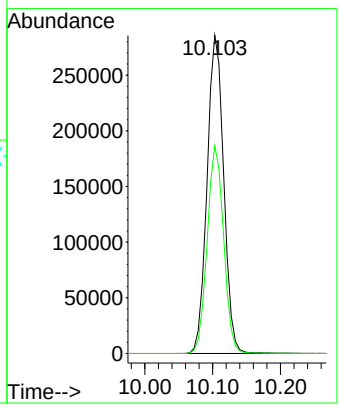


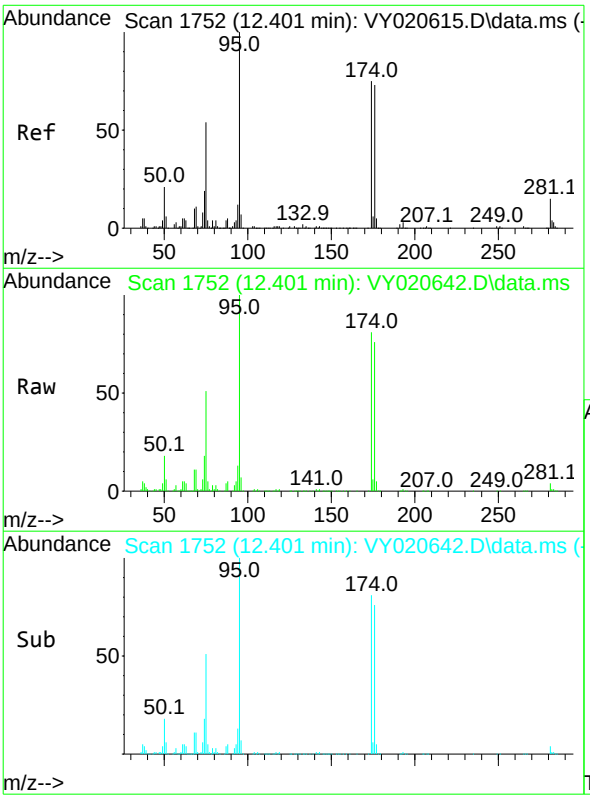
#50
Toluene-d8
Concen: 48.352 ug/l
RT: 10.103 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020642.D
Acq: 18 Dec 2024 17:38

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Tgt Ion: 98 Resp: 486937

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1

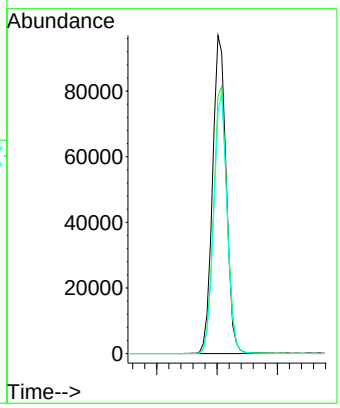


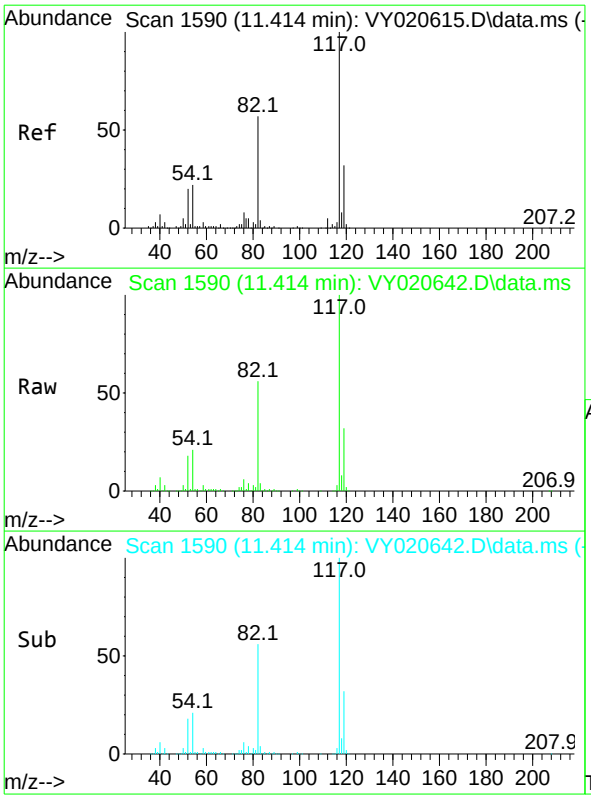


#62
4-Bromofluorobenzene
Concen: 38.680 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020642.D
Acq: 18 Dec 2024 17:38

Tgt Ion: 95 Resp: 152376

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	161.8
176	79.5	0.0	156.6



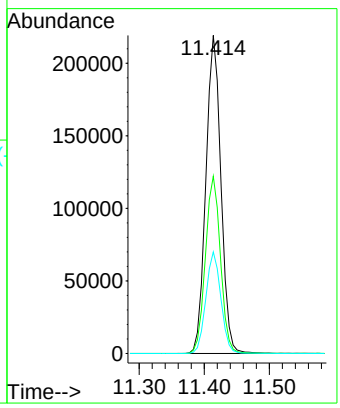


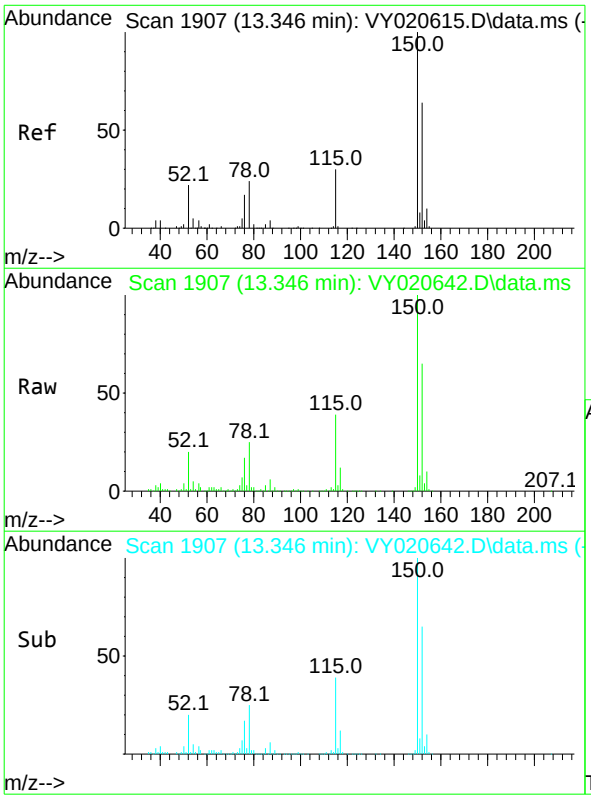
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020642.D
Acq: 18 Dec 2024 17:38

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Tgt Ion:117 Resp: 351864

Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.8	68.6
119	31.9	25.3	37.9

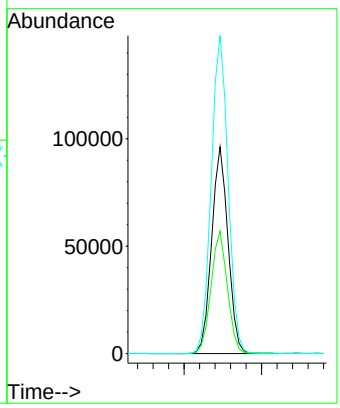




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020642.D
Acq: 18 Dec 2024 17:38

Tgt Ion:152 Resp: 141411

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.2	90.6
150	158.1	0.0	355.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Title : SW846 8260

Signal : TIC: VY020642.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	10	15	32	rVB	58817	93147	7.35%	0.946%
2	4.610	464	474	488	rBV2	9043	28066	2.22%	0.285%
3	7.634	960	970	976	rBV	180850	437327	34.53%	4.441%
4	7.707	976	982	1000	rVB	295401	678439	53.56%	6.890%
5	8.061	1029	1040	1051	rBV	156142	347475	27.43%	3.529%
6	8.609	1121	1130	1141	rBV	465272	941168	74.30%	9.558%
7	10.103	1366	1375	1384	rBV	740114	1266684	100.00%	12.864%
8	11.414	1583	1590	1603	rBV	655278	1061463	83.80%	10.780%
9	11.639	1623	1627	1634	rVB7	5823	12941	1.02%	0.131%
10	12.401	1746	1752	1765	rVB2	484840	807429	63.74%	8.200%
11	12.731	1795	1806	1811	rBV4	29617	62493	4.93%	0.635%
12	12.786	1811	1815	1820	rVB2	11678	18722	1.48%	0.190%
13	12.962	1840	1844	1851	rVB4	16091	28534	2.25%	0.290%
14	13.115	1861	1869	1873	rBV7	7575	19879	1.57%	0.202%
15	13.243	1881	1890	1893	rBV5	26112	63933	5.05%	0.649%
16	13.285	1893	1897	1899	rVV5	9544	14458	1.14%	0.147%
17	13.346	1900	1907	1914	rVB	573699	877309	69.26%	8.910%
18	13.420	1916	1919	1923	rBV3	12034	18603	1.47%	0.189%
19	13.615	1946	1951	1954	rBV5	9029	21739	1.72%	0.221%
20	13.670	1954	1960	1965	rVV2	129148	233669	18.45%	2.373%
21	13.712	1965	1967	1971	rVV2	29178	41540	3.28%	0.422%
22	13.773	1971	1977	1984	rVV5	22727	68461	5.40%	0.695%
23	13.889	1984	1996	2001	rVV2	160754	336223	26.54%	3.415%
24	13.932	2001	2003	2008	rVB3	15454	21012	1.66%	0.213%
25	13.999	2009	2014	2019	rBV7	7603	17031	1.34%	0.173%
26	14.060	2020	2024	2028	rVV7	16875	33036	2.61%	0.336%
27	14.115	2029	2033	2037	rVV4	31078	60797	4.80%	0.617%
28	14.176	2037	2043	2050	rVV7	104994	225963	17.84%	2.295%
29	14.237	2050	2053	2059	rVV3	18011	33243	2.62%	0.338%
30	14.304	2059	2064	2066	rVV4	15386	29494	2.33%	0.300%
31	14.340	2066	2070	2075	rVV2	75580	116039	9.16%	1.178%
32	14.395	2075	2079	2086	rVB3	32837	55213	4.36%	0.561%
33	14.535	2097	2102	2108	rVB2	102065	148182	11.70%	1.505%
34	14.602	2108	2113	2116	rBV2	38861	62737	4.95%	0.637%
35	14.651	2116	2121	2127	rVB3	102763	170460	13.46%	1.731%
36	14.718	2127	2132	2135	rBV7	21245	39588	3.13%	0.402%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Title : SW846 8260

37	14.767	2135	2140	2148	rVB2	73798	167160	13.20%	1.698%
38	14.852	2148	2154	2159	rVB4	40380	84838	6.70%	0.862%
39	14.901	2159	2162	2165	rBV3	18478	28526	2.25%	0.290%
40	14.950	2166	2170	2176	rBV4	33812	69682	5.50%	0.708%
41	15.005	2176	2179	2181	rBV3	11150	16648	1.31%	0.169%
42	15.053	2182	2187	2193	rVB6	55124	121769	9.61%	1.237%
43	15.121	2193	2198	2202	rBV2	87691	143360	11.32%	1.456%
44	15.169	2202	2206	2209	rBV3	36556	57417	4.53%	0.583%
45	15.255	2216	2220	2222	rBV4	20025	33923	2.68%	0.345%
46	15.346	2231	2235	2240	rVB	108196	150086	11.85%	1.524%
47	15.407	2241	2245	2248	rVV5	14255	27656	2.18%	0.281%
48	15.450	2249	2252	2257	rVV4	25556	43853	3.46%	0.445%
49	15.511	2257	2262	2268	rVB3	49044	85492	6.75%	0.868%
50	15.925	2325	2330	2335	rVB4	40743	76083	6.01%	0.773%
51	16.053	2346	2351	2358	rVB4	49908	88372	6.98%	0.897%
52	16.254	2378	2384	2388	rBV	90410	159213	12.57%	1.617%

Sum of corrected areas: 9846575

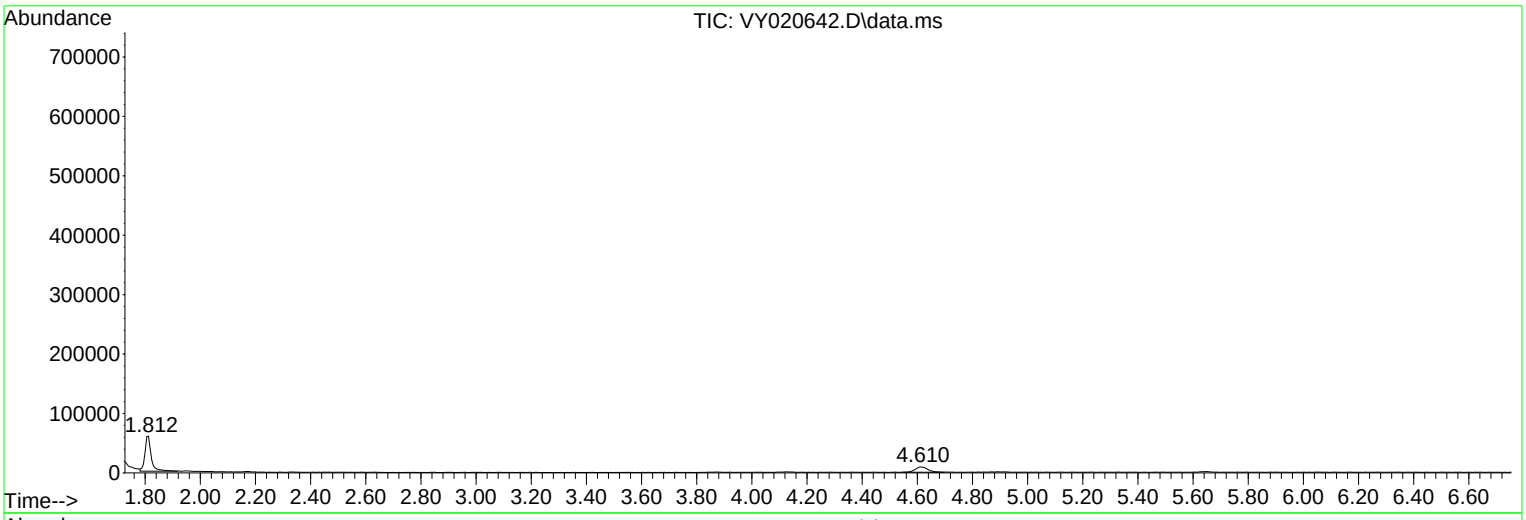
Sample Results: **VY020642.D**

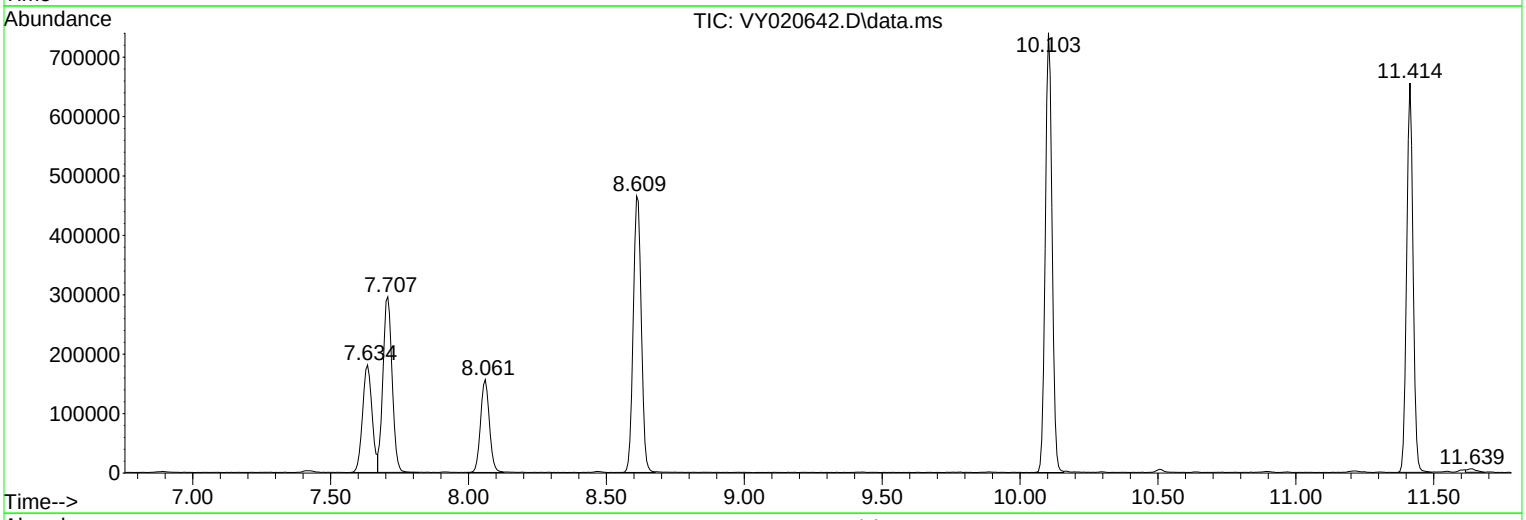
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

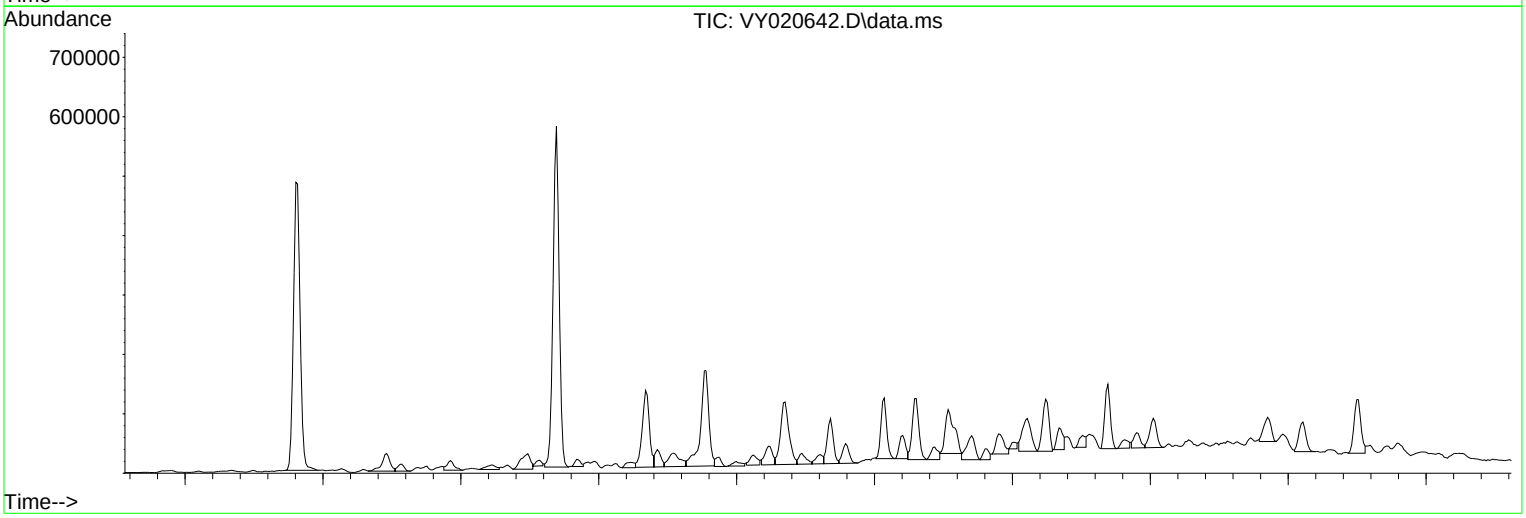
Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

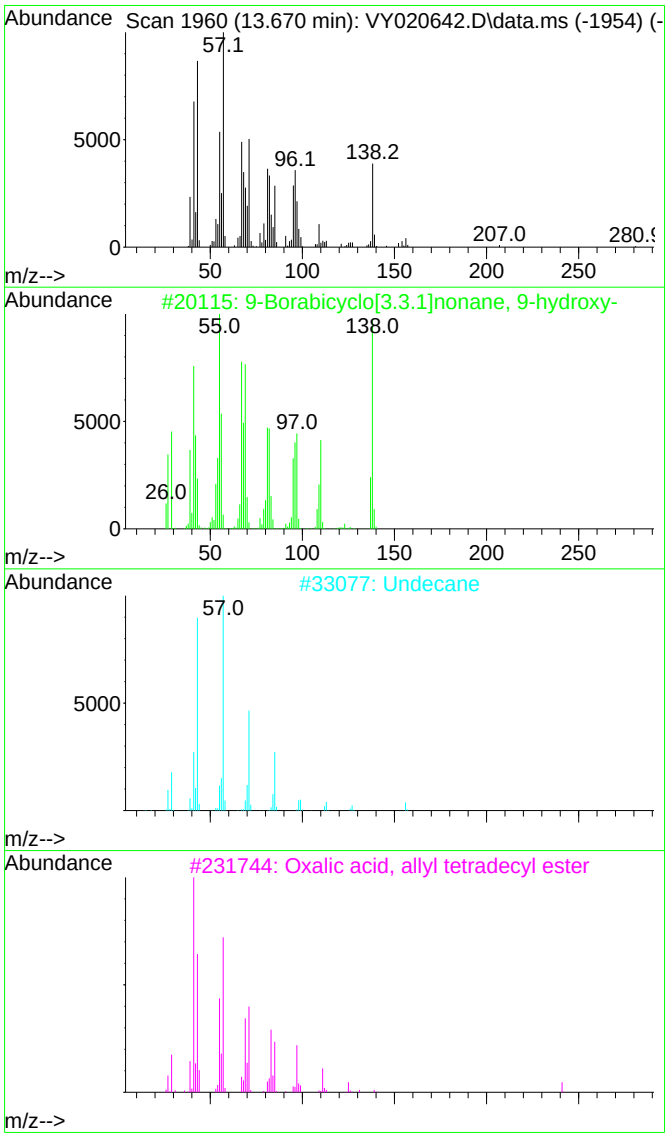
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

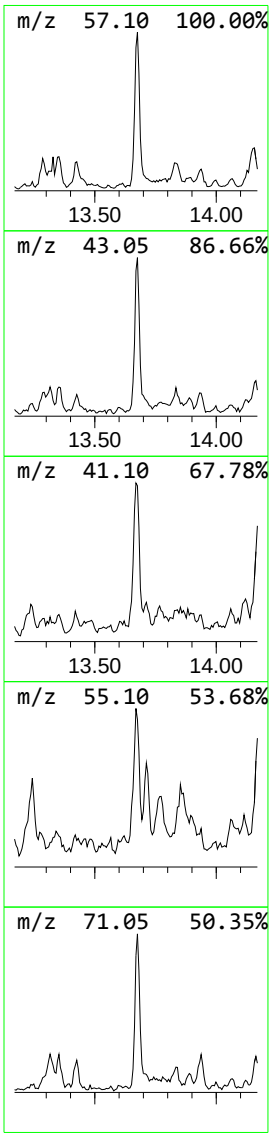
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown13.670 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.670	13.32 ug/l	233669	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	41
2	Undecane	156	C11H24	001120-21-4	35
3	Oxalic acid, allyl tetradecyl ester	326	C19H34O4	1000309-24-2	30
4	Butanoic acid, 5-methyl-2-(1-met...	226	C14H26O2	092319-43-2	27
5	Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

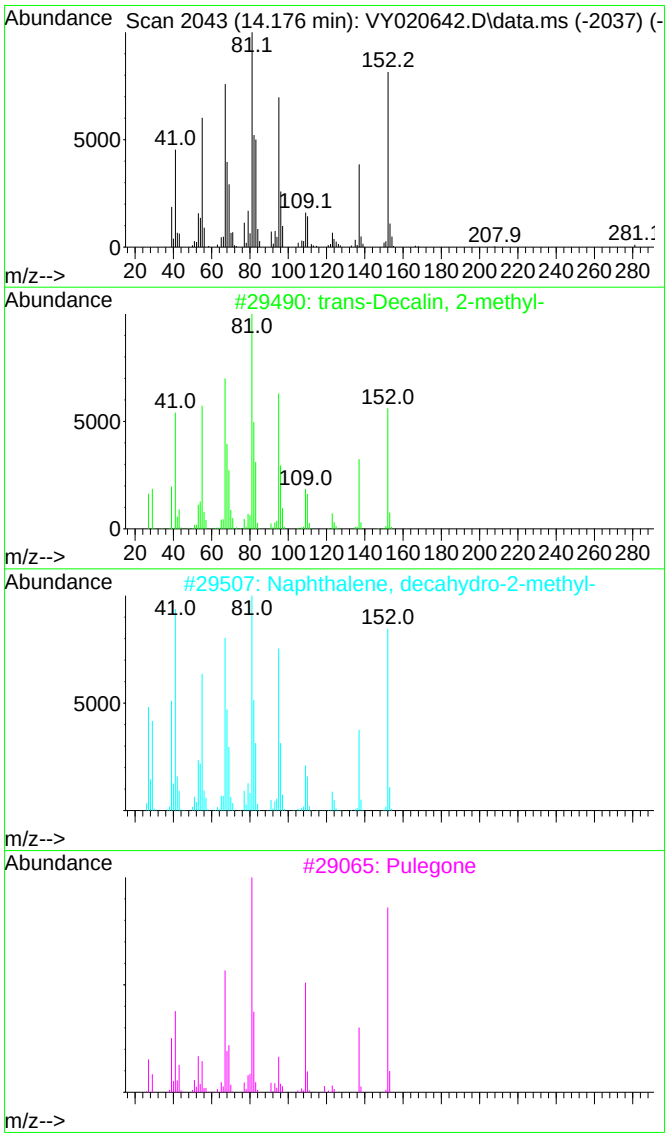
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

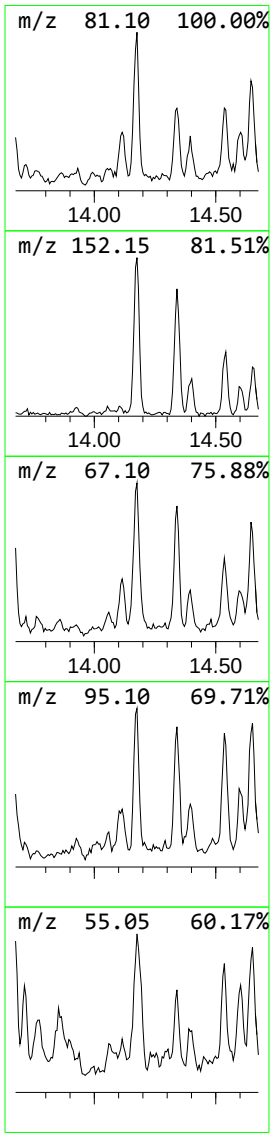
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 trans-Decalin, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.176	12.88 ug/l	225963	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	97
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
3	Pulegone	152	C10H16O	000089-82-7	68
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	68
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

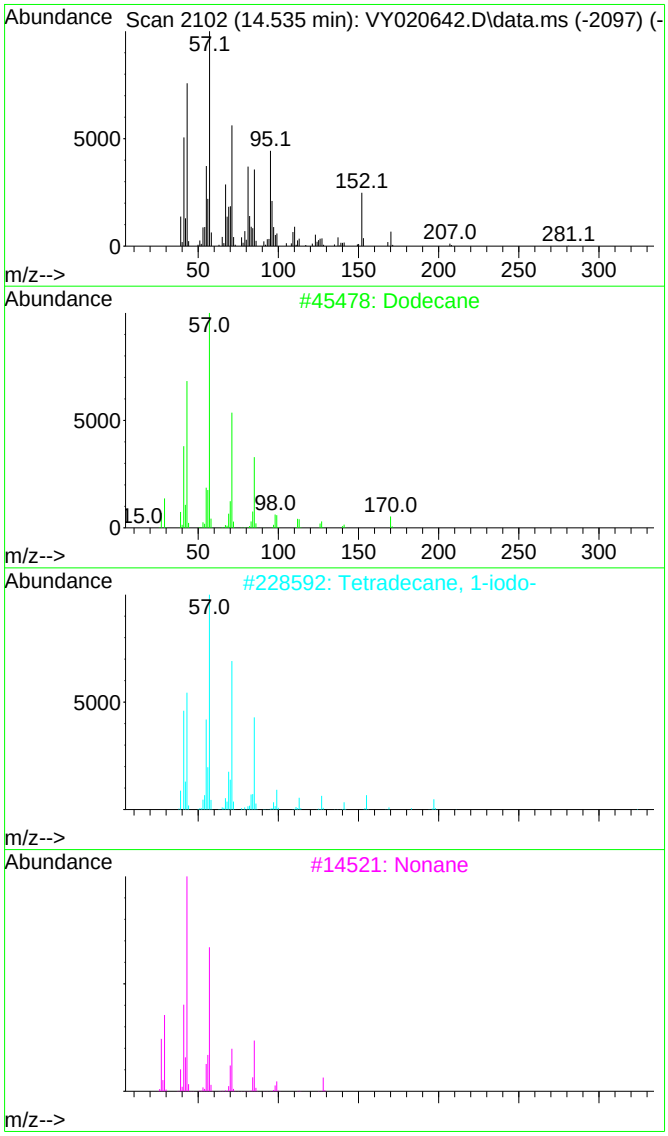
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

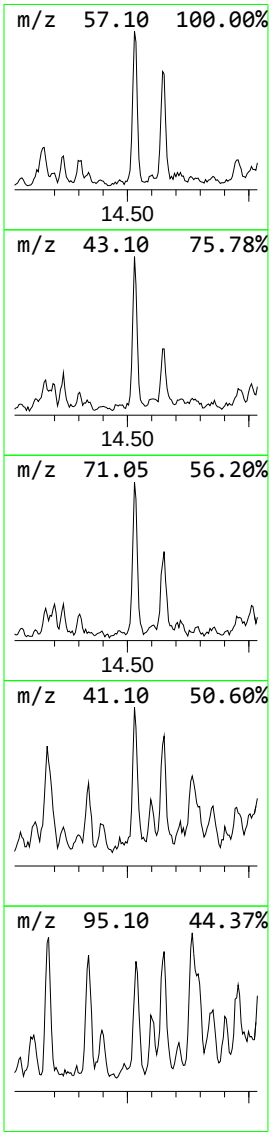
****

Peak Number 4 Dodecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.535	8.45 ug/l	148182	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	53
2	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	38
3	Nonane	128	C9H20	000111-84-2	38
4	Nonadecane	268	C19H40	000629-92-5	38
5	Tetradecane	198	C14H30	000629-59-4	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

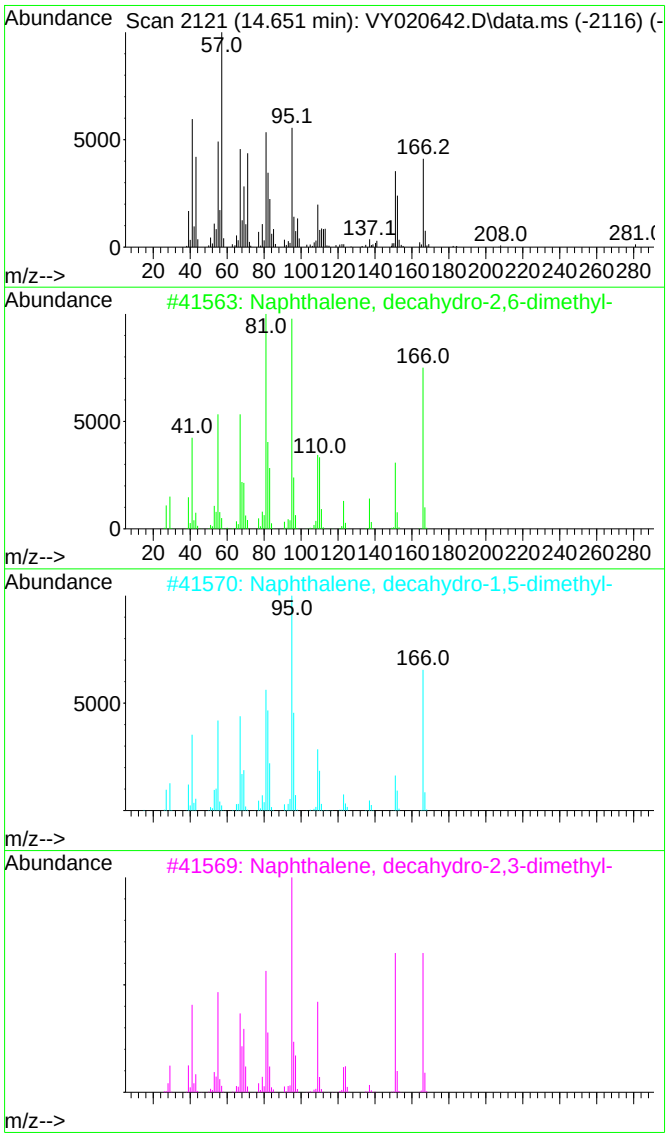
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

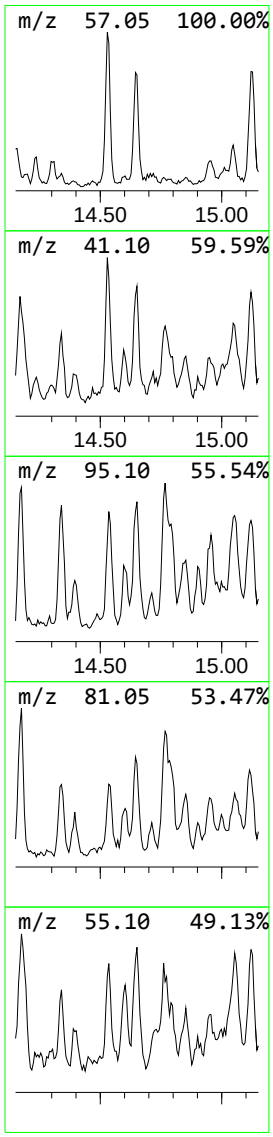
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, decahydro-2,6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	9.71 ug/l	170460	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	53
2	Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	49
3	Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	49
4	cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	46
5	Camphor	152	C10H16O	000076-22-2	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

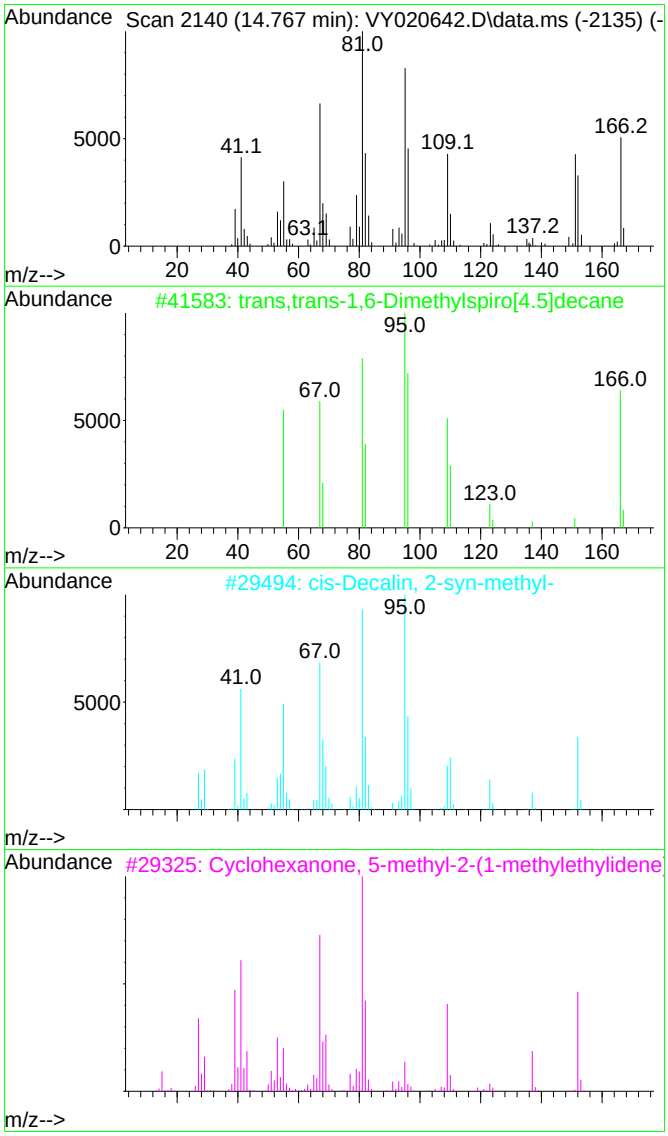
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

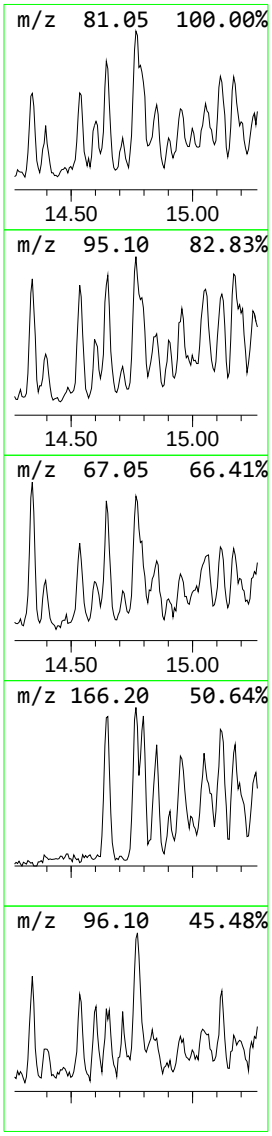
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 trans,trans-1,6-Dimethylspi... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.767	9.53 ug/l	167160	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	76
2	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	55
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	52
5	Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

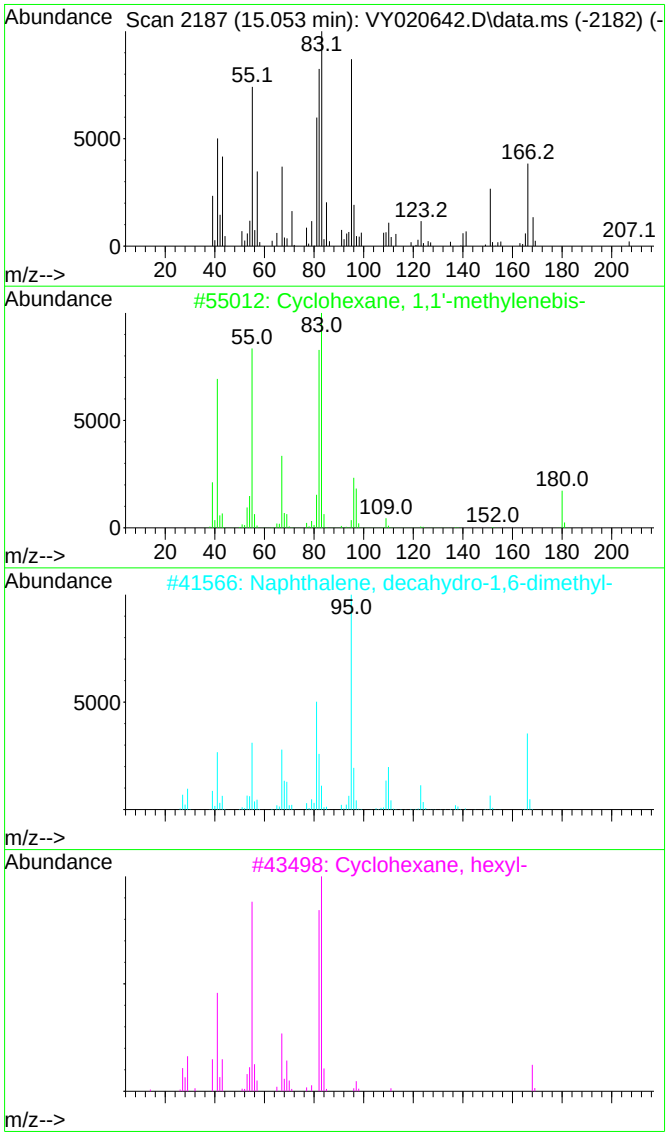
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

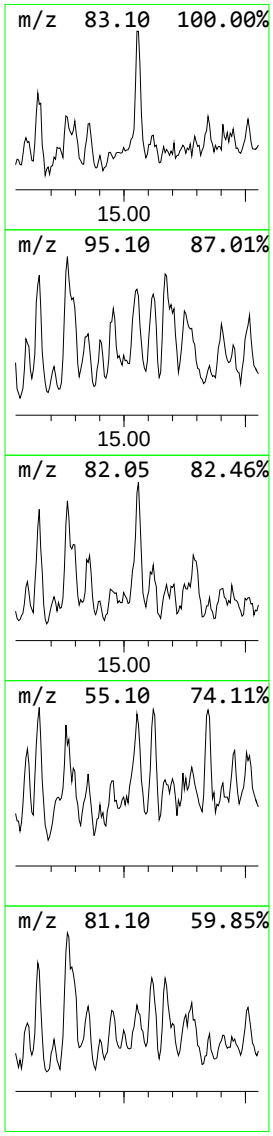
****

Peak Number 7 unknown15.054 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.054	6.94 ug/l	121769	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1'-methylenebis-	180	C13H24	003178-23-2	38
2	Naphthalene, decahydro-1,6-dimet...	166	C12H22	001750-51-2	38
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	38
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	166	C11H18O	005811-48-3	38
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

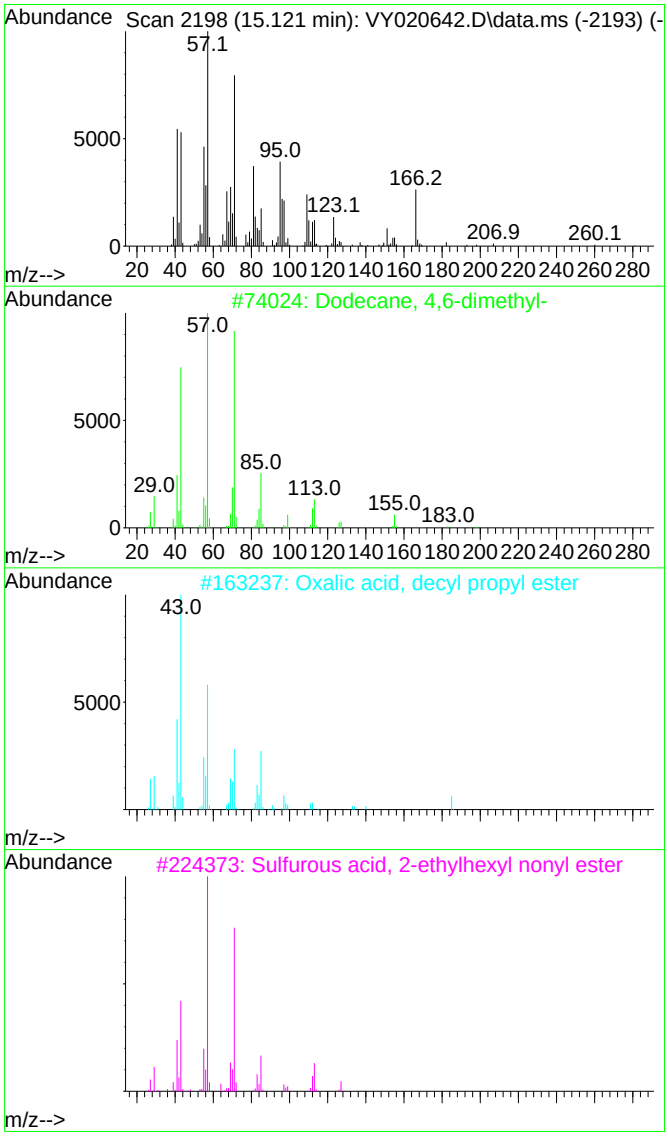
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

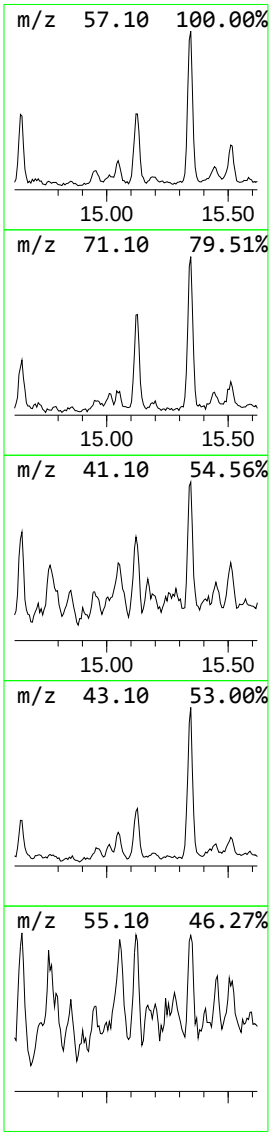
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Dodecane, 4,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.121	8.17 ug/l	143360	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	86
2	Oxalic acid, decyl propyl ester	272	C15H28O4	1000309-26-3	35
3	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	30
4	Decane, 4-methyl-	156	C11H24	002847-72-5	30
5	Cyclohexanone, 2,2-dimethyl-5-(3...	182	C11H18O2	141033-65-0	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

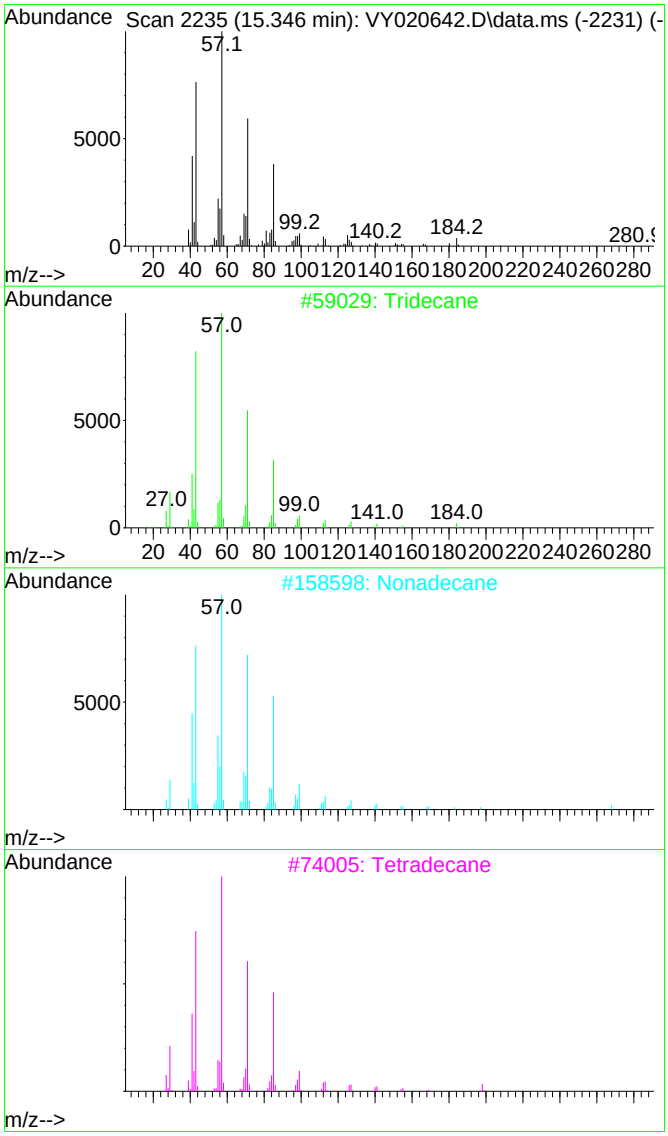
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

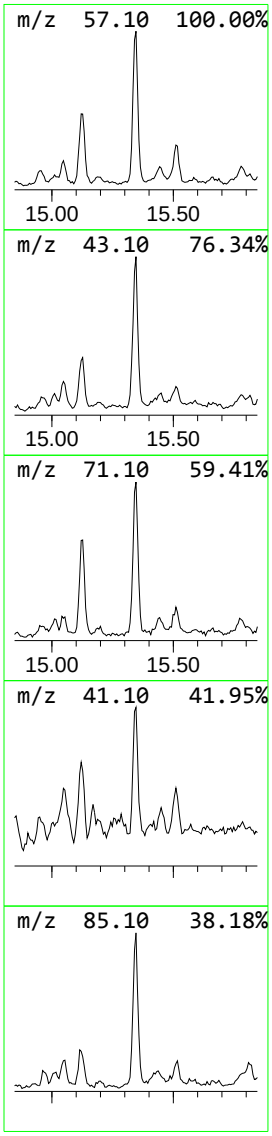
****

Peak Number 9 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.346	8.55 ug/l	150086	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Nonadecane	268	C19H40	000629-92-5	87
3	Tetradecane	198	C14H30	000629-59-4	80
4	Dodecane	170	C12H26	000112-40-3	72
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

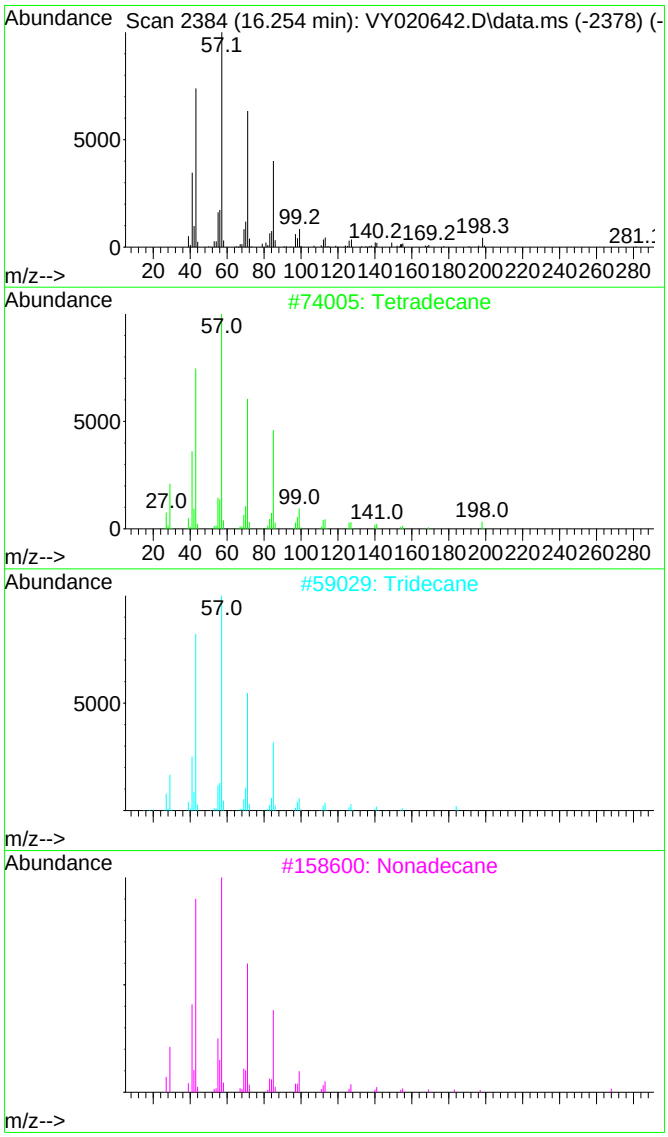
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

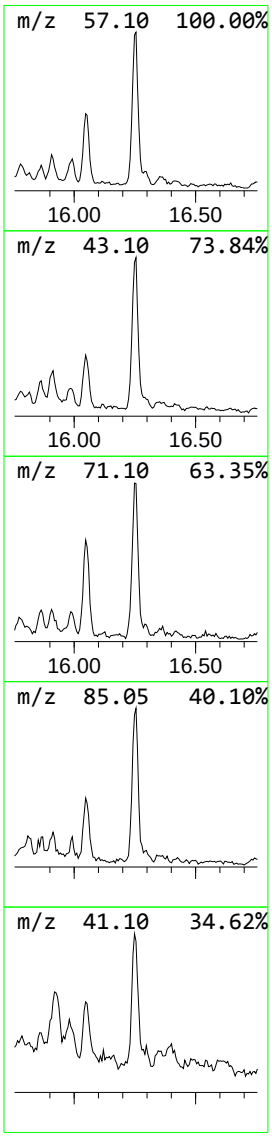
****

Peak Number 10 Tetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.255	9.07 ug/l	159213	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Tridecane	184	C13H28	000629-50-5	90
3	Nonadecane	268	C19H40	000629-92-5	87
4	Heptadecane	240	C17H36	000629-78-7	80
5	Hexadecane	226	C16H34	000544-76-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020642.D
Acq On : 18 Dec 2024 17:38
Operator : SY/MD
Sample : P5299-01
Misc : 6.95g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.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
unknown13.670	13.670	13.3	ug/l	233669	4	13.346	877309	50.0
trans-Decalin, ...	14.176	12.9	ug/l	225963	4	13.346	877309	50.0
Dodecane	14.535	8.4	ug/l	148182	4	13.346	877309	50.0
Naphthalene, de...	14.651	9.7	ug/l	170460	4	13.346	877309	50.0
trans,trans-1,6...	14.767	9.5	ug/l	167160	4	13.346	877309	50.0
unknown15.054	15.054	6.9	ug/l	121769	4	13.346	877309	50.0
Dodecane, 4,6-d...	15.121	8.2	ug/l	143360	4	13.346	877309	50.0
Tridecane	15.346	8.6	ug/l	150086	4	13.346	877309	50.0
Tetradecane	16.255	9.1	ug/l	159213	4	13.346	877309	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Quant Time: Dec 19 02:50:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

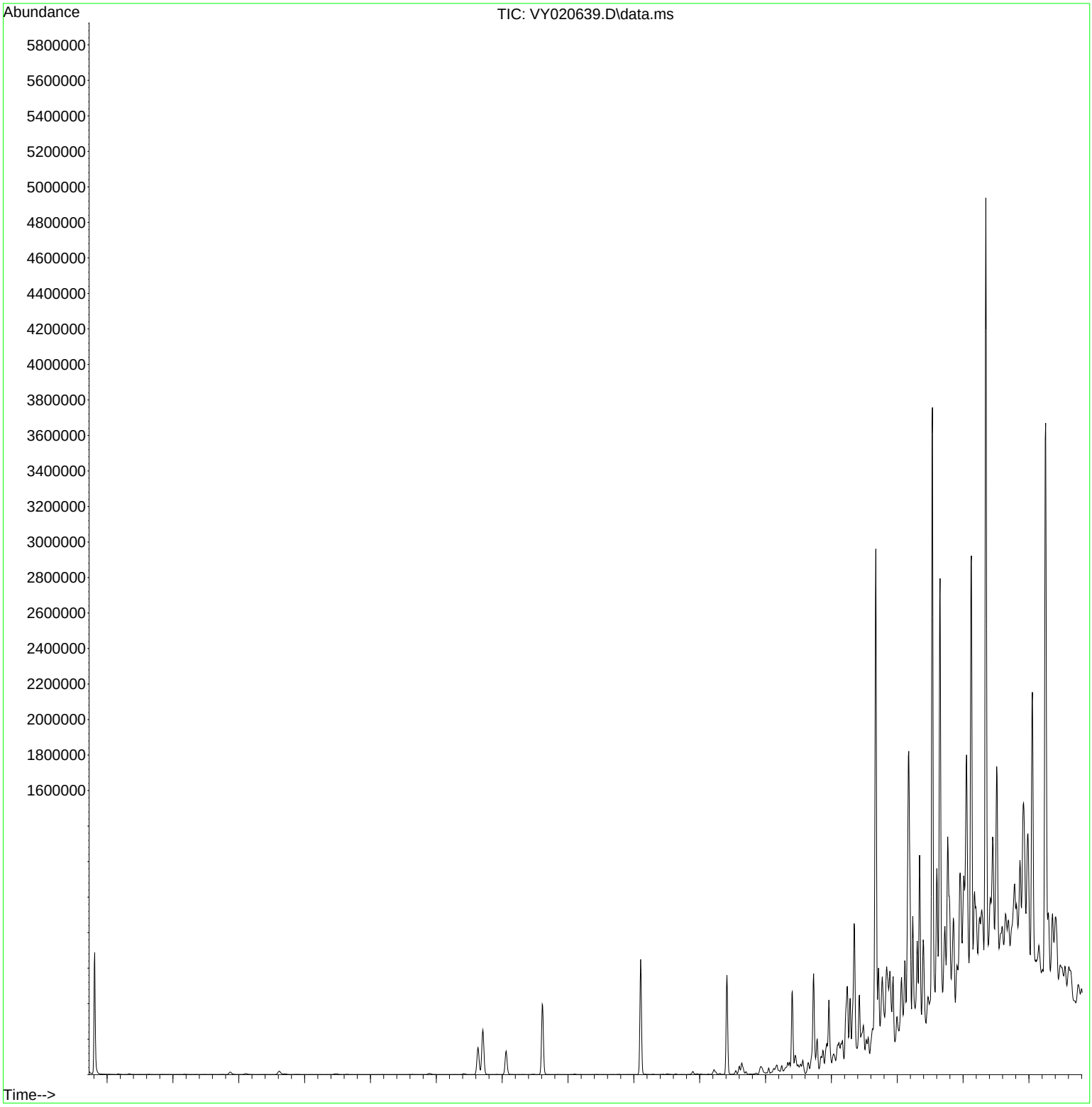
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	192200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	339150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	294759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	123499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104831	49.801	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.600%		
35) Dibromofluoromethane	7.634	113	107937	45.157	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.320%		
50) Toluene-d8	10.103	98	408746	48.857	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.720%		
62) 4-Bromofluorobenzene	12.401	95	132372	40.448	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	80.900%		
Target Compounds						Qvalue
16) Acetone	3.872	43	25384	55.697	ug/l	97
17) Carbon Disulfide	4.104	76	8955	1.142	ug/l	99
20) Methylene Chloride	4.616	84	13870	5.300	ug/l	94
25) 2-Butanone	6.890	43	8591	10.982	ug/l	93

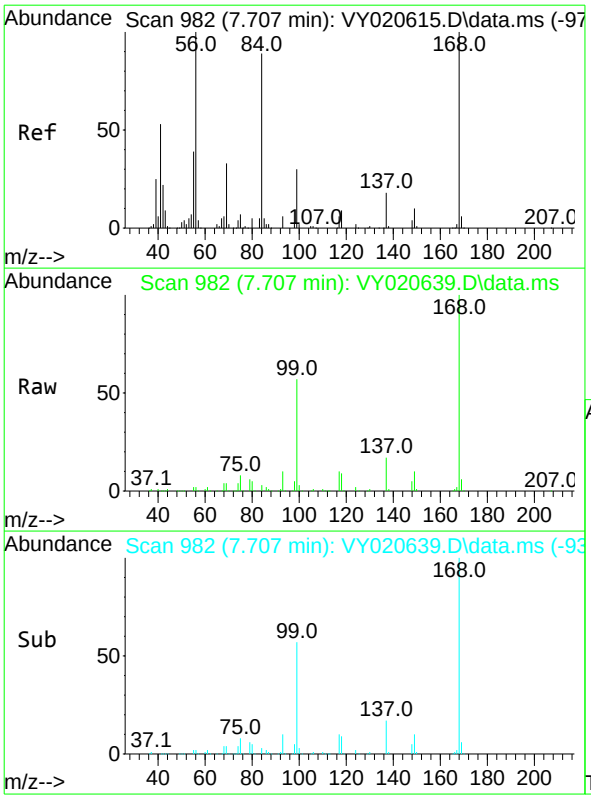
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Quant Time: Dec 19 02:50:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



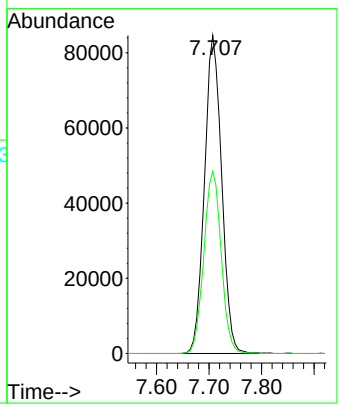


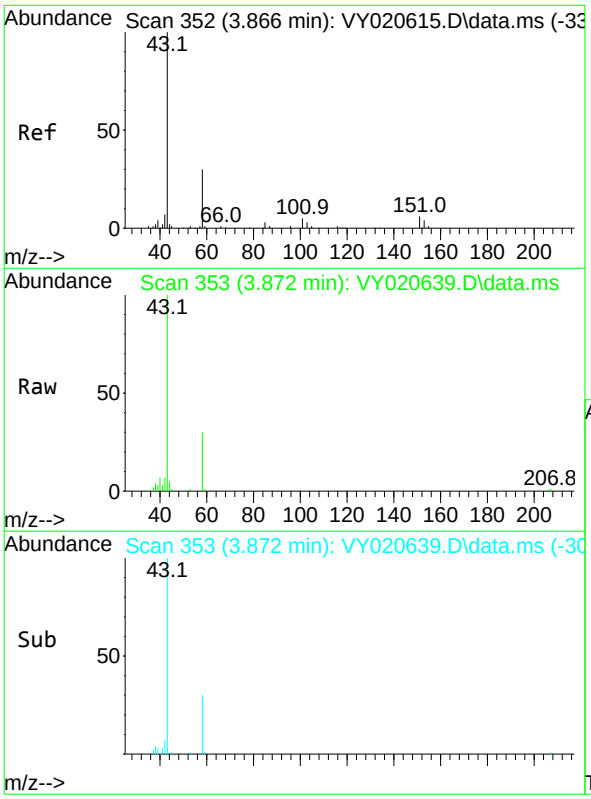
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020639.D
Acq: 18 Dec 2024 16:27

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Tgt Ion:168 Resp: 192200

Ion	Ratio	Lower	Upper
168	100		
99	57.2	47.0	70.6

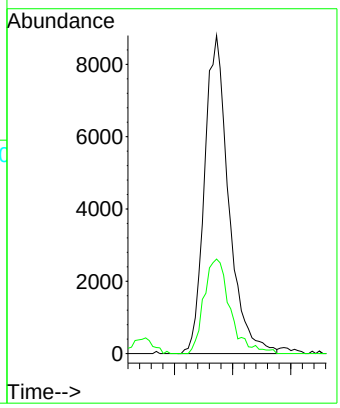


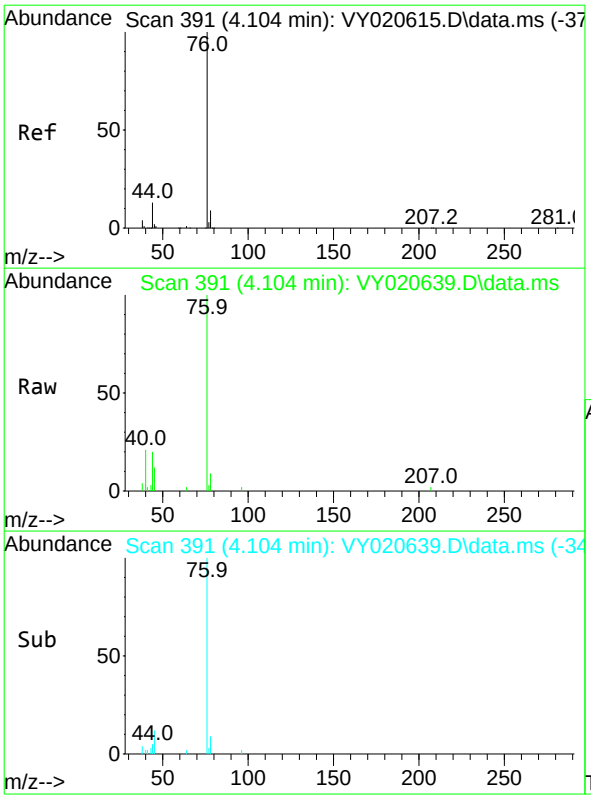


#16
Acetone
Concen: 55.697 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY020639.D
Acq: 18 Dec 2024 16:27

Tgt Ion: 43 Resp: 25384

Ion	Ratio	Lower	Upper
43	100		
58	29.7	25.0	37.6



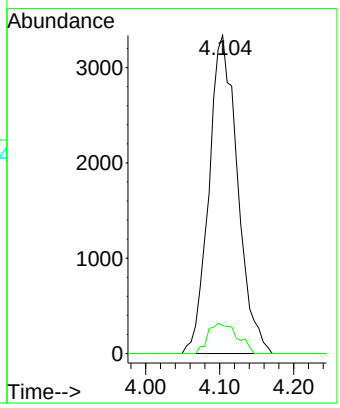


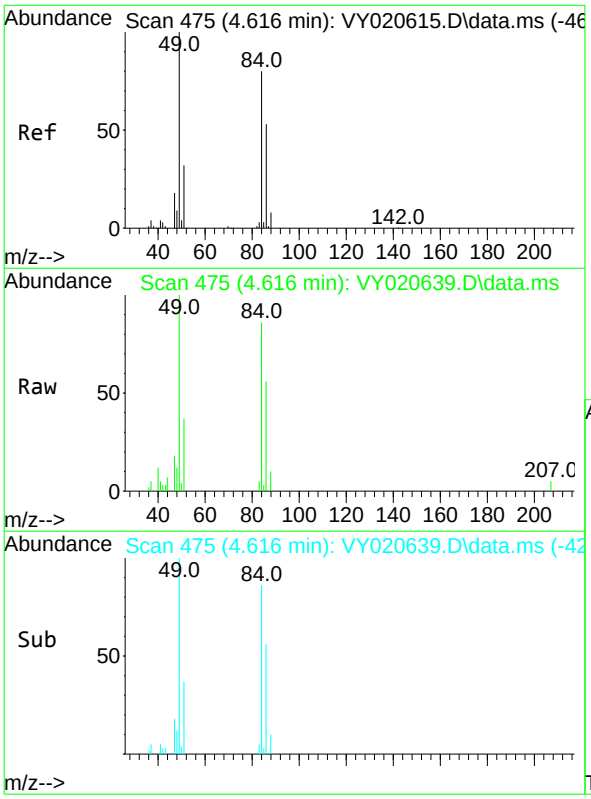
#17
Carbon Disulfide
Concen: 1.142 ug/l
RT: 4.104 min Scan# 39
Delta R.T. 0.000 min
Lab File: VY020639.D
Acq: 18 Dec 2024 16:27

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Tgt Ion: 76 Resp: 8955

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

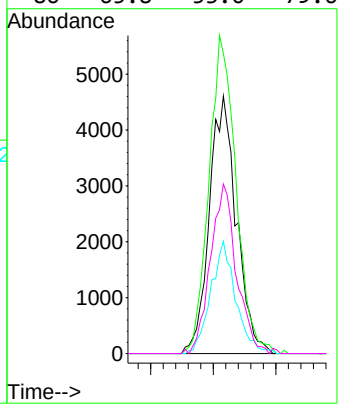


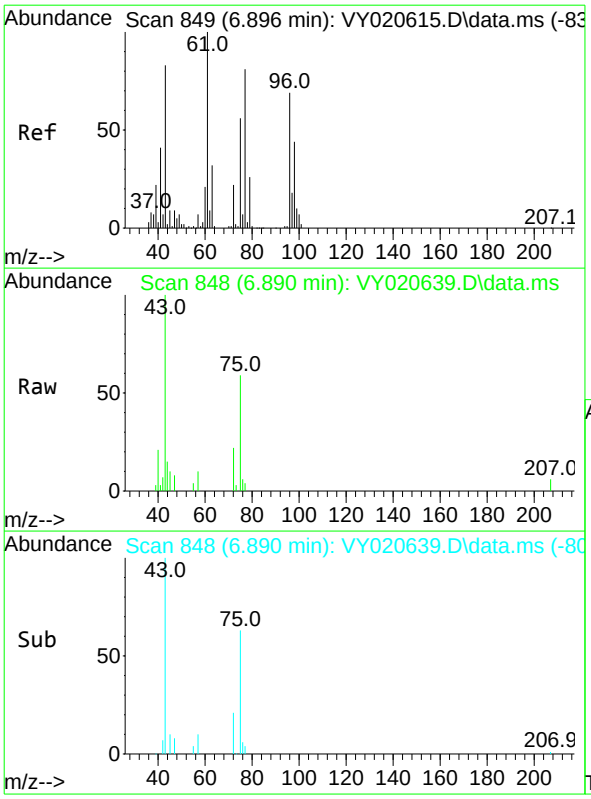


#20
Methylene Chloride
Concen: 5.300 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY020639.D
Acq: 18 Dec 2024 16:27

Tgt Ion: 84 Resp: 13870

Ion	Ratio	Lower	Upper
84	100		
49	116.6	100.7	151.1
51	43.5	32.2	48.2
86	65.8	53.0	79.6



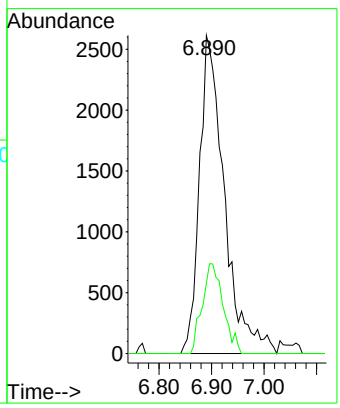


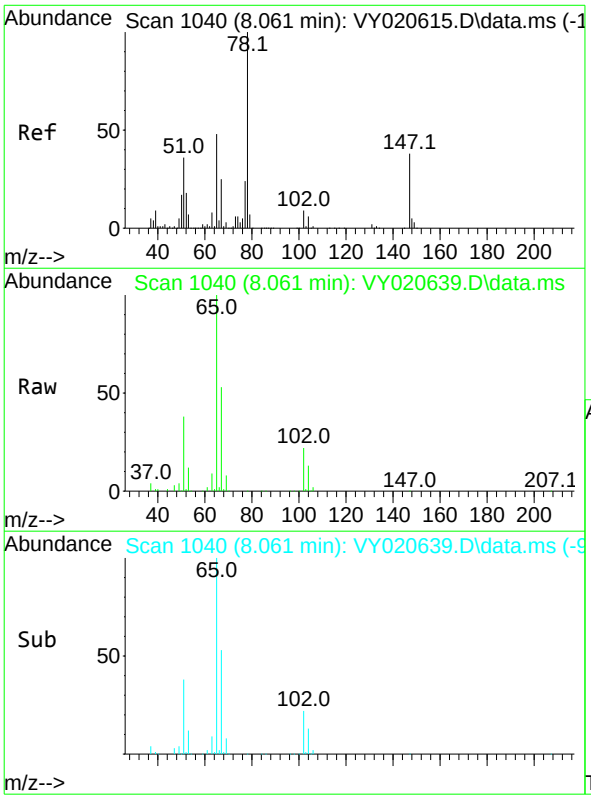
#25
2-Butanone
Concen: 10.982 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY020639.D
Acq: 18 Dec 2024 16:27

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Tgt Ion: 43 Resp: 8591

Ion	Ratio	Lower	Upper
43	100		
72	22.2	20.6	31.0

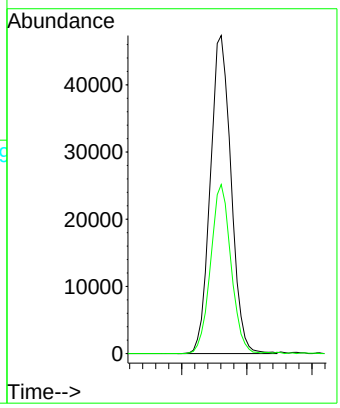




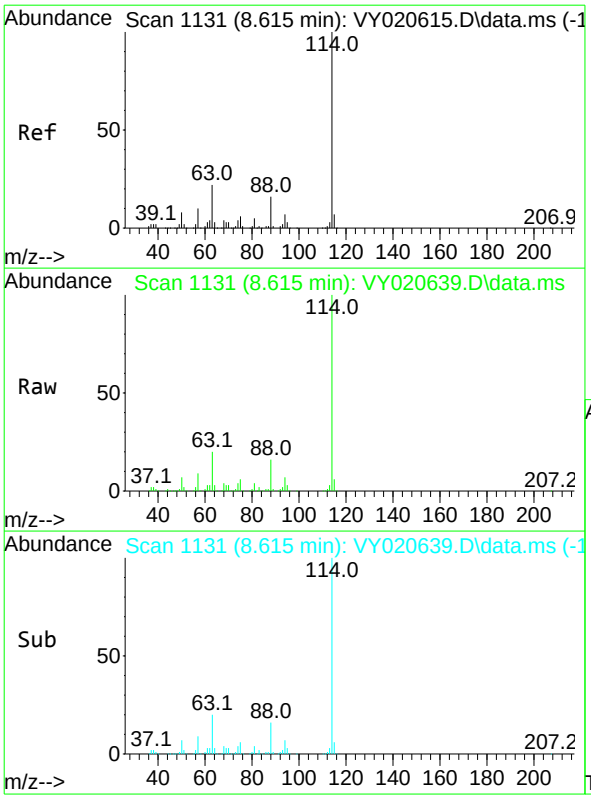
#33
1,2-Dichloroethane-d4
Concen: 49.801 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020639.D
Acq: 18 Dec 2024 16:27

Tgt Ion: 65 Resp: 104831

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	108.0



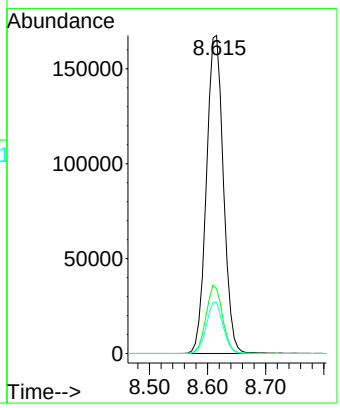
Instrument :
MSVOA_Y
ClientSampleId :
SB-02

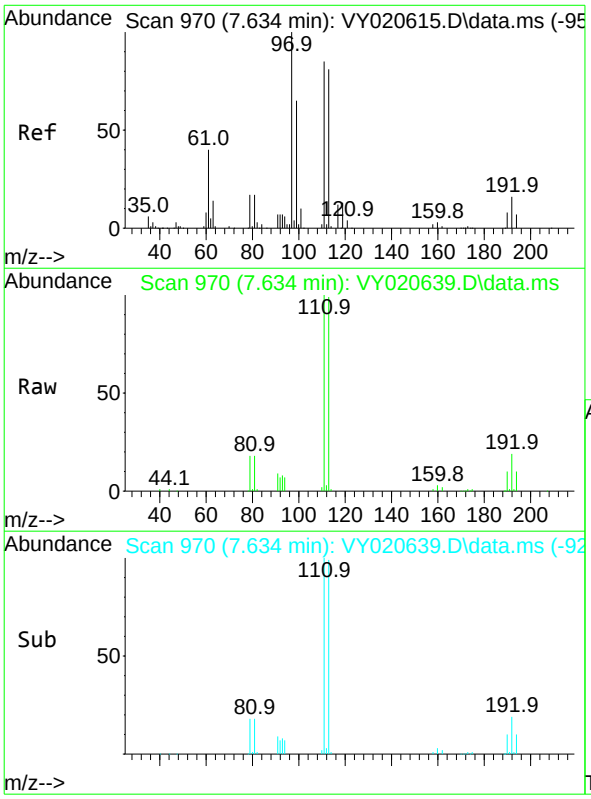


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020639.D
Acq: 18 Dec 2024 16:27

Tgt Ion:114 Resp: 339150

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	44.0
88	16.2	0.0	32.8

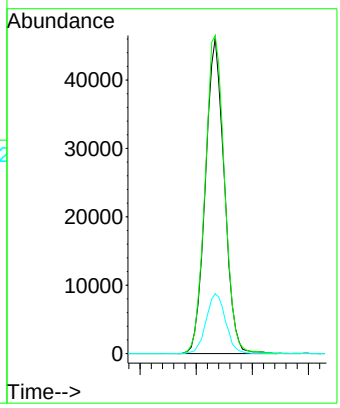


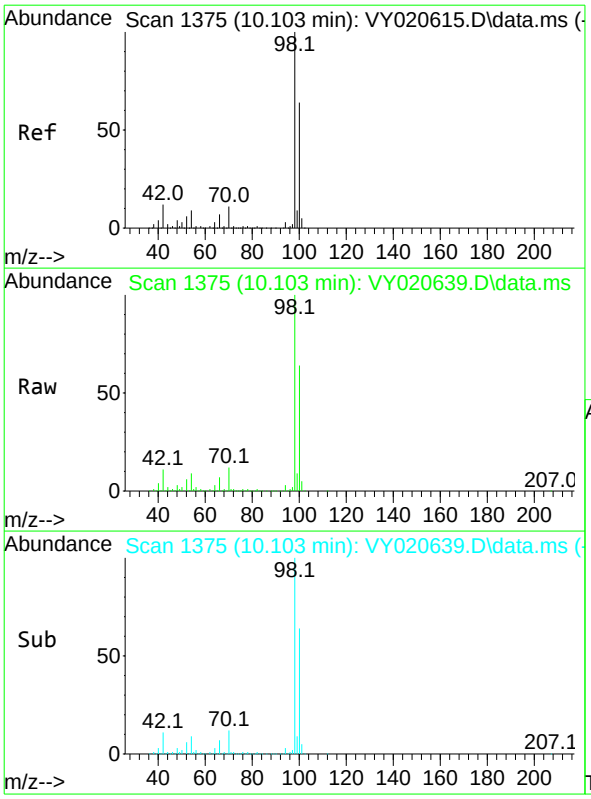


#35
Dibromofluoromethane
Concen: 45.157 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020639.D
Acq: 18 Dec 2024 16:27

Tgt Ion:113 Resp: 107937

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.9	124.3
192	19.5	15.7	23.5



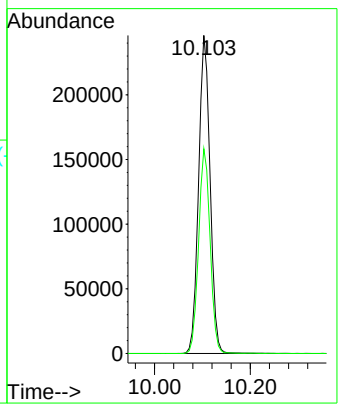


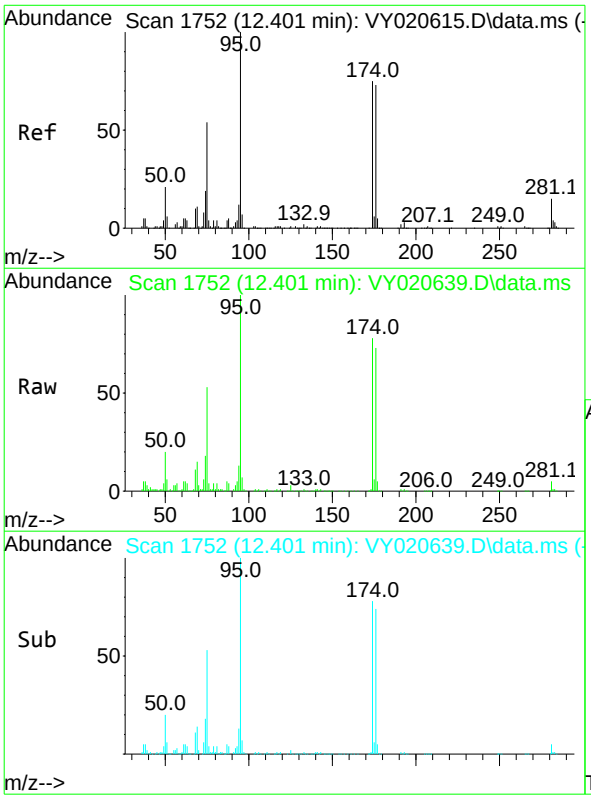
#50
Toluene-d8
Concen: 48.857 ug/l
RT: 10.103 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020639.D
Acq: 18 Dec 2024 16:27

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Tgt Ion: 98 Resp: 408746

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

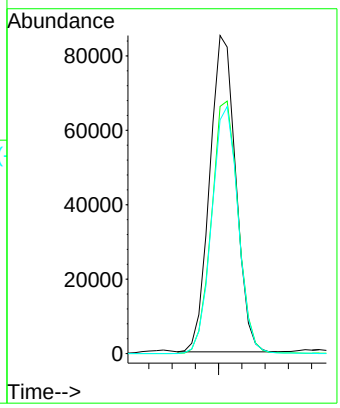


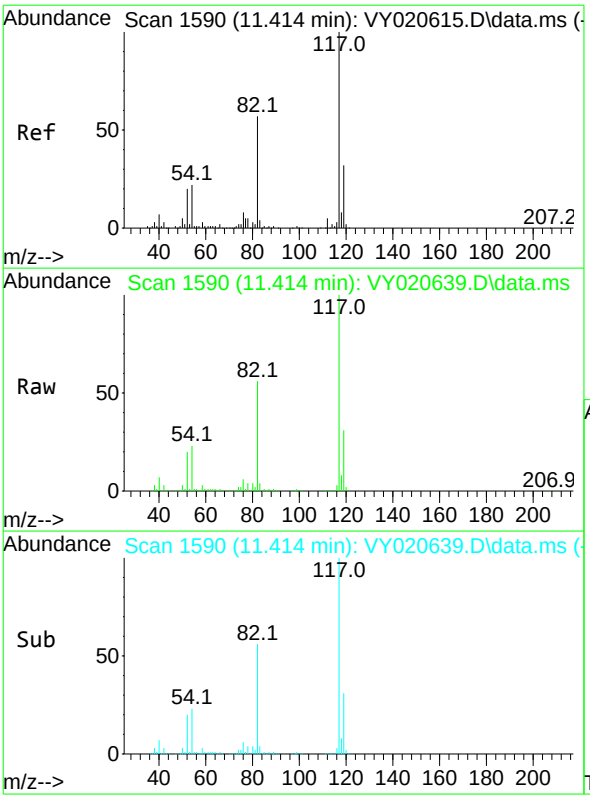


#62
4-Bromofluorobenzene
Concen: 40.448 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020639.D
Acq: 18 Dec 2024 16:27

Tgt Ion: 95 Resp: 132372

Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	161.8
176	79.3	0.0	156.6



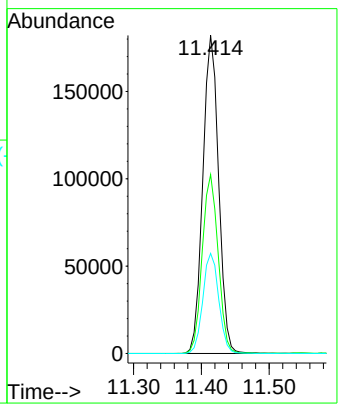


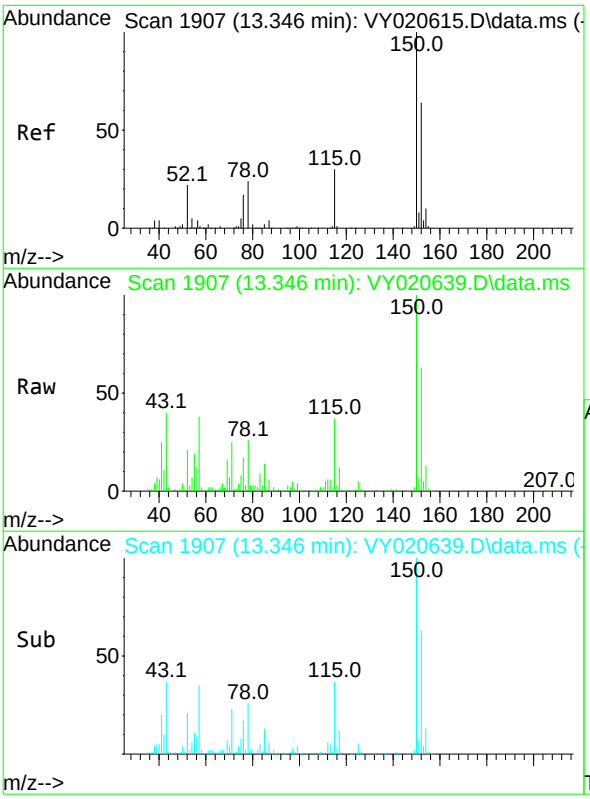
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020639.D
Acq: 18 Dec 2024 16:27

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Tgt Ion:117 Resp: 294759

Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.8	68.6
119	31.5	25.3	37.9

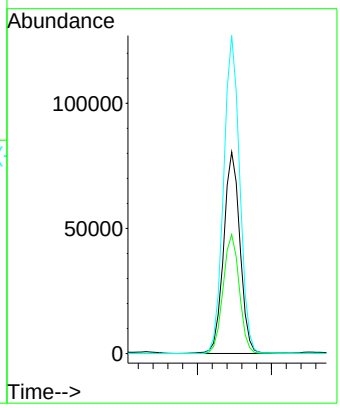




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020639.D
Acq: 18 Dec 2024 16:27

Tgt Ion:152 Resp: 123499

Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.2	90.6
150	155.3	0.0	355.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Title : SW846 8260

Signal : TIC: VY020639.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	9	15	32	rVB	685064	941421	15.63%	1.304%
2	7.634	960	970	976	rBV	151205	363505	6.04%	0.503%
3	7.707	976	982	993	rVB	250084	569026	9.45%	0.788%
4	8.061	1028	1040	1051	rBV	131759	290727	4.83%	0.403%
5	8.609	1122	1130	1146	rBV	395128	795313	13.20%	1.101%
6	10.103	1367	1375	1383	rBV	648517	1082929	17.98%	1.500%
7	11.414	1583	1590	1601	rVB	557746	909367	15.10%	1.259%
8	11.603	1616	1621	1624	rBV	42032	72334	1.20%	0.100%
9	11.639	1624	1627	1635	rVB4	57911	116647	1.94%	0.162%
10	11.932	1667	1675	1686	rBV7	42746	145325	2.41%	0.201%
11	12.170	1709	1714	1722	rVB5	35414	76799	1.28%	0.106%
12	12.407	1748	1753	1757	rBV3	417350	656993	10.91%	0.910%
13	12.450	1757	1760	1765	rVB3	59697	96726	1.61%	0.134%
14	12.566	1776	1779	1786	rVB2	74070	124186	2.06%	0.172%
15	12.651	1786	1793	1796	rBV4	60572	121136	2.01%	0.168%
16	12.731	1796	1806	1811	rBV2	534372	1004540	16.68%	1.391%
17	12.785	1811	1815	1820	rVB	165879	264398	4.39%	0.366%
18	12.840	1820	1824	1826	rBV3	69499	108595	1.80%	0.150%
19	12.871	1826	1829	1833	rVB2	72712	97957	1.63%	0.136%
20	12.932	1833	1839	1840	rBV3	111341	199925	3.32%	0.277%
21	12.962	1840	1844	1851	rVB	352495	569750	9.46%	0.789%
22	13.035	1851	1856	1861	rBV5	48969	112256	1.86%	0.155%
23	13.096	1861	1866	1867	rBV2	88425	132473	2.20%	0.183%
24	13.243	1882	1890	1893	rBV3	408164	996792	16.55%	1.380%
25	13.285	1893	1897	1900	rVV2	299750	448605	7.45%	0.621%
26	13.346	1900	1907	1914	rVB3	705021	1389905	23.08%	1.925%
27	13.425	1915	1920	1923	rBV2	298721	438811	7.29%	0.608%
28	13.529	1934	1937	1940	rBV3	54929	80555	1.34%	0.112%
29	13.560	1940	1942	1946	rVB2	90340	102134	1.70%	0.141%
30	13.627	1946	1953	1954	rBV4	139621	273802	4.55%	0.379%
31	13.675	1954	1961	1965	rBV2	2706582	4197883	69.70%	5.814%
32	13.718	1965	1968	1972	rVB2	327135	419830	6.97%	0.581%
33	13.773	1972	1977	1983	rBV4	277320	577333	9.59%	0.800%
34	13.840	1983	1988	1993	rBV4	282688	678301	11.26%	0.939%
35	13.938	2001	2004	2009	rVB2	367489	494631	8.21%	0.685%
36	13.999	2009	2014	2018	rBV5	141409	277146	4.60%	0.384%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Title : SW846 8260

37	14.066	2019	2025	2029	rVV2	318881	609734	10.12%	0.844%
38	14.114	2029	2033	2036	rVV3	389552	628452	10.43%	0.870%
39	14.175	2036	2043	2050	rVV7	1548671	3801720	63.12%	5.265%
40	14.236	2050	2053	2059	rVV3	587451	845716	14.04%	1.171%
41	14.303	2060	2064	2067	rVV2	425756	649732	10.79%	0.900%
42	14.340	2067	2070	2075	rVB	897415	1242303	20.63%	1.720%
43	14.395	2075	2079	2086	rVB3	468169	819431	13.60%	1.135%
44	14.468	2087	2091	2094	rBV4	125084	236640	3.93%	0.328%
45	14.535	2097	2102	2109	rVV	3342949	4706494	78.14%	6.518%
46	14.602	2109	2113	2116	rVV2	716528	1112630	18.47%	1.541%
47	14.651	2116	2121	2127	rVB	2334796	3649462	60.59%	5.054%
48	14.724	2128	2133	2136	rBV4	366742	655329	10.88%	0.908%
49	14.767	2136	2140	2149	rVV4	821459	1943816	32.27%	2.692%
50	14.852	2149	2154	2159	rVB6	475386	959954	15.94%	1.329%
51	14.907	2159	2163	2166	rBV4	209260	409265	6.79%	0.567%
52	14.956	2166	2171	2176	rVV4	551522	1216490	20.20%	1.685%
53	15.011	2176	2180	2182	rVV2	514981	900432	14.95%	1.247%
54	15.053	2183	2187	2193	rVB3	1175331	2196832	36.47%	3.042%
55	15.126	2193	2199	2203	rBV	2293946	3691242	61.29%	5.112%
56	15.175	2203	2207	2215	rVB5	348485	892907	14.82%	1.237%
57	15.346	2230	2235	2241	rBV	4237546	6023066	100.00%	8.341%
58	15.413	2243	2246	2248	rVV4	290611	464217	7.71%	0.643%
59	15.450	2249	2252	2257	rVV3	631069	1112507	18.47%	1.541%
60	15.510	2257	2262	2268	rVB2	1024072	1887465	31.34%	2.614%
61	15.864	2317	2320	2324	rBV2	308879	476548	7.91%	0.660%
62	15.919	2324	2329	2335	rVV5	691247	1709389	28.38%	2.367%
63	15.986	2335	2340	2346	rVB4	679938	1482083	24.61%	2.052%
64	16.053	2346	2351	2359	rVB	1516260	2674814	44.41%	3.704%
65	16.254	2378	2384	2389	rBV	3086922	5451255	90.51%	7.549%
66	16.358	2397	2401	2405	rBV3	284518	531164	8.82%	0.736%

Sum of corrected areas: 72209145

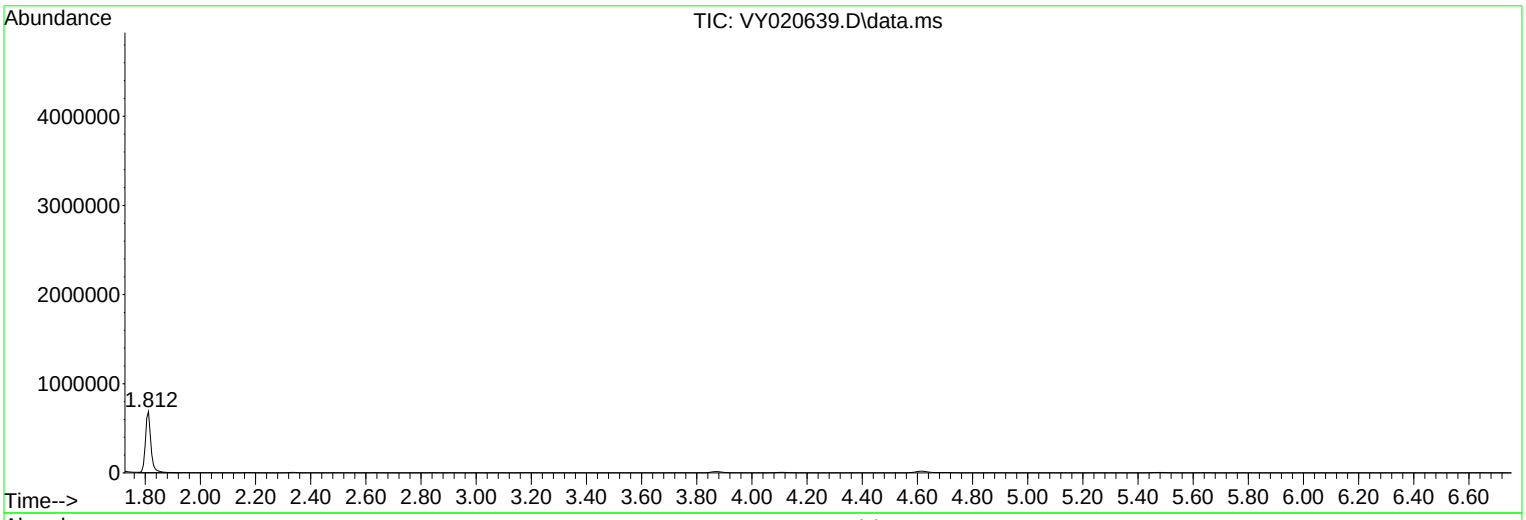
Sample Results: **VY020639.D**

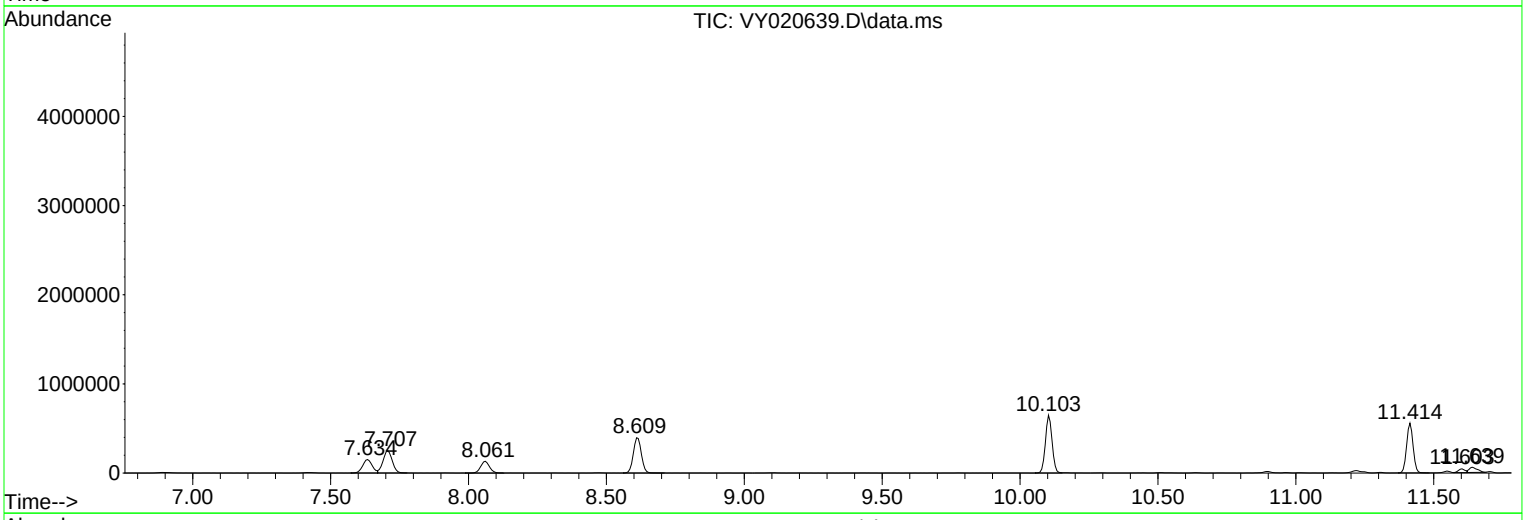
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

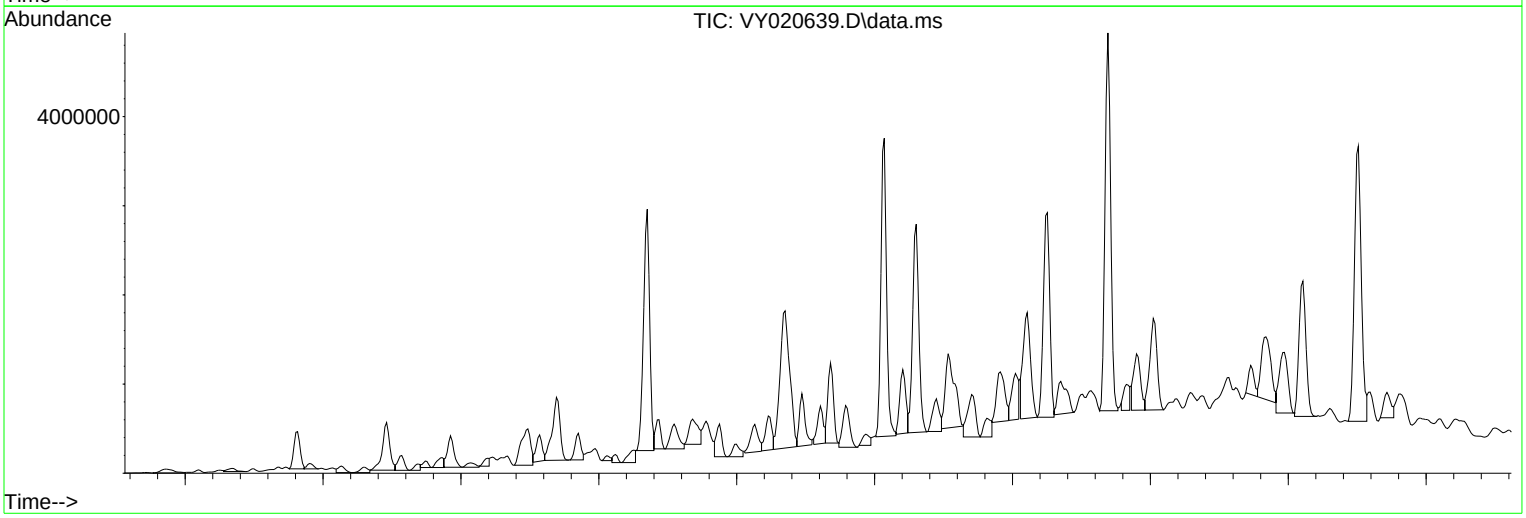
Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

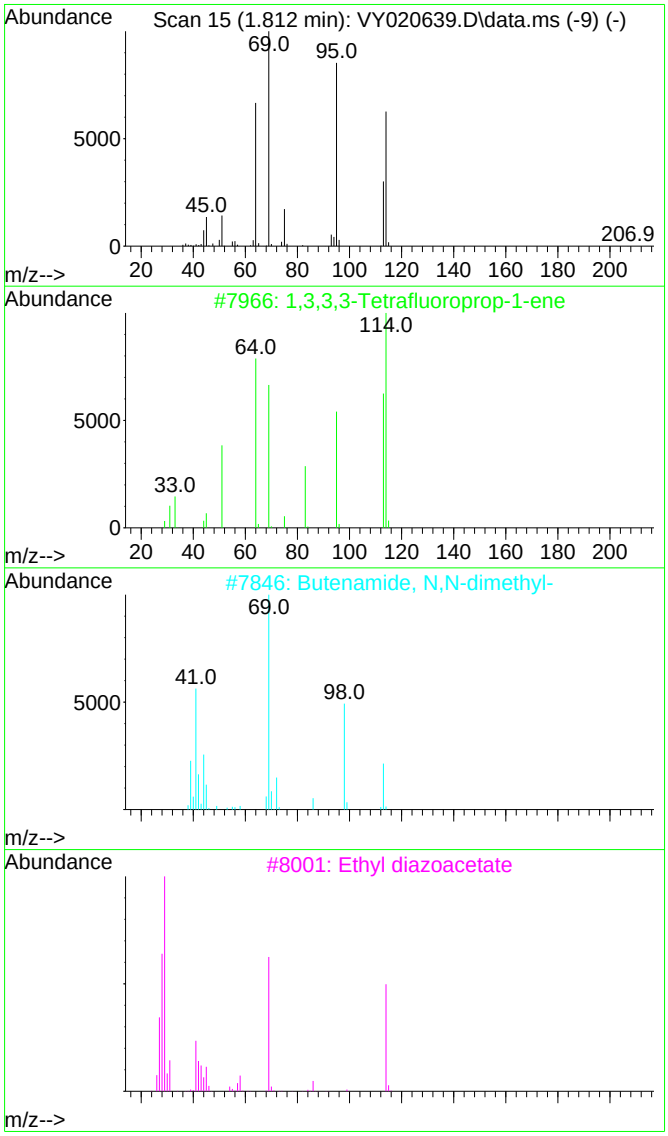
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

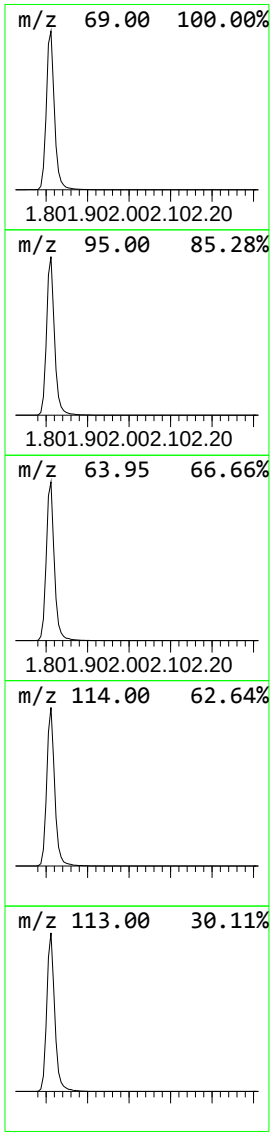
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 unknown1.812 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.812	82.72 ug/l	941421	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,3,3-Tetrafluoroprop-1-ene	114	C3H2F4	1000389-53-0	10
2	Butenamide, N,N-dimethyl-	113	C6H11NO	023135-18-4	9
3	Ethyl diazoacetate	114	C4H6N2O2	000623-73-4	9
4	2-Pentenoic acid, 2-methyl-	114	C6H10O2	003142-72-1	9
5	3-Pyridinol	95	C5H5NO	000109-00-2	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

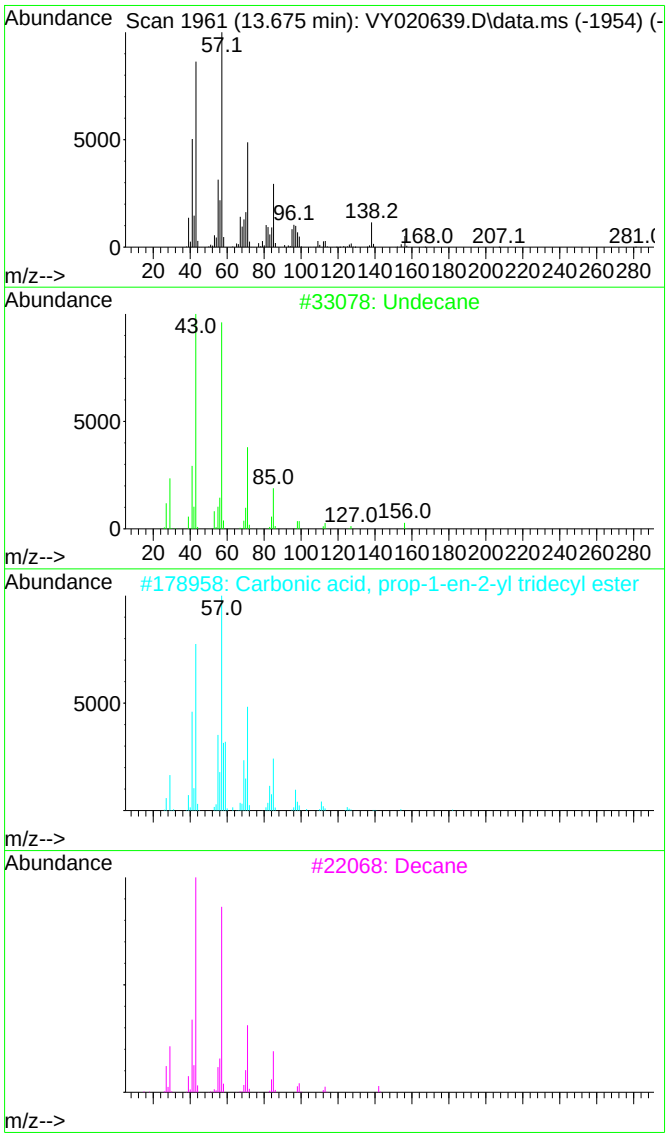
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

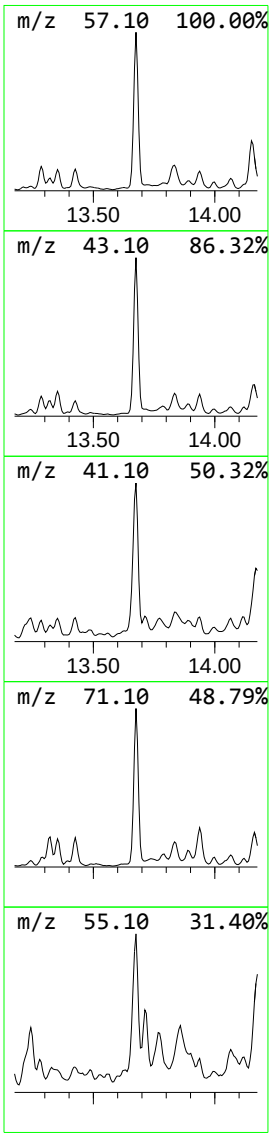
****

Peak Number 2 Undecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	151.01 ug/l	4197880	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	81
2	Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	80
3	Decane	142	C10H22	000124-18-5	64
4	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	64
5	Tetradecane	198	C14H30	000629-59-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

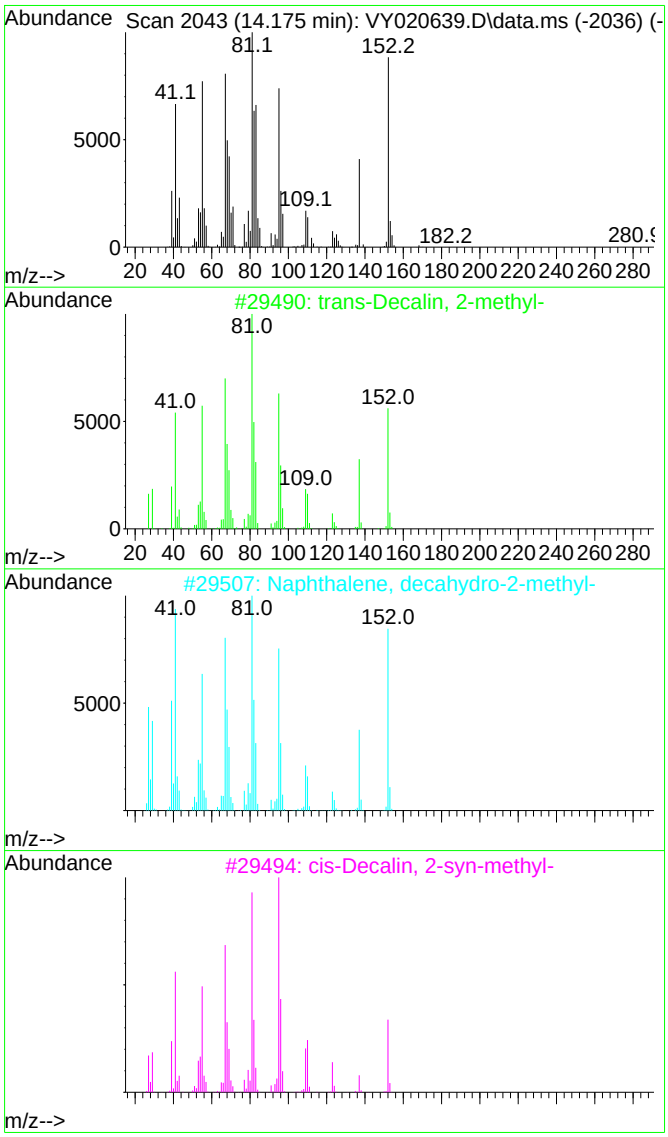
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

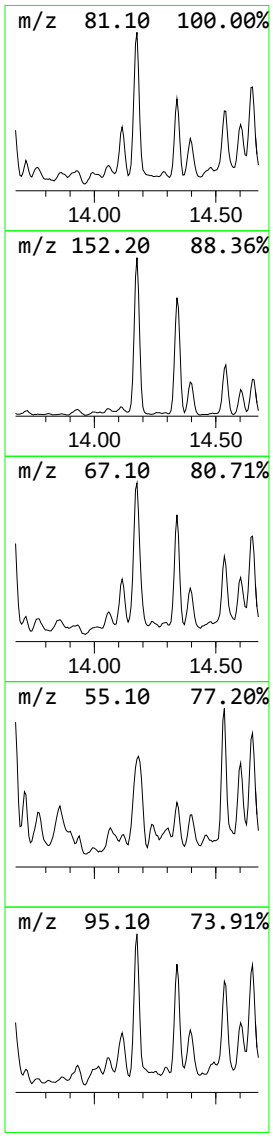
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 trans-Decalin, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.175	136.76 ug/l	3801720	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	97
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	74
4	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	68
5	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

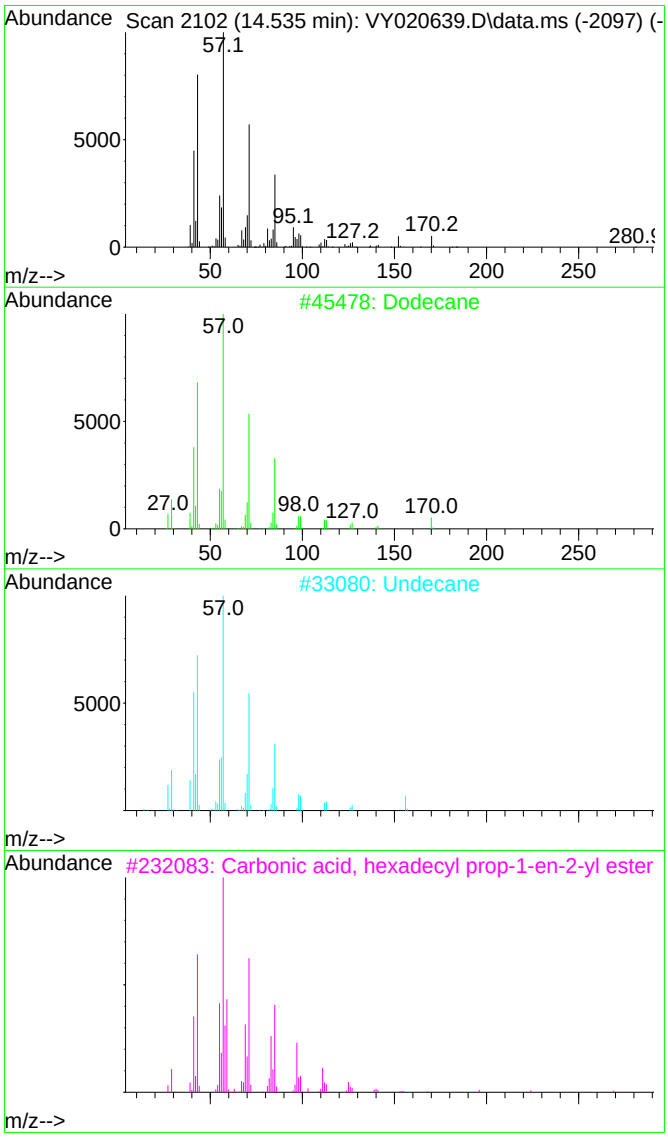
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

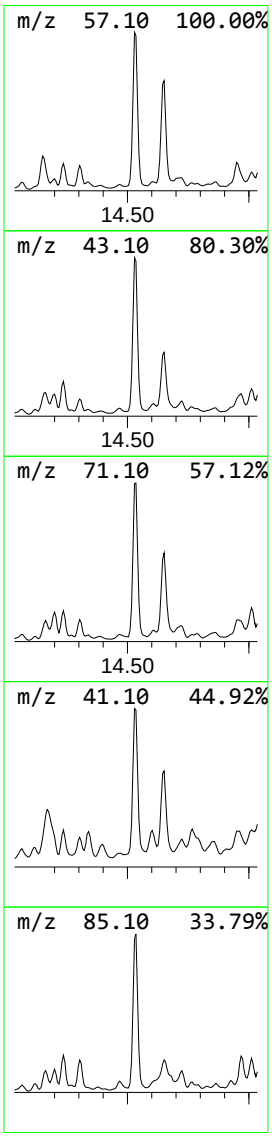
****

Peak Number 4 Dodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.535	169.31 ug/l	4706490	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	96
2	Undecane	156	C11H24	001120-21-4	72
3	Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	72
4	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	64
5	Hexadecane	226	C16H34	000544-76-3	64





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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On    : 18 Dec 2024  16:27
Operator  : SY/MD
Sample    : P5299-02
Misc      : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial  : 18   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title  : SW846 8260

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

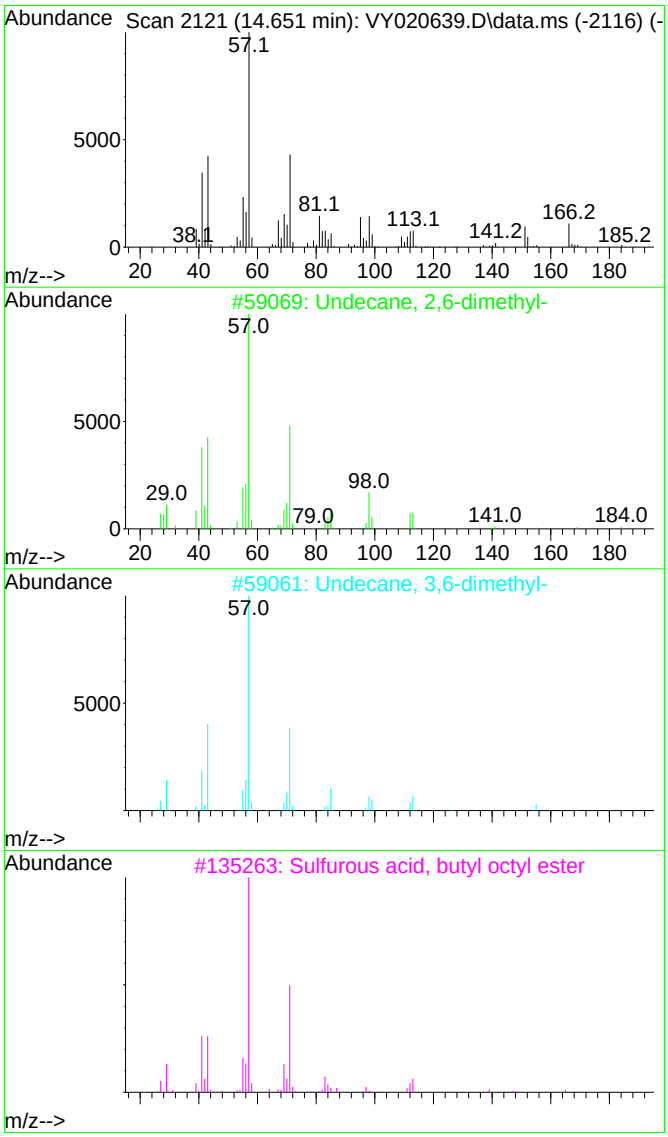
Instrument :
MSVOA_Y
ClientSampleId :
SB-02

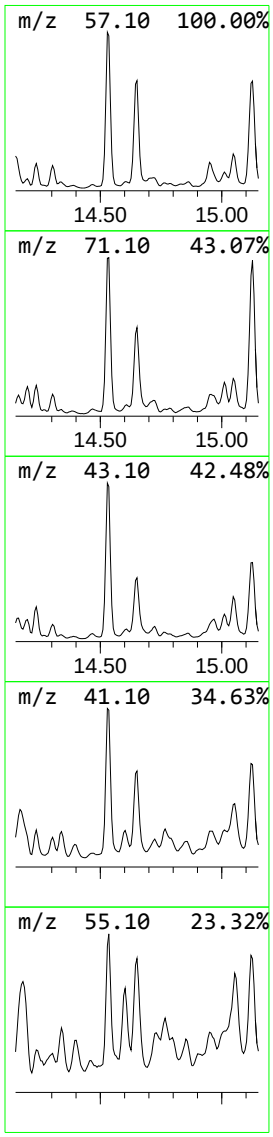
****

Peak Number 5 Undecane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	131.29 ug/l	3649460	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	93
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	60
3	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	49
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	45
5	Sulfurous acid, 2-ethylhexyl oct...	446	C26H54O3S	1000309-20-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

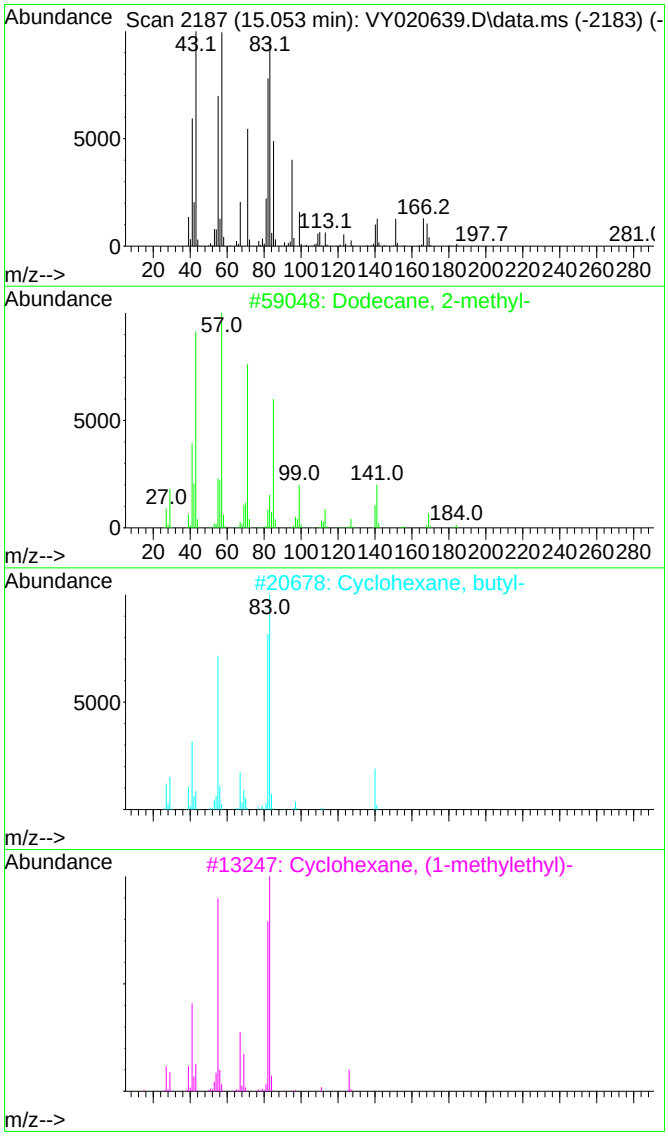
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

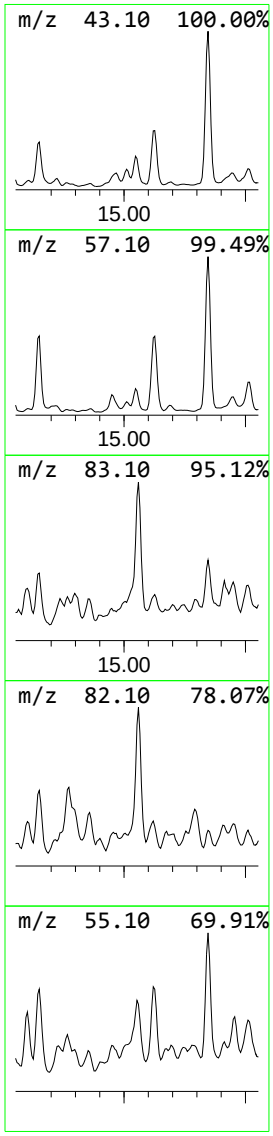
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Dodecane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.053	79.03 ug/l	2196830	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	64
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	43
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	35
4	1,1'-Bicyclohexyl	166	C12H22	000092-51-3	22
5	Undecane, 3-methyl-	170	C12H26	001002-43-3	18





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

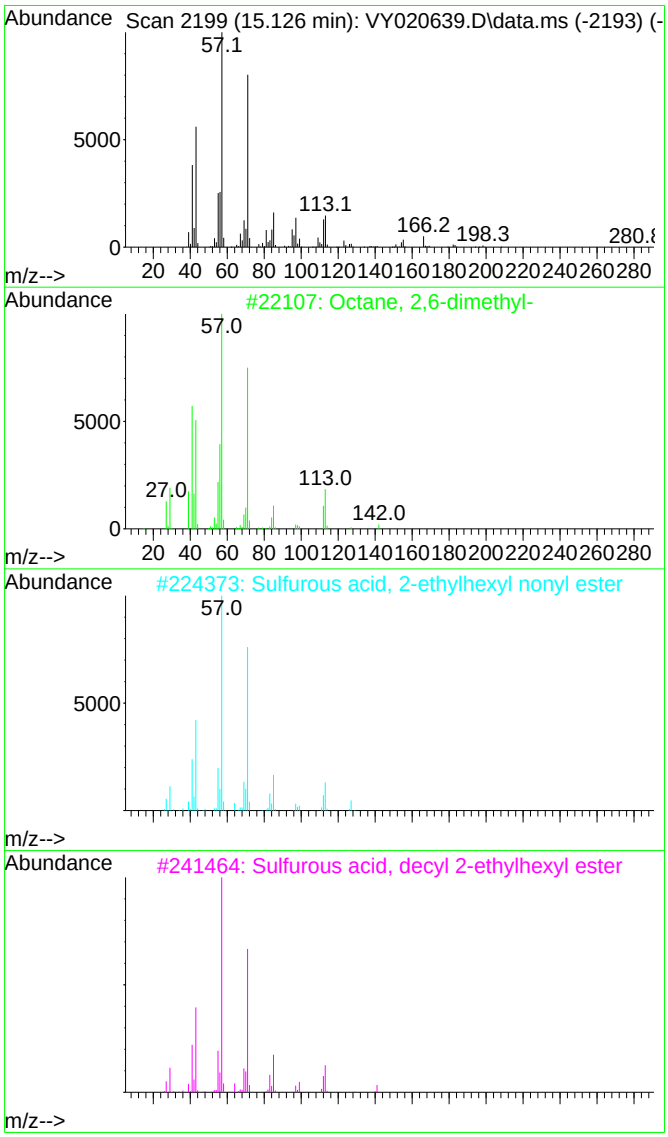
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

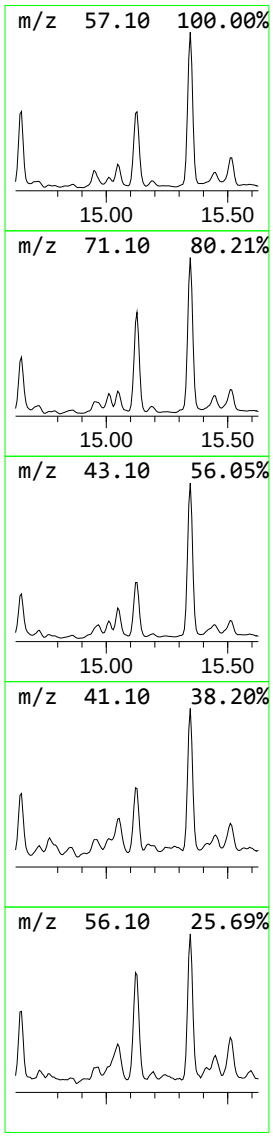
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Octane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.126	132.79 ug/l	3691240	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	81
2	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72
3	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	72
4	Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	64
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

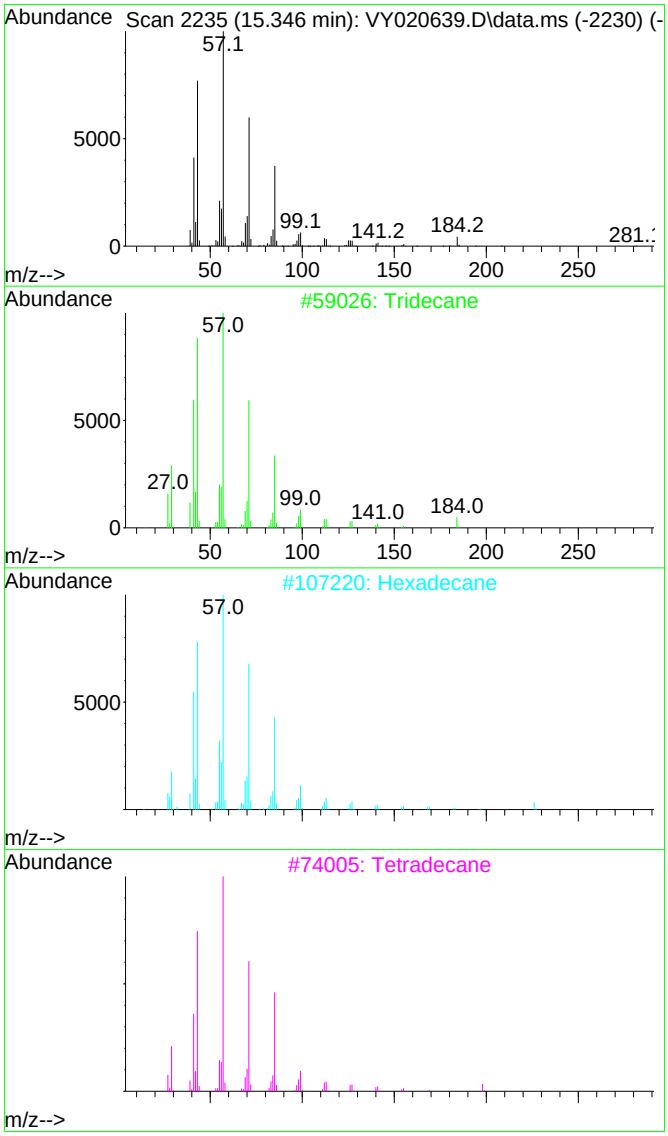
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

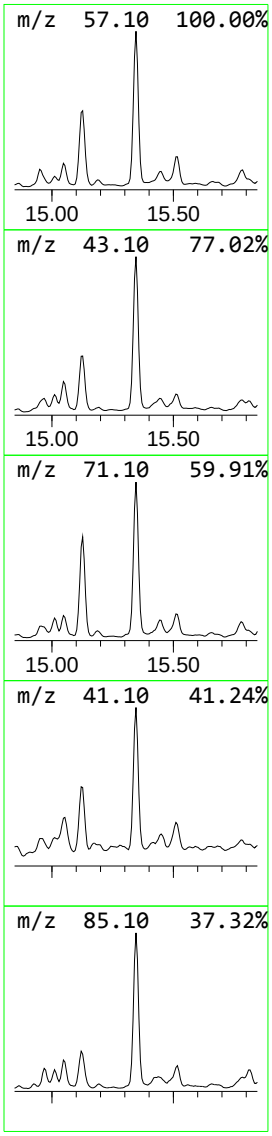
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Tridecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.346	216.67 ug/l	6023070	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tetradecane	198	C14H30	000629-59-4	80
4	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	80
5	Dodecane	170	C12H26	000112-40-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

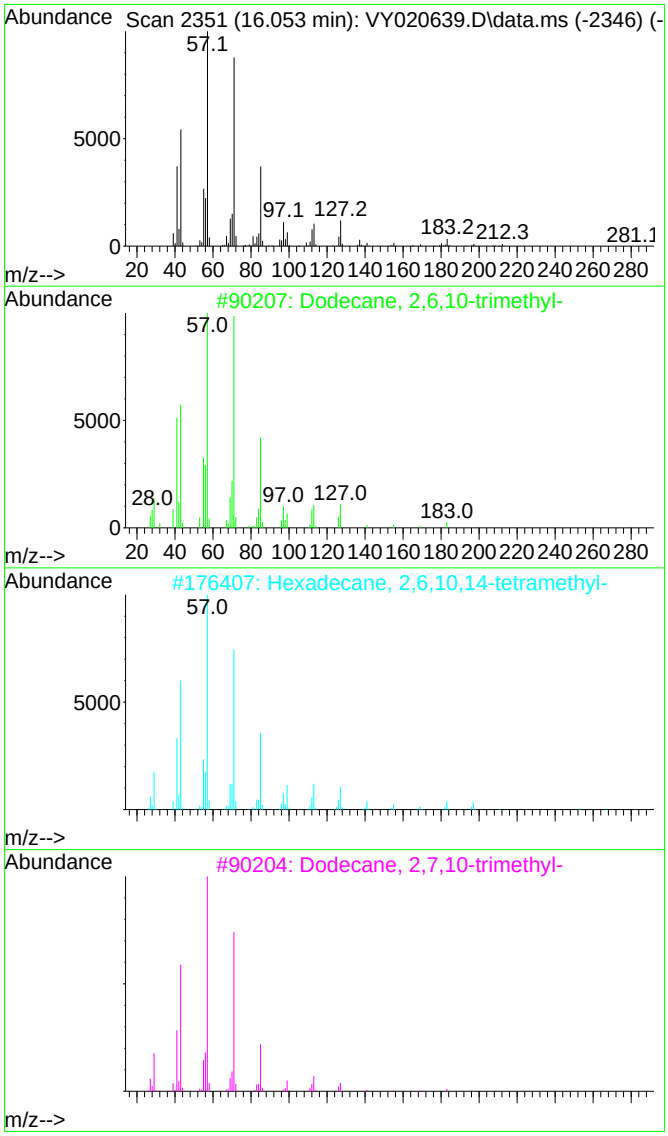
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

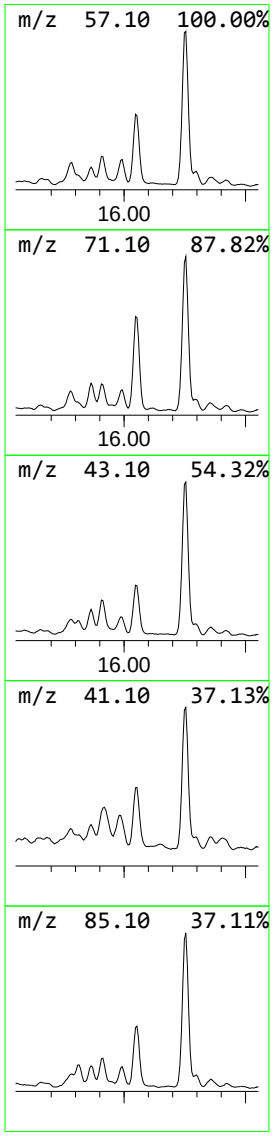
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Dodecane, 2,6,10-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.053	96.22 ug/l	2674810	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
4	Octane, 2-methyl-	128	C9H20	003221-61-2	81
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

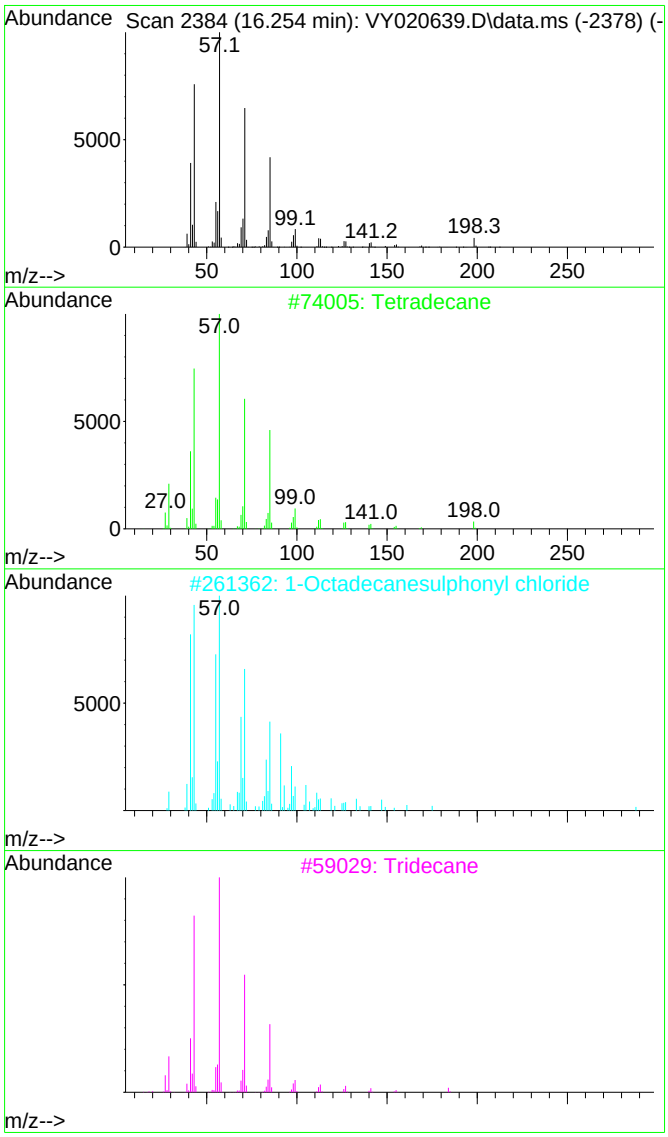
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

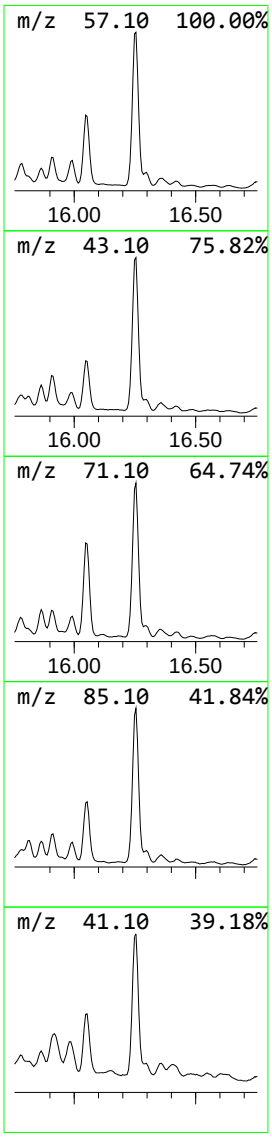
****

Peak Number 10 Tetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.254	196.10 ug/l	5451260	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	98
2	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Dodecane	170	C12H26	000112-40-3	90
5	Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020639.D
Acq On : 18 Dec 2024 16:27
Operator : SY/MD
Sample : P5299-02
Misc : 7.22g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.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
unknown1.812	1.812	82.7	ug/l	941421	1	7.707	569026	50.0
Undecane	13.676	151.0	ug/l	4197880	4	13.346	1389910	50.0
trans-Decalin, ...	14.175	136.8	ug/l	3801720	4	13.346	1389910	50.0
Dodecane	14.535	169.3	ug/l	4706490	4	13.346	1389910	50.0
Undecane, 2,6-d...	14.651	131.3	ug/l	3649460	4	13.346	1389910	50.0
Dodecane, 2-met...	15.053	79.0	ug/l	2196830	4	13.346	1389910	50.0
Octane, 2,6-dim...	15.126	132.8	ug/l	3691240	4	13.346	1389910	50.0
Tridecane	15.346	216.7	ug/l	6023070	4	13.346	1389910	50.0
Dodecane, 2,6,1...	16.053	96.2	ug/l	2674810	4	13.346	1389910	50.0
Tetradecane	16.254	196.1	ug/l	5451260	4	13.346	1389910	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Time: Dec 19 02:50:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

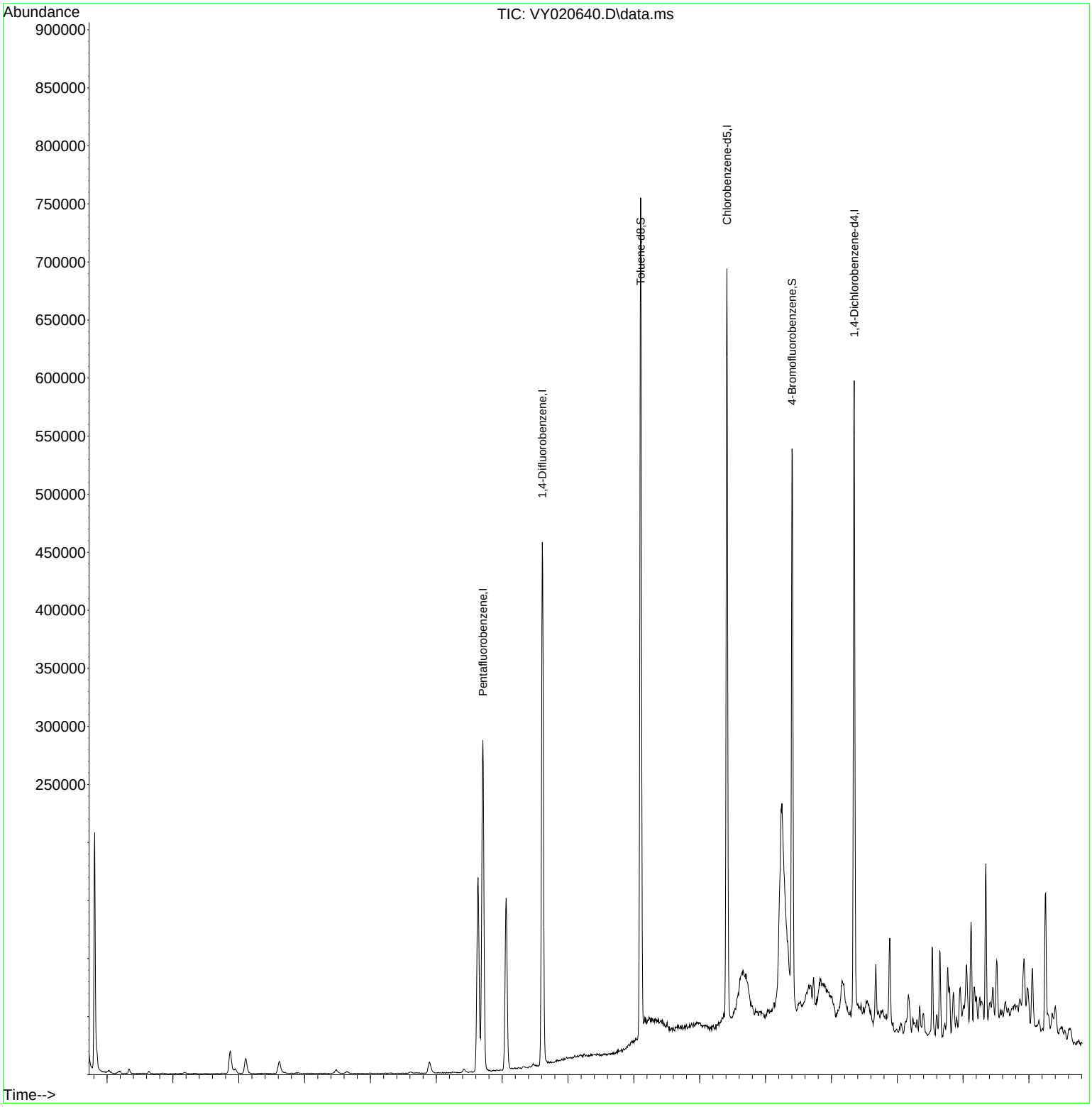
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	223514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	392391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	337704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119025	48.622	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.240%		
35) Dibromofluoromethane	7.634	113	120658	43.630	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.260%		
50) Toluene-d8	10.103	98	476055	49.181	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.360%		
62) 4-Bromofluorobenzene	12.401	95	151545	40.024	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	80.040%		
Target Compounds						Qvalue
16) Acetone	3.872	43	35108	67.492	ug/l	96
17) Carbon Disulfide	4.110	76	26537	2.910	ug/l	97
25) 2-Butanone	6.896	43	16117	17.716	ug/l	96

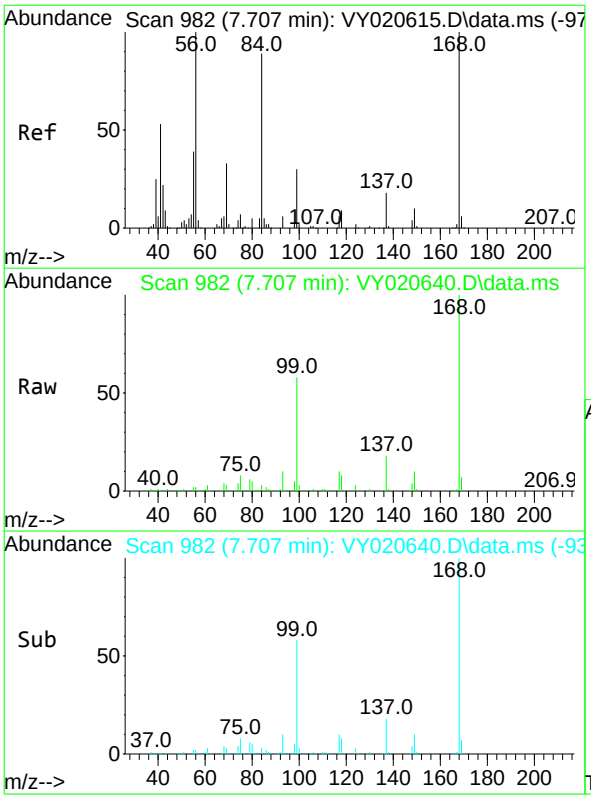
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Time: Dec 19 02:50:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



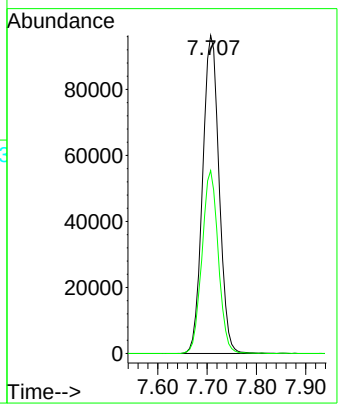


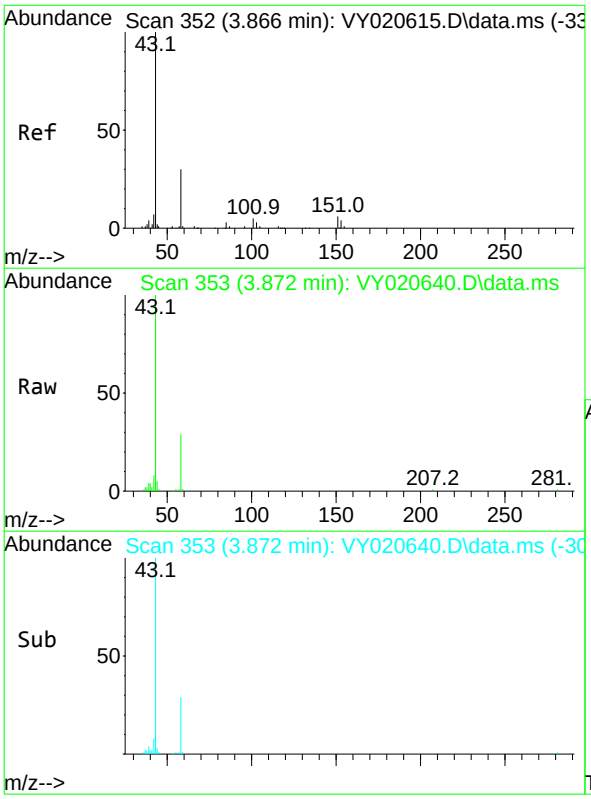
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020640.D
Acq: 18 Dec 2024 16:51

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Tgt Ion:168 Resp: 223514

Ion	Ratio	Lower	Upper
168	100		
99	57.5	47.0	70.6

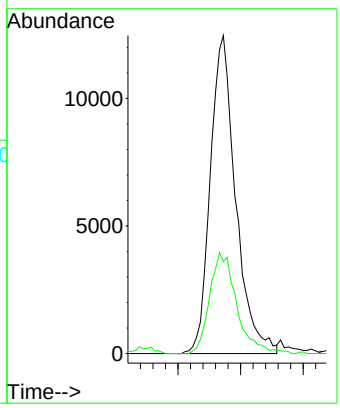


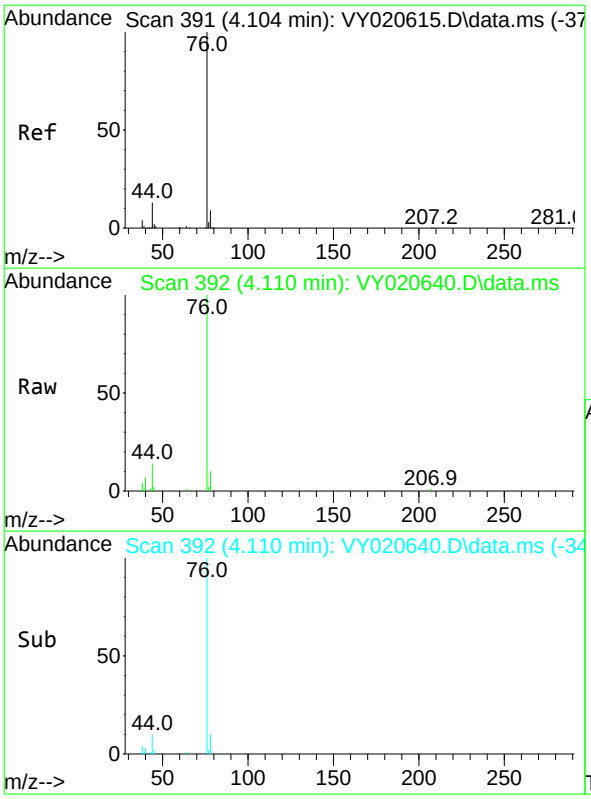


#16
Acetone
Concen: 67.492 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY020640.D
Acq: 18 Dec 2024 16:51

Tgt Ion: 43 Resp: 35108

Ion	Ratio	Lower	Upper
43	100		
58	28.9	25.0	37.6



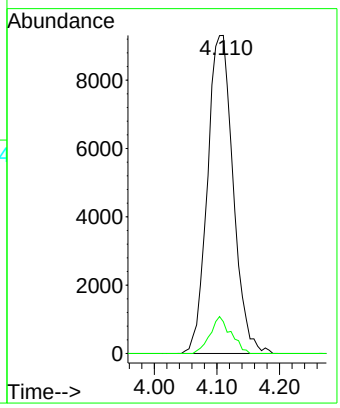


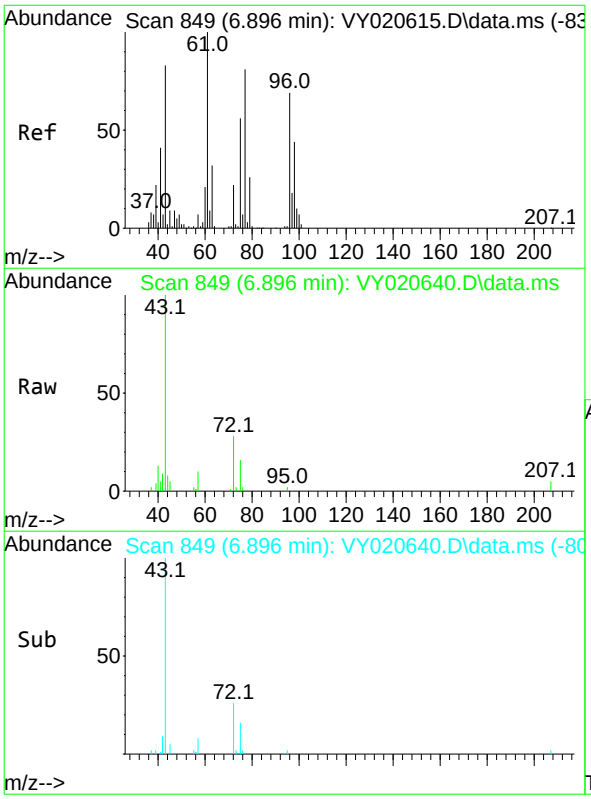
#17
Carbon Disulfide
Concen: 2.910 ug/l
RT: 4.110 min Scan# 39
Delta R.T. 0.006 min
Lab File: VY020640.D
Acq: 18 Dec 2024 16:51

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Tgt Ion: 76 Resp: 26537

Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.2	10.8

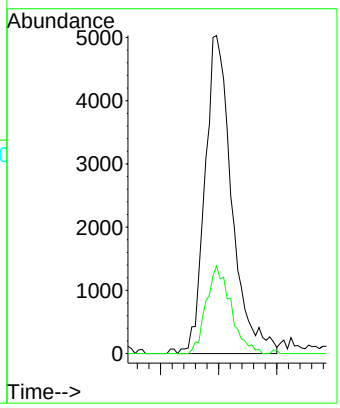


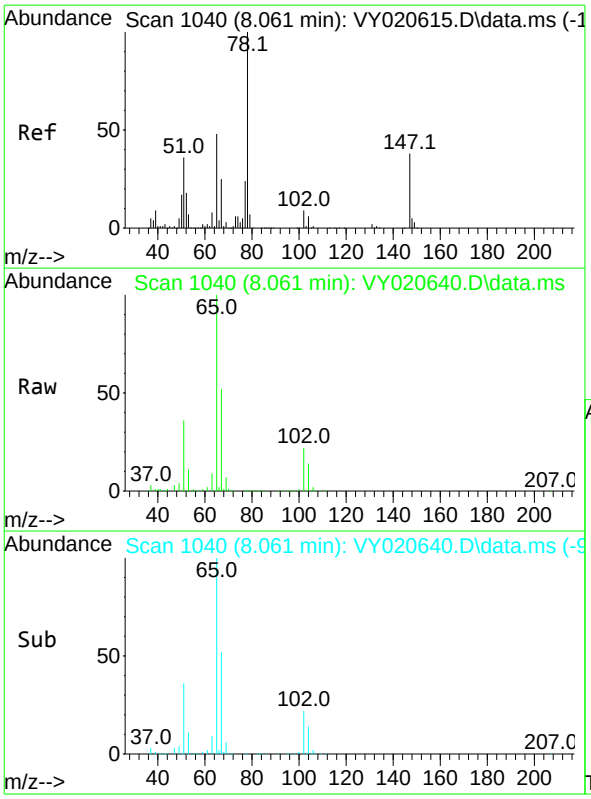


#25
2-Butanone
Concen: 17.716 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY020640.D
Acq: 18 Dec 2024 16:51

Tgt Ion: 43 Resp: 16117

Ion	Ratio	Lower	Upper
43	100		
72	27.6	20.6	31.0



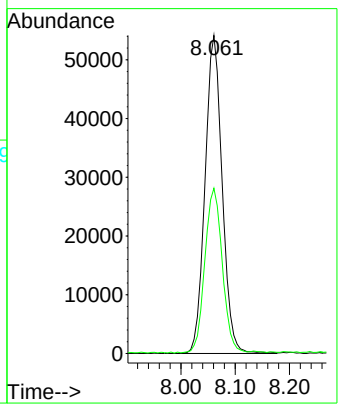


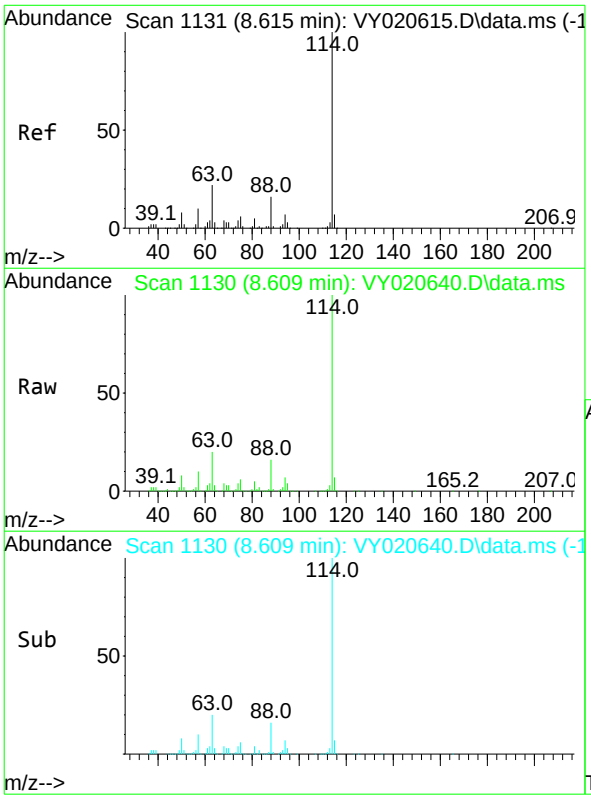
#33
1,2-Dichloroethane-d4
Concen: 48.622 ug/l
RT: 8.061 min Scan# 10
Delta R.T. 0.000 min
Lab File: VY020640.D
Acq: 18 Dec 2024 16:51

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Tgt Ion: 65 Resp: 119025

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	108.0

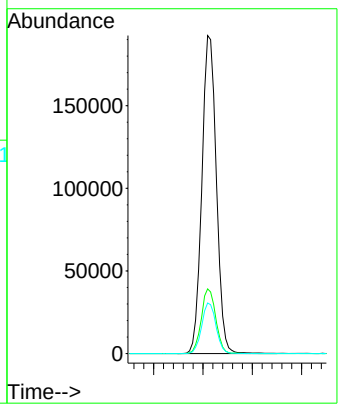


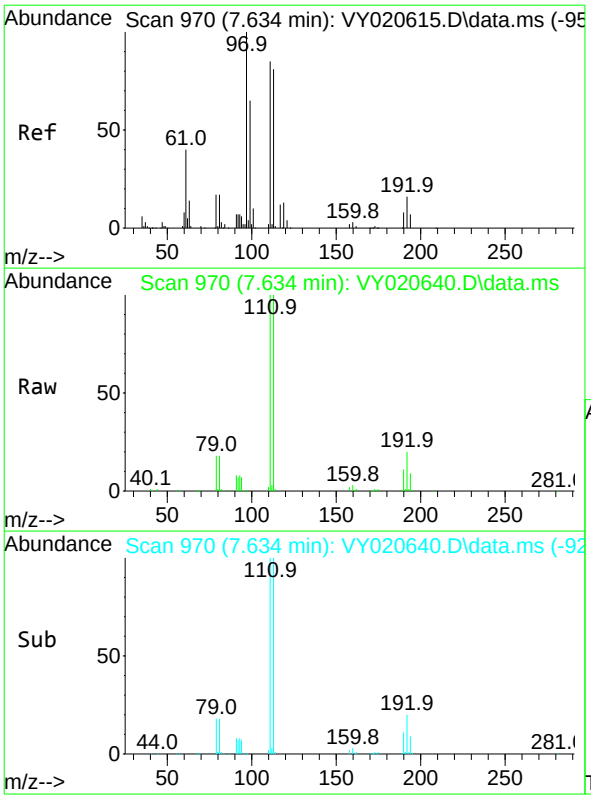


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY020640.D
Acq: 18 Dec 2024 16:51

Tgt Ion:114 Resp: 392391

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	44.0
88	15.9	0.0	32.8



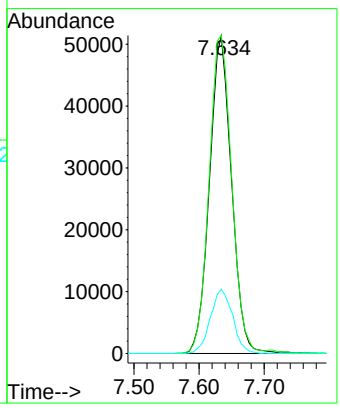


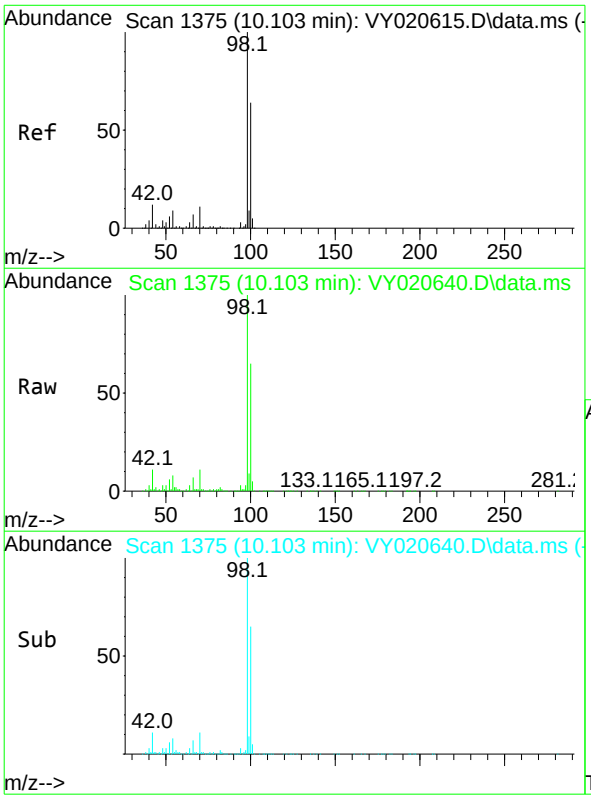
#35
Dibromofluoromethane
Concen: 43.630 ug/l
RT: 7.634 min Scan# 97
Delta R.T. 0.000 min
Lab File: VY020640.D
Acq: 18 Dec 2024 16:51

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Tgt Ion:113 Resp: 120658

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.9	124.3
192	20.5	15.7	23.5

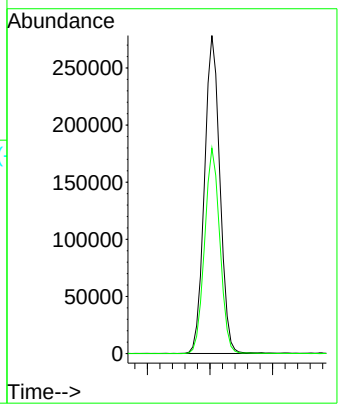


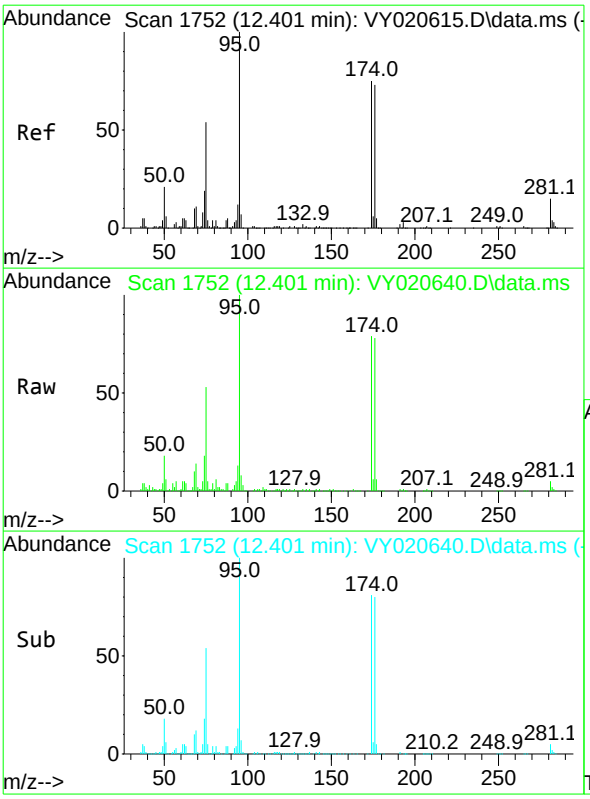


#50
Toluene-d8
Concen: 49.181 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020640.D
Acq: 18 Dec 2024 16:51

Tgt Ion: 98 Resp: 476055

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.1	78.1



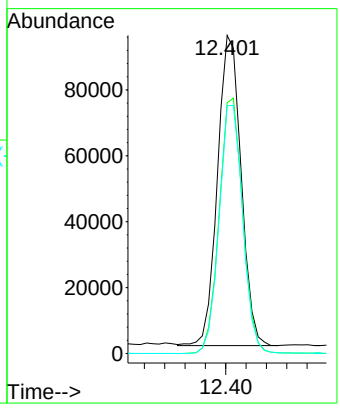


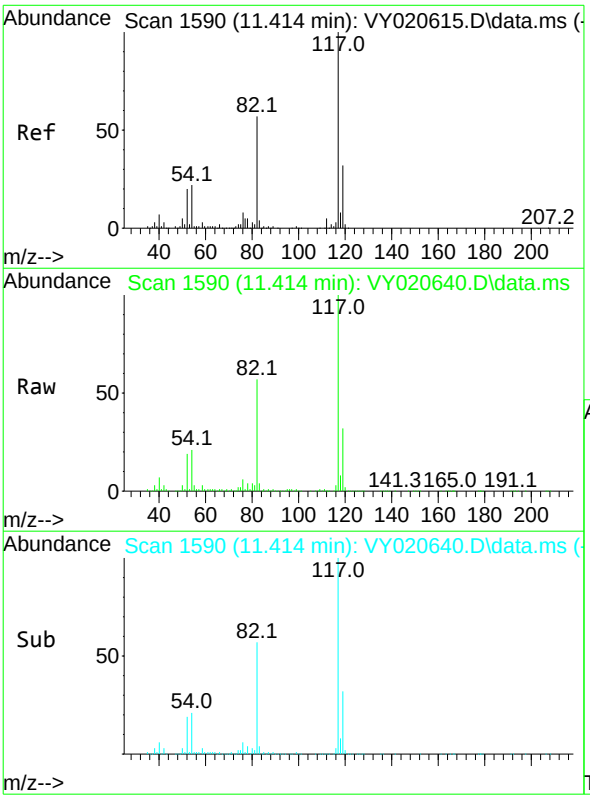
#62
4-Bromofluorobenzene
Concen: 40.024 ug/l
RT: 12.401 min Scan# 17
Delta R.T. 0.000 min
Lab File: VY020640.D
Acq: 18 Dec 2024 16:51

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Tgt Ion: 95 Resp: 151545

Ion	Ratio	Lower	Upper
95	100		
174	82.1	0.0	161.8
176	80.1	0.0	156.6

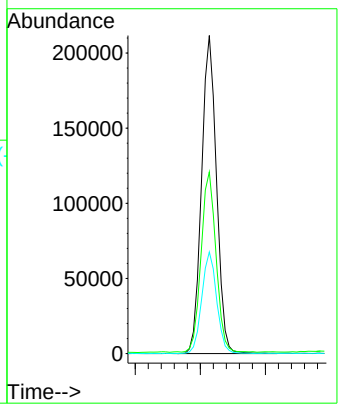


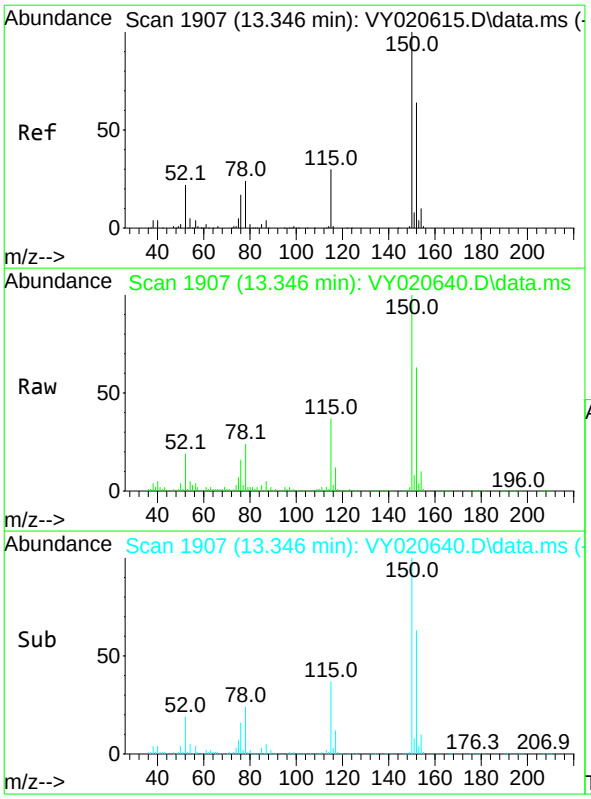


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY020640.D
Acq: 18 Dec 2024 16:51

Tgt Ion:117 Resp: 337704

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.8	68.6
119	31.9	25.3	37.9



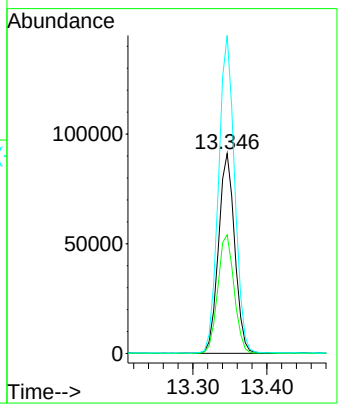


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY020640.D
Acq: 18 Dec 2024 16:51

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Tgt Ion:152 Resp: 138439

Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.2	90.6
150	158.0	0.0	355.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Title : SW846 8260

Signal : TIC: VY020640.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	10	15	33	rVB2	206063	317384	25.23%	3.343%
2	3.872	340	353	362	rBV2	19315	56615	4.50%	0.596%
3	4.104	381	391	405	rBV	12924	36387	2.89%	0.383%
4	4.616	465	475	487	rBV3	10526	34159	2.72%	0.360%
5	6.896	840	849	862	rBV2	9718	30541	2.43%	0.322%
6	7.634	961	970	976	rBV	167295	406450	32.32%	4.282%
7	7.707	976	982	997	rVB	285084	654529	52.04%	6.895%
8	8.061	1031	1040	1051	rBV	148407	335156	26.65%	3.531%
9	8.609	1123	1130	1143	rBV	450495	910242	72.37%	9.589%
10	10.103	1368	1375	1382	rBV	723615	1257732	100.00%	13.249%
11	11.414	1584	1590	1600	rVB	645467	1036391	82.40%	10.918%
12	12.249	1715	1727	1740	rBV2	159714	812599	64.61%	8.560%
13	12.401	1747	1752	1763	rVB2	484079	838079	66.63%	8.829%
14	13.346	1901	1907	1915	rBV	542633	851326	67.69%	8.968%
15	13.676	1957	1961	1965	rBV	45194	61063	4.86%	0.643%
16	13.889	1991	1996	2002	rVB	74994	125622	9.99%	1.323%
17	14.169	2039	2042	2050	rVB8	31675	71319	5.67%	0.751%
18	14.236	2050	2053	2055	rBV3	12247	15959	1.27%	0.168%
19	14.340	2067	2070	2075	rBV3	20812	31954	2.54%	0.337%
20	14.395	2076	2079	2086	rVB6	17003	32058	2.55%	0.338%
21	14.529	2097	2101	2109	rVB2	76056	112534	8.95%	1.185%
22	14.602	2109	2113	2116	rBV4	17562	29415	2.34%	0.310%
23	14.645	2116	2120	2126	rVB2	74489	120424	9.57%	1.269%
24	14.724	2128	2133	2135	rBV6	10998	19677	1.56%	0.207%
25	14.767	2135	2140	2143	rBV3	53238	91274	7.26%	0.962%
26	14.852	2148	2154	2159	rBV5	34884	69628	5.54%	0.733%
27	14.956	2166	2171	2175	rBV5	33518	67801	5.39%	0.714%
28	15.053	2182	2187	2193	rVB8	48521	100899	8.02%	1.063%
29	15.120	2193	2198	2203	rBV2	85609	135659	10.79%	1.429%
30	15.169	2203	2206	2209	rBV3	29169	45563	3.62%	0.480%
31	15.255	2216	2220	2222	rBV4	17660	27666	2.20%	0.291%
32	15.346	2230	2235	2240	rBV	134404	186768	14.85%	1.967%
33	15.450	2250	2252	2257	rVB4	23343	31988	2.54%	0.337%
34	15.511	2257	2262	2268	rVB3	48782	89461	7.11%	0.942%
35	15.925	2324	2330	2335	rBV4	41361	91126	7.25%	0.960%
36	15.974	2336	2338	2346	rVB5	30478	63177	5.02%	0.666%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Title : SW846 8260

37	16.053	2346	2351	2357	rVB4	49645	88765	7.06%	0.935%
38	16.254	2378	2384	2388	rBV	118156	205341	16.33%	2.163%

Sum of corrected areas: 9492731

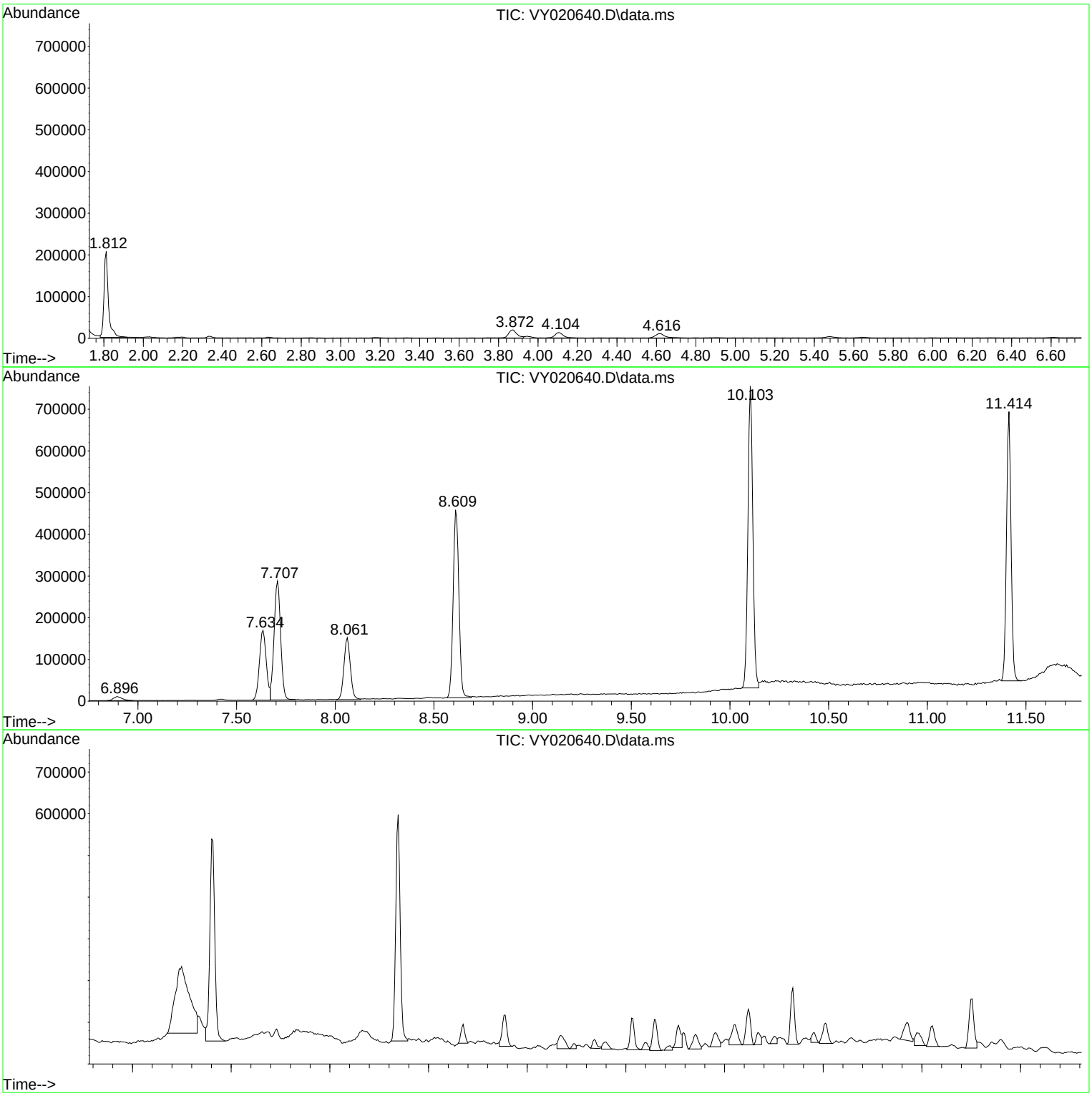
Sample Results: **VY020640.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

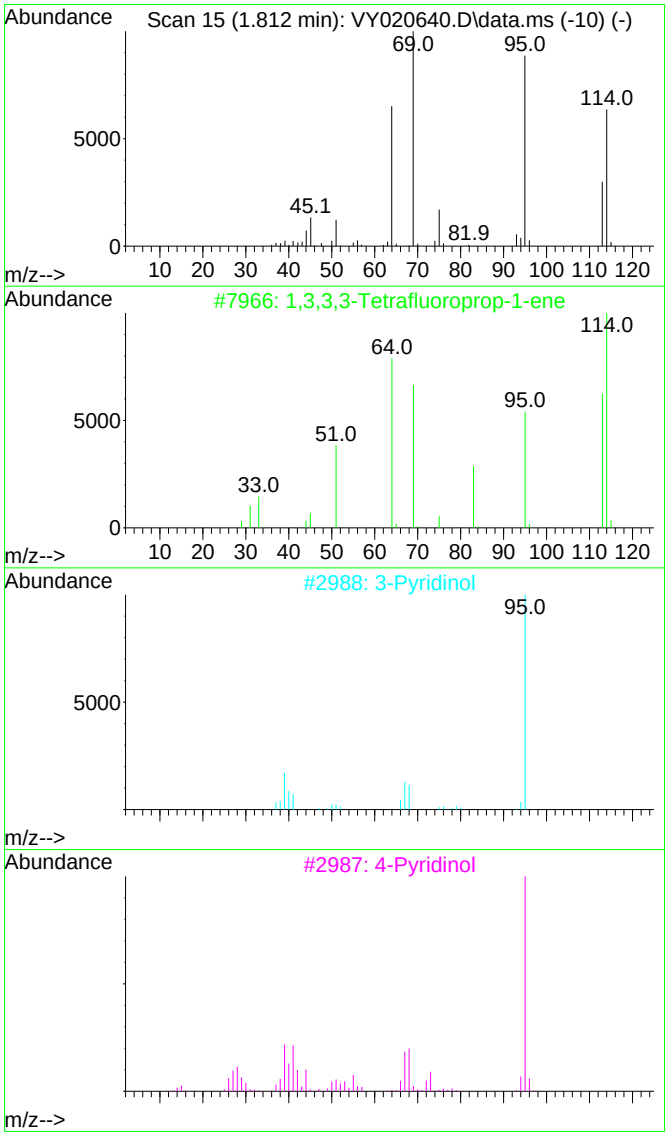
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

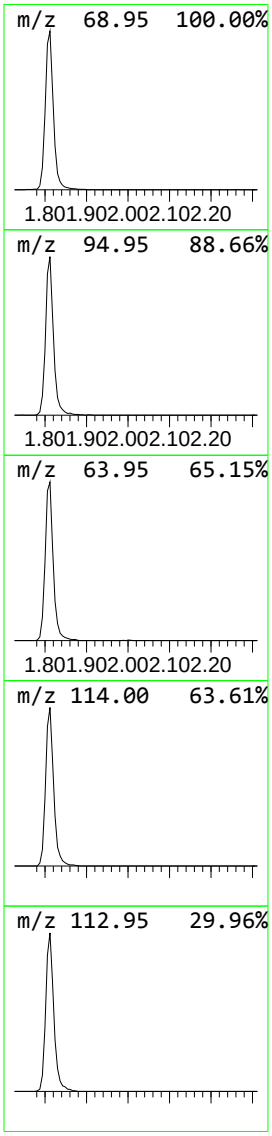
****

Peak Number 1 unknown1.812 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.812	24.25 ug/l	317384	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,3,3-Tetrafluoroprop-1-ene	114	C3H2F4	1000389-53-0	28
2	3-Pyridinol	95	C5H5NO	000109-00-2	9
3	4-Pyridinol	95	C5H5NO	000626-64-2	9
4	Butenamide, N,N-dimethyl-	113	C6H11NO	023135-18-4	9
5	Ethyl diazoacetate	114	C4H6N2O2	000623-73-4	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

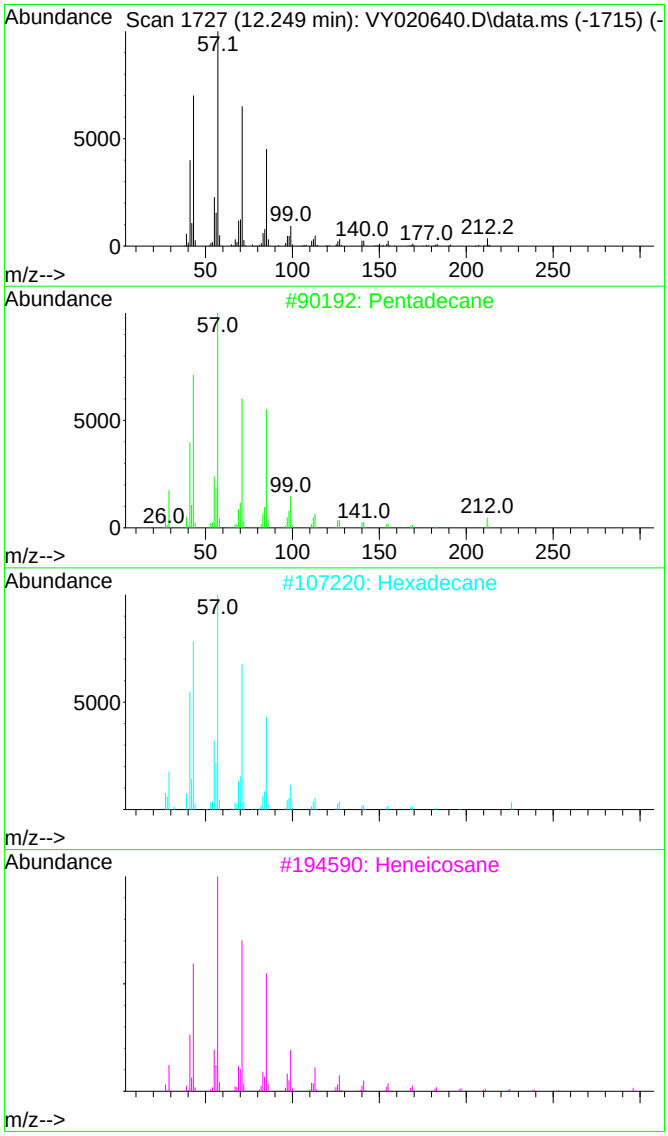
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

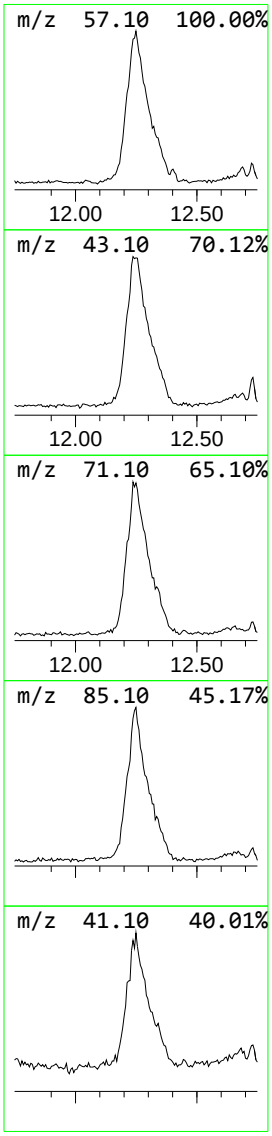
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Pentadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	39.20 ug/l	812599	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	96
2	Hexadecane	226	C16H34	000544-76-3	91
3	Heneicosane	296	C21H44	000629-94-7	90
4	Nonadecane	268	C19H40	000629-92-5	87
5	Tetradecane	198	C14H30	000629-59-4	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

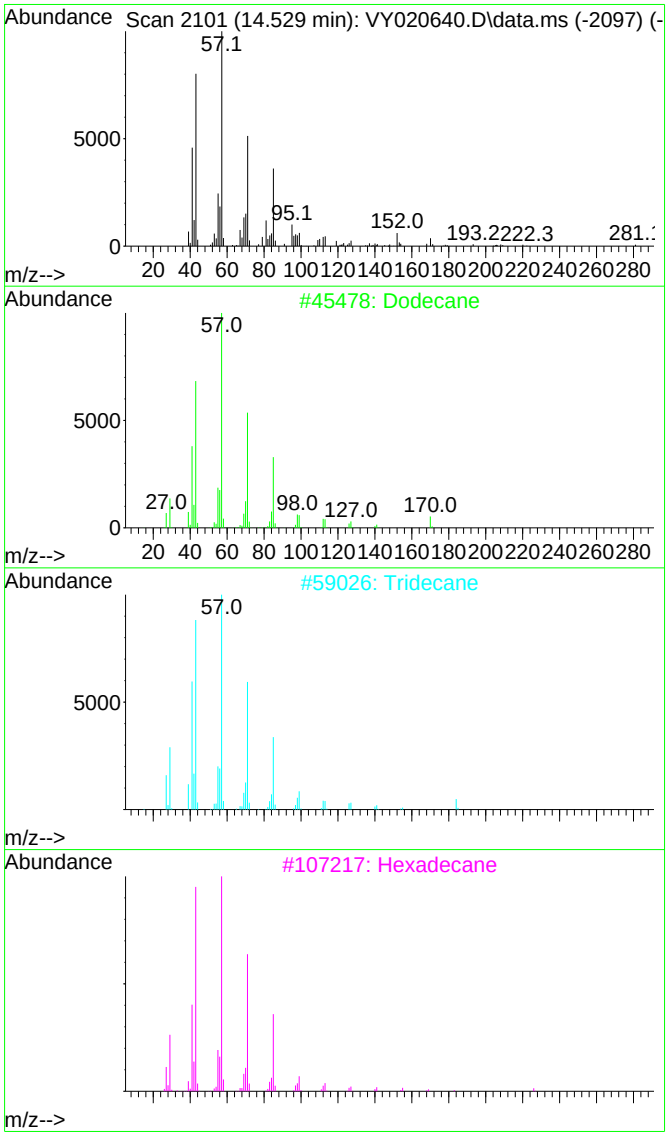
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

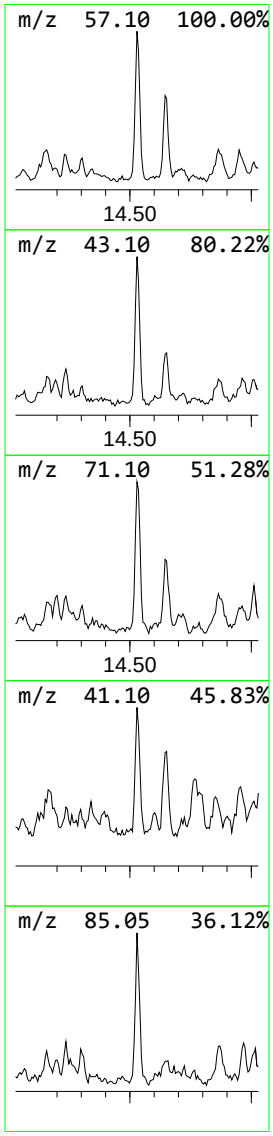
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Dodecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.529	6.61 ug/l	112534	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	93
2	Tridecane	184	C13H28	000629-50-5	72
3	Hexadecane	226	C16H34	000544-76-3	72
4	Tetradecane	198	C14H30	000629-59-4	72
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

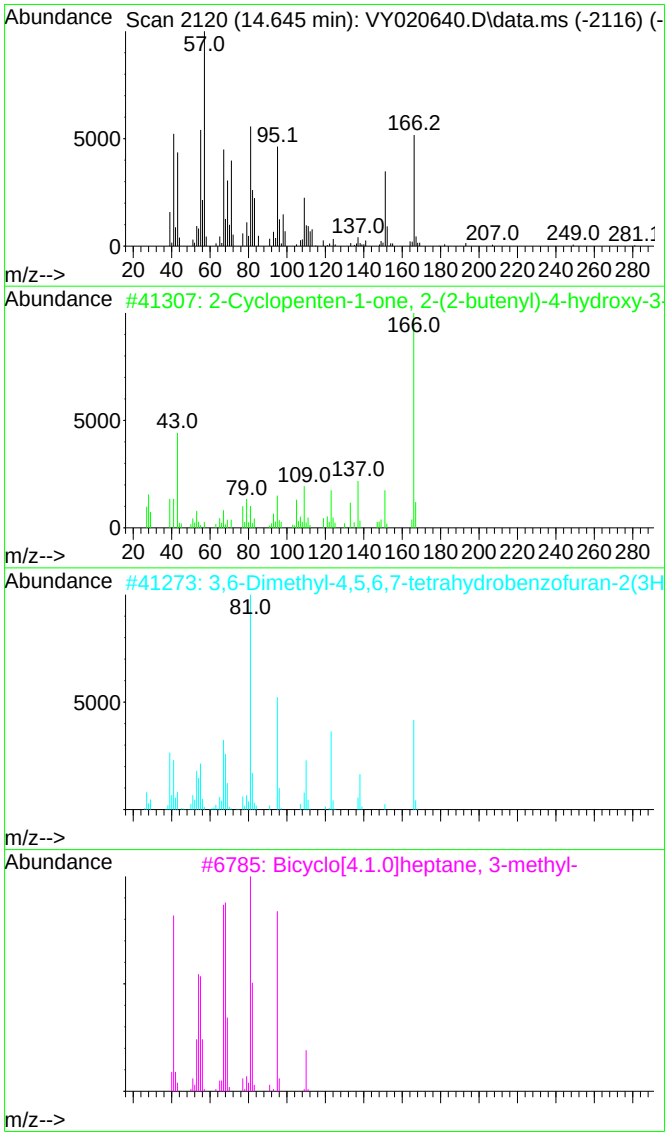
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

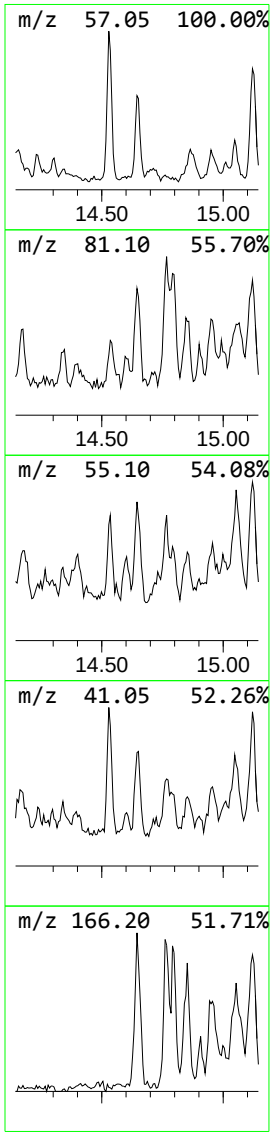
****

Peak Number 5 unknown14.645 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	7.07 ug/l	120424	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2-(2-buteny...	166	C10H14O2	017190-74-8	38
2	3,6-Dimethyl-4,5,6,7-tetrahydrob...	166	C10H14O2	016642-41-4	27
3	Bicyclo[4.1.0]heptane, 3-methyl-	110	C8H14	041977-47-3	25
4	2-(1-Hydroxycyclohexyl)-furan	166	C10H14O2	036169-67-2	22
5	8-Hexadecyne	222	C16H30	019781-86-3	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

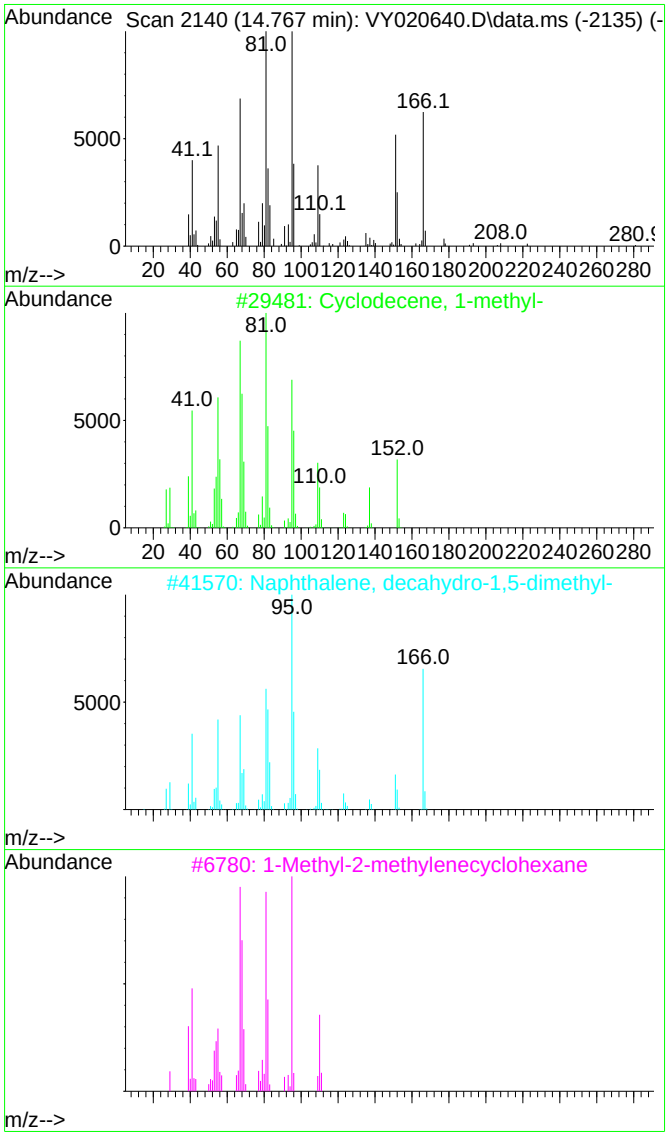
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

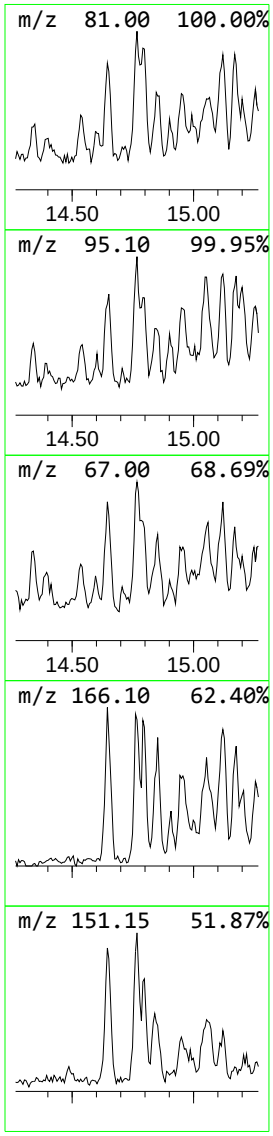
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclodecene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.767	5.36 ug/l	91274	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	58
2	Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	58
3	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	55
4	Cyclohexene,3-hexyl-	166	C12H22	015232-78-7	55
5	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

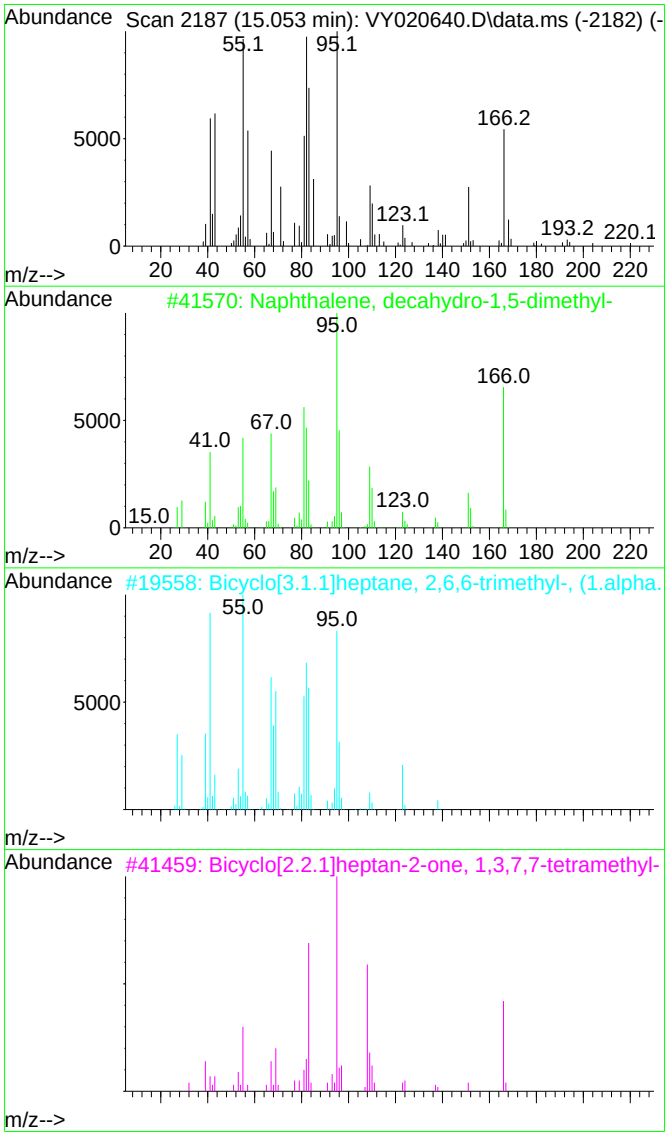
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

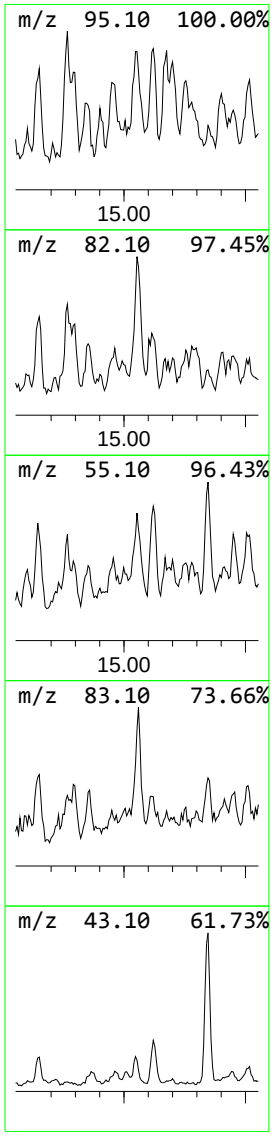
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, decahydro-1,5-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.053	5.93 ug/l	100899	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	53
2	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	006876-13-7	47
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	166	C11H18O	005811-48-3	43
4	Vinylcyclohexyl ether	126	C8H14O	002182-55-0	35
5	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

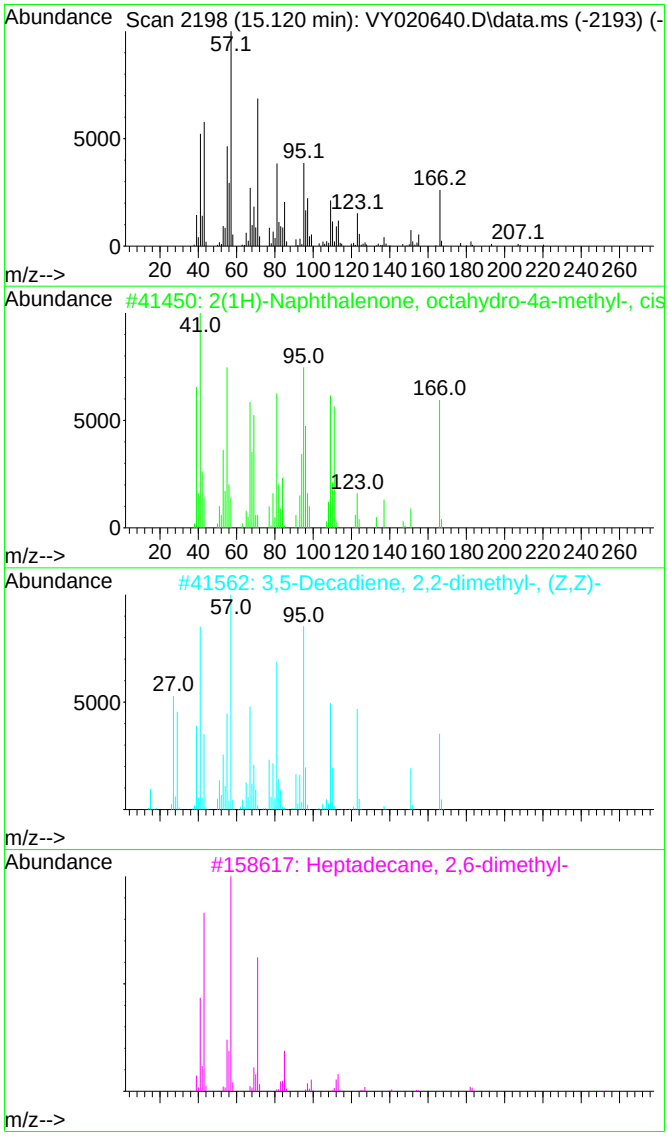
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

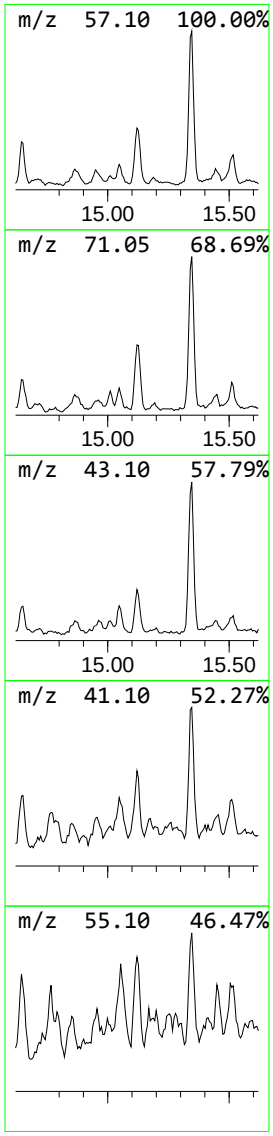
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 unknown15.120 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.120	7.97 ug/l	135659	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, octahydro-4...	166	C11H18O	000938-06-7	38
2	3,5-Decadiene, 2,2-dimethyl-, (Z...	166	C12H22	055638-50-1	35
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	27
4	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	27
5	Cyclohexanone, 2,2-dimethyl-5-(3...	182	C11H18O2	141033-65-0	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

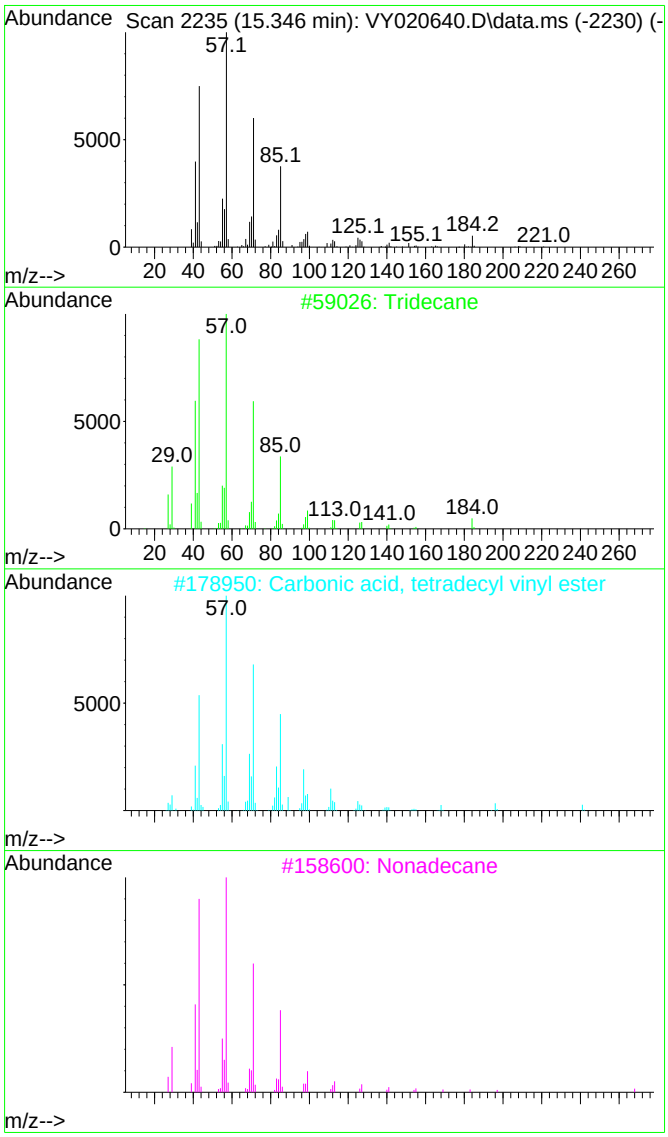
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

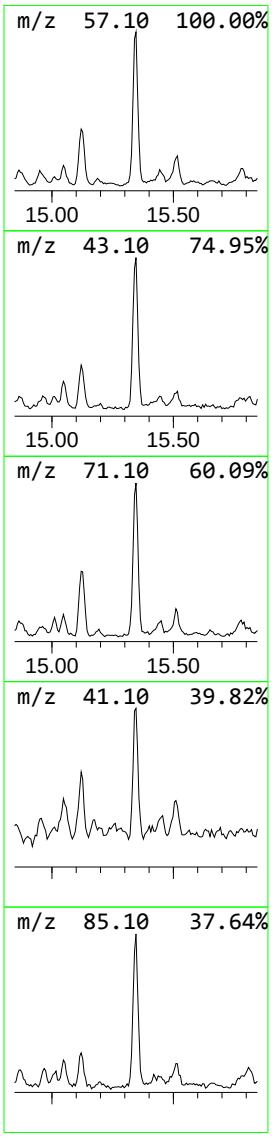
****

Peak Number 9 Tridecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.346	10.97 ug/l	186768	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	80
3	Nonadecane	268	C19H40	000629-92-5	80
4	Pentadecane	212	C15H32	000629-62-9	80
5	Hexadecane	226	C16H34	000544-76-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

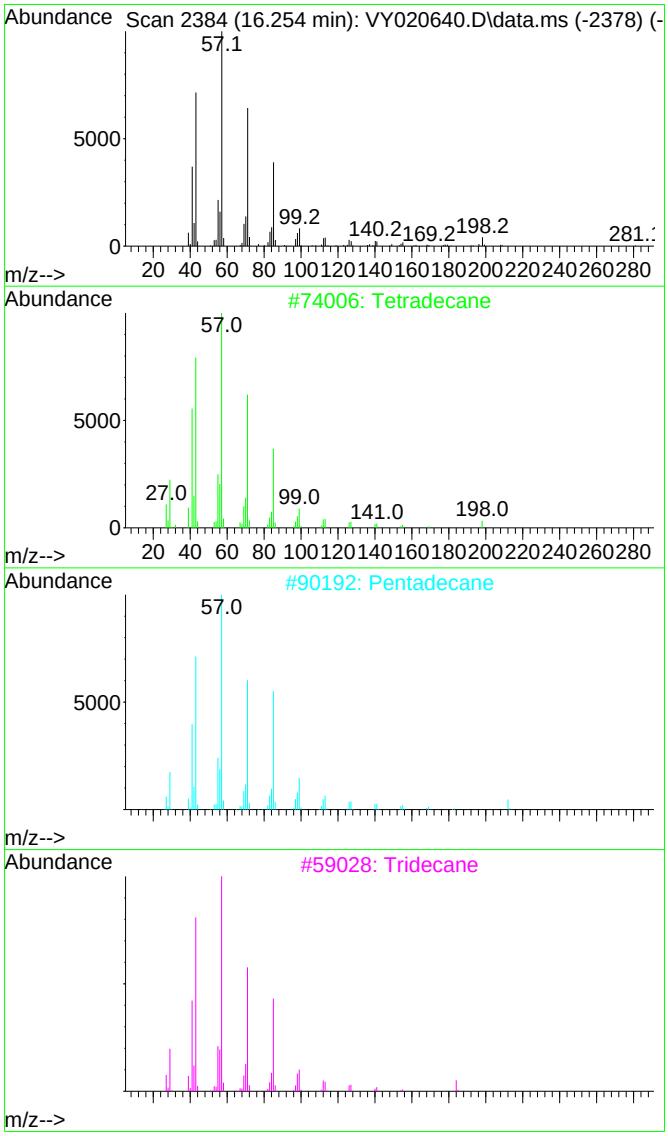
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

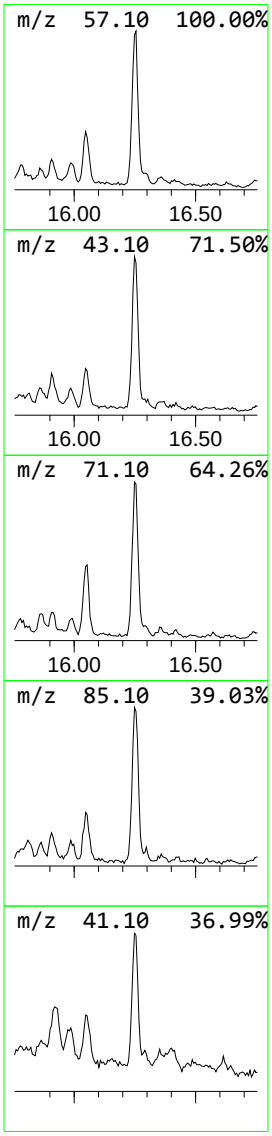
****

Peak Number 10 Tetradecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.254	12.06 ug/l	205341	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	98
2	Pentadecane	212	C15H32	000629-62-9	86
3	Tridecane	184	C13H28	000629-50-5	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020640.D
Acq On : 18 Dec 2024 16:51
Operator : SY/MD
Sample : P5299-03
Misc : 5.73g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.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
unknown1.812	1.812	24.3	ug/l	317384	1	7.707	654529	50.0
Pentadecane	12.249	39.2	ug/l	812599	3	11.414	1036390	50.0
Dodecane	14.529	6.6	ug/l	112534	4	13.346	851326	50.0
unknown14.645	14.645	7.1	ug/l	120424	4	13.346	851326	50.0
Cyclodecene, 1-...	14.767	5.4	ug/l	91274	4	13.346	851326	50.0
Naphthalene, de...	15.053	5.9	ug/l	100899	4	13.346	851326	50.0
unknown15.120	15.120	8.0	ug/l	135659	4	13.346	851326	50.0
Tridecane	15.346	11.0	ug/l	186768	4	13.346	851326	50.0
Tetradecane	16.254	12.1	ug/l	205341	4	13.346	851326	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Quant Time: Dec 19 02:48:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

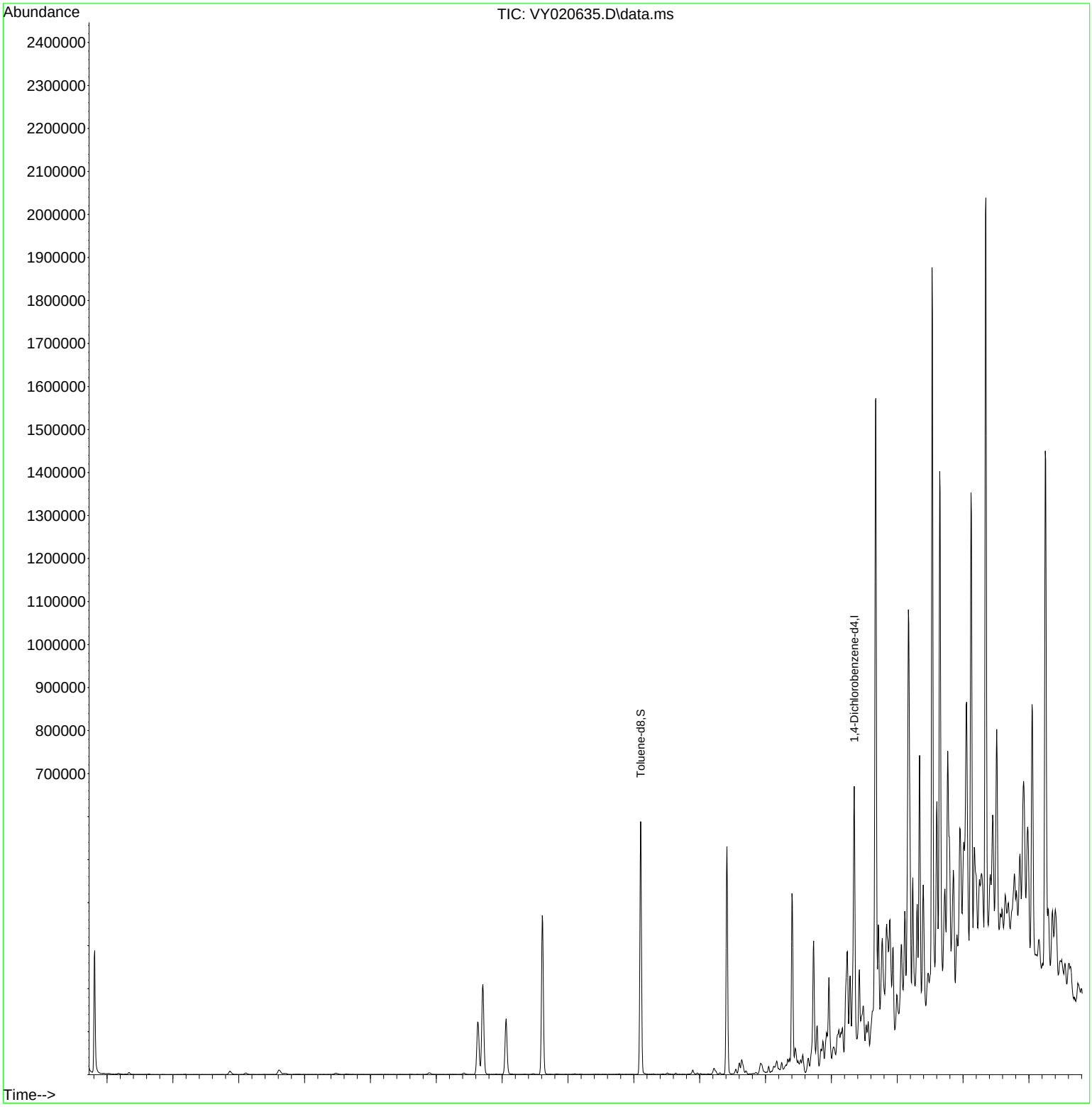
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	157761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	310451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	269674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	117196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101134	58.533	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.060%			
35) Dibromofluoromethane	7.634	113	88259	40.338	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 80.680%			
50) Toluene-d8	10.103	98	372749	48.673	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.340%			
62) 4-Bromofluorobenzene	12.402	95	122857	41.011	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 82.020%			
Target Compounds						Qvalue
16) Acetone	3.867	43	13742	34.486	ug/l	96
25) 2-Butanone	6.896	43	5232	8.148	ug/l	96

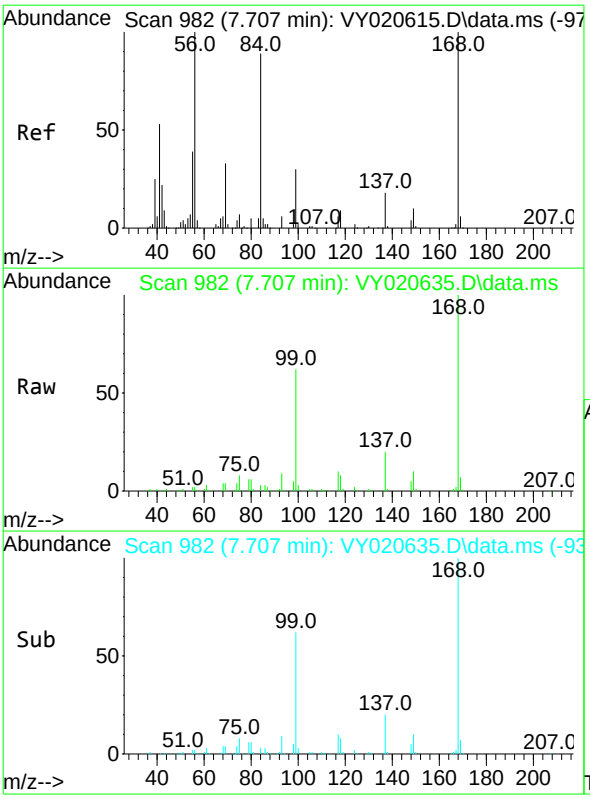
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Quant Time: Dec 19 02:48:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



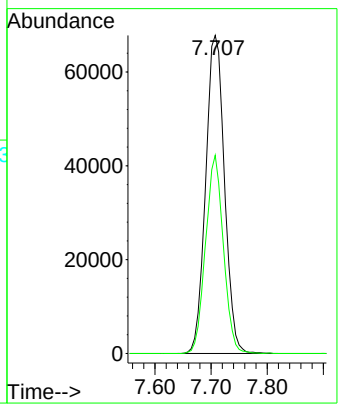


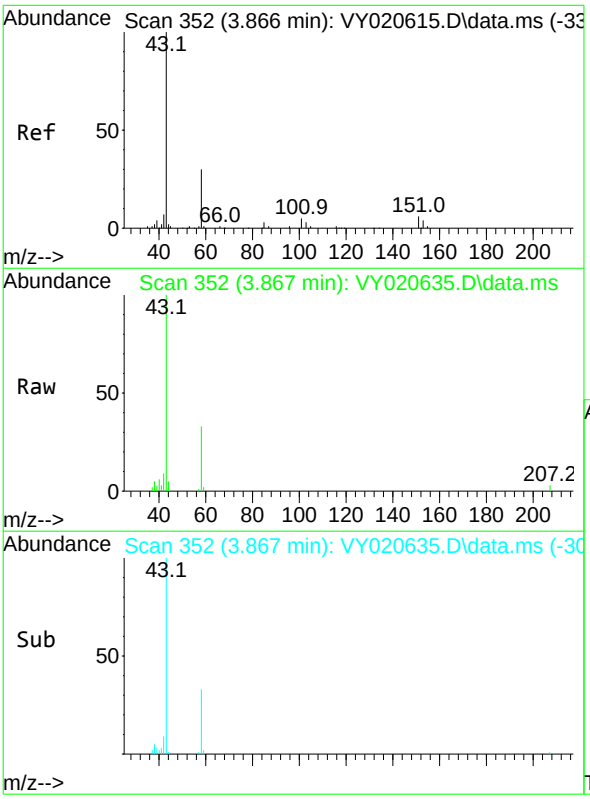
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020635.D
Acq: 18 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Tgt Ion:168 Resp: 157761

Ion	Ratio	Lower	Upper
168	100		
99	62.3	47.0	70.6

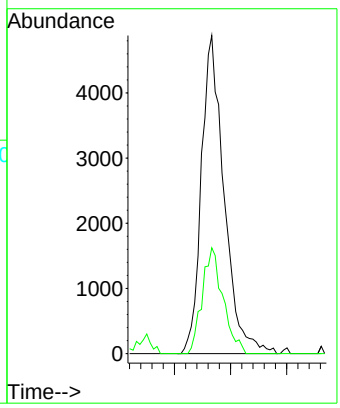


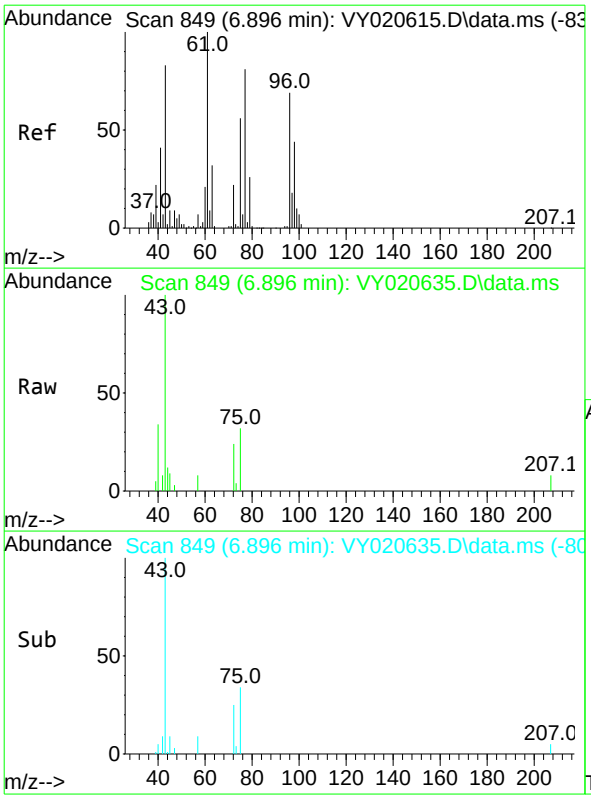


#16
Acetone
Concen: 34.486 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.001 min
Lab File: VY020635.D
Acq: 18 Dec 2024 14:54

Tgt Ion: 43 Resp: 13742

Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.0	37.6



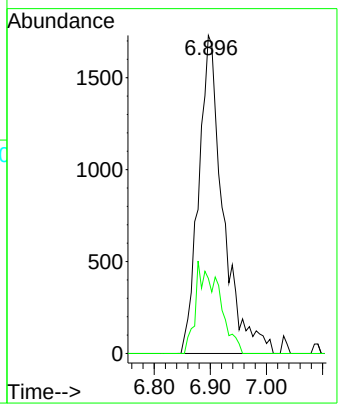


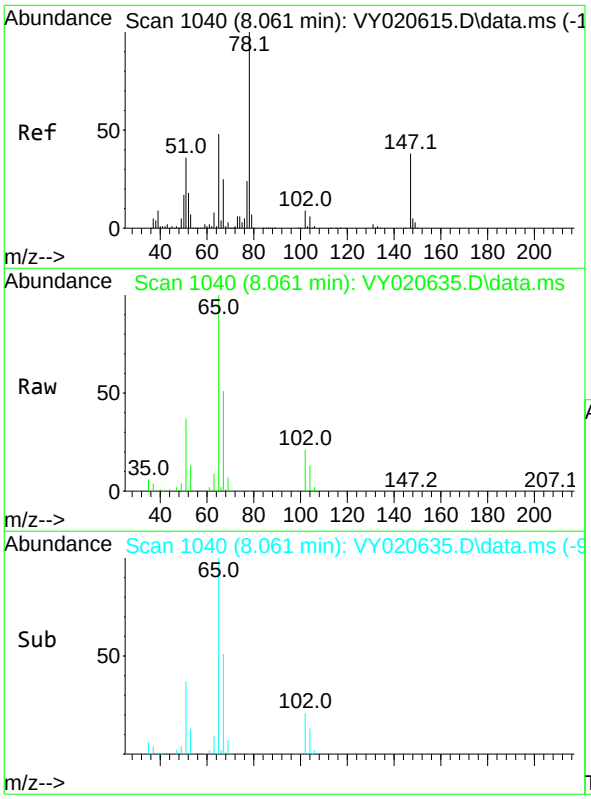
#25
2-Butanone
Concen: 8.148 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.000 min
Lab File: VY020635.D
Acq: 18 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Tgt Ion: 43 Resp: 5232

Ion	Ratio	Lower	Upper
43	100		
72	23.6	20.6	31.0

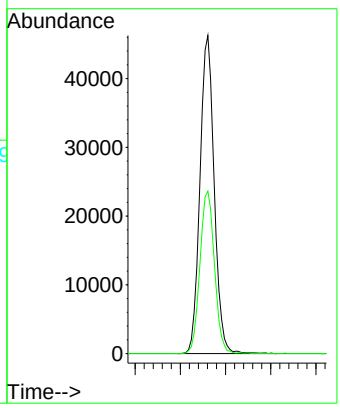


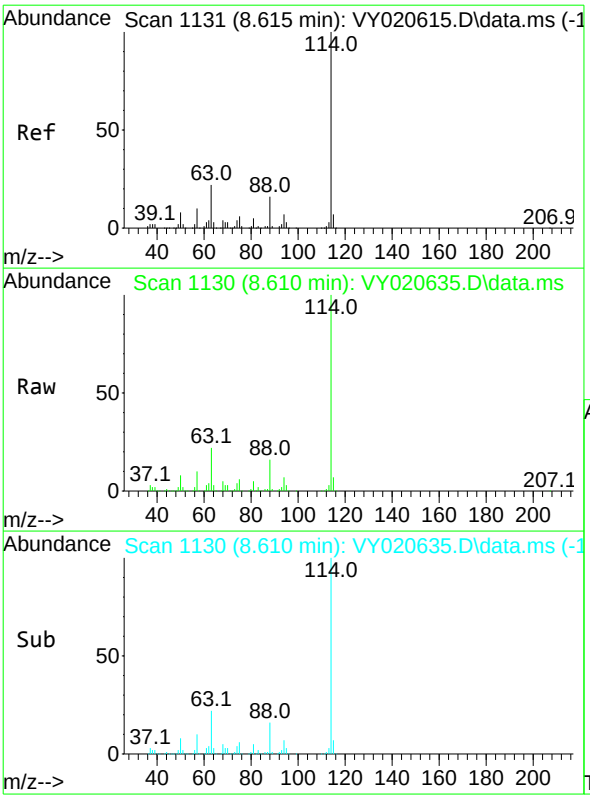


#33
1,2-Dichloroethane-d4
Concen: 58.533 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020635.D
Acq: 18 Dec 2024 14:54

Tgt Ion: 65 Resp: 101134

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	108.0



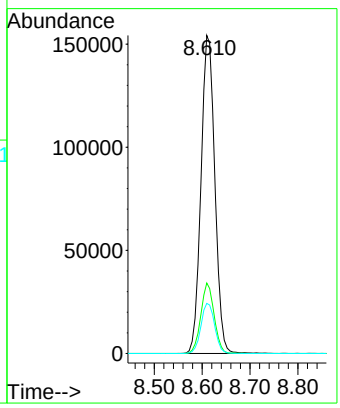


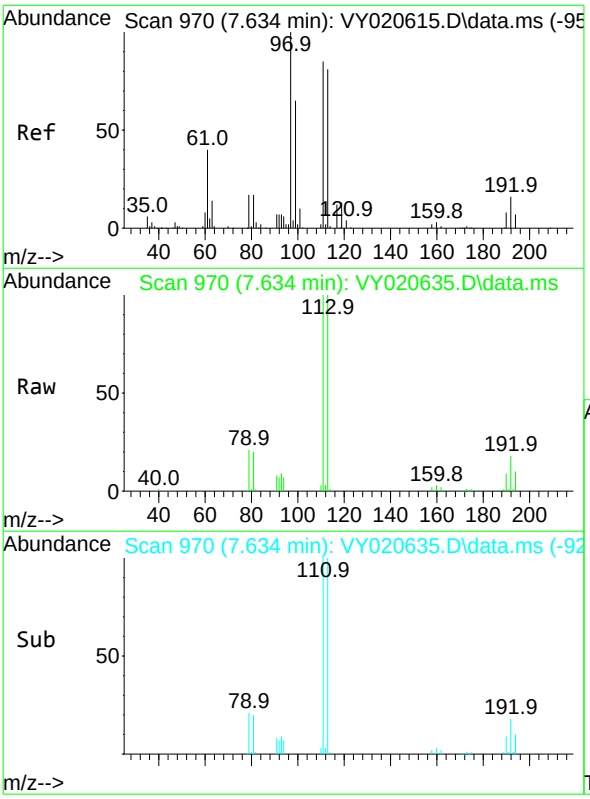
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020635.D
Acq: 18 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Tgt Ion:114 Resp: 310451

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.0
88	15.7	0.0	32.8

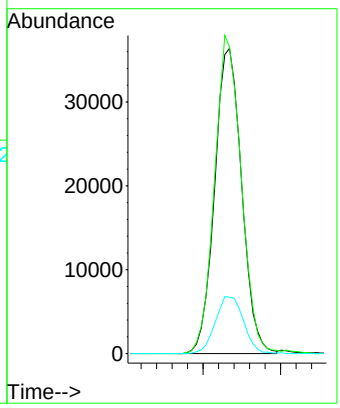


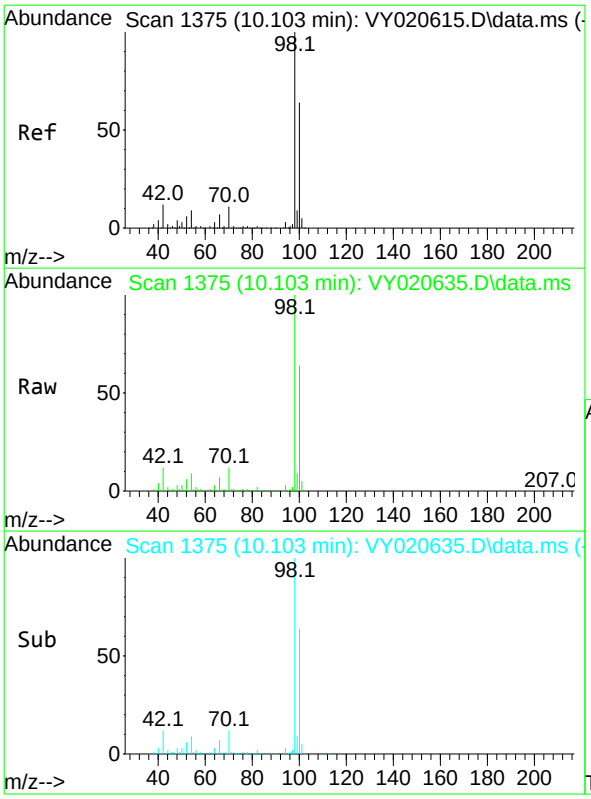


#35
Dibromofluoromethane
Concen: 40.338 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020635.D
Acq: 18 Dec 2024 14:54

Tgt Ion:113 Resp: 88259

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	19.5	15.7	23.5



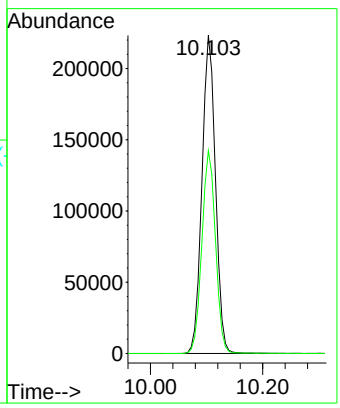


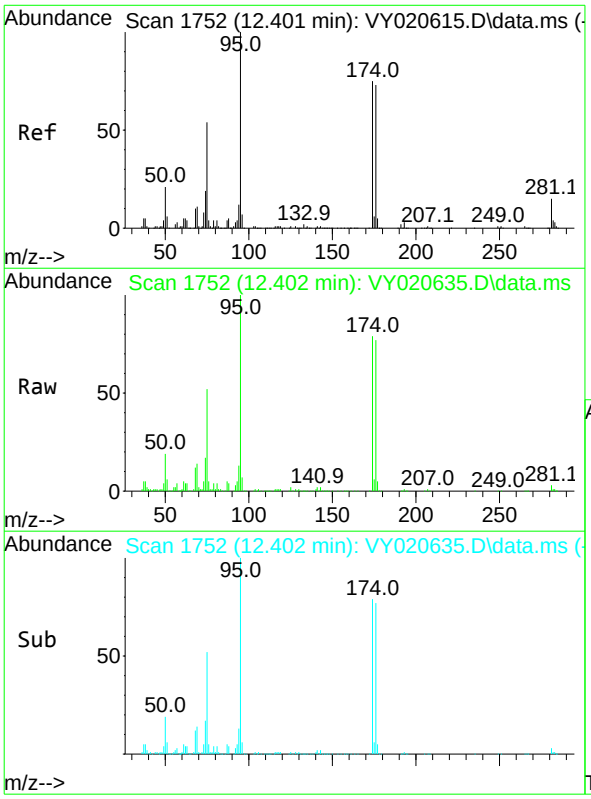
#50
Toluene-d8
Concen: 48.673 ug/l
RT: 10.103 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY020635.D
Acq: 18 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Tgt Ion: 98 Resp: 372749

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1

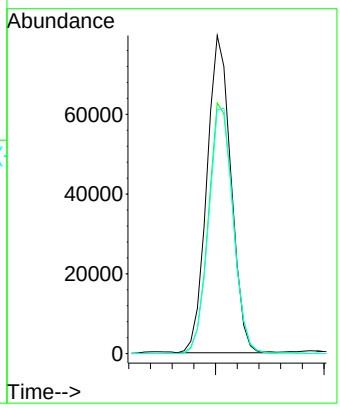


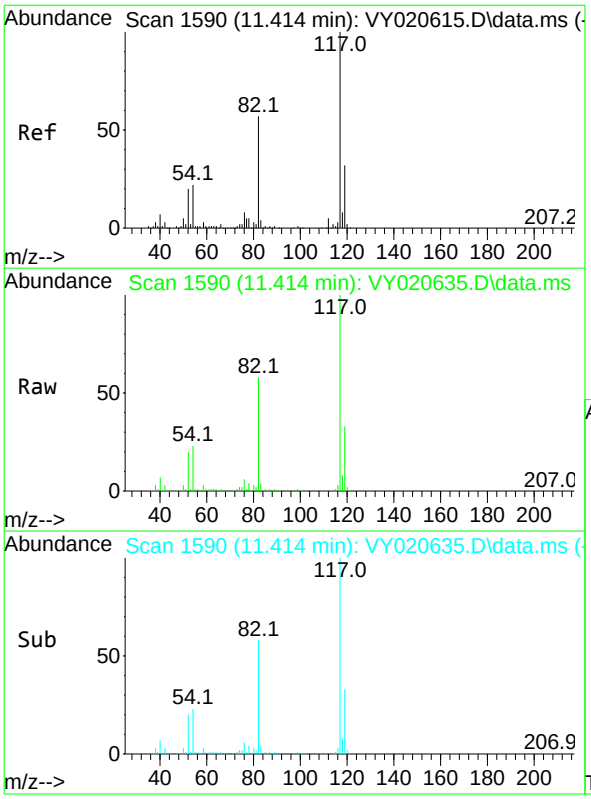


#62
4-Bromofluorobenzene
Concen: 41.011 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY020635.D
Acq: 18 Dec 2024 14:54

Tgt Ion: 95 Resp: 122857

Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	161.8
176	79.2	0.0	156.6



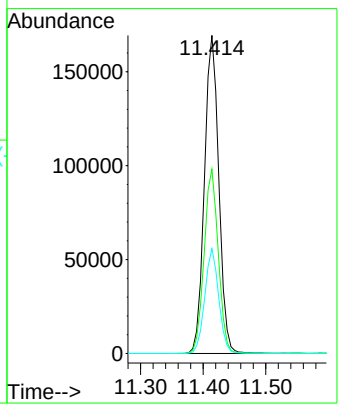


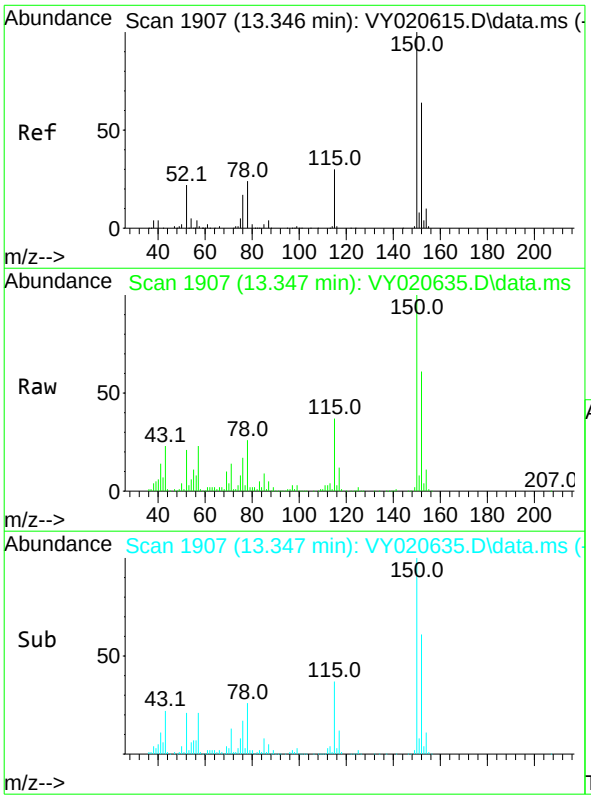
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. 0.000 min
Lab File: VY020635.D
Acq: 18 Dec 2024 14:54

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Tgt Ion:117 Resp: 269674

Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.8	68.6
119	33.0	25.3	37.9

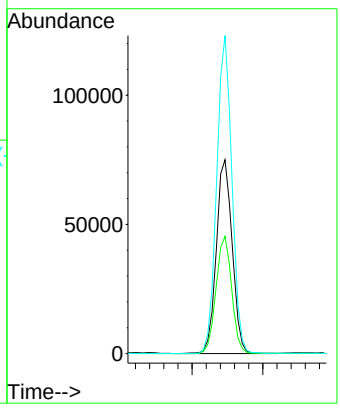




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020635.D
Acq: 18 Dec 2024 14:54

Tgt Ion:152 Resp: 117196

Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.2	90.6
150	156.6	0.0	355.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Title : SW846 8260

Signal : TIC: VY020635.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	9	15	35	rVB	286229	413266	16.75%	1.107%
2	4.610	465	474	484	rBV3	10353	33561	1.36%	0.090%
3	7.628	958	969	976	rBV	121653	300775	12.19%	0.806%
4	7.707	976	982	994	rVB	208867	472636	19.16%	1.266%
5	8.061	1030	1040	1049	rBV	129197	279089	11.31%	0.747%
6	8.610	1120	1130	1145	rBV	369438	733369	29.73%	1.964%
7	10.103	1367	1375	1396	rBV	587913	1000913	40.58%	2.681%
8	11.219	1548	1558	1568	rBV4	13880	37862	1.53%	0.101%
9	11.414	1582	1590	1600	rBV	529449	845111	34.26%	2.263%
10	11.603	1616	1621	1624	rBV	23203	42078	1.71%	0.113%
11	11.640	1624	1627	1635	rVB4	29793	62975	2.55%	0.169%
12	11.926	1667	1674	1686	rBV6	24391	78451	3.18%	0.210%
13	12.170	1709	1714	1722	rVB5	21891	46625	1.89%	0.125%
14	12.402	1747	1752	1758	rVV	396388	640084	25.95%	1.714%
15	12.450	1758	1760	1766	rVB3	33960	52903	2.14%	0.142%
16	12.566	1776	1779	1786	rVB2	41508	68667	2.78%	0.184%
17	12.652	1786	1793	1796	rBV3	33107	67688	2.74%	0.181%
18	12.731	1796	1806	1811	rBV2	290971	547849	22.21%	1.467%
19	12.786	1811	1815	1819	rVB2	93063	149665	6.07%	0.401%
20	12.841	1819	1824	1826	rBV3	39458	62714	2.54%	0.168%
21	12.871	1826	1829	1832	rVB3	40755	53020	2.15%	0.142%
22	12.926	1832	1838	1840	rBV2	60754	110195	4.47%	0.295%
23	12.962	1840	1844	1851	rVB2	188083	306615	12.43%	0.821%
24	13.036	1851	1856	1861	rBV4	26624	64711	2.62%	0.173%
25	13.115	1861	1869	1871	rBV3	58306	149385	6.06%	0.400%
26	13.243	1881	1890	1893	rBV3	233624	570925	23.15%	1.529%
27	13.286	1893	1897	1900	rVV2	152041	233734	9.48%	0.626%
28	13.347	1900	1907	1914	rVB3	587640	1061690	43.04%	2.843%
29	13.426	1915	1920	1923	rBV2	158987	240806	9.76%	0.645%
30	13.529	1934	1937	1939	rBV3	36311	48079	1.95%	0.129%
31	13.560	1940	1942	1945	rVB2	55610	60347	2.45%	0.162%
32	13.627	1945	1953	1954	rBV4	79894	168735	6.84%	0.452%
33	13.676	1954	1961	1965	rVV2	1467892	2465291	99.94%	6.602%
34	13.712	1965	1967	1971	rVV2	230600	312993	12.69%	0.838%
35	13.773	1971	1977	1983	rVV5	190162	442239	17.93%	1.184%
36	13.840	1983	1988	1992	rVV3	207799	495145	20.07%	1.326%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Title : SW846 8260

37	13.889	1993	1996	2000	rVV3	205591	358382	14.53%	0.960%
38	13.938	2001	2004	2008	rVB3	190785	259612	10.52%	0.695%
39	13.993	2009	2013	2018	rBV6	79616	159072	6.45%	0.426%
40	14.066	2019	2025	2029	rBV3	159593	321938	13.05%	0.862%
41	14.115	2029	2033	2036	rBV3	182511	248763	10.08%	0.666%
42	14.170	2036	2042	2050	rVB8	871922	1884599	76.40%	5.047%
43	14.237	2050	2053	2058	rVB3	251683	314873	12.76%	0.843%
44	14.304	2060	2064	2066	rBV3	177110	227711	9.23%	0.610%
45	14.340	2066	2070	2074	rVB2	550694	778329	31.55%	2.084%
46	14.395	2074	2079	2085	rVB3	280878	493394	20.00%	1.321%
47	14.474	2086	2092	2094	rBV5	74489	160559	6.51%	0.430%
48	14.529	2097	2101	2108	rBV	1642437	2274920	92.23%	6.093%
49	14.602	2108	2113	2116	rBV	385209	589701	23.91%	1.579%
50	14.645	2116	2120	2127	rVB	1161709	1830302	74.20%	4.902%
51	14.724	2128	2133	2136	rBV4	182622	344421	13.96%	0.922%
52	14.767	2136	2140	2148	rVB2	465290	1044816	42.36%	2.798%
53	14.852	2149	2154	2159	rVB4	262178	519142	21.05%	1.390%
54	14.907	2159	2163	2165	rBV3	111866	184935	7.50%	0.495%
55	14.950	2166	2170	2176	rBV5	272529	581243	23.56%	1.557%
56	15.011	2176	2180	2182	rBV3	165942	277147	11.24%	0.742%
57	15.054	2183	2187	2193	rVB3	554324	1052416	42.66%	2.819%
58	15.121	2193	2198	2203	rBV	1040980	1638153	66.41%	4.387%
59	15.169	2203	2206	2215	rVB4	188149	445584	18.06%	1.193%
60	15.249	2216	2219	2221	rBV4	96079	140119	5.68%	0.375%
61	15.346	2230	2235	2241	rBV	1696318	2466700	100.00%	6.606%
62	15.450	2249	2252	2256	rVB2	223210	341319	13.84%	0.914%
63	15.511	2257	2262	2268	rVB2	465130	816678	33.11%	2.187%
64	15.864	2317	2320	2323	rVV3	105258	148626	6.03%	0.398%
65	15.919	2324	2329	2335	rVV4	306099	748845	30.36%	2.006%
66	15.980	2335	2339	2345	rVB3	280811	618679	25.08%	1.657%
67	16.047	2345	2350	2358	rVB	582565	1045287	42.38%	2.799%
68	16.248	2378	2383	2389	rBV	1194703	2113456	85.68%	5.660%
69	16.358	2397	2401	2404	rBV2	108507	189297	7.67%	0.507%

Sum of corrected areas: 37339209

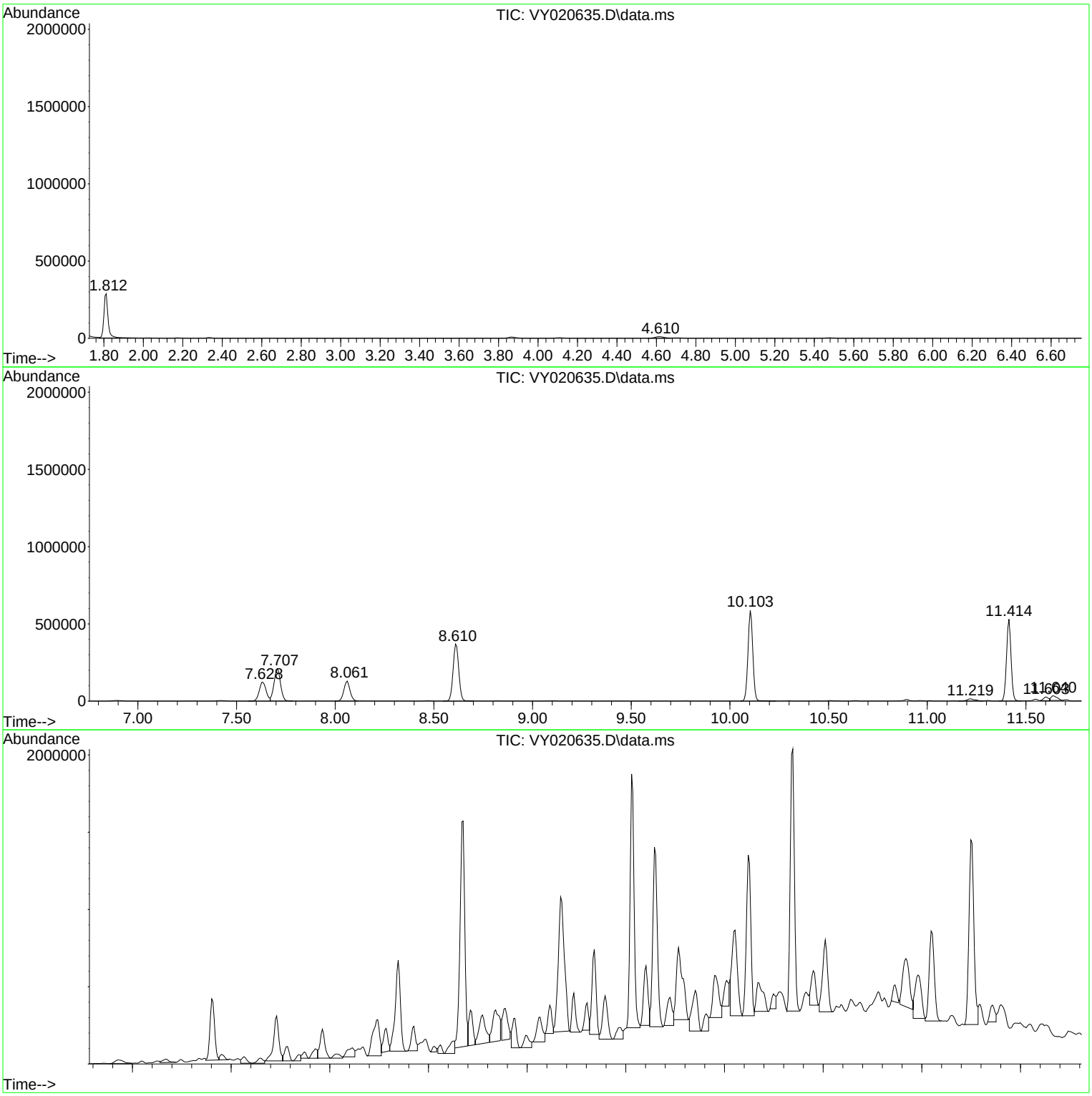
Sample Results: **VY020635.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

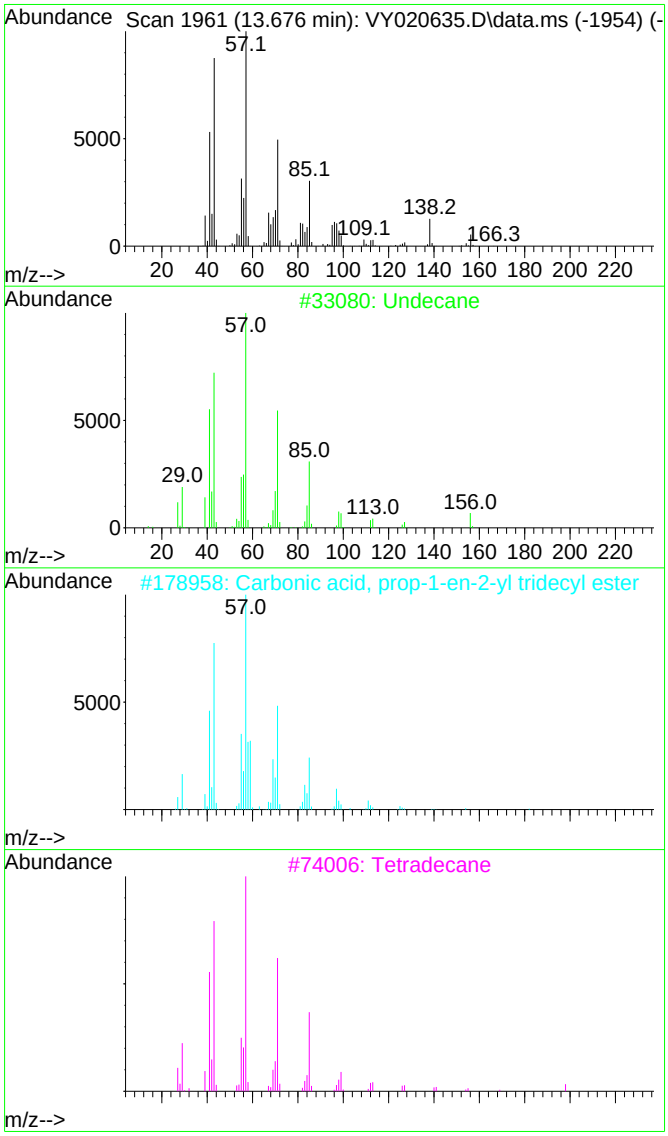
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

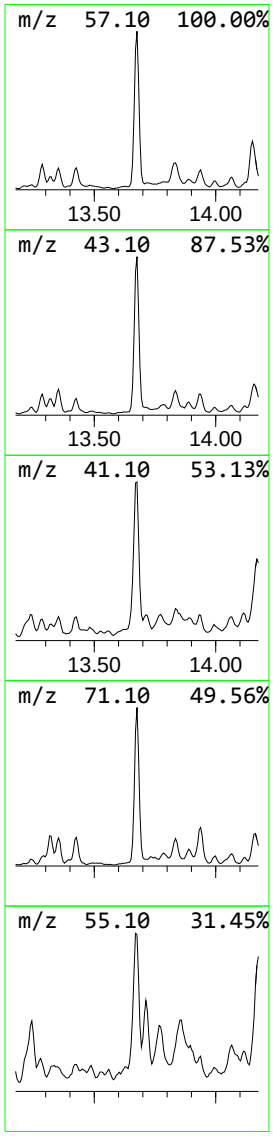
****

Peak Number 1 Undecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	116.10 ug/l	2465290	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	64
2	Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	64
3	Tetradecane	198	C14H30	000629-59-4	58
4	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	58
5	Decane	142	C10H22	000124-18-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

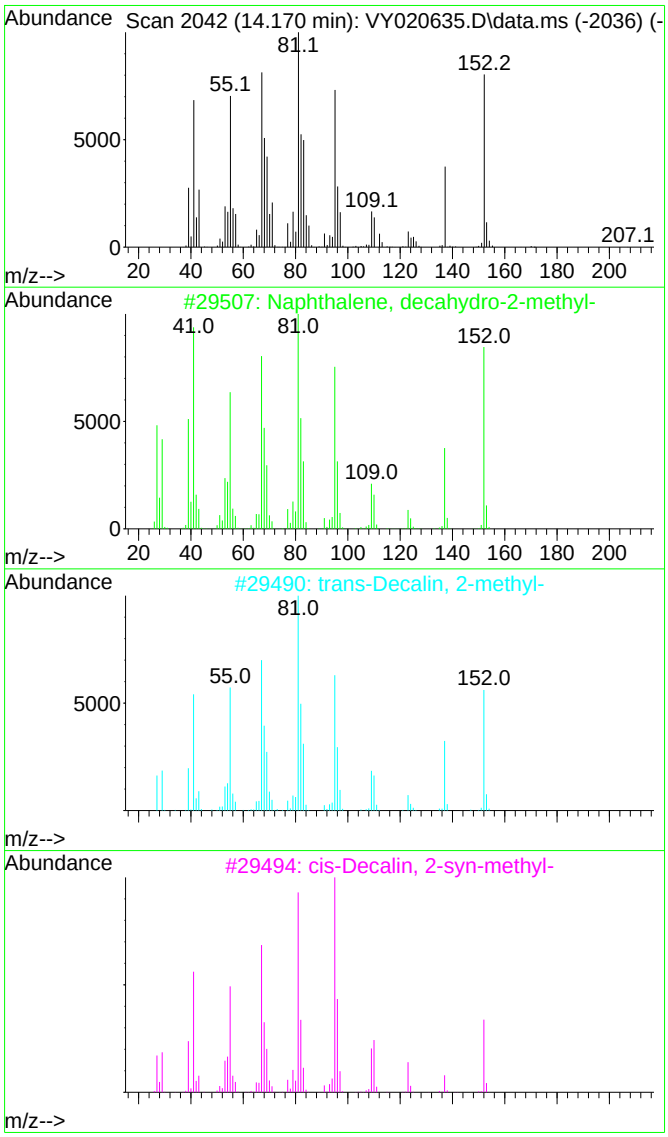
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

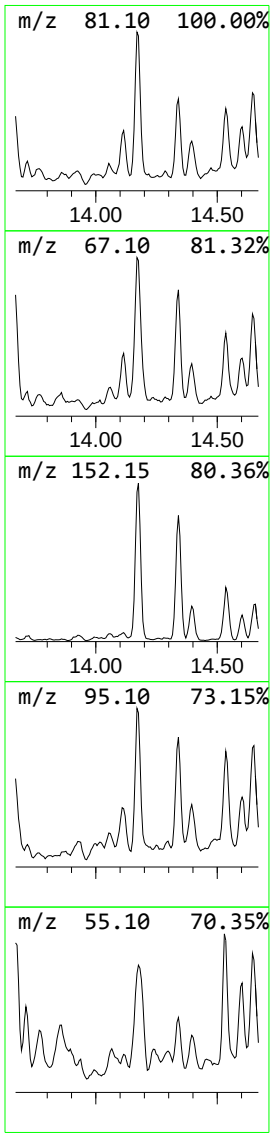
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	88.75 ug/l	1884600	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	97
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	83
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	70
5	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

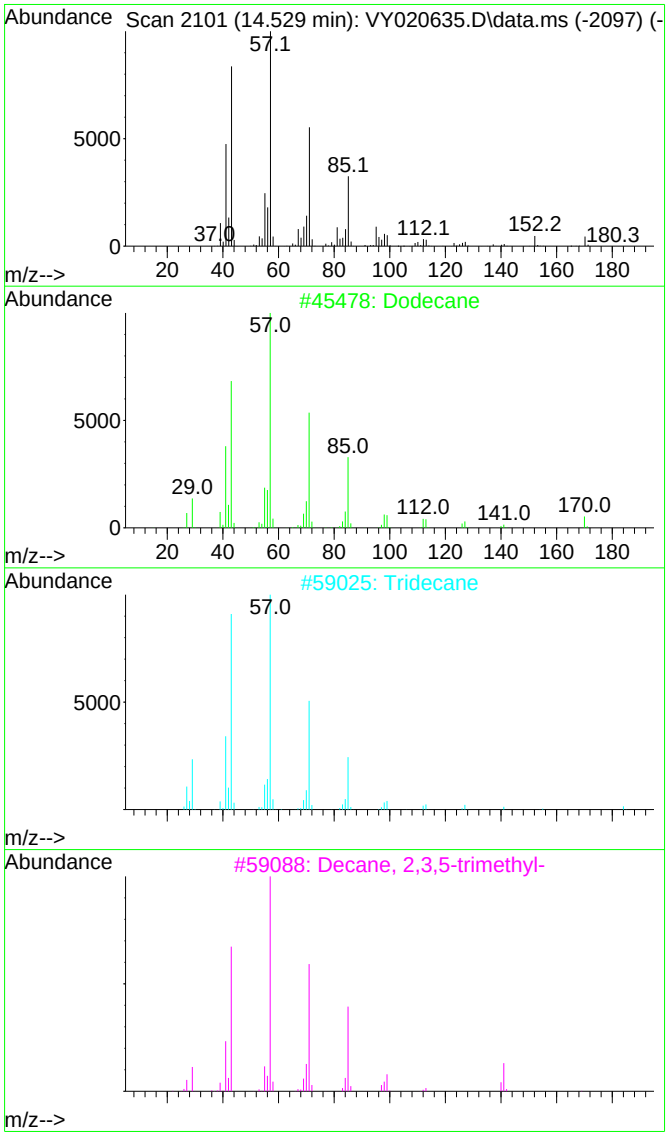
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

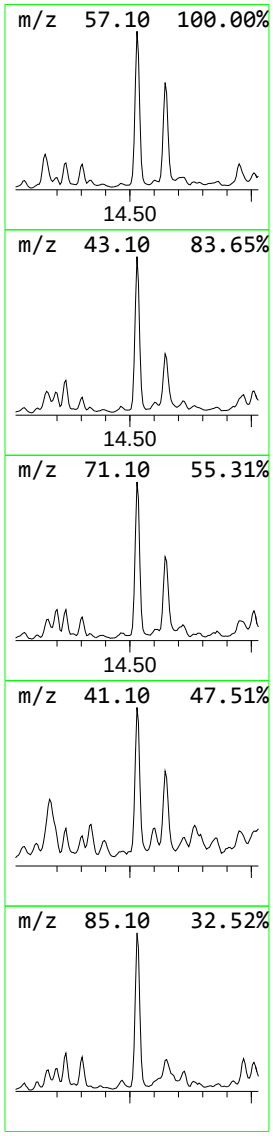
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Dodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.529	107.14 ug/l	2274920	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	93
2	Tridecane	184	C13H28	000629-50-5	72
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72
4	Undecane	156	C11H24	001120-21-4	72
5	Tetradecane	198	C14H30	000629-59-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

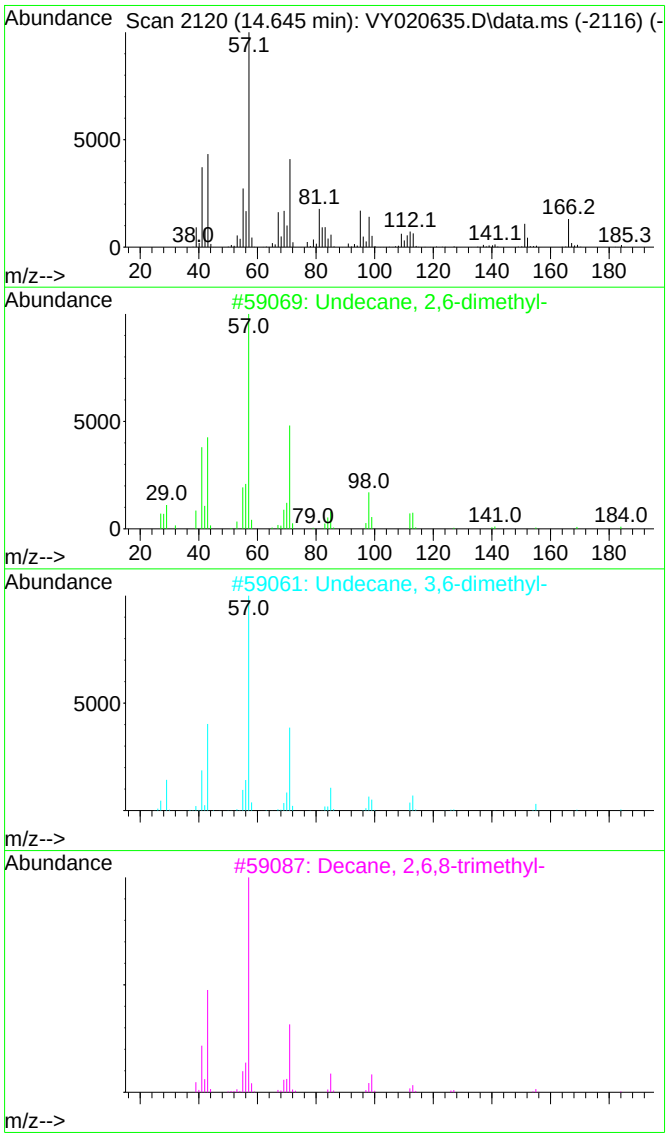
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

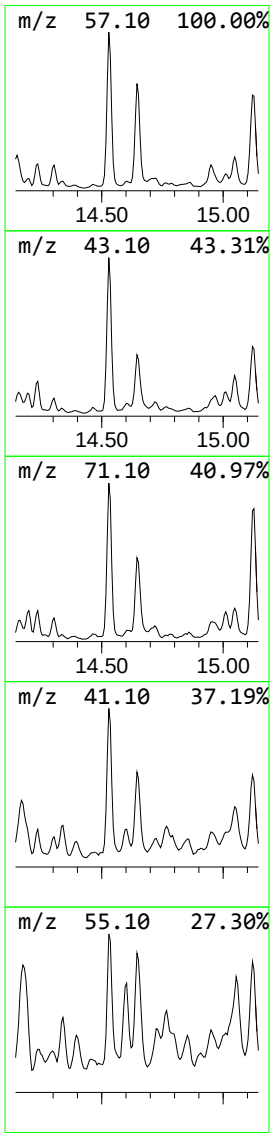
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	86.20 ug/l	1830300	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	96
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	60
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	47
4	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	43
5	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

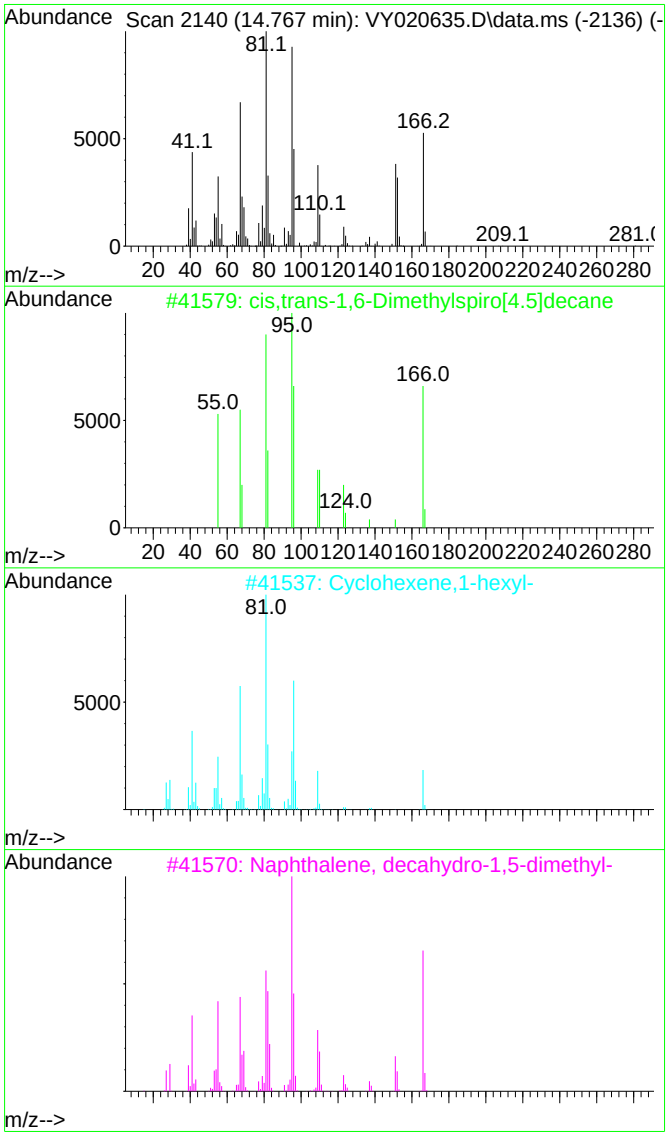
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

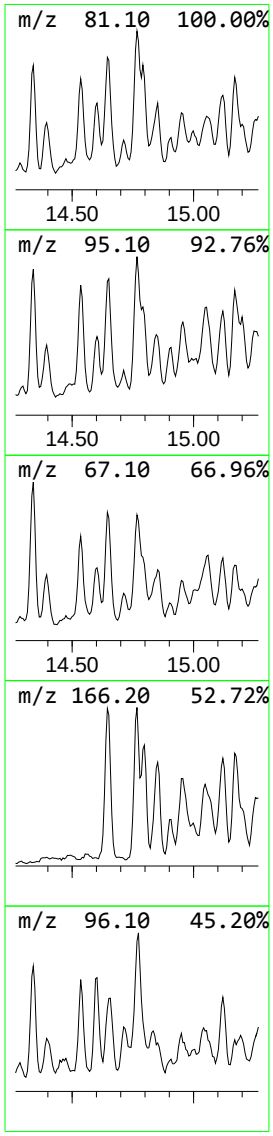
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 cis,trans-1,6-Dimethylspiro... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.767	49.21 ug/l	1044820	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	70
2	Cyclohexene,1-hexyl-	166	C12H22	003964-66-7	60
3	Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	60
4	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	58
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

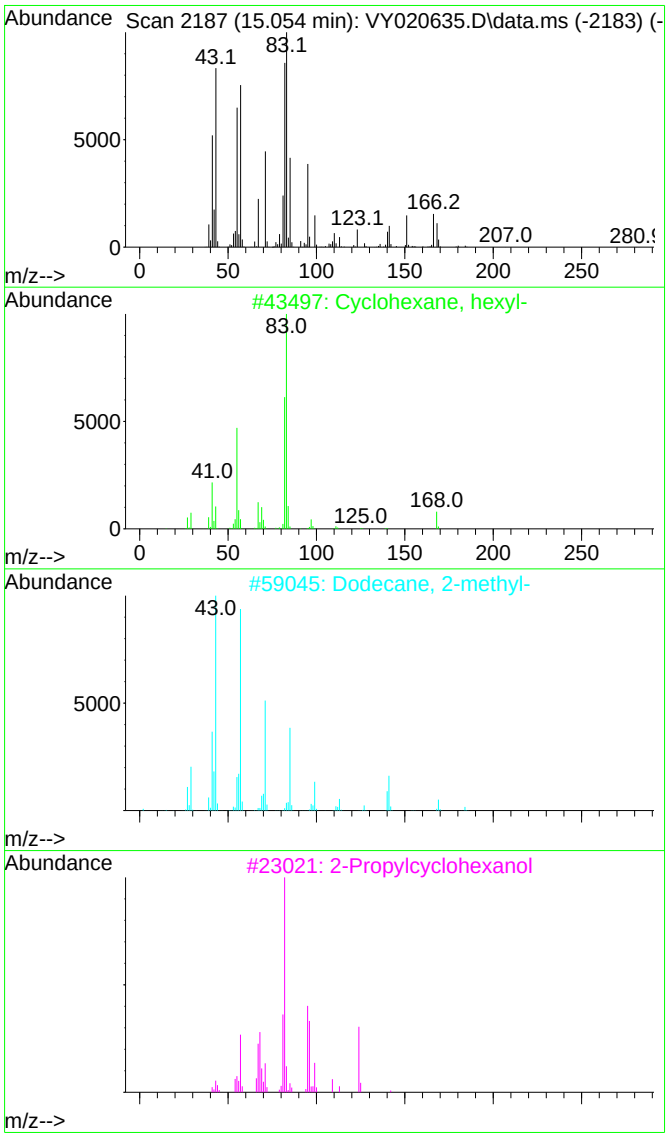
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

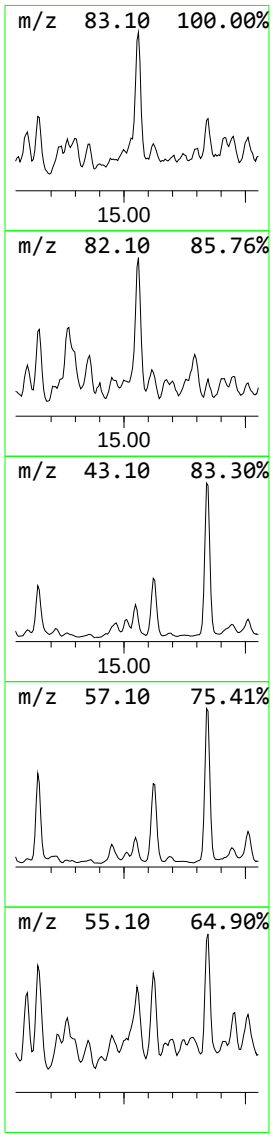
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown15.054 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.054	49.56 ug/l	1052420	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	38
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	35
3	2-Propylcyclohexanol	142	C9H18O	090676-25-8	35
4	3-Methyl-1-[(1H)-1,2,4-triazol-1...	153	C7H11N3O	064922-02-7	27
5	cis-3-Hexenyl 2-ethylbutyrate	198	C12H22O2	1000433-24-6	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

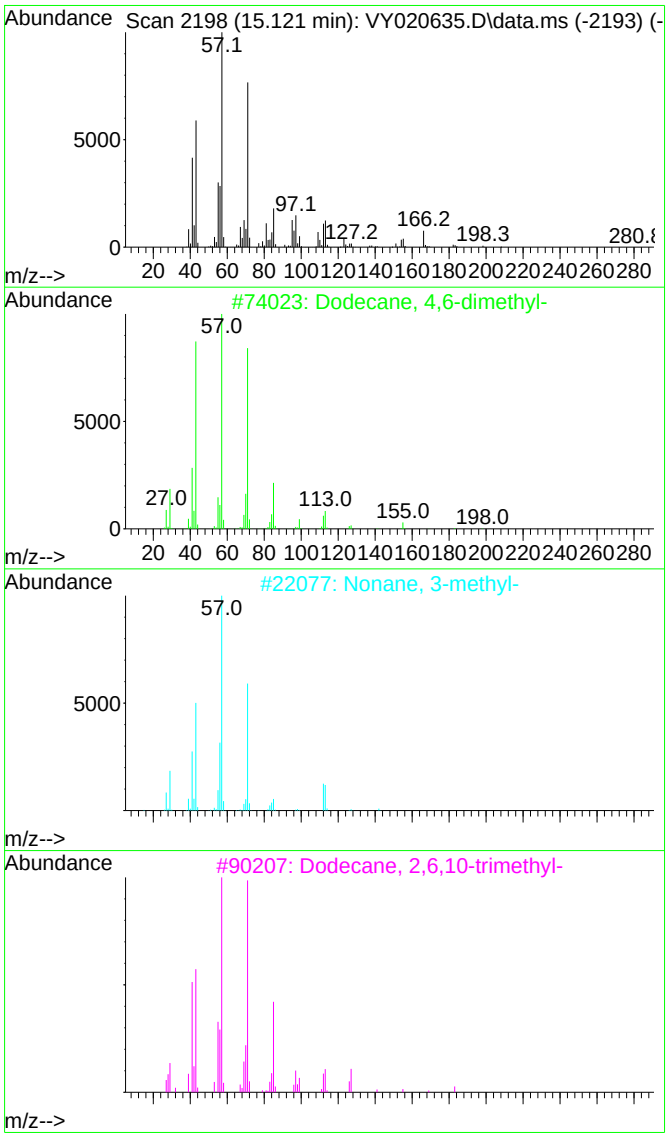
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

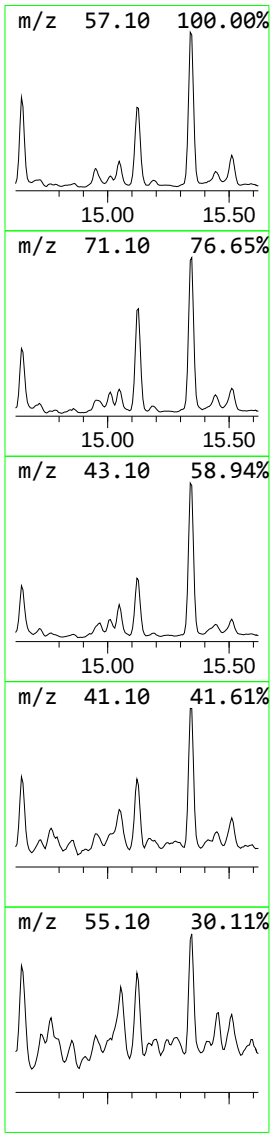
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Dodecane, 4,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.121	77.15 ug/l	1638150	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
5	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

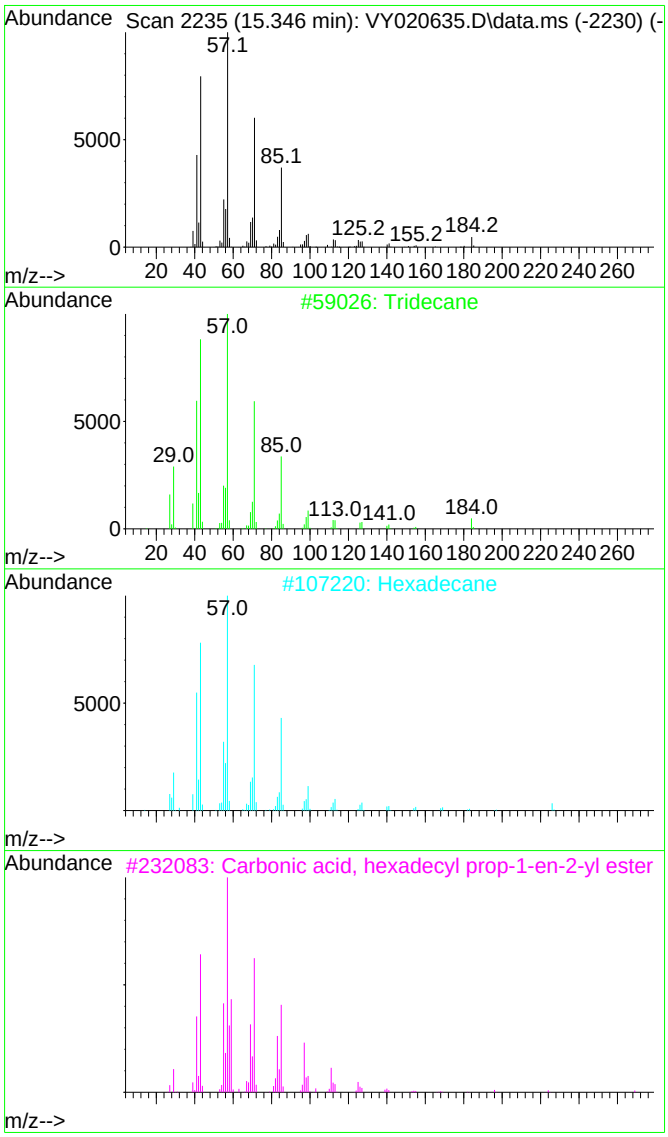
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

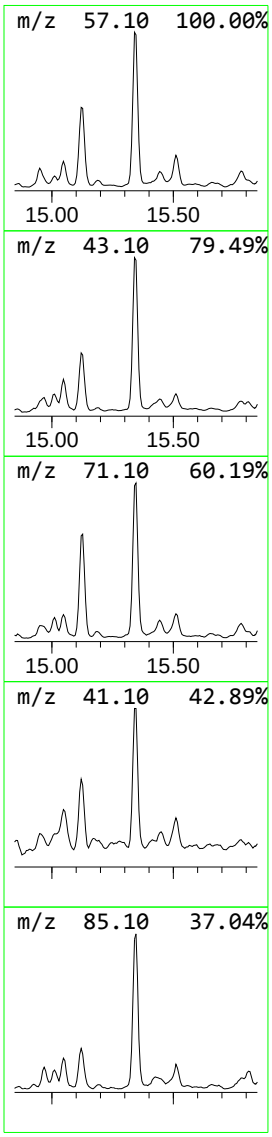
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Tridecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.346	116.17 ug/l	2466700	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Hexadecane	226	C16H34	000544-76-3	91
3	Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	80
4	Dodecane	170	C12H26	000112-40-3	80
5	Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

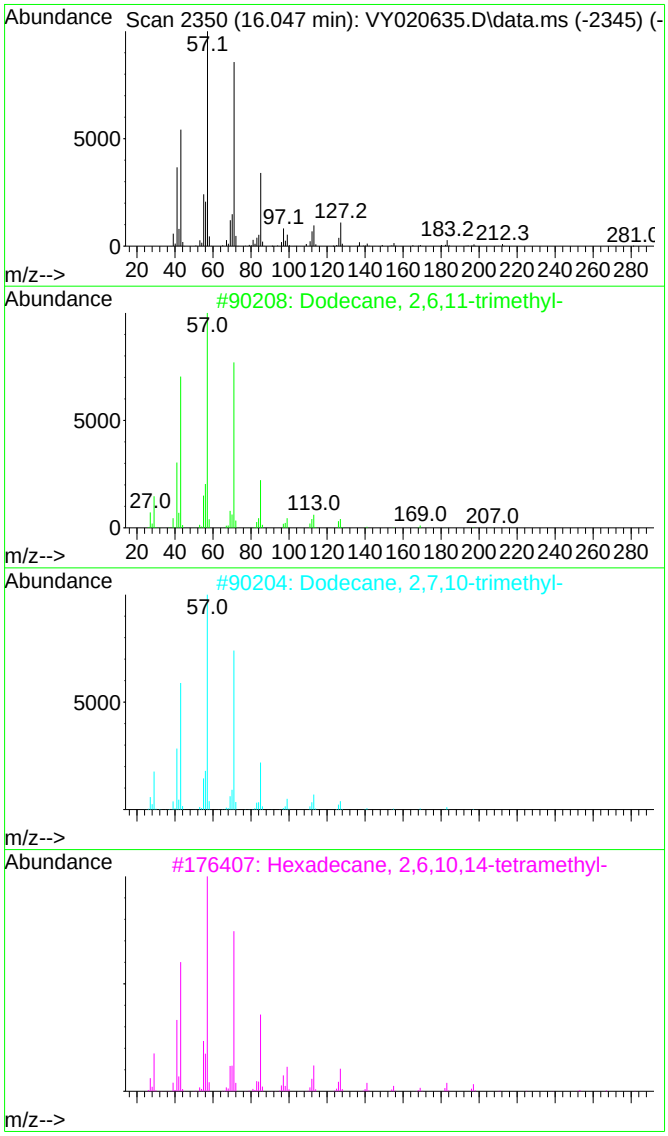
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

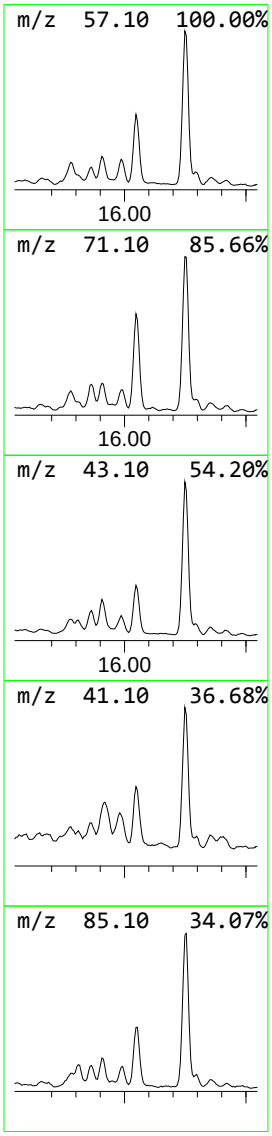
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Dodecane, 2,6,11-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.047	49.23 ug/l	1045290	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
5	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

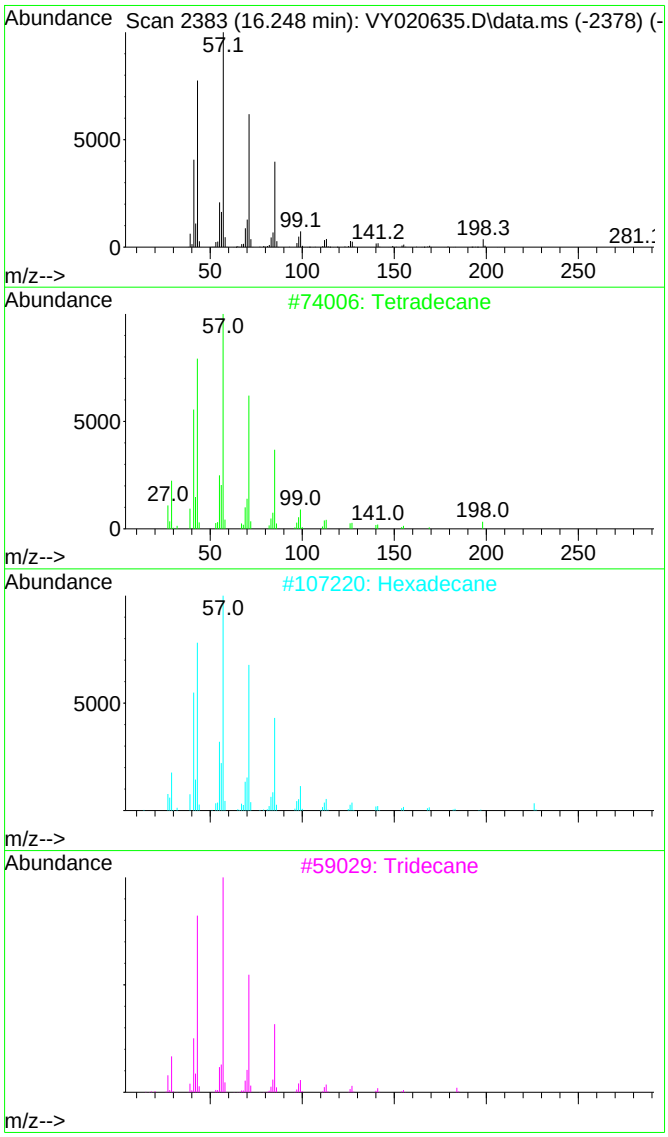
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

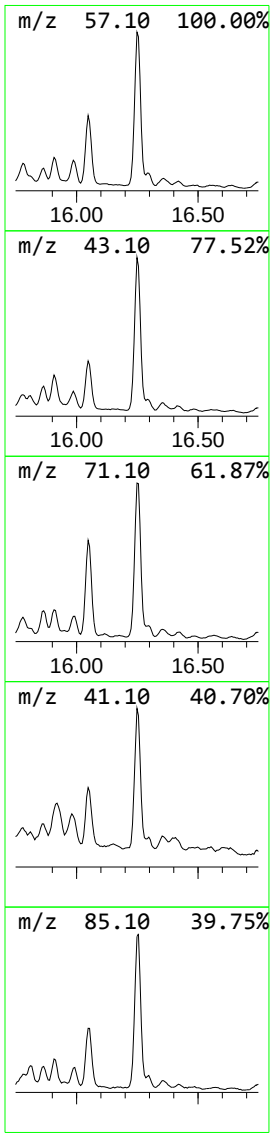
****

Peak Number 10 Tetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.248	99.53 ug/l	2113460	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	98
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tridecane	184	C13H28	000629-50-5	86
4	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	86
5	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020635.D
Acq On : 18 Dec 2024 14:54
Operator : SY/MD
Sample : P5299-04
Misc : 6.77g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SB-02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.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
Undecane	13.676	116.1	ug/l	2465290	4	13.347	1061690	50.0
Naphthalene, de...	14.169	88.8	ug/l	1884600	4	13.347	1061690	50.0
Dodecane	14.529	107.1	ug/l	2274920	4	13.347	1061690	50.0
Undecane, 2,6-d...	14.645	86.2	ug/l	1830300	4	13.347	1061690	50.0
cis,trans-1,6-D...	14.767	49.2	ug/l	1044820	4	13.347	1061690	50.0
unknown15.054	15.054	49.6	ug/l	1052420	4	13.347	1061690	50.0
Dodecane, 4,6-d...	15.121	77.2	ug/l	1638150	4	13.347	1061690	50.0
Tridecane	15.346	116.2	ug/l	2466700	4	13.347	1061690	50.0
Dodecane, 2,6,1...	16.047	49.2	ug/l	1045290	4	13.347	1061690	50.0
Tetradecane	16.248	99.5	ug/l	2113460	4	13.347	1061690	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020625.D
Acq On : 18 Dec 2024 10:52
Operator : SY/MD
Sample : VY1218SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBL01

Quant Time: Dec 18 14:21:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	201389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	355898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	296016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	114022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	109578	49.681	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.360%		
35) Dibromofluoromethane	7.640	113	112159	44.716	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.440%		
50) Toluene-d8	10.109	98	424991	48.408	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.820%		
62) 4-Bromofluorobenzene	12.408	95	128486	37.413	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	74.820%		

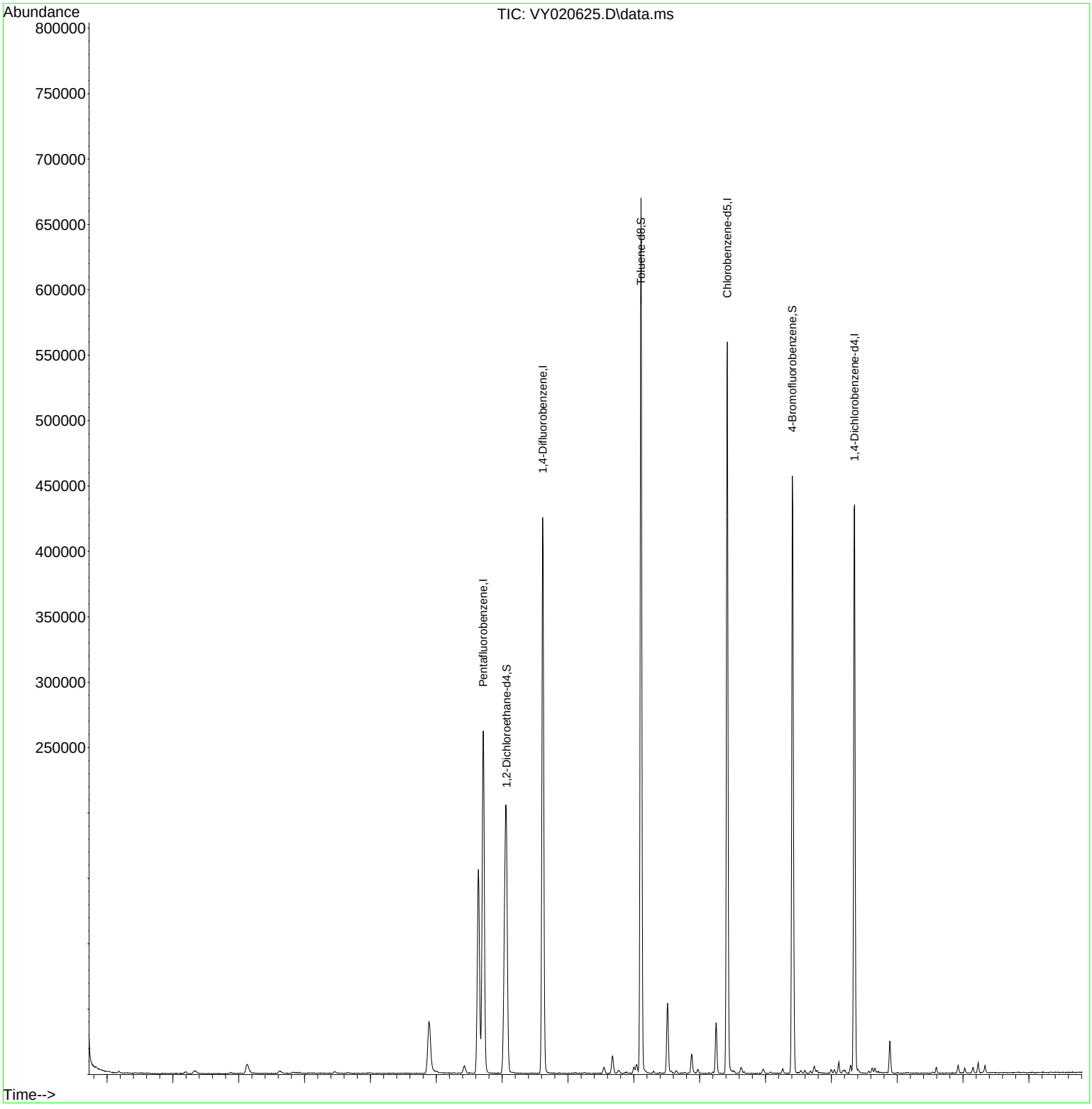
Target Compounds Qvalue

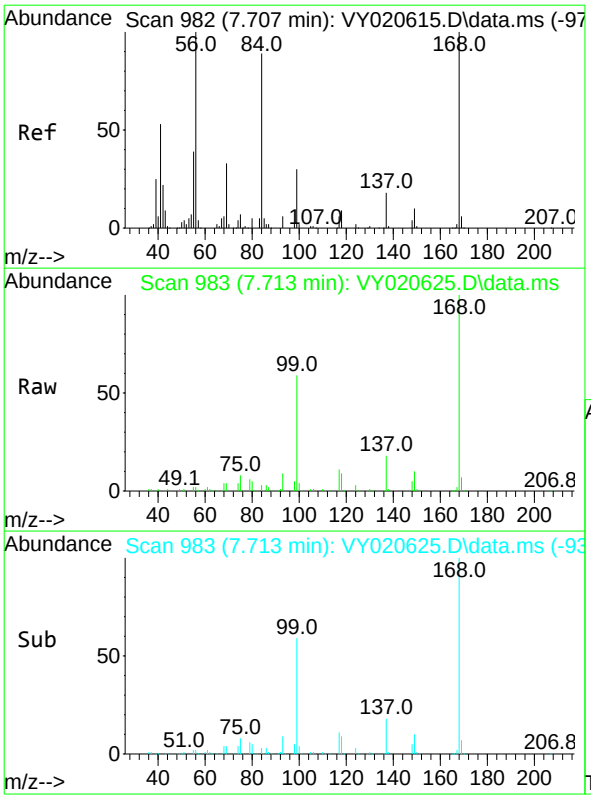
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020625.D
Acq On : 18 Dec 2024 10:52
Operator : SY/MD
Sample : VY1218SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBL01

Quant Time: Dec 18 14:21:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration



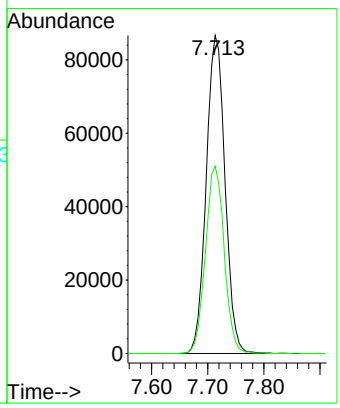


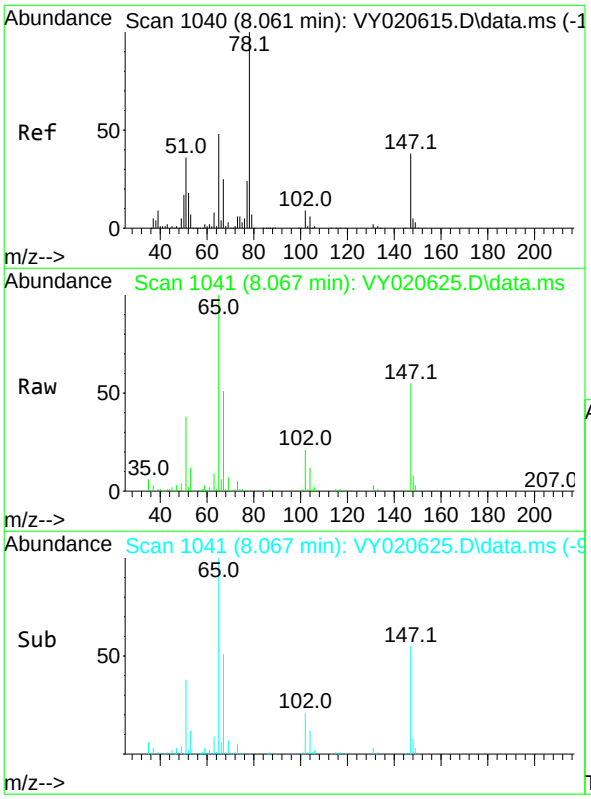
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020625.D
Acq: 18 Dec 2024 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBL01

Tgt Ion:168 Resp: 201389

Ion	Ratio	Lower	Upper
168	100		
99	58.9	47.0	70.6

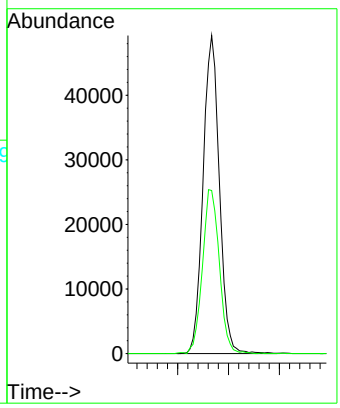


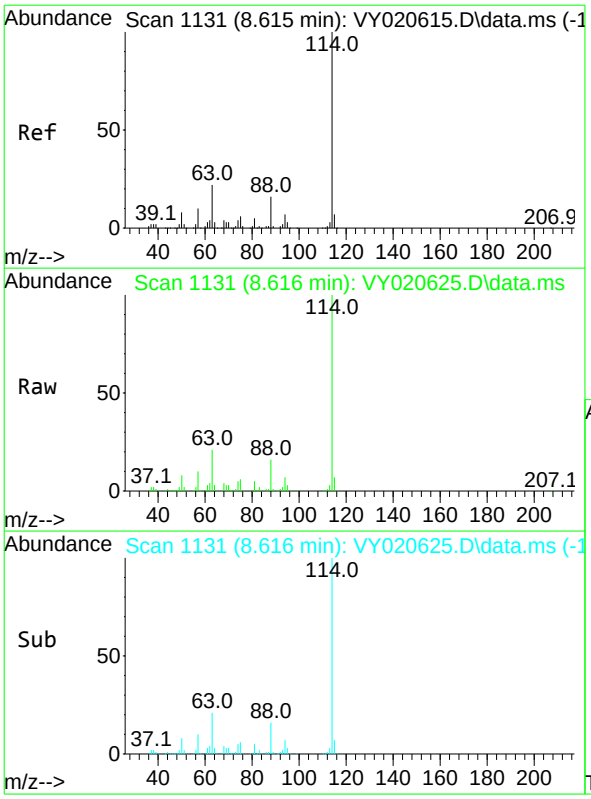


#33
1,2-Dichloroethane-d4
Concen: 49.681 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020625.D
Acq: 18 Dec 2024 10:52

Tgt Ion: 65 Resp: 109578

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	108.0



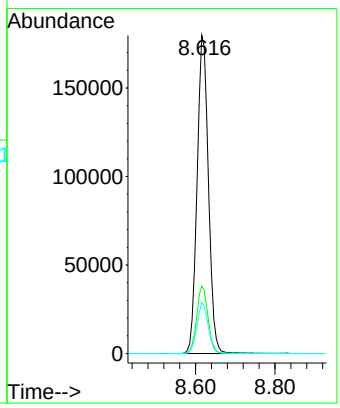


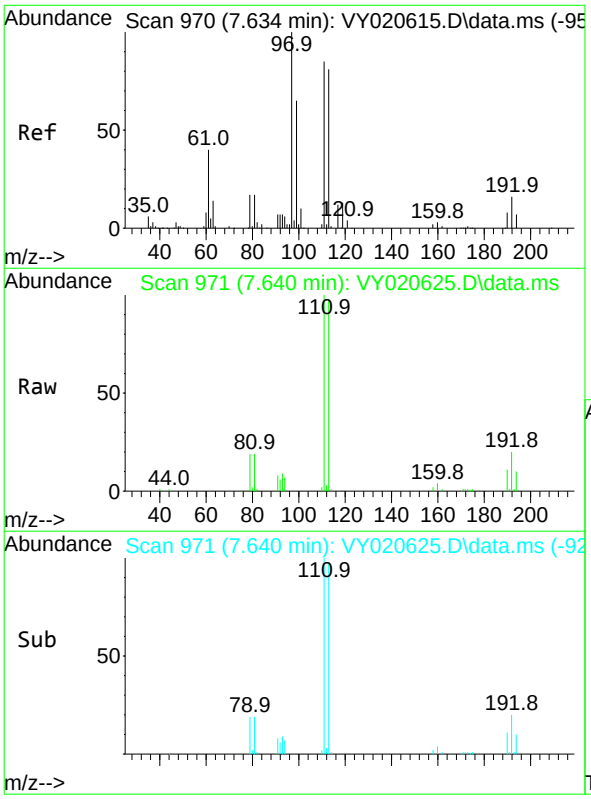
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020625.D
Acq: 18 Dec 2024 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBL01

Tgt Ion:114 Resp: 355898

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	44.0
88	16.0	0.0	32.8

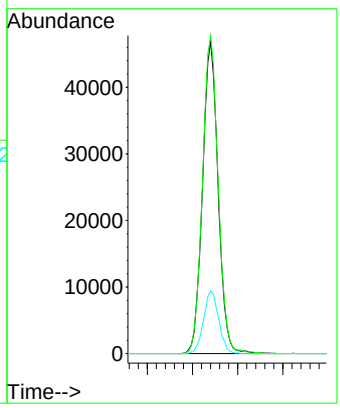


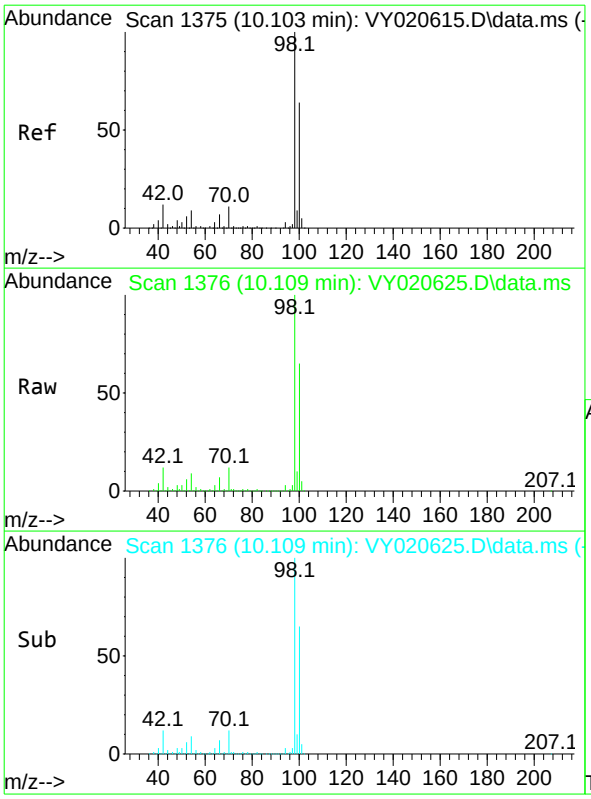


#35
Dibromofluoromethane
Concen: 44.716 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020625.D
Acq: 18 Dec 2024 10:52

Tgt Ion:113 Resp: 112159

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	19.5	15.7	23.5



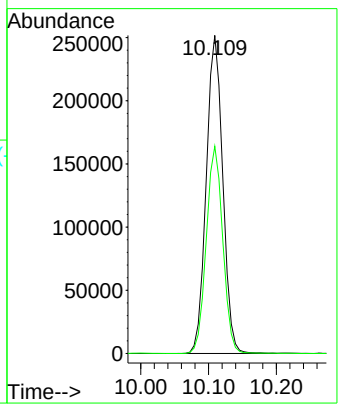


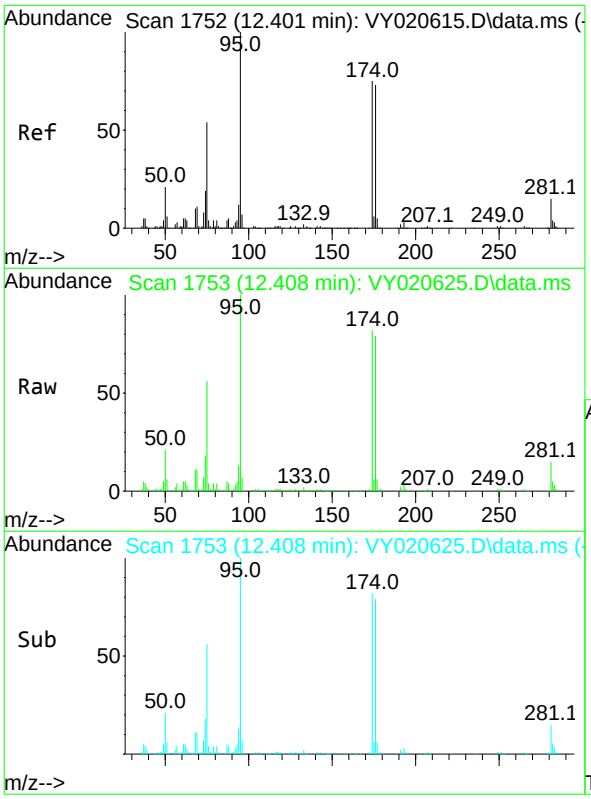
#50
Toluene-d8
Concen: 48.408 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.006 min
Lab File: VY020625.D
Acq: 18 Dec 2024 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBL01

Tgt Ion: 98 Resp: 424991

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1

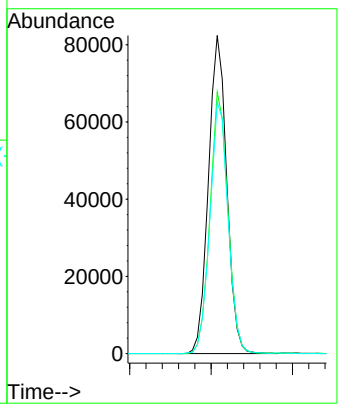


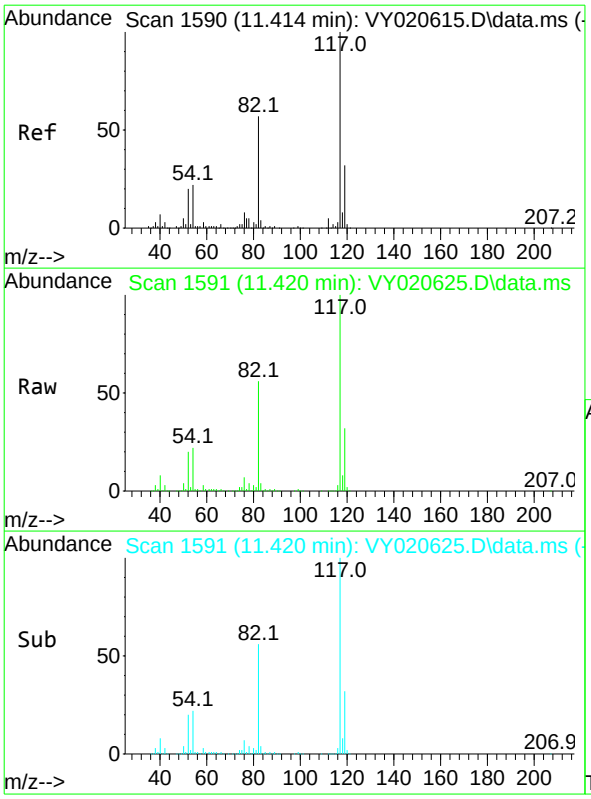


#62
4-Bromofluorobenzene
Concen: 37.413 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020625.D
Acq: 18 Dec 2024 10:52

Tgt Ion: 95 Resp: 128486

Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	161.8
176	78.5	0.0	156.6



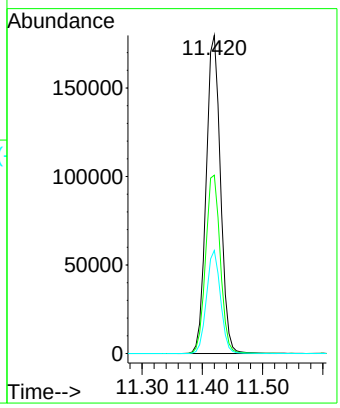


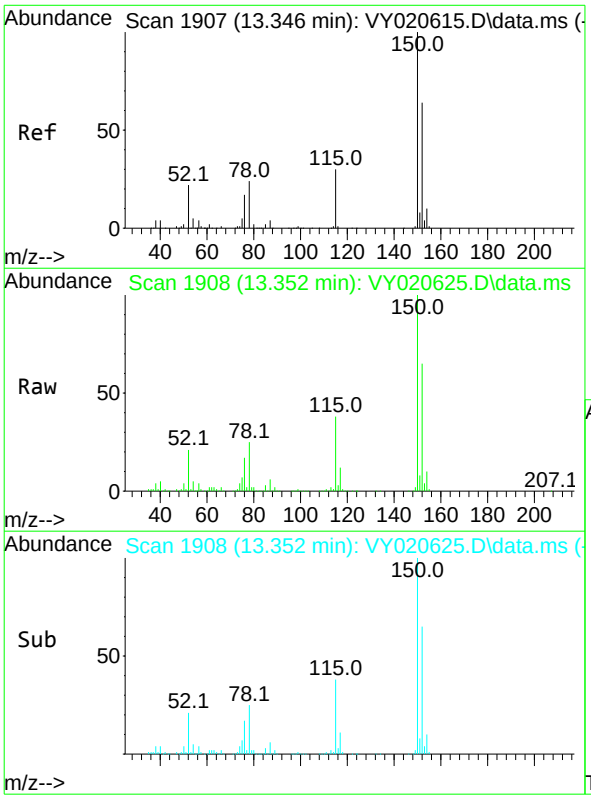
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020625.D
Acq: 18 Dec 2024 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBL01

Tgt Ion:117 Resp: 296016

Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.8	68.6
119	32.4	25.3	37.9

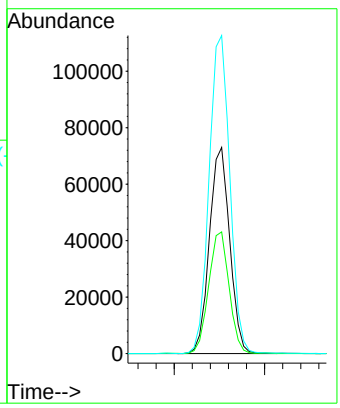




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020625.D
Acq: 18 Dec 2024 10:52

Tgt Ion:152 Resp: 114022

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.2	90.6
150	157.4	0.0	355.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020625.D
Acq On : 18 Dec 2024 10:52
Operator : SY/MD
Sample : VY1218SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Title : SW846 8260

Signal : TIC: VY020625.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.129	387	395	408	rBV2	6863	22629	2.01%	0.350%
2	6.890	835	848	864	rBV	39554	130386	11.56%	2.018%
3	7.427	928	936	947	rVB2	5795	14603	1.29%	0.226%
4	7.640	960	971	977	rBV	155738	375567	33.29%	5.812%
5	7.713	977	983	997	rVB	261373	603053	53.46%	9.333%
6	8.055	1026	1039	1055	rBV2	205267	634157	56.22%	9.814%
7	8.616	1123	1131	1143	rBV	425042	835328	74.05%	12.927%
8	9.676	1297	1305	1312	rBV2	13236	27602	2.45%	0.427%
9	10.109	1369	1376	1389	rVB	668547	1128031	100.00%	17.457%
10	10.512	1433	1442	1449	rBV	53729	98773	8.76%	1.529%
11	10.877	1492	1502	1512	rBV2	14583	28096	2.49%	0.435%
12	11.249	1557	1563	1573	rVB	38665	65298	5.79%	1.011%
13	11.420	1583	1591	1602	rBV	559164	932078	82.63%	14.425%
14	12.408	1744	1753	1763	rBV2	456844	799524	70.88%	12.373%
15	13.115	1863	1869	1875	rBV2	8623	13062	1.16%	0.202%
16	13.352	1901	1908	1915	rVV	433095	701462	62.18%	10.856%
17	13.889	1991	1996	2008	rVB2	24932	40563	3.60%	0.628%
18	15.230	2210	2216	2221	rVB	7832	11481	1.02%	0.178%

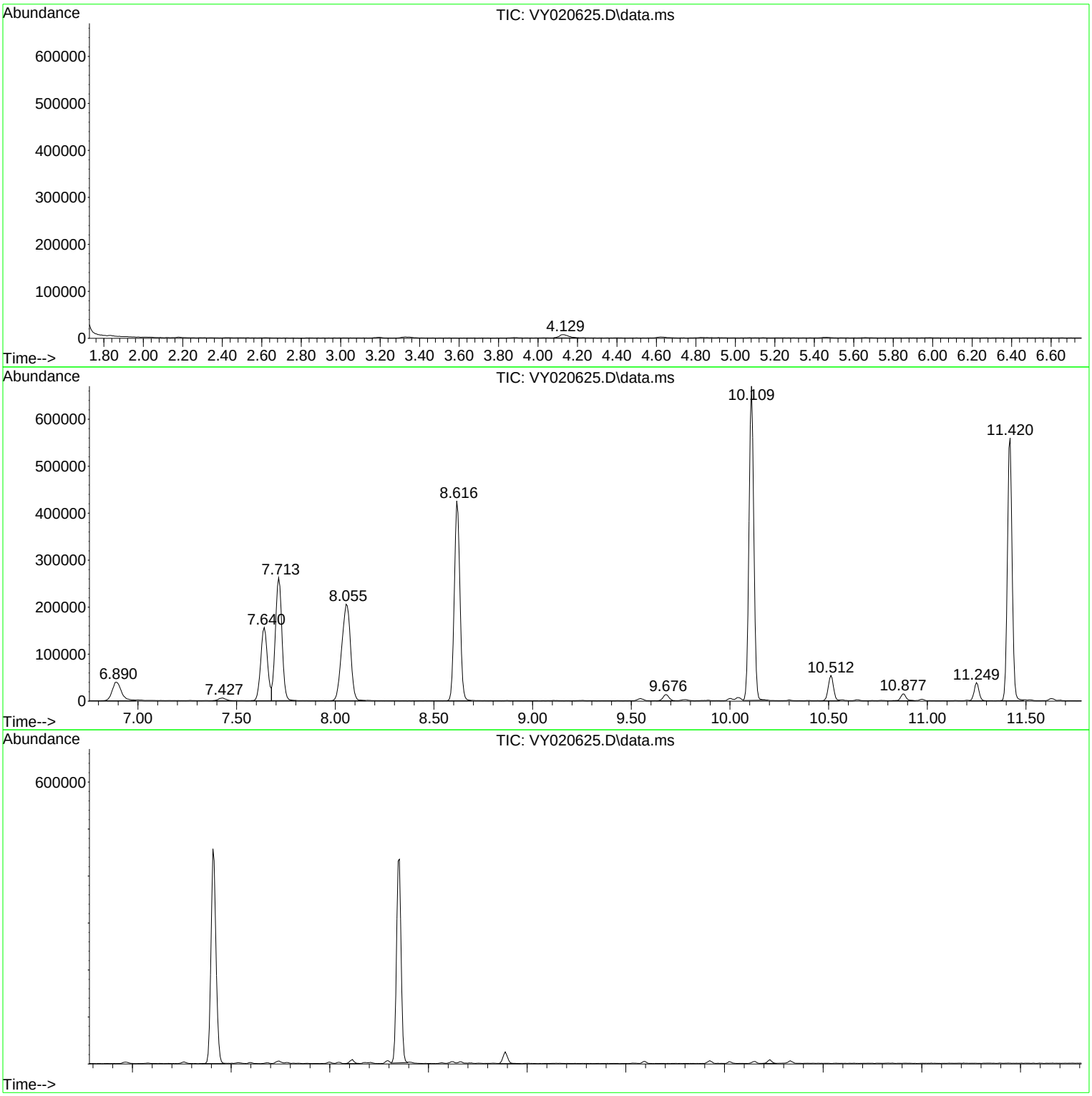
Sum of corrected areas: 6461693

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020625.D
Acq On : 18 Dec 2024 10:52
Operator : SY/MD
Sample : VY1218SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260

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



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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020625.D
Acq On    : 18 Dec 2024  10:52
Operator  : SY/MD
Sample    : VY1218SBL01
Misc      : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial  : 4   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title  : SW846 8260

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

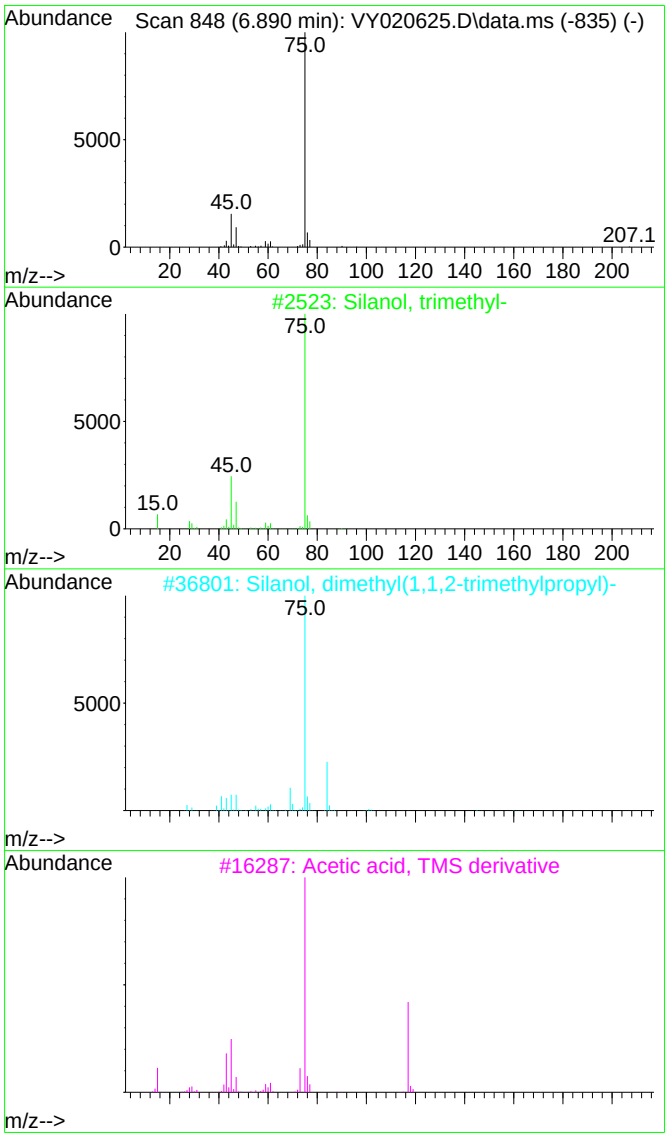
Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBL01

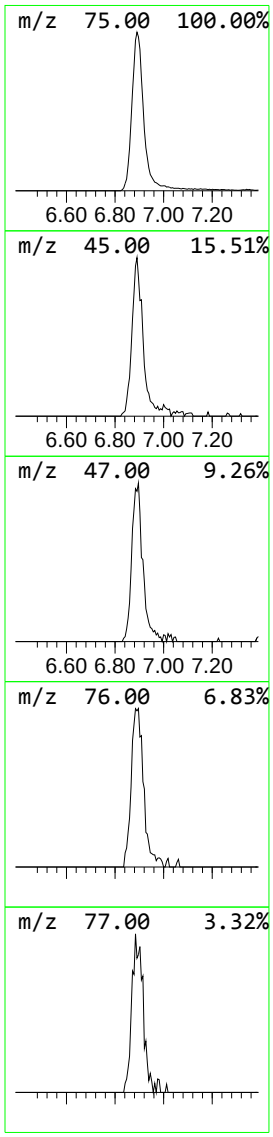
****

Peak Number 1 Silanol, trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.890	10.81 ug/l	130386	Pentafluorobenzene	7.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	91
2	Silanol, dimethyl(1,1,2-trimethy...	160	C8H20OSi	055644-10-5	78
3	Acetic acid, TMS derivative	132	C5H12O2Si	002754-27-0	78
4	2-Methylpropanoic acid, TBDMS de...	202	C10H22O2Si	111864-21-2	64
5	3-(Methylthio)-2-butanone	118	C5H10OS	053475-15-3	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020625.D
Acq On : 18 Dec 2024 10:52
Operator : SY/MD
Sample : VY1218SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.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
Silanol, trimet...	6.890	10.8	ug/l	130386	1	7.713	603053	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020626.D
Acq On : 18 Dec 2024 11:19
Operator : SY/MD
Sample : VY1218SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 14:21:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	167281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	257615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	226665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	127451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	88674	48.401	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.800%			
35) Dibromofluoromethane	7.634	113	87767	48.340	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.680%			
50) Toluene-d8	10.103	98	309318	48.674	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.340%			
62) 4-Bromofluorobenzene	12.408	95	115004	46.263	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	40382	19.327	ug/l	99
3) Chloromethane	2.068	50	30252	19.541	ug/l	97
4) Vinyl Chloride	2.208	62	30090	20.882	ug/l	93
5) Bromomethane	2.592	94	17369	18.752	ug/l	94
6) Chloroethane	2.733	64	17918	20.123	ug/l	97
7) Trichlorofluoromethane	3.062	101	58469	19.392	ug/l	95
8) Diethyl Ether	3.452	74	18809	17.788	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	37241	17.232	ug/l	100
10) Methyl Iodide	4.007	142	41758	17.355	ug/l	100
11) Tert butyl alcohol	4.860	59	19583	78.568	ug/l	97
12) 1,1-Dichloroethene	3.787	96	35177	16.776	ug/l	99
13) Acrolein	3.653	56	8215	94.829	ug/l	94
14) Allyl chloride	4.385	41	69625	18.949	ug/l	99
15) Acrylonitrile	5.068	53	49364	97.584	ug/l	99
16) Acetone	3.873	43	29969	77.909	ug/l	98
17) Carbon Disulfide	4.110	76	119696	17.537	ug/l	99
18) Methyl Acetate	4.391	43	24523	19.673	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	107210	19.809	ug/l	95
20) Methylene Chloride	4.623	84	44364	19.476	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	44598	18.960	ug/l	96
22) Diisopropyl ether	6.019	45	148852	19.958	ug/l	95
23) Vinyl Acetate	5.964	43	416297	98.552	ug/l	99
24) 1,1-Dichloroethane	5.921	63	83933	19.210	ug/l	99
25) 2-Butanone	6.903	43	61848	90.838	ug/l	99
26) 2,2-Dichloropropane	6.890	77	71249	17.250	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	52075	19.243	ug/l	99
28) Bromochloromethane	7.244	49	25031	16.984	ug/l	99
29) Tetrahydrofuran	7.268	42	41982	97.675	ug/l	99
30) Chloroform	7.421	83	90485	17.145	ug/l	99
31) Cyclohexane	7.701	56	78663	18.829	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	77928	19.413	ug/l	99
36) 1,1-Dichloropropene	7.835	75	63989	19.328	ug/l	100
37) Ethyl Acetate	6.988	43	29965	19.242	ug/l	97
38) Carbon Tetrachloride	7.817	117	70634	19.284	ug/l	96
39) Methylcyclohexane	9.110	83	81692	18.932	ug/l	98
40) Benzene	8.079	78	189386	19.516	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020626.D
Acq On : 18 Dec 2024 11:19
Operator : SY/MD
Sample : VY1218SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 14:21:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	18878	22.930 ug/l #	81
42) 1,2-Dichloroethane	8.158	62	50543	19.638 ug/l	99
43) Isopropyl Acetate	8.195	43	58670	19.900 ug/l #	91
44) Trichloroethene	8.866	130	46211	19.380 ug/l	98
45) 1,2-Dichloropropane	9.140	63	44886	19.791 ug/l	96
46) Dibromomethane	9.231	93	23180	19.339 ug/l	100
47) Bromodichloromethane	9.420	83	62416	19.278 ug/l	98
48) Methyl methacrylate	9.219	41	27180	19.393 ug/l	99
49) 1,4-Dioxane	9.225	88	5652	411.180 ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	151100	97.097 ug/l	100
52) Toluene	10.170	92	116630	19.339 ug/l	98
53) t-1,3-Dichloropropene	10.390	75	59203	19.624 ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	69444	19.425 ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	30990	19.556 ug/l	99
56) Ethyl methacrylate	10.439	69	45754	19.902 ug/l	99
57) 1,3-Dichloropropane	10.719	76	56163	19.881 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	95263	98.479 ug/l	99
59) 2-Hexanone	10.762	43	97879	97.964 ug/l	99
60) Dibromochloromethane	10.908	129	41648	19.651 ug/l	98
61) 1,2-Dibromoethane	11.018	107	29380	19.931 ug/l	99
64) Tetrachloroethene	10.646	164	39902	18.715 ug/l	97
65) Chlorobenzene	11.438	112	122617	19.347 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	42870	19.781 ug/l	98
67) Ethyl Benzene	11.518	91	226042	19.332 ug/l	99
68) m/p-Xylenes	11.627	106	166597	38.321 ug/l	99
69) o-Xylene	11.957	106	77614	19.134 ug/l	96
70) Styrene	11.969	104	131983	19.475 ug/l	99
71) Bromoform	12.133	173	24420	20.042 ug/l #	100
73) Isopropylbenzene	12.255	105	212024	19.063 ug/l	100
74) N-amyl acetate	12.072	43	50923	19.564 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	36238	20.073 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	26707m	20.172 ug/l	
77) Bromobenzene	12.536	156	46315	19.117 ug/l	97
78) n-propylbenzene	12.597	91	254635	19.003 ug/l	99
79) 2-Chlorotoluene	12.682	91	145409	19.287 ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	172109	19.071 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12641	20.041 ug/l	98
82) 4-Chlorotoluene	12.780	91	149033	19.054 ug/l	100
83) tert-Butylbenzene	12.999	119	154550	18.910 ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	170656	19.278 ug/l	99
85) sec-Butylbenzene	13.176	105	224573	18.898 ug/l	100
86) p-Isopropyltoluene	13.292	119	184653	18.847 ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	91457	19.123 ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	89466	18.888 ug/l	98
89) n-Butylbenzene	13.621	91	175462	18.896 ug/l	100
90) Hexachloroethane	13.883	117	37311	19.216 ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	80206	19.356 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5613	19.150 ug/l	98
93) 1,2,4-Trichlorobenzene	14.926	180	46722	18.641 ug/l	98
94) Hexachlorobutadiene	15.029	225	29648	18.095 ug/l	99
95) Naphthalene	15.145	128	83096	19.338 ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	39852	18.819 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020626.D
Acq On : 18 Dec 2024 11:19
Operator : SY/MD
Sample : VY1218SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 14:21:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

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

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

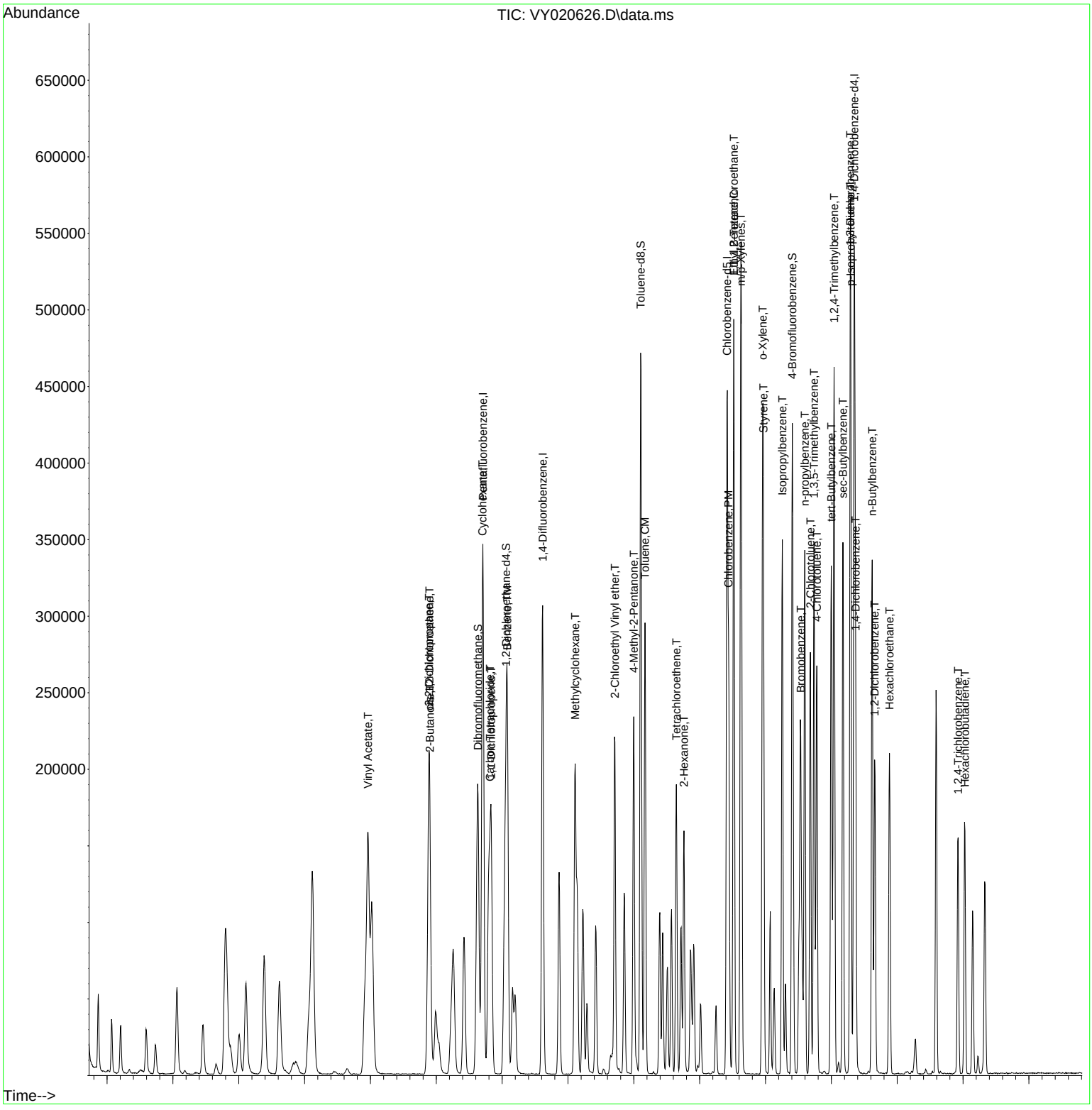
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020626.D
Acq On : 18 Dec 2024 11:19
Operator : SY/MD
Sample : VY1218SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 18 14:21:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020627.D
Acq On : 18 Dec 2024 11:42
Operator : SY/MD
Sample : VY1218SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 14:21:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBSD01

Manual Integrations APPROVED
Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	153098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	244096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	214944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	120747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	86732	51.726	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.460%			
35) Dibromofluoromethane	7.634	113	86233	50.126	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.260%			
50) Toluene-d8	10.103	98	310144	51.507	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.020%			
62) 4-Bromofluorobenzene	12.402	95	113747	48.292	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	38435	20.099	ug/l	97
3) Chloromethane	2.074	50	26666	18.820	ug/l	98
4) Vinyl Chloride	2.208	62	25628	19.433	ug/l	95
5) Bromomethane	2.592	94	17707	20.888	ug/l	100
6) Chloroethane	2.739	64	16084	19.737	ug/l	100
7) Trichlorofluoromethane	3.062	101	54495	19.749	ug/l	97
8) Diethyl Ether	3.458	74	18841	19.469	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	38613	19.522	ug/l	100
10) Methyl Iodide	4.007	142	45735	20.769	ug/l	100
11) Tert butyl alcohol	4.860	59	18625	82.982	ug/l #	86
12) 1,1-Dichloroethene	3.793	96	36924	19.240	ug/l	96
13) Acrolein	3.659	56	8392	105.846	ug/l	98
14) Allyl chloride	4.385	41	71890	21.378	ug/l	99
15) Acrylonitrile	5.068	53	47243	102.042	ug/l	100
16) Acetone	3.873	43	32300	92.921	ug/l	95
17) Carbon Disulfide	4.104	76	128006	20.491	ug/l	99
18) Methyl Acetate	4.397	43	24304	21.304	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	105197	21.238	ug/l	99
20) Methylene Chloride	4.622	84	43686	20.955	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	43916	20.400	ug/l	96
22) Diisopropyl ether	6.019	45	148554	21.763	ug/l	95
23) Vinyl Acetate	5.964	43	408423	105.645	ug/l	99
24) 1,1-Dichloroethane	5.921	63	85392	21.354	ug/l	98
25) 2-Butanone	6.896	43	60654	97.337	ug/l	100
26) 2,2-Dichloropropane	6.890	77	70010	18.520	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	51600	20.834	ug/l	99
28) Bromochloromethane	7.250	49	24611	18.246	ug/l	100
29) Tetrahydrofuran	7.262	42	40544	103.068	ug/l	99
30) Chloroform	7.421	83	88937	18.850	ug/l	98
31) Cyclohexane	7.701	56	76241	19.940	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	76355	20.784	ug/l	100
36) 1,1-Dichloropropene	7.835	75	62499	19.924	ug/l	99
37) Ethyl Acetate	6.988	43	28092	19.038	ug/l	99
38) Carbon Tetrachloride	7.817	117	69992	20.167	ug/l	95
39) Methylcyclohexane	9.110	83	79720	19.499	ug/l	98
40) Benzene	8.079	78	190548	20.723	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020627.D
Acq On : 18 Dec 2024 11:42
Operator : SY/MD
Sample : VY1218SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 14:21:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.232	41	15591	19.986 ug/l #	92
42) 1,2-Dichloroethane	8.158	62	50556	20.731 ug/l	100
43) Isopropyl Acetate	8.201	43	56566	20.249 ug/l #	88
44) Trichloroethene	8.866	130	46762	20.697 ug/l	94
45) 1,2-Dichloropropane	9.140	63	44913	20.900 ug/l	93
46) Dibromomethane	9.231	93	23137	20.372 ug/l	99
47) Bromodichloromethane	9.420	83	64097	20.894 ug/l	96
48) Methyl methacrylate	9.219	41	26036	19.605 ug/l	97
49) 1,4-Dioxane	9.231	88	4955	380.438 ug/l #	96
51) 4-Methyl-2-Pentanone	9.993	43	143998	97.658 ug/l	100
52) Toluene	10.170	92	116834	20.446 ug/l	97
53) t-1,3-Dichloropropene	10.396	75	59267	20.733 ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	69750	20.591 ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	31492	20.973 ug/l	99
56) Ethyl methacrylate	10.439	69	44249	20.313 ug/l	99
57) 1,3-Dichloropropane	10.719	76	55078	20.577 ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	96709	105.511 ug/l	100
59) 2-Hexanone	10.762	43	93397	98.655 ug/l	100
60) Dibromochloromethane	10.908	129	41457	20.645 ug/l	97
61) 1,2-Dibromoethane	11.012	107	28993	20.758 ug/l	100
64) Tetrachloroethene	10.646	164	40481	20.022 ug/l	92
65) Chlorobenzene	11.438	112	122990	20.464 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.512	131	44028	21.424 ug/l	100
67) Ethyl Benzene	11.518	91	224839	20.278 ug/l	99
68) m/p-Xylenes	11.627	106	167194	40.556 ug/l	100
69) o-Xylene	11.957	106	79188	20.587 ug/l	99
70) Styrene	11.969	104	134103	20.867 ug/l	99
71) Bromoform	12.133	173	23868	20.657 ug/l #	100
73) Isopropylbenzene	12.255	105	212192	20.138 ug/l	100
74) N-amyl acetate	12.066	43	49369	20.020 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	35934	21.009 ug/l	96
76) 1,2,3-Trichloropropane	12.554	75	25214m	20.102 ug/l	
77) Bromobenzene	12.530	156	47727	20.794 ug/l	98
78) n-propylbenzene	12.597	91	256750	20.224 ug/l	100
79) 2-Chlorotoluene	12.676	91	145869	20.423 ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	174821	20.447 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11485	19.219 ug/l	98
82) 4-Chlorotoluene	12.780	91	152691	20.606 ug/l	99
83) tert-Butylbenzene	12.999	119	159815	20.640 ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	171781	20.483 ug/l	99
85) sec-Butylbenzene	13.176	105	227197	20.180 ug/l	100
86) p-Isopropyltoluene	13.292	119	188392	20.296 ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	91586	20.214 ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	91045	20.289 ug/l	98
89) n-Butylbenzene	13.621	91	174537	19.840 ug/l	99
90) Hexachloroethane	13.883	117	37017	20.123 ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	81563	20.777 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5446	19.612 ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	47095	19.833 ug/l	99
94) Hexachlorobutadiene	15.023	225	30799	19.841 ug/l	99
95) Naphthalene	15.145	128	81118	19.926 ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	40302	20.088 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020627.D
Acq On : 18 Dec 2024 11:42
Operator : SY/MD
Sample : VY1218SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 14:21:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024

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

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

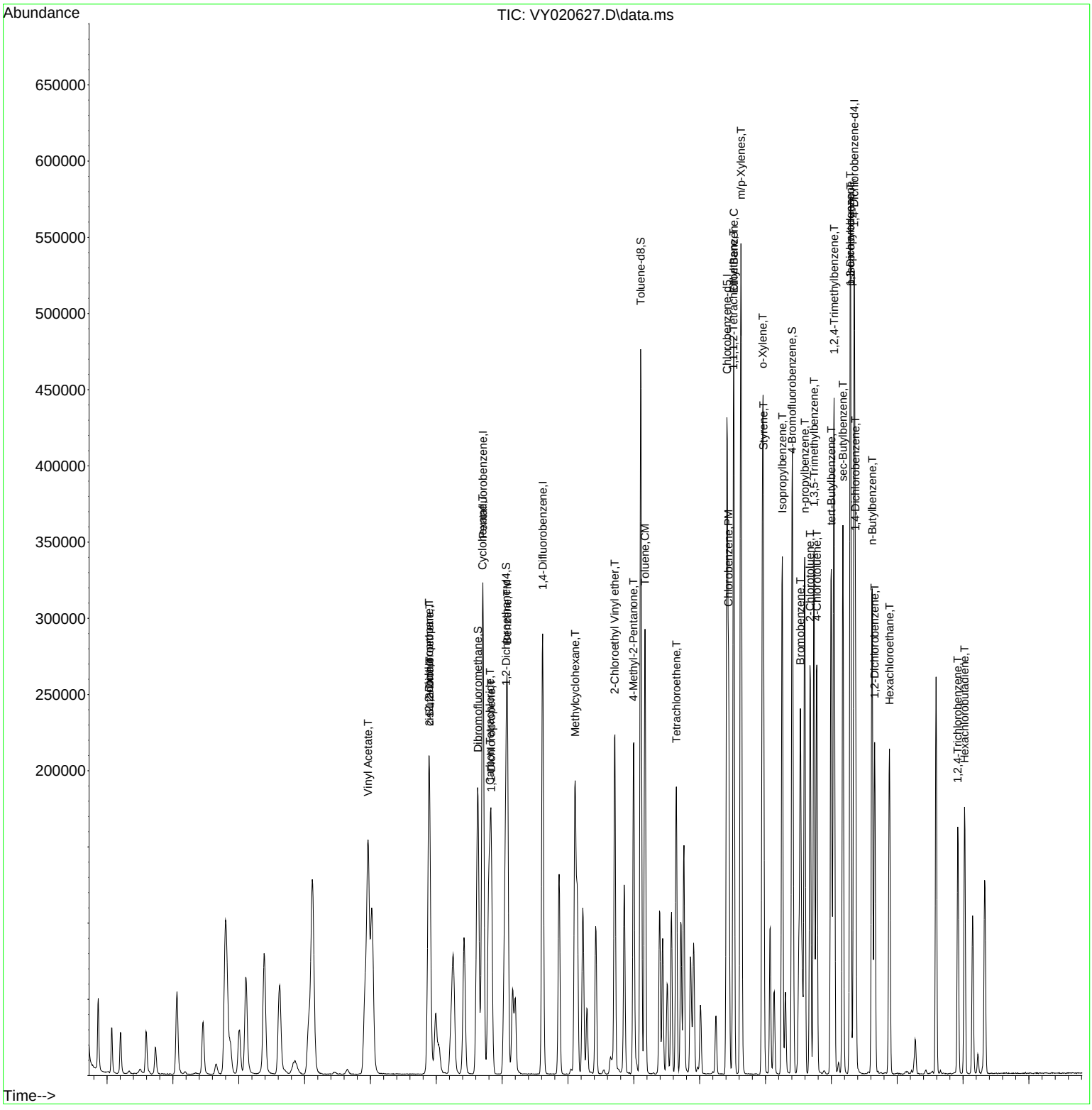
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121824\
Data File : VY020627.D
Acq On : 18 Dec 2024 11:42
Operator : SY/MD
Sample : VY1218SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 18 14:21:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 18 05:27:13 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1218SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 12/19/2024
Supervised By :Semsettin Yesilyurt 12/19/2024



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Manual Integration Report

Sequence:	VY121724	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC010	VY020613.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:36:29 AM	SAM	12/18/2024 8:50:42 AM	Peak Integrated by Software
VSTDICC020	VY020614.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:36:31 AM	SAM	12/18/2024 8:50:43 AM	Peak Integrated by Software
VSTDICCC050	VY020615.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:36:34 AM	SAM	12/18/2024 8:50:47 AM	Peak Integrated by Software
VSTDICC100	VY020616.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:36:37 AM	SAM	12/18/2024 8:50:48 AM	Peak Integrated by Software
VSTDICC150	VY020617.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:36:38 AM	SAM	12/18/2024 8:50:50 AM	Peak Integrated by Software
VSTDICC005	VY020619.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:36:41 AM	SAM	12/18/2024 8:50:52 AM	Peak Integrated by Software
VSTDICC005	VY020619.D	Methacrylonitrile	MMDadoda	12/18/2024 8:36:41 AM	SAM	12/18/2024 8:50:52 AM	Peak Integrated by Software
VSTDICV050	VY020620.D	1,2,3-Trichloropropane	Romaben	12/18/2024 8:31:07 AM	MMDadoda	12/18/2024 8:36:43 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY121824	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VY020623.D	1,2,3-Trichloropropane	Romaben	12/19/2024 9:18:44 AM	SAM	12/19/2024 2:49:07 PM	Peak Integrated by Software
VSTDCCC050	VY020624.D	1,2,3-Trichloropropane	Romaben	12/19/2024 9:18:47 AM	SAM	12/19/2024 2:49:08 PM	Peak Integrated by Software
VY1218SBS01	VY020626.D	1,2,3-Trichloropropane	Romaben	12/19/2024 9:18:51 AM	SAM	12/19/2024 2:49:10 PM	Peak Integrated by Software
VY1218SBSD01	VY020627.D	1,2,3-Trichloropropane	Romaben	12/19/2024 9:18:54 AM	SAM	12/19/2024 2:49:10 PM	Peak Integrated by Software
VSTDCCC050	VY020643.D	1,2,3-Trichloropropane	Romaben	12/19/2024 9:18:40 AM	SAM	12/19/2024 2:49:13 PM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121724

Review By	Mahesh Dadoda	Review On	12/18/2024 8:38:34 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/18/2024 8:51:04 AM		
SubDirectory	VY121724	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132182
Initial Calibration Stds	VP132183,VP132184,VP132185,VP132186,VP132187,VP132188
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132189
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020611.D	17 Dec 2024 09:00	SY/MD	Ok
2	VSTDICC005	VY020612.D	17 Dec 2024 09:38	SY/MD	Ok
3	VSTDICC010	VY020613.D	17 Dec 2024 10:01	SY/MD	Ok,M
4	VSTDICC020	VY020614.D	17 Dec 2024 10:23	SY/MD	Ok,M
5	VSTDICCC050	VY020615.D	17 Dec 2024 10:51	SY/MD	Ok,M
6	VSTDICC100	VY020616.D	17 Dec 2024 11:14	SY/MD	Ok,M
7	VSTDICC150	VY020617.D	17 Dec 2024 11:37	SY/MD	Ok,M
8	VIBLK	VY020618.D	17 Dec 2024 12:24	SY/MD	Ok
9	VSTDICC005	VY020619.D	17 Dec 2024 14:51	SY/MD	Ok,M
10	VSTDICV050	VY020620.D	17 Dec 2024 17:41	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121824

Review By	Mahesh Dadoda	Review On	12/19/2024 2:48:41 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/19/2024 2:49:14 PM		
SubDirectory	VY121824	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132202
Initial Calibration Stds	
CCC	VP132203,VP132204
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020622.D	18 Dec 2024 08:46	SY/MD	Ok
2	VSTDICV050	VY020623.D	18 Dec 2024 09:43	SY/MD	Ok,M
3	VSTDCCC050	VY020624.D	18 Dec 2024 10:06	SY/MD	Ok,M
4	VY1218SBL01	VY020625.D	18 Dec 2024 10:52	SY/MD	Ok
5	VY1218SBS01	VY020626.D	18 Dec 2024 11:19	SY/MD	Ok,M
6	VY1218SBSD01	VY020627.D	18 Dec 2024 11:42	SY/MD	Ok,M
7	P5277-01	VY020628.D	18 Dec 2024 12:05	SY/MD	Not Ok
8	P5277-02	VY020629.D	18 Dec 2024 12:33	SY/MD	Ok
9	P5277-03	VY020630.D	18 Dec 2024 12:57	SY/MD	Ok
10	P5287-01	VY020631.D	18 Dec 2024 13:20	SY/MD	Ok
11	P5287-03	VY020632.D	18 Dec 2024 13:44	SY/MD	Ok
12	P5312-03	VY020633.D	18 Dec 2024 14:07	SY/MD	ReRun
13	P5312-01	VY020634.D	18 Dec 2024 14:30	SY/MD	ReRun
14	P5299-04	VY020635.D	18 Dec 2024 14:54	SY/MD	Ok
15	P5301-03	VY020636.D	18 Dec 2024 15:17	SY/MD	ReRun
16	P5277-02	VY020637.D	18 Dec 2024 15:41	SY/MD	Not Ok
17	P5301-01	VY020638.D	18 Dec 2024 16:04	SY/MD	Ok
18	P5299-02	VY020639.D	18 Dec 2024 16:27	SY/MD	Ok
19	P5299-03	VY020640.D	18 Dec 2024 16:51	SY/MD	Ok
20	P5279-03	VY020641.D	18 Dec 2024 17:14	SY/MD	Not Ok
21	P5299-01	VY020642.D	18 Dec 2024 17:38	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121824

Review By	Mahesh Dadoda	Review On	12/19/2024 2:48:41 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/19/2024 2:49:14 PM		
SubDirectory	VY121824	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132202
Initial Calibration Stds	
CCC	VP132203,VP132204
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY020643.D	18 Dec 2024 18:00	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121724

Review By	Mahesh Dadoda	Review On	12/18/2024 8:38:34 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/18/2024 8:51:04 AM		
SubDirectory	VY121724	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132182
Initial Calibration Stds	VP132183,VP132184,VP132185,VP132186,VP132187,VP132188
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP132189
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020611.D	17 Dec 2024 09:00		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020612.D	17 Dec 2024 09:38		SY/MD	Ok
3	VSTDICC010	VSTDICC010	VY020613.D	17 Dec 2024 10:01	Com #16,30 on LR	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020614.D	17 Dec 2024 10:23	Com #11 on QR	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY020615.D	17 Dec 2024 10:51	Com #13 fail for method	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY020616.D	17 Dec 2024 11:14		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY020617.D	17 Dec 2024 11:37		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020618.D	17 Dec 2024 12:24		SY/MD	Ok
9	VSTDICC005	VSTDICC005	VY020619.D	17 Dec 2024 14:51	%D fail for com #11	SY/MD	Ok,M
10	VSTDICV050	ICVVY121724	VY020620.D	17 Dec 2024 17:41	ICV fail for com #11,16	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121824

Review By	Mahesh Dadoda	Review On	12/19/2024 2:48:41 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/19/2024 2:49:14 PM		
SubDirectory	VY121824	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132202
Initial Calibration Stds	
CCC	VP132203,VP132204
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020622.D	18 Dec 2024 08:46		SY/MD	Ok
2	VSTDICV050	ICVVY121824	VY020623.D	18 Dec 2024 09:43		SY/MD	Ok,M
3	VSTDCCC050	VSTDCCC050	VY020624.D	18 Dec 2024 10:06		SY/MD	Ok,M
4	VY1218SBL01	VY1218SBL01	VY020625.D	18 Dec 2024 10:52		SY/MD	Ok
5	VY1218SBS01	VY1218SBS01	VY020626.D	18 Dec 2024 11:19		SY/MD	Ok,M
6	VY1218SBSD01	VY1218SBSD01	VY020627.D	18 Dec 2024 11:42		SY/MD	Ok,M
7	P5277-01	COMP-1A	VY020628.D	18 Dec 2024 12:05	vial-A Not purged	SY/MD	Not Ok
8	P5277-02	COMP-2A	VY020629.D	18 Dec 2024 12:33	vial-A	SY/MD	Ok
9	P5277-03	COMP-3A	VY020630.D	18 Dec 2024 12:57	vial-A	SY/MD	Ok
10	P5287-01	STONES-A	VY020631.D	18 Dec 2024 13:20	vial-A	SY/MD	Ok
11	P5287-03	STONES-B	VY020632.D	18 Dec 2024 13:44	vial-A	SY/MD	Ok
12	P5312-03	CONCRETE-VNJ-222	VY020633.D	18 Dec 2024 14:07	vial-A Surrogate Fail	SY/MD	ReRun
13	P5312-01	SOIL-VNJ-222	VY020634.D	18 Dec 2024 14:30	vial-A Internal Standard Fail	SY/MD	ReRun
14	P5299-04	SB-02	VY020635.D	18 Dec 2024 14:54	vial-A	SY/MD	Ok
15	P5301-03	HR-04-121624	VY020636.D	18 Dec 2024 15:17	vial-A Internal Standard Fail	SY/MD	ReRun
16	P5277-02	COMP-2A	VY020637.D	18 Dec 2024 15:41	vial-B NOT PURGE	SY/MD	Not Ok
17	P5301-01	HR-01-121624	VY020638.D	18 Dec 2024 16:04	vial-B	SY/MD	Ok
18	P5299-02	SB-02	VY020639.D	18 Dec 2024 16:27	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY121824

Review By	Mahesh Dadoda	Review On	12/19/2024 2:48:41 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/19/2024 2:49:14 PM		
SubDirectory	VY121824	HP Acquire Method		HP Processing Method	82y121724s.m

STD. NAME	STD REF.#
Tune/Reschk	VP132202
Initial Calibration Stds	
CCC	VP132203,VP132204
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5299-03	SB-01	VY020640.D	18 Dec 2024 16:51	vial-A	SY/MD	Ok
20	P5279-03	ROCKAWAY-PARK	VY020641.D	18 Dec 2024 17:14	vial-A NOT PURGE	SY/MD	Not Ok
21	P5299-01	SB-01	VY020642.D	18 Dec 2024 17:38	vial-A	SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY020643.D	18 Dec 2024 18:00		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	P5299	**OrderDate:**	12/16/2024 12:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5299-01	**SB-01**	**SOIL**			**12/14/24**			**12/16/24**
			VOC-TCLVOA-10	8260D			12/18/24	
P5299-02	**SB-02**	**SOIL**			**12/15/24**			**12/16/24**
			VOC-TCLVOA-10	8260D			12/18/24	
P5299-03	**SB-01**	**SOIL**			**12/15/24**			**12/16/24**
			VOC-TCLVOA-10	8260D			12/18/24	
P5299-04	**SB-02**	**SOIL**			**12/15/24**			**12/16/24**
			VOC-TCLVOA-10	8260D			12/18/24	

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Hit Summary Sheet
SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : SB-01									
P5299-01	SB-01	SOIL	5-Eicosene, (E)-	*	250.000	J	0	0	ug/Kg
P5299-01	SB-01	SOIL	Benzophenone	*	320.000	J	0	0	ug/Kg
P5299-01	SB-01	SOIL	n-Hexadecanoic acid	*	230.000	J	0	0	ug/Kg
			Total Tics :		**800.00**				
			Total Concentration:		**800.00**				
Client ID : SB-02									
P5299-02	SB-02	SOIL	1-Octadecanesulphonyl chloride	*	110.000	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Benzophenone	*	410.000	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Decane, 2,6,7-trimethyl-	*	92.200	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	n-Hexadecanoic acid	*	490.000	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	n-Tetracosanol-1	*	460.000	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Octadecanoic acid	*	120.000	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Pentadecane	*	93.500	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Tetradecane	*	270.000	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Tridecane	*	170.000	J	0	0	ug/Kg
			Total Tics :		**2,215.70**				
			Total Concentration:		**2,215.70**				
Client ID : SB-01									
P5299-03	SB-01	SOIL	Tetradecane	*	2,200.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Tridecane	*	940.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Tridecane, 3-methyl-	*	200.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Tridecane, 6-methyl-	*	360.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Undecane, 2,6-dimethyl-	*	100.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	unknown8.404	*	280.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	2,6,10-Trimethyltridecane	*	870.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	2-Bromo dodecane	*	280.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	5-Eicosene, (E)-	*	350.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	6-Octadecenoic acid, (Z)-	*	210.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Benzophenone	*	390.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Decane	*	110.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Dodecane, 2,6,10-trimethyl-	*	650.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Dodecane, 2-methyl-	*	110.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Dodecane, 4,6-dimethyl-	*	350.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Hexadecane	*	200.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	n-Hexadecanoic acid	*	920.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Octacosane, 2-methyl-	*	170.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P5299-03	SB-01	SOIL	Octadecanoic acid	*	380.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Pentadecane	*	920.000	J	0	0	ug/Kg
			Total Tics :		**9,990.00**				
			Total Concentration:		**9,990.00**				
Client ID : SB-02									
P5299-04	SB-02	SOIL	1-Nonadecene	*	450.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	9-Octadecenoic acid, (E)-	*	110.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Benzophenone	*	360.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Cyclohexane, 1,1-(1,4-butanediyl)	*	170.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Dodecane, 2,6,10-trimethyl-	*	310.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Eicosane	*	120.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Heptadecane	*	110.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Hexacosane	*	190.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Hexadecane	*	350.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	n-Hexadecanoic acid	*	890.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Nonadecane, 2-methyl-	*	100.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Nonane, 2,6-dimethyl-	*	260.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Octadecanoic acid	*	490.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Tetradecane	*	930.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	trans-Sinapyl alcohol	*	110.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Tridecane	*	440.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Tritetracontane	*	370.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Undecane, 2,6-dimethyl-	*	130.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	unknown7.634	*	110.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	unknown8.987	*	130.000	J	0	0	ug/Kg
			Total Tics :		**6,130.00**				
			Total Concentration:		**6,130.00**				

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140999.D	1	12/18/24 08:56	12/27/24 16:29	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230	U	230	420	ug/Kg
108-95-2	Phenol	110	U	110	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	220	ug/Kg
95-48-7	2-Methylphenol	100	U	100	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	220	ug/Kg
98-86-2	Acetophenone	110	U	110	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.3	U	51.3	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	220	ug/Kg
78-59-1	Isophorone	110	U	110	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	220	ug/Kg
120-83-2	2,4-Dichlorophenol	96.1	U	96.1	220	ug/Kg
91-20-3	Naphthalene	110	U	110	220	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	220	ug/Kg
105-60-2	Caprolactam	110	U	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	98.6	U	98.6	220	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	90.8	U	90.8	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.1	U	94.1	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	220	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	220	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140999.D	1	12/18/24 08:56	12/27/24 16:29	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	220	ug/Kg
99-09-2	3-Nitroaniline	110	UQ	110	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	220	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	220	ug/Kg
84-66-2	Diethylphthalate	100	U	100	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	220	ug/Kg
86-73-7	Fluorene	110	U	110	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	220	ug/Kg
1912-24-9	Atrazine	120	U	120	220	ug/Kg
87-86-5	Pentachlorophenol	98.3	U	98.3	420	ug/Kg
85-01-8	Phenanthrene	110	U	110	220	ug/Kg
120-12-7	Anthracene	110	U	110	220	ug/Kg
86-74-8	Carbazole	100	U	100	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	220	ug/Kg
206-44-0	Fluoranthene	100	U	100	220	ug/Kg
129-00-0	Pyrene	110	U	110	220	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	UQ	130	420	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	220	ug/Kg
218-01-9	Chrysene	100	U	100	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	220	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140999.D	1	12/18/24 08:56	12/27/24 16:29	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	110	U	110	220	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	99.4	U	99.4	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.0	U	95.0	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.5		30 (18) - 130 (112)	52%	SPK: 150
13127-88-3	Phenol-d6	79.6		30 (15) - 130 (107)	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.6		30 (18) - 130 (107)	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.1		30 (20) - 130 (109)	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.6		30 (10) - 130 (116)	58%	SPK: 150
1718-51-0	Terphenyl-d14	53.0		30 (10) - 130 (105)	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	255000	6.822			
1146-65-2	Naphthalene-d8	1020000	8.104			
15067-26-2	Acenaphthene-d10	546000	9.857			
1517-22-2	Phenanthrene-d10	930000	11.339			
1719-03-5	Chrysene-d12	608000	13.98			
1520-96-3	Perylene-d12	541000	15.451			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	320	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	230	J		11.9	ug/Kg
074685-30-6	5-Eicosene, (E)-	250	J		13.8	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140999.D	1	12/18/24 08:56	12/27/24 16:29	PB165705

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140998.D	1	12/18/24 08:56	12/27/24 16:03	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	240	U	240	440	ug/Kg
108-95-2	Phenol	110	U	110	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	230	ug/Kg
95-48-7	2-Methylphenol	110	U	110	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	230	ug/Kg
98-86-2	Acetophenone	120	U	120	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.3	U	53.3	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	230	ug/Kg
78-59-1	Isophorone	110	U	110	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	230	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	230	ug/Kg
120-83-2	2,4-Dichlorophenol	99.9	U	99.9	230	ug/Kg
91-20-3	Naphthalene	110	U	110	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	230	ug/Kg
105-60-2	Caprolactam	110	U	110	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	94.5	U	94.5	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	97.9	U	97.9	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	230	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140998.D	1	12/18/24 08:56	12/27/24 16:03	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	230	ug/Kg
99-09-2	3-Nitroaniline	120	UQ	120	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	230	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	320	440	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	440	ug/Kg
132-64-9	Dibenzofuran	110	U	110	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	230	ug/Kg
84-66-2	Diethylphthalate	110	U	110	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	230	ug/Kg
86-73-7	Fluorene	110	U	110	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	230	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	230	ug/Kg
1912-24-9	Atrazine	120	U	120	230	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	440	ug/Kg
85-01-8	Phenanthrene	110	U	110	230	ug/Kg
120-12-7	Anthracene	110	U	110	230	ug/Kg
86-74-8	Carbazole	110	U	110	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	230	ug/Kg
206-44-0	Fluoranthene	110	U	110	230	ug/Kg
129-00-0	Pyrene	110	U	110	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	UQ	130	440	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	230	ug/Kg
218-01-9	Chrysene	110	U	110	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	230	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140998.D	1	12/18/24 08:56	12/27/24 16:03	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	110	U	110	230	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	98.9	U	98.9	230	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		30 (18) - 130 (112)	70%	SPK: 150
13127-88-3	Phenol-d6	103		30 (15) - 130 (107)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.9		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.8		30 (20) - 130 (109)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	117		30 (10) - 130 (116)	78%	SPK: 150
1718-51-0	Terphenyl-d14	73.6		30 (10) - 130 (105)	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	249000	6.822			
1146-65-2	Naphthalene-d8	990000	8.104			
15067-26-2	Acenaphthene-d10	533000	9.857			
1517-22-2	Phenanthrene-d10	920000	11.339			
1719-03-5	Chrysene-d12	611000	13.98			
1520-96-3	Perylene-d12	533000	15.445			
TENTATIVE IDENTIFIED COMPOUNDS						
062108-25-2	Decane, 2,6,7-trimethyl-	92.2	J		8.53	ug/Kg
000629-50-5	Tridecane	170	J		8.70	ug/Kg
000629-59-4	Tetradecane	270	J		9.26	ug/Kg
1000342-70-4	1-Octadecanesulphonyl chloride	110	J		9.58	ug/Kg
000629-62-9	Pentadecane	93.5	J		9.79	ug/Kg
000119-61-9	Benzophenone	410	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	490	J		11.9	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140998.D	1	12/18/24 08:56	12/27/24 16:03	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000057-11-4	Octadecanoic acid	120	J		12.7	ug/Kg
000506-51-4	n-Tetracosanol-1	460	J		13.8	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	68.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140997.D	1	12/18/24 08:56	12/27/24 15:26	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	260	U	260	480	ug/Kg
108-95-2	Phenol	120	U	120	250	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	250	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	250	ug/Kg
95-48-7	2-Methylphenol	120	U	120	250	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	250	ug/Kg
98-86-2	Acetophenone	130	U	130	250	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	480	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.4	U	58.4	120	ug/Kg
67-72-1	Hexachloroethane	120	U	120	250	ug/Kg
98-95-3	Nitrobenzene	130	U	130	250	ug/Kg
78-59-1	Isophorone	120	U	120	250	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	250	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	250	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	250	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	250	ug/Kg
91-20-3	Naphthalene	120	U	120	250	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	250	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	250	ug/Kg
105-60-2	Caprolactam	130	U	130	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	250	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	230	U	230	480	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	250	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	250	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	250	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	250	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	250	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	68.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140997.D	1	12/18/24 08:56	12/27/24 15:26	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	130	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	250	ug/Kg
99-09-2	3-Nitroaniline	130	UQ	130	250	ug/Kg
83-32-9	Acenaphthene	120	U	120	250	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	350	480	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	480	ug/Kg
132-64-9	Dibenzofuran	120	U	120	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	250	ug/Kg
84-66-2	Diethylphthalate	120	U	120	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	250	ug/Kg
86-73-7	Fluorene	120	U	120	250	ug/Kg
100-01-6	4-Nitroaniline	160	U	160	250	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	U	170	480	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	250	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	250	ug/Kg
1912-24-9	Atrazine	130	U	130	250	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	480	ug/Kg
85-01-8	Phenanthrene	120	U	120	250	ug/Kg
120-12-7	Anthracene	120	U	120	250	ug/Kg
86-74-8	Carbazole	120	U	120	250	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	250	ug/Kg
206-44-0	Fluoranthene	120	U	120	250	ug/Kg
129-00-0	Pyrene	120	U	120	250	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	UQ	140	480	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	250	ug/Kg
218-01-9	Chrysene	120	U	120	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	250	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	480	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	U	120	250	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	68.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140997.D	1	12/18/24 08:56	12/27/24 15:26	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	120	U	120	250	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	250	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	250	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	149		30 (18) - 130 (112)	99%	SPK: 150
13127-88-3	Phenol-d6	144		30 (15) - 130 (107)	96%	SPK: 150
4165-60-0	Nitrobenzene-d5	125		30 (18) - 130 (107)	125%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.3		30 (20) - 130 (109)	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172		30 (10) - 130 (116)	115%	SPK: 150
1718-51-0	Terphenyl-d14	82.8		30 (10) - 130 (105)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	239000	6.828			
1146-65-2	Naphthalene-d8	956000	8.104			
15067-26-2	Acenaphthene-d10	516000	9.857			
1517-22-2	Phenanthrene-d10	914000	11.339			
1719-03-5	Chrysene-d12	692000	13.974			
1520-96-3	Perylene-d12	585000	15.433			
TENTATIVE IDENTIFIED COMPOUNDS						
000124-18-5	Decane	110	J		6.66	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	100	J		8.17	ug/Kg
	unknown8.404	280	J		8.40	ug/Kg
001560-97-0	Dodecane, 2-methyl-	110	J		8.49	ug/Kg
061141-72-8	Dodecane, 4,6-dimethyl-	350	J		8.53	ug/Kg
000629-50-5	Tridecane	940	J		8.70	ug/Kg
001560-98-1	Octacosane, 2-methyl-	170	J		8.79	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	68.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140997.D	1	12/18/24 08:56	12/27/24 15:26	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013287-21-3	Tridecane, 6-methyl-	360	J		8.99	ug/Kg
013187-99-0	2-Bromo dodecane	280	J		9.06	ug/Kg
006418-41-3	Tridecane, 3-methyl-	200	J		9.10	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	650	J		9.13	ug/Kg
000629-59-4	Tetradecane	2200	J		9.26	ug/Kg
003891-99-4	2,6,10-Trimethyltridecane	870	J		9.58	ug/Kg
000629-62-9	Pentadecane	920	J		9.79	ug/Kg
000544-76-3	Hexadecane	200	J		10.3	ug/Kg
000119-61-9	Benzophenone	390	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	920	J		11.9	ug/Kg
000593-39-5	6-Octadecenoic acid, (Z)-	210	J		12.6	ug/Kg
000057-11-4	Octadecanoic acid	380	J		12.7	ug/Kg
074685-30-6	5-Eicosene, (E)-	350	J		13.8	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140996.D	1	12/18/24 08:56	12/27/24 15:00	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230	U	230	420	ug/Kg
108-95-2	Phenol	100	U	100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	210	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	210	ug/Kg
95-48-7	2-Methylphenol	100	U	100	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	210	ug/Kg
98-86-2	Acetophenone	110	U	110	210	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.7	U	50.7	100	ug/Kg
67-72-1	Hexachloroethane	100	U	100	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	210	ug/Kg
78-59-1	Isophorone	110	U	110	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	95.0	U	95.0	210	ug/Kg
91-20-3	Naphthalene	100	U	100	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	210	ug/Kg
105-60-2	Caprolactam	110	U	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.6	U	97.6	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.9	U	89.9	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.2	U	93.2	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	210	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140996.D	1	12/18/24 08:56	12/27/24 15:00	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	210	ug/Kg
99-09-2	3-Nitroaniline	110	UQ	110	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	210	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	210	ug/Kg
84-66-2	Diethylphthalate	100	U	100	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	210	ug/Kg
86-73-7	Fluorene	110	U	110	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	99.3	U	99.3	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	210	ug/Kg
1912-24-9	Atrazine	120	U	120	210	ug/Kg
87-86-5	Pentachlorophenol	97.3	U	97.3	420	ug/Kg
85-01-8	Phenanthrene	110	U	110	210	ug/Kg
120-12-7	Anthracene	110	U	110	210	ug/Kg
86-74-8	Carbazole	100	U	100	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	UQ	120	420	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	210	ug/Kg
218-01-9	Chrysene	100	U	100	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	210	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140996.D	1	12/18/24 08:56	12/27/24 15:00	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	100	U	100	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	98.3	U	98.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	94.0	U	94.0	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	148		30 (18) - 130 (112)	98%	SPK: 150
13127-88-3	Phenol-d6	148		30 (15) - 130 (107)	99%	SPK: 150
4165-60-0	Nitrobenzene-d5	125		30 (18) - 130 (107)	125%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.9		30 (20) - 130 (109)	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	174		30 (10) - 130 (116)	116%	SPK: 150
1718-51-0	Terphenyl-d14	94.4		30 (10) - 130 (105)	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	239000	6.822			
1146-65-2	Naphthalene-d8	934000	8.104			
15067-26-2	Acenaphthene-d10	502000	9.857			
1517-22-2	Phenanthrene-d10	863000	11.339			
1719-03-5	Chrysene-d12	558000	13.974			
1520-96-3	Perylene-d12	525000	15.433			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.634	110	J		7.63	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	130	J		8.17	ug/Kg
006165-44-2	Cyclohexane, 1,1-(1,4-butanediyl)	170	J		8.40	ug/Kg
017302-28-2	Nonane, 2,6-dimethyl-	260	J		8.53	ug/Kg
000629-50-5	Tridecane	440	J		8.70	ug/Kg
	unknown8.987	130	J		8.99	ug/Kg
001560-86-7	Nonadecane, 2-methyl-	100	J		9.06	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140996.D	1	12/18/24 08:56	12/27/24 15:00	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003891-98-3	Dodecane, 2,6,10-trimethyl-	310	J		9.13	ug/Kg
000629-59-4	Tetradecane	930	J		9.26	ug/Kg
007098-21-7	Tritetracontane	370	J		9.58	ug/Kg
000544-76-3	Hexadecane	350	J		9.79	ug/Kg
000629-78-7	Heptadecane	110	J		10.3	ug/Kg
000119-61-9	Benzophenone	360	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	890	J		11.9	ug/Kg
020675-96-1	trans-Sinapyl alcohol	110	J		12.0	ug/Kg
000112-79-8	9-Octadecenoic acid, (E)-	110	J		12.6	ug/Kg
000057-11-4	Octadecanoic acid	490	J		12.7	ug/Kg
018435-45-5	1-Nonadecene	450	J		13.8	ug/Kg
000630-01-3	Hexacosane	190	J		14.2	ug/Kg
000112-95-8	Eicosane	120	J		14.6	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

Alliance TECHNICAL GROUP
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Surrogate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P5299-01	SB-01	2-Fluorophenol	150	78.5	52		30 (18)	130 (112)
		Phenol-d6	150	79.6	53		30 (15)	130 (107)
		Nitrobenzene-d5	100	64.6	65		30 (18)	130 (107)
		2-Fluorobiphenyl	100	53.1	53		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	86.6	58		30 (10)	130 (116)
		Terphenyl-d14	100	53.0	53		30 (10)	130 (105)
P5299-02	SB-02	2-Fluorophenol	150	106	70		30 (18)	130 (112)
		Phenol-d6	150	103	69		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.9	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	70.8	71		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	117	78		30 (10)	130 (116)
		Terphenyl-d14	100	73.6	74		30 (10)	130 (105)
P5299-03	SB-01	2-Fluorophenol	150	149	99		30 (18)	130 (112)
		Phenol-d6	150	144	96		30 (15)	130 (107)
		Nitrobenzene-d5	100	125	125		30 (18)	130 (107)
		2-Fluorobiphenyl	100	89.3	89		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	172	115		30 (10)	130 (116)
		Terphenyl-d14	100	82.8	83		30 (10)	130 (105)
P5299-04	SB-02	2-Fluorophenol	150	148	98		30 (18)	130 (112)
		Phenol-d6	150	148	99		30 (15)	130 (107)
		Nitrobenzene-d5	100	125	125		30 (18)	130 (107)
		2-Fluorobiphenyl	100	91.9	92		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	174	116		30 (10)	130 (116)
		Terphenyl-d14	100	94.4	94		30 (10)	130 (105)
P5306-09MS	OU4-VSL-11-121224MS	2-Fluorophenol	150	131	88		30 (18)	130 (112)
		Phenol-d6	150	134	90		30 (15)	130 (107)
		Nitrobenzene-d5	100	89.0	89		30 (18)	130 (107)
		2-Fluorobiphenyl	100	84.0	84		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	122	82		30 (10)	130 (116)
		Terphenyl-d14	100	91.0	91		30 (10)	130 (105)
P5306-09MSD	OU4-VSL-11-121224MSD	2-Fluorophenol	150	142	95		30 (18)	130 (112)
		Phenol-d6	150	140	94		30 (15)	130 (107)
		Nitrobenzene-d5	100	89.7	90		30 (18)	130 (107)
		2-Fluorobiphenyl	100	86.8	87		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	134	90		30 (10)	130 (116)
		Terphenyl-d14	100	92.3	92		30 (10)	130 (105)
PB165705BL	PB165705BL	2-Fluorophenol	150	150	100		30 (18)	130 (112)
		Phenol-d6	150	153	102		30 (15)	130 (107)
		Nitrobenzene-d5	100	107	107		30 (18)	130 (107)
		2-Fluorobiphenyl	100	103	103		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	146	97		30 (10)	130 (116)
		Terphenyl-d14	100	110	110		30 (10)	130 (105)
PB165705BS	PB165705BS	2-Fluorophenol	150	143	96		30 (18)	130 (112)
		Phenol-d6	150	136	91		30 (15)	130 (107)
		Nitrobenzene-d5	100	91.6	92		30 (18)	130 (107)
		2-Fluorobiphenyl	100	105	105		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	135	90		30 (10)	130 (116)
		Terphenyl-d14	100	121	121		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P5306-09MS		**Client Sample ID: OU4-VSL-11-121224MS**						**DataFile:**	**BF140948.D**		
Benzaldehyde	1800	0	550	ug/Kg	31				20 (10)	160 (86)	
Phenol	1800	0	2000	ug/Kg	111				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1800	0	1900	ug/Kg	106				70 (54)	130 (125)	
2-Chlorophenol	1800	0	2000	ug/Kg	111				70 (79)	130 (107)	
2-Methylphenol	1800	0	1900	ug/Kg	106				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1800	0	1800	ug/Kg	100				70 (65)	130 (110)	
Acetophenone	1800	0	1900	ug/Kg	106				70 (75)	130 (111)	
3+4-Methylphenols	1800	0	2000	ug/Kg	111				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1800	0	1900	ug/Kg	106				70 (59)	130 (119)	
Hexachloroethane	1800	0	1700	ug/Kg	94				20 (65)	160 (117)	
Nitrobenzene	1800	0	1800	ug/Kg	100				70 (70)	130 (119)	
Isophorone	1800	0	1800	ug/Kg	100				70 (76)	130 (122)	
2-Nitrophenol	1800	0	2000	ug/Kg	111				70 (54)	130 (145)	
2,4-Dimethylphenol	1800	0	2300	ug/Kg	128				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100				70 (68)	130 (112)	
2,4-Dichlorophenol	1800	0	1900	ug/Kg	106				70 (72)	130 (118)	
Naphthalene	1800	0	1800	ug/Kg	100				70 (72)	130 (110)	
4-Chloroaniline	1800	0	810	ug/Kg	45	*			70 (10)	130 (91)	
Hexachlorobutadiene	1800	0	1600	ug/Kg	89				70 (66)	130 (114)	
Caprolactam	1800	0	2000	ug/Kg	111				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1800	0	1700	ug/Kg	94				70 (57)	130 (132)	
2-Methylnaphthalene	1800	0	1700	ug/Kg	94				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3500	0	1500	ug/Kg	43				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (117)	
1,1-Biphenyl	1800	0	1800	ug/Kg	100				70 (75)	130 (113)	
2-Chloronaphthalene	1800	0	1800	ug/Kg	100				70 (67)	130 (118)	
2-Nitroaniline	1800	0	1800	ug/Kg	100				70 (69)	130 (127)	
Dimethylphthalate	1800	0	1800	ug/Kg	100				70 (70)	130 (113)	
Acenaphthylene	1800	0	2000	ug/Kg	111				70 (79)	130 (118)	
2,6-Dinitrotoluene	1800	0	1800	ug/Kg	100				70 (70)	130 (125)	
3-Nitroaniline	1800	0	1100	ug/Kg	61	*			70 (30)	130 (99)	
Acenaphthene	1800	0	1900	ug/Kg	106				70 (70)	130 (121)	
2,4-Dinitrophenol	3500	0	3400	ug/Kg	97				20 (10)	160 (155)	
4-Nitrophenol	3500	0	3000	ug/Kg	86				20 (45)	160 (133)	
Dibenzofuran	1800	0	1900	ug/Kg	106				70 (72)	130 (110)	
2,4-Dinitrotoluene	1800	0	1900	ug/Kg	106				70 (55)	130 (128)	
Diethylphthalate	1800	0	1700	ug/Kg	94				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1800	0	1800	ug/Kg	100				70 (71)	130 (108)	
Fluorene	1800	0	1800	ug/Kg	100				70 (68)	130 (116)	
4-Nitroaniline	1800	0	1800	ug/Kg	100				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1800	0	2000	ug/Kg	111				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1800	0	2000	ug/Kg	111				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1800	0	1800	ug/Kg	100				70 (65)	130 (121)	
Hexachlorobenzene	1800	0	1800	ug/Kg	100				70 (67)	130 (118)	
Atrazine	1800	0	2200	ug/Kg	122				70 (79)	130 (127)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3500	0	2800	ug/Kg	80				20 (47)	160 (128)	
Phenanthrene	1800	0	2000	ug/Kg	111				70 (52)	130 (128)	
Anthracene	1800	0	1900	ug/Kg	106				70 (62)	130 (124)	
Carbazole	1800	0	1900	ug/Kg	106				70 (59)	130 (119)	
Di-n-butylphthalate	1800	0	1800	ug/Kg	100				70 (69)	130 (118)	
Fluoranthene	1800	0	1700	ug/Kg	94				70 (44)	130 (125)	
Pyrene	1800	0	2000	ug/Kg	111				70 (26)	130 (142)	
Butylbenzylphthalate	1800	0	1900	ug/Kg	106				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1800	0	1000	ug/Kg	56	*			70 (33)	130 (116)	
Benzo(a)anthracene	1800	0	1900	ug/Kg	106				70 (71)	130 (114)	
Chrysene	1800	0	1800	ug/Kg	100				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1800	0	1700	ug/Kg	94				70 (42)	130 (169)	
Di-n-octyl phthalate	1800	0	1500	ug/Kg	83				70 (23)	130 (175)	
Benzo(b)fluoranthene	1800	0	1700	ug/Kg	94				70 (67)	130 (121)	
Benzo(k)fluoranthene	1800	0	2000	ug/Kg	111				70 (57)	130 (134)	
Benzo(a)pyrene	1800	0	2000	ug/Kg	111				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1800	0	2400	ug/Kg	133	*			70 (40)	130 (129)	
Dibenz(a,h)anthracene	1800	0	2300	ug/Kg	128				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1800	0	2200	ug/Kg	122				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1800	0	1800	ug/Kg	100				70 (69)	130 (124)	
1,4-Dioxane	1800	0	1400	ug/Kg	78				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1800	0	1900	ug/Kg	106				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P5306-09MSD		**Client Sample ID: OU4-VSL-11-121224MSD**						**DataFile: BF140949.D**			
Benzaldehyde	1800	0	590	ug/Kg	33		6		20 (10)	160 (86)	30 (20)
Phenol	1800	0	2100	ug/Kg	117		5		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1800	0	1900	ug/Kg	106		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1800	0	2000	ug/Kg	111		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	1800	0	2000	ug/Kg	111		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1800	0	1900	ug/Kg	106		6		70 (65)	130 (110)	30 (20)
Acetophenone	1800	0	2000	ug/Kg	111		5		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1800	0	2000	ug/Kg	111		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1800	0	1900	ug/Kg	106		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	1800	0	1800	ug/Kg	100		6		20 (65)	160 (117)	30 (20)
Nitrobenzene	1800	0	1800	ug/Kg	100		0		70 (70)	130 (119)	30 (20)
Isophorone	1800	0	1900	ug/Kg	106		6		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1800	0	2000	ug/Kg	111		0		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1800	0	2300	ug/Kg	128		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1800	0	2000	ug/Kg	111		5		70 (72)	130 (118)	30 (20)
Naphthalene	1800	0	1900	ug/Kg	106		6		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1800	0	780	ug/Kg	43	*	5		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1800	0	1700	ug/Kg	94		5		70 (66)	130 (114)	30 (20)
Caprolactam	1800	0	2100	ug/Kg	117		5		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1800	0	1900	ug/Kg	106		12		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1800	0	1900	ug/Kg	106		12		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3600	0	1500	ug/Kg	42		2		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1800	0	1900	ug/Kg	106		6		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100		0		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1800	0	1900	ug/Kg	106		6		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1800	0	1800	ug/Kg	100		0		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1800	0	1900	ug/Kg	106		6		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1800	0	1900	ug/Kg	106		6		70 (70)	130 (113)	30 (20)
Acenaphthylene	1800	0	2100	ug/Kg	117		5		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1800	0	1800	ug/Kg	100		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1800	0	1100	ug/Kg	61	*	0		70 (30)	130 (99)	30 (20)
Acenaphthene	1800	0	2000	ug/Kg	111		5		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3600	0	3500	ug/Kg	97		0		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3600	0	2900	ug/Kg	81		6		20 (45)	160 (133)	30 (20)
Dibenzofuran	1800	0	1900	ug/Kg	106		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1800	0	1900	ug/Kg	106		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1800	0	1800	ug/Kg	100		6		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1800	0	1800	ug/Kg	100		0		70 (71)	130 (108)	30 (20)
Fluorene	1800	0	1900	ug/Kg	106		6		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1800	0	1800	ug/Kg	100		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1800	0	2200	ug/Kg	122		9		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1800	0	2100	ug/Kg	117		5		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1800	0	2000	ug/Kg	111		10		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1800	0	2000	ug/Kg	111		10		70 (67)	130 (118)	30 (20)
Atrazine	1800	0	2500	ug/Kg	139	*	13		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	3600	0	3000	ug/Kg	83		4		20 (47)	160 (128)	30 (20)
Phenanthrene	1800	0	2100	ug/Kg	117		5		70 (52)	130 (128)	30 (20)
Anthracene	1800	0	2200	ug/Kg	122		14		70 (62)	130 (124)	30 (20)
Carbazole	1800	0	2100	ug/Kg	117		10		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1800	0	1900	ug/Kg	106		6		70 (69)	130 (118)	30 (20)
Fluoranthene	1800	0	2000	ug/Kg	111		17		70 (44)	130 (125)	30 (20)
Pyrene	1800	0	2000	ug/Kg	111		0		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1800	0	1900	ug/Kg	106		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1800	0	1100	ug/Kg	61	*	9		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1800	0	1900	ug/Kg	106		0		70 (71)	130 (114)	30 (20)
Chrysene	1800	0	1900	ug/Kg	106		6		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1800	0	1800	ug/Kg	100		6		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1800	0	1600	ug/Kg	89		7		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106		12		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1800	0	2000	ug/Kg	111		0		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1800	0	2100	ug/Kg	117		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1800	0	2400	ug/Kg	133	*	0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1800	0	2400	ug/Kg	133	*	4		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1800	0	2200	ug/Kg	122		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1800	0	1900	ug/Kg	106		6		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1800	0	1700	ug/Kg	94		19		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1800	0	2000	ug/Kg	111		5		70 (69)	130 (112)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF140944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB165705BS	Benzaldehyde	1700	540	ug/Kg	32				20 (10)	160 (133)	
	Phenol	1700	1600	ug/Kg	94				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1700	ug/Kg	100				70 (60)	130 (101)	
	2-Chlorophenol	1700	1800	ug/Kg	106				70 (65)	130 (112)	
	2-Methylphenol	1700	1600	ug/Kg	94				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				70 (51)	130 (100)	
	Acetophenone	1700	1800	ug/Kg	106				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1700	ug/Kg	100				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1700	ug/Kg	100				70 (63)	130 (95)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1700	ug/Kg	100				70 (59)	130 (99)	
	2-Nitrophenol	1700	1800	ug/Kg	106				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	2100	ug/Kg	124				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1700	ug/Kg	100				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1800	ug/Kg	106				70 (62)	130 (107)	
	Naphthalene	1700	1600	ug/Kg	94				70 (62)	130 (100)	
	4-Chloroaniline	1700	1200	ug/Kg	71				70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				70 (53)	130 (98)	
	Caprolactam	1700	1700	ug/Kg	100				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1700	ug/Kg	100				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	2300	ug/Kg	70				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1600	ug/Kg	94				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1700	ug/Kg	100				70 (61)	130 (99)	
	Acenaphthylene	1700	1800	ug/Kg	106				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (61)	130 (104)	
	3-Nitroaniline	1700	1100	ug/Kg	65		*		70 (28)	130 (100)	
	Acenaphthene	1700	1800	ug/Kg	106				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2500	ug/Kg	76				20 (37)	160 (128)	
	4-Nitrophenol	3300	2400	ug/Kg	73				20 (48)	160 (119)	
	Dibenzofuran	1700	1700	ug/Kg	100				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				70 (60)	130 (106)	
	Diethylphthalate	1700	1700	ug/Kg	100				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				70 (58)	130 (98)	
	Fluorene	1700	1500	ug/Kg	88				70 (61)	130 (101)	
	4-Nitroaniline	1700	1400	ug/Kg	82				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1900	ug/Kg	112				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1800	ug/Kg	106				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF140944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165705BS	Hexachlorobenzene	1700	1800	ug/Kg	106				70 (64)	130 (98)	
	Atrazine	1700	2200	ug/Kg	129				70 (47)	130 (152)	
	Pentachlorophenol	3300	2900	ug/Kg	88				20 (67)	160 (105)	
	Phenanthrene	1700	1900	ug/Kg	112				70 (59)	130 (103)	
	Anthracene	1700	2000	ug/Kg	118				70 (61)	130 (105)	
	Carbazole	1700	1900	ug/Kg	112				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1800	ug/Kg	106				70 (58)	130 (104)	
	Fluoranthene	1700	1900	ug/Kg	112				70 (57)	130 (107)	
	Pyrene	1700	1900	ug/Kg	112				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	2000	ug/Kg	118				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1800	ug/Kg	106				70 (60)	130 (102)	
	Chrysene	1700	1800	ug/Kg	106				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1800	ug/Kg	106				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1900	ug/Kg	112				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	2200	ug/Kg	129				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	2100	ug/Kg	124				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	2100	ug/Kg	124				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1800	ug/Kg	106				70 (53)	130 (101)	
	1,4-Dioxane	1700	1100	ug/Kg	65				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				70 (59)	130 (108)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165705BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

Lab File ID: BF140943.D Lab Sample ID: PB165705BL

Instrument ID: BNA_F Date Extracted: 12/18/2024

Matrix: (soil/water) SOIL Date Analyzed: 12/20/2024

Level: (low/med) LOW Time Analyzed: 11:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165705BS	PB165705BS	BF140944.D	12/20/2024
SB-02	P5299-02	BF140998.D	12/27/2024
SB-01	P5299-01	BF140999.D	12/27/2024
SB-02	P5299-04	BF140996.D	12/27/2024
SB-01	P5299-03	BF140997.D	12/27/2024
OU4-VSL-11-121224MS	P5306-09MS	BF140948.D	12/20/2024
OU4-VSL-11-121224MSD	P5306-09MSD	BF140949.D	12/20/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P5299 SDG NO.: P5299

Lab File ID: BF140854.D DFTPP Injection Date: 12/16/2024

Instrument ID: BNA_F DFTPP Injection Time: 11:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.6
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	86.8
443	15.0 - 24.0% of mass 442	16.9 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140855.D	12/16/2024	12:13
SSTDICC005	SSTDICC005	BF140856.D	12/16/2024	12:39
SSTDICC010	SSTDICC010	BF140857.D	12/16/2024	13:05
SSTDICC020	SSTDICC020	BF140858.D	12/16/2024	14:00
SSTDICCC040	SSTDICCC040	BF140859.D	12/16/2024	14:26
SSTDICC050	SSTDICC050	BF140860.D	12/16/2024	15:23
SSTDICC060	SSTDICC060	BF140861.D	12/16/2024	15:49
SSTDICC080	SSTDICC080	BF140862.D	12/16/2024	16:15

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P5299 SDG NO.: P5299

Lab File ID: BF140941.D DFTPP Injection Date: 12/20/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.8
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	30.2
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	42.1
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	6.2
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (18.7) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140942.D	12/20/2024	11:15
PB165705BL	PB165705BL	BF140943.D	12/20/2024	11:41
PB165705BS	PB165705BS	BF140944.D	12/20/2024	12:07
OU4-VSL-11-121224MS	P5306-09MS	BF140948.D	12/20/2024	14:10
OU4-VSL-11-121224MSD	P5306-09MSD	BF140949.D	12/20/2024	14:36

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P5299 SDG NO.: P5299

Lab File ID: BF140969.D DFTPP Injection Date: 12/26/2024

Instrument ID: BNA_F DFTPP Injection Time: 15:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	47.8
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
275	10.0 - 60.0% of mass 198	27.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.3
442	Greater than 50% of mass 198	90.5
443	15.0 - 24.0% of mass 442	17.8 (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
SSTDICC2.5	SSTDICC2.5	BF140970.D	12/26/2024	16:23
SSTDICC005	SSTDICC005	BF140971.D	12/26/2024	16:49
SSTDICC010	SSTDICC010	BF140972.D	12/26/2024	17:15
SSTDICC020	SSTDICC020	BF140973.D	12/26/2024	17:41
SSTDICCC040	SSTDICCC040	BF140974.D	12/26/2024	18:06
SSTDICC050	SSTDICC050	BF140975.D	12/26/2024	18:33
SSTDICC060	SSTDICC060	BF140976.D	12/26/2024	18:59
SSTDICC080	SSTDICC080	BF140977.D	12/26/2024	19:25

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P5299 SDG NO.: P5299

Lab File ID: BF140993.D DFTPP Injection Date: 12/27/2024

Instrument ID: BNA_F DFTPP Injection Time: 13:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49
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	6.7
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	84.7
443	15.0 - 24.0% of mass 442	16.2 (19.1) 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	BF140994.D	12/27/2024	13:59
SB-02	P5299-04	BF140996.D	12/27/2024	15:00
SB-01	P5299-03	BF140997.D	12/27/2024	15:26
SB-02	P5299-02	BF140998.D	12/27/2024	16:03
SB-01	P5299-01	BF140999.D	12/27/2024	16:29

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/20/2024

Lab File ID: BF140942.D Time Analyzed: 11:15

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	74814	6.851	271589	8.13	162319	9.89
	UPPER LIMIT	149628	7.351	543178	8.634	324638	10.386
	LOWER LIMIT	37407	6.351	135795	7.634	81159.5	9.386
	EPA SAMPLE NO.						
01	OU4-VSL-11-121224MS	55385	6.85	209218	8.13	115521	9.89
02	OU4-VSL-11-121224MSD	45949	6.85	175670	8.13	102157	9.89
03	PB165705BL	64872	6.85	228592	8.13	136709	9.89
04	PB165705BS	71247	6.85	255665	8.13	141292	9.89

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/20/2024

Lab File ID: BF140942.D Time Analyzed: 11:15

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	282660	11.38	164316	14.033	129329	15.533
	UPPER LIMIT	565320	11.88	328632	14.533	258658	16.033
	LOWER LIMIT	141330	10.88	82158	13.533	64664.5	15.033
	EPA SAMPLE NO.						
01	OU4-VSL-11-121224MS	219277	11.38	133308	14.03	114231	15.52
02	OU4-VSL-11-121224MSD	188148	11.38	131096	14.05	113765	15.56
03	PB165705BL	270487	11.38	174504	14.03	118300	15.52
04	PB165705BS	237962	11.38	149220	14.03	113763	15.52

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140994.D Time Analyzed: 13:59

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	288140	6.828	1113820	8.11	585823	9.86
	UPPER LIMIT	576280	7.328	2227640	8.61	1171650	10.363
	LOWER LIMIT	144070	6.328	556910	7.61	292912	9.363
	EPA SAMPLE NO.						
01	SB-01	254834	6.82	1020670	8.10	546385	9.86
02	SB-02	248948	6.82	990169	8.10	532678	9.86
03	SB-01	238907	6.83	955704	8.10	516337	9.86
04	SB-02	239225	6.82	933657	8.10	501639	9.86

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140994.D Time Analyzed: 13:59

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1000380	11.345	654182	13.986	576625	15.433
	UPPER LIMIT	2000760	11.845	1308360	14.486	1153250	15.933
	LOWER LIMIT	500190	10.845	327091	13.486	288313	14.933
	EPA SAMPLE NO.						
01	SB-01	930453	11.34	608004	13.98	540868	15.45
02	SB-02	920169	11.34	611482	13.98	533372	15.45
03	SB-01	913709	11.34	692228	13.97	585265	15.43
04	SB-02	863212	11.34	557903	13.97	525276	15.43

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BL	SDG No.:	P5299
Lab Sample ID:	PB165705BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140943.D	1	12/18/24 08:56	12/20/24 11:41	PB165705

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BL	SDG No.:	P5299
Lab Sample ID:	PB165705BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140943.D	1	12/18/24 08:56	12/20/24 11:41	PB165705

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BL	SDG No.:	P5299
Lab Sample ID:	PB165705BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140943.D	1	12/18/24 08:56	12/20/24 11:41	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	150		30 (18) - 130 (112)	100%	SPK: 150
13127-88-3	Phenol-d6	153		30 (15) - 130 (107)	102%	SPK: 150
4165-60-0	Nitrobenzene-d5	107		30 (18) - 130 (107)	107%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		30 (20) - 130 (109)	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		30 (10) - 130 (116)	97%	SPK: 150
1718-51-0	Terphenyl-d14	110		30 (10) - 130 (105)	110%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	64900	6.845			
1146-65-2	Naphthalene-d8	229000	8.128			
15067-26-2	Acenaphthene-d10	137000	9.886			
1517-22-2	Phenanthrene-d10	270000	11.375			
1719-03-5	Chrysene-d12	175000	14.027			
1520-96-3	Perylene-d12	118000	15.521			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	180	J		2.23	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BL	SDG No.:	P5299
Lab Sample ID:	PB165705BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140943.D	1	12/18/24 08:56	12/20/24 11:41	PB165705

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BS	SDG No.:	P5299
Lab Sample ID:	PB165705BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140944.D	1	12/18/24 08:56	12/20/24 12:07	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	540		180	330	ug/Kg
108-95-2	Phenol	1600		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1800		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1600		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.9	170	ug/Kg
98-86-2	Acetophenone	1800		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1400		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.8	170	ug/Kg
78-59-1	Isophorone	1700		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1800		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		75.5	170	ug/Kg
91-20-3	Naphthalene	1600		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	1200		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.3	170	ug/Kg
105-60-2	Caprolactam	1700		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1700		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2300		160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.7	170	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BS	SDG No.:	P5299
Lab Sample ID:	PB165705BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140944.D	1	12/18/24 08:56	12/20/24 12:07	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.2	170	ug/Kg
83-32-9	Acenaphthene	1800		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2500		240	330	ug/Kg
100-02-7	4-Nitrophenol	2400		120	330	ug/Kg
132-64-9	Dibenzofuran	1700		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1700		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.6	170	ug/Kg
86-73-7	Fluorene	1500		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1800		85.0	170	ug/Kg
1912-24-9	Atrazine	2200		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1900		84.0	170	ug/Kg
120-12-7	Anthracene	2000		84.4	170	ug/Kg
86-74-8	Carbazole	1900		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1800		84.3	170	ug/Kg
206-44-0	Fluoranthene	1900		81.7	170	ug/Kg
129-00-0	Pyrene	1900		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	2000		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1800		80.7	170	ug/Kg
218-01-9	Chrysene	1800		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		81.1	170	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BS	SDG No.:	P5299
Lab Sample ID:	PB165705BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140944.D	1	12/18/24 08:56	12/20/24 12:07	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2100		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2100		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	143		30 (18) - 130 (112)	96%	SPK: 150
13127-88-3	Phenol-d6	136		30 (15) - 130 (107)	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.6		30 (18) - 130 (107)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	105		30 (20) - 130 (109)	105%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		30 (10) - 130 (116)	90%	SPK: 150
1718-51-0	Terphenyl-d14	121		30 (10) - 130 (105)	121%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	71200	6.851			
1146-65-2	Naphthalene-d8	256000	8.128			
15067-26-2	Acenaphthene-d10	141000	9.886			
1517-22-2	Phenanthrene-d10	238000	11.38			
1719-03-5	Chrysene-d12	149000	14.033			
1520-96-3	Perylene-d12	114000	15.521			

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:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	P5299
Lab Sample ID:	P5306-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140948.D	1	12/18/24 08:56	12/20/24 14:10	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	550		190	350	ug/Kg
108-95-2	Phenol	2000		88.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		89.1	180	ug/Kg
95-57-8	2-Chlorophenol	2000		88.9	180	ug/Kg
95-48-7	2-Methylphenol	1900		85.8	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		96.8	180	ug/Kg
98-86-2	Acetophenone	1900		92.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	2000		85.0	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		42.9	85.2	ug/Kg
67-72-1	Hexachloroethane	1700		88.4	180	ug/Kg
98-95-3	Nitrobenzene	1800		96.7	180	ug/Kg
78-59-1	Isophorone	1800		90.1	180	ug/Kg
88-75-5	2-Nitrophenol	2000		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		99.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		80.4	180	ug/Kg
91-20-3	Naphthalene	1800		88.0	180	ug/Kg
106-47-8	4-Chloroaniline	810		88.0	180	ug/Kg
87-68-3	Hexachlorobutadiene	1600		88.7	180	ug/Kg
105-60-2	Caprolactam	2000		92.4	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		82.5	180	ug/Kg
91-57-6	2-Methylnaphthalene	1700		87.8	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500		170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		76.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.8	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		93.1	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.7	180	ug/Kg
88-74-4	2-Nitroaniline	1800		100	180	ug/Kg
131-11-3	Dimethylphthalate	1800		87.0	180	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	P5299
Lab Sample ID:	P5306-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140948.D	1	12/18/24 08:56	12/20/24 14:10	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2000		92.1	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		88.6	180	ug/Kg
99-09-2	3-Nitroaniline	1100		95.0	180	ug/Kg
83-32-9	Acenaphthene	1900		86.4	180	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	260	350	ug/Kg
100-02-7	4-Nitrophenol	3000	E	120	350	ug/Kg
132-64-9	Dibenzofuran	1900		89.9	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		91.8	180	ug/Kg
84-66-2	Diethylphthalate	1700		85.3	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		91.1	180	ug/Kg
86-73-7	Fluorene	1800		91.0	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		86.9	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		84.0	180	ug/Kg
118-74-1	Hexachlorobenzene	1800		90.5	180	ug/Kg
1912-24-9	Atrazine	2200		97.3	180	ug/Kg
87-86-5	Pentachlorophenol	2800		82.3	350	ug/Kg
85-01-8	Phenanthrene	2000		89.4	180	ug/Kg
120-12-7	Anthracene	1900		89.9	180	ug/Kg
86-74-8	Carbazole	1900		85.5	180	ug/Kg
84-74-2	Di-n-butylphthalate	1800		89.8	180	ug/Kg
206-44-0	Fluoranthene	1700		87.0	180	ug/Kg
129-00-0	Pyrene	2000		88.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	1900		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		85.9	180	ug/Kg
218-01-9	Chrysene	1800		84.7	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		96.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		86.4	180	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	P5299
Lab Sample ID:	P5306-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140948.D	1	12/18/24 08:56	12/20/24 14:10	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2000		88.0	180	ug/Kg
50-32-8	Benzo(a)pyrene	2000		99.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2400		83.2	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2300		86.5	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2200		85.3	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		92.4	180	ug/Kg
123-91-1	1,4-Dioxane	1400		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		79.5	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	131		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	134		30 (15) - 130 (107)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.0		30 (18) - 130 (107)	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.0		30 (20) - 130 (109)	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 (10) - 130 (116)	82%	SPK: 150
1718-51-0	Terphenyl-d14	91.0		30 (10) - 130 (105)	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55400	6.851			
1146-65-2	Naphthalene-d8	209000	8.128			
15067-26-2	Acenaphthene-d10	116000	9.886			
1517-22-2	Phenanthrene-d10	219000	11.38			
1719-03-5	Chrysene-d12	133000	14.033			
1520-96-3	Perylene-d12	114000	15.521			

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:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MSD	SDG No.:	P5299
Lab Sample ID:	P5306-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140949.D	1	12/18/24 08:56	12/20/24 14:36	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	590		190	350	ug/Kg
108-95-2	Phenol	2100		88.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		89.2	180	ug/Kg
95-57-8	2-Chlorophenol	2000		89.0	180	ug/Kg
95-48-7	2-Methylphenol	2000		85.9	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		96.9	180	ug/Kg
98-86-2	Acetophenone	2000		92.6	180	ug/Kg
65794-96-9	3+4-Methylphenols	2000		85.0	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		42.9	85.2	ug/Kg
67-72-1	Hexachloroethane	1800		88.4	180	ug/Kg
98-95-3	Nitrobenzene	1800		96.8	180	ug/Kg
78-59-1	Isophorone	1900		90.1	180	ug/Kg
88-75-5	2-Nitrophenol	2000		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		99.3	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		80.4	180	ug/Kg
91-20-3	Naphthalene	1900		88.0	180	ug/Kg
106-47-8	4-Chloroaniline	780		88.0	180	ug/Kg
87-68-3	Hexachlorobutadiene	1700		88.8	180	ug/Kg
105-60-2	Caprolactam	2100		92.5	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		82.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	1900		87.9	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500		170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		76.1	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.8	180	ug/Kg
92-52-4	1,1-Biphenyl	1900		93.1	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.8	180	ug/Kg
88-74-4	2-Nitroaniline	1900		100	180	ug/Kg
131-11-3	Dimethylphthalate	1900		87.1	180	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MSD	SDG No.:	P5299
Lab Sample ID:	P5306-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140949.D	1	12/18/24 08:56	12/20/24 14:36	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2100		92.2	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		88.7	180	ug/Kg
99-09-2	3-Nitroaniline	1100		95.0	180	ug/Kg
83-32-9	Acenaphthene	2000		86.4	180	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	E	260	350	ug/Kg
100-02-7	4-Nitrophenol	2900	E	120	350	ug/Kg
132-64-9	Dibenzofuran	1900		89.9	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		91.8	180	ug/Kg
84-66-2	Diethylphthalate	1800		85.3	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		91.2	180	ug/Kg
86-73-7	Fluorene	1900		91.1	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2200		120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		86.9	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		84.1	180	ug/Kg
118-74-1	Hexachlorobenzene	2000		90.6	180	ug/Kg
1912-24-9	Atrazine	2500		97.4	180	ug/Kg
87-86-5	Pentachlorophenol	3000	E	82.4	350	ug/Kg
85-01-8	Phenanthrene	2100		89.5	180	ug/Kg
120-12-7	Anthracene	2200		89.9	180	ug/Kg
86-74-8	Carbazole	2100		85.6	180	ug/Kg
84-74-2	Di-n-butylphthalate	1900		89.8	180	ug/Kg
206-44-0	Fluoranthene	2000		87.1	180	ug/Kg
129-00-0	Pyrene	2000		88.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	1900		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		110	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		86.0	180	ug/Kg
218-01-9	Chrysene	1900		84.7	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		97.0	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		86.4	180	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MSD	SDG No.:	P5299
Lab Sample ID:	P5306-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140949.D	1	12/18/24 08:56	12/20/24 14:36	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2000		88.0	180	ug/Kg
50-32-8	Benzo(a)pyrene	2100		99.1	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2400		83.2	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2400		86.5	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2200		85.3	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		92.5	180	ug/Kg
123-91-1	1,4-Dioxane	1700		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		79.6	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	142		30 (18) - 130 (112)	95%	SPK: 150
13127-88-3	Phenol-d6	140		30 (15) - 130 (107)	94%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.7		30 (18) - 130 (107)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.8		30 (20) - 130 (109)	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		30 (10) - 130 (116)	90%	SPK: 150
1718-51-0	Terphenyl-d14	92.3		30 (10) - 130 (105)	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	45900	6.851			
1146-65-2	Naphthalene-d8	176000	8.128			
15067-26-2	Acenaphthene-d10	102000	9.886			
1517-22-2	Phenanthrene-d10	188000	11.38			
1719-03-5	Chrysene-d12	131000	14.045			
1520-96-3	Perylene-d12	114000	15.562			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 16 16:59:50 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140855.D 5 =BF140856.D 10 =BF140857.D 20 =BF140858.D 40 =BF140859.D 50 =BF140860.D 60 =BF140861.D 80 =BF1408
62.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.547	0.536	0.537	0.503	0.520	0.527	0.492	0.523	3.76
3)		Pyridine		1.203	1.182	1.284	1.222	1.221	1.235	1.136	1.212	3.78
4)		n-Nitrosodimet...		0.598	0.593	0.626	0.603	0.621	0.648	0.587	0.611	3.58
5)	S	2-Fluorophenol		1.211	1.236	1.279	1.199	1.231	1.242	1.107	1.215	4.45
6)		Aniline		1.408	1.461	1.448	1.374	1.364	1.369	1.208	1.376	6.06
7)	S	Phenol-d6		1.692	1.661	1.661	1.567	1.576	1.623	1.485	1.609	4.45
8)		2-Chlorophenol		1.343	1.379	1.357	1.301	1.313	1.351	1.230	1.325	3.75
9)		Benzaldehyde		1.048	1.051	0.993	0.864	0.823	0.800	0.663	0.892	16.27
10)	C	Phenol		1.756	1.690	1.733	1.630	1.643	1.688	1.534	1.668	4.44
11)		bis(2-Chloroet...		1.277	1.242	1.281	1.227	1.237	1.267	1.176	1.244	2.93
12)		1,3-Dichlorobe...		1.584	1.540	1.557	1.469	1.495	1.530	1.394	1.510	4.21
13)	C	1,4-Dichlorobe...		1.607	1.601	1.583	1.497	1.495	1.546	1.397	1.532	4.91
14)		1,2-Dichlorobe...		1.521	1.495	1.509	1.436	1.403	1.434	1.322	1.446	4.86
15)		Benzyl Alcohol		1.146	1.143	1.236	1.150	1.143	1.179	1.056	1.151	4.64
16)		2,2'-oxybis(1-...		1.563	1.495	1.519	1.438	1.438	1.443	1.359	1.465	4.53
17)		2-Methylphenol		1.081	1.105	1.080	1.039	1.039	1.067	0.993	1.058	3.51
18)		Hexachloroethane		0.600	0.580	0.585	0.556	0.557	0.580	0.535	0.570	3.86
19)	P	n-Nitroso-di-n...	1.005	1.030	1.004	0.999	0.922	0.938	0.949	0.873	0.965	5.52
20)		3+4-Methylphenols		1.503	1.491	1.440	1.355	1.360	1.396	1.273	1.403	5.82
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.526	0.503	0.520	0.493	0.496	0.518	0.446	0.500	5.41
23)	S	Nitrobenzene-d5		0.406	0.401	0.420	0.393	0.397	0.415	0.366	0.400	4.42
24)		Nitrobenzene		0.418	0.411	0.425	0.402	0.408	0.429	0.375	0.410	4.40
25)		Isophorone		0.681	0.672	0.690	0.651	0.664	0.700	0.631	0.670	3.55
26)	C	2-Nitrophenol		0.183	0.185	0.193	0.187	0.191	0.201	0.180	0.189	3.79
27)		2,4-Dimethylph...		0.221	0.220	0.225	0.220	0.219	0.228	0.210	0.220	2.61
28)		bis(2-Chloroet...		0.431	0.414	0.429	0.417	0.418	0.426	0.394	0.418	3.04
29)	C	2,4-Dichloroph...		0.300	0.310	0.313	0.299	0.301	0.316	0.290	0.304	3.07
30)		1,2,4-Trichlor...		0.360	0.354	0.357	0.341	0.342	0.362	0.325	0.349	3.77
31)		Naphthalene		1.138	1.125	1.126	1.067	1.090	1.124	1.020	1.099	3.86
32)		Benzoic acid			0.173	0.192	0.212	0.220	0.237	0.220	0.209	10.98
33)		4-Chloroaniline		0.371	0.375	0.377	0.361	0.358	0.363	0.349	0.365	2.74
34)	C	Hexachlorobuta...		0.239	0.235	0.244	0.232	0.233	0.239	0.219	0.235	3.42
35)		Caprolactam		0.085	0.090	0.090	0.090	0.089	0.092	0.097	0.091	3.88
36)	C	4-Chloro-3-met...		0.342	0.347	0.347	0.338	0.332	0.342	0.348	0.342	1.72
37)		2-Methylnaphth...		0.744	0.734	0.740	0.721	0.700	0.719	0.729	0.727	2.08
38)		1-Methylnaphth...		0.758	0.743	0.716	0.706	0.686	0.706	0.716	0.719	3.36

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121624.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.622	0.573	0.641	0.580	0.576	0.622	0.689	0.615	6.88
41)	P	Hexachlorocycl...		0.091	0.120	0.142	0.163	0.183	0.221	0.153	30.05
42)	S	2,4,6-Tribromo...	0.235	0.236	0.242	0.240	0.235	0.243	0.225	0.237	2.56
43)	C	2,4,6-Trichlor...	0.348	0.339	0.386	0.364	0.357	0.395	0.446	0.376	9.68
44)		2,4,5-Trichlor...	0.413	0.365	0.426	0.397	0.395	0.426	0.475	0.414	8.28
45)	S	2-Fluorobiphenyl	1.560	1.410	1.538	1.369	1.345	1.445	1.517	1.455	5.85
46)		1,1'-Biphenyl	1.678	1.512	1.639	1.513	1.463	1.575	1.752	1.590	6.54
47)		2-Chloronaphth...	1.236	1.157	1.254	1.169	1.124	1.206	1.370	1.217	6.69
48)		2-Nitroaniline	0.350	0.346	0.372	0.358	0.341	0.378	0.428	0.367	8.14
49)		Acenaphthylene	1.874	1.821	1.880	1.734	1.696	1.783	1.727	1.788	4.09
50)		Dimethylphthalate	1.431	1.367	1.438	1.359	1.308	1.417	1.549	1.410	5.45
51)		2,6-Dinitrotol...	0.320	0.317	0.328	0.312	0.303	0.321	0.355	0.322	5.06
52)	C	Acenaphthene	1.228	1.190	1.166	1.113	1.100	1.148	1.049	1.142	5.25
53)		3-Nitroaniline	0.322	0.316	0.328	0.316	0.325	0.325	0.307	0.320	2.29
54)	P	2,4-Dinitrophenol		0.088	0.108	0.134	0.145	0.160	0.157	0.132	21.60
55)		Dibenzofuran	1.920	1.876	1.830	1.728	1.705	1.746	1.583	1.770	6.48
56)	P	4-Nitrophenol		0.091	0.133	0.165	0.169	0.176	0.167	0.150	21.61
57)		2,4-Dinitrotol...	0.435	0.438	0.440	0.419	0.421	0.426	0.389	0.424	4.12
58)		Fluorene	1.573	1.522	1.492	1.444	1.429	1.425	1.335	1.460	5.29
59)		2,3,4,6-Tetrac...	0.297	0.312	0.345	0.354	0.356	0.356	0.341	0.337	6.99
60)		Diethylphthalate	1.562	1.484	1.496	1.439	1.446	1.461	1.346	1.462	4.48
61)		4-Chlorophenyl...	0.780	0.750	0.759	0.716	0.727	0.728	0.674	0.733	4.62
62)		4-Nitroaniline	0.329	0.333	0.339	0.338	0.343	0.339	0.320	0.334	2.37
63)		Azobenzene	1.482	1.411	1.394	1.368	1.358	1.334	1.273	1.375	4.74
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.109	0.117	0.118	0.129	0.109	0.113	8.96
66)	c	n-Nitrosodiphe...	0.639	0.679	0.644	0.599	0.592	0.626	0.527	0.615	7.90
67)		4-Bromophenyl-...	0.225	0.248	0.236	0.220	0.214	0.231	0.192	0.224	7.97
68)		Hexachlorobenzene	0.257	0.280	0.268	0.246	0.245	0.258	0.223	0.254	7.24
69)		Atrazine	0.200	0.204	0.193	0.168	0.153	0.157	0.127	0.172	16.48
70)	C	Pentachlorophenol		0.062	0.082	0.098	0.102	0.106	0.106	0.093	18.65
71)		Phenanthrene	1.125	1.081	1.072	0.983	0.988	1.013	0.937	1.028	6.45
72)		Anthracene	1.091	1.064	1.053	0.970	0.978	1.000	0.934	1.013	5.66
73)		Carbazole	1.086	1.018	1.026	0.952	0.972	0.970	0.920	0.992	5.58
74)		Di-n-butylphth...	1.245	1.206	1.232	1.129	1.185	1.186	0.968	1.164	8.12
75)	C	Fluoranthene	1.364	1.291	1.251	1.130	1.138	1.175	0.943	1.184	11.51
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.319	0.401	0.404	0.493	0.454	0.378	0.408	14.76
78)		Pyrene	1.904	1.719	1.650	1.699	1.761	1.769	1.948	1.779	6.12
79)	S	Terphenyl-d14	1.354	1.247	1.218	1.206	1.212	1.260	1.381	1.268	5.58
80)		Butylbenzylpht...	0.650	0.616	0.621	0.646	0.672	0.681	0.696	0.654	4.59
81)		Benzo(a)anthra...	1.494	1.473	1.421	1.359	1.388	1.418	1.369	1.417	3.60
82)		3,3'-Dichlorob...	0.429	0.427	0.449	0.412	0.432	0.446	0.399	0.428	4.14
83)		Chrysene	1.361	1.284	1.364	1.271	1.254	1.283	1.206	1.289	4.40
84)		Bis(2-ethylhex...	0.804	0.807	0.875	0.821	0.855	0.890	0.855	0.844	3.99
85)	c	Di-n-octyl pht...	1.267	1.170	1.348	1.223	1.341	1.324	1.263	1.277	5.17

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121624.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.130	1.174	1.330	1.269	1.109	1.330	1.395	1.248	8.90
88)		Benzo(b)fluora...	1.454	1.466	1.450	1.294	1.263	1.442	1.349	1.388	6.11
89)		Benzo(k)fluora...	1.318	1.250	1.223	1.224	1.142	1.182	0.996	1.191	8.57
90)	C	Benzo(a)pyrene	1.099	1.084	1.134	1.073	1.056	1.122	1.042	1.087	3.10
91)		Dibenzo(a,h)an...	0.913	0.986	1.092	1.058	0.918	1.116	1.154	1.034	9.30
92)		Benzo(g,h,i)pe...	0.961	0.972	1.094	1.073	0.944	1.098	1.225	1.052	9.53

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 27 00:31:16 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140970.D 5 =BF140971.D 10 =BF140972.D 20 =BF140973.D 40 =BF140974.D 50 =BF140975.D 60 =BF140976.D 80 =BF1409
77.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.630	0.621	0.624	0.597	0.587	0.588	0.559	0.601	4.26
3)		Pyridine		1.621	1.563	1.581	1.437	1.394	1.372	1.308	1.468	8.18
4)		n-Nitrosodimet...		0.755	0.738	0.778	0.745	0.742	0.742	0.707	0.744	2.86
5)	S	2-Fluorophenol		1.502	1.422	1.423	1.293	1.258	1.233	1.155	1.327	9.39
6)		Aniline		1.709	1.702	1.732	1.615	1.480	1.306	1.126	1.524	15.28
7)	S	Phenol-d6		1.910	1.839	1.811	1.667	1.625	1.613	1.500	1.709	8.60
8)		2-Chlorophenol		1.556	1.484	1.483	1.386	1.337	1.319	1.227	1.399	8.21
9)		Benzaldehyde			1.193	1.089	0.861	0.792	0.768		0.941	20.16
10)	C	Phenol		1.956	1.880	1.866	1.744	1.683	1.694	1.549	1.767	7.97
11)		bis(2-Chloroet...		1.543	1.479	1.449	1.363	1.416	1.380	1.358	1.427	4.77
12)		1,3-Dichlorobe...		1.736	1.665	1.649	1.516	1.462	1.436	1.342	1.544	9.24
13)	C	1,4-Dichlorobe...		1.749	1.690	1.662	1.517	1.477	1.440	1.359	1.556	9.33
14)		1,2-Dichlorobe...		1.660	1.589	1.562	1.416	1.366	1.328	1.235	1.451	10.72
15)		Benzyl Alcohol		1.333	1.275	1.298	1.226	1.199	1.172	1.095	1.228	6.63
16)		2,2'-oxybis(1-...		2.420	2.317	2.313	2.112	2.048	2.016	1.882	2.158	9.04
17)		2-Methylphenol		1.250	1.208	1.226	1.151	1.125	1.109	1.066	1.162	5.83
18)		Hexachloroethane		0.587	0.573	0.584	0.544	0.538	0.537	0.508	0.553	5.30
19)	P	n-Nitroso-di-n...	1.133	1.140	1.127	1.079	1.008	0.988	0.983	0.918	1.047	8.01
20)		3+4-Methylphenols		1.644	1.624	1.598	1.452	1.387	1.354	1.235	1.471	10.61
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.575	0.535	0.521	0.470	0.459	0.454	0.421	0.491	11.02
23)	S	Nitrobenzene-d5		0.244	0.277	0.321	0.327	0.338	0.349	0.333	0.313	12.18
24)		Nitrobenzene		0.288	0.319	0.364	0.367	0.371	0.379	0.358	0.349	9.54
25)		Isophorone		0.744	0.706	0.714	0.657	0.654	0.659	0.628	0.680	6.09
26)	C	2-Nitrophenol		0.067	0.080	0.107	0.127	0.142	0.151	0.152	0.118	29.26
27)		2,4-Dimethylph...		0.268	0.255	0.260	0.241	0.241	0.244	0.230	0.249	5.21
28)		bis(2-Chloroet...		0.477	0.462	0.462	0.415	0.412	0.405	0.384	0.431	8.27
29)	C	2,4-Dichloroph...		0.286	0.289	0.295	0.278	0.281	0.281	0.264	0.282	3.41
30)		1,2,4-Trichlor...		0.354	0.335	0.337	0.312	0.304	0.306	0.286	0.319	7.39
31)		Naphthalene		1.209	1.154	1.142	1.020	0.989	0.971	0.892	1.054	10.96
32)		Benzoic acid			0.099	0.152	0.178	0.198	0.221	0.222	0.178	26.55
33)		4-Chloroaniline		0.414	0.398	0.404	0.367	0.368	0.367	0.351	0.381	6.20
34)	C	Hexachlorobuta...		0.208	0.199	0.196	0.182	0.181	0.182	0.170	0.188	7.08
35)		Caprolactam		0.098	0.095	0.100	0.094	0.094	0.095	0.094	0.096	2.37
36)	C	4-Chloro-3-met...		0.330	0.320	0.327	0.309	0.304	0.309	0.293	0.313	4.24
37)		2-Methylnaphth...		0.772	0.740	0.732	0.642	0.629	0.623	0.581	0.674	10.77
38)		1-Methylnaphth...		0.767	0.722	0.710	0.635	0.618	0.615	0.571	0.663	10.71

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122624.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.602	0.586	0.586	0.535	0.527	0.526	0.491	0.550	7.46
41)	P	Hexachlorocycl...	0.165	0.176	0.189	0.187	0.189	0.190	0.180	0.182	5.03
42)	S	2,4,6-Tribromo...	0.177	0.189	0.203	0.196	0.198	0.199	0.199	0.194	4.59
43)	C	2,4,6-Trichlor...	0.354	0.356	0.398	0.364	0.356	0.381	0.354	0.366	4.59
44)		2,4,5-Trichlor...	0.371	0.389	0.377	0.380	0.386	0.365	0.355	0.375	3.15
45)	S	2-Fluorobiphenyl	1.546	1.452	1.378	1.175	1.129	1.102	1.006	1.255	16.12
46)		1,1'-Biphenyl	1.776	1.696	1.651	1.479	1.421	1.406	1.291	1.531	11.60
47)		2-Chloronaphth...	1.362	1.293	1.270	1.140	1.115	1.104	1.031	1.188	10.15
48)		2-Nitroaniline	0.139	0.182	0.248	0.288	0.306	0.329	0.325	0.259	28.48
49)		Acenaphthylene	1.934	1.869	1.824	1.654	1.619	1.590	1.477	1.710	9.80
50)		Dimethylphthalate	1.438	1.414	1.389	1.285	1.246	1.251	1.186	1.316	7.39
51)		2,6-Dinitrotol...	0.128	0.173	0.233	0.256	0.269	0.279	0.276	0.231	25.17
52)	C	Acenaphthene	1.289	1.240	1.229	1.119	1.096	1.091	1.027	1.156	8.36
53)		3-Nitroaniline	0.153	0.197	0.260	0.281	0.289	0.304	0.299	0.255	22.59
54)	P	2,4-Dinitrophenol		0.037	0.053	0.072	0.086	0.098	0.105	0.075	35.03
55)		Dibenzofuran	1.857	1.780	1.743	1.565	1.523	1.513	1.389	1.624	10.47
56)	P	4-Nitrophenol		0.166	0.213	0.229	0.237	0.253	0.251	0.225	14.45
57)		2,4-Dinitrotol...	0.136	0.187	0.265	0.310	0.326	0.347	0.340	0.273	30.14
58)		Fluorene	1.497	1.432	1.351	1.192	1.146	1.135	1.065	1.260	13.19
59)		2,3,4,6-Tetrac...	0.303	0.303	0.327	0.314	0.307	0.316	0.302	0.310	3.01
60)		Diethylphthalate	1.433	1.386	1.369	1.266	1.230	1.232	1.175	1.299	7.47
61)		4-Chlorophenyl...	0.700	0.673	0.653	0.579	0.560	0.557	0.521	0.606	11.29
62)		4-Nitroaniline	0.156	0.203	0.257	0.278	0.290	0.301	0.301	0.255	21.73
63)		Azobenzene	1.502	1.465	1.448	1.319	1.295	1.293	1.220	1.363	7.85
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.033	0.051	0.066	0.078	0.085	0.089	0.067	32.70
66)	c	n-Nitrosodiphe...	0.712	0.675	0.668	0.605	0.594	0.595	0.558	0.630	8.83
67)		4-Bromophenyl-...	0.235	0.229	0.228	0.213	0.212	0.199	0.197	0.216	7.03
68)		Hexachlorobenzene	0.261	0.247	0.249	0.232	0.231	0.229	0.220	0.238	5.96
69)		Atrazine	0.218	0.205	0.189	0.156	0.147	0.140		0.176	18.49
70)	C	Pentachlorophenol	0.122	0.137	0.154	0.155	0.156	0.161	0.154	0.148	9.37
71)		Phenanthrene	1.221	1.168	1.129	1.005	0.982	0.958	0.907	1.053	11.29
72)		Anthracene	1.187	1.136	1.113	0.991	0.963	0.945	0.884	1.031	11.01
73)		Carbazole	1.138	1.093	1.076	0.947	0.923	0.907	0.857	0.992	10.97
74)		Di-n-butylphth...	1.248	1.238	1.237	1.083	1.054	1.044	0.990	1.128	9.70
75)	C	Fluoranthene	1.333	1.274	1.242	1.091	1.050	1.035	0.966	1.142	12.26
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.422	0.333	0.437	0.415	0.438	0.512	0.402	0.423	12.62
78)		Pyrene	1.754	1.670	1.701	1.692	1.783	1.841	1.803	1.749	3.63
79)	S	Terphenyl-d14	1.275	1.181	1.188	1.141	1.194	1.240	1.209	1.204	3.59
80)		Butylbenzylpht...	0.532	0.571	0.640	0.656	0.684	0.710	0.679	0.639	10.11
81)		Benzo(a)anthra...	1.573	1.452	1.437	1.369	1.340	1.335	1.251	1.394	7.44
82)		3,3'-Dichlorob...	0.474	0.455	0.455	0.403	0.382	0.386	0.377	0.419	9.76
83)		Chrysene	1.341	1.330	1.327	1.208	1.194	1.207	1.190	1.257	5.68
84)		Bis(2-ethylhex...	0.822	0.842	0.859	0.820	0.827	0.837	0.793	0.828	2.49
85)	c	Di-n-octyl pht...	1.157	1.231	1.253	1.199	1.170	1.193	1.191	1.199	2.76

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122624.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.050	1.009	1.224	1.311	1.397	1.438	1.391	1.260	13.71
88)		Benzo(b)fluora...	1.360	1.564	1.479	1.417	1.306	1.362	1.275	1.395	7.20
89)		Benzo(k)fluora...	1.165	1.121	1.301	1.065	1.073	1.016	0.911	1.093	11.17
90)	C	Benzo(a)pyrene	1.146	1.108	1.137	1.069	1.047	1.065	1.007	1.083	4.63
91)		Dibenzo(a,h)an...	0.847	0.829	0.992	1.070	1.127	1.165	1.120	1.021	13.38
92)		Benzo(g,h,i)pe...	0.825	0.811	1.023	1.126	1.194	1.243	1.194	1.059	16.91

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 11:15

Lab File ID: BF140942.D Init. Calib. Date(s): 12/16/2024 12/16/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:13 16:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.215	1.104		-9.1	
Benzaldehyde	0.892	0.796		-10.8	
Phenol-d6	1.609	1.494		-7.1	
Phenol	1.668	1.561		-6.4	20.0
bis(2-Chloroethyl)ether	1.244	1.156		-7.1	
2-Chlorophenol	1.325	1.292		-2.5	
2-Methylphenol	1.058	1.007		-4.8	
2,2-oxybis(1-Chloropropane)	1.465	1.317		-10.1	
Acetophenone	0.500	0.486		-2.8	
3+4-Methylphenols	1.403	1.351		-3.7	
n-Nitroso-di-n-propylamine	0.965	0.859	0.050	-11.0	
Nitrobenzene-d5	0.400	0.385		-3.8	
Hexachloroethane	0.570	0.521		-8.6	
Nitrobenzene	0.410	0.382		-6.8	
Isophorone	0.670	0.637		-4.9	
2-Nitrophenol	0.189	0.198		4.8	20.0
2,4-Dimethylphenol	0.220	0.222		0.9	
bis(2-Chloroethoxy)methane	0.418	0.406		-2.9	
2,4-Dichlorophenol	0.304	0.299		-1.6	20.0
Naphthalene	1.099	1.079		-1.8	
4-Chloroaniline	0.365	0.358		-1.9	
Hexachlorobutadiene	0.235	0.225		-4.3	20.0
Caprolactam	0.091	0.084		-7.7	
4-Chloro-3-methylphenol	0.342	0.320		-6.4	20.0
2-Methylnaphthalene	0.727	0.696		-4.3	
Hexachlorocyclopentadiene	0.153	0.117	0.050	-23.5	
2,4,6-Trichlorophenol	0.376	0.341		-9.3	20.0
2-Fluorobiphenyl	1.455	1.340		-7.9	
2,4,5-Trichlorophenol	0.414	0.369		-10.9	
1,1-Biphenyl	1.590	1.490		-6.3	
2-Chloronaphthalene	1.217	1.152		-5.3	
2-Nitroaniline	0.367	0.325		-11.4	
Dimethylphthalate	1.410	1.310		-7.1	
Acenaphthylene	1.788	1.741		-2.6	
2,6-Dinitrotoluene	0.322	0.318		-1.2	
3-Nitroaniline	0.320	0.316		-1.3	
Acenaphthene	1.142	1.107		-3.1	20.0
2,4-Dinitrophenol	0.132	0.127	0.050	-3.8	
4-Nitrophenol	0.150	0.143	0.050	-4.7	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 11:15

Lab File ID: BF140942.D Init. Calib. Date(s): 12/16/2024 12/16/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:13 16:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.770	1.682		-5.0	
2,4-Dinitrotoluene	0.424	0.408		-3.8	
Diethylphthalate	1.462	1.314		-10.1	
4-Chlorophenyl-phenylether	0.733	0.682		-7.0	
Fluorene	1.460	1.356		-7.1	
4-Nitroaniline	0.334	0.310		-7.2	
4,6-Dinitro-2-methylphenol	0.113	0.114		0.9	
n-Nitrosodiphenylamine	0.615	0.657		6.8	20.0
2,4,6-Tribromophenol	0.237	0.214		-9.7	
4-Bromophenyl-phenylether	0.224	0.230		2.7	
Hexachlorobenzene	0.254	0.264		3.9	
Atrazine	0.172	0.144		-16.3	
Pentachlorophenol	0.093	0.077		-17.2	20.0
Phenanthrene	1.028	0.981		-4.6	
Anthracene	1.013	0.983		-3.0	
Carbazole	0.992	0.954		-3.8	
Di-n-butylphthalate	1.164	1.178		1.2	
Fluoranthene	1.184	1.083		-8.5	20.0
Pyrene	1.779	1.904		7.0	
Terphenyl-d14	1.268	1.393		9.9	
Butylbenzylphthalate	0.654	0.631		-3.5	
3,3-Dichlorobenzidine	0.428	0.390		-8.9	
Benzo(a)anthracene	1.417	1.356		-4.3	
Chrysene	1.289	1.279		-0.8	
Bis(2-ethylhexyl)phthalate	0.844	0.789		-6.5	
Di-n-octyl phthalate	1.277	1.023		-19.9	20.0
Benzo(b)fluoranthene	1.388	1.319		-5.0	
Benzo(k)fluoranthene	1.191	1.123		-5.7	
Benzo(a)pyrene	1.087	1.066		-1.9	20.0
Indeno(1,2,3-cd)pyrene	1.248	1.605		28.6	
Dibenzo(a,h)anthracene	1.034	1.335		29.1	
Benzo(g,h,i)perylene	1.052	1.276		21.3	
1,2,4,5-Tetrachlorobenzene	0.615	0.574		-6.7	
1,4-Dioxane	0.523	0.501		-4.2	20.0
2,3,4,6-Tetrachlorophenol	0.337	0.314		-6.8	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date/Time: 12/27/2024 13:59

Lab File ID: BF140994.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.327	1.268		-4.4	
Benzaldehyde	0.941	0.913		-3.0	
Phenol-d6	1.709	1.624		-5.0	
Phenol	1.767	1.701		-3.7	20.0
bis(2-Chloroethyl)ether	1.427	1.317		-7.7	
2-Chlorophenol	1.399	1.354		-3.2	
2-Methylphenol	1.162	1.114		-4.1	
2,2-oxybis(1-Chloropropane)	2.158	2.044		-5.3	
Acetophenone	0.491	0.466		-5.1	
3+4-Methylphenols	1.471	1.414		-3.9	
n-Nitroso-di-n-propylamine	1.047	0.967	0.050	-7.6	
Nitrobenzene-d5	0.313	0.359		14.7	
Hexachloroethane	0.553	0.541		-2.2	
Nitrobenzene	0.349	0.391		12.0	
Isophorone	0.680	0.647		-4.9	
2-Nitrophenol	0.118	0.160		35.6	20.0
2,4-Dimethylphenol	0.249	0.244		-2.0	
bis(2-Chloroethoxy)methane	0.431	0.409		-5.1	
2,4-Dichlorophenol	0.282	0.279		-1.1	20.0
Naphthalene	1.054	1.013		-3.9	
4-Chloroaniline	0.381	0.362		-5.0	
Hexachlorobutadiene	0.188	0.183		-2.7	20.0
Caprolactam	0.096	0.094		-2.1	
4-Chloro-3-methylphenol	0.313	0.303		-3.2	20.0
2-Methylnaphthalene	0.674	0.646		-4.2	
Hexachlorocyclopentadiene	0.182	0.186	0.050	2.2	
2,4,6-Trichlorophenol	0.366	0.367		0.3	20.0
2-Fluorobiphenyl	1.255	1.178		-6.1	
2,4,5-Trichlorophenol	0.375	0.386		2.9	
1,1-Biphenyl	1.531	1.482		-3.2	
2-Chloronaphthalene	1.188	1.140		-4.0	
2-Nitroaniline	0.259	0.349		34.7	
Dimethylphthalate	1.316	1.281		-2.7	
Acenaphthylene	1.710	1.661		-2.9	
2,6-Dinitrotoluene	0.231	0.296		28.1	
3-Nitroaniline	0.255	0.320		25.5	
Acenaphthene	1.156	1.122		-2.9	20.0
2,4-Dinitrophenol	0.075	0.099	0.050	32.0	
4-Nitrophenol	0.225	0.246	0.050	9.3	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date/Time: 12/27/2024 13:59

Lab File ID: BF140994.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.624	1.563		-3.8	
2,4-Dinitrotoluene	0.273	0.378		38.5	
Diethylphthalate	1.299	1.261		-2.9	
4-Chlorophenyl-phenylether	0.606	0.572		-5.6	
Fluorene	1.260	1.191		-5.5	
4-Nitroaniline	0.255	0.316		23.9	
4,6-Dinitro-2-methylphenol	0.067	0.093		38.8	
n-Nitrosodiphenylamine	0.630	0.617		-2.1	20.0
2,4,6-Tribromophenol	0.194	0.205		5.7	
4-Bromophenyl-phenylether	0.216	0.220		1.9	
Hexachlorobenzene	0.238	0.235		-1.3	
Atrazine	0.176	0.158		-10.2	
Pentachlorophenol	0.148	0.161		8.8	20.0
Phenanthrene	1.053	1.034		-1.8	
Anthracene	1.031	1.003		-2.7	
Carbazole	0.992	0.965		-2.7	
Di-n-butylphthalate	1.128	1.104		-2.1	
Fluoranthene	1.142	1.081		-5.3	20.0
Pyrene	1.749	1.690		-3.4	
Terphenyl-d14	1.204	1.166		-3.2	
Butylbenzylphthalate	0.639	0.645		0.9	
3,3-Dichlorobenzidine	0.419	0.406		-3.1	
Benzo(a)anthracene	1.394	1.316		-5.6	
Chrysene	1.257	1.236		-1.7	
Bis(2-ethylhexyl)phthalate	0.828	0.820		-1.0	
Di-n-octyl phthalate	1.199	1.221		1.8	20.0
Benzo(b)fluoranthene	1.395	1.240		-11.1	
Benzo(k)fluoranthene	1.093	1.226		12.2	
Benzo(a)pyrene	1.083	1.067		-1.5	20.0
Indeno(1,2,3-cd)pyrene	1.260	1.291		2.5	
Dibenzo(a,h)anthracene	1.021	1.047		2.5	
Benzo(g,h,i)perylene	1.059	1.058		-0.1	
1,2,4,5-Tetrachlorobenzene	0.550	0.540		-1.8	
1,4-Dioxane	0.601	0.590		-1.8	20.0
2,3,4,6-Tetrachlorophenol	0.310	0.315		1.6	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Dec 27 17:25:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

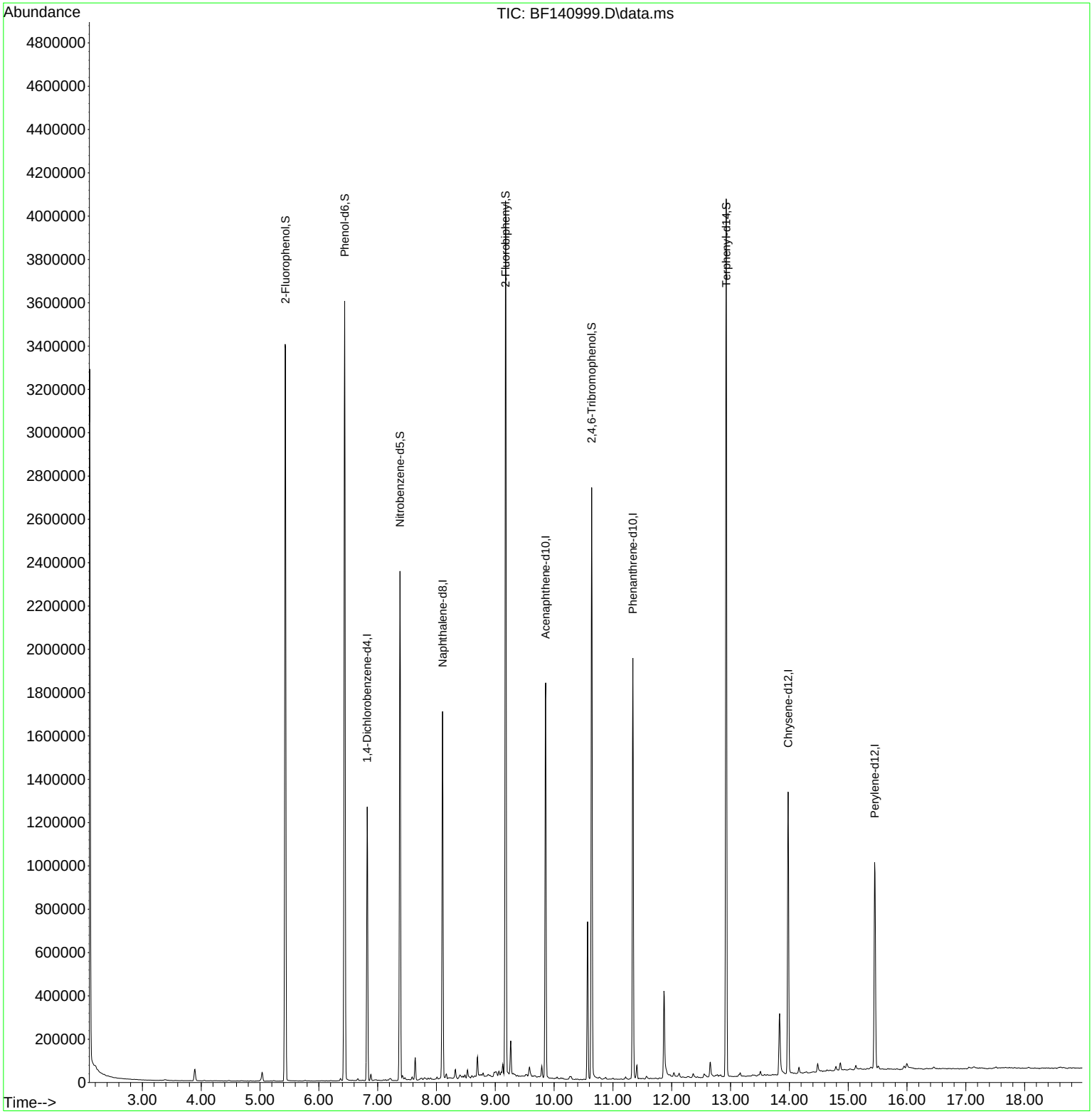
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	254834	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1020665	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	546385	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	930453	20.000	ng	0.00
76) Chrysene-d12	13.980	240	608004	20.000	ng	0.00
86) Perylene-d12	15.451	264	540868	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1327317	78.513	ng	0.00
7) Phenol-d6	6.439	99	1733092	79.579	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1029902	64.557	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	460002	86.642	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	1822631	53.147	ng	-0.01
79) Terphenyl-d14	12.927	244	1940618	53.015	ng	0.00
Target Compounds						Qvalue

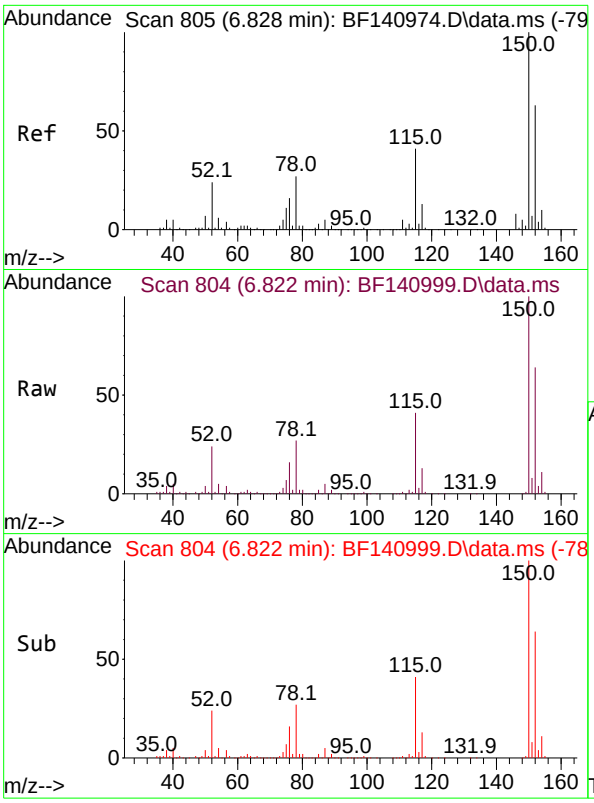
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Dec 27 17:25:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



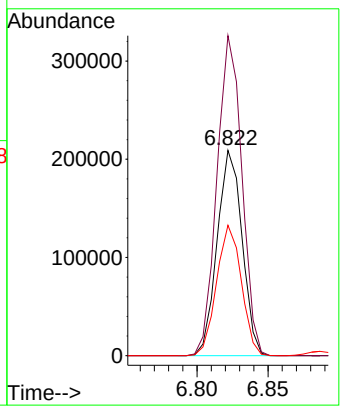


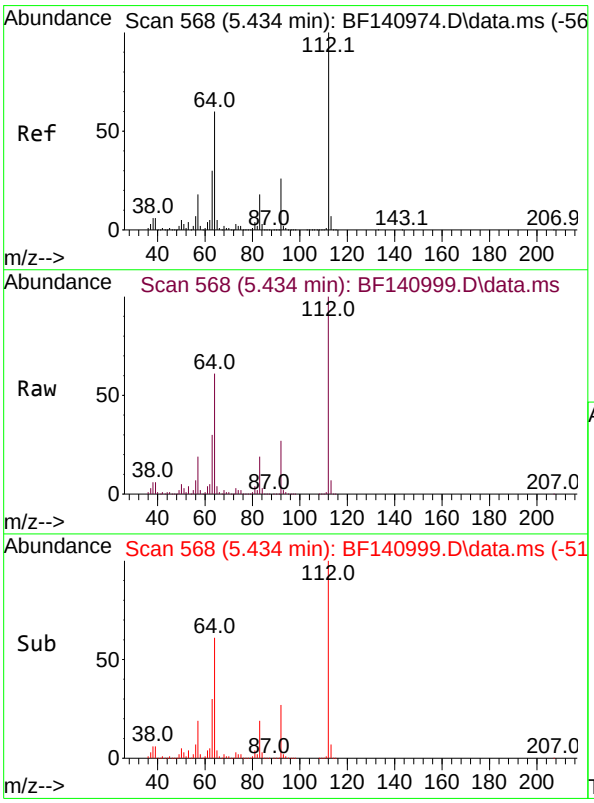
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:152 Resp: 254834

Ion	Ratio	Lower	Upper
152	100		
150	155.8	127.0	190.6
115	63.5	51.7	77.5

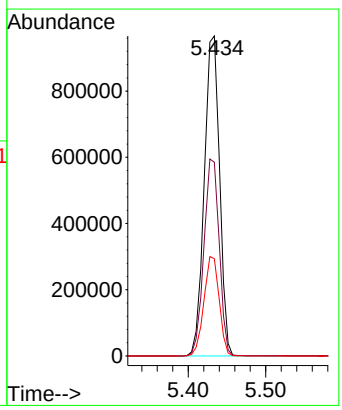


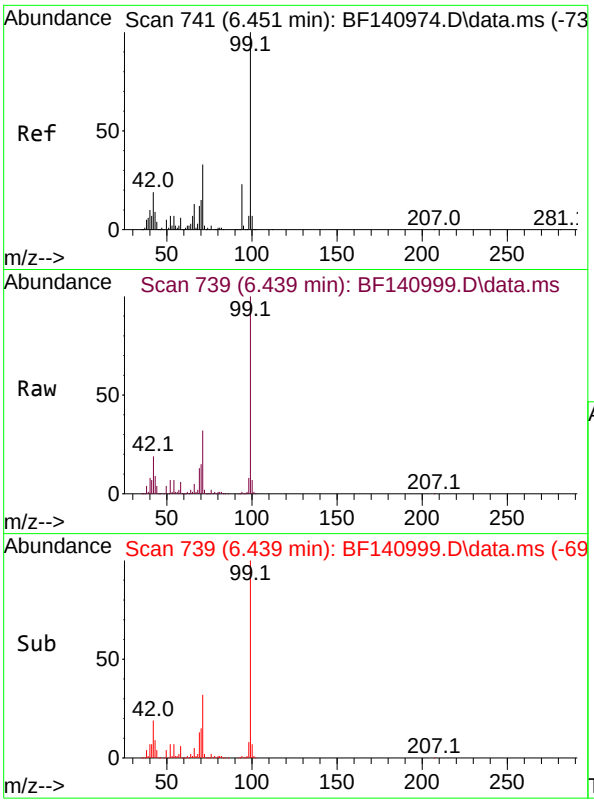


#5
2-Fluorophenol
Concen: 78.513 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:112 Resp: 1327317

Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.7	71.5
63	30.4	24.2	36.2



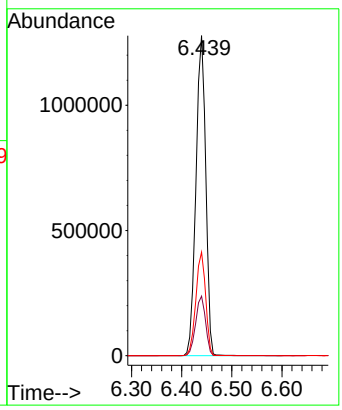


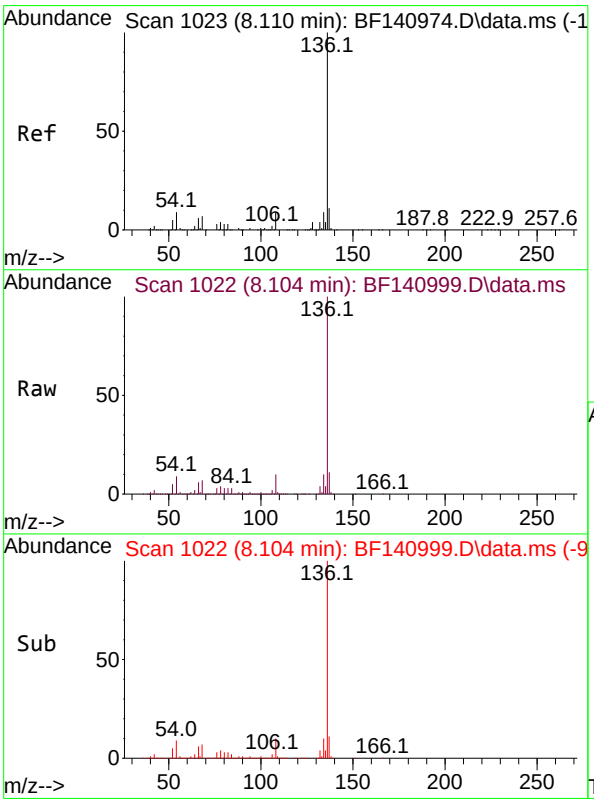
#7
Phenol-d6
Concen: 79.579 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion: 99 Resp: 1733092

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.0	22.4
71	32.3	26.2	39.2

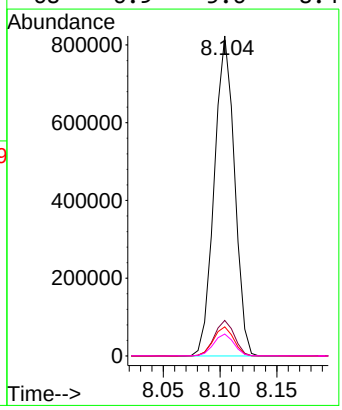


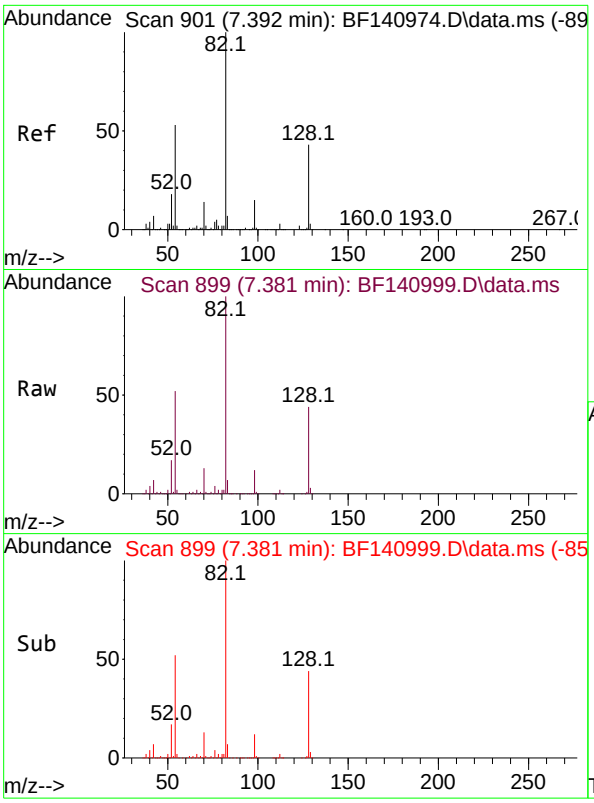


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:136 Resp: 1020665

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.1	7.6	11.4
68	6.9	5.6	8.4



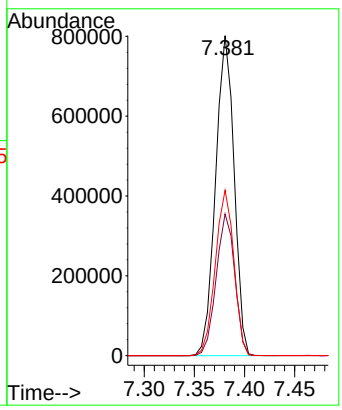


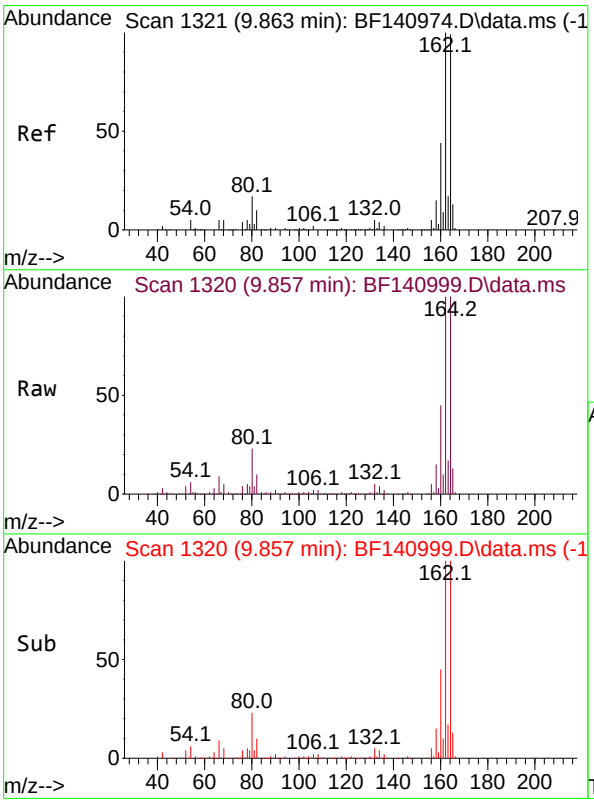
#23
Nitrobenzene-d5
Concen: 64.557 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion: 82 Resp: 1029902

Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.4	51.6
54	51.7	42.4	63.6

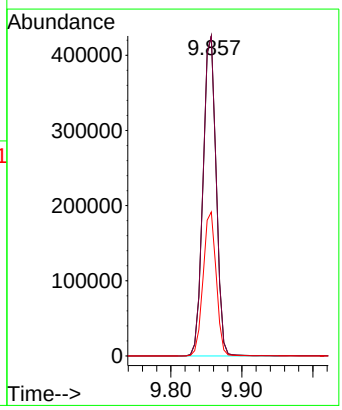


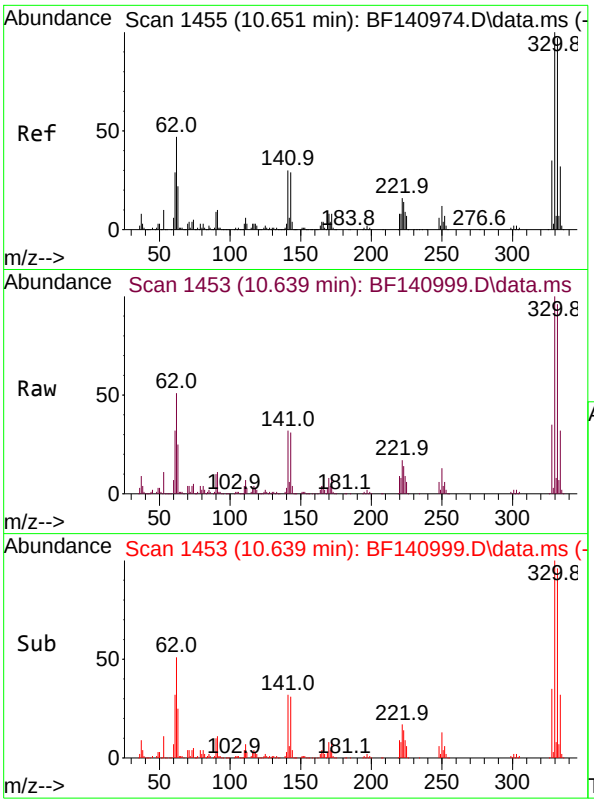


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:164 Resp: 546385

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	120.8
160	45.0	35.7	53.5



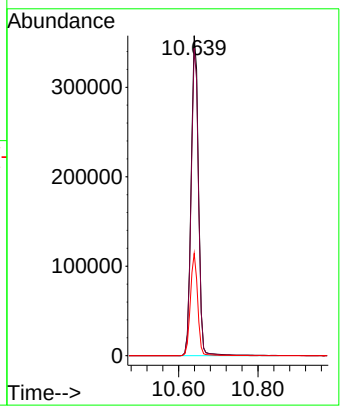


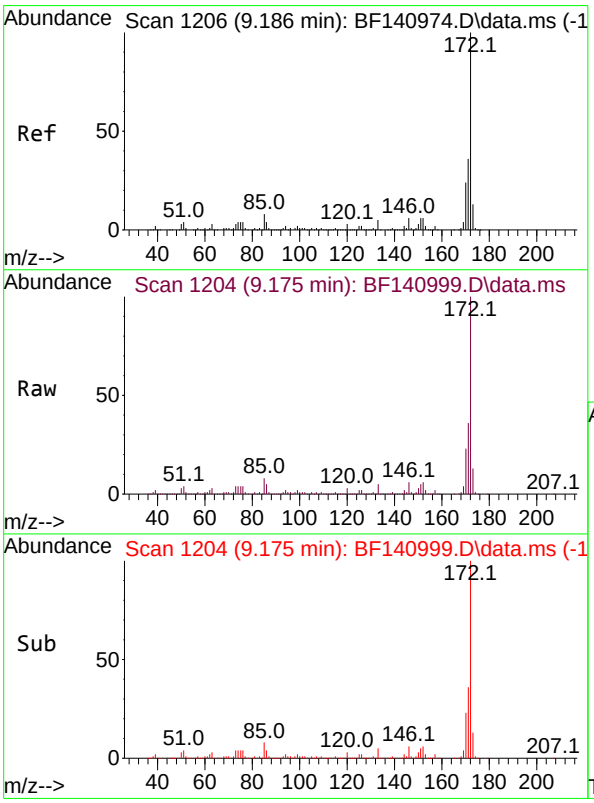
#42
2,4,6-Tribromophenol
Concen: 86.642 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:330 Resp: 460002

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	31.6	26.4	39.6

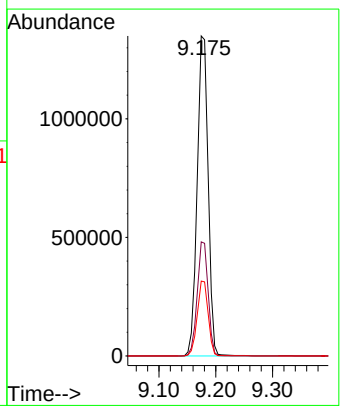


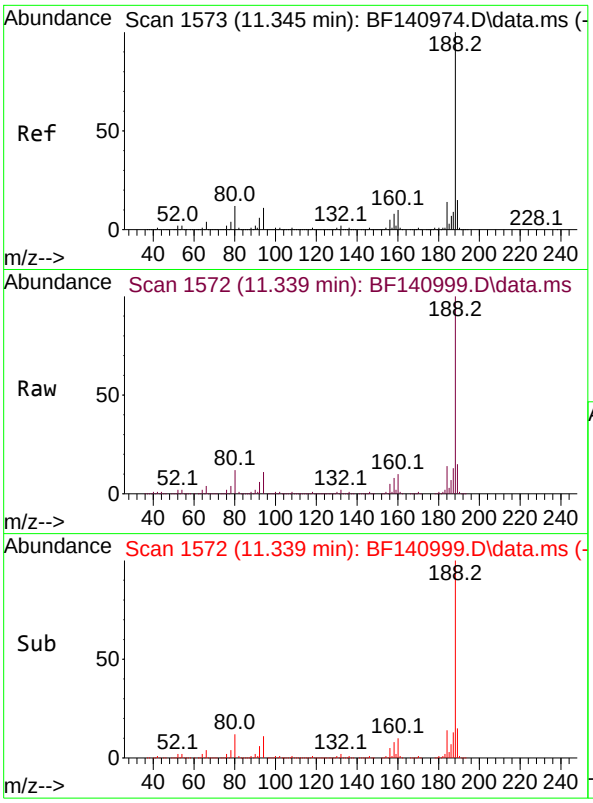


#45
2-Fluorobiphenyl
Concen: 53.147 ng
RT: 9.175 min Scan# 1204
Delta R.T. -0.012 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:172 Resp: 1822631

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	23.4	19.6	29.4



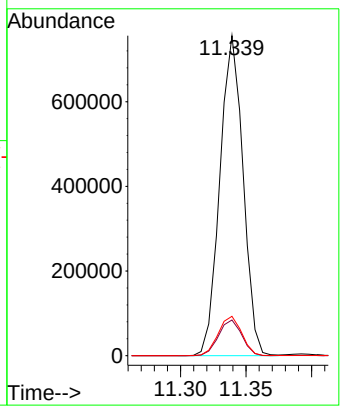


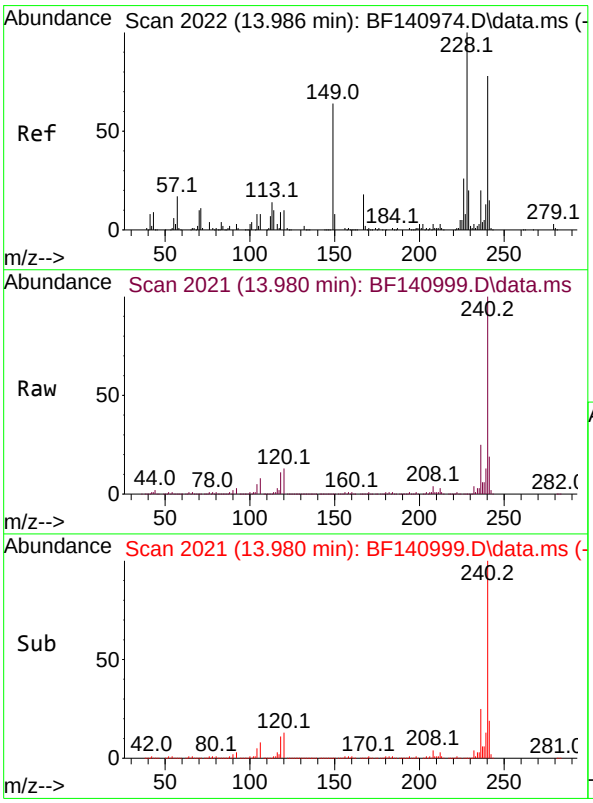
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:188 Resp: 930453

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	12.3	9.8	14.6

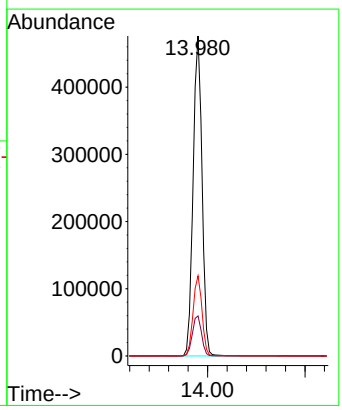


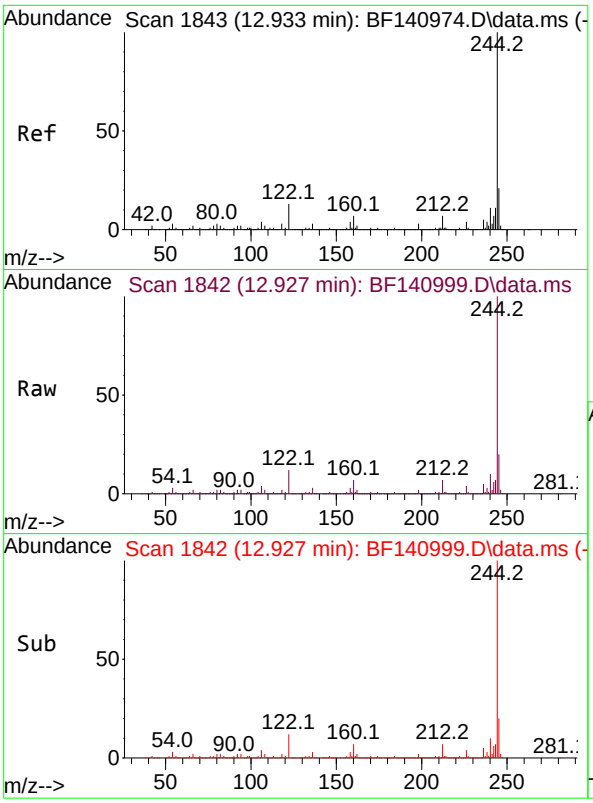


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:240 Resp: 608004

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.7	16.1
236	25.0	20.6	31.0



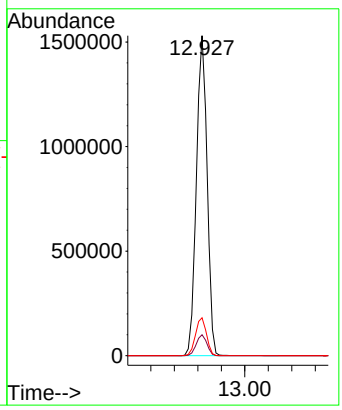


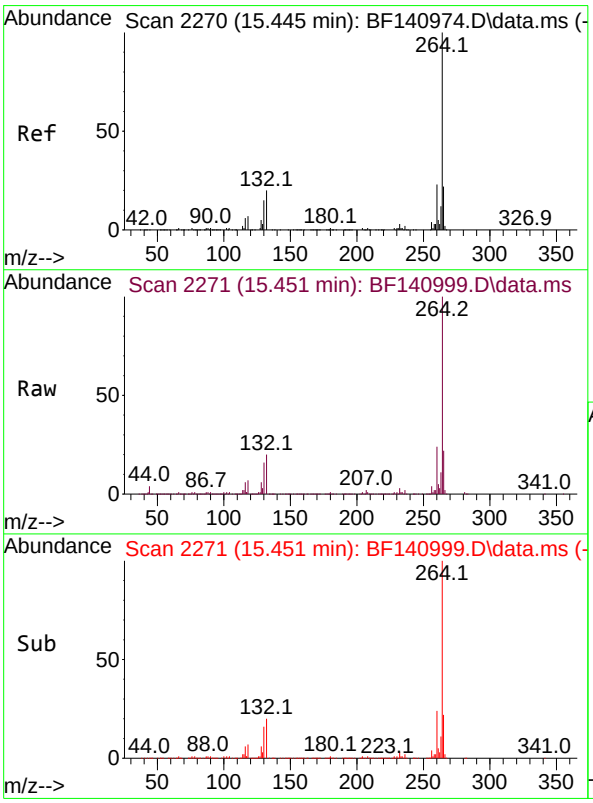
#79
Terphenyl-d14
Concen: 53.015 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:244 Resp: 1940618

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	11.9	10.2	15.2

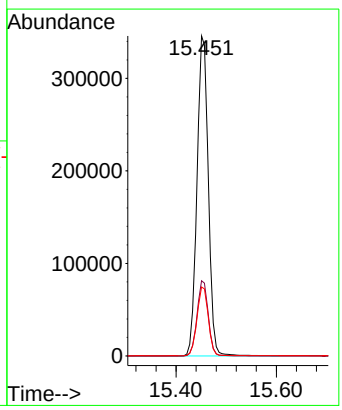




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:264 Resp: 540868

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.6	17.4	26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140999.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.893	299	306	314	rBV	53128	90305	1.70%	0.218%
2	5.034	491	500	507	rVB2	39686	70011	1.31%	0.169%
3	5.428	561	567	573	rBV	3402088	4689249	88.08%	11.335%
4	6.439	732	739	744	rBV	3597387	4926687	92.54%	11.909%
5	6.822	799	804	809	rBV	1263212	1537183	28.87%	3.716%
6	7.381	891	899	904	rBV	2351469	3047771	57.25%	7.367%
7	7.639	938	943	950	rVB	104040	130633	2.45%	0.316%
8	8.104	1015	1022	1027	rBV	1692011	2135980	40.12%	5.163%
9	8.322	1054	1059	1066	rVB	42723	63900	1.20%	0.154%
10	8.528	1090	1094	1103	rVB	37189	56489	1.06%	0.137%
11	8.698	1118	1123	1127	rBV	90256	115342	2.17%	0.279%
12	9.175	1199	1204	1210	rVV	4031602	5324043	100.00%	12.870%
13	9.263	1214	1219	1224	rBV	152957	192365	3.61%	0.465%
14	9.580	1268	1273	1281	rVB2	42339	76232	1.43%	0.184%
15	9.792	1305	1309	1313	rVB	52922	64624	1.21%	0.156%
16	9.857	1314	1320	1325	rBV	1820900	2347192	44.09%	5.674%
17	10.569	1436	1441	1447	rBV	728267	883124	16.59%	2.135%
18	10.639	1447	1453	1469	rVV	2729183	3485476	65.47%	8.425%
19	11.339	1567	1572	1579	rBV	1940326	2404298	45.16%	5.812%
20	11.410	1579	1584	1588	rVB3	62921	84934	1.60%	0.205%
21	11.869	1657	1662	1677	rBV2	401062	662568	12.44%	1.602%
22	12.657	1791	1796	1806	rVV	66783	113668	2.13%	0.275%
23	12.927	1836	1842	1847	rBV	4052158	5153376	96.79%	12.457%
24	13.833	1990	1996	2013	rBV	283366	504241	9.47%	1.219%
25	13.980	2015	2021	2030	rVV	1300302	1690798	31.76%	4.087%
26	14.480	2102	2106	2114	rBV	37613	67160	1.26%	0.162%
27	15.451	2265	2271	2278	rBV	950231	1451521	27.26%	3.509%

Sum of corrected areas: 41369170

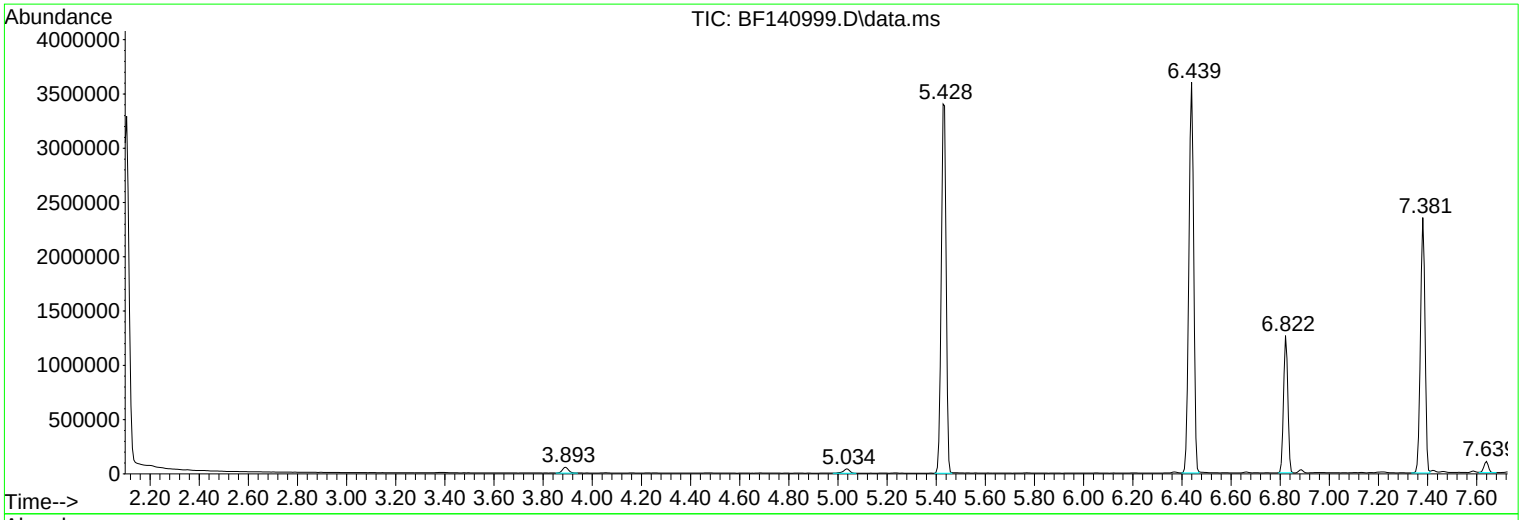
Sample Results: **BF140999.D**

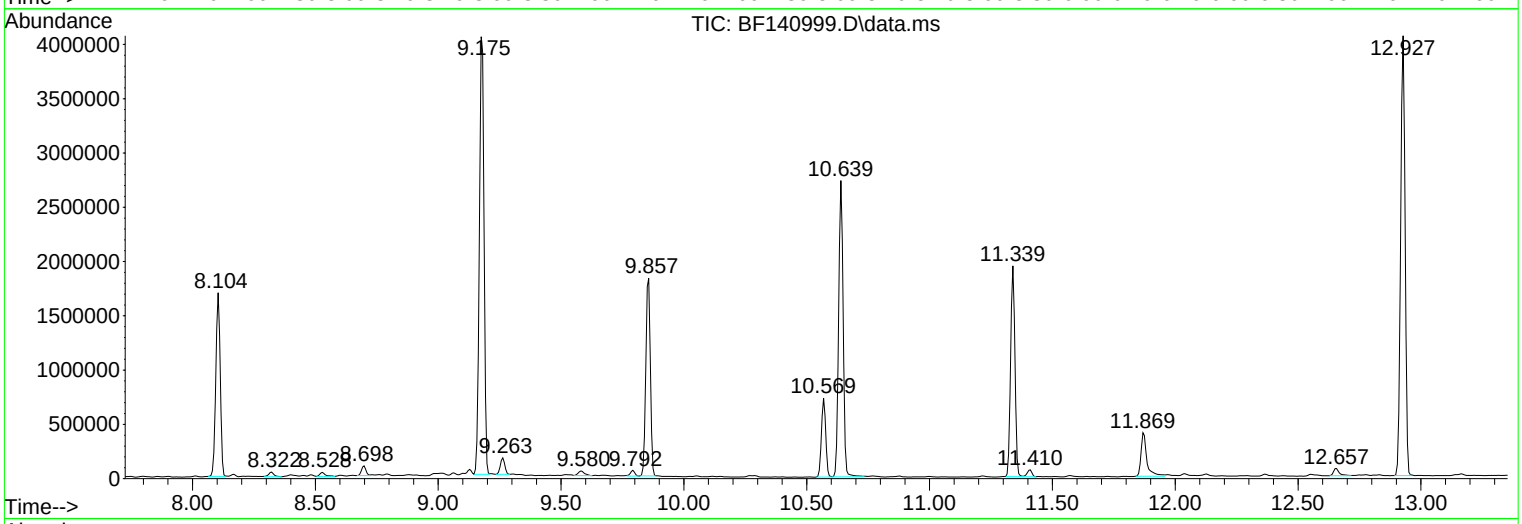
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

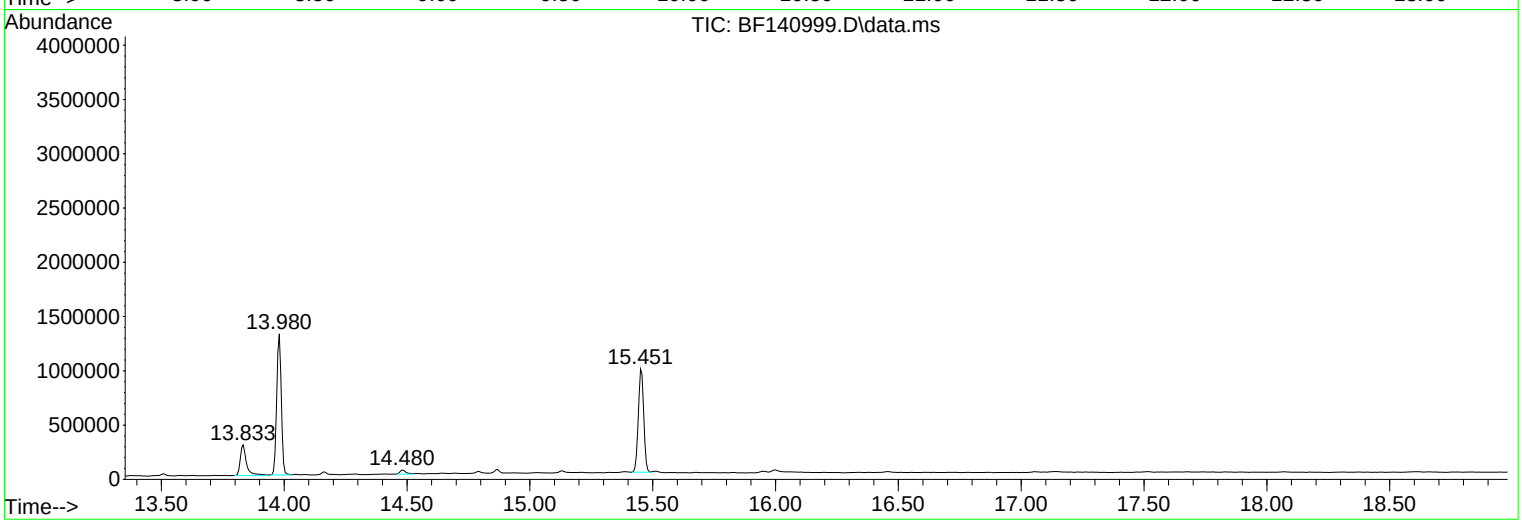
Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

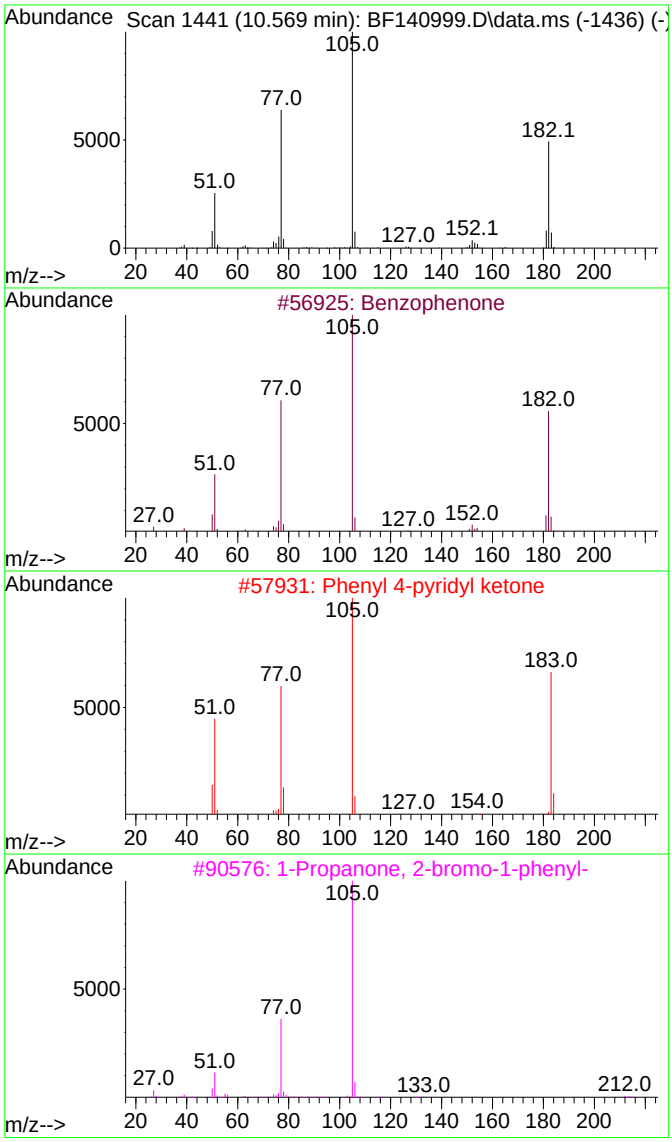
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

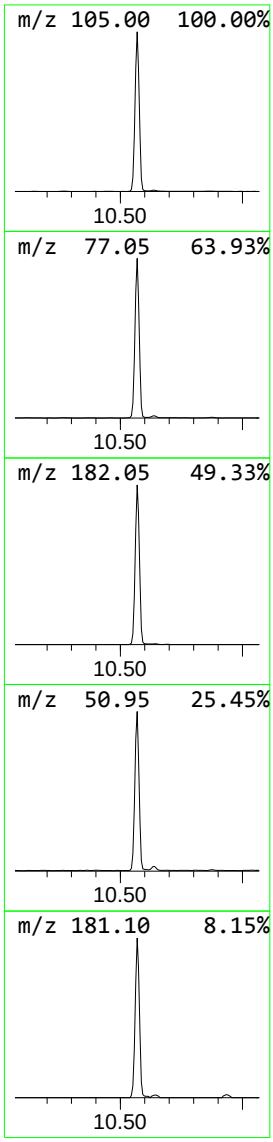
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	7.52 ng	883124	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	50
3	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4	Benzopinacol	366	C26H22O2	000464-72-2	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

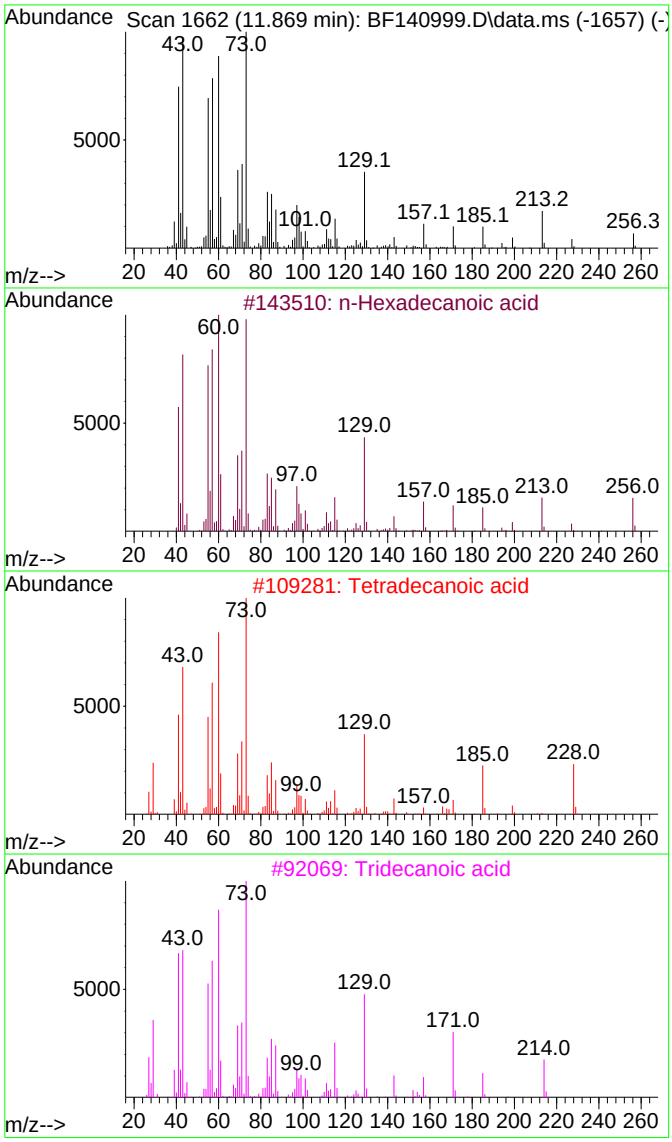
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

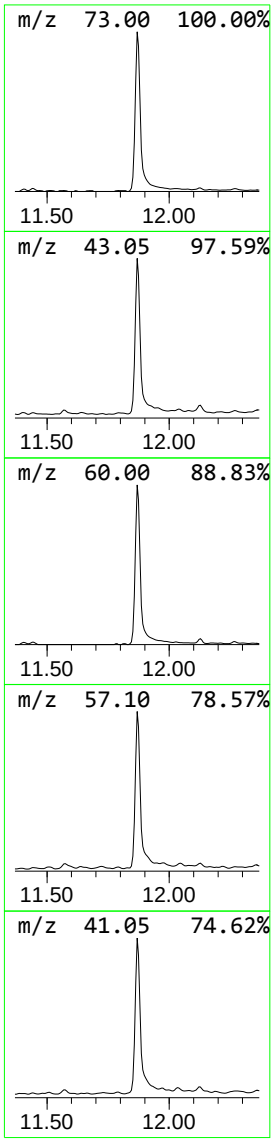
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	5.51 ng	662568	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

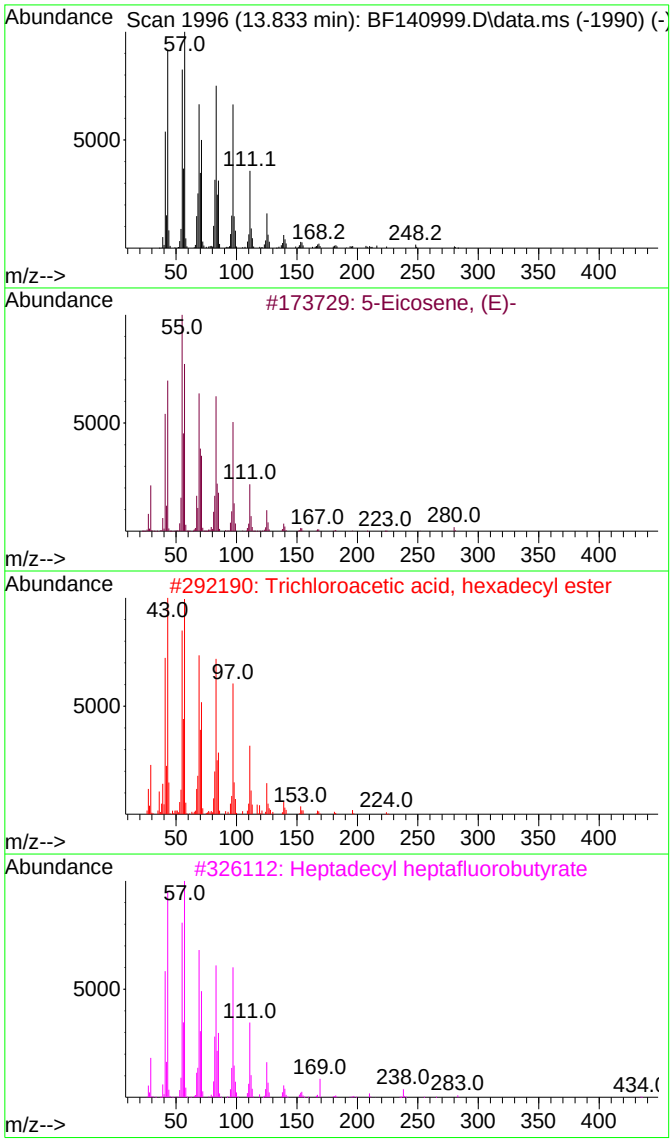
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

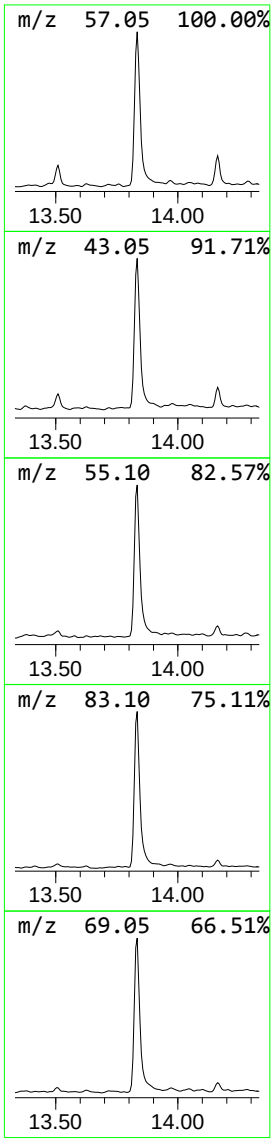
****

Peak Number 3 5-Eicosene, (E)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.833	5.96 ng	504241	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
4	1-Hexacosene	364	C26H52	018835-33-1	94
5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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
Benzophenone	10.569	7.5	ng	883124	3	9.857	2347190	20.0
n-Hexadecanoic ...	11.869	5.5	ng	662568	4	11.339	2404300	20.0
5-Eicosene, (E)-	13.833	6.0	ng	504241	5	13.980	1690800	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Time: Dec 27 16:36:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

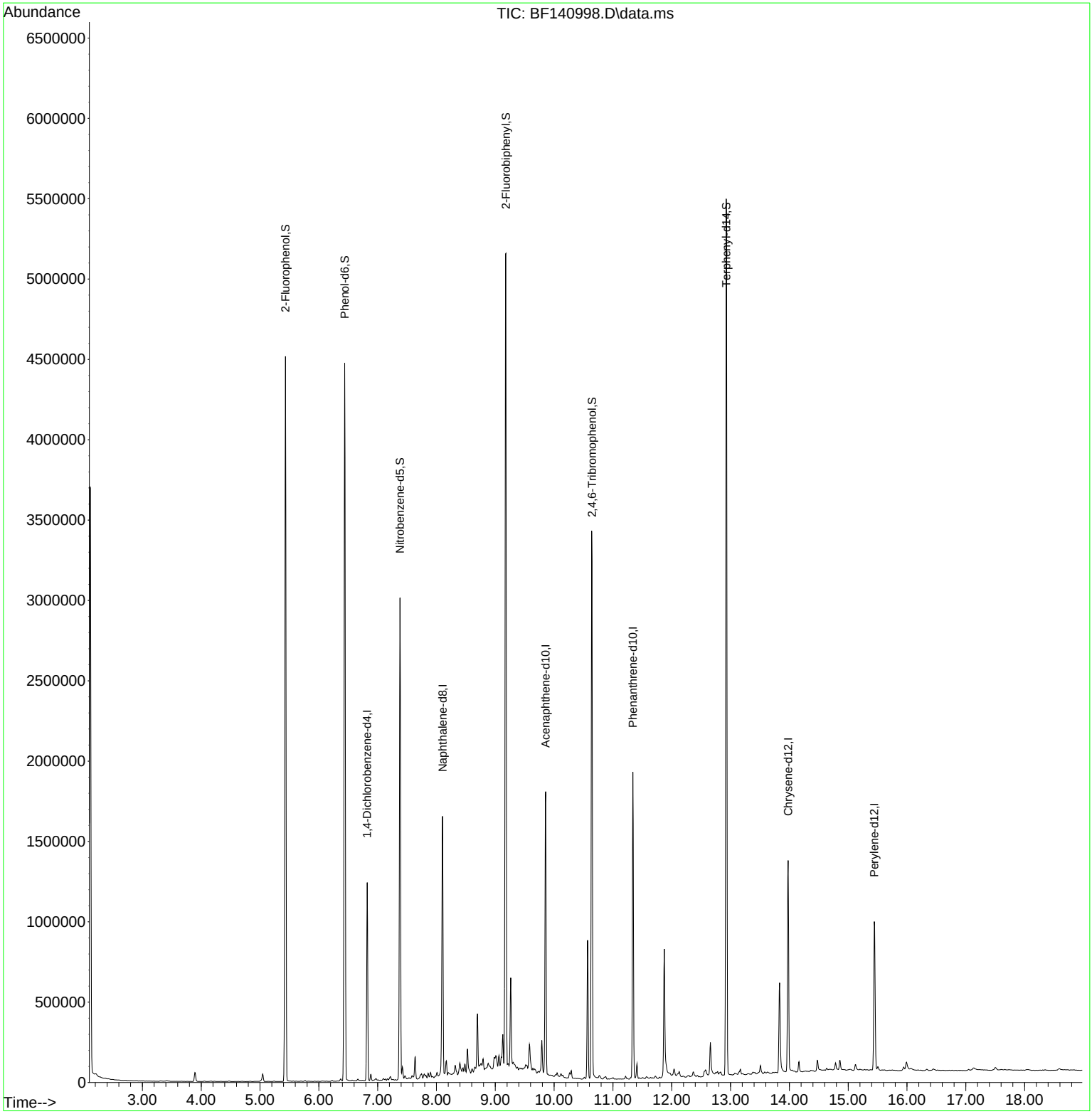
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	248948	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	990169	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	532678	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	920169	20.000	ng	0.00
76) Chrysene-d12	13.980	240	611482	20.000	ng	0.00
86) Perylene-d12	15.445	264	533372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1742406	105.503	ng	0.00
7) Phenol-d6	6.440	99	2199933	103.403	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1344513	86.873	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	606069	117.091	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2366923	70.795	ng	0.00
79) Terphenyl-d14	12.927	244	2710716	73.632	ng	0.00
Target Compounds						Qvalue

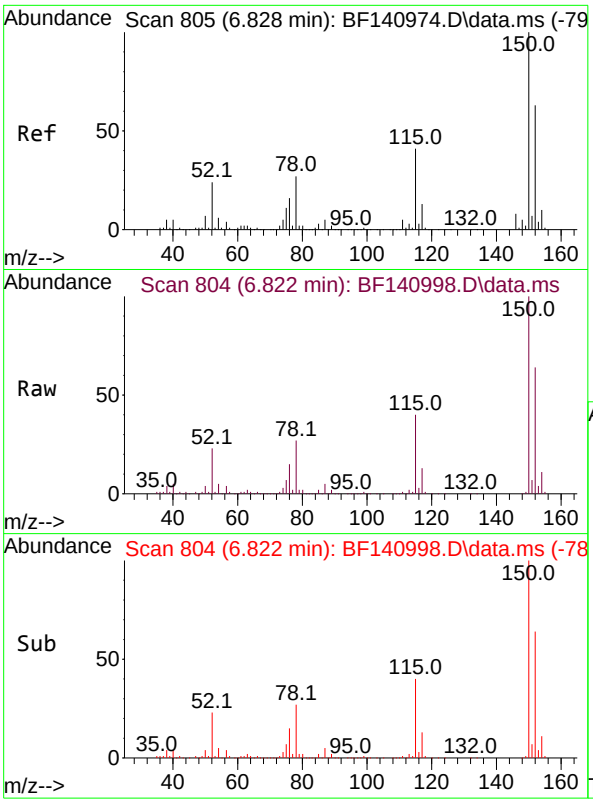
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Time: Dec 27 16:36:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



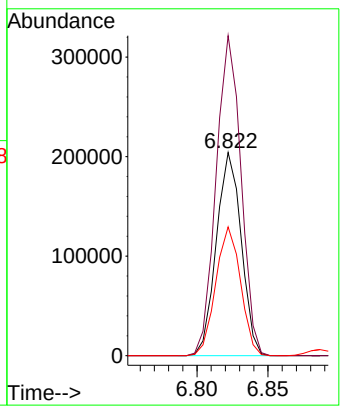


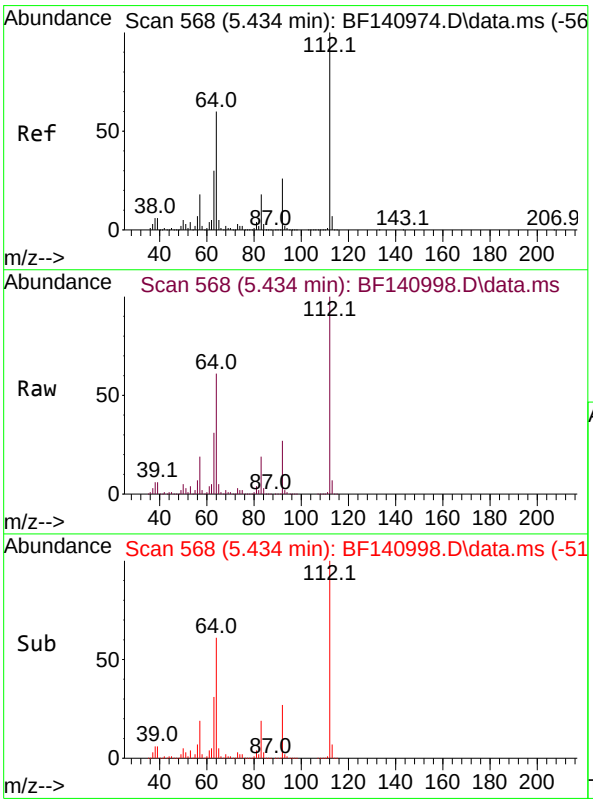
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:152 Resp: 248948

Ion	Ratio	Lower	Upper
152	100		
150	157.4	127.0	190.6
115	63.4	51.7	77.5

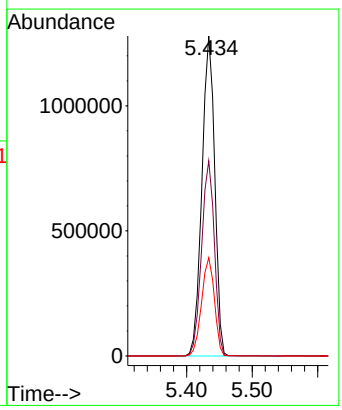


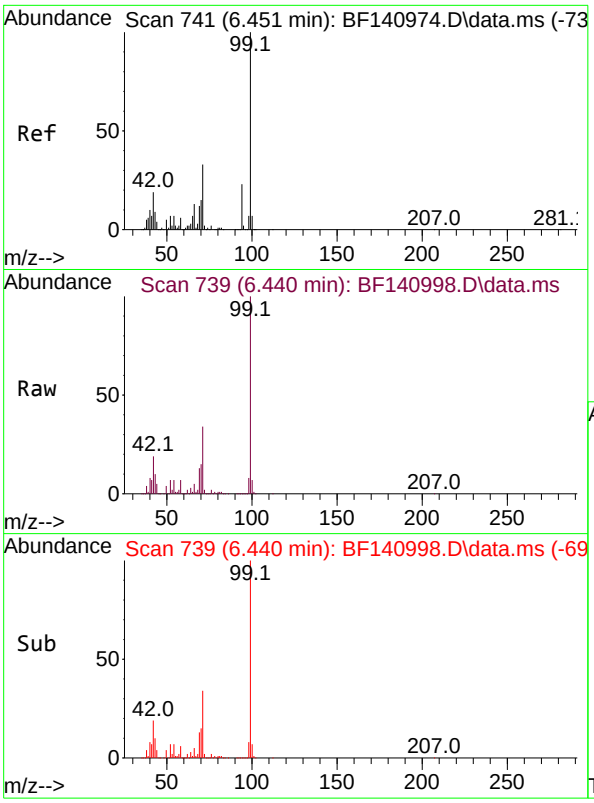


#5
2-Fluorophenol
Concen: 105.503 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:112 Resp: 1742406

Ion	Ratio	Lower	Upper
112	100		
64	61.0	47.7	71.5
63	30.7	24.2	36.2



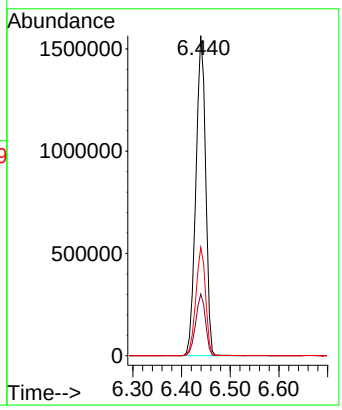


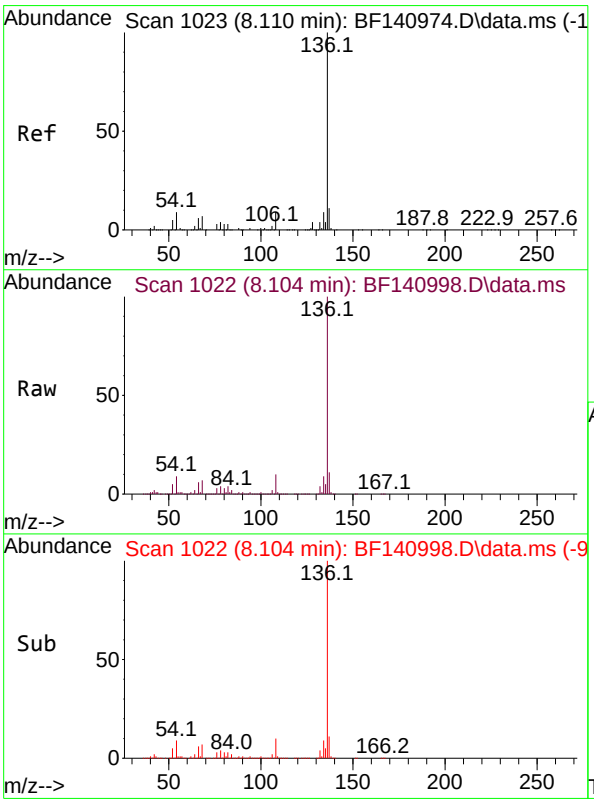
#7
Phenol-d6
Concen: 103.403 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion: 99 Resp: 2199933

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.0	22.4
71	33.9	26.2	39.2

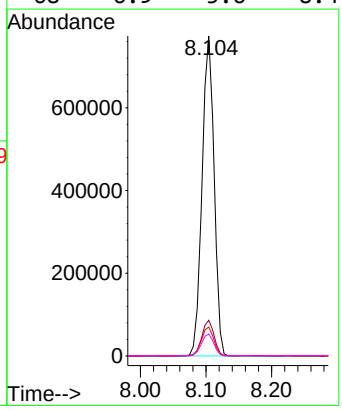


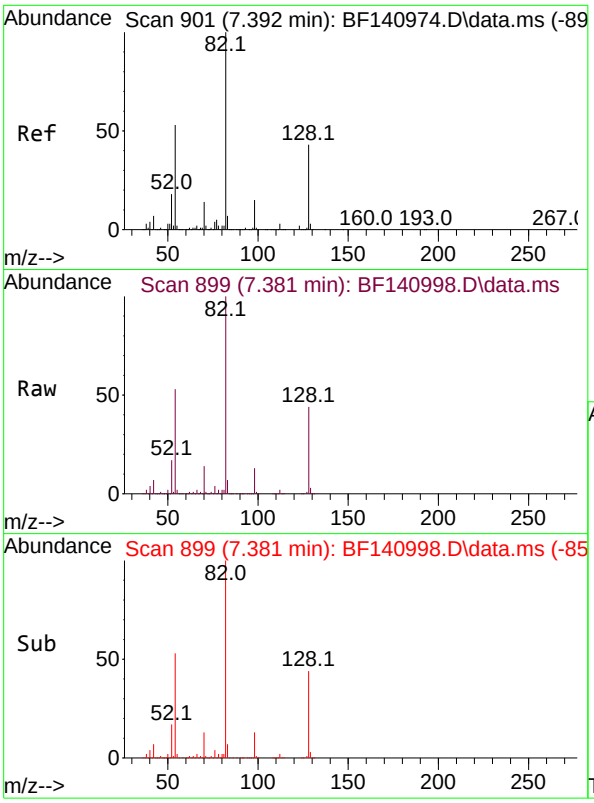


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:136 Resp: 990169

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.1	7.6	11.4
68	6.9	5.6	8.4



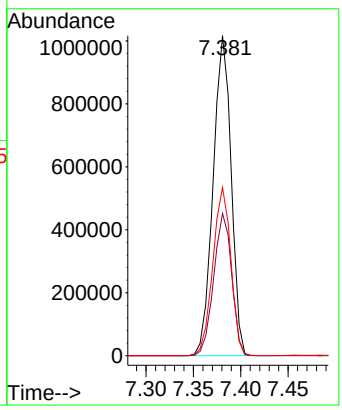


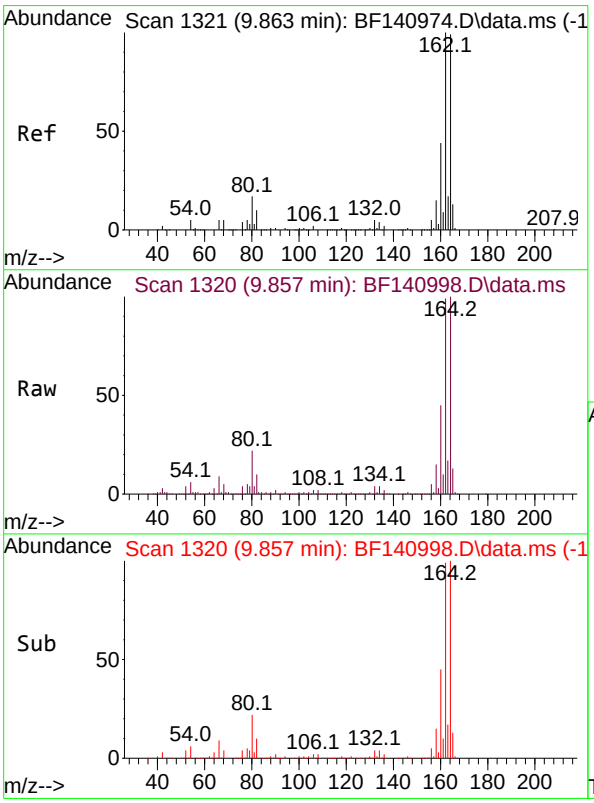
#23
Nitrobenzene-d5
Concen: 86.873 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion: 82 Resp: 1344513

Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.4	51.6
54	52.5	42.4	63.6

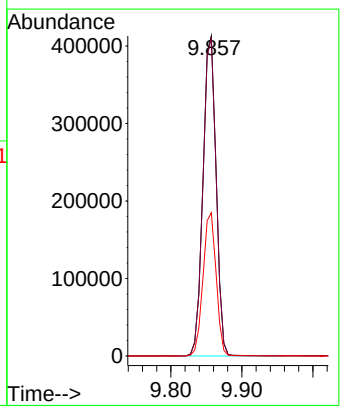


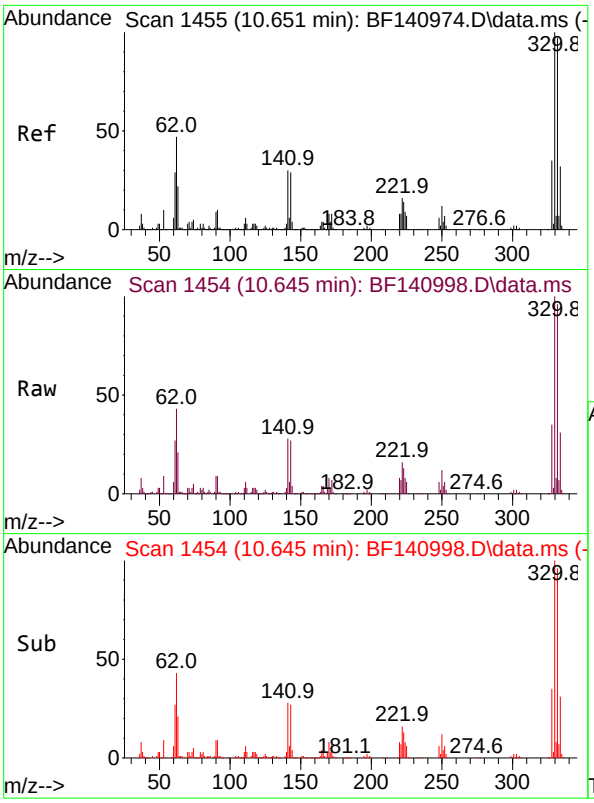


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:164 Resp: 532678

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.6	120.8
160	44.7	35.7	53.5



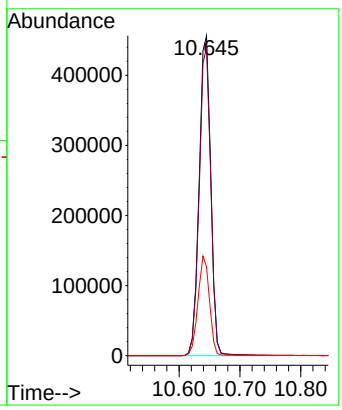


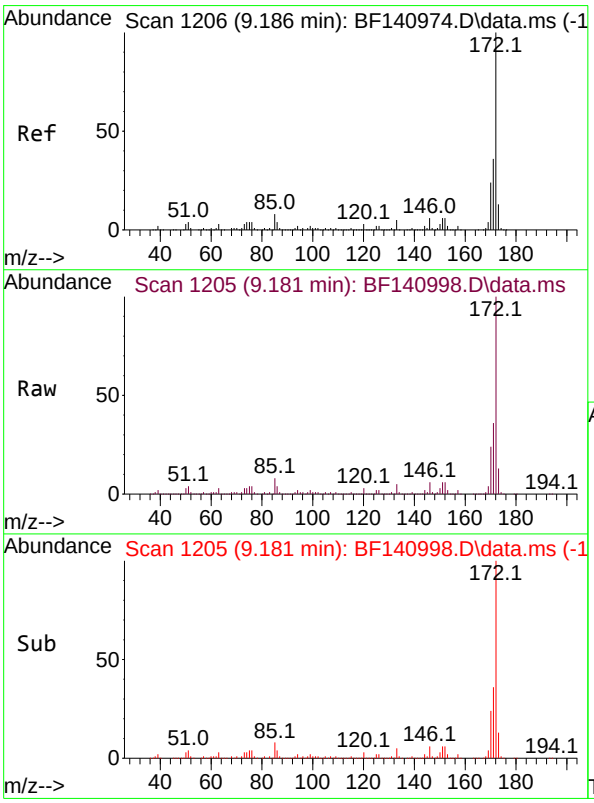
#42
2,4,6-Tribromophenol
Concen: 117.091 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:330 Resp: 606069

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.0	117.0
141	30.9	26.4	39.6

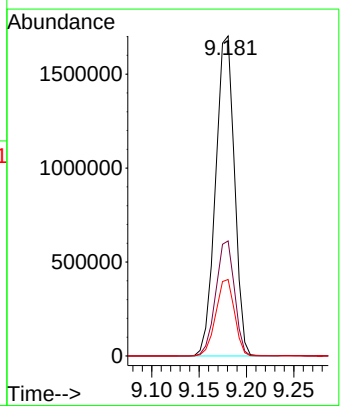


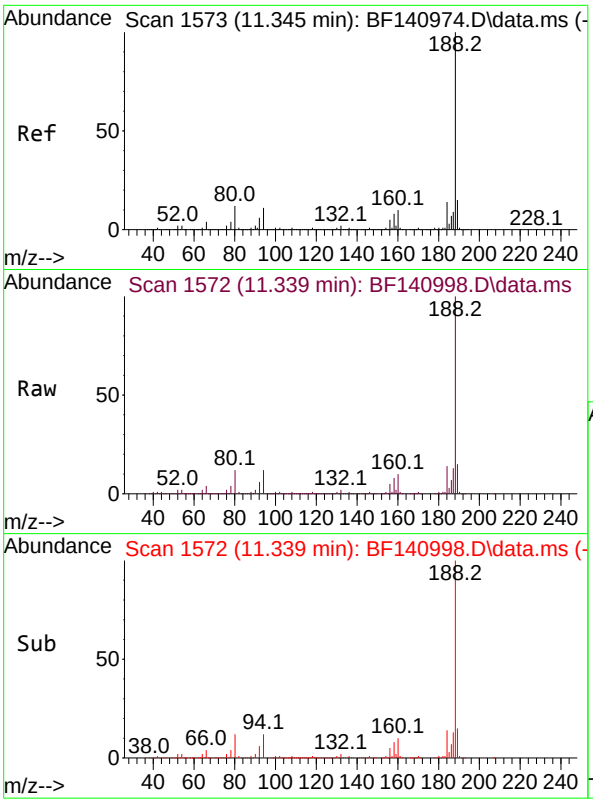


#45
2-Fluorobiphenyl
Concen: 70.795 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:172 Resp: 2366923

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.4
170	23.9	19.6	29.4



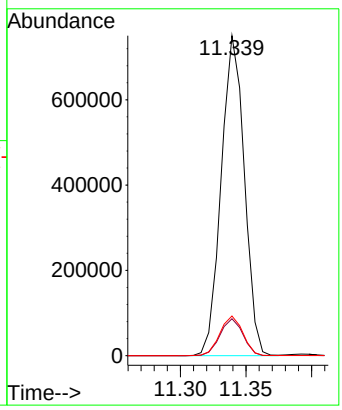


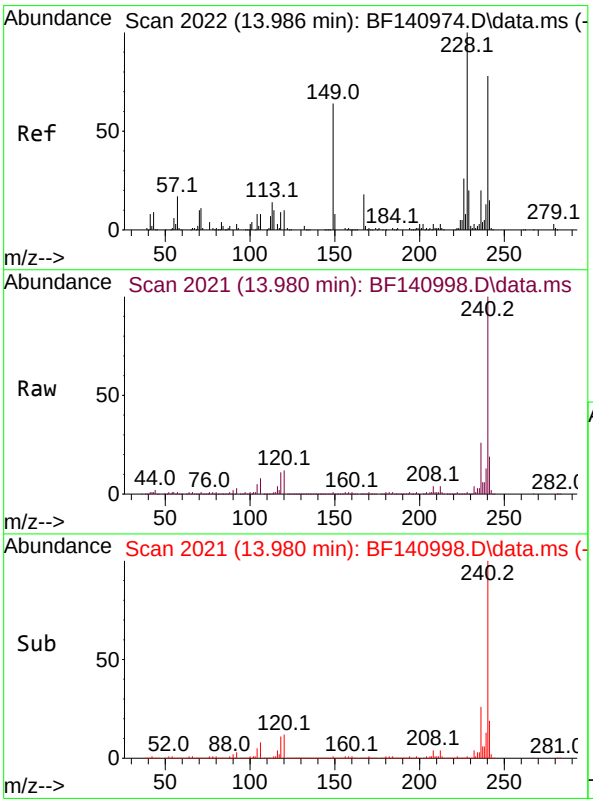
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:188 Resp: 920169

Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.0	13.6
80	12.4	9.8	14.6

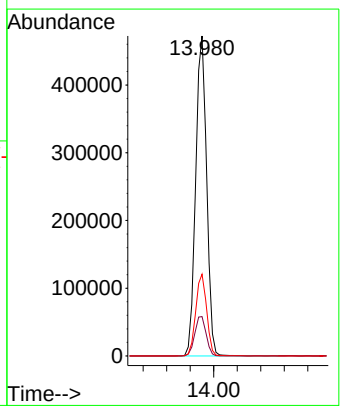


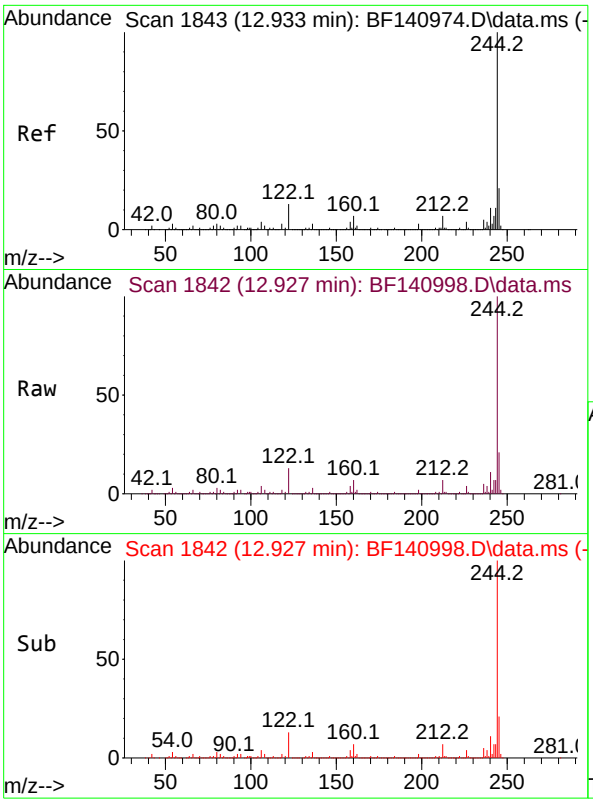


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:240 Resp: 611482

Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.7	16.1
236	25.6	20.6	31.0



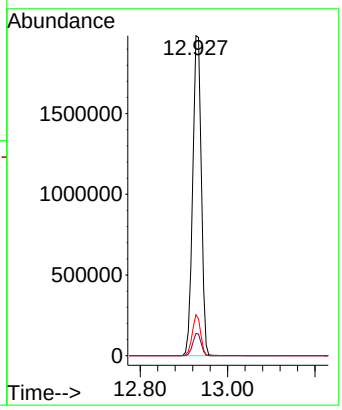


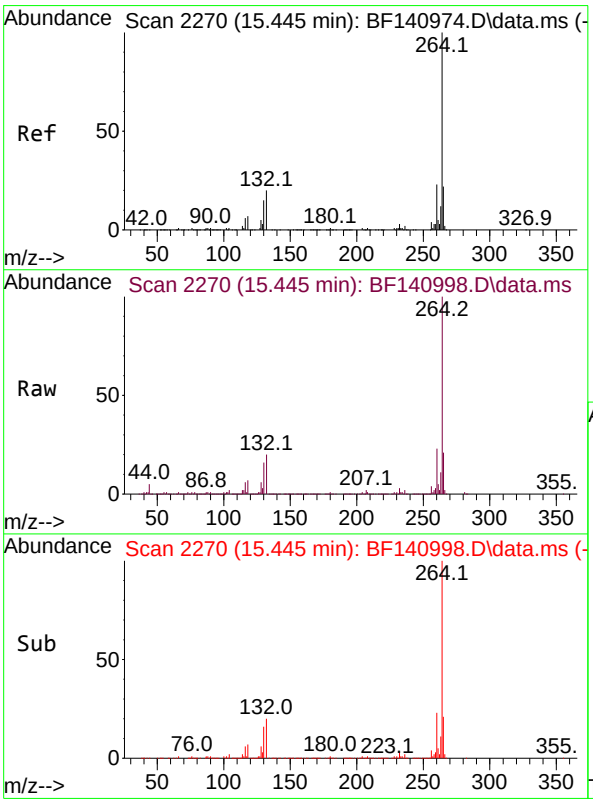
#79
Terphenyl-d14
Concen: 73.632 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:244 Resp: 2710716

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	12.8	10.2	15.2

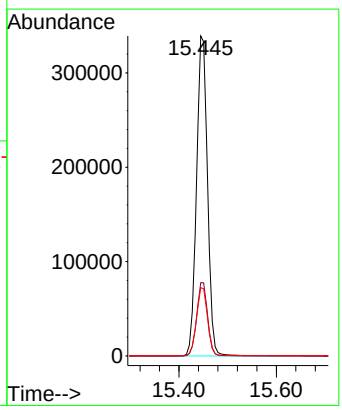




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:264 Resp: 533372

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	21.4	17.4	26.2



Sample Results: **BF140998.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.893	297	306	315	rBV	56114	95906	1.31%	0.175%
2	5.046	492	502	508	rVB	47169	83271	1.13%	0.152%
3	5.434	561	568	573	rBV	4512168	6146107	83.65%	11.222%
4	6.440	732	739	745	rBV	4467023	6331156	86.17%	11.560%
5	6.822	799	804	810	rVB	1232077	1512528	20.59%	2.762%
6	7.381	890	899	904	rBV	3001706	4021656	54.73%	7.343%
7	7.422	904	906	910	rVB	70753	77659	1.06%	0.142%
8	7.639	938	943	950	rVB2	138497	195688	2.66%	0.357%
9	8.104	1012	1022	1027	rBV	1611546	2281149	31.05%	4.165%
10	8.169	1027	1033	1036	rVB	86185	115295	1.57%	0.211%
11	8.316	1054	1058	1066	rVB4	58046	109580	1.49%	0.200%
12	8.398	1066	1072	1078	rBV4	74582	158812	2.16%	0.290%
13	8.481	1083	1086	1090	rVV2	59223	83887	1.14%	0.153%
14	8.528	1090	1094	1103	rVB	150059	237971	3.24%	0.434%
15	8.698	1118	1123	1127	rVV	342487	450543	6.13%	0.823%
16	8.792	1136	1139	1143	rVB2	65722	83813	1.14%	0.153%
17	8.986	1167	1172	1173	rBV2	70143	98345	1.34%	0.180%
18	9.063	1181	1185	1188	rBV	67494	77930	1.06%	0.142%
19	9.128	1193	1196	1199	rVV	192227	224866	3.06%	0.411%
20	9.181	1199	1205	1209	rVB	5047657	7026377	95.63%	12.829%
21	9.263	1214	1219	1224	rBV	548122	719770	9.80%	1.314%
22	9.581	1268	1273	1281	rVB2	158452	289845	3.94%	0.529%
23	9.792	1305	1309	1313	rVB	199483	245284	3.34%	0.448%
24	9.857	1313	1320	1325	rVB	1759246	2313587	31.49%	4.224%
25	10.569	1435	1441	1447	rBV	860677	1087363	14.80%	1.985%
26	10.639	1447	1453	1467	rBV	3406005	4560799	62.07%	8.327%
27	11.339	1567	1572	1579	rVV	1903833	2349662	31.98%	4.290%
28	11.410	1579	1584	1588	rVB2	91688	117421	1.60%	0.214%
29	11.874	1654	1663	1677	rBV2	801438	1315974	17.91%	2.403%
30	12.574	1774	1782	1790	rBV5	41354	126072	1.72%	0.230%
31	12.657	1791	1796	1808	rVV	201357	332185	4.52%	0.607%
32	12.927	1836	1842	1848	rBV	5453407	7347570	100.00%	13.416%
33	13.510	1937	1941	1948	rVB	50790	79378	1.08%	0.145%
34	13.833	1991	1996	2013	rBV	558557	907712	12.35%	1.657%
35	13.980	2015	2021	2029	rBV	1313759	1754927	23.88%	3.204%
36	14.163	2048	2052	2061	rVB	62364	84977	1.16%	0.155%

Sample Results: **BF140998.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.474	2101	2105	2119	rBV2	66412	127556	1.74%	0.233%
38	14.857	2167	2170	2177	rVB	57131	80869	1.10%	0.148%
39	15.445	2264	2270	2277	rBV	924074	1435631	19.54%	2.621%
40	15.992	2359	2363	2372	rVB4	42500	80034	1.09%	0.146%

Sum of corrected areas: 54769155

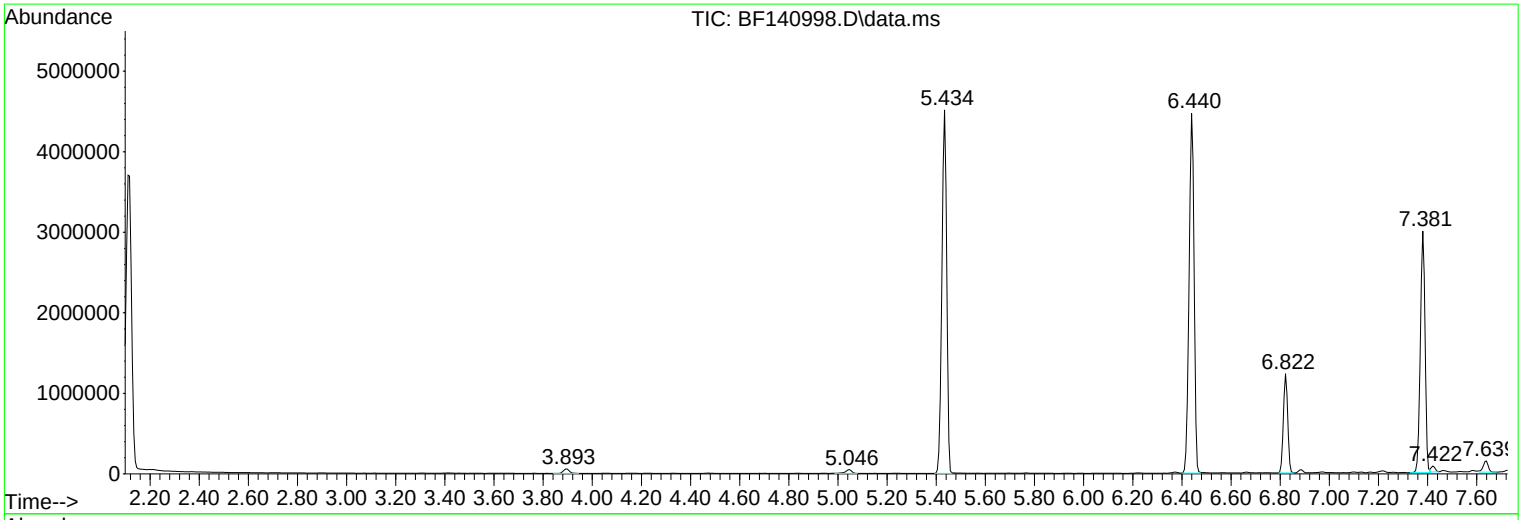
Sample Results: **BF140998.D**

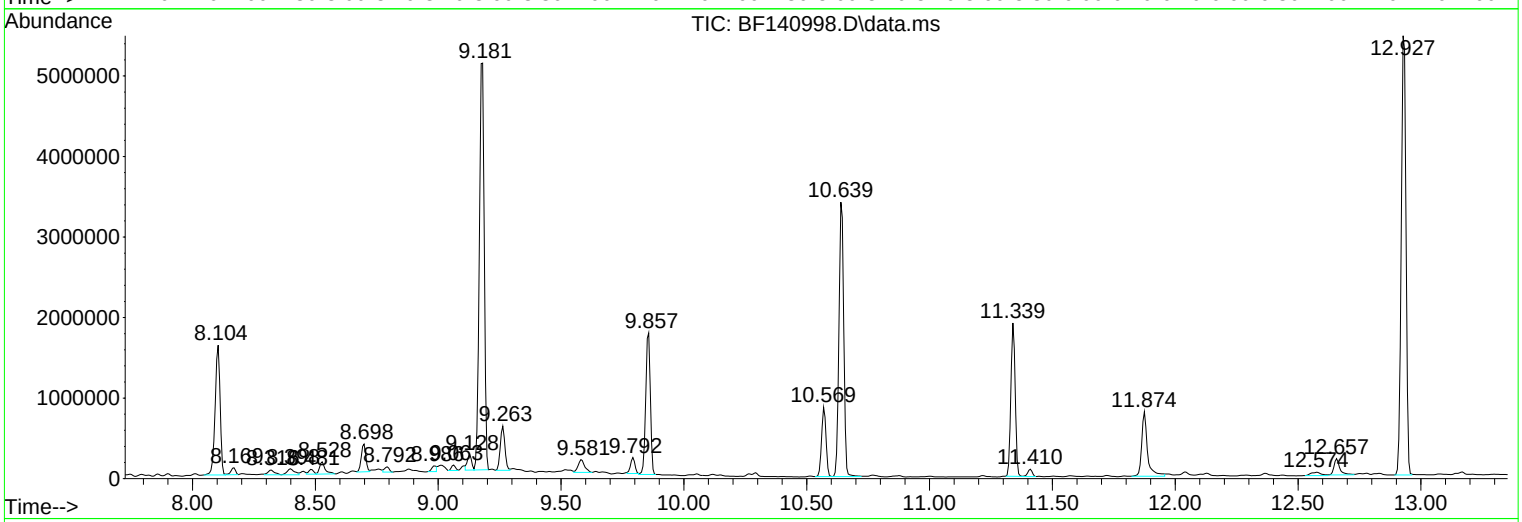
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

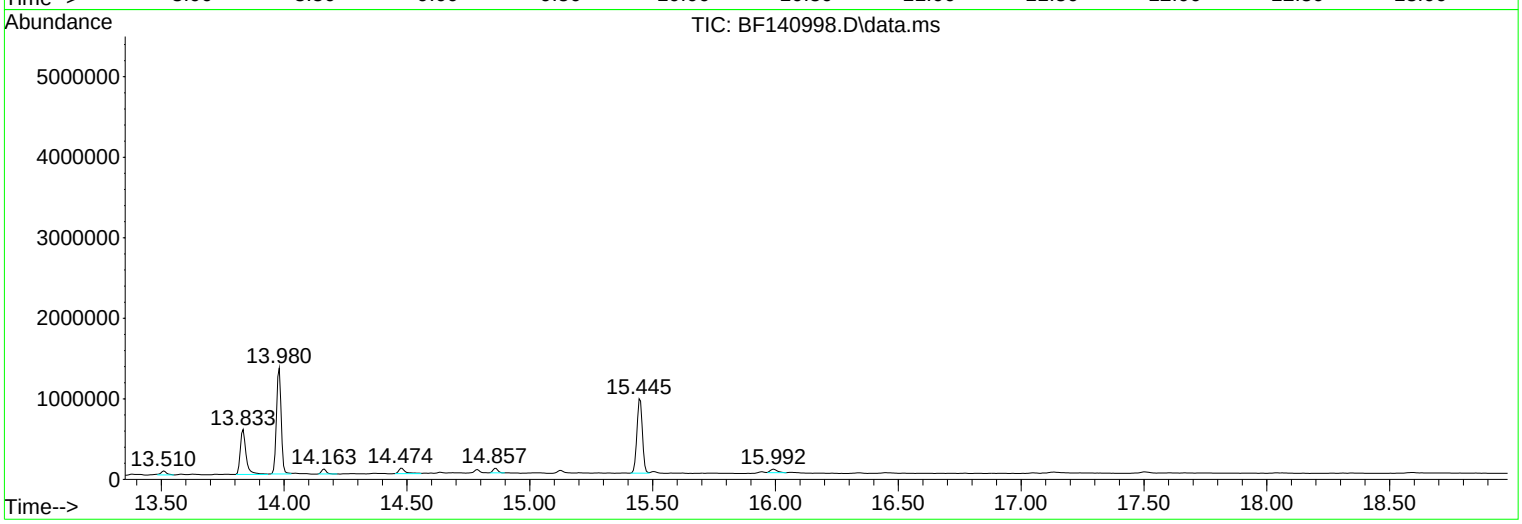
Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

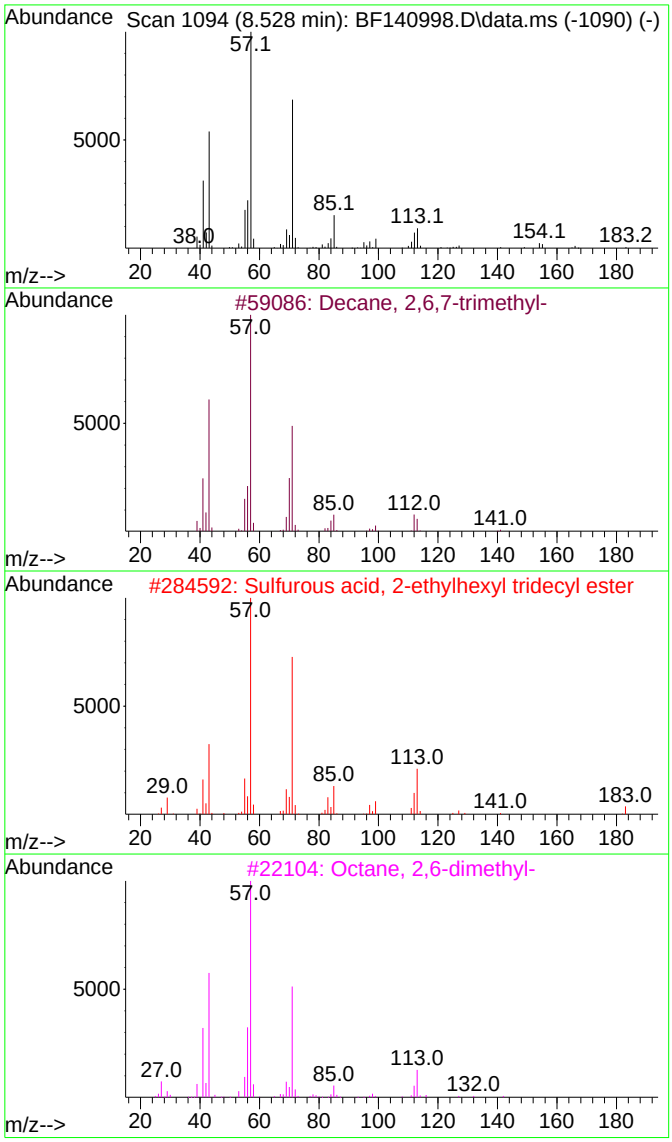
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

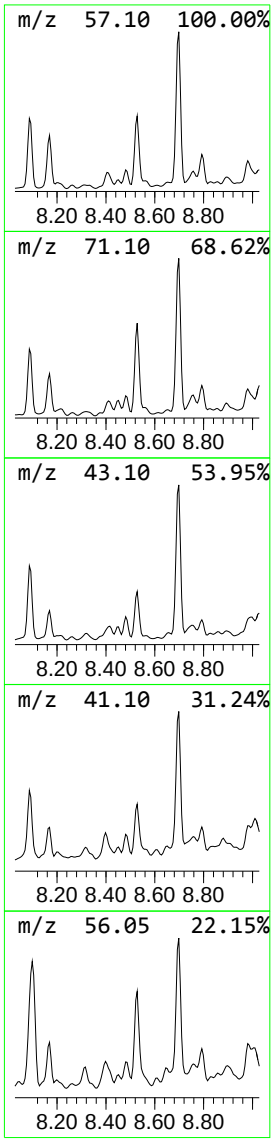
****

Peak Number 1 Decane, 2,6,7-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.528	2.09 ng	237971	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	78
2	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	72
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

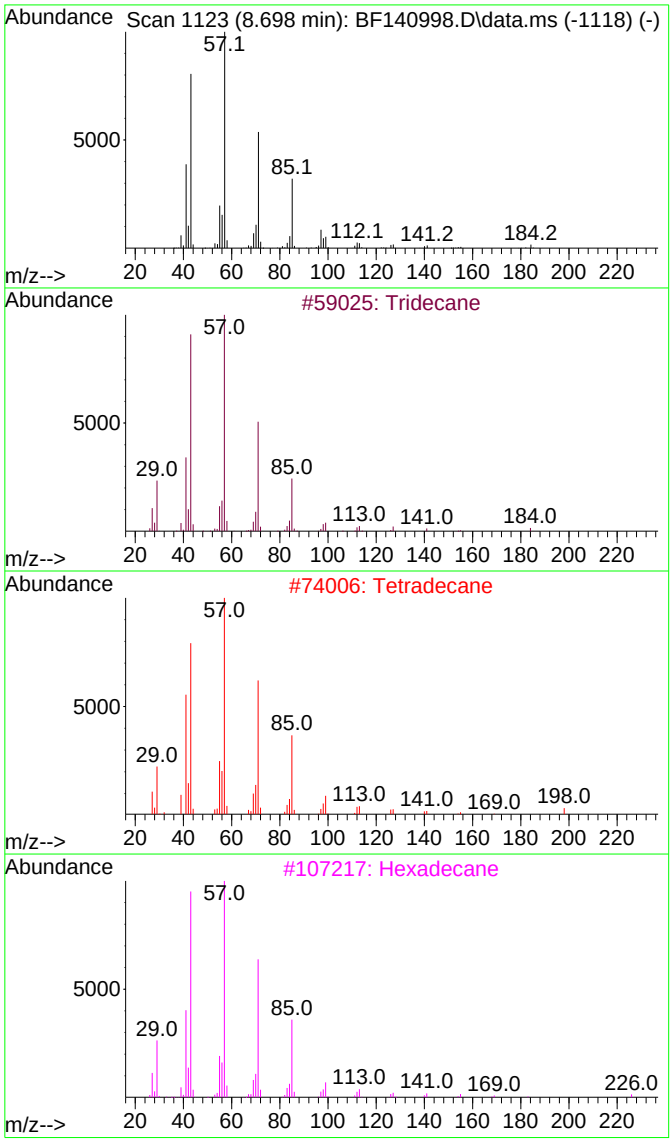
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

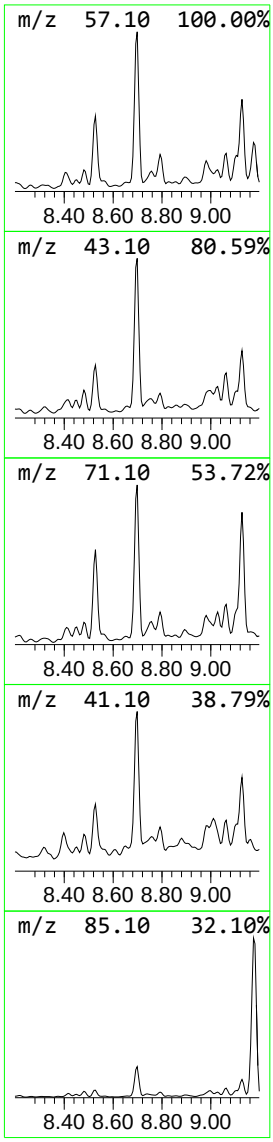
****

Peak Number 2 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.698	3.95 ng	450543	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Tetradecane	198	C14H30	000629-59-4	86
3	Hexadecane	226	C16H34	000544-76-3	80
4	Dodecane	170	C12H26	000112-40-3	78
5	Pentadecane	212	C15H32	000629-62-9	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

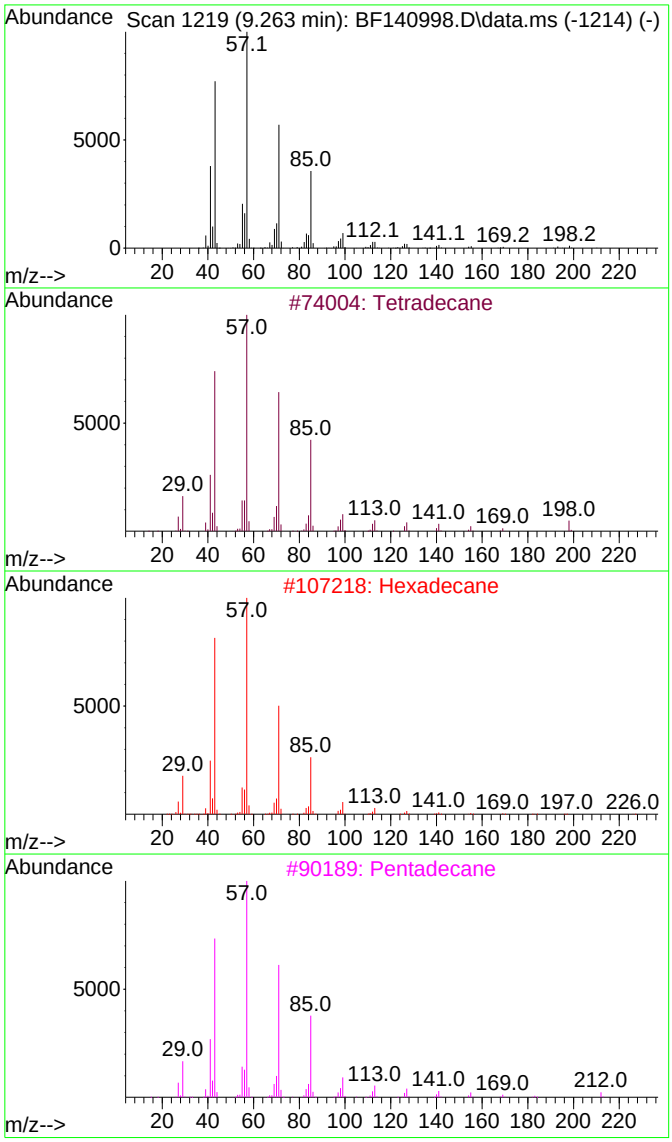
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

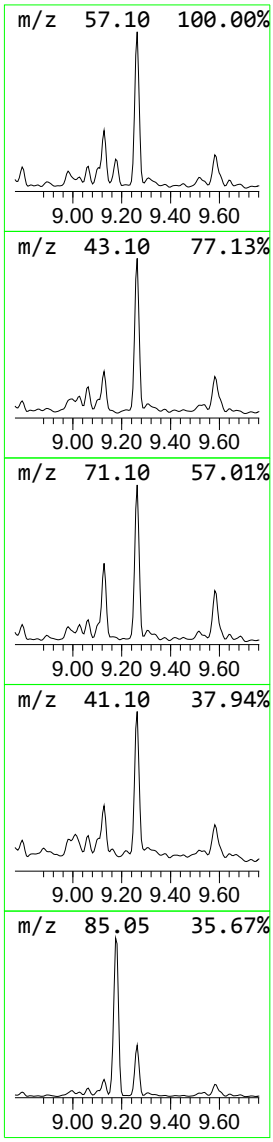
****

Peak Number 3 Tetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.263	6.22 ng	719770	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Hexadecane	226	C16H34	000544-76-3	91
3	Pentadecane	212	C15H32	000629-62-9	90
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	80
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

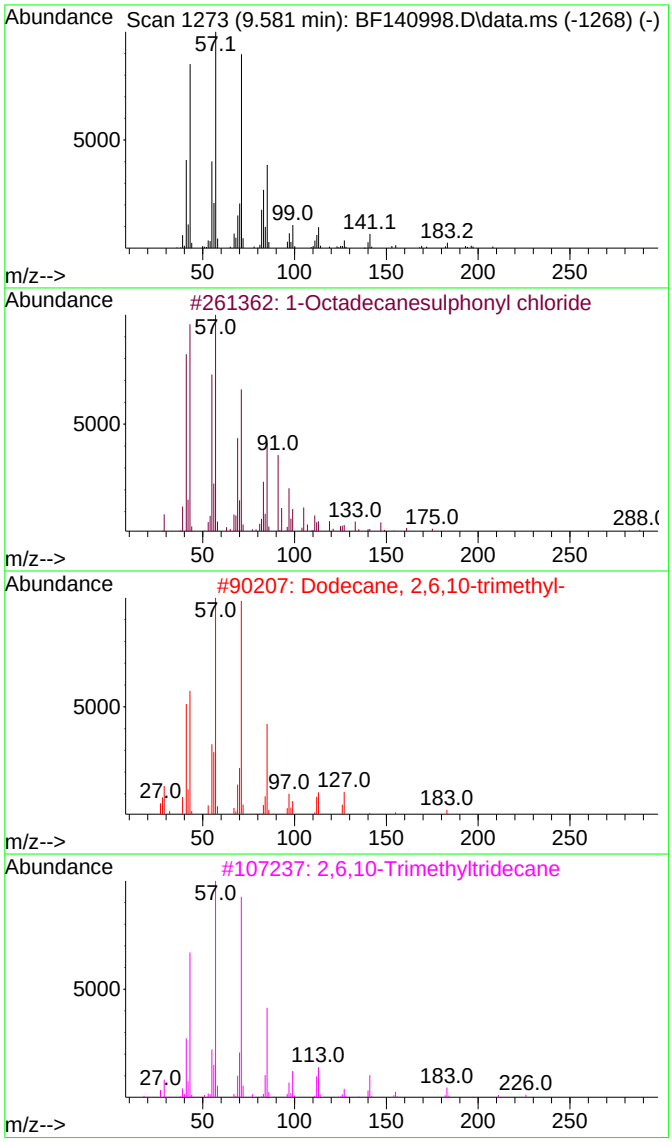
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

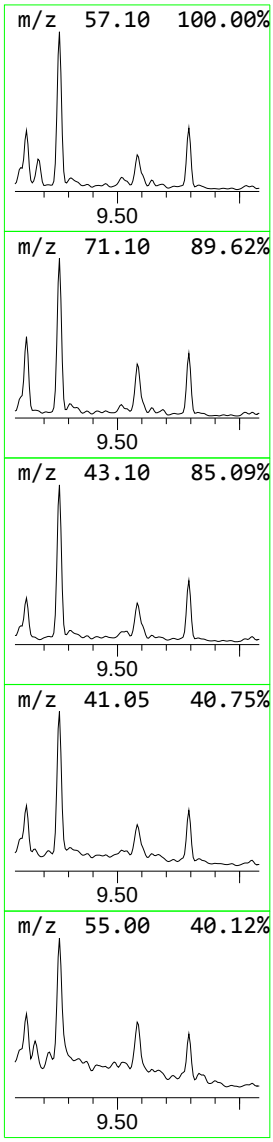
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1-Octadecanesulphonyl chloride Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.581	2.51 ng	289845	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	90
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
3	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	80
4	Hexadecane	226	C16H34	000544-76-3	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

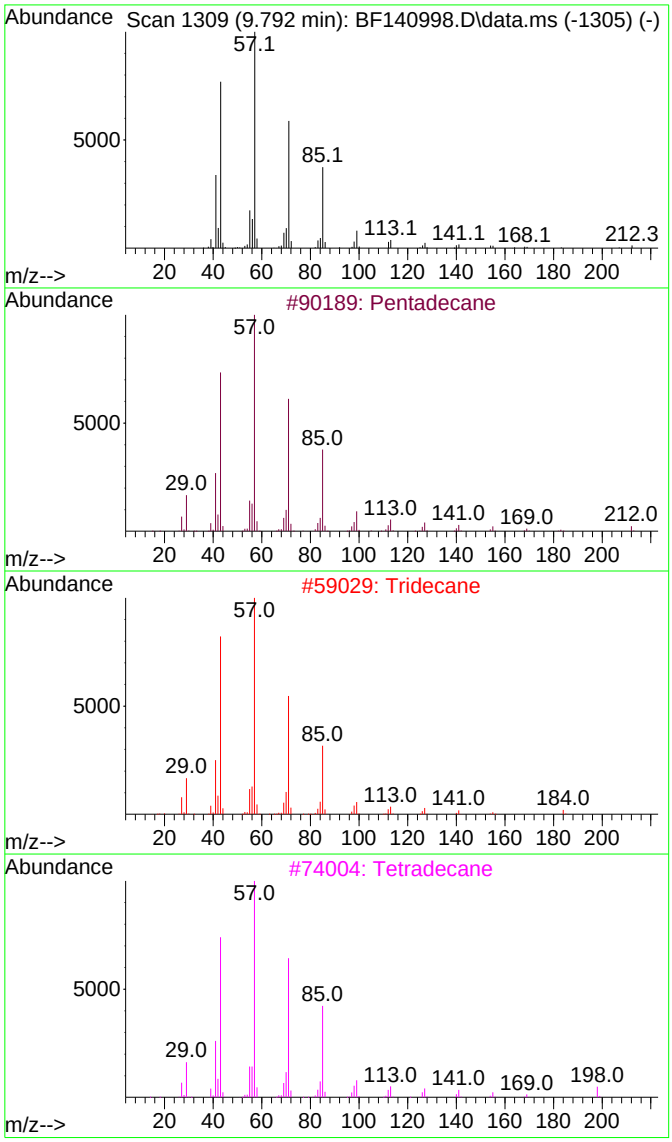
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

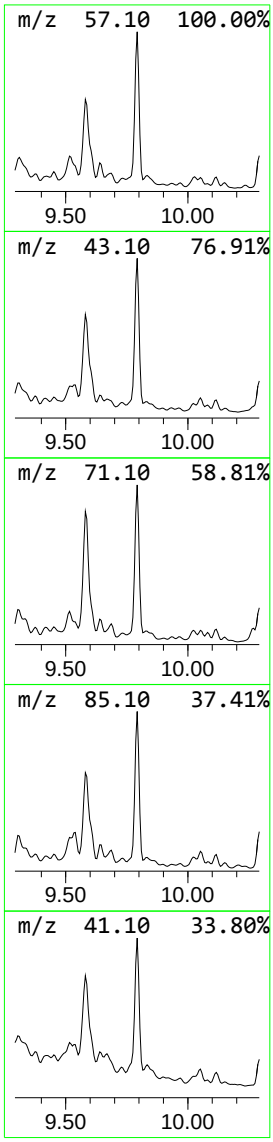
****

Peak Number 5 Pentadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.792	2.12 ng	245284	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	95
2	Tridecane	184	C13H28	000629-50-5	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

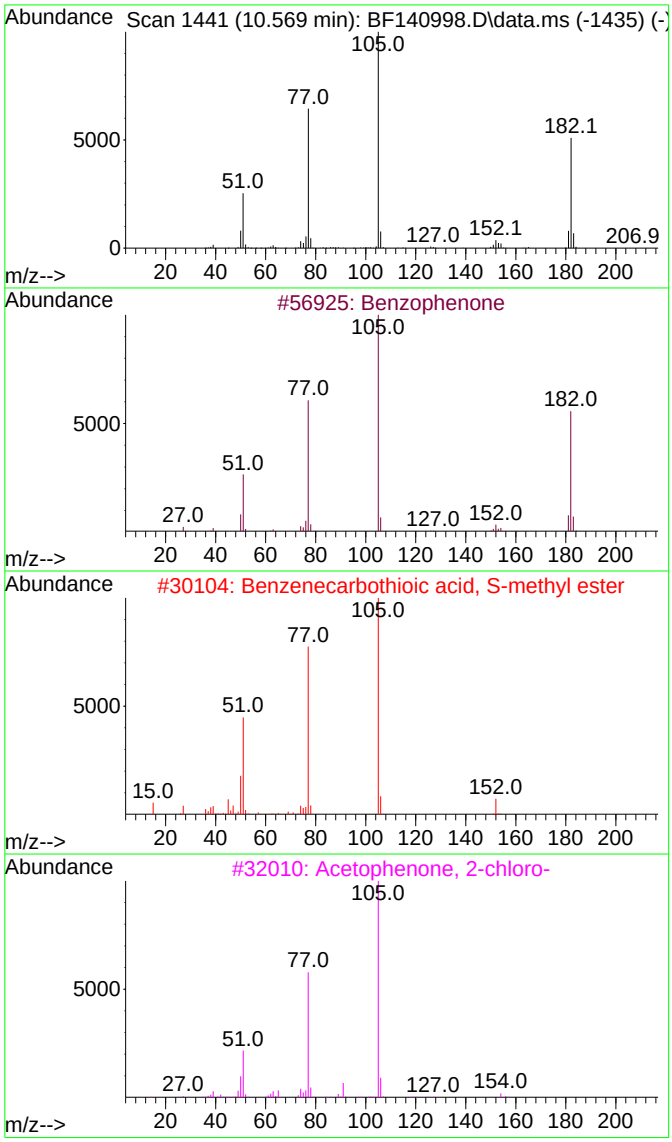
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

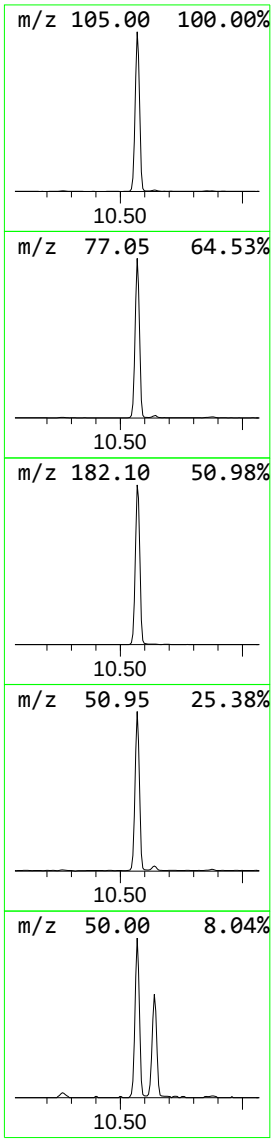
****

Peak Number 6 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	9.40 ng	1087360	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47





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Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

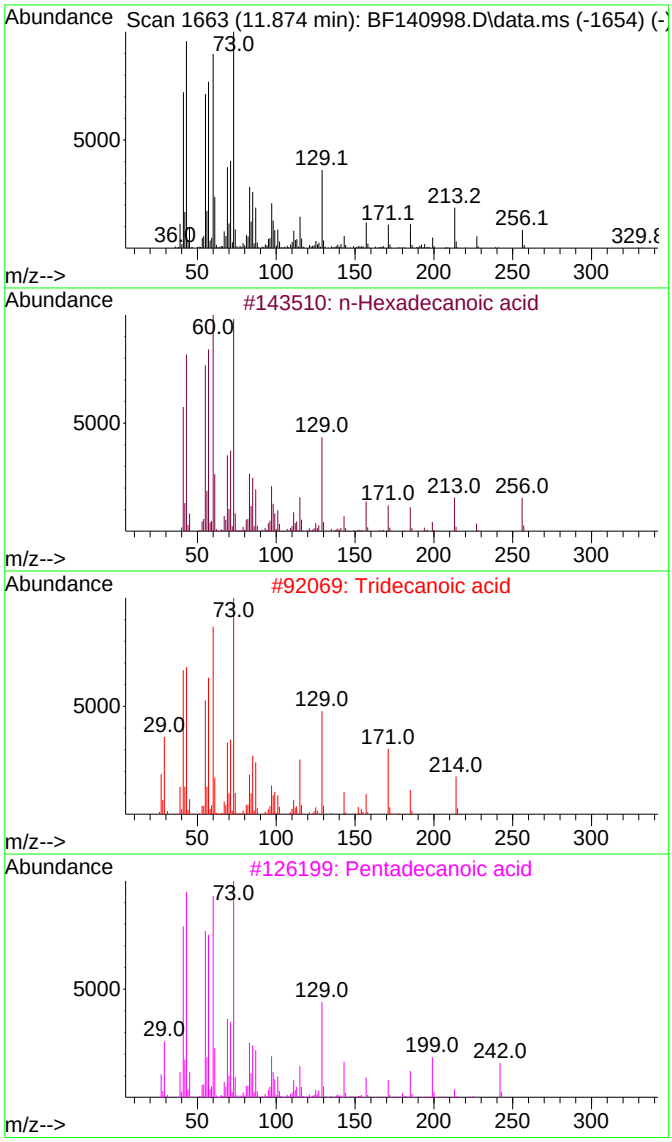
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

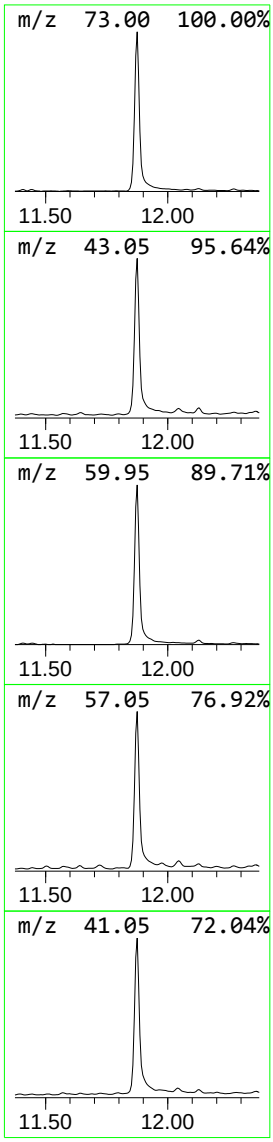
****

Peak Number 7 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	11.20 ng	1315970	Phenanthrene-d10	11.339

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	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	76
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

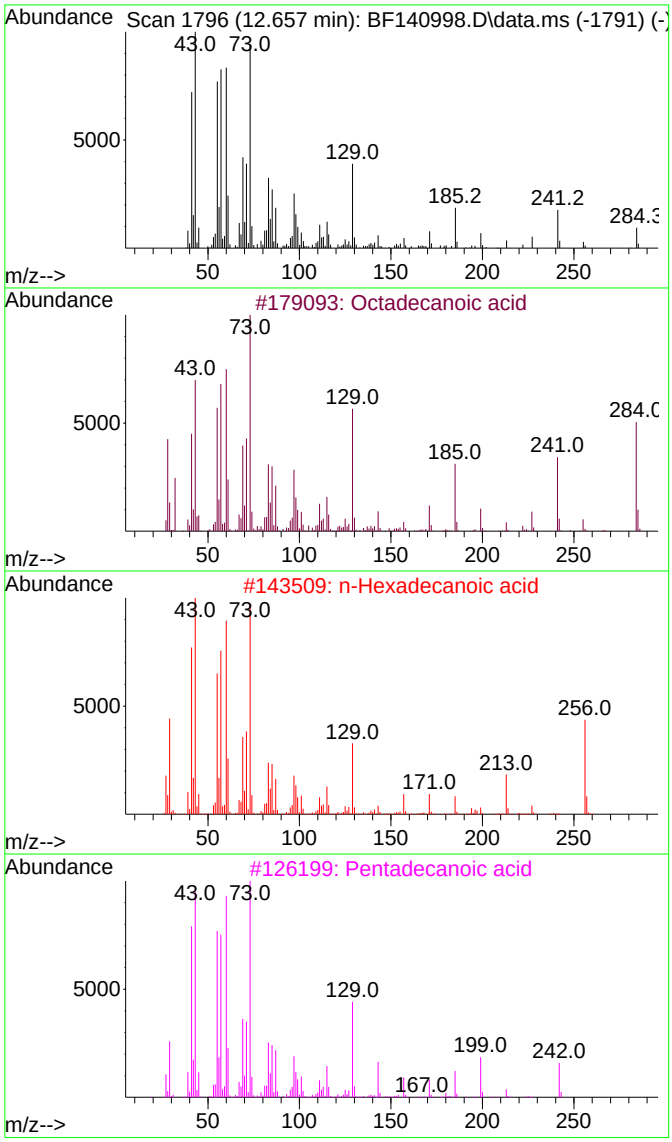
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

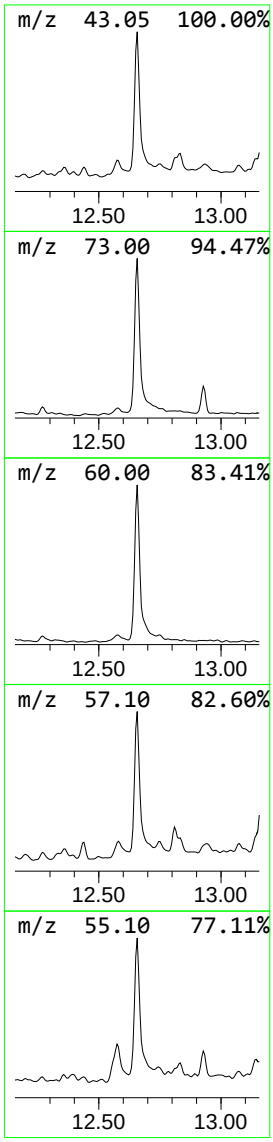
****

Peak Number 8 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.657	2.83 ng	332185	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	91
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	83





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Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

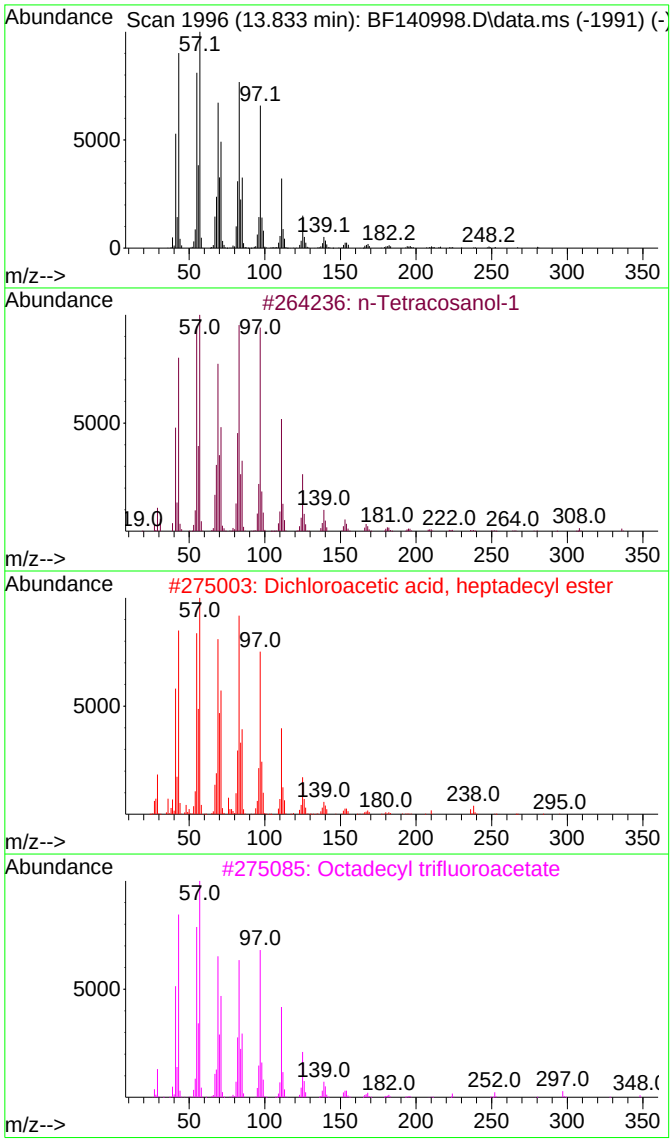
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

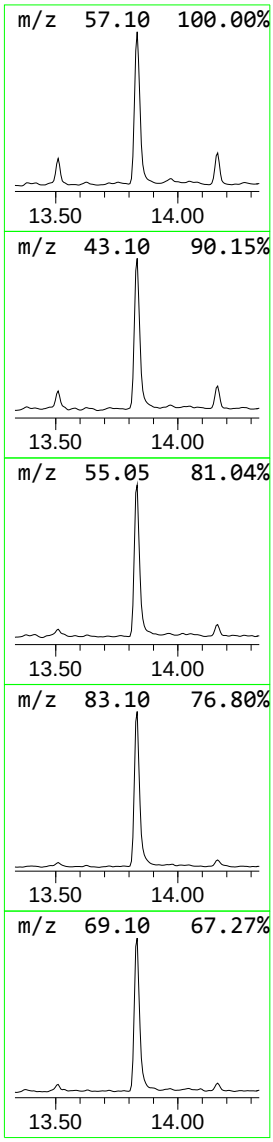
****

Peak Number 9 n-Tetracosanol-1 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.833	10.34 ng	907712	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
3	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
4	Octacosanol	410	C28H58O	000557-61-9	94
5	1-Hexacosene	364	C26H52	018835-33-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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
Decane, 2,6,7-t...	8.528	2.1	ng	237971	2	8.104	2281150	20.0
Tridecane	8.698	4.0	ng	450543	2	8.104	2281150	20.0
Tetradecane	9.263	6.2	ng	719770	3	9.857	2313590	20.0
1-Octadecanesul...	9.581	2.5	ng	289845	3	9.857	2313590	20.0
Pentadecane	9.792	2.1	ng	245284	3	9.857	2313590	20.0
Benzophenone	10.569	9.4	ng	1087360	3	9.857	2313590	20.0
n-Hexadecanoic ...	11.874	11.2	ng	1315970	4	11.339	2349660	20.0
Octadecanoic acid	12.657	2.8	ng	332185	4	11.339	2349660	20.0
n-Tetracosanol-1	13.833	10.3	ng	907712	5	13.980	1754930	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Dec 27 15:55:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

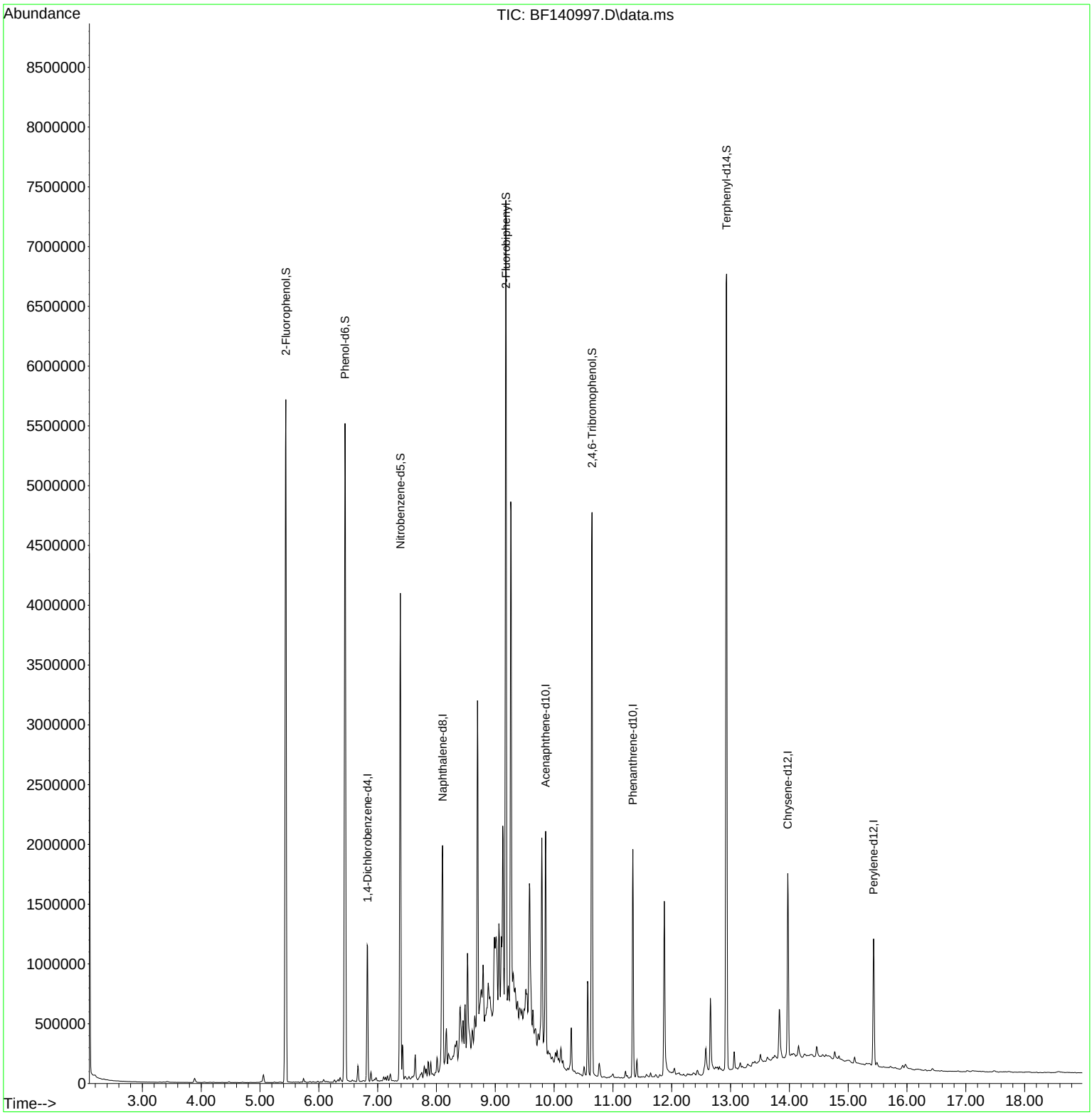
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	238907	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	955704	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	516337	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	913709	20.000	ng	0.00
76) Chrysene-d12	13.974	240	692228	20.000	ng	-0.01
86) Perylene-d12	15.433	264	585265	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	2358477	148.808	ng	0.00
7) Phenol-d6	6.445	99	2945330	144.258	ng	0.00
23) Nitrobenzene-d5	7.386	82	1873347	125.408	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	862439	171.894	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	2893279	89.277	ng	0.00
79) Terphenyl-d14	12.933	244	3450870	82.803	ng	0.00
Target Compounds						Qvalue

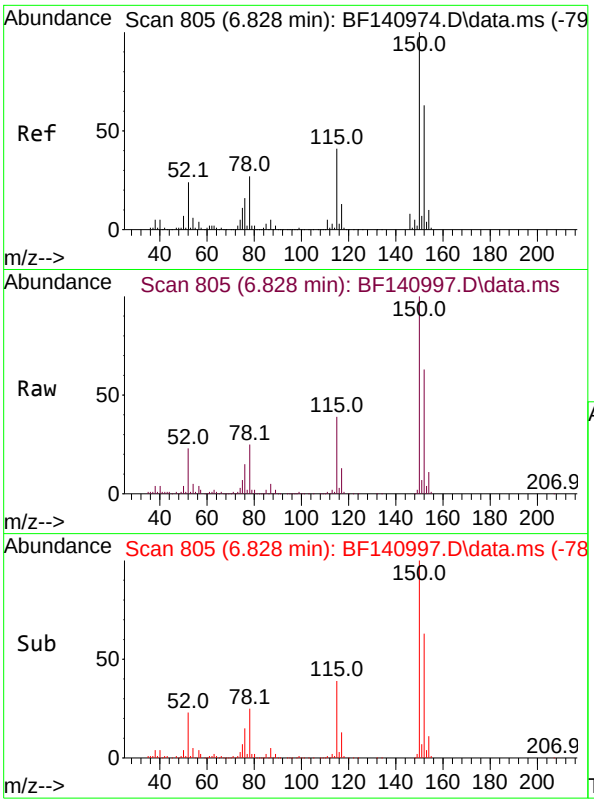
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Dec 27 15:55:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



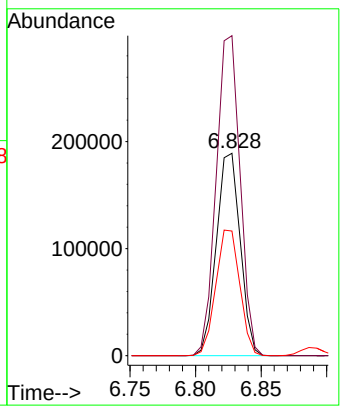


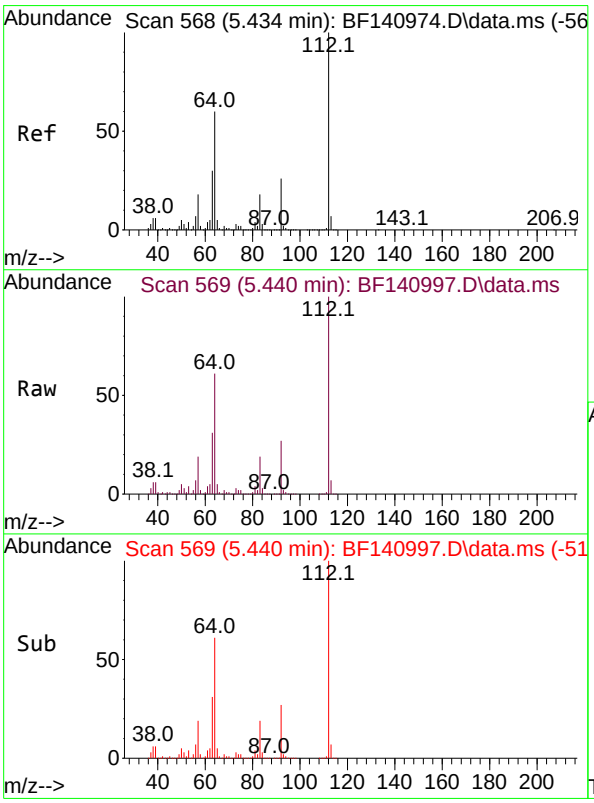
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:152 Resp: 238907

Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.0	190.6
115	61.6	51.7	77.5

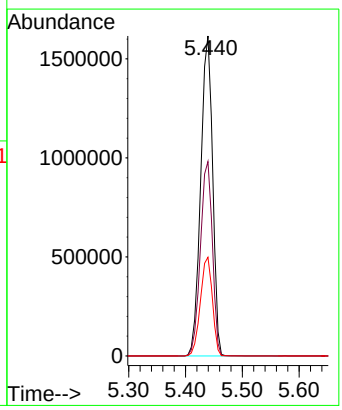


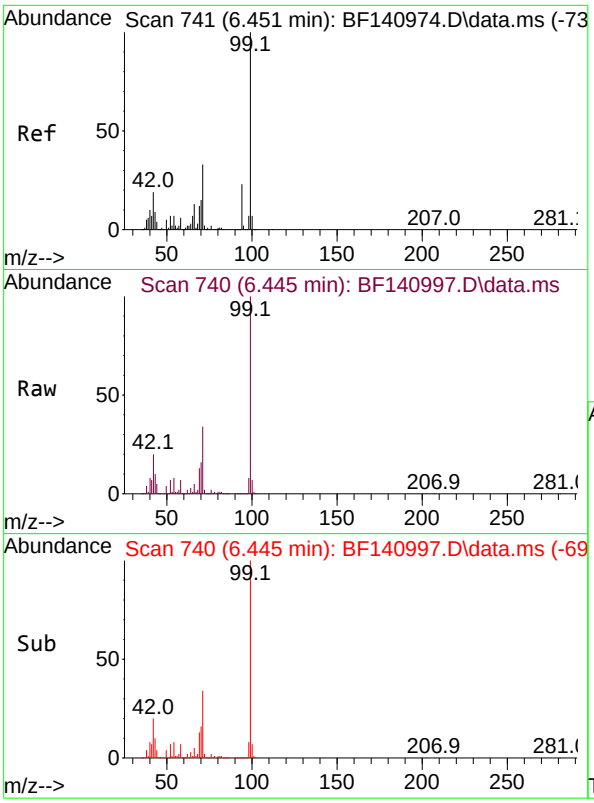


#5
2-Fluorophenol
Concen: 148.808 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:112 Resp: 2358477

Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.7	71.5
63	30.8	24.2	36.2



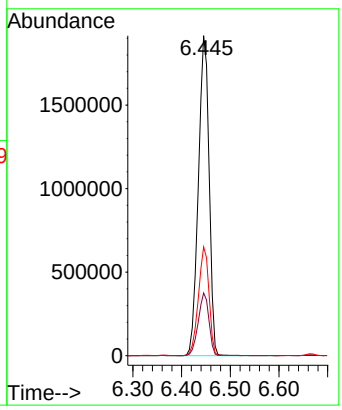


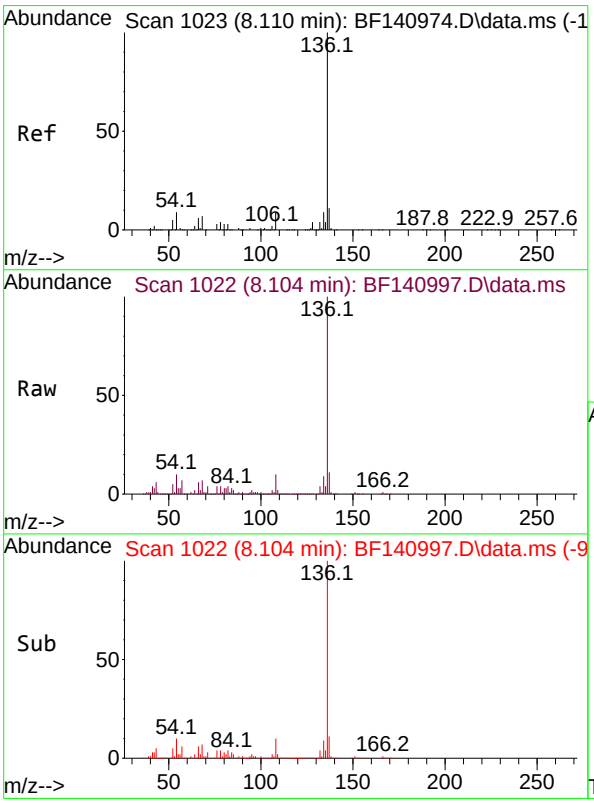
#7
Phenol-d6
Concen: 144.258 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion: 99 Resp: 2945330

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.0	22.4
71	34.0	26.2	39.2

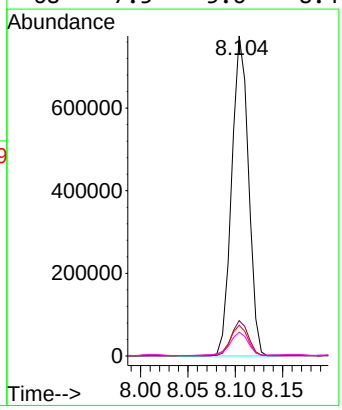


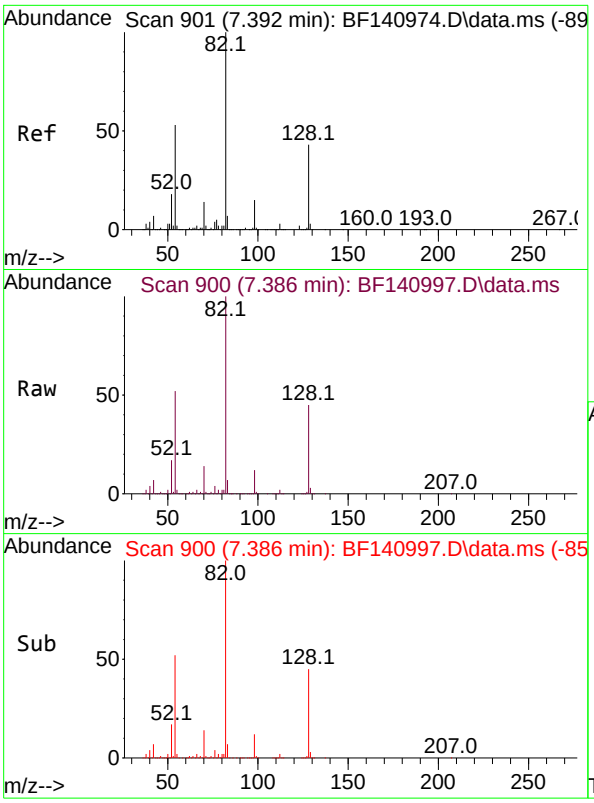


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:136 Resp: 955704

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.6	7.6	11.4
68	7.5	5.6	8.4



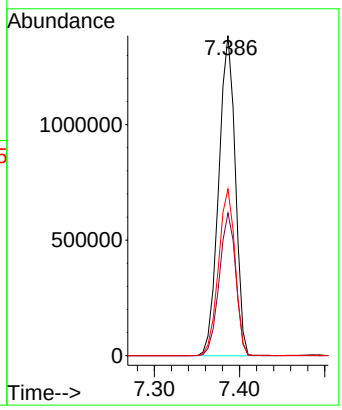


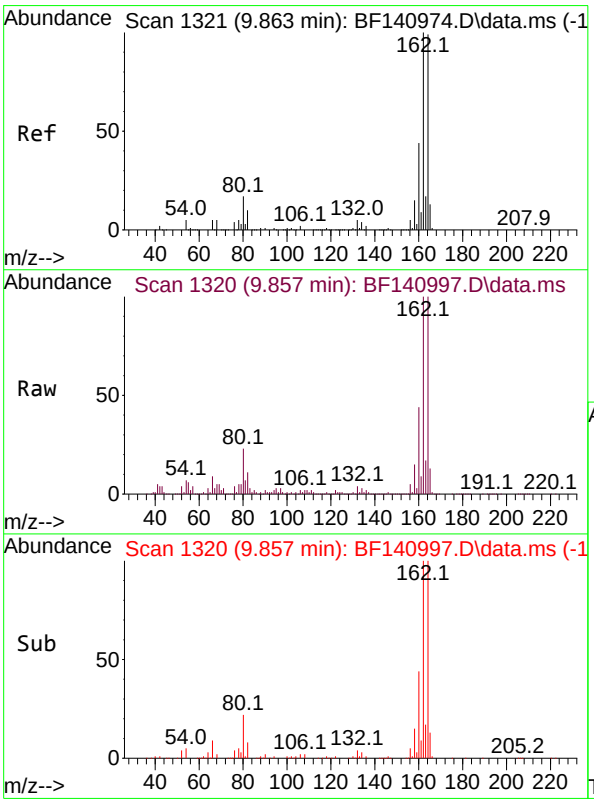
#23
Nitrobenzene-d5
Concen: 125.408 ng
RT: 7.386 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion: 82 Resp: 1873347

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.4	51.6
54	52.1	42.4	63.6

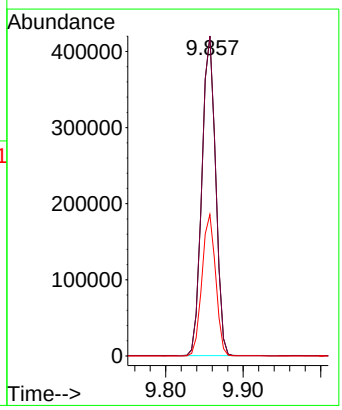


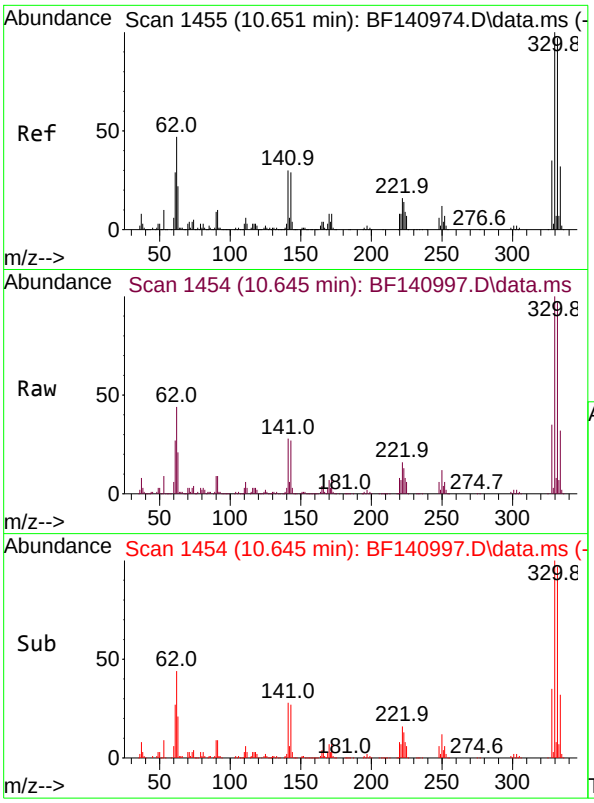


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:164 Resp: 516337

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	120.8
160	44.2	35.7	53.5



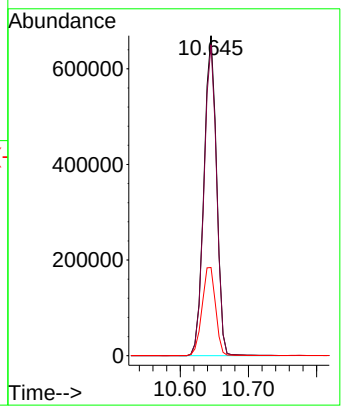


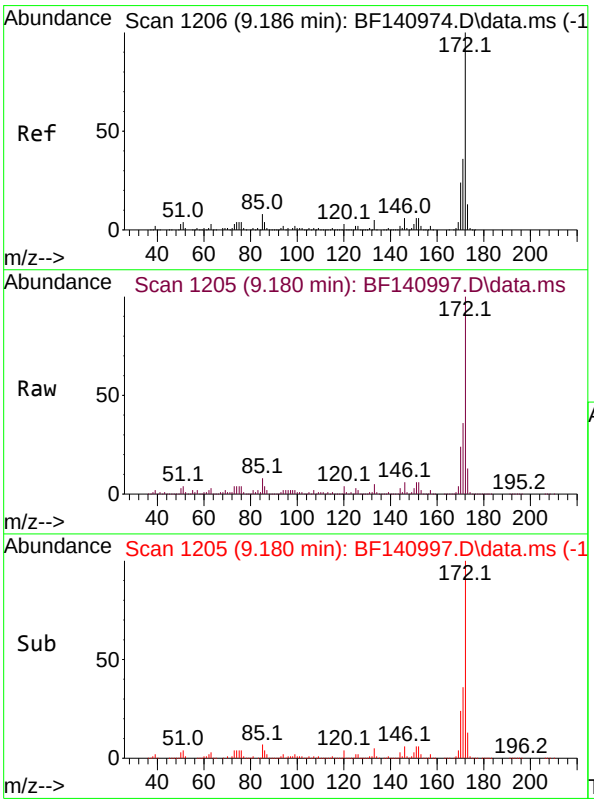
#42
2,4,6-Tribromophenol
Concen: 171.894 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:330 Resp: 862439

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.0	117.0
141	29.5	26.4	39.6

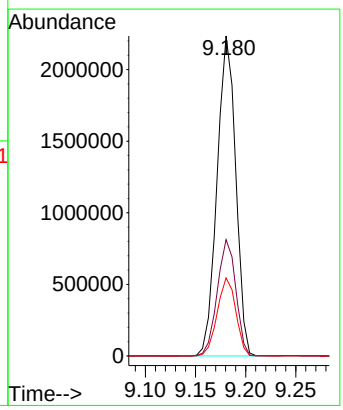


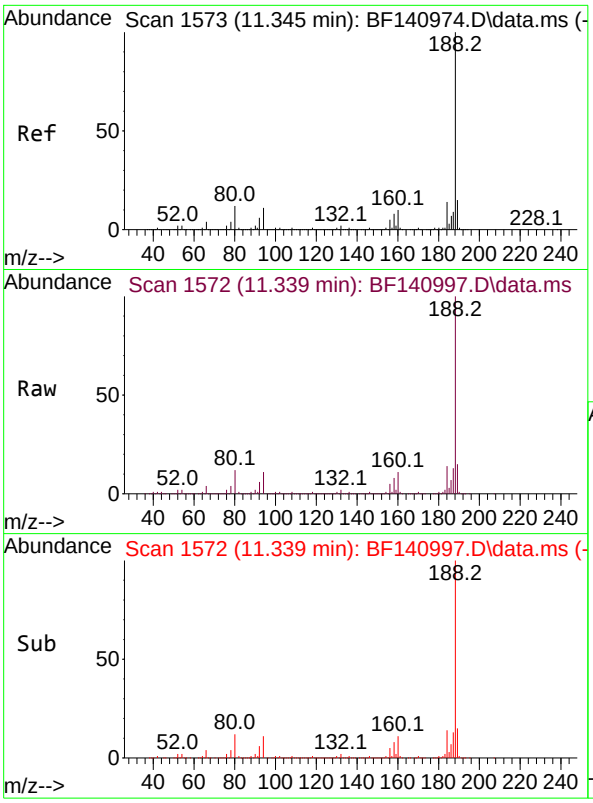


#45
2-Fluorobiphenyl
Concen: 89.277 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:172 Resp: 2893279

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	24.4	19.6	29.4



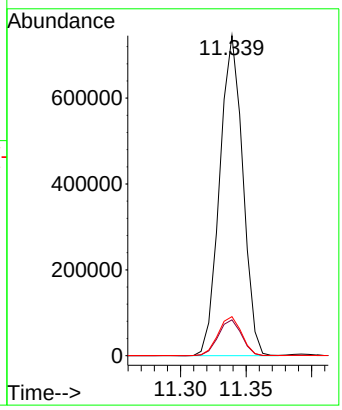


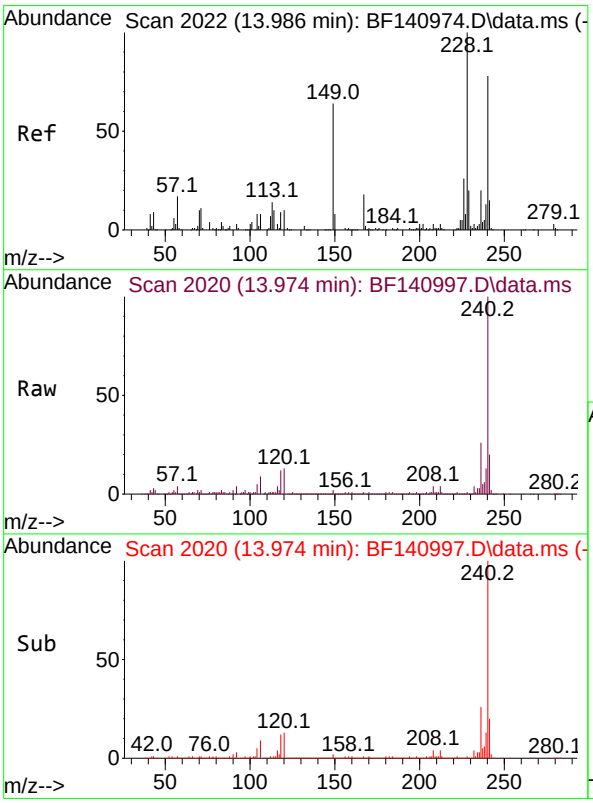
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:188 Resp: 913709

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	12.2	9.8	14.6

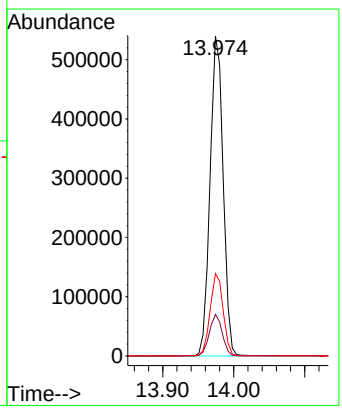


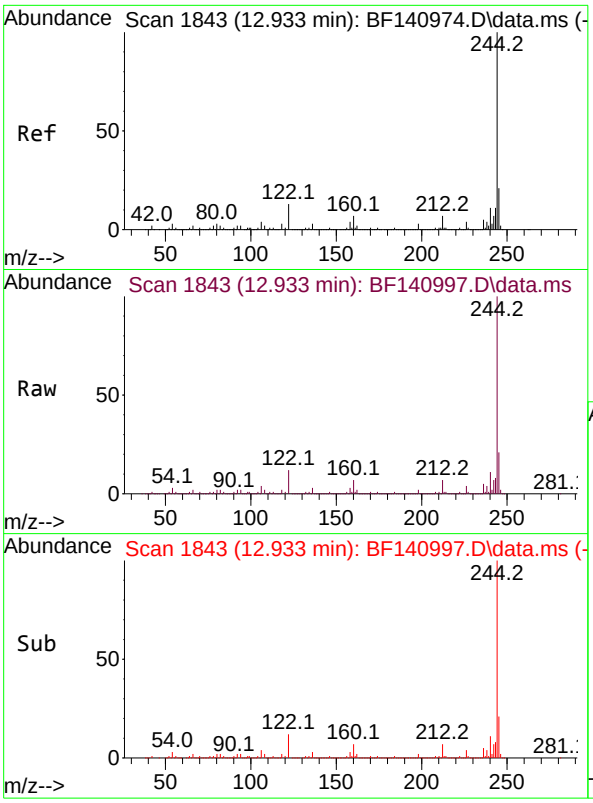


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:240 Resp: 692228

Ion	Ratio	Lower	Upper
240	100		
120	13.0	10.7	16.1
236	25.7	20.6	31.0



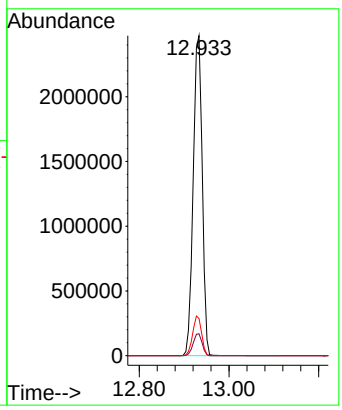


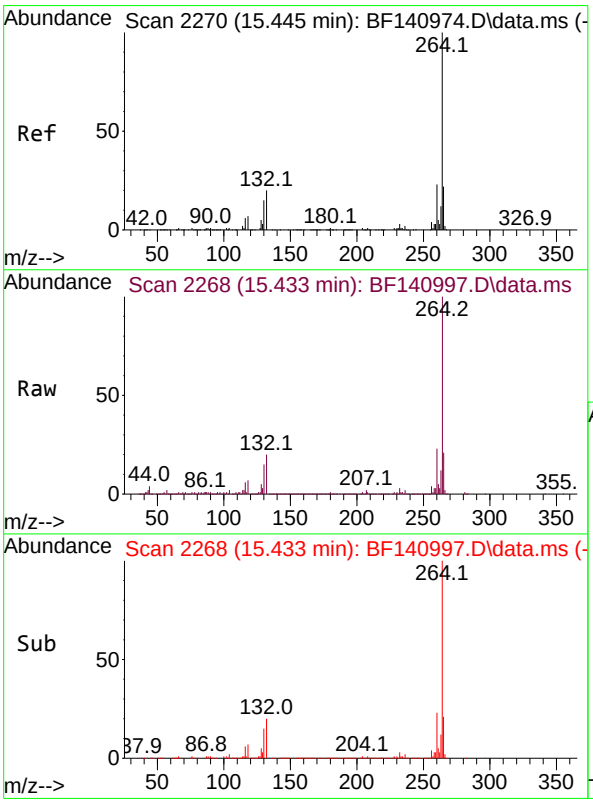
#79
Terphenyl-d14
Concen: 82.803 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:244 Resp: 3450870

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.7	10.2	15.2

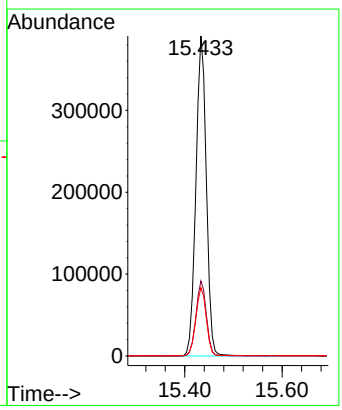




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.012 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:264 Resp: 585265

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.4	17.4	26.2



Sample Results: **BF140997.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140997.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.057	499	504	511	rVB	64239	103763	1.11%	0.112%
2	5.440	561	569	574	rBV	5711654	8350835	89.26%	9.000%
3	6.445	732	740	753	rBV	5506639	8573909	91.65%	9.241%
4	6.663	773	777	784	rBV	131088	164660	1.76%	0.177%
5	6.822	797	804	811	rVB	1141313	1489285	15.92%	1.605%
6	6.886	811	815	819	rBV	78391	98918	1.06%	0.107%
7	7.386	890	900	904	rBV	4080861	5596498	59.82%	6.032%
8	7.422	904	906	910	rVB	286929	326042	3.49%	0.351%
9	7.639	936	943	950	rVB2	210093	319565	3.42%	0.344%
10	7.751	950	962	965	rBV6	60943	165447	1.77%	0.178%
11	7.792	965	969	972	rBV2	95360	143066	1.53%	0.154%
12	7.857	977	980	984	rVV	115849	139363	1.49%	0.150%
13	7.904	984	988	991	rBV	108941	128866	1.38%	0.139%
14	8.010	1002	1006	1010	rBV	127579	158201	1.69%	0.171%
15	8.104	1011	1022	1027	rBV2	1895287	3453985	36.92%	3.723%
16	8.169	1029	1033	1036	rVB	299589	369248	3.95%	0.398%
17	8.204	1036	1039	1047	rBV7	85705	203828	2.18%	0.220%
18	8.316	1054	1058	1060	rBV3	92505	144686	1.55%	0.156%
19	8.404	1066	1073	1078	rBV5	436480	984460	10.52%	1.061%
20	8.451	1078	1081	1084	rVV2	241205	265690	2.84%	0.286%
21	8.486	1084	1087	1090	rVB	361906	409930	4.38%	0.442%
22	8.528	1090	1094	1104	rVB	792883	1261553	13.49%	1.360%
23	8.610	1104	1108	1111	rBV4	148301	210020	2.24%	0.226%
24	8.651	1111	1115	1118	rBV3	225165	362735	3.88%	0.391%
25	8.698	1118	1123	1127	rBV	2727136	3373198	36.06%	3.636%
26	8.792	1136	1139	1143	rVB	474025	623169	6.66%	0.672%
27	8.880	1151	1154	1157	rBV2	207959	266795	2.85%	0.288%
28	8.986	1168	1172	1174	rBV	617670	955335	10.21%	1.030%
29	9.063	1182	1185	1189	rBV	640155	729824	7.80%	0.787%
30	9.104	1189	1192	1193	rBV	507869	526196	5.62%	0.567%
31	9.128	1193	1196	1200	rVB	1412923	1720628	18.39%	1.854%
32	9.180	1200	1205	1209	rVB	6691995	8676042	92.74%	9.351%
33	9.222	1209	1212	1215	rBV	119913	115527	1.23%	0.125%
34	9.263	1215	1219	1224	rBV	4169927	5680798	60.72%	6.123%
35	9.522	1260	1263	1265	rBV2	157482	247694	2.65%	0.267%
36	9.580	1268	1273	1281	rVV3	1193469	2274239	24.31%	2.451%

Sample Results: **BF140997.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.639	1281	1283	1287	rVB	195676	209808	2.24%	0.226%
38	9.733	1295	1299	1301	rBV2	98489	156618	1.67%	0.169%
39	9.792	1302	1309	1313	rVV	1764362	2407205	25.73%	2.594%
40	9.857	1313	1320	1325	rVB	1863318	2540481	27.16%	2.738%
41	10.022	1345	1348	1351	rBV2	74311	114594	1.22%	0.124%
42	10.051	1351	1353	1356	rVV	93706	106976	1.14%	0.115%
43	10.116	1360	1364	1368	rVB4	125415	163030	1.74%	0.176%
44	10.292	1387	1394	1401	rVB2	365877	516006	5.52%	0.556%
45	10.510	1427	1431	1436	rBV	72748	104635	1.12%	0.113%
46	10.569	1436	1441	1448	rVB	784877	1017415	10.88%	1.097%
47	10.645	1448	1454	1459	rBV	4706233	6304503	67.39%	6.795%
48	10.769	1470	1475	1483	rVB2	115015	209999	2.24%	0.226%
49	11.339	1567	1572	1579	rBV	1905581	2368722	25.32%	2.553%
50	11.410	1579	1584	1588	rVB2	143141	183972	1.97%	0.198%
51	11.874	1657	1663	1684	rBV	1455890	2264922	24.21%	2.441%
52	12.580	1774	1783	1791	rBV2	214603	505499	5.40%	0.545%
53	12.657	1791	1796	1808	rVV	603862	934578	9.99%	1.007%
54	12.933	1836	1843	1848	rBV	6650693	9355118	100.00%	10.083%
55	13.063	1861	1865	1870	rBV	142857	182681	1.95%	0.197%
56	13.827	1991	1995	2006	rVB	401974	703993	7.53%	0.759%
57	13.974	2015	2020	2027	rVB	1521866	1964176	21.00%	2.117%
58	14.157	2048	2051	2061	rVB	95885	168548	1.80%	0.182%
59	14.462	2100	2103	2113	rVB2	81690	139926	1.50%	0.151%
60	15.433	2262	2268	2274	rBV	1055321	1546434	16.53%	1.667%

Sum of corrected areas: 92783837

Sample Results: **BF140997.D**

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Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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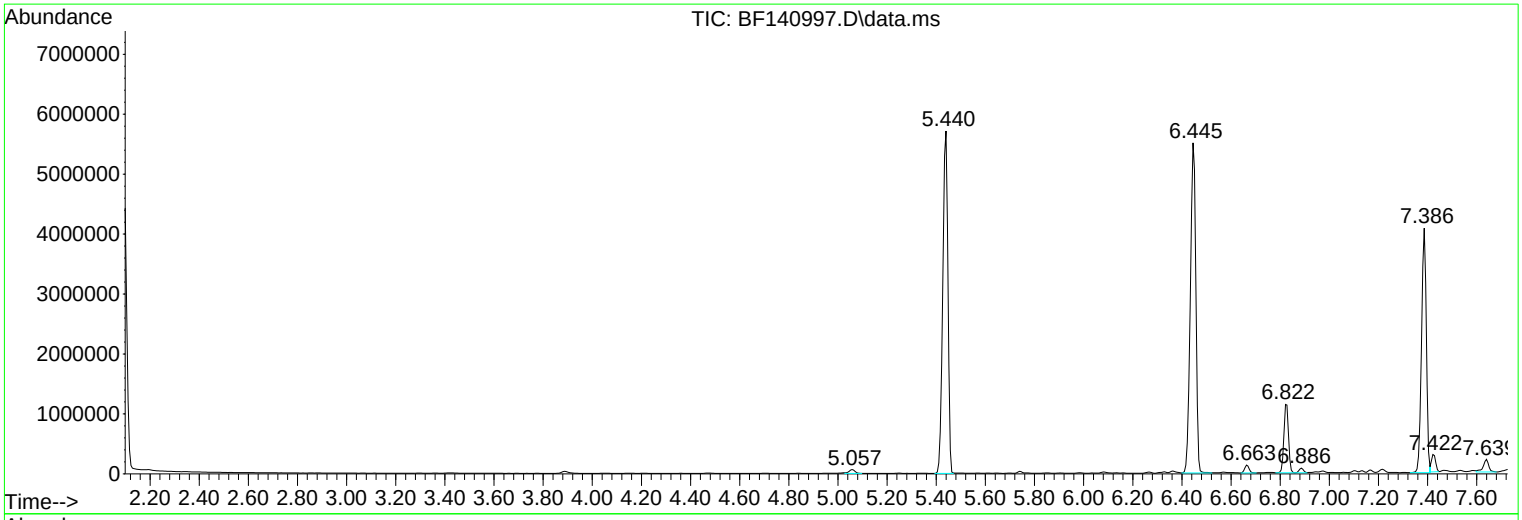

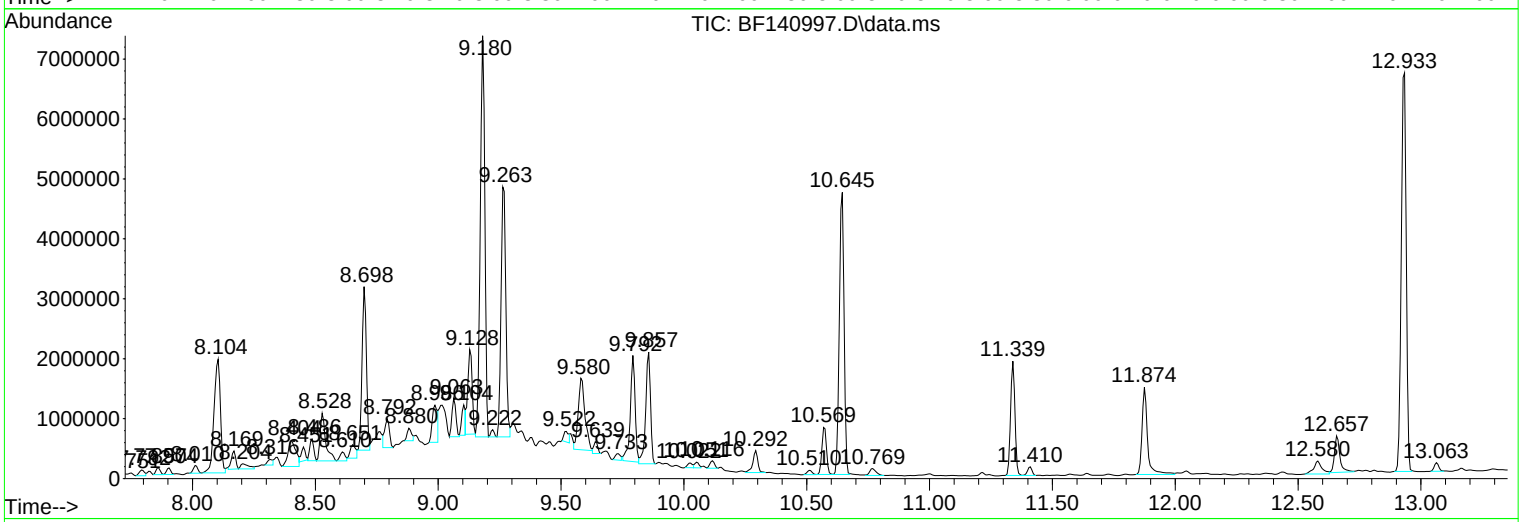

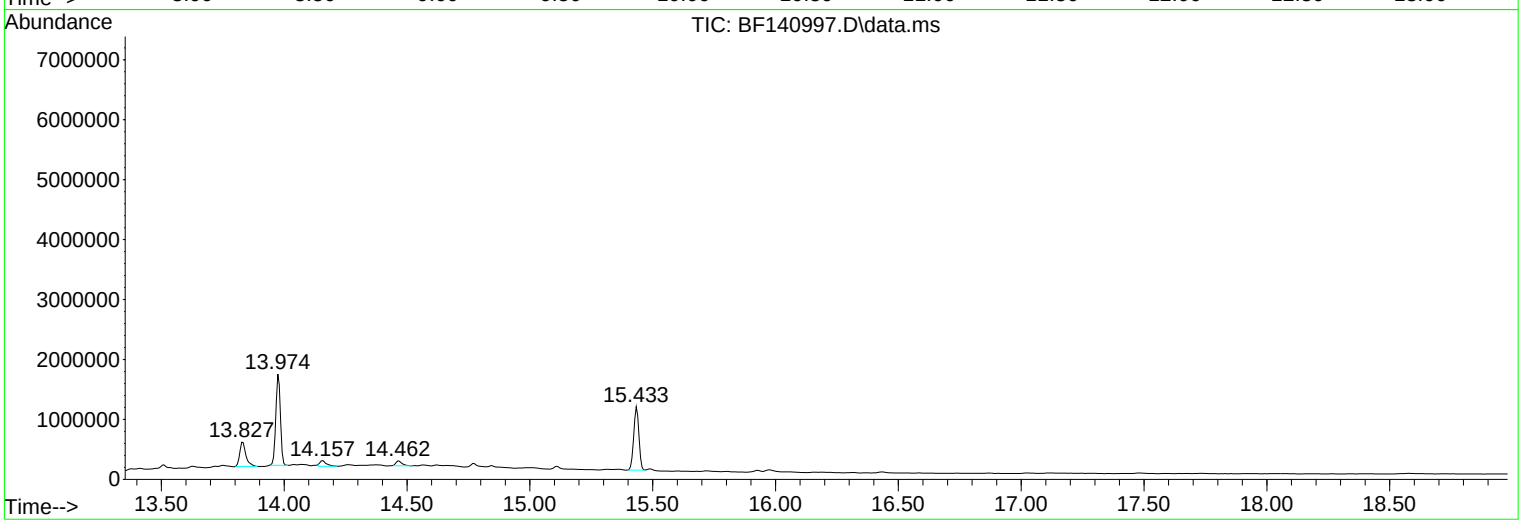

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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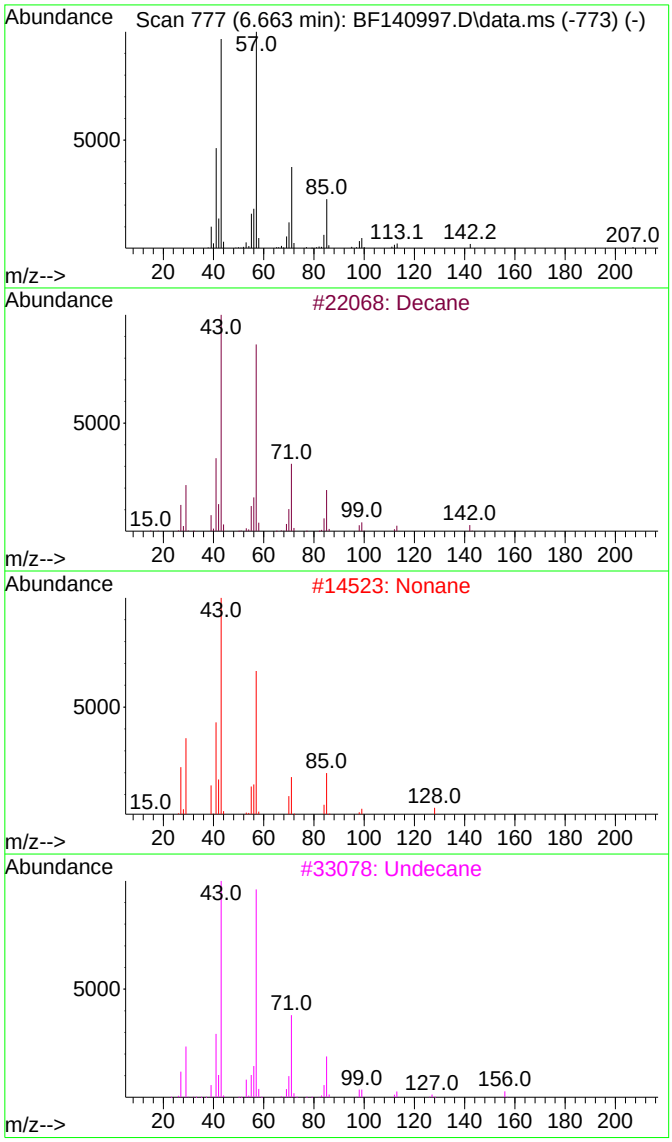
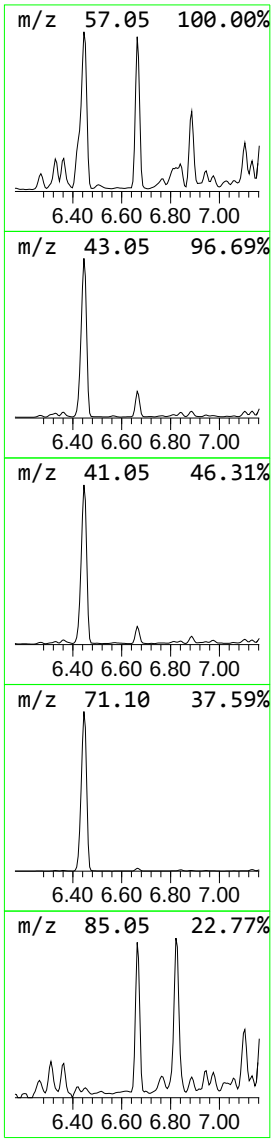
Peak Number 1 Decane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.663	2.21 ng	164660	1,4-Dichlorobenzene-d4	6.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	90
2	Nonane	128	C9H20	000111-84-2	90
3	Undecane	156	C11H24	001120-21-4	90
4	Dodecane	170	C12H26	000112-40-3	90
5	Hexadecane	226	C16H34	000544-76-3	83





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

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

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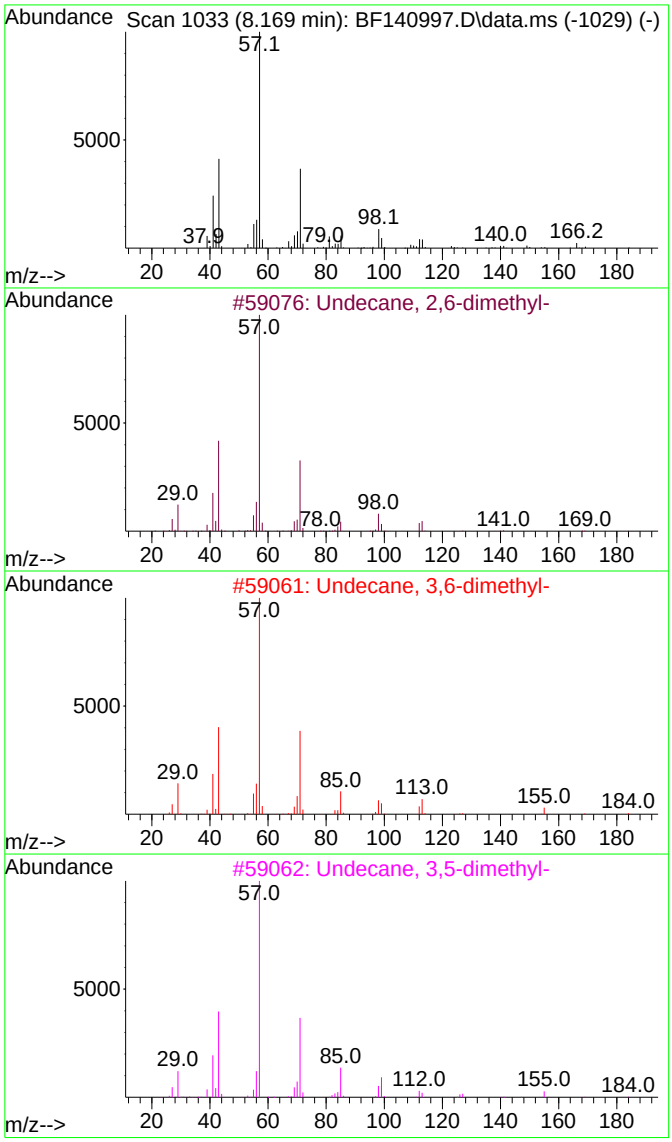
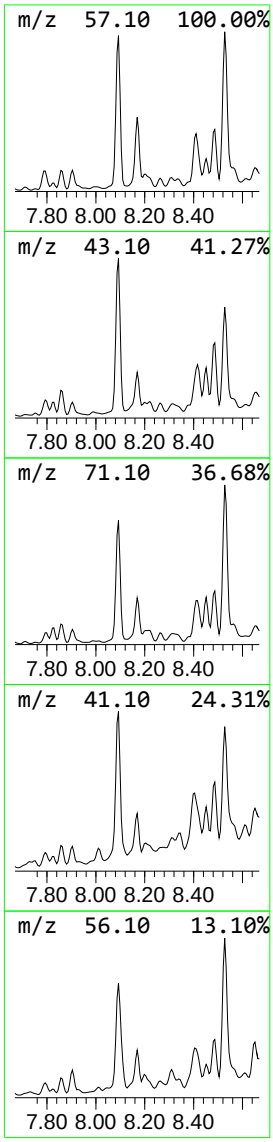
Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.169	2.14 ng	369248	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	97
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	80
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72
5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	72





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TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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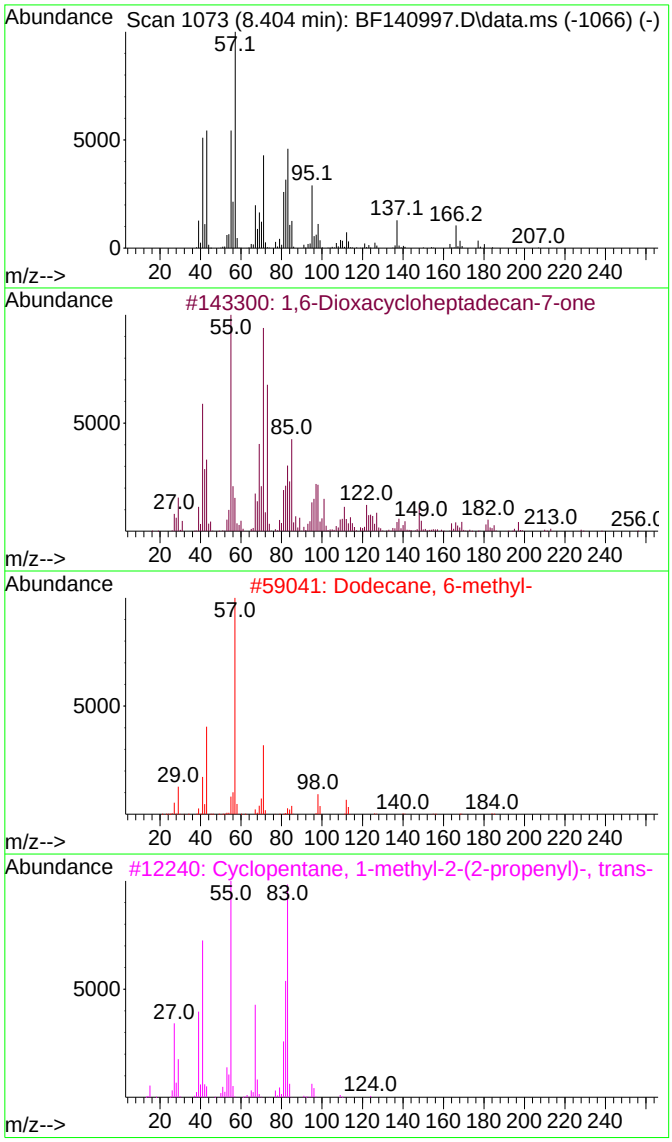
Instrument :
BNA_F
ClientSampleId :
SB-01

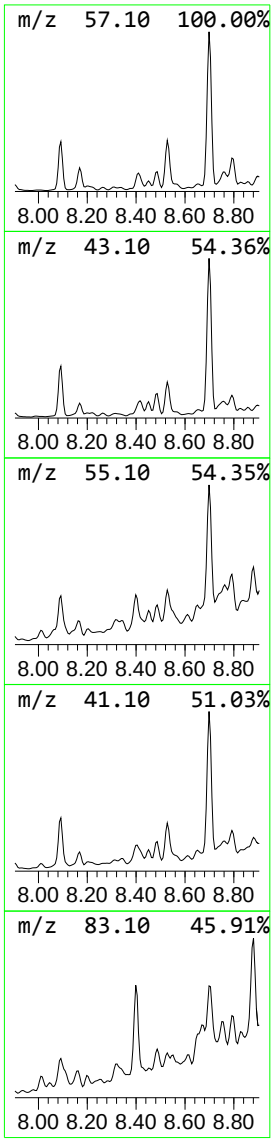
****

Peak Number 3 unknown8.404 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.404	5.70 ng	984460	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Dioxacycloheptadecan-7-one	256	C15H28O3	006707-60-4	35
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	35
3	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	27
4	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	27
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	25





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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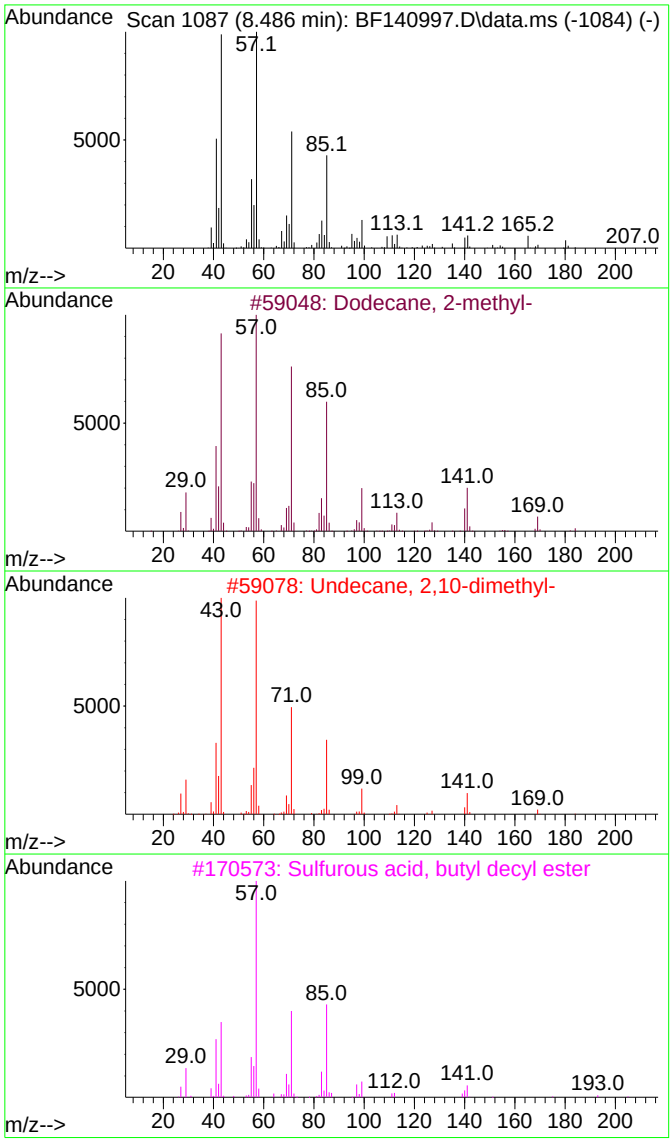
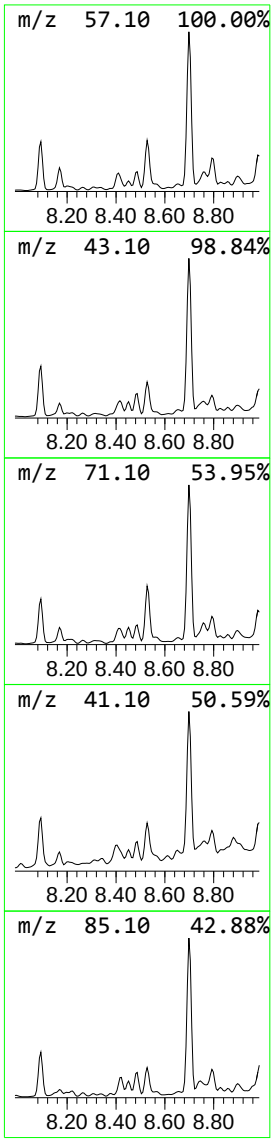
Peak Number 4 Dodecane, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.486	2.37 ng	409930	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	95
2	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	93
3	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	86
4	Heptadecane	240	C17H36	000629-78-7	86
5	Nonadecane	268	C19H40	000629-92-5	80





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Misc :
ALS Vial : 5 Sample Multiplier: 1

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

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

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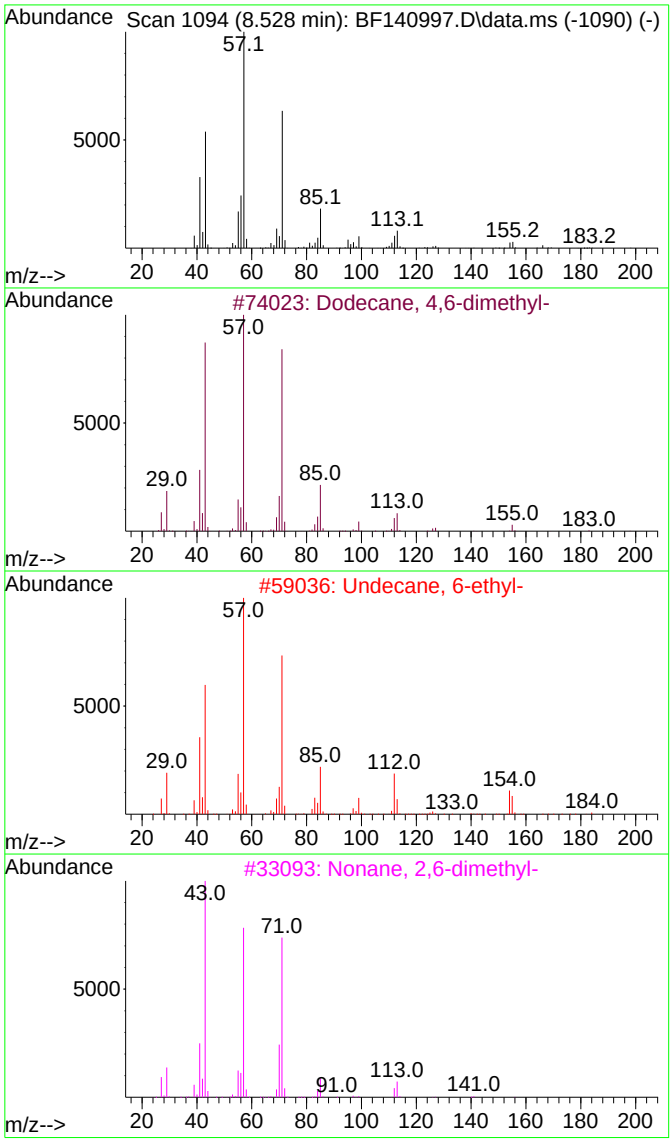
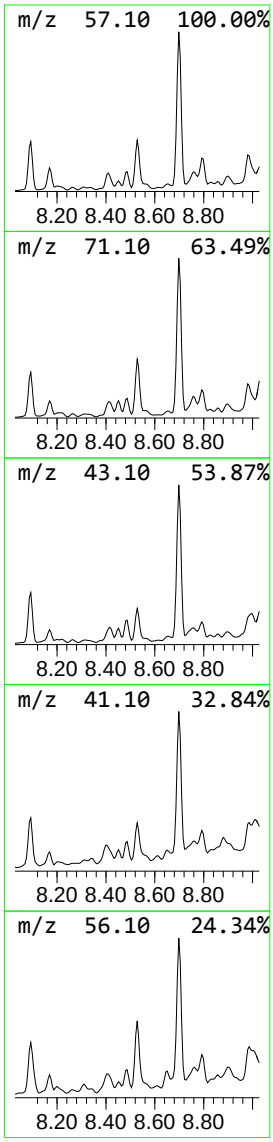
Peak Number 5 Dodecane, 4,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.528	7.30 ng	1261550	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	89
2	Undecane, 6-ethyl-	184	C13H28	017312-60-6	72
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
5	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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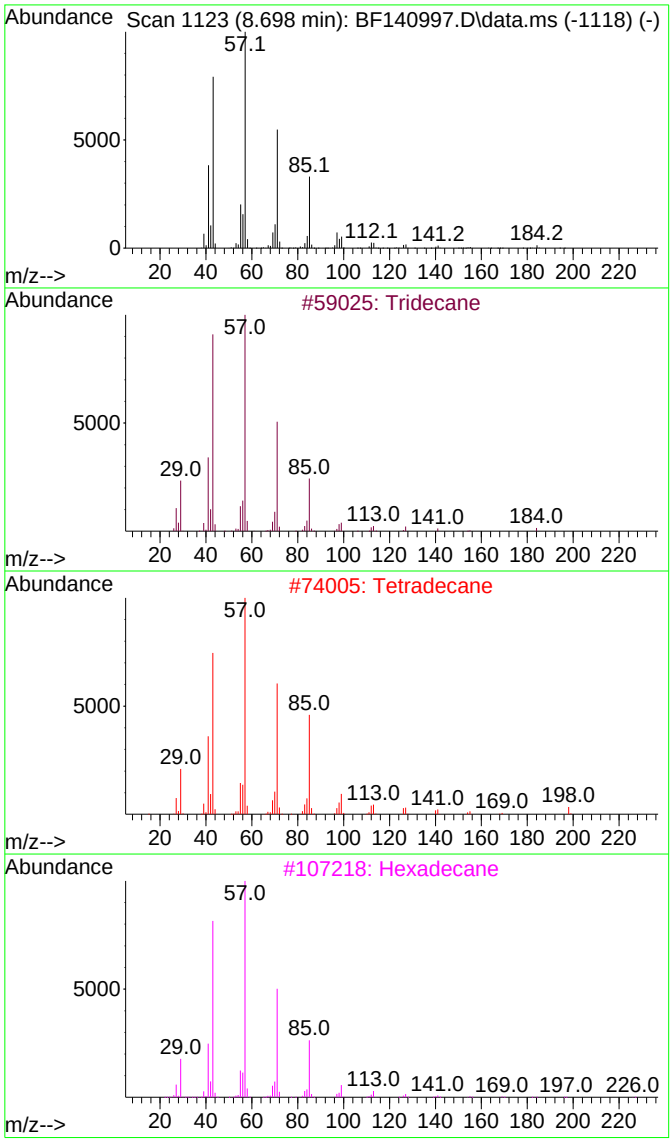
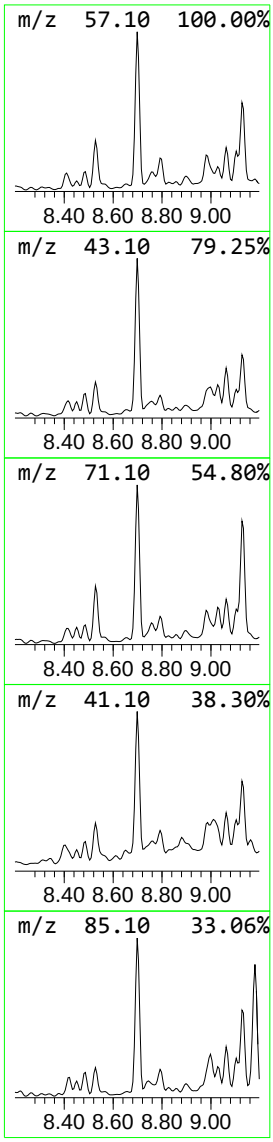
Peak Number 6 Tridecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.698	19.53 ng	3373200	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Tetradecane	198	C14H30	000629-59-4	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Pentadecane	212	C15H32	000629-62-9	86
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	86





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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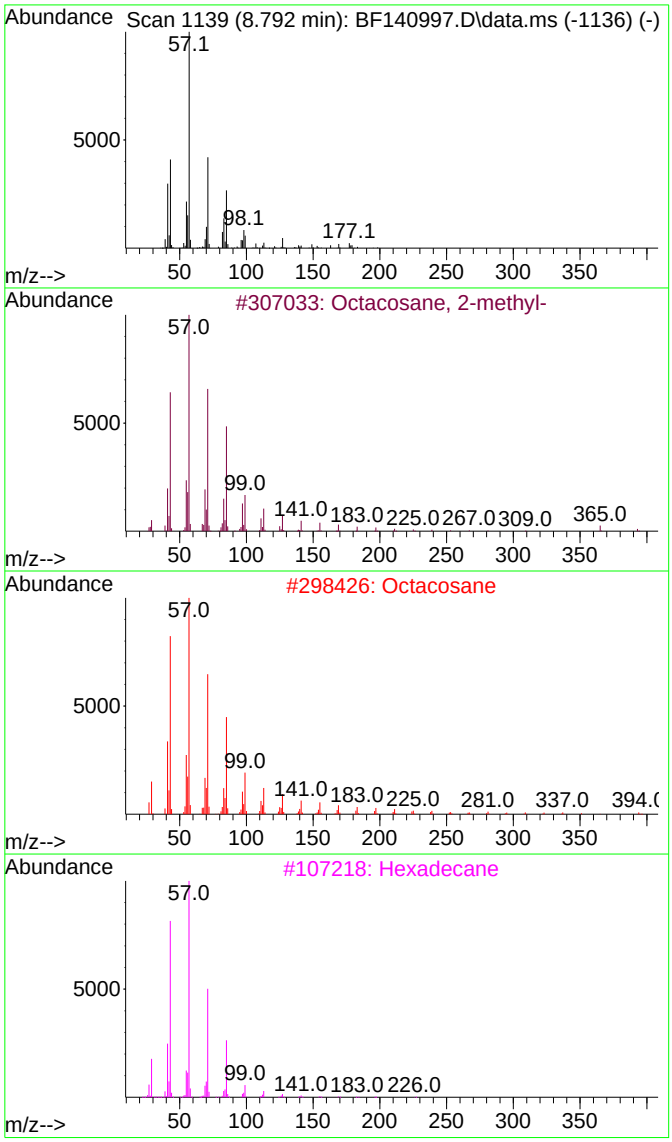
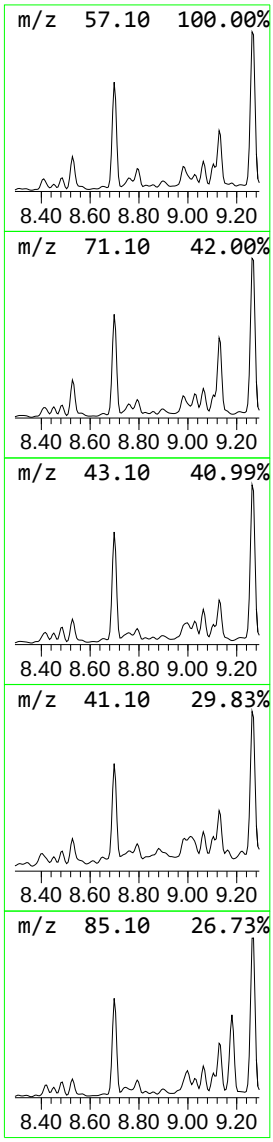
Peak Number 7 Octacosane, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.792	3.61 ng	623169	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane, 2-methyl-	408	C29H60	001560-98-1	72
2	Octacosane	394	C28H58	000630-02-4	72
3	Hexadecane	226	C16H34	000544-76-3	64
4	Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1010309-18-1	64
5	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	59





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

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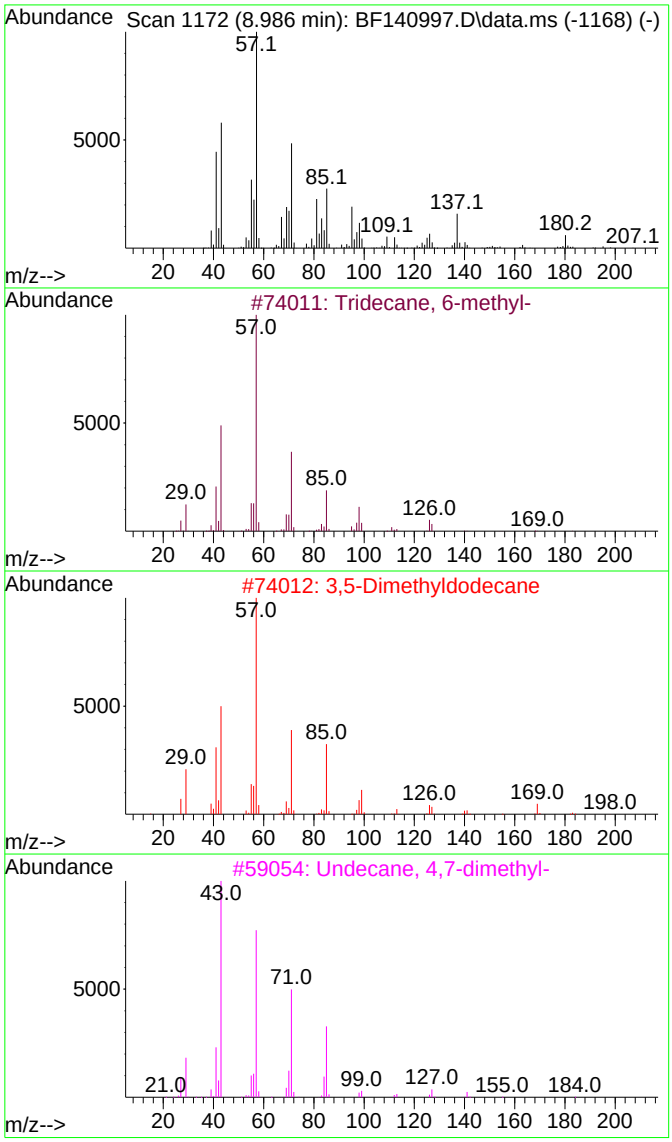
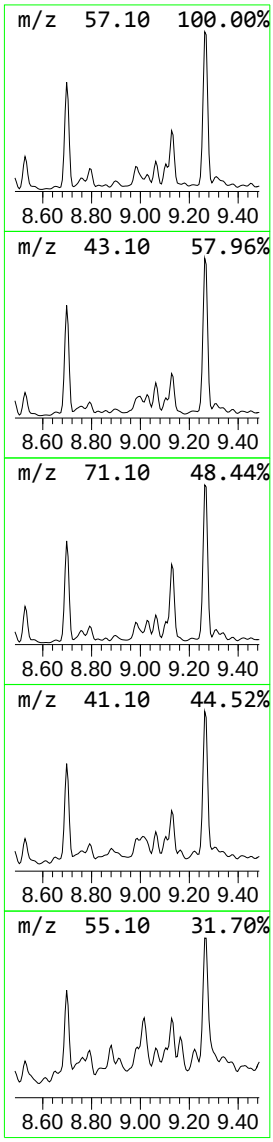
Peak Number 8 Tridecane, 6-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.986	7.52 ng	955335	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	53
2	3,5-Dimethyldodecane	198	C14H30	107770-99-0	52
3	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	47
4	Tridecane	184	C13H28	000629-50-5	47
5	Carbonic acid, dodecyl 2-ethylhe...	342	C21H42O3	1000383-13-9	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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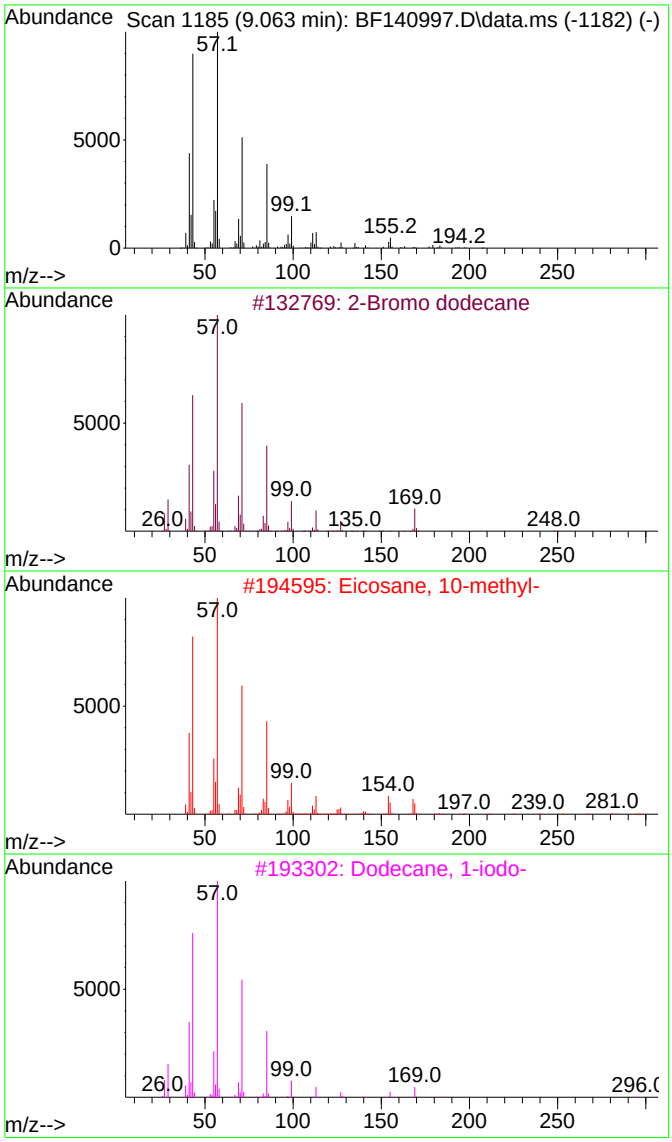
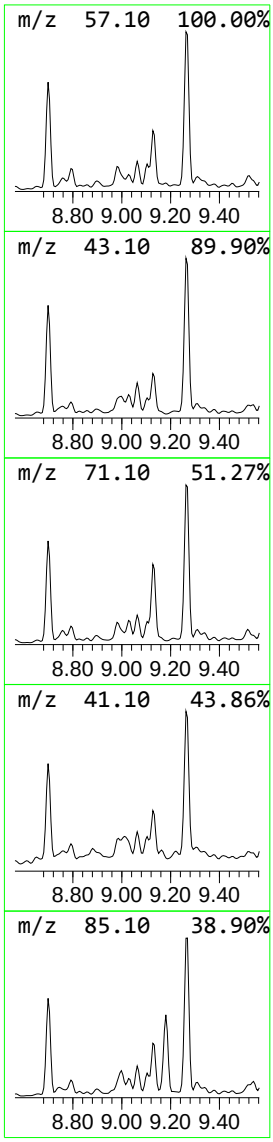
Peak Number 9 2-Bromo dodecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.063	5.75 ng	729824	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	90
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4	Heptacosane	380	C27H56	000593-49-7	86
5	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	81





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

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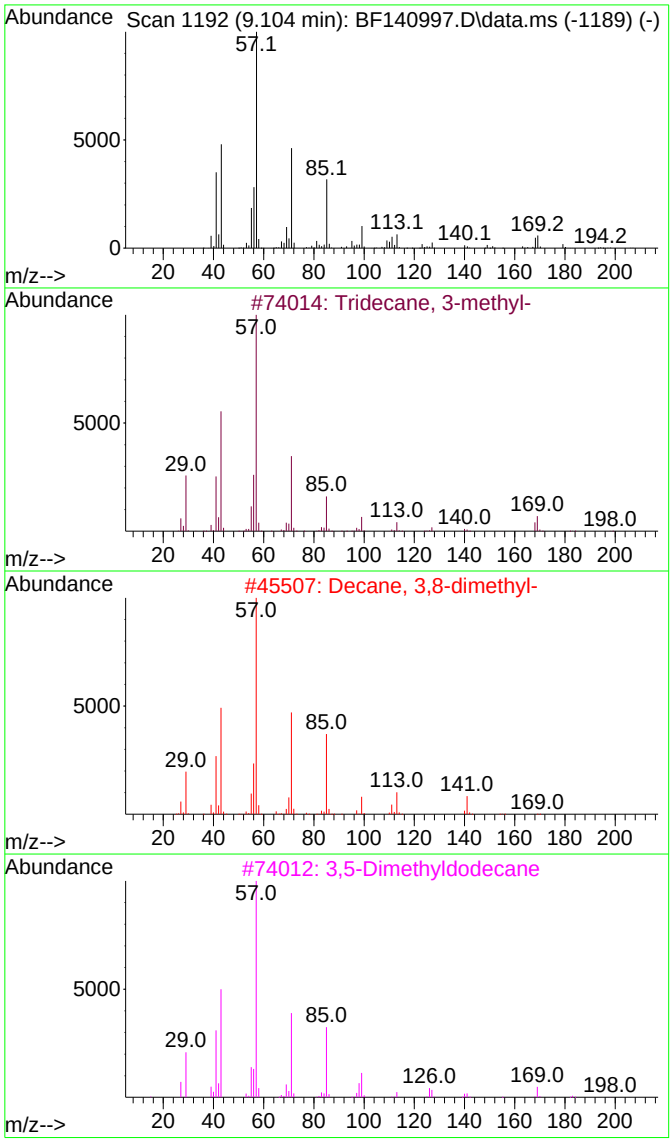
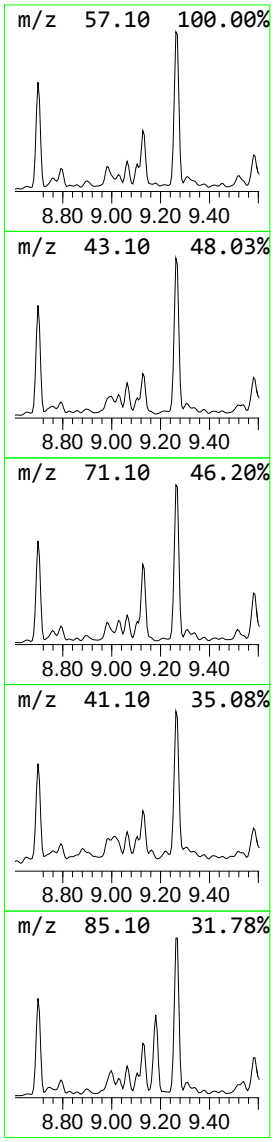
Peak Number 10 Tridecane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.104	4.14 ng	526196	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	92
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	72
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	64
4	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	64
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	59





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

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

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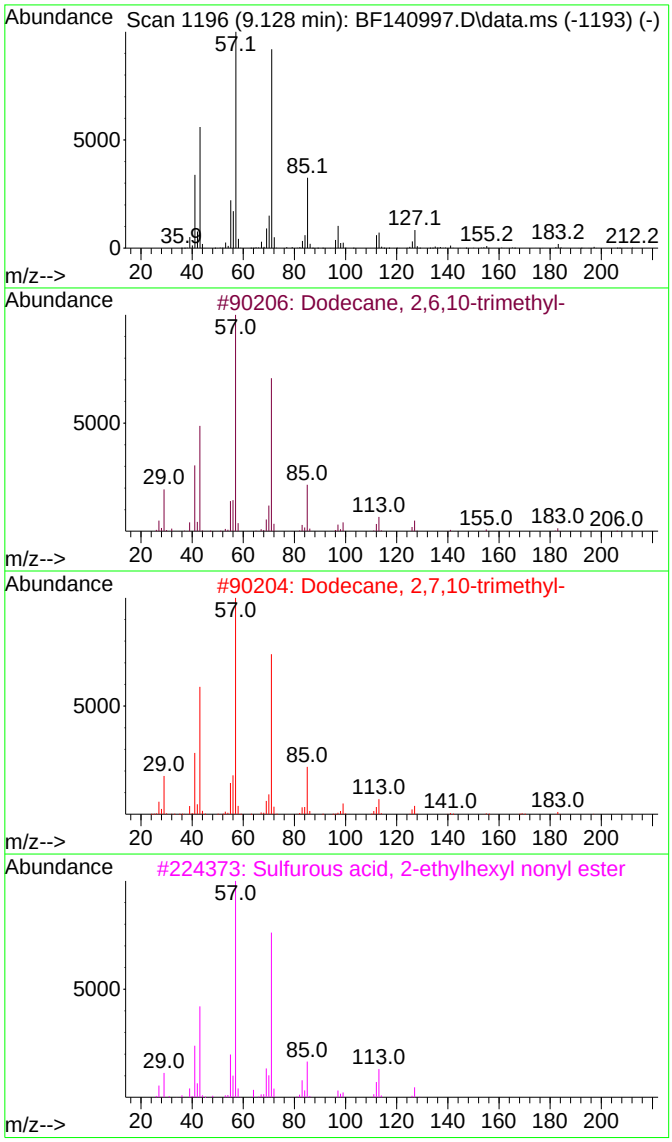
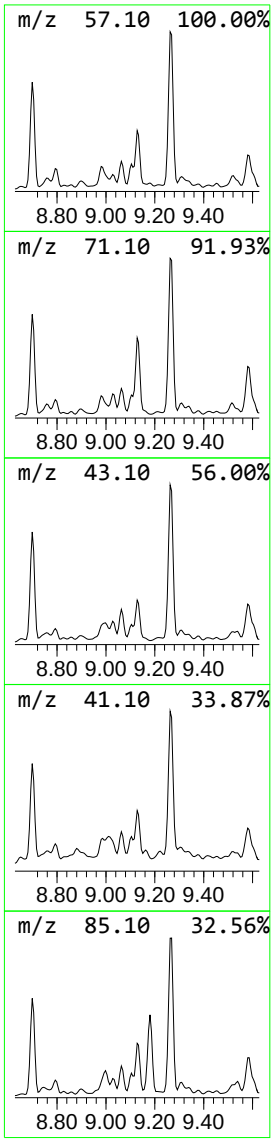
Peak Number 11 Dodecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.128	13.55 ng	1720630	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	64
4	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	59
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	59





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Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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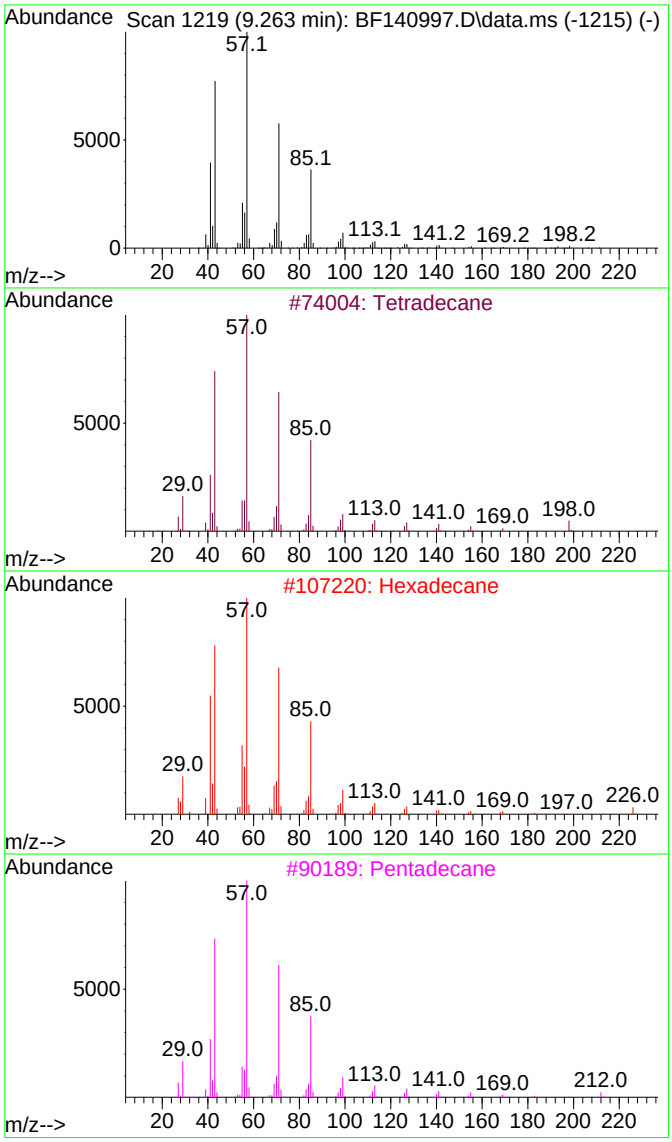
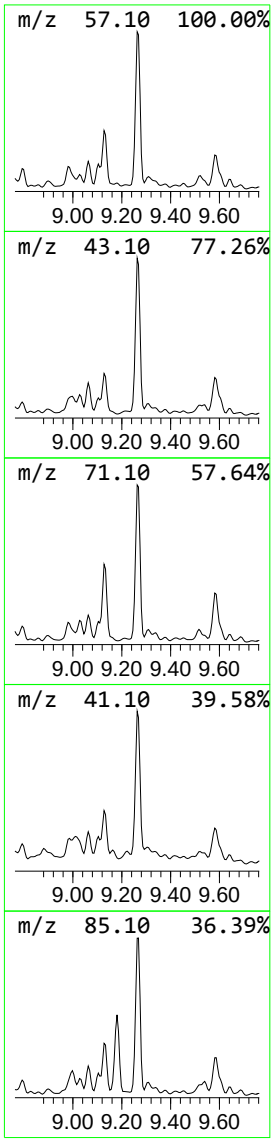
Peak Number 12 Tetradecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.263	44.72 ng	5680800	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Hexadecane	226	C16H34	000544-76-3	91
3	Pentadecane	212	C15H32	000629-62-9	86
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	80
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	74





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

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

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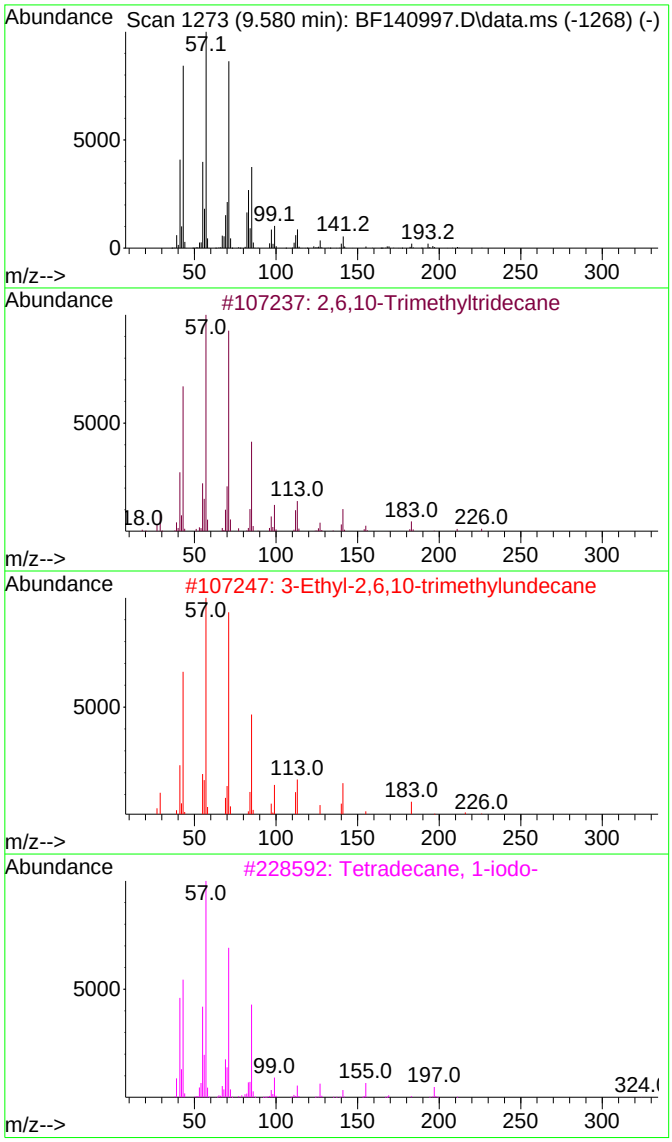
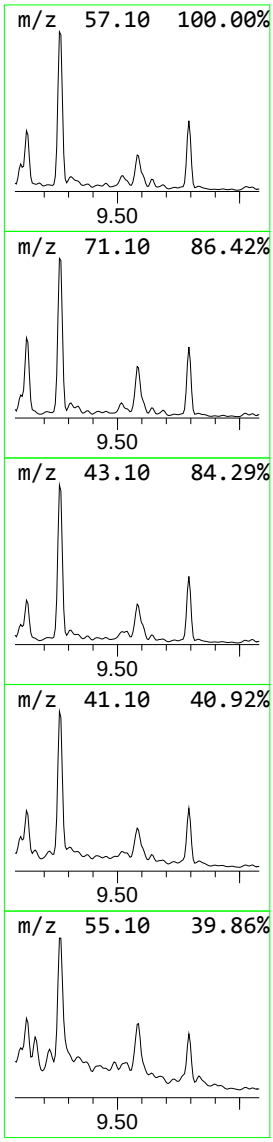
Peak Number 13 2,6,10-Trimethyltridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.580	17.90 ng	2274240	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	86
2	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	80
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80
4	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	80
5	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	76





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

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

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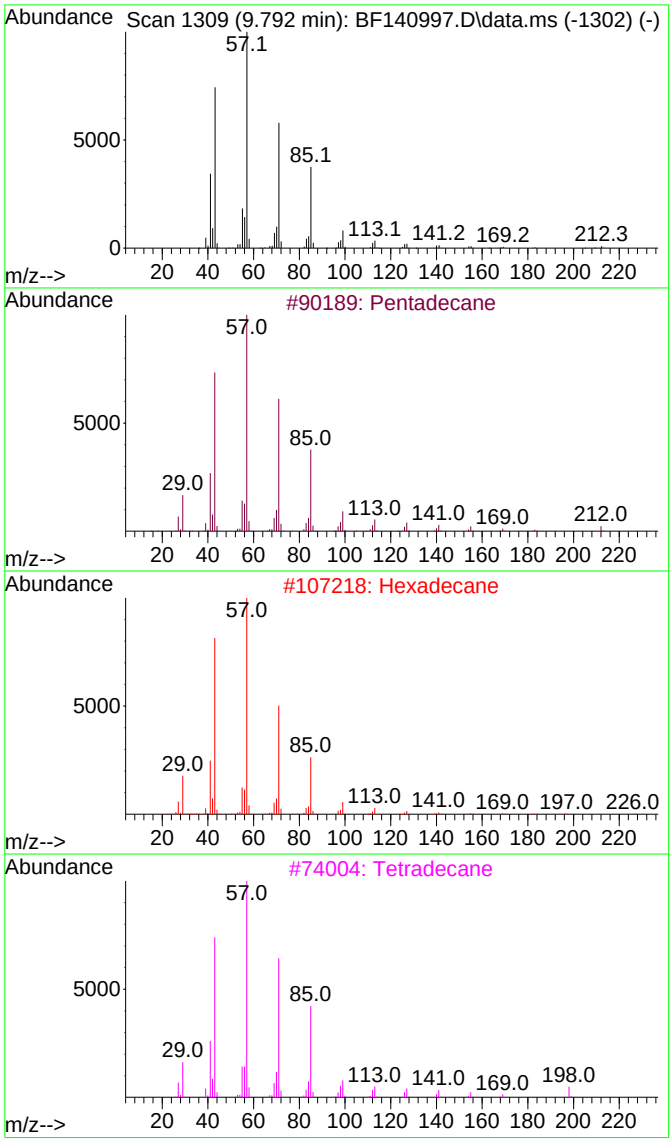
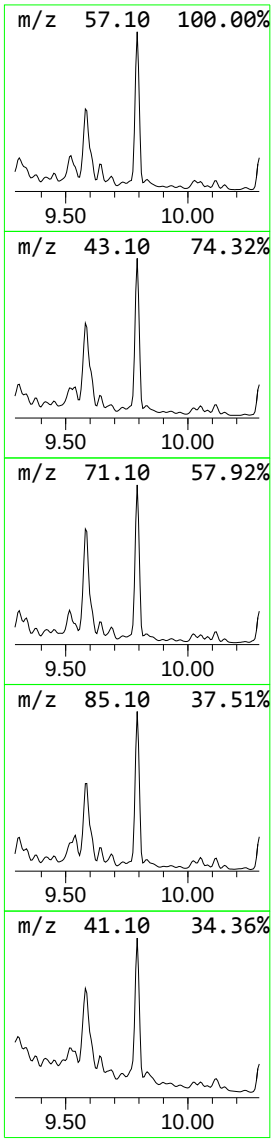
Peak Number 14 Pentadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.792	18.95 ng	2407210	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	95
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Tridecane	184	C13H28	000629-50-5	90
5	Heptadecane	240	C17H36	000629-78-7	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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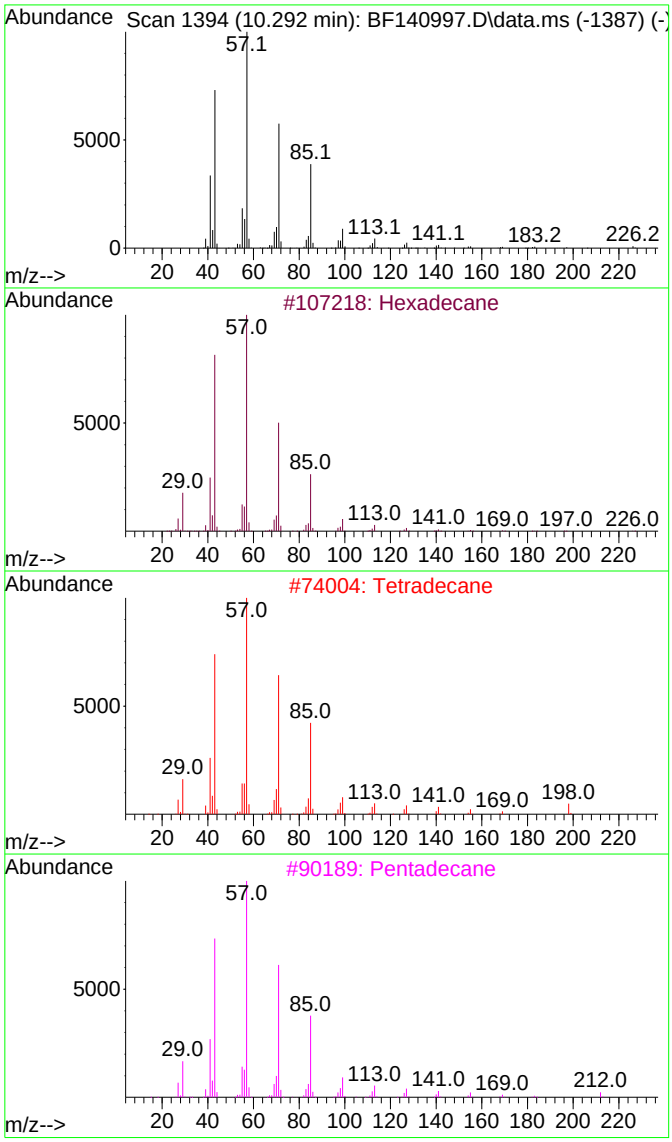
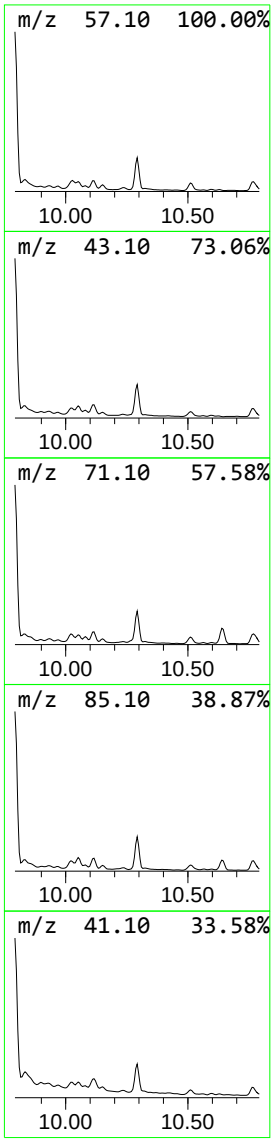
Peak Number 15 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.292	4.06 ng	516006	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Tetradecane	198	C14H30	000629-59-4	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Nonadecane	268	C19H40	000629-92-5	90
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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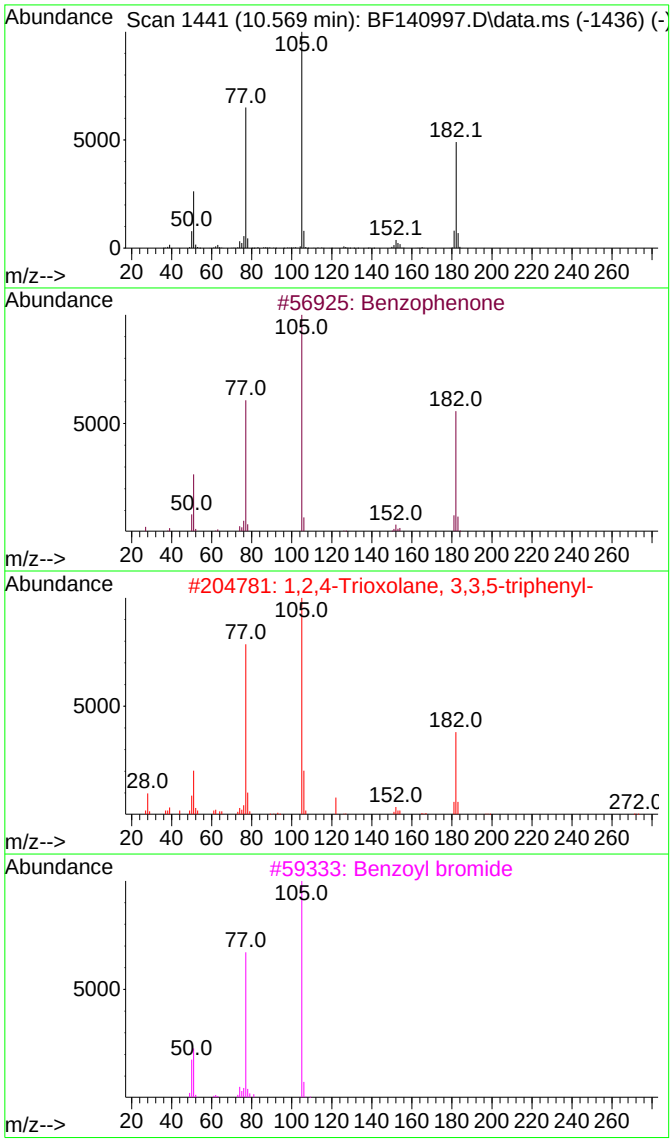
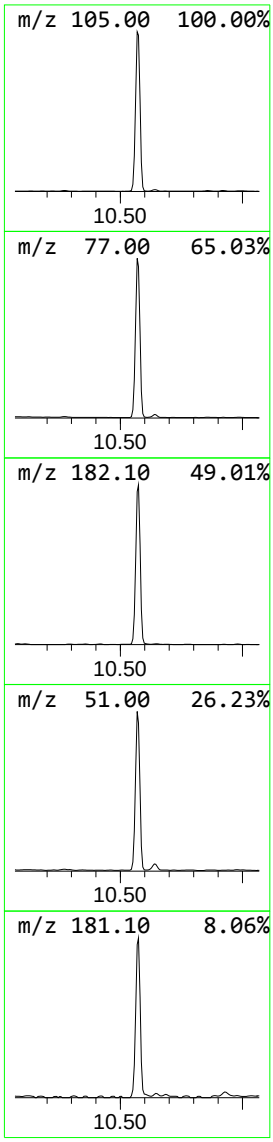
Peak Number 16 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	8.01 ng	1017420	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	72
3	Benzoyl bromide	184	C7H5BrO	000618-32-6	47
4	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
5	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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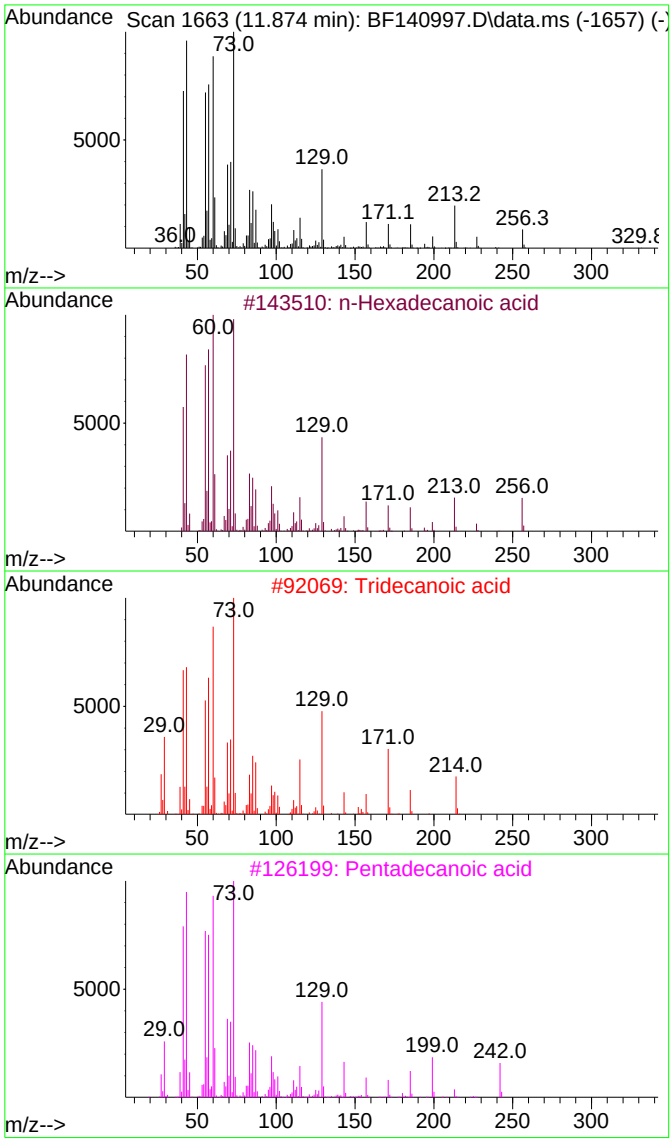
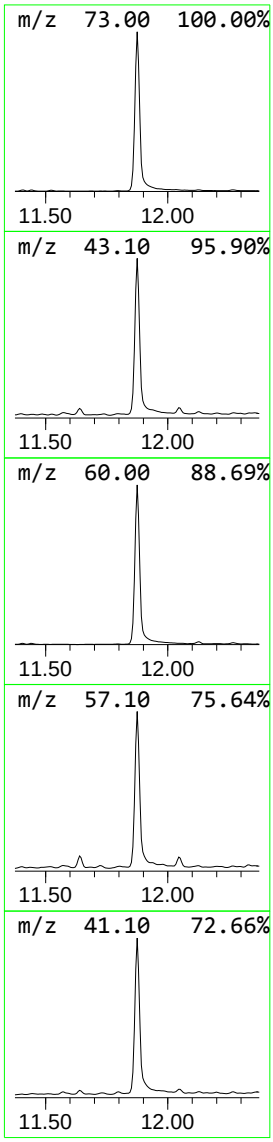
Peak Number 17 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	19.12 ng	2264920	Phenanthrene-d10	11.339

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	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	55





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ALS Vial : 5 Sample Multiplier: 1

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

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

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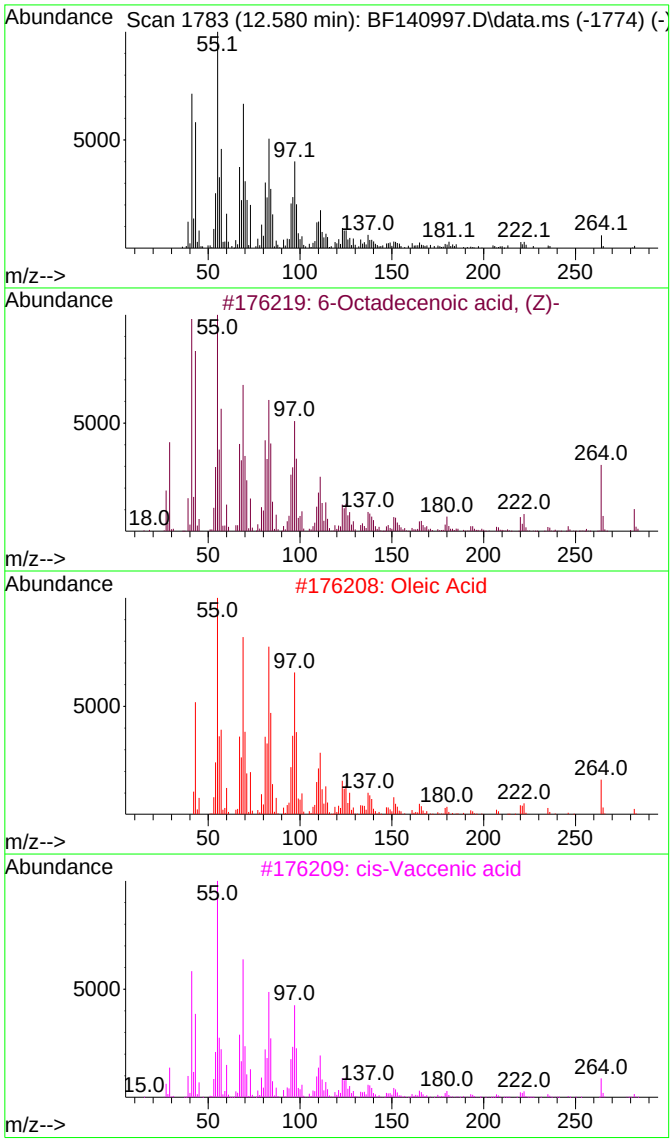
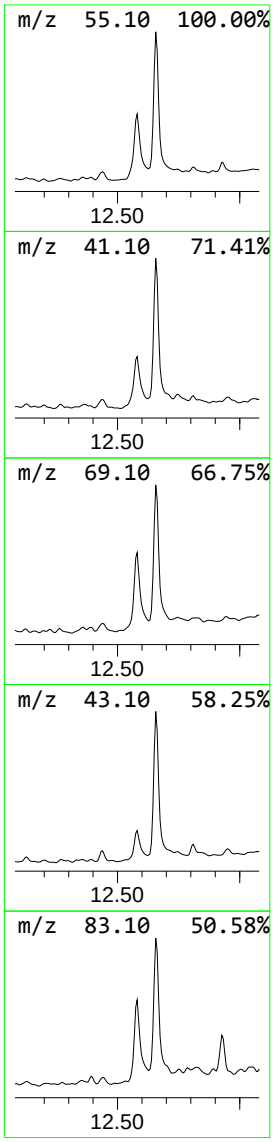
Peak Number 18 6-Octadecenoic acid, (Z)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.580	4.27 ng	505499	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Octadecenoic acid, (Z)-	282	C18H34O2	000593-39-5	99
2	Oleic Acid	282	C18H34O2	000112-80-1	99
3	cis-Vaccenic acid	282	C18H34O2	000506-17-2	99
4	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	97
5	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	96





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Operator : RC/JU
Sample : P5299-03
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ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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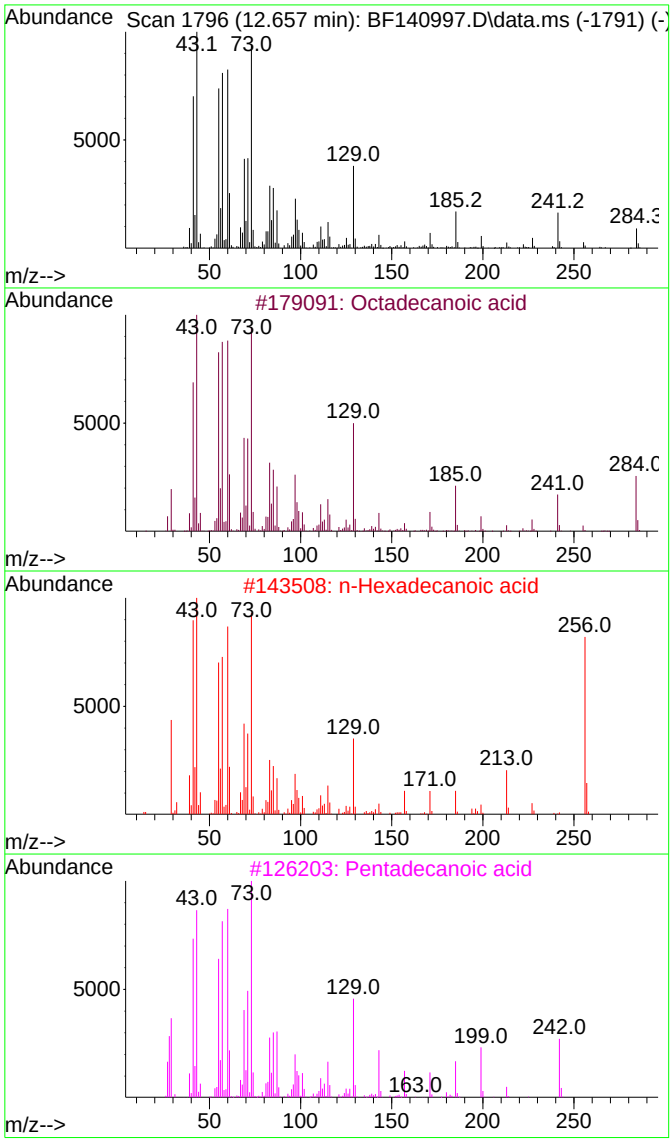
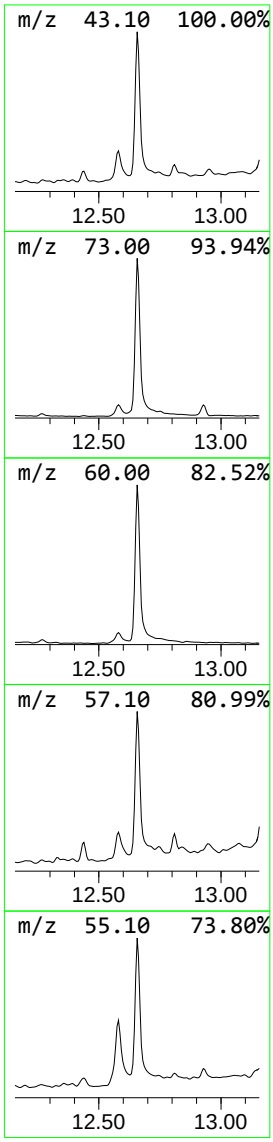
Peak Number 19 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.657	7.89 ng	934578	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74





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ALS Vial : 5 Sample Multiplier: 1

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

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

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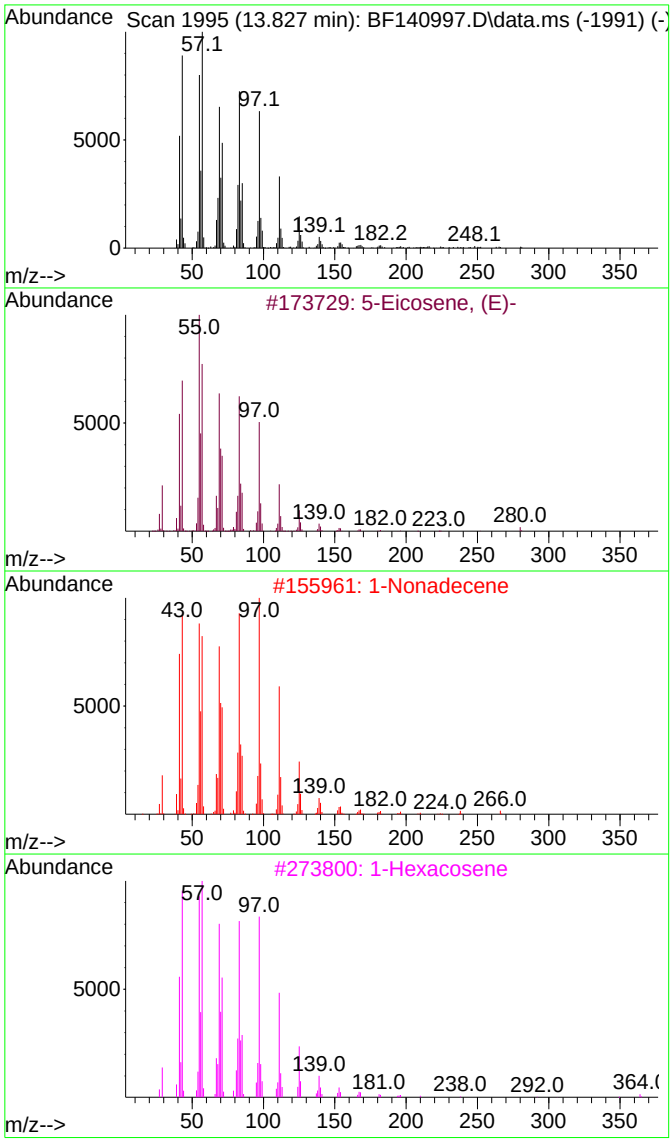
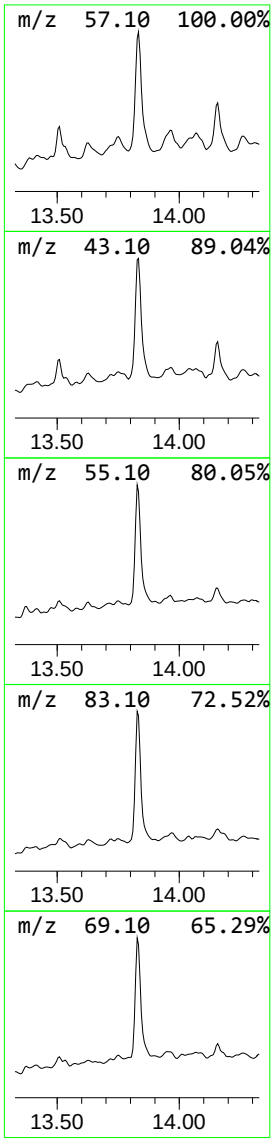
Peak Number 20 5-Eicosene, (E)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.827	7.17 ng	703993	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	1-Nonadecene	266	C19H38	018435-45-5	96
3	1-Hexacosene	364	C26H52	018835-33-1	94
4	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94





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ALS Vial : 5 Sample Multiplier: 1

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Decane	6.663	2.2	ng	164660	1	6.828	1489290	20.0
Undecane, 2,6-d...	8.169	2.1	ng	369248	2	8.104	3453990	20.0
unknown8.404	8.404	5.7	ng	984460	2	8.104	3453990	20.0
Dodecane, 2-met...	8.486	2.4	ng	409930	2	8.104	3453990	20.0
Dodecane, 4,6-d...	8.528	7.3	ng	1261550	2	8.104	3453990	20.0
Tridecane	8.698	19.5	ng	3373200	2	8.104	3453990	20.0
Octacosane, 2-m...	8.792	3.6	ng	623169	2	8.104	3453990	20.0
Tridecane, 6-me...	8.986	7.5	ng	955335	3	9.857	2540480	20.0
2-Bromo dodecane	9.063	5.8	ng	729824	3	9.857	2540480	20.0
Tridecane, 3-me...	9.104	4.1	ng	526196	3	9.857	2540480	20.0
Dodecane, 2,6,1...	9.128	13.6	ng	1720630	3	9.857	2540480	20.0
Tetradecane	9.263	44.7	ng	5680800	3	9.857	2540480	20.0
2,6,10-Trimethy...	9.580	17.9	ng	2274240	3	9.857	2540480	20.0
Pentadecane	9.792	18.9	ng	2407210	3	9.857	2540480	20.0
Hexadecane	10.292	4.1	ng	516006	3	9.857	2540480	20.0
Benzophenone	10.569	8.0	ng	1017420	3	9.857	2540480	20.0
n-Hexadecanoic ...	11.874	19.1	ng	2264920	4	11.339	2368720	20.0
6-Octadecenoic ...	12.580	4.3	ng	505499	4	11.339	2368720	20.0
Octadecanoic acid	12.657	7.9	ng	934578	4	11.339	2368720	20.0
5-Eicosene, (E)-	13.827	7.2	ng	703993	5	13.974	1964180	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-02

Quant Time: Dec 27 15:25:39 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

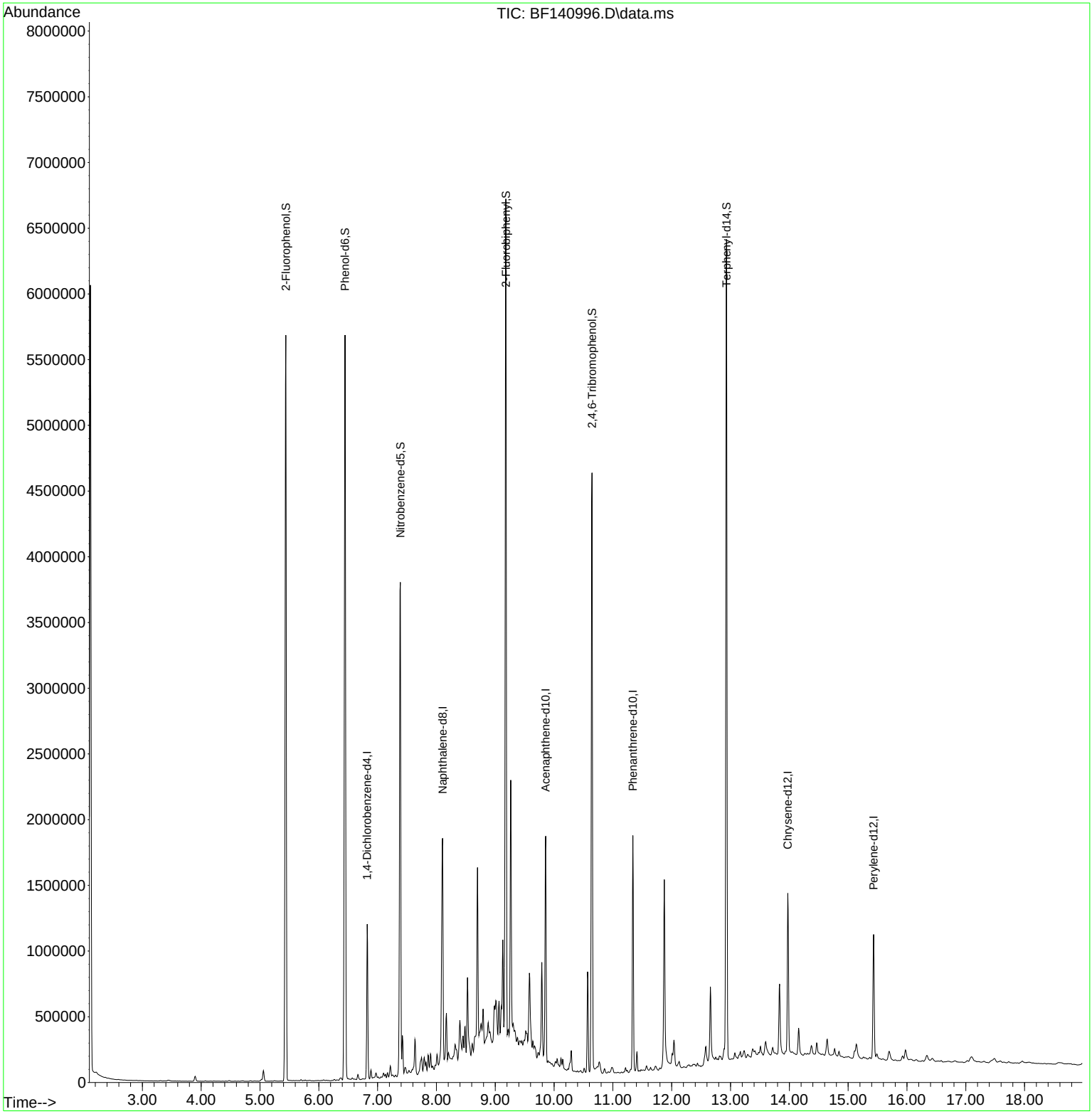
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	239225	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	933657	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	501639	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	863212	20.000	ng	0.00
76) Chrysene-d12	13.974	240	557903	20.000	ng	-0.01
86) Perylene-d12	15.433	264	525276	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	2344195	147.710	ng	0.00
7) Phenol-d6	6.446	99	3021499	147.792	ng	0.00
23) Nitrobenzene-d5	7.387	82	1830138	125.408	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	849294	174.234	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2894268	91.924	ng	0.00
79) Terphenyl-d14	12.933	244	3171421	94.420	ng	0.00
Target Compounds						Qvalue

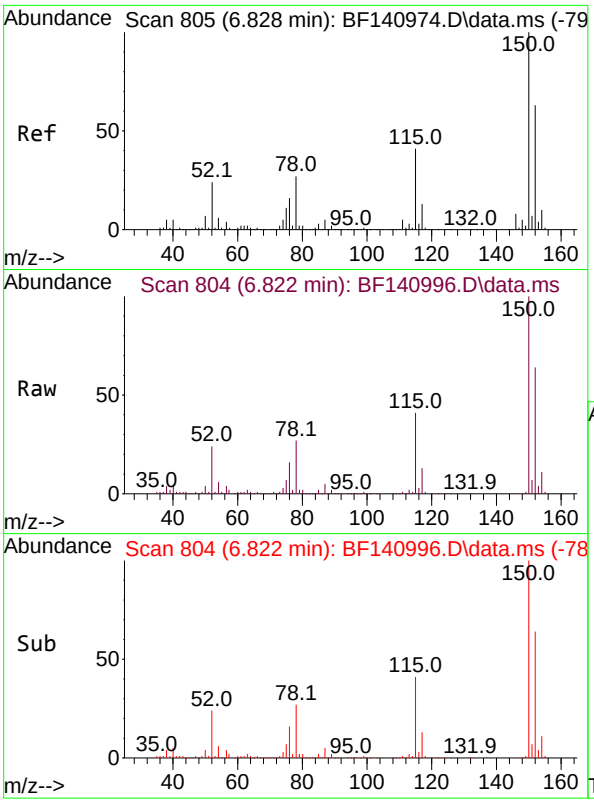
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Time: Dec 27 15:25:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



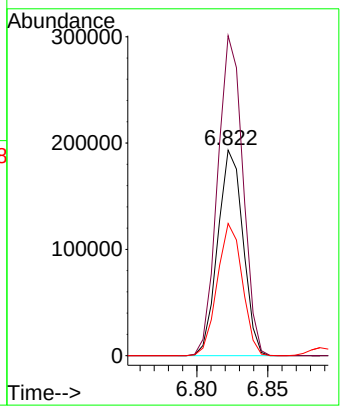


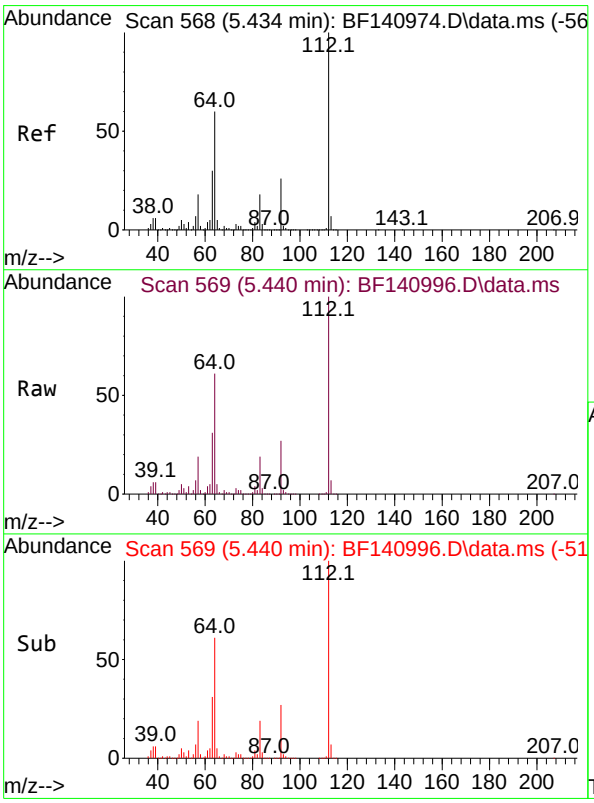
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:152 Resp: 239225

Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.0	190.6
115	64.3	51.7	77.5

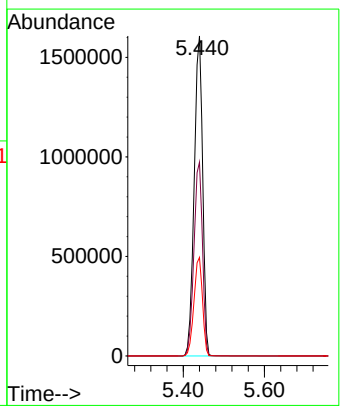


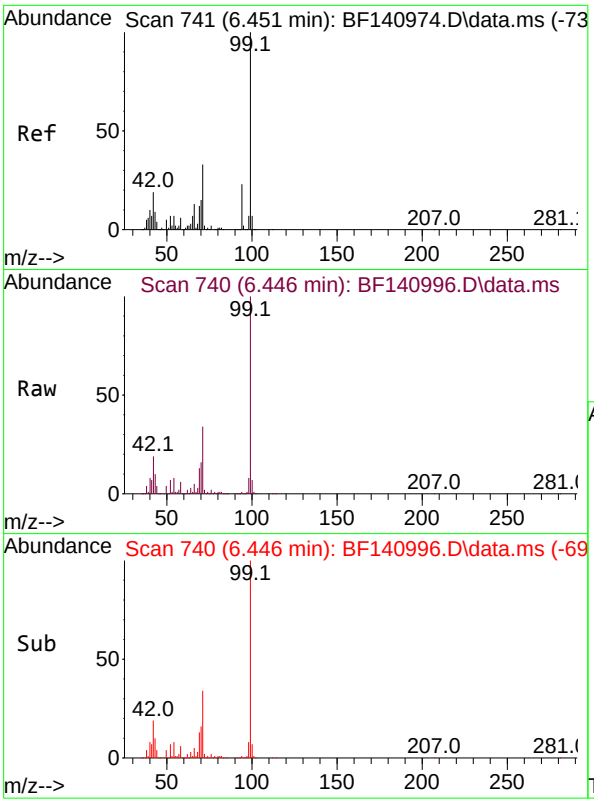


#5
2-Fluorophenol
Concen: 147.710 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:112 Resp: 2344195

Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.7	71.5
63	30.8	24.2	36.2



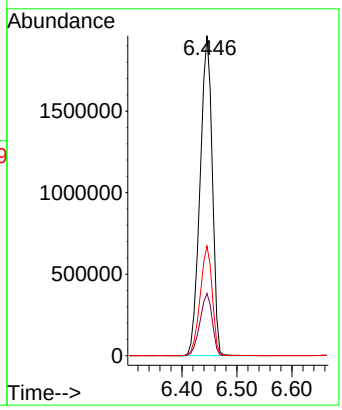


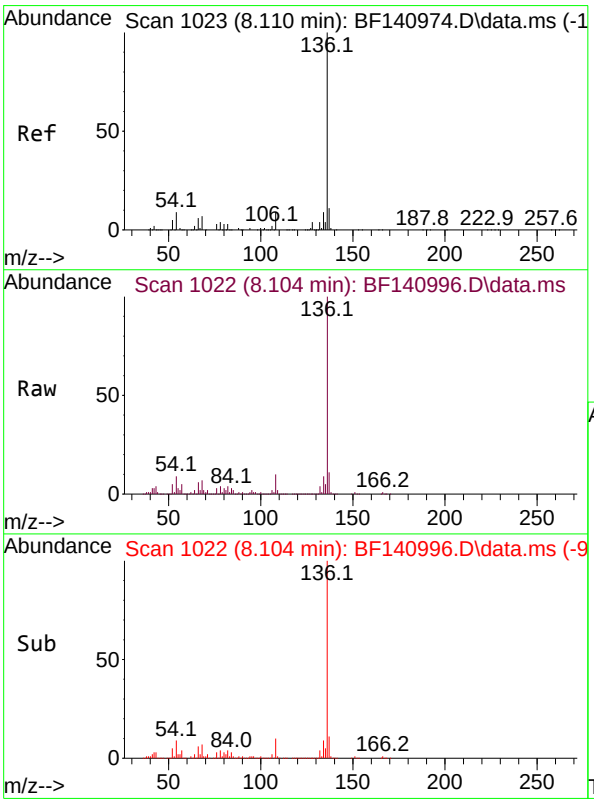
#7
Phenol-d6
Concen: 147.792 ng
RT: 6.446 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion: 99 Resp: 3021499

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.0	22.4
71	34.2	26.2	39.2

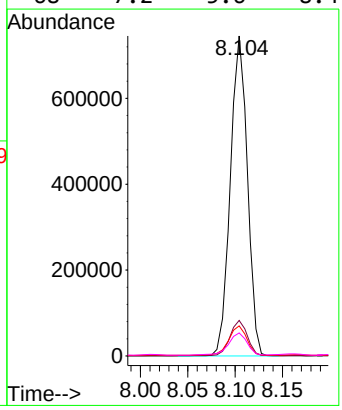


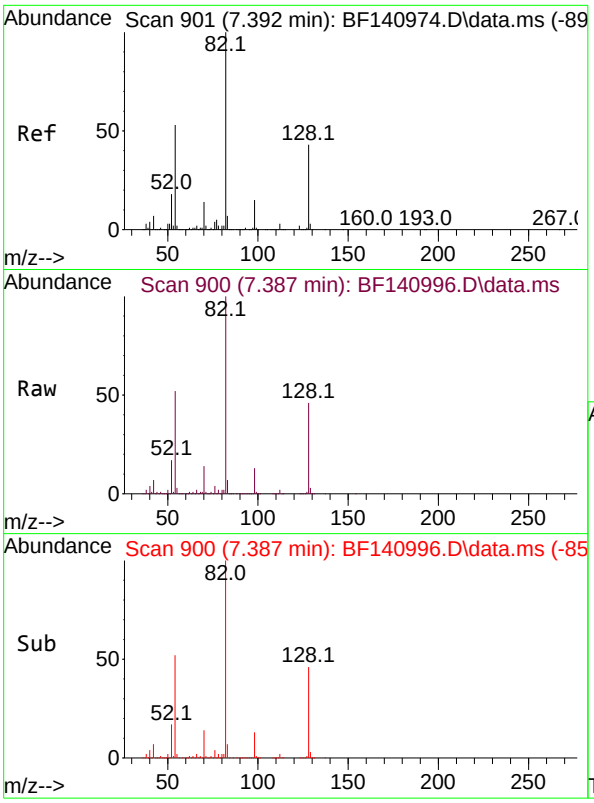


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:136 Resp: 933657

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.4	7.6	11.4
68	7.2	5.6	8.4



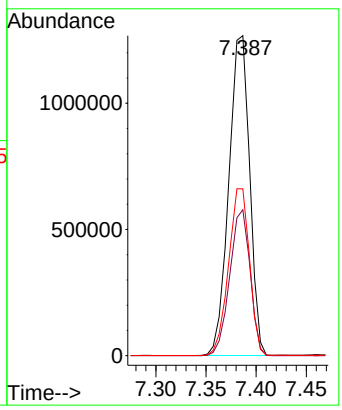


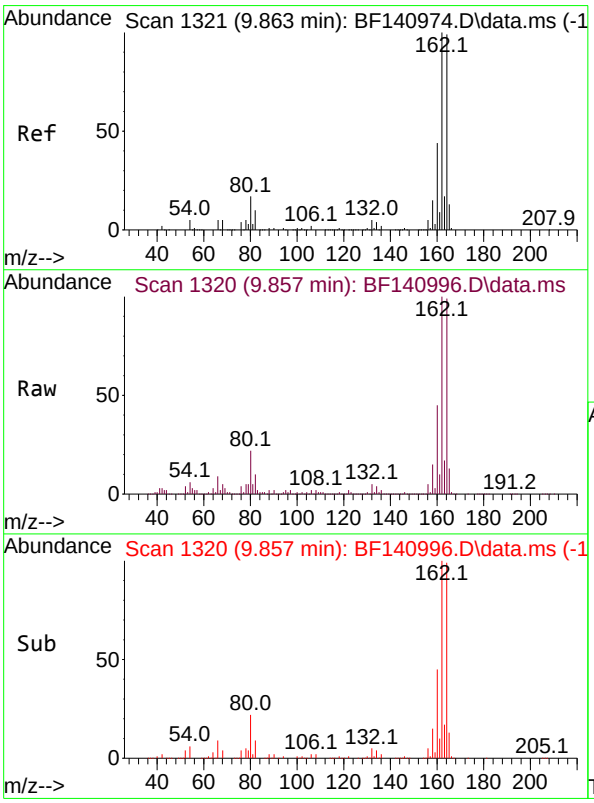
#23
Nitrobenzene-d5
Concen: 125.408 ng
RT: 7.387 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion: 82 Resp: 1830138

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.4	51.6
54	52.2	42.4	63.6

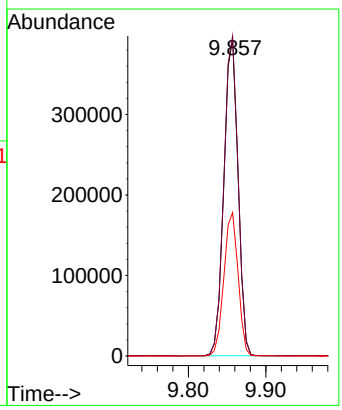


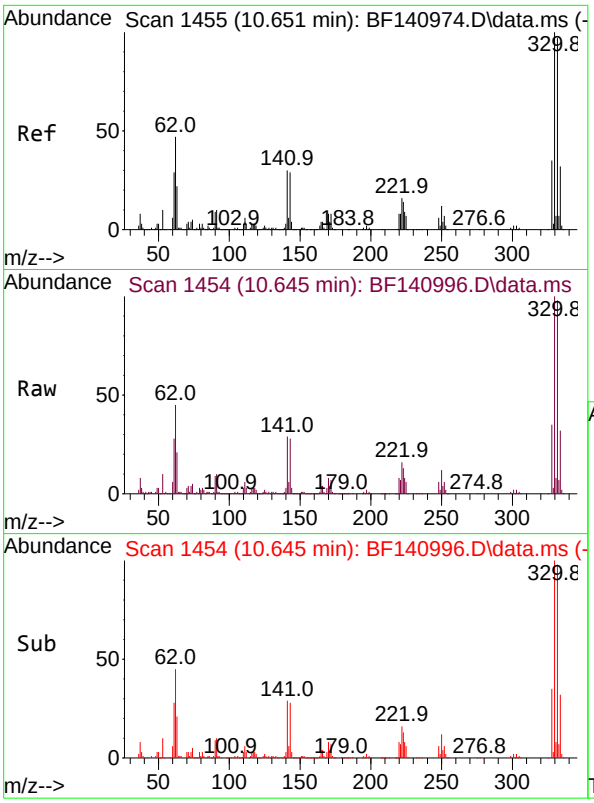


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:164 Resp: 501639

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	120.8
160	45.3	35.7	53.5



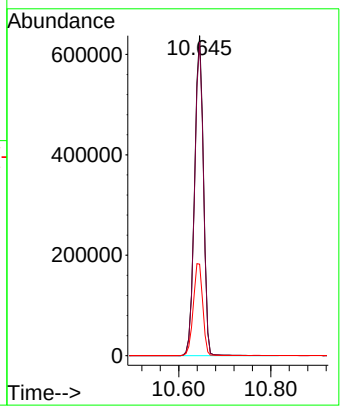


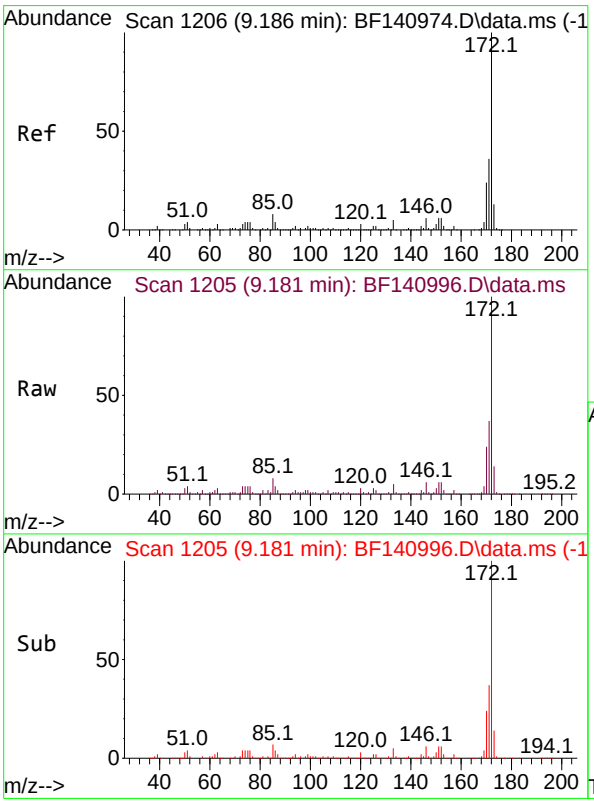
#42
2,4,6-Tribromophenol
Concen: 174.234 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:330 Resp: 849294

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.0	117.0
141	30.4	26.4	39.6

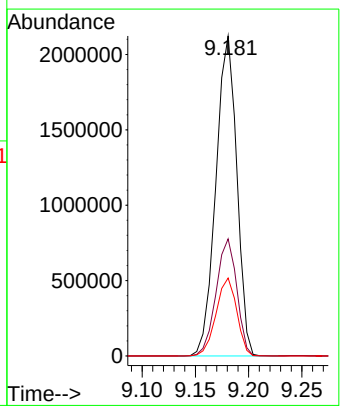


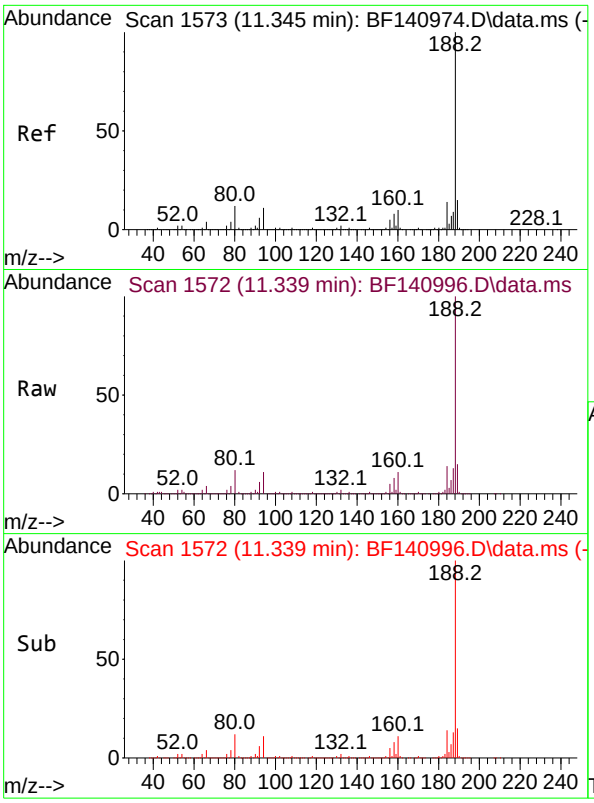


#45
2-Fluorobiphenyl
Concen: 91.924 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:172 Resp: 2894268

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.3	19.6	29.4



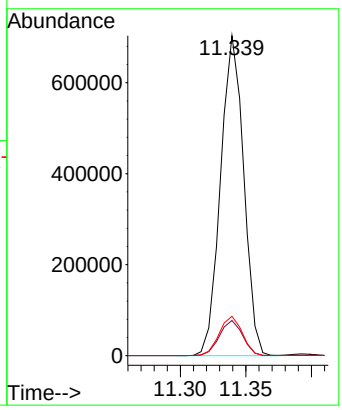


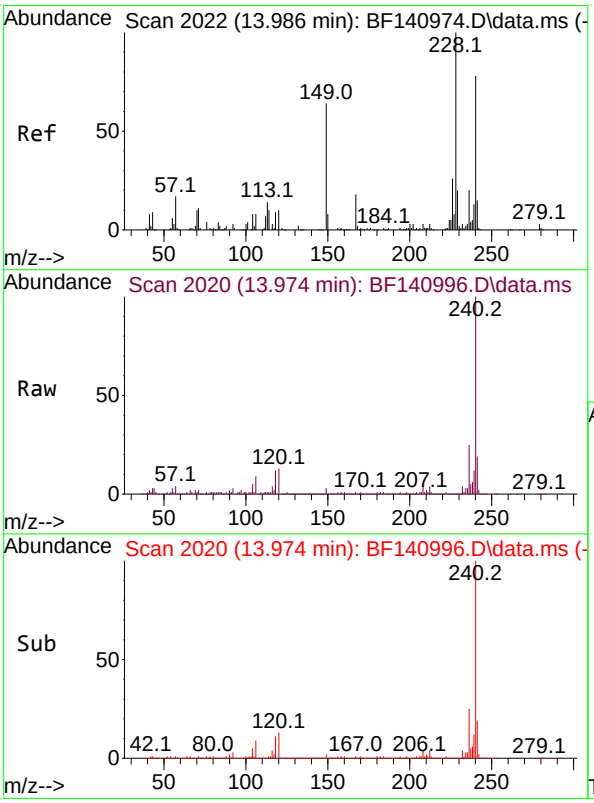
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:188 Resp: 863212

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.0	13.6
80	12.3	9.8	14.6

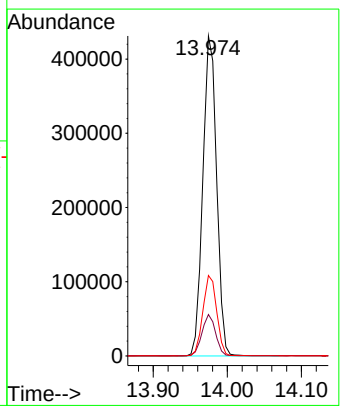


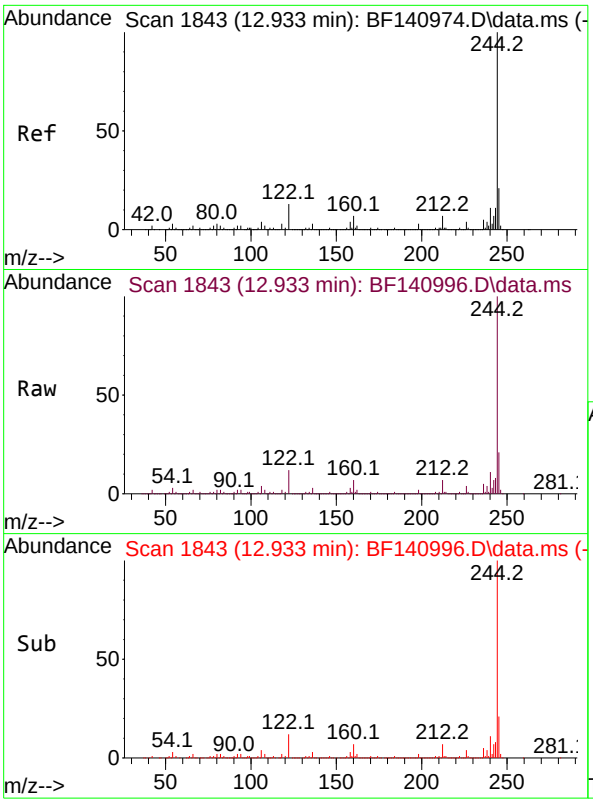


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:240 Resp: 557903

Ion	Ratio	Lower	Upper
240	100		
120	12.9	10.7	16.1
236	25.1	20.6	31.0



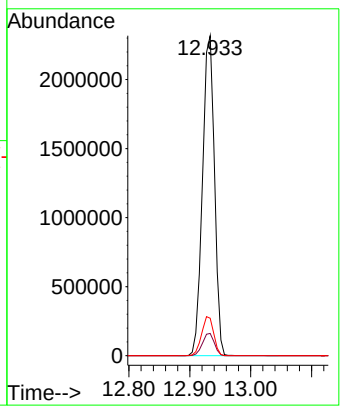


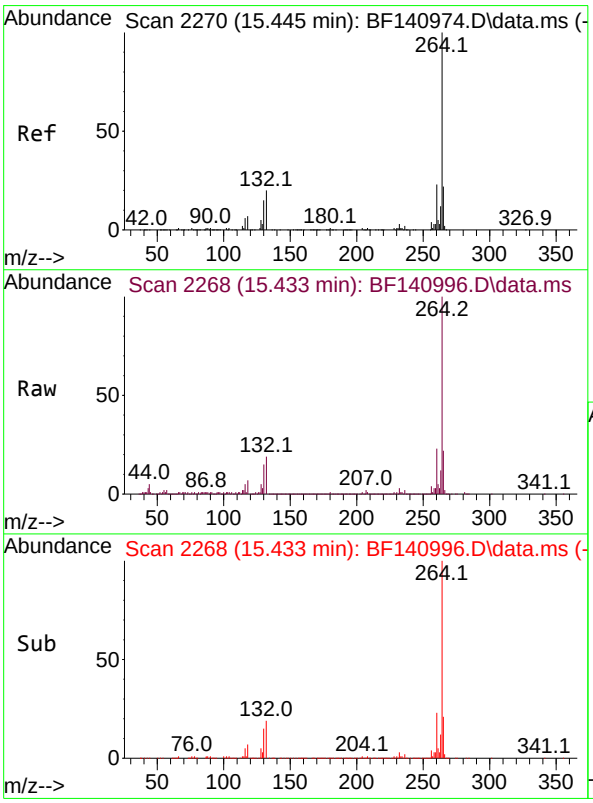
#79
Terphenyl-d14
Concen: 94.420 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:244 Resp: 3171421

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.7	10.2	15.2

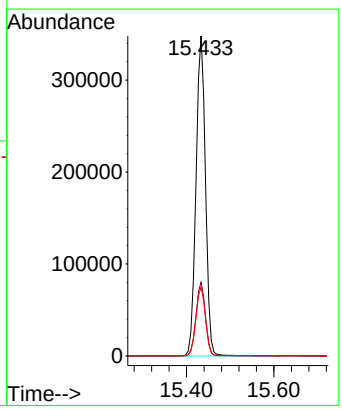




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.012 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:264 Resp: 525276

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.5	17.4	26.2



Sample Results: **BF140996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140996.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.057	499	504	513	rVB	80604	132894	1.51%	0.168%
2	5.440	561	569	574	rBV	5675334	8307613	94.41%	10.486%
3	6.446	732	740	748	rBV	5668140	8799886	100.00%	11.108%
4	6.822	799	804	811	rVB	1176859	1481695	16.84%	1.870%
5	6.887	811	815	819	rBV	68815	90747	1.03%	0.115%
6	7.216	866	871	875	rBV3	83315	125067	1.42%	0.158%
7	7.387	890	900	904	rBV	3762845	5595787	63.59%	7.063%
8	7.422	904	906	910	rVV	298425	337213	3.83%	0.426%
9	7.469	910	914	920	rVB4	45991	96122	1.09%	0.121%
10	7.634	938	942	949	rVB2	267816	407277	4.63%	0.514%
11	7.745	950	961	965	rBV4	131058	327012	3.72%	0.413%
12	7.792	965	969	972	rBV2	102186	156821	1.78%	0.198%
13	7.857	977	980	984	rBV	117382	155708	1.77%	0.197%
14	7.898	984	987	991	rVB2	104888	129664	1.47%	0.164%
15	8.010	1003	1006	1010	rBV2	83974	101246	1.15%	0.128%
16	8.104	1012	1022	1027	rVV2	1714366	3007677	34.18%	3.796%
17	8.169	1028	1033	1036	rVV	361027	459182	5.22%	0.580%
18	8.204	1036	1039	1046	rVV5	55499	92371	1.05%	0.117%
19	8.316	1054	1058	1061	rBV2	91478	145547	1.65%	0.184%
20	8.398	1066	1072	1078	rBV4	301593	620511	7.05%	0.783%
21	8.451	1078	1081	1083	rVV2	103104	99306	1.13%	0.125%
22	8.487	1083	1087	1090	rVB	198866	251236	2.85%	0.317%
23	8.528	1090	1094	1104	rVB	591803	932489	10.60%	1.177%
24	8.610	1104	1108	1111	rBV2	87956	129360	1.47%	0.163%
25	8.651	1111	1115	1116	rBV2	115851	146848	1.67%	0.185%
26	8.698	1118	1123	1127	rVV	1284151	1570346	17.85%	1.982%
27	8.792	1136	1139	1143	rVB	259710	336292	3.82%	0.424%
28	8.881	1151	1154	1157	rBV2	102376	126326	1.44%	0.159%
29	8.987	1167	1172	1173	rBV	269470	368508	4.19%	0.465%
30	9.063	1182	1185	1188	rBV	254231	286283	3.25%	0.361%
31	9.104	1188	1192	1193	rVV	212029	252563	2.87%	0.319%
32	9.128	1193	1196	1199	rVV	722189	866611	9.85%	1.094%
33	9.181	1199	1205	1209	rVB	6362160	8676357	98.60%	10.952%
34	9.263	1214	1219	1224	rBV	1942750	2553956	29.02%	3.224%
35	9.516	1260	1262	1265	rBV2	63951	98465	1.12%	0.124%
36	9.581	1268	1273	1281	rVB3	564904	1030767	11.71%	1.301%

Sample Results: **BF140996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.792	1302	1309	1313	rVV	716422	979549	11.13%	1.236%
38	9.857	1314	1320	1325	rVB	1721968	2314361	26.30%	2.921%
39	10.116	1360	1364	1367	rBV3	64901	94622	1.08%	0.119%
40	10.145	1367	1369	1381	rVB	83279	126568	1.44%	0.160%
41	10.292	1386	1394	1401	rVB2	159354	297044	3.38%	0.375%
42	10.569	1436	1441	1447	rBV	765006	980364	11.14%	1.237%
43	10.645	1447	1454	1459	rBV	4557880	6329396	71.93%	7.989%
44	10.769	1472	1475	1484	rVB2	87151	182923	2.08%	0.231%
45	11.339	1567	1572	1579	rVB	1790749	2215409	25.18%	2.796%
46	11.410	1579	1584	1588	rVB2	149097	187983	2.14%	0.237%
47	11.875	1655	1663	1678	rBV	1427707	2338402	26.57%	2.952%
48	12.010	1682	1686	1687	rVV	97215	128659	1.46%	0.162%
49	12.039	1688	1691	1699	rVB2	198556	295585	3.36%	0.373%
50	12.580	1776	1783	1789	rBV2	128685	284173	3.23%	0.359%
51	12.657	1790	1796	1808	rVV	563490	935364	10.63%	1.181%
52	12.933	1837	1843	1848	rVB	6223410	8597576	97.70%	10.852%
53	13.833	1991	1996	2009	rVB	532615	858158	9.75%	1.083%
54	13.974	2015	2020	2030	rVB	1211432	1610888	18.31%	2.033%
55	14.157	2047	2051	2064	rVB	207595	359100	4.08%	0.453%
56	14.463	2100	2103	2117	rVB2	88905	165690	1.88%	0.209%
57	14.645	2130	2134	2144	rVB	121892	221649	2.52%	0.280%
58	15.433	2262	2268	2274	rBV	941316	1424816	16.19%	1.798%

Sum of corrected areas: 79224032

Sample Results: **BF140996.D**

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Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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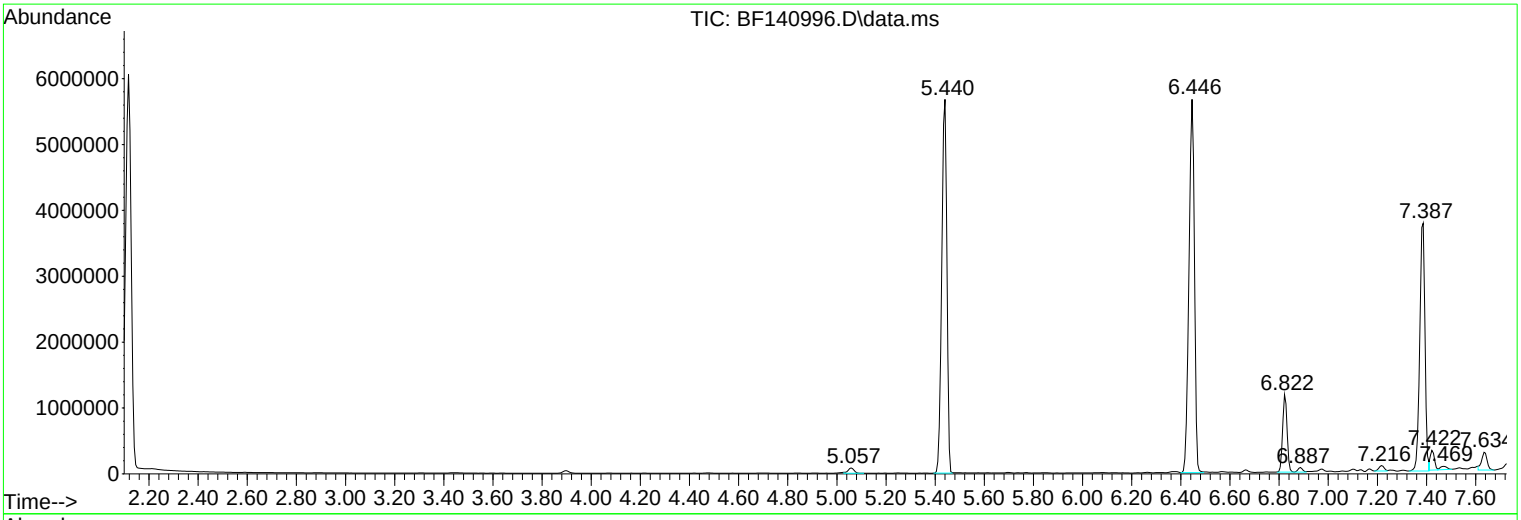

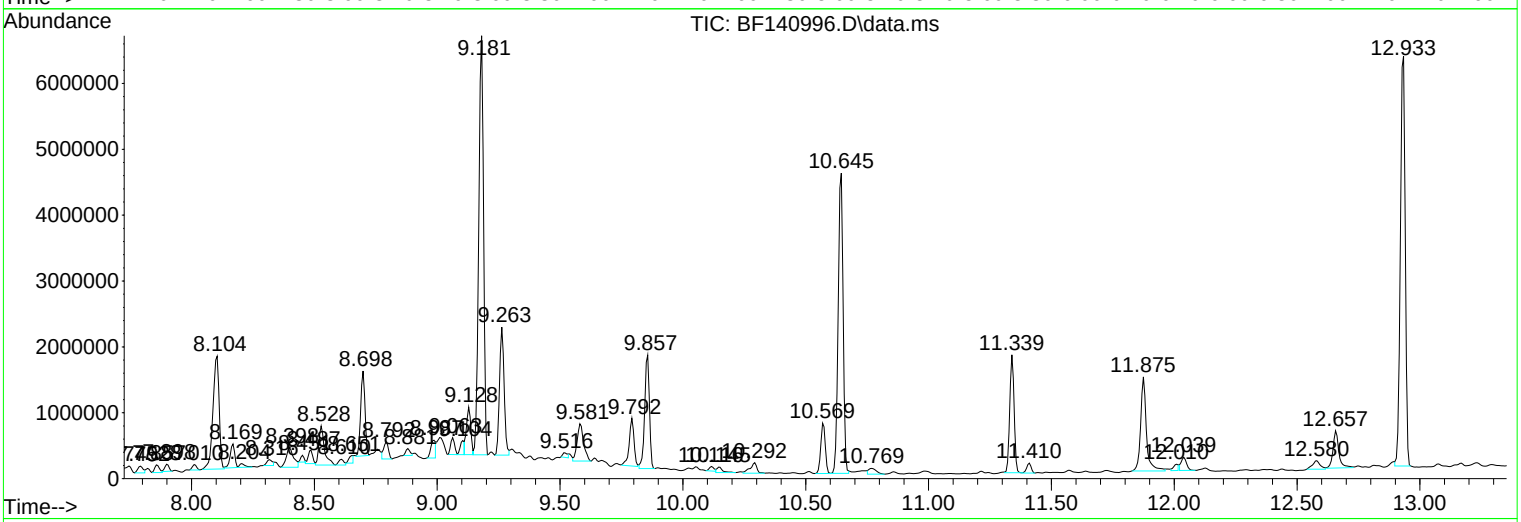

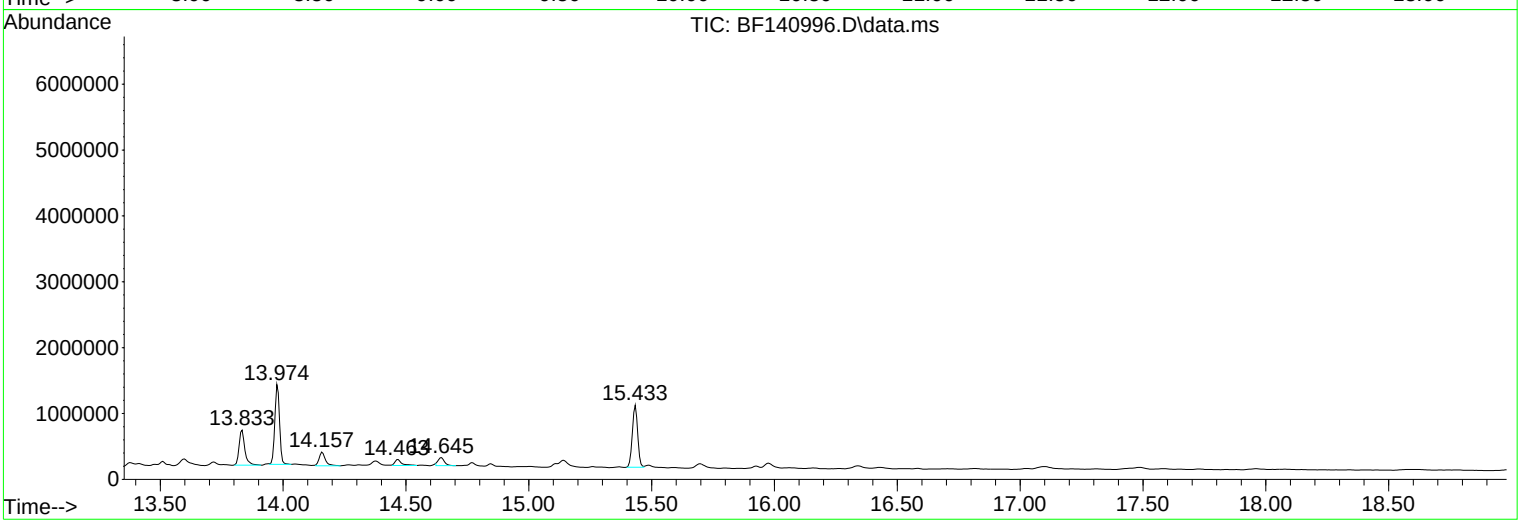

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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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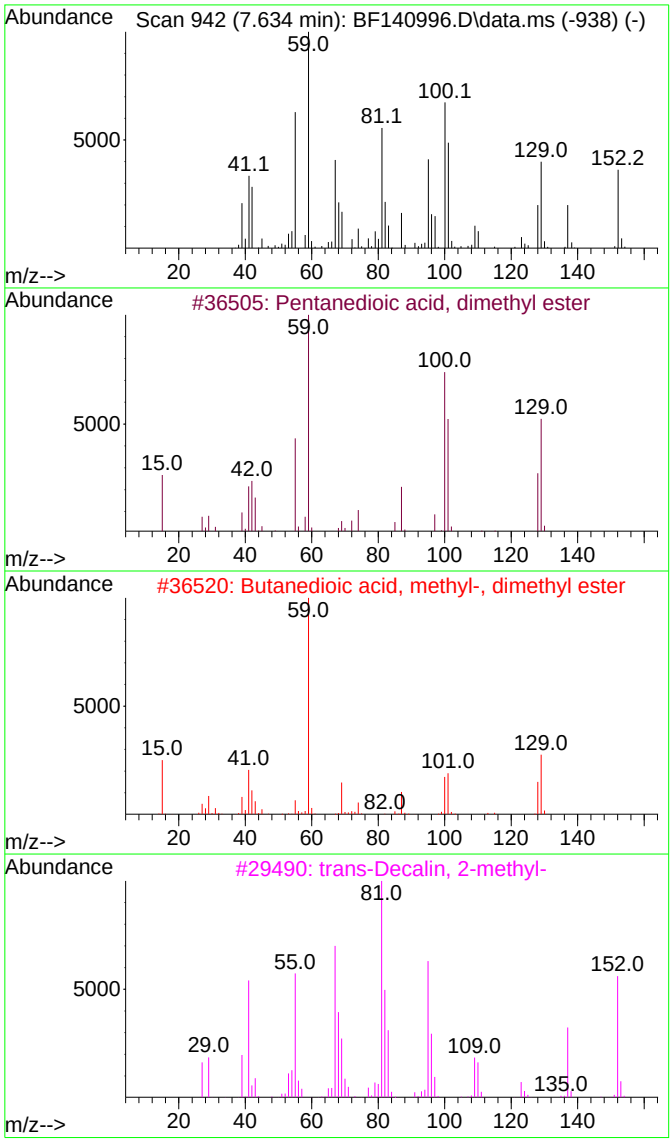
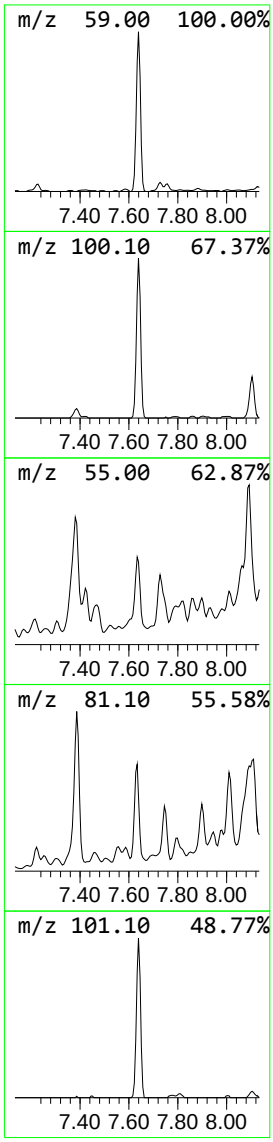
Peak Number 1 unknown7.634 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.634	2.71 ng	407277	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanedioic acid, dimethyl ester	160	C7H12O4	001119-40-0	49
2	Butanedioic acid, methyl-, dimet...	160	C7H12O4	001604-11-1	38
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	38
4	Butyric acid, 3-bromo-, methyl e...	180	C5H9BrO2	021249-59-2	22
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	22





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Misc :
ALS Vial : 4 Sample Multiplier: 1

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BNA_F
ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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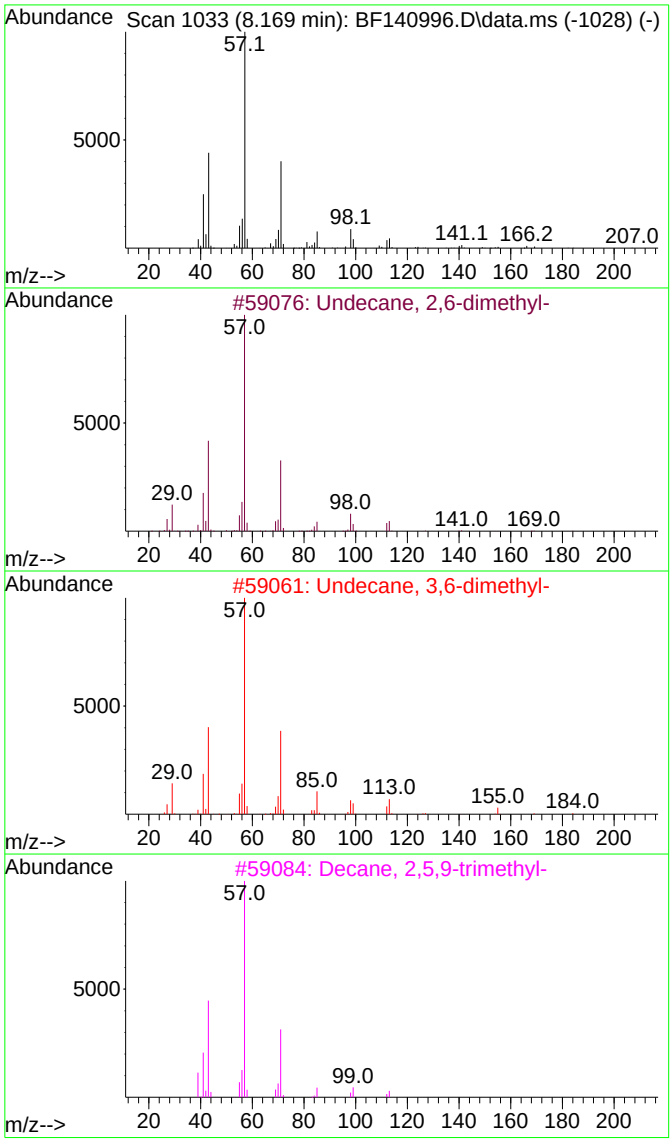
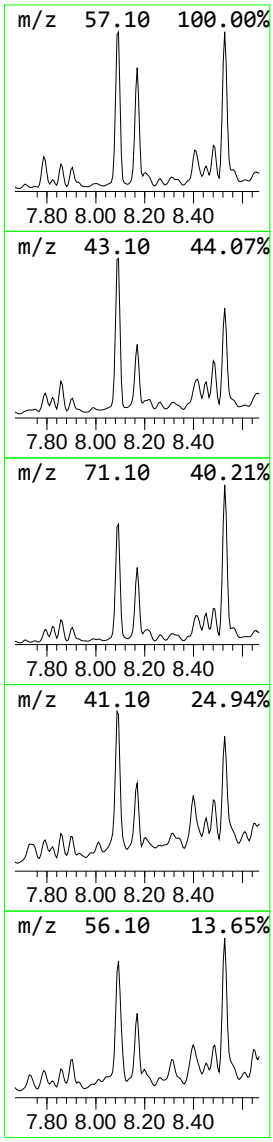
Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.169	3.05 ng	459182	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	97
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	83
3	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	78
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	78
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	64





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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-02

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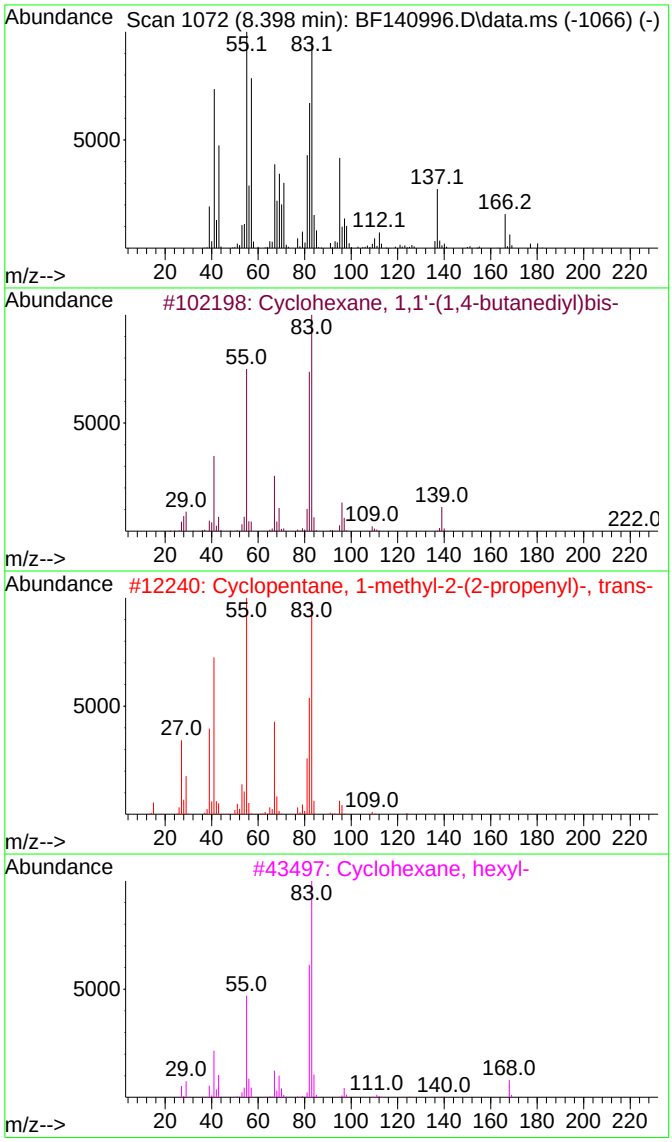
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

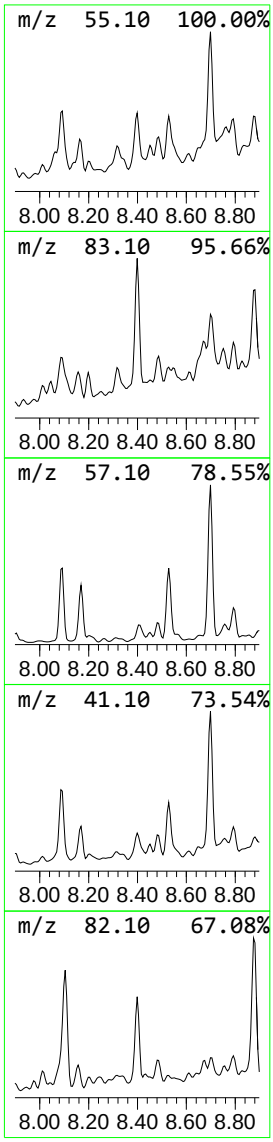
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,1'-(1,4-buta... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.398	4.13 ng	620511	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	50
2	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	47
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	46
4	Cyclohexane, (cyclopentylmethyl)-	166	C12H22	004431-89-4	46
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	43





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Acq On : 27 Dec 2024 15:00
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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

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

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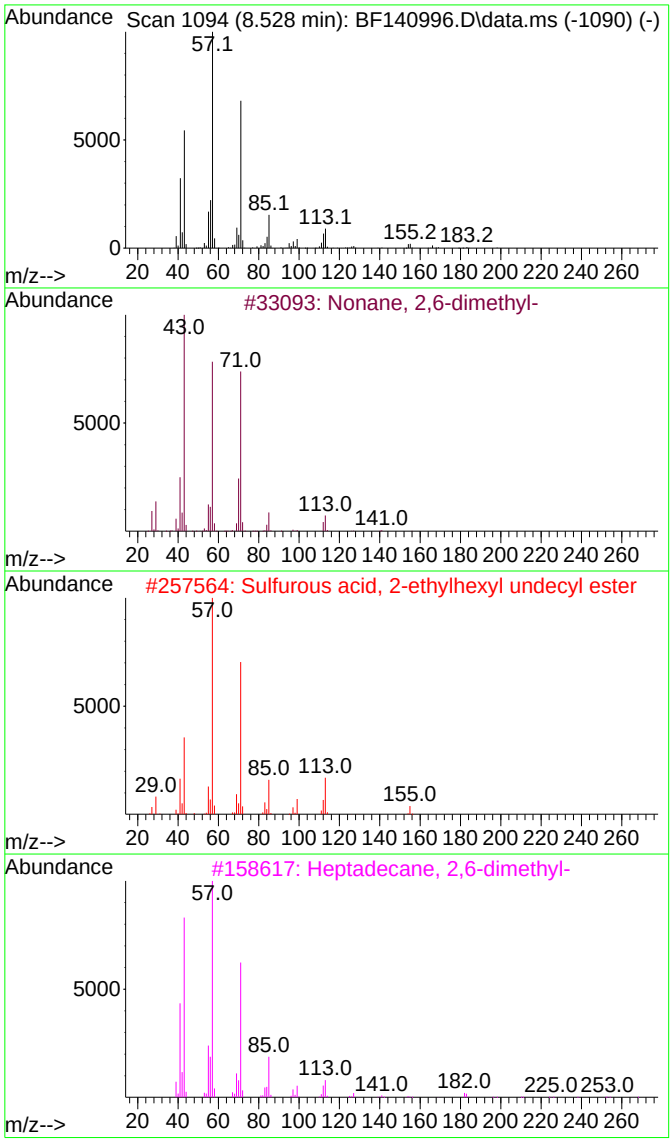
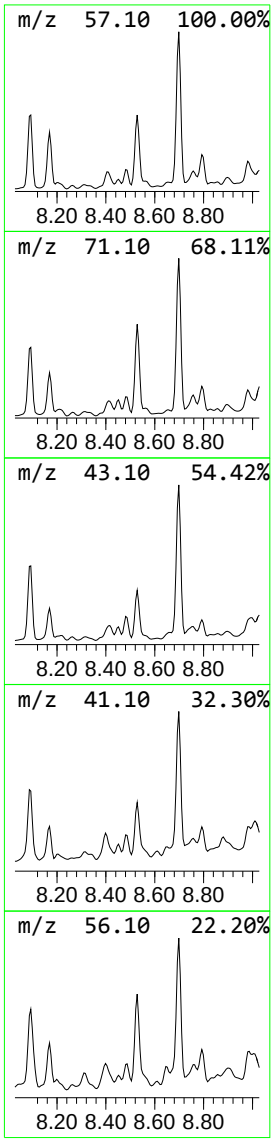
Peak Number 4 Nonane, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.528	6.20 ng	932489	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
2	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	72
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	72
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	70
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64





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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

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

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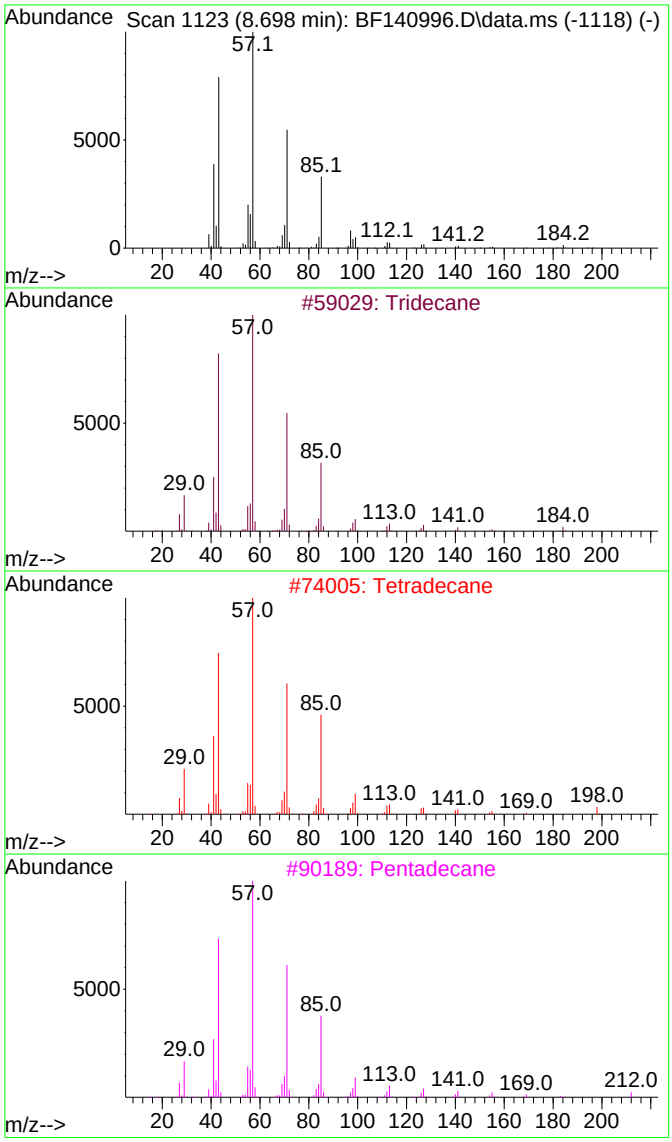
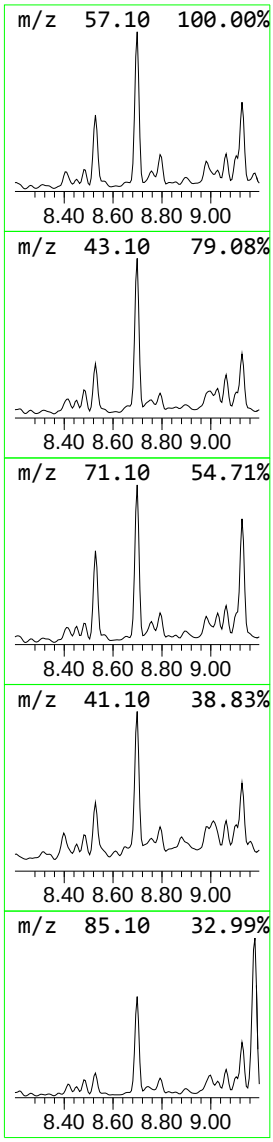
Peak Number 5 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.698	10.44 ng	1570350	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Tetradecane	198	C14H30	000629-59-4	86
3	Pentadecane	212	C15H32	000629-62-9	86
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	78
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78





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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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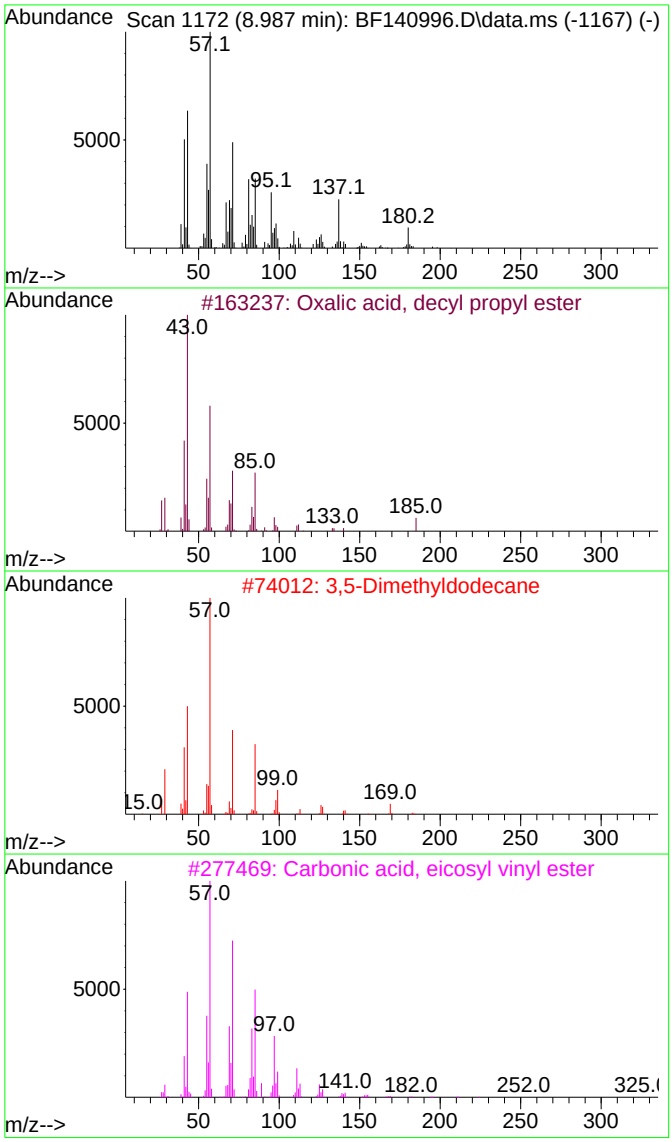
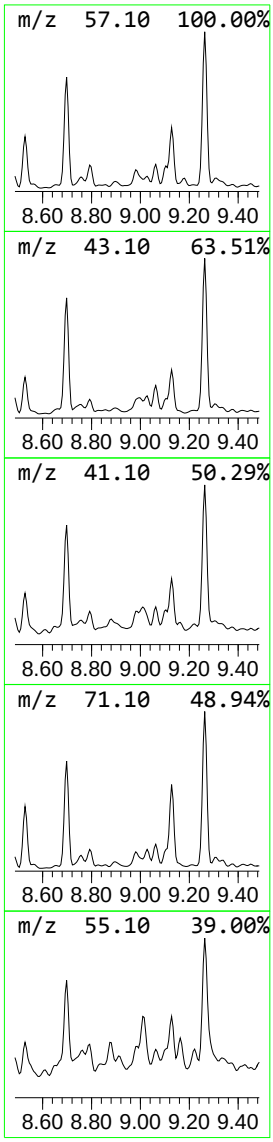
Peak Number 6 unknown8.987 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.987	3.18 ng	368508	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, decyl propyl ester	272	C15H28O4	1000309-26-3	46
2	3,5-Dimethyldodecane	198	C14H30	107770-99-0	45
3	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	43
4	Carbonic acid, dodecyl vinyl ester	256	C15H28O3	1000382-54-8	43
5	Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	38





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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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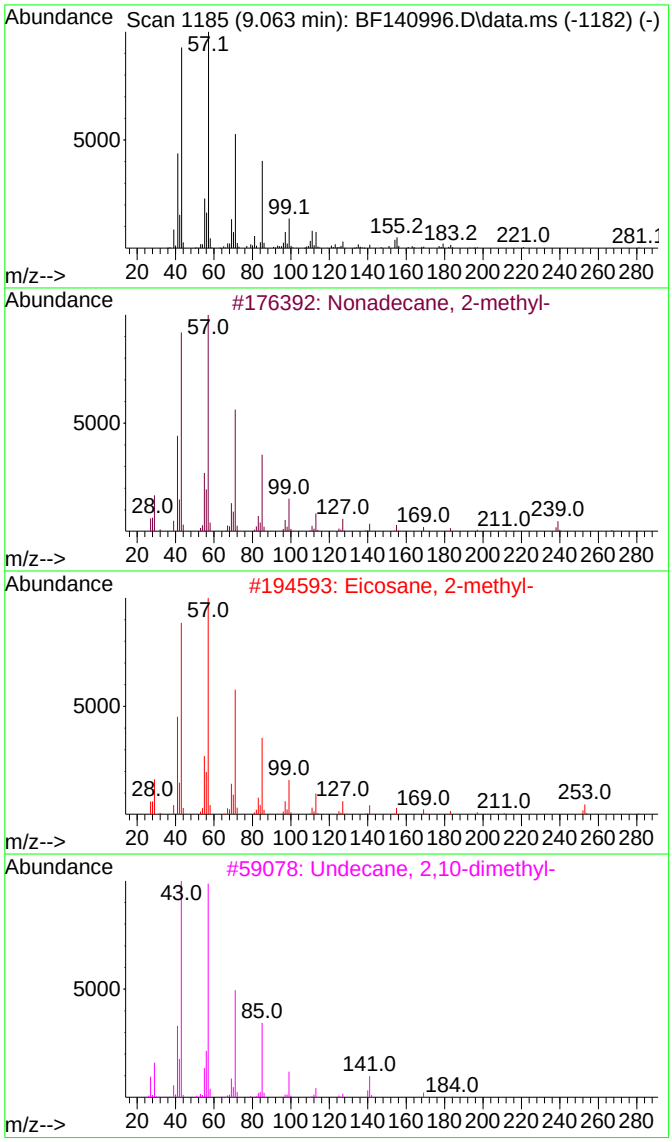
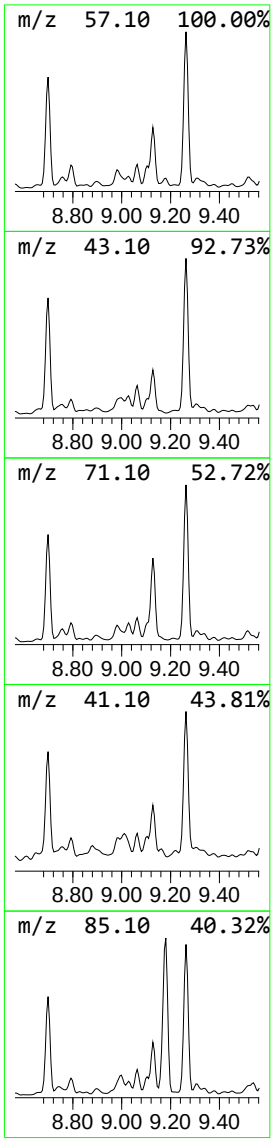
Peak Number 7 Nonadecane, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.063	2.47 ng	286283	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	86
2	Eicosane, 2-methyl-	296	C21H44	001560-84-5	86
3	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	83
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5	Octadecane, 2-methyl-	268	C19H40	001560-88-9	78





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Sample : P5299-04
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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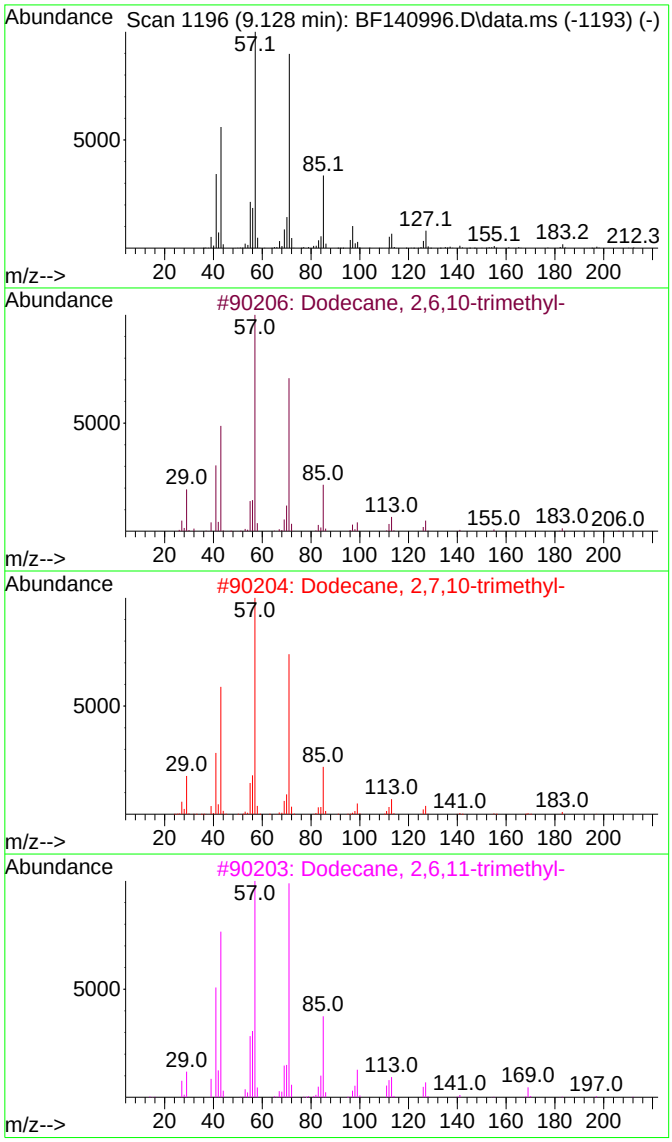
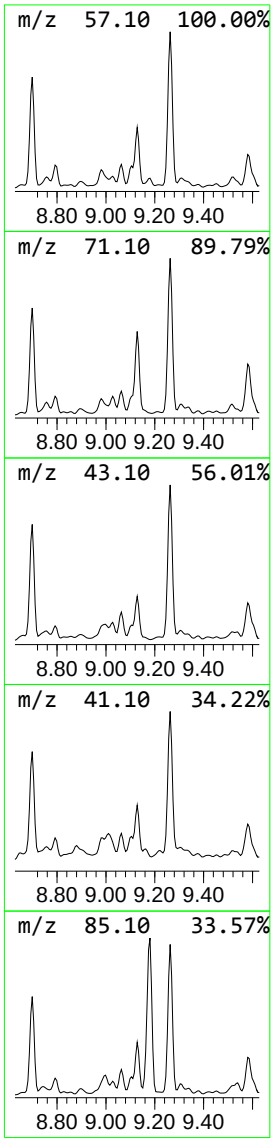
Peak Number 8 Dodecane, 2,6,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.128	7.49 ng	866611	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	59
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	59





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ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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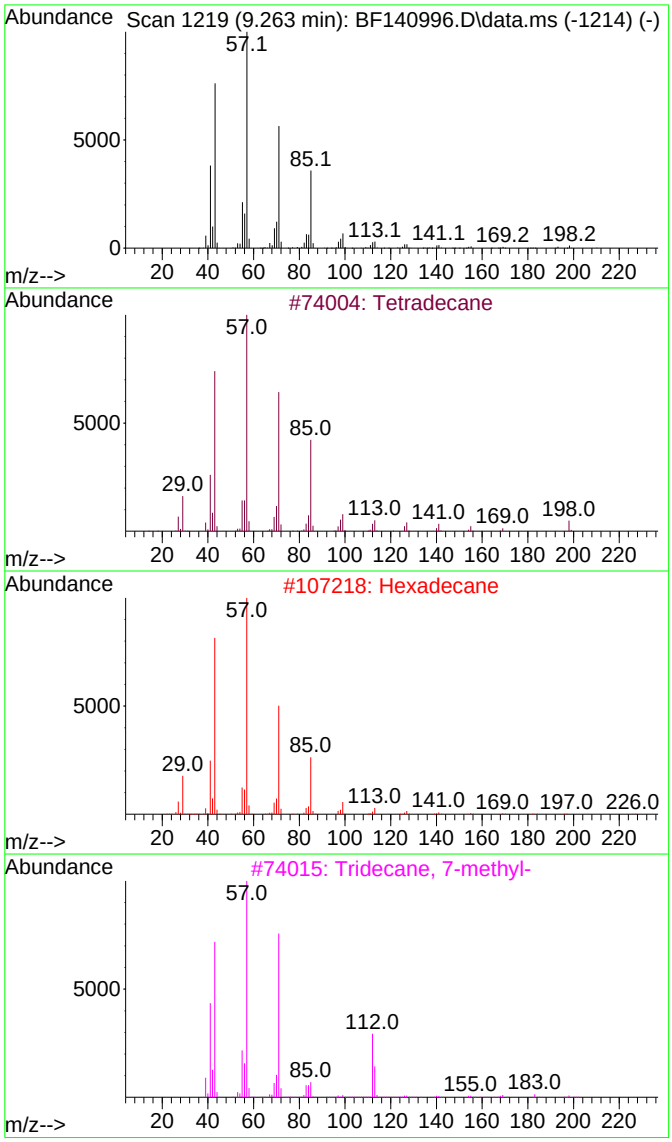
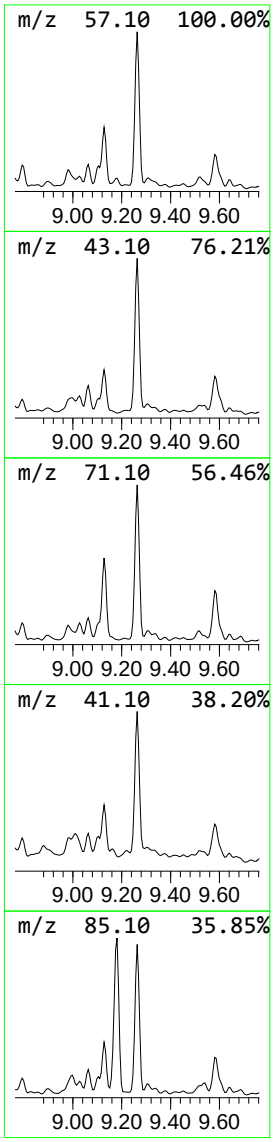
Peak Number 9 Tetradecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.263	22.07 ng	2553960	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tridecane, 7-methyl-	198	C14H30	026730-14-3	81
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	80
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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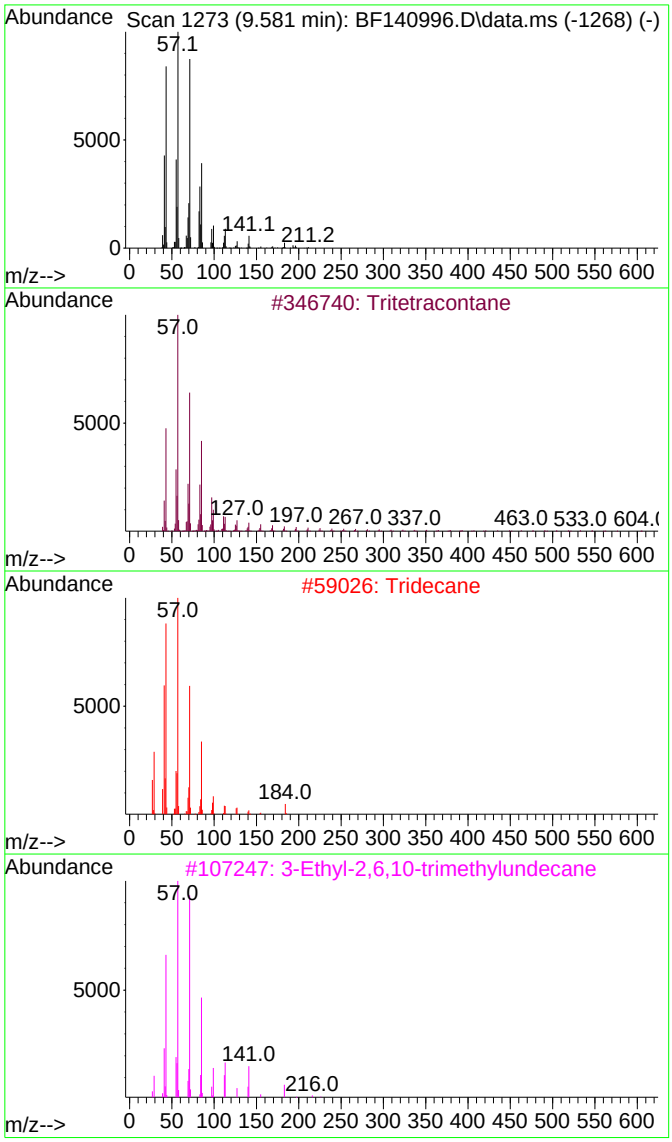
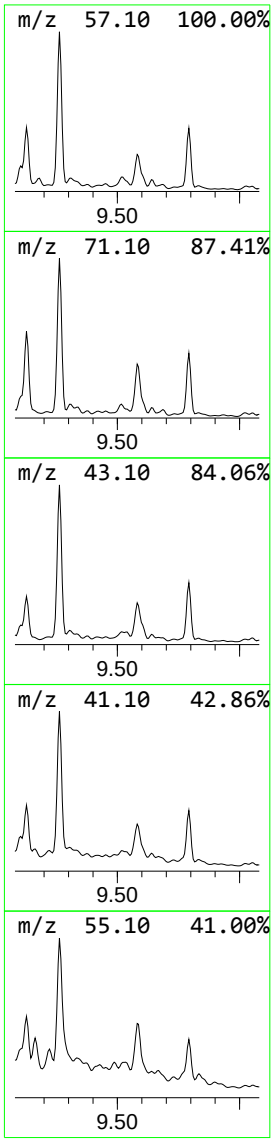
Peak Number 10 Tritetracontane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.581	8.91 ng	1030770	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	90
2	Tridecane	184	C13H28	000629-50-5	83
3	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	80
4	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72





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Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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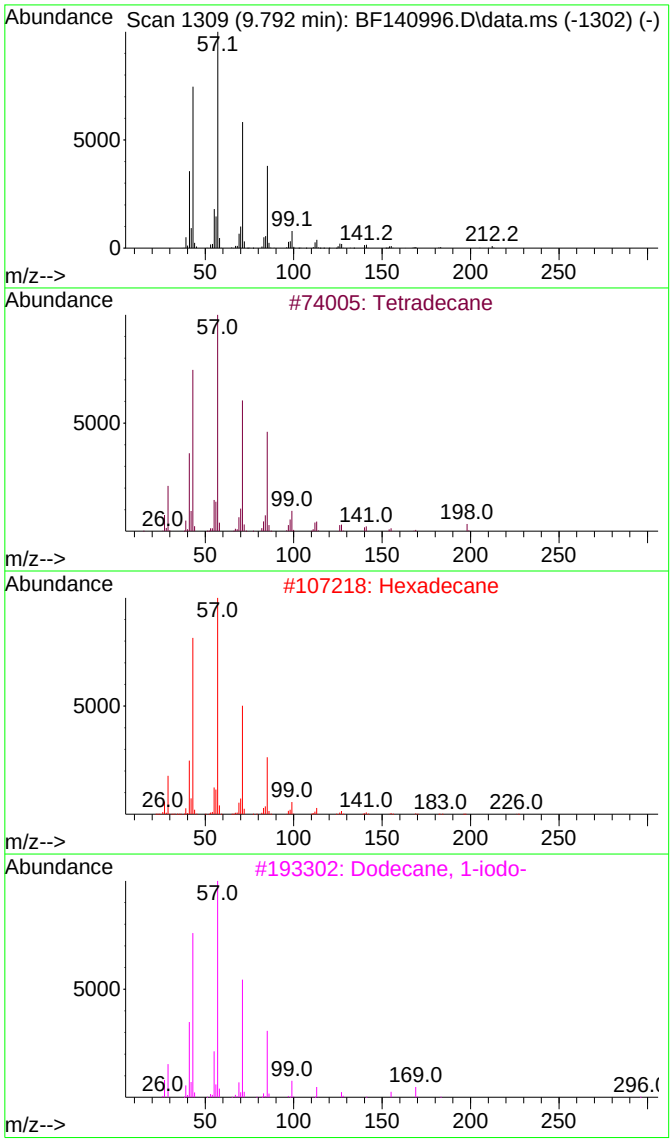
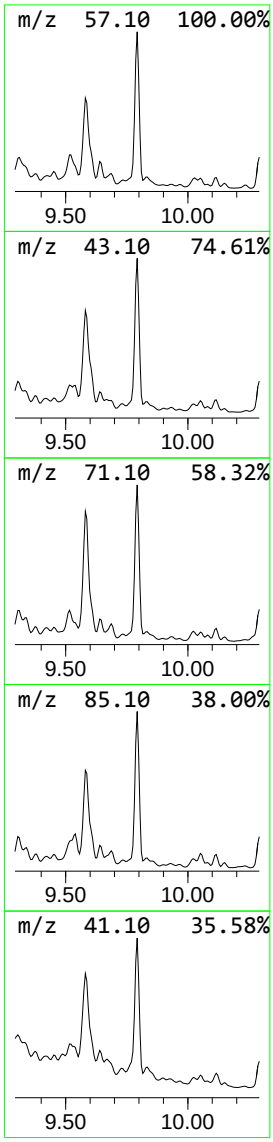
Peak Number 11 Hexadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.792	8.46 ng	979549	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	68
5	Undecane	156	C11H24	001120-21-4	64





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Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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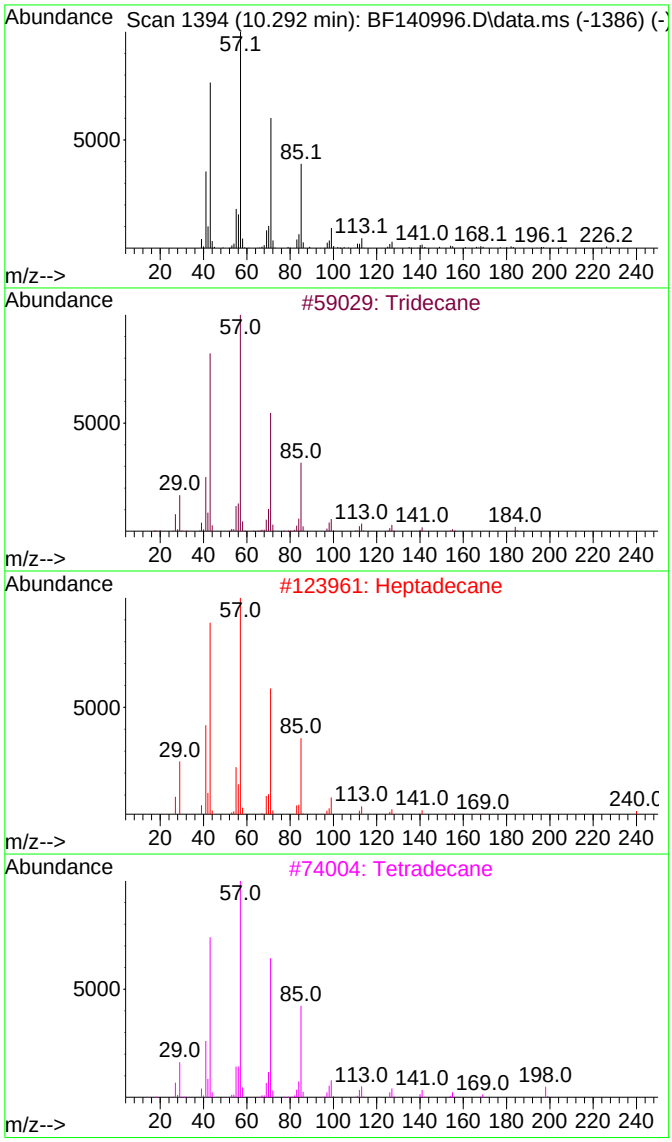
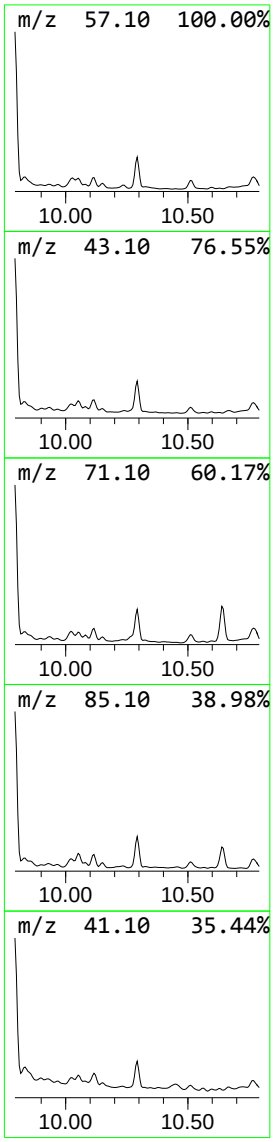
Peak Number 12 Heptadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.292	2.57 ng	297044	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Heptadecane	240	C17H36	000629-78-7	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1010309-12-5	86





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Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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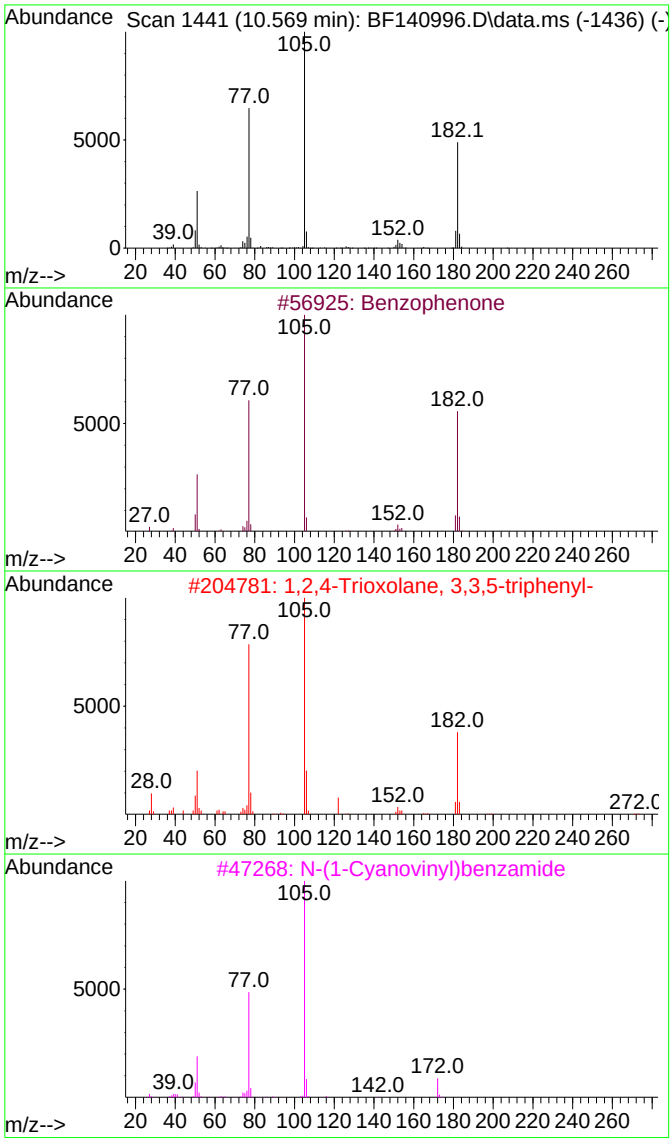
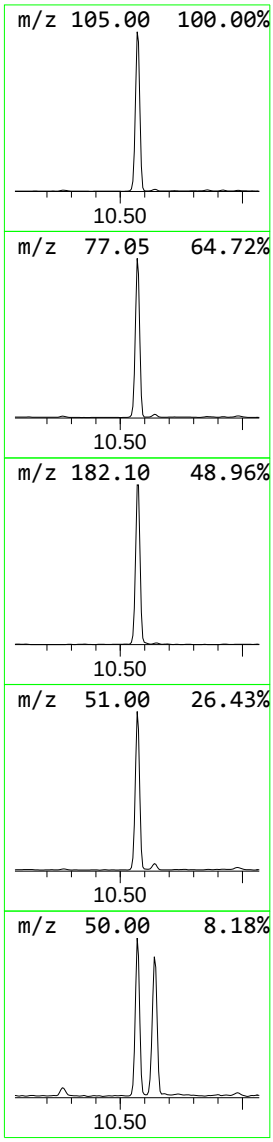
Peak Number 13 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	8.47 ng	980364	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	72
3	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
4	Vinyl benzoate	148	C9H8O2	000769-78-8	47
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47





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Operator : RC/JU
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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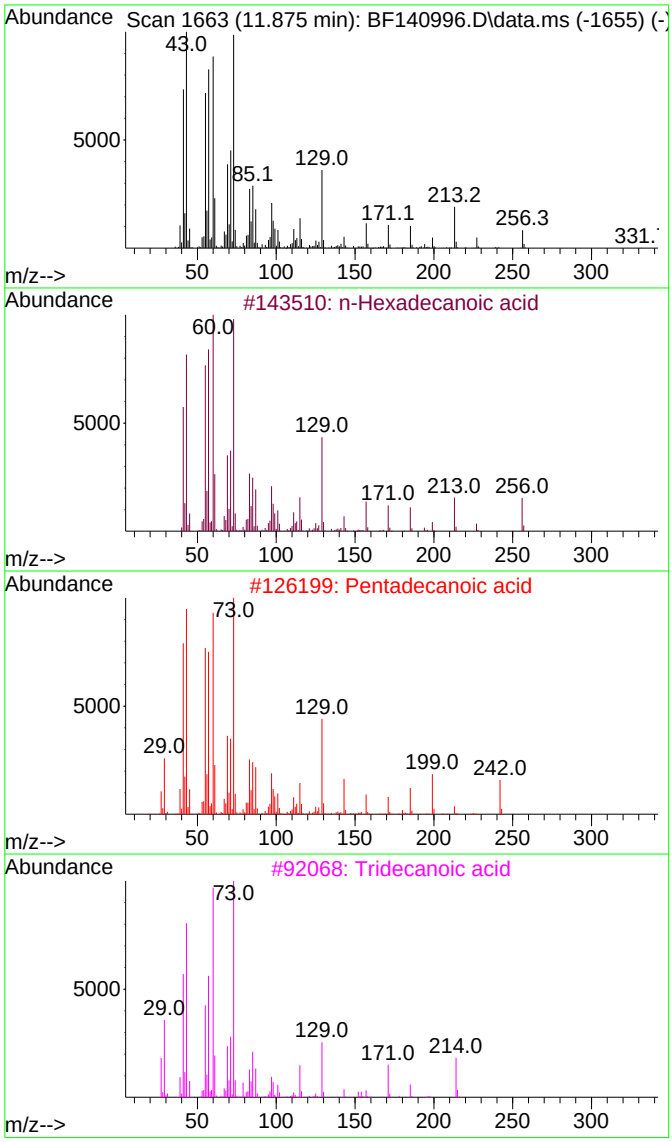
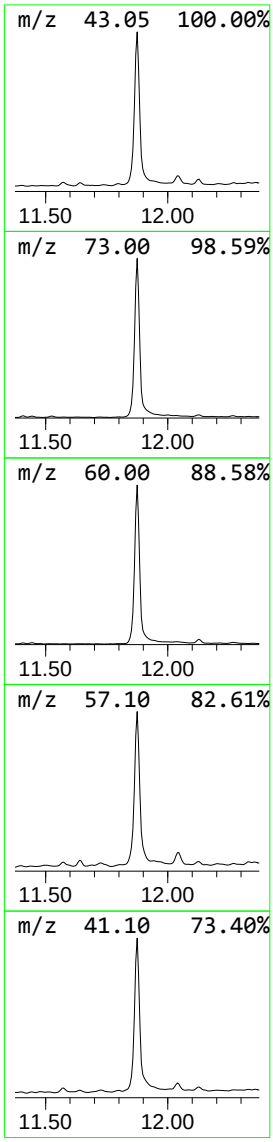
Peak Number 14 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.875	21.11 ng	2338400	Phenanthrene-d10	11.339

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	81
3	Tridecanoic acid	214	C13H26O2	000638-53-9	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	55





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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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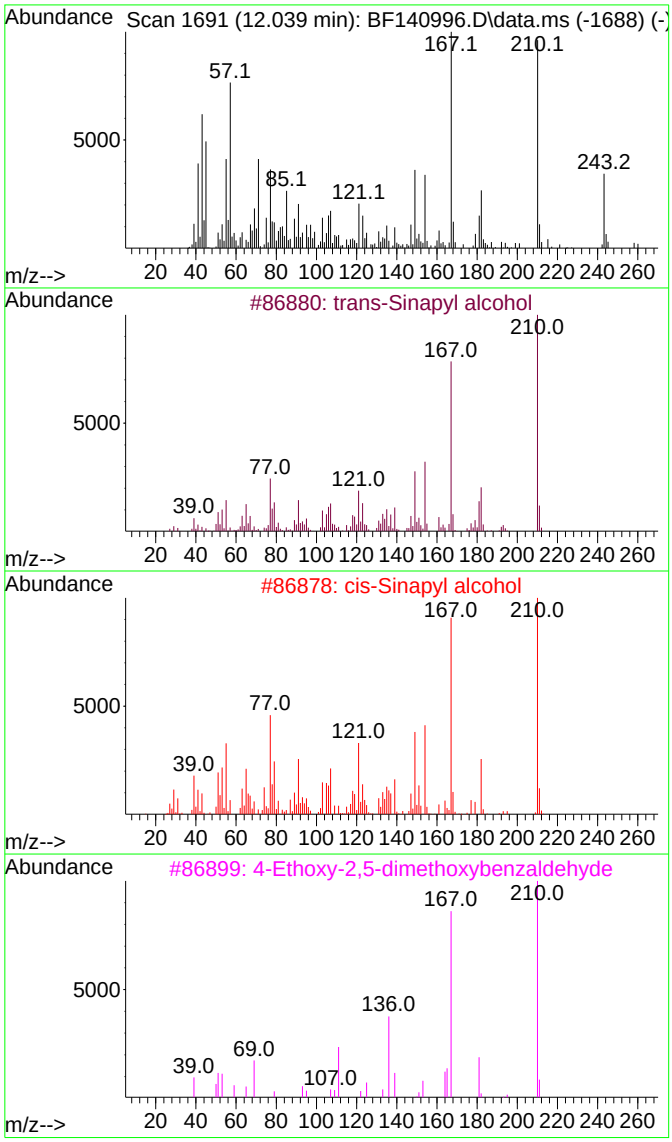
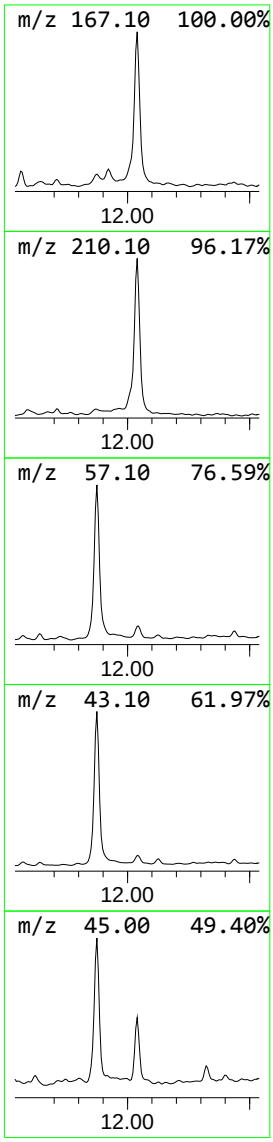
Peak Number 15 trans-Sinapyl alcohol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	2.67 ng	295585	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Sinapyl alcohol	210	C11H14O4	020675-96-1	96
2	cis-Sinapyl alcohol	210	C11H14O4	104330-63-4	78
3	4-Ethoxy-2,5-dimethoxybenzaldehyde	210	C11H14O4	1000121-30-2	60
4	4,6-Bis(ethylamino)-1,3,5-triazi...	210	C8H14N6O	293329-79-0	43
5	Syringylacetone	210	C11H14O4	019037-58-2	38





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Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

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

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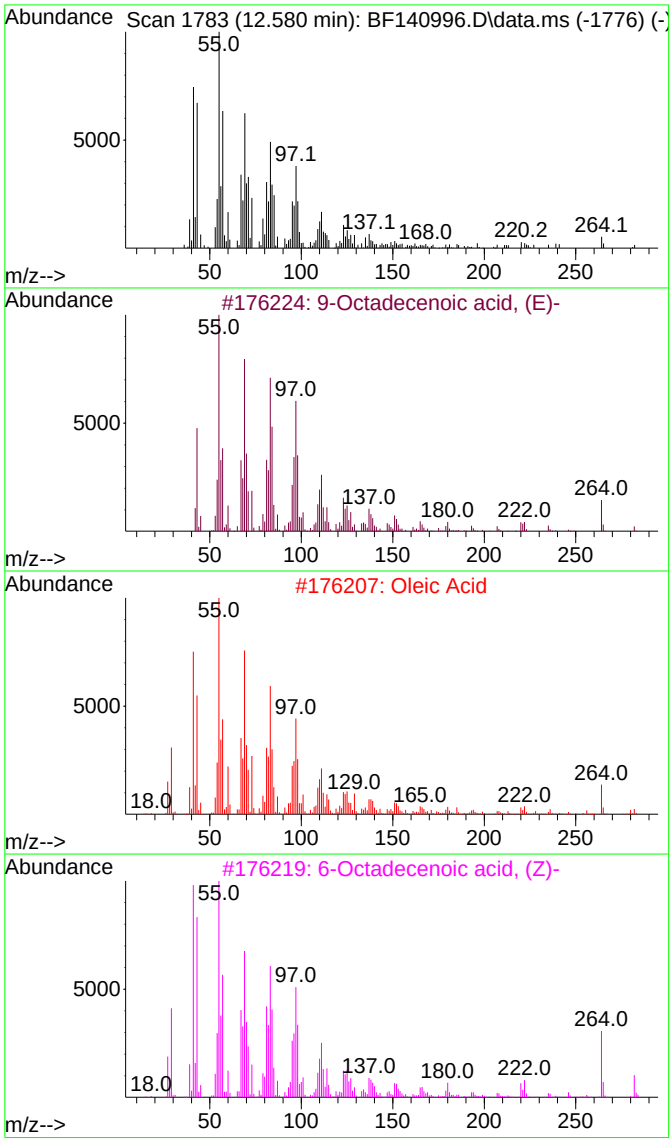
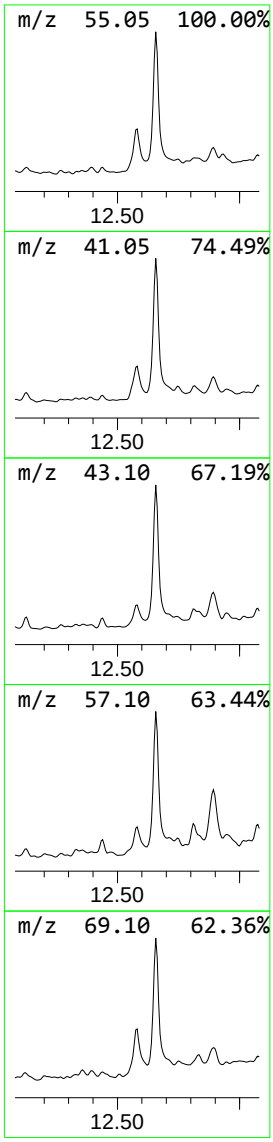
Peak Number 16 9-Octadecenoic acid, (E)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.580	2.57 ng	284173	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	99
2	Oleic Acid	282	C18H34O2	000112-80-1	99
3	6-Octadecenoic acid, (Z)-	282	C18H34O2	000593-39-5	98
4	6-Octadecenoic acid	282	C18H34O2	1000336-66-8	96
5	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	96





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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

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

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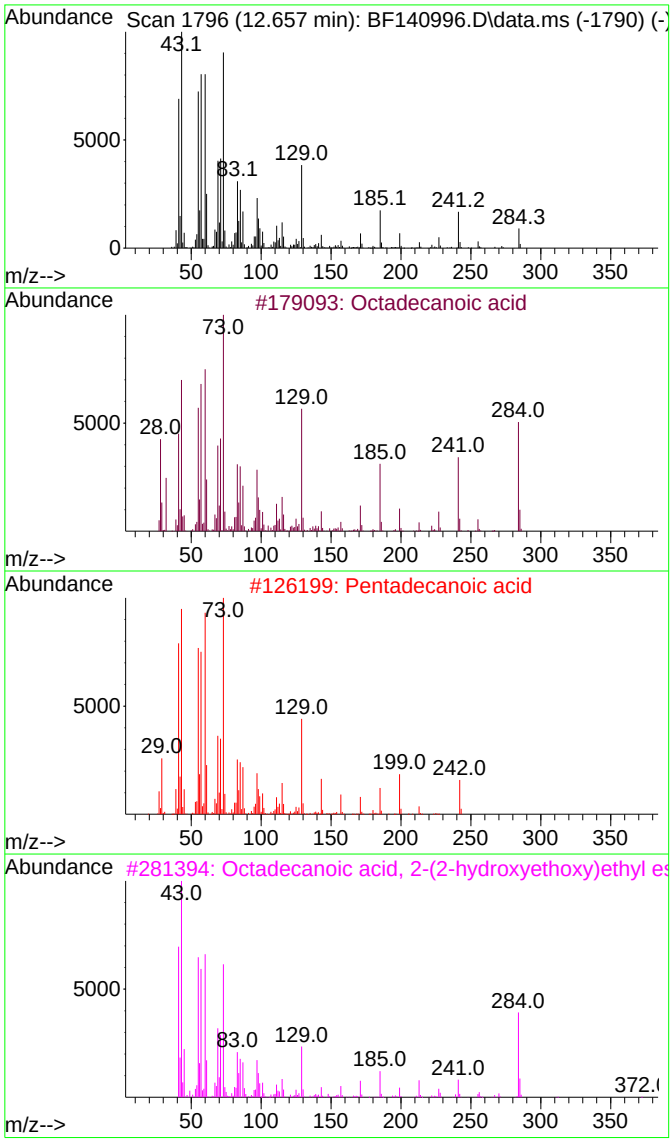
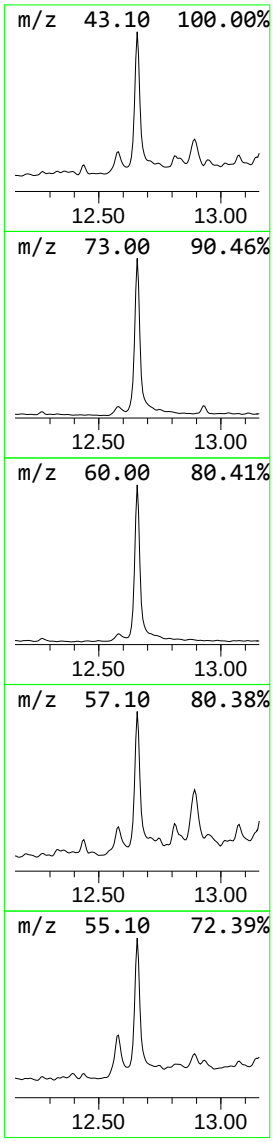
Peak Number 17 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.657	11.61 ng	935364	Chrysene-d12	13.974

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	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70





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

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

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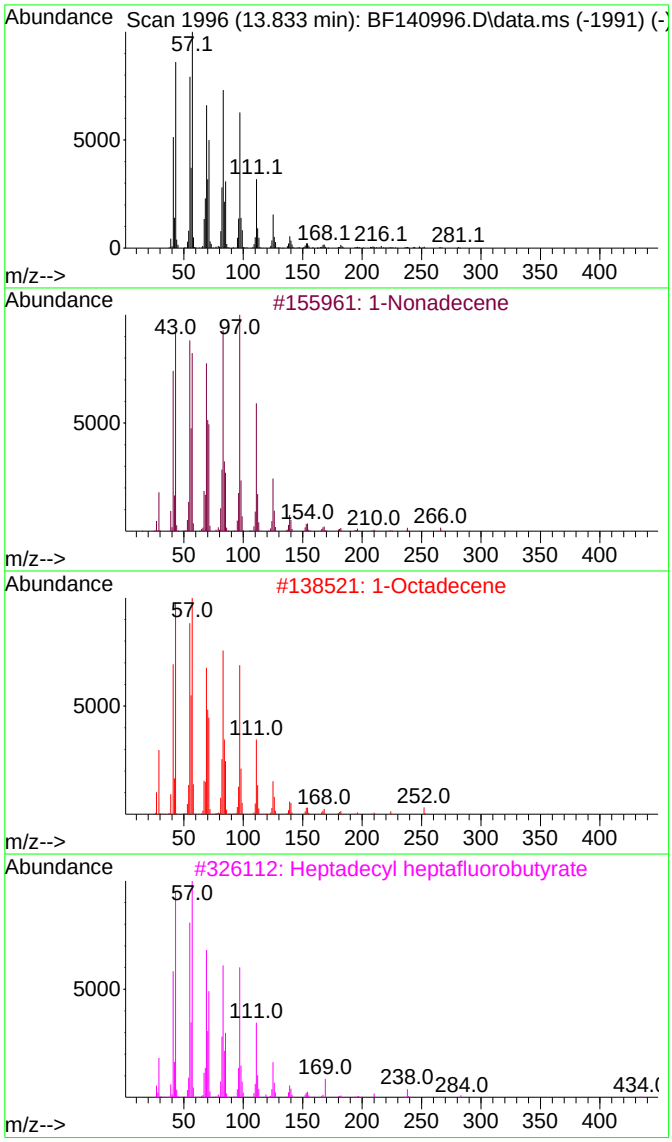
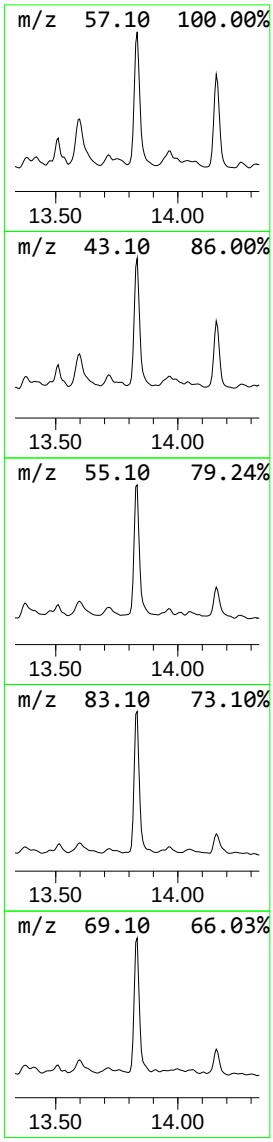
Peak Number 18 1-Nonadecene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.833	10.65 ng	858158	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	97
2	1-Octadecene	252	C18H36	000112-88-9	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
4	Octacosanol	410	C28H58O	000557-61-9	94
5	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94





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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

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

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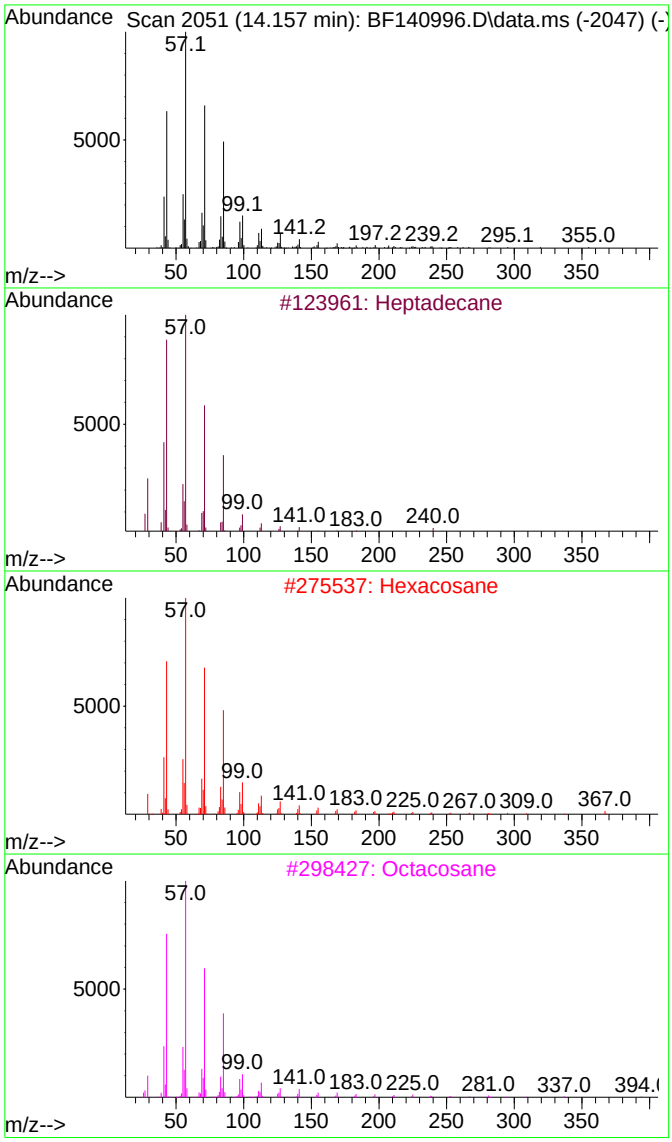
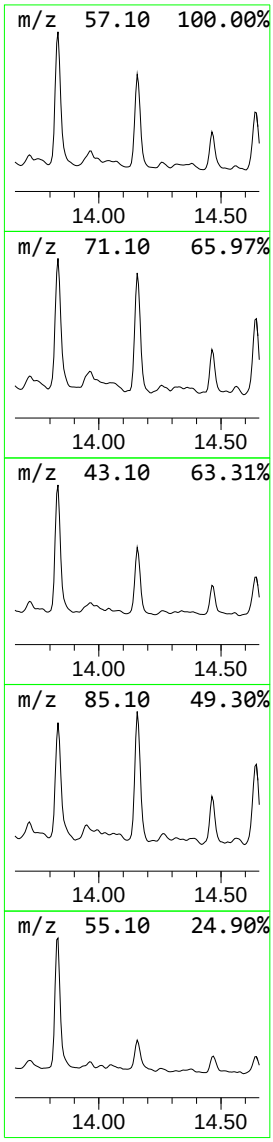
Peak Number 19 Hexacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.157	4.46 ng	359100	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Hexacosane	366	C26H54	000630-01-3	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Tetracosane	338	C24H50	000646-31-1	90





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Misc :
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Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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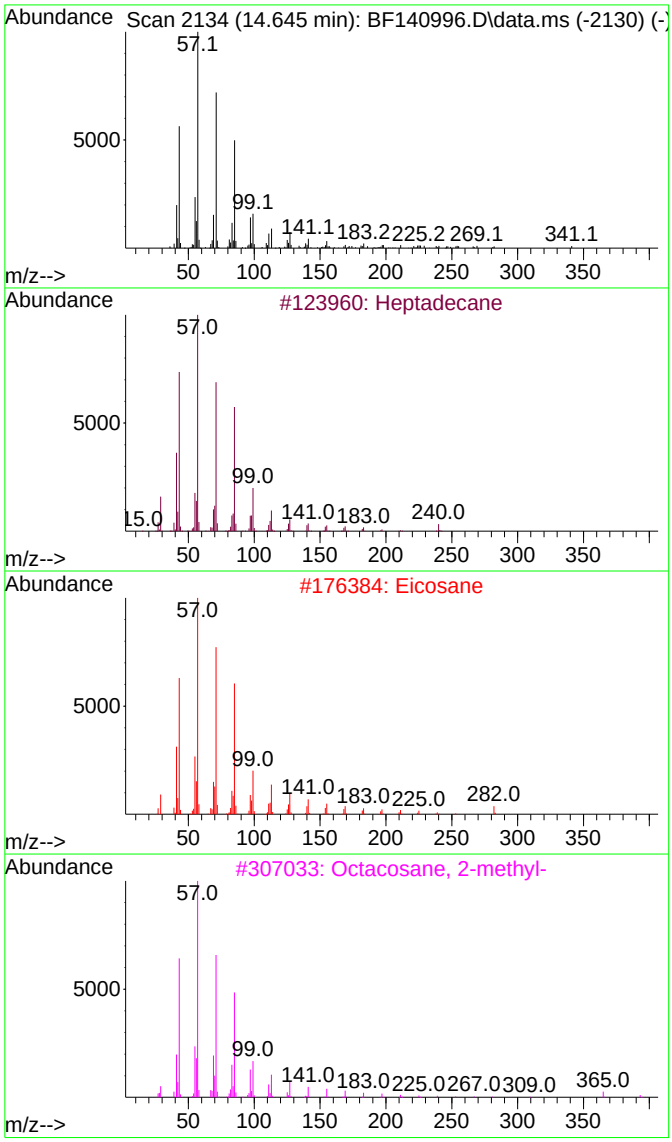
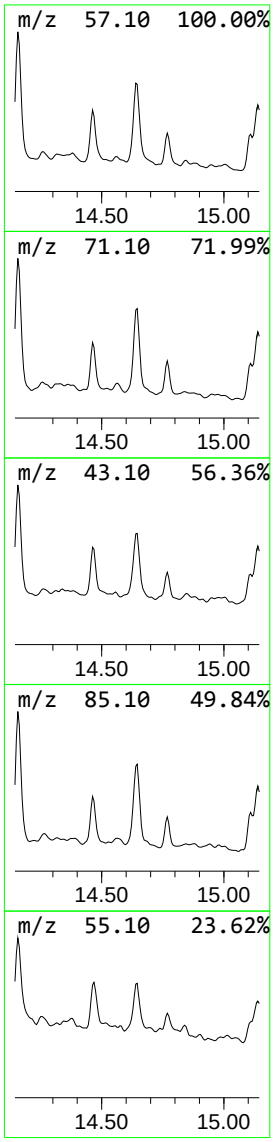
Peak Number 20 Eicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	2.75 ng	221649	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Eicosane	282	C20H42	000112-95-8	90
3	Octacosane, 2-methyl-	408	C29H60	001560-98-1	87
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87
5	Tetradecane	198	C14H30	000629-59-4	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Undecane, 2,6-d...	8.169	3.0	ng	459182	2	8.104	3007680	20.0
Cyclohexane, 1,...	8.398	4.1	ng	620511	2	8.104	3007680	20.0
Nonane, 2,6-dim...	8.528	6.2	ng	932489	2	8.104	3007680	20.0
Tridecane	8.698	10.4	ng	1570350	2	8.104	3007680	20.0
unknown8.987	8.987	3.2	ng	368508	3	9.857	2314360	20.0
Nonadecane, 2-m...	9.063	2.5	ng	286283	3	9.857	2314360	20.0
Dodecane, 2,6,1...	9.128	7.5	ng	866611	3	9.857	2314360	20.0
Tetradecane	9.263	22.1	ng	2553960	3	9.857	2314360	20.0
Tritetracontane	9.581	8.9	ng	1030770	3	9.857	2314360	20.0
Hexadecane	9.792	8.5	ng	979549	3	9.857	2314360	20.0
Heptadecane	10.292	2.6	ng	297044	3	9.857	2314360	20.0
Benzophenone	10.569	8.5	ng	980364	3	9.857	2314360	20.0
n-Hexadecanoic ...	11.875	21.1	ng	2338400	4	11.339	2215410	20.0
trans-Sinapyl a...	12.039	2.7	ng	295585	4	11.339	2215410	20.0
9-Octadecenoic ...	12.580	2.6	ng	284173	4	11.339	2215410	20.0
Octadecanoic acid	12.657	11.6	ng	935364	5	13.974	1610890	20.0
1-Nonadecene	13.833	10.7	ng	858158	5	13.974	1610890	20.0
Hexacosane	14.157	4.5	ng	359100	5	13.974	1610890	20.0
Eicosane	14.645	2.8	ng	221649	5	13.974	1610890	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
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Acq On : 20 Dec 2024 11:41
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Sample : PB165705BL
Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

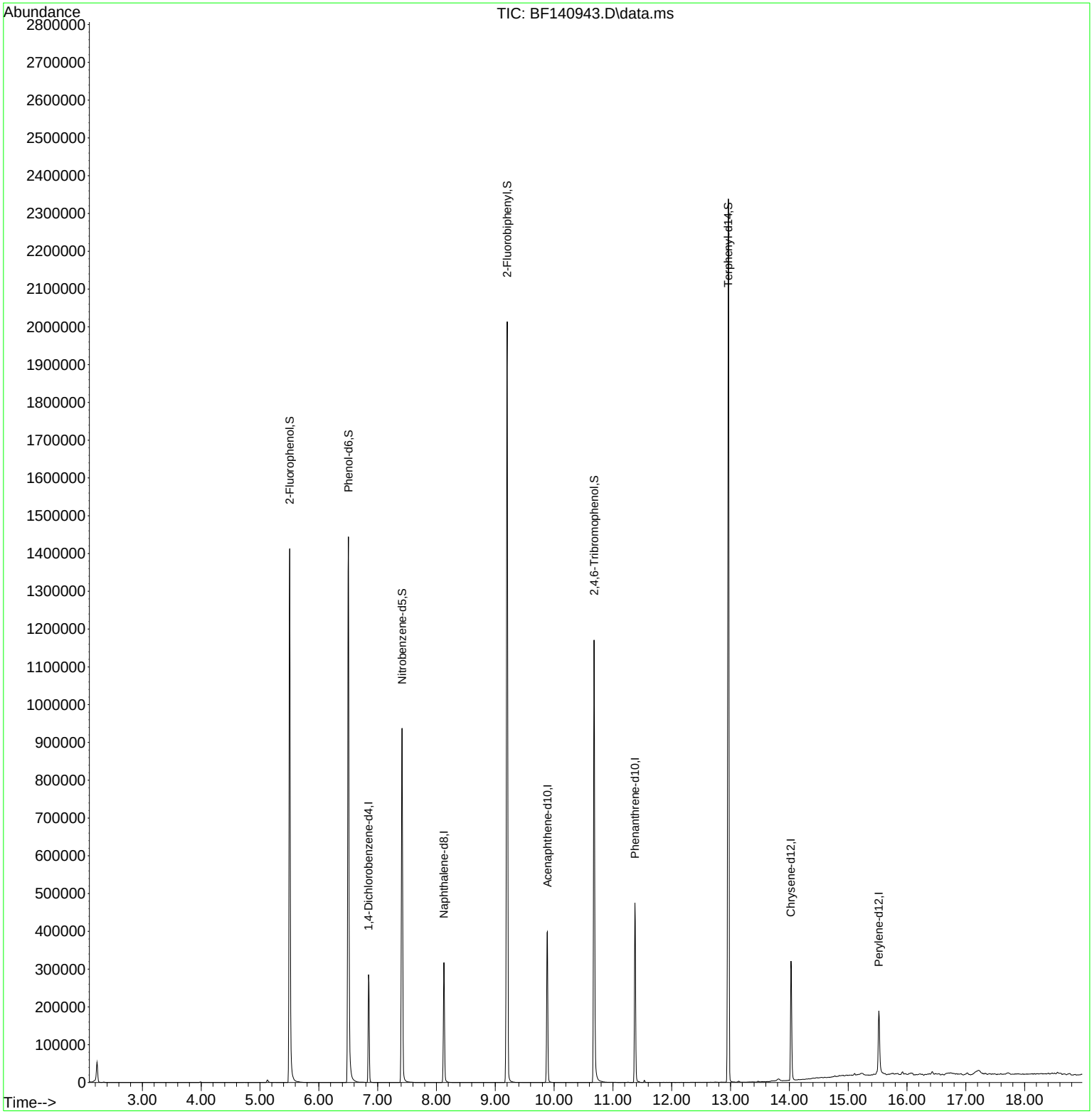
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	64872	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	228592	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	136709	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	270487	20.000	ng	0.00
76) Chrysene-d12	14.027	240	174504	20.000	ng	0.00
86) Perylene-d12	15.521	264	118300	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	590265	149.785	ng	0.02
7) Phenol-d6	6.504	99	799531	153.180	ng	0.00
23) Nitrobenzene-d5	7.416	82	487007	106.589	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	235540	145.676	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1024156	102.997	ng	0.00
79) Terphenyl-d14	12.963	244	1215200	109.809	ng	0.00
Target Compounds						Qvalue

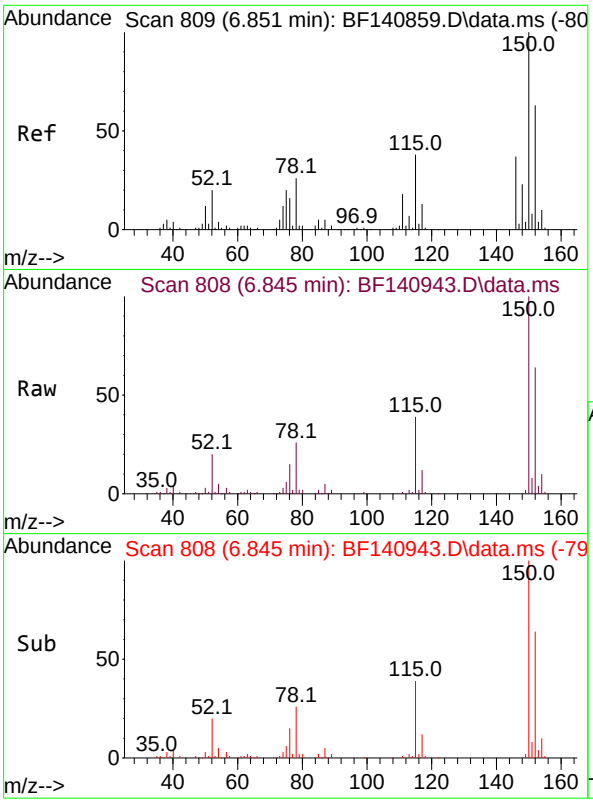
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Quant Time: Dec 20 12:01:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



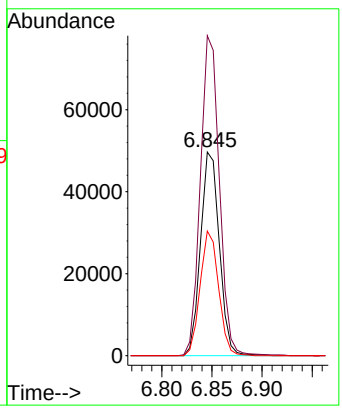


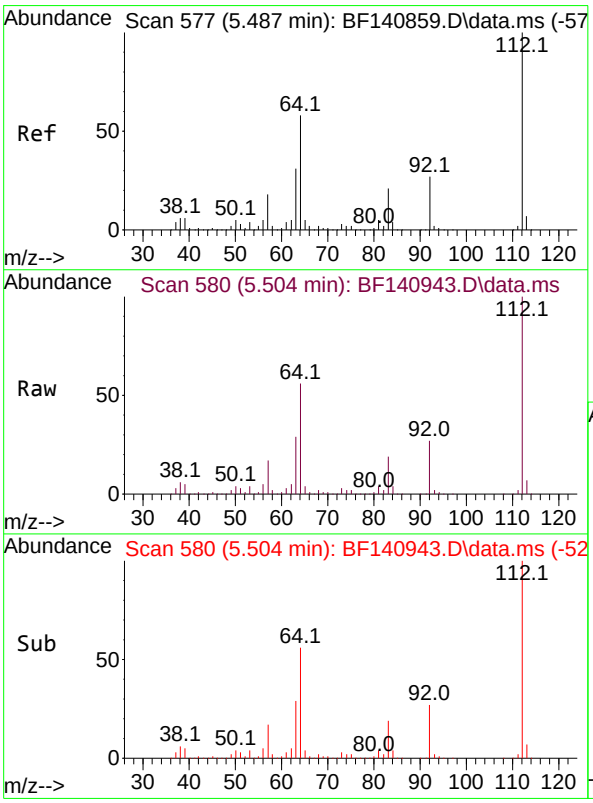
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Tgt Ion:152 Resp: 64872

Ion	Ratio	Lower	Upper
152	100		
150	157.1	127.9	191.9
115	61.2	48.0	72.0

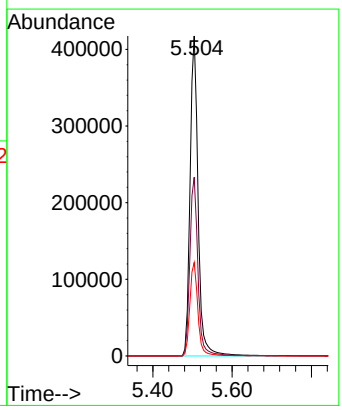


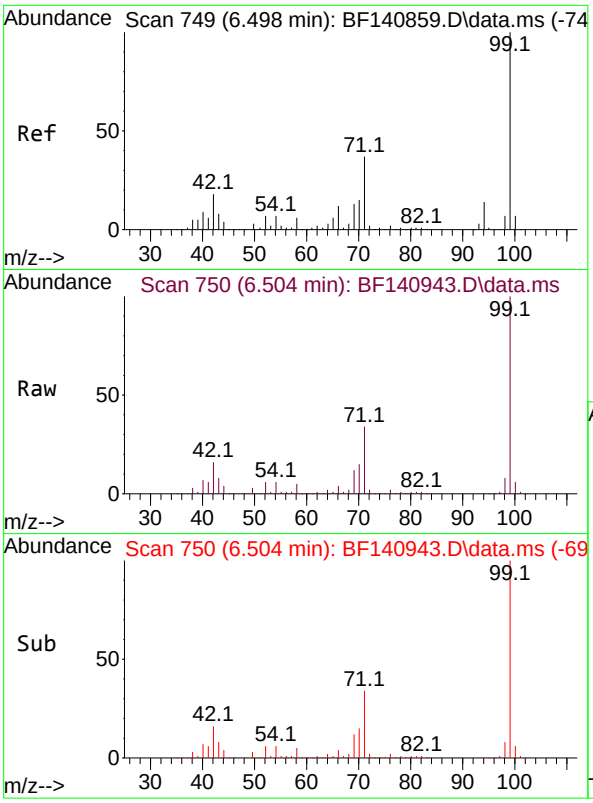


#5
2-Fluorophenol
Concen: 149.785 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:112 Resp: 590265

Ion	Ratio	Lower	Upper
112	100		
64	55.9	46.1	69.1
63	29.2	24.9	37.3



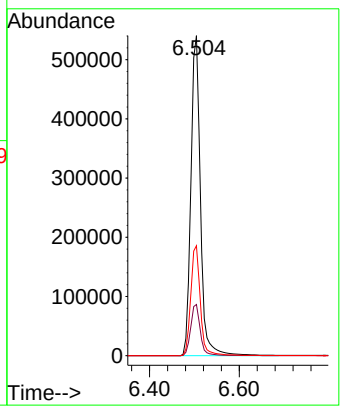


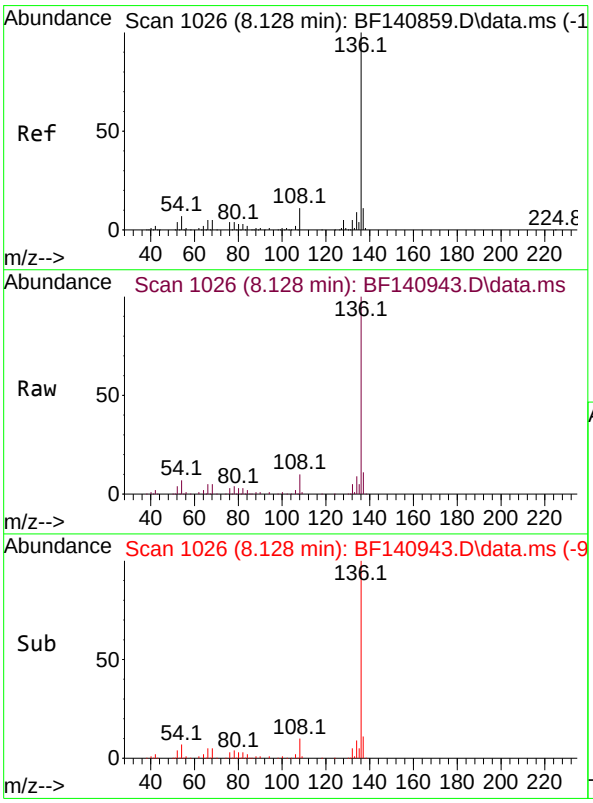
#7
Phenol-d6
Concen: 153.180 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Tgt Ion: 99 Resp: 799531

Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.3	21.5
71	34.4	29.9	44.9

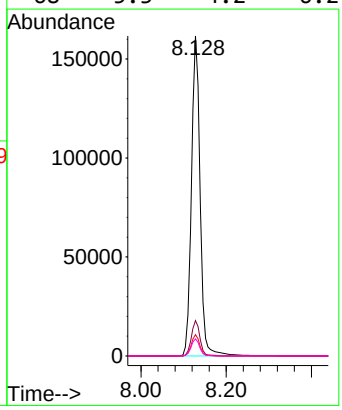


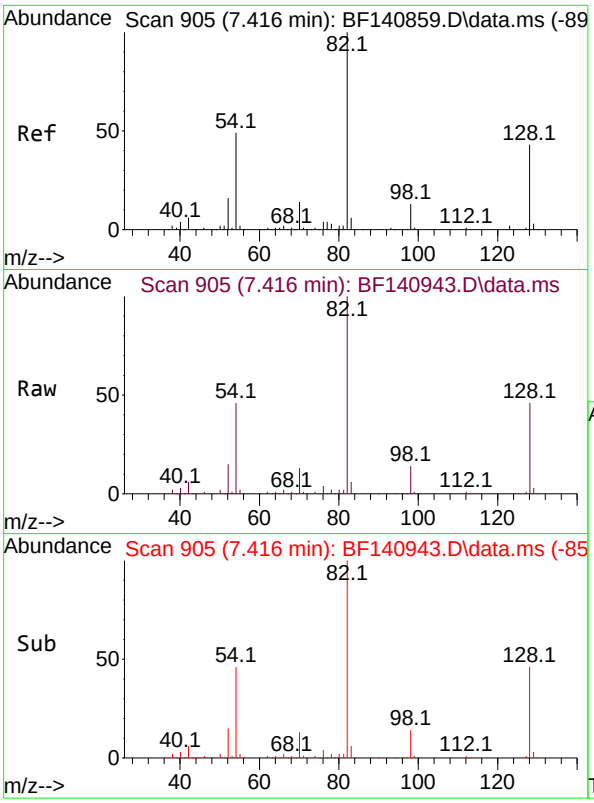


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:136 Resp: 228592

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.6	5.6	8.4
68	5.3	4.2	6.2



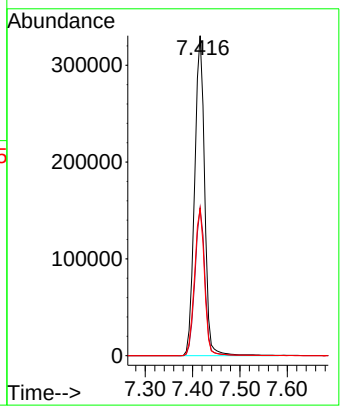


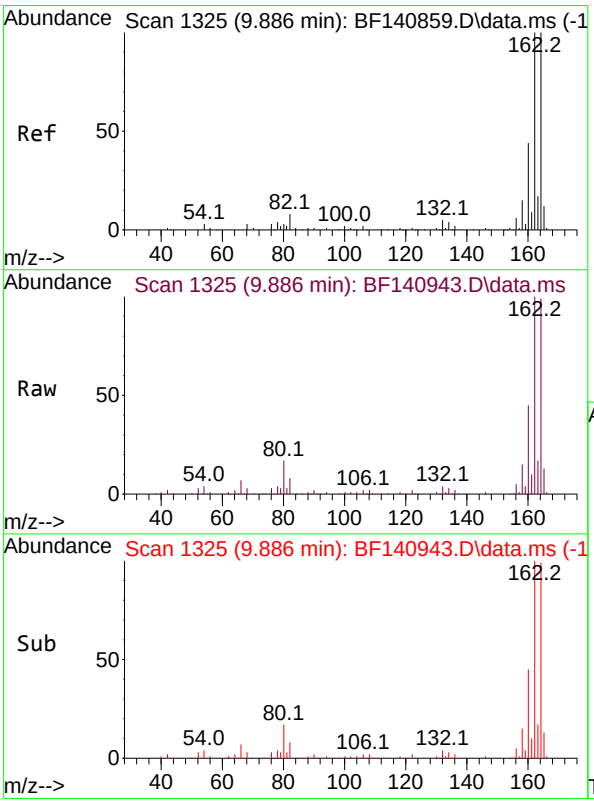
#23
Nitrobenzene-d5
Concen: 106.589 ng
RT: 7.416 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Tgt Ion: 82 Resp: 487007

Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.4	51.6
54	45.9	38.8	58.2

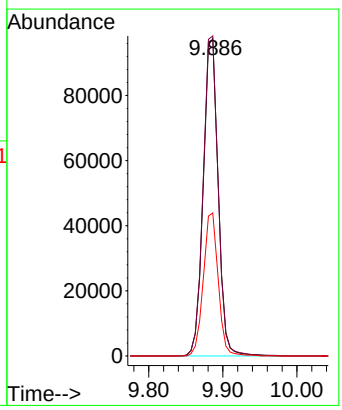


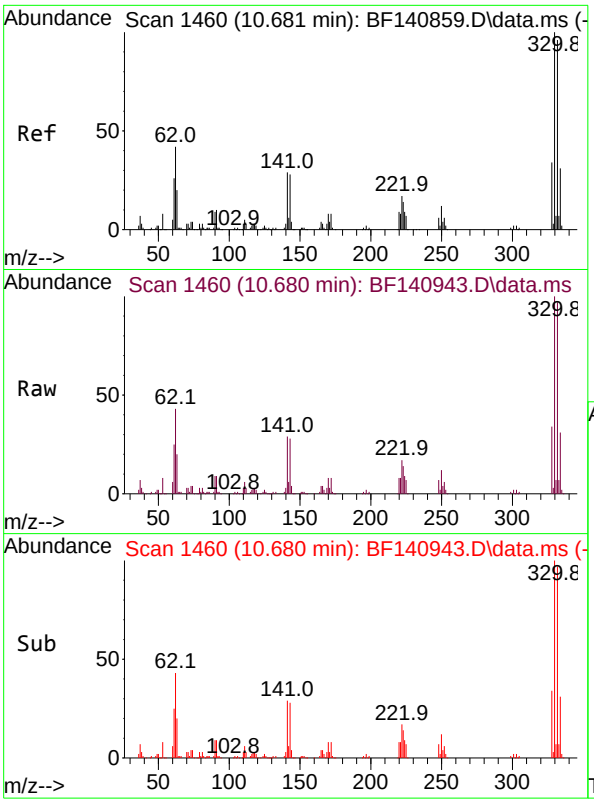


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:164 Resp: 136709

Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.9	119.9
160	45.1	35.2	52.8



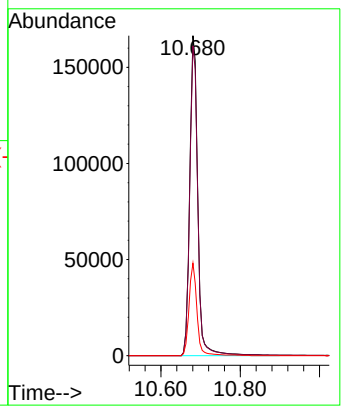


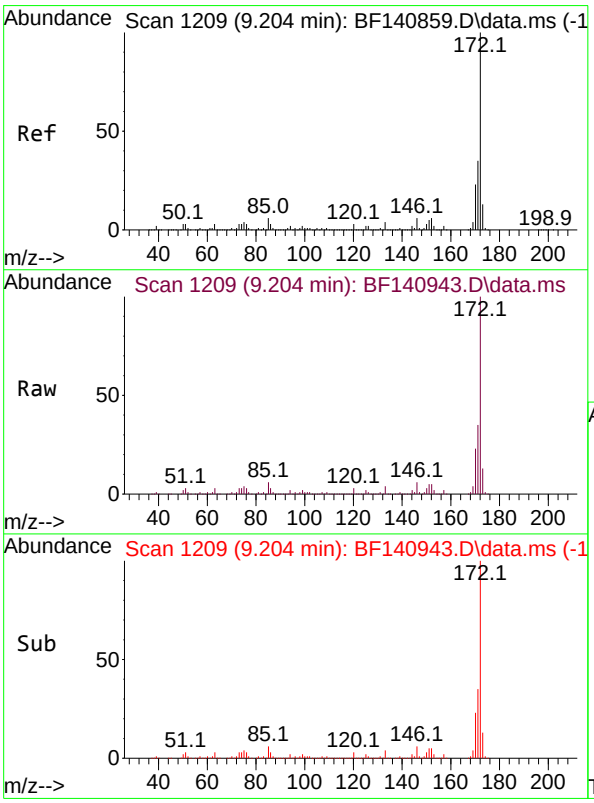
#42
2,4,6-Tribromophenol
Concen: 145.676 ng
RT: 10.680 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Tgt Ion:330 Resp: 235540

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.2	114.4
141	28.3	24.9	37.3

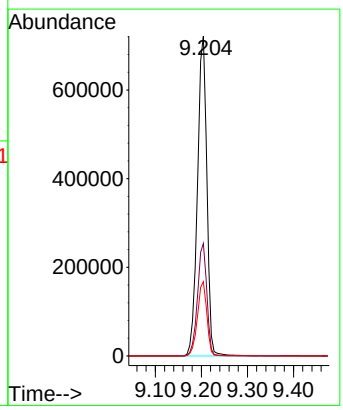


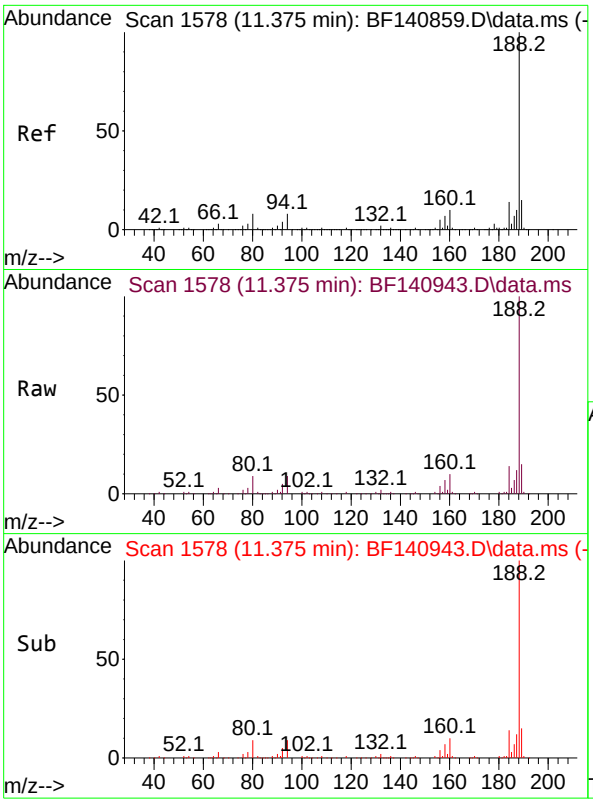


#45
2-Fluorobiphenyl
Concen: 102.997 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:172 Resp: 1024156

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.4	42.6
170	23.2	18.6	28.0



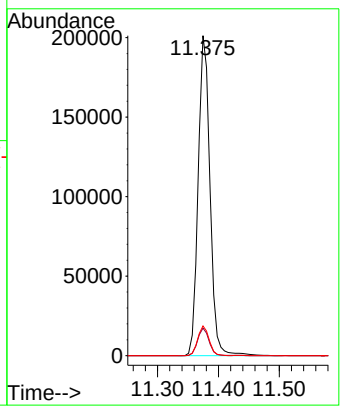


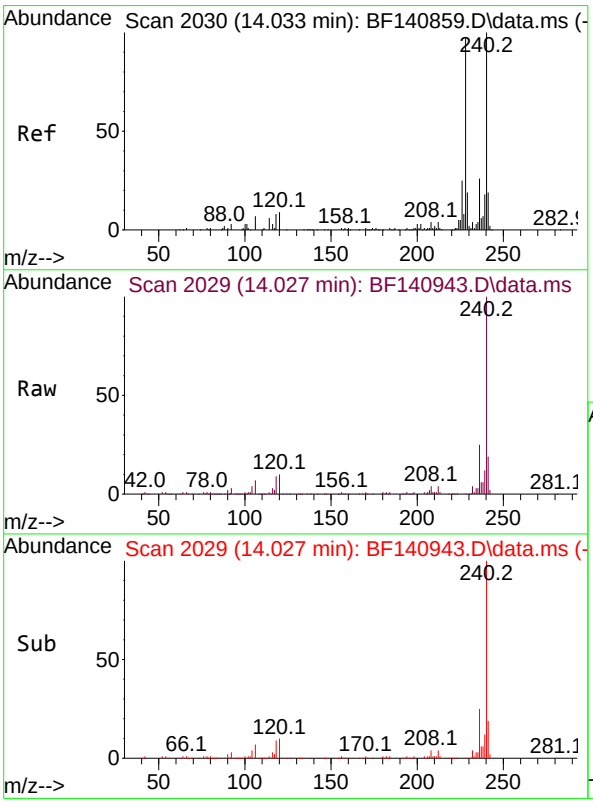
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Tgt Ion:188 Resp: 270487

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.4	9.6
80	9.3	6.8	10.2

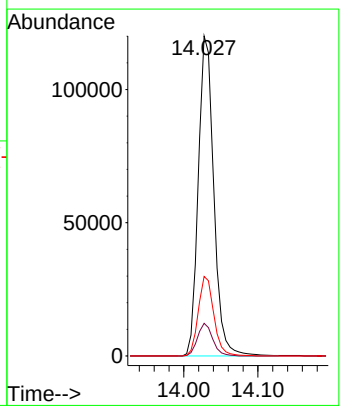


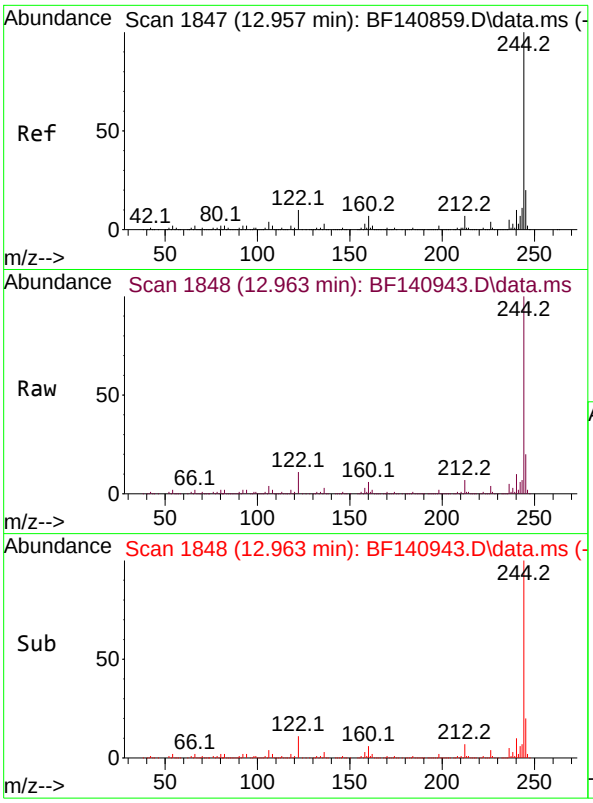


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:240 Resp: 174504

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.6	11.4
236	24.9	20.5	30.7



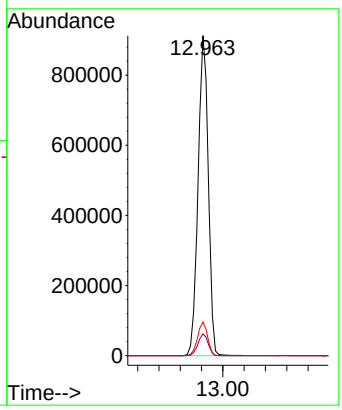


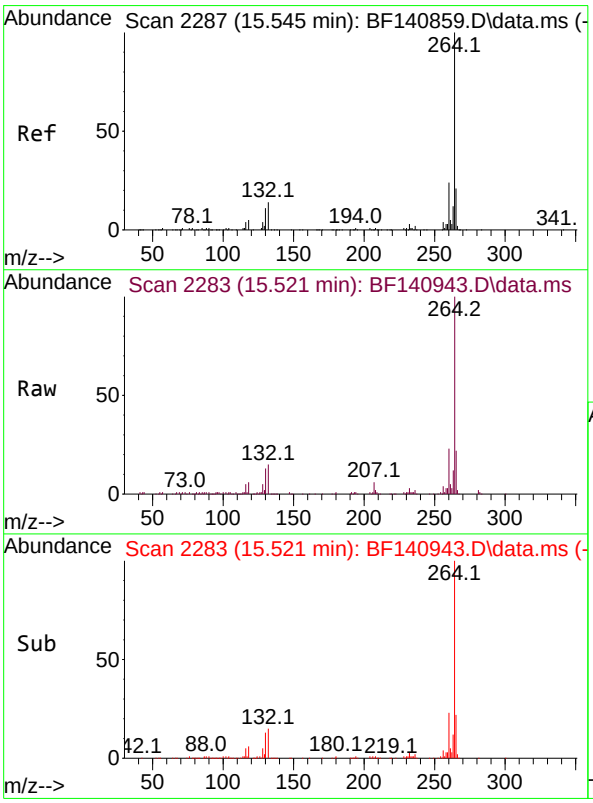
#79
Terphenyl-d14
Concen: 109.809 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Tgt Ion:244 Resp: 1215200

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.5	8.2	12.2

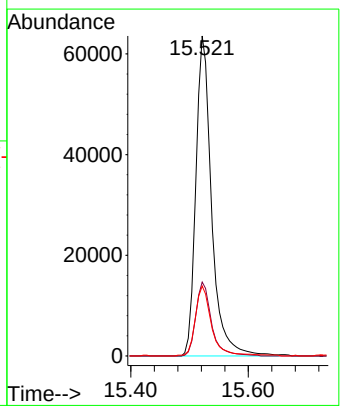




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.024 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:264 Resp: 118300

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	21.9	17.0	25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140943.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.228	9	23	30	rVB	52689	96701	3.14%	0.609%
2	5.504	574	580	604	rBV	1412740	1988158	64.61%	12.512%
3	6.504	744	750	781	rBV	1444394	2147294	69.78%	13.514%
4	6.845	803	808	819	rVB	285048	365709	11.88%	2.302%
5	7.416	898	905	936	rBV	937621	1376428	44.73%	8.662%
6	8.128	1020	1026	1050	rBV	317456	439659	14.29%	2.767%
7	9.204	1201	1209	1228	rBV	2013642	2852691	92.70%	17.953%
8	9.886	1318	1325	1341	rVB	399154	557097	18.10%	3.506%
9	10.680	1454	1460	1498	rBV	1171097	1621374	52.69%	10.204%
10	11.375	1573	1578	1587	rBV	475329	627315	20.39%	3.948%
11	12.963	1842	1848	1853	rBV	2337711	3077256	100.00%	19.366%
12	14.027	2024	2029	2043	rBV	316220	455127	14.79%	2.864%
13	15.521	2278	2283	2294	rVB	164402	284968	9.26%	1.793%

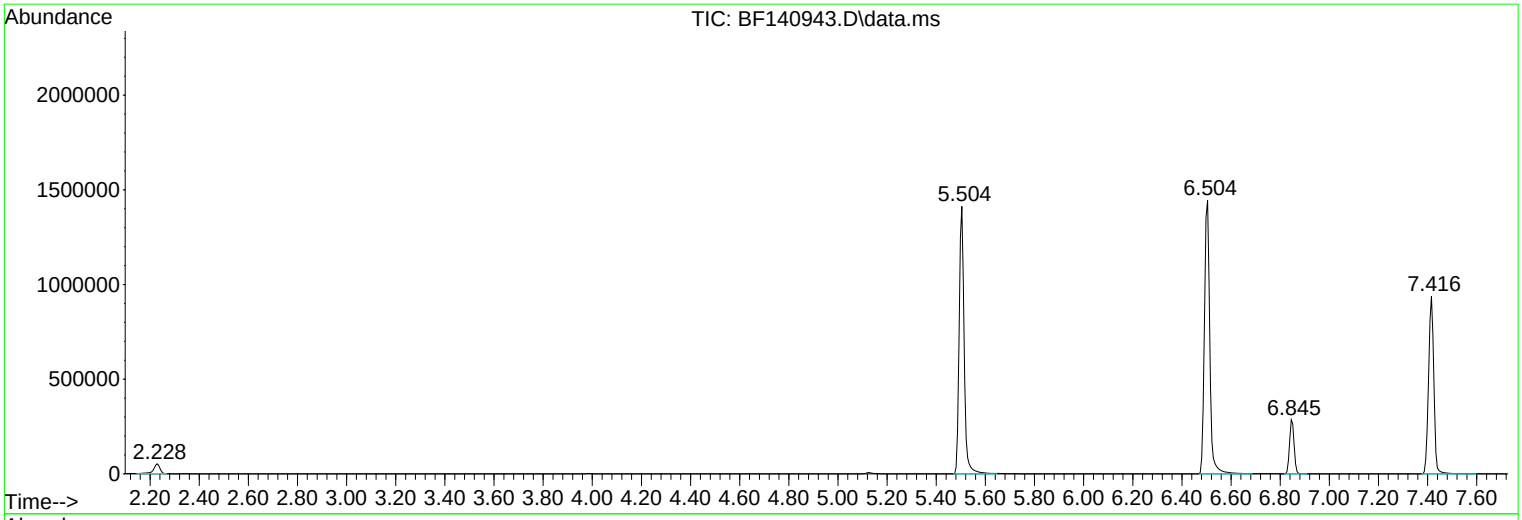
Sum of corrected areas: 15889777

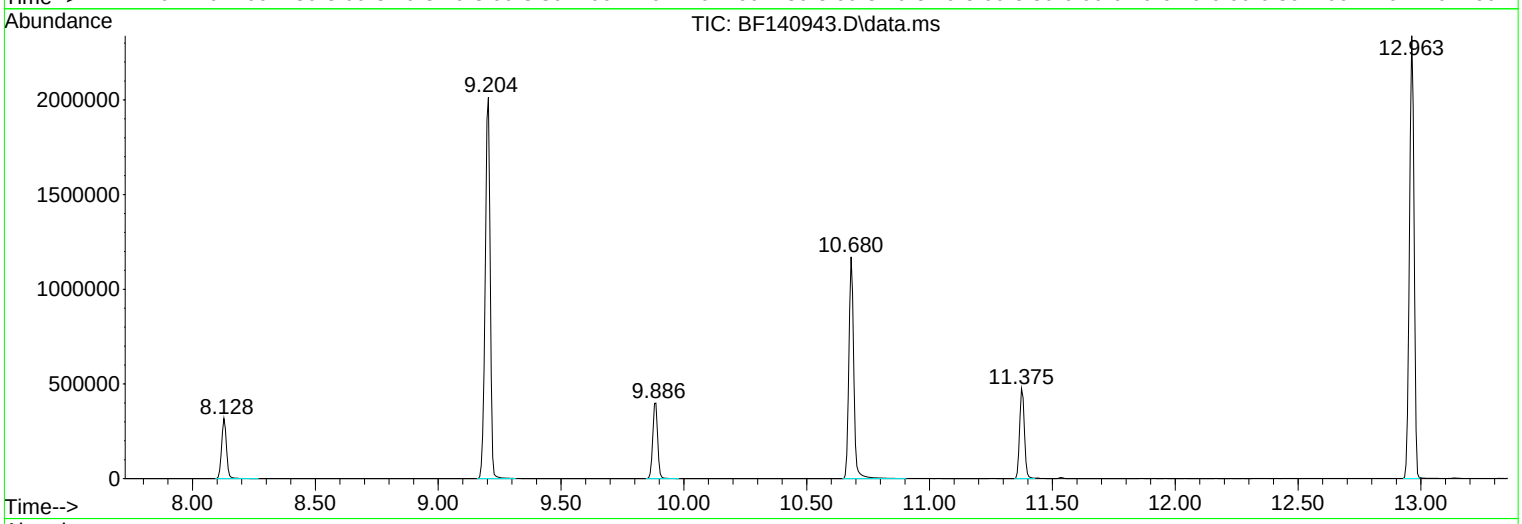
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

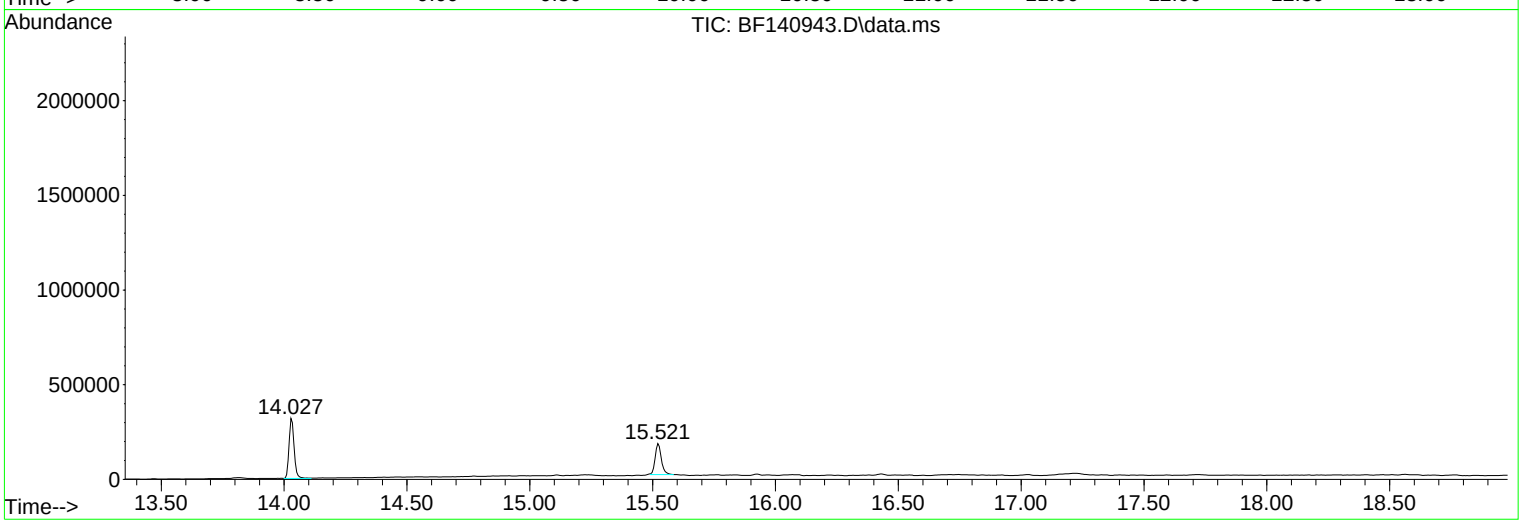
Instrument :
BNA_F
ClientSampleId :
PB165705BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

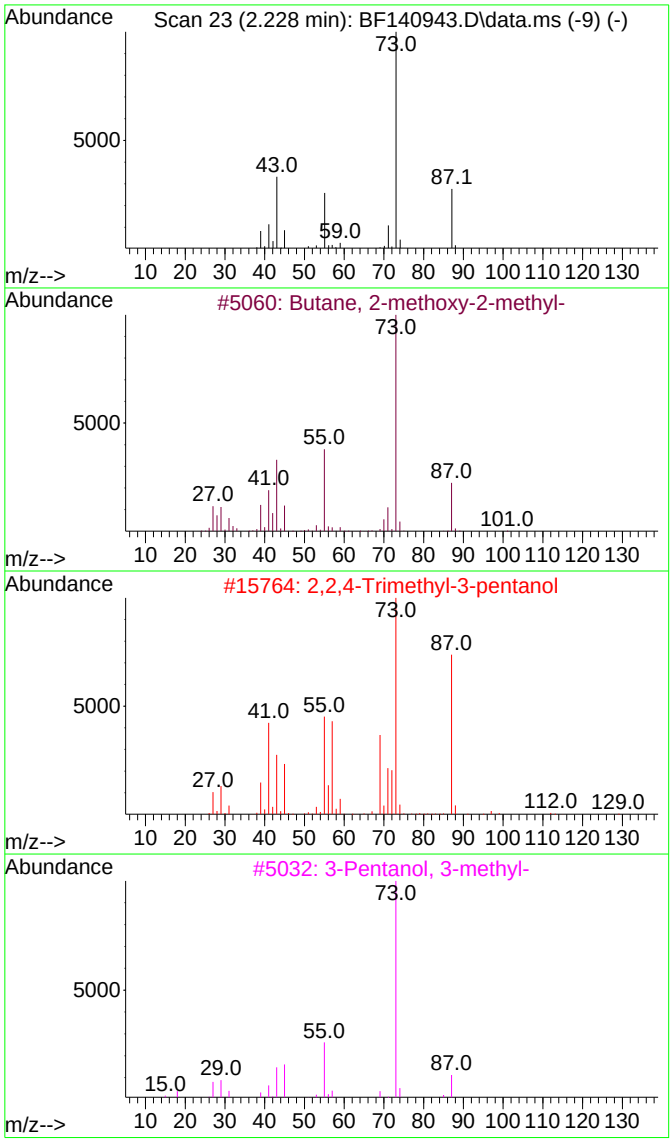
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

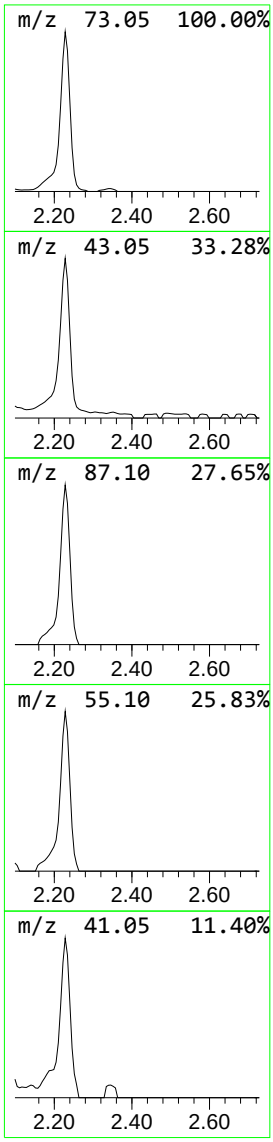
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.228	5.29 ng	96701	1,4-Dichlorobenzene-d4	6.845

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	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.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...	2.228	5.3	ng	96701	1	6.845	365709	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140944.D
Acq On : 20 Dec 2024 12:07
Operator : RC/JU
Sample : PB165705BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 12:32:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165705BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.851	152	71247	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	255665	20.000	ng		0.00
39) Acenaphthene-d10	9.886	164	141292	20.000	ng		0.00
64) Phenanthrene-d10	11.380	188	237962	20.000	ng		0.00
76) Chrysene-d12	14.033	240	149220	20.000	ng		0.00
86) Perylene-d12	15.521	264	113763	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	620574	143.386	ng		0.02
7) Phenol-d6	6.510	99	780279	136.115	ng		0.01
23) Nitrobenzene-d5	7.416	82	468127	91.608	ng		0.00
42) 2,4,6-Tribromophenol	10.686	330	225262	134.800	ng		0.00
45) 2-Fluorobiphenyl	9.204	172	1081886	105.274	ng		0.00
79) Terphenyl-d14	12.963	244	1140526	120.524	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.746	88	61392	32.932	ng		99
3) Pyridine	3.522	79	164168	38.026	ng		97
4) n-Nitrosodimethylamine	3.475	42	85503	39.286	ng	#	93
6) Aniline	6.522	93	200558	40.919	ng	#	82
8) 2-Chlorophenol	6.645	128	251463	53.280	ng		98
9) Benzaldehyde	6.410	77	51666	16.266	ng		98
10) Phenol	6.522	94	290791	48.944	ng		96
11) bis(2-Chloroethyl)ether	6.586	93	227090	51.253	ng		98
12) 1,3-Dichlorobenzene	6.786	146	267093	49.664	ng		97
13) 1,4-Dichlorobenzene	6.869	146	268358	49.158	ng		99
14) 1,2-Dichlorobenzene	7.016	146	244910	47.549	ng		99
15) Benzyl Alcohol	7.004	79	202352	49.369	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.116	45	244867	46.913	ng		94
17) 2-Methylphenol	7.122	107	180851	47.995	ng		99
18) Hexachloroethane	7.351	117	87121	42.869	ng		99
19) n-Nitroso-di-n-propyla...	7.263	70	172630	50.203	ng		98
20) 3+4-Methylphenols	7.275	107	254983	51.031	ng	#	84
22) Acetophenone	7.263	105	347847	54.389	ng		94
24) Nitrobenzene	7.439	77	235580	45.000	ng		95
25) Isophorone	7.675	82	424100	49.531	ng		99
26) 2-Nitrophenol	7.751	139	128251	53.191	ng		94
27) 2,4-Dimethylphenol	7.792	122	176373	62.636	ng		99
28) bis(2-Chloroethoxy)met...	7.875	93	265660	49.677	ng		99
29) 2,4-Dichlorophenol	8.004	162	207115	53.277	ng		98
30) 1,2,4-Trichlorobenzene	8.075	180	218640	49.061	ng		98
31) Naphthalene	8.151	128	685399	48.804	ng		99
32) Benzoic acid	7.951	122	85175	31.894	ng		95
33) 4-Chloroaniline	8.210	127	161324	34.586	ng		97
34) Hexachlorobutadiene	8.263	225	140865	46.981	ng		100
35) Caprolactam	8.592	113	57419m	49.612	ng		
36) 4-Chloro-3-methylphenol	8.710	107	201762	46.112	ng		97
37) 2-Methylnaphthalene	8.845	142	464695	50.021	ng		99
38) 1-Methylnaphthalene	8.945	142	438727	47.751	ng		100
40) 1,2,4,5-Tetrachloroben...	9.010	216	234321	53.956	ng		99
41) Hexachlorocyclopentadiene	8.992	237	96370	68.569	ng		99
43) 2,4,6-Trichlorophenol	9.133	196	133695	50.276	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140944.D
Acq On : 20 Dec 2024 12:07
Operator : RC/JU
Sample : PB165705BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 12:32:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165705BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	143227	49.003	ng	98
46) 1,1'-Biphenyl	9.310	154	552413	49.168	ng	100
47) 2-Chloronaphthalene	9.333	162	417659	48.592	ng	100
48) 2-Nitroaniline	9.439	65	121577	46.835	ng	93
49) Acenaphthylene	9.751	152	681698	53.969	ng	99
50) Dimethylphthalate	9.610	163	496054	49.797	ng	100
51) 2,6-Dinitrotoluene	9.680	165	108898	47.820	ng	97
52) Acenaphthene	9.922	154	430468	53.351	ng	99
53) 3-Nitroaniline	9.857	138	77254	34.184	ng	95
54) 2,4-Dinitrophenol	9.980	184	81264	73.697	ng	90
55) Dibenzofuran	10.092	168	623949	49.905	ng	99
56) 4-Nitrophenol	10.051	139	87740	72.611	ng	94
57) 2,4-Dinitrotoluene	10.092	165	144968	48.383	ng	99
58) Fluorene	10.439	166	477180	46.262	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.227	232	127554	53.557	ng	95
60) Diethylphthalate	10.310	149	534197	51.715	ng	99
61) 4-Chlorophenyl-phenyle...	10.427	204	243755	47.046	ng	95
62) 4-Nitroaniline	10.480	138	101945m	43.167	ng	
63) Azobenzene	10.586	77	431430	44.427	ng	96
65) 4,6-Dinitro-2-methylph...	10.510	198	66725	49.484	ng	96
66) n-Nitrosodiphenylamine	10.551	169	414949	56.716	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	146442	55.009	ng	97
68) Hexachlorobenzene	10.992	284	165233	54.744	ng	98
69) Atrazine	11.080	200	134695	65.919	ng	98
70) Pentachlorophenol	11.198	266	94695	85.812	ng	99
71) Phenanthrene	11.404	178	701422	57.320	ng	99
72) Anthracene	11.457	178	725617	60.212	ng	100
73) Carbazole	11.616	167	673948	57.096	ng	100
74) Di-n-butylphthalate	11.927	149	763567	55.119	ng	100
75) Fluoranthene	12.598	202	786570	55.813	ng	99
77) Benzidine	12.721	184	155983	51.217	ng	100
78) Pyrene	12.827	202	758712	57.177	ng	100
80) Butylbenzylphthalate	13.433	149	297455	60.922	ng	96
81) Benzo(a)anthracene	14.021	228	557901	52.753	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	102996	32.279	ng	98
83) Chrysene	14.057	228	508492	52.875	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	339592	53.941	ng	100
85) Di-n-octyl phthalate	14.604	149	455909	47.866	ng	98
87) Indeno(1,2,3-cd)pyrene	17.039	276	463336	65.266	ng	100
88) Benzo(b)fluoranthene	15.086	252	417172	52.828	ng	100
89) Benzo(k)fluoranthene	15.109	252	360481	53.216	ng	99
90) Benzo(a)pyrene	15.456	252	359761	58.181	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	377716	64.223	ng	99
92) Benzo(g,h,i)perylene	17.492	276	379421	63.386	ng	98

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

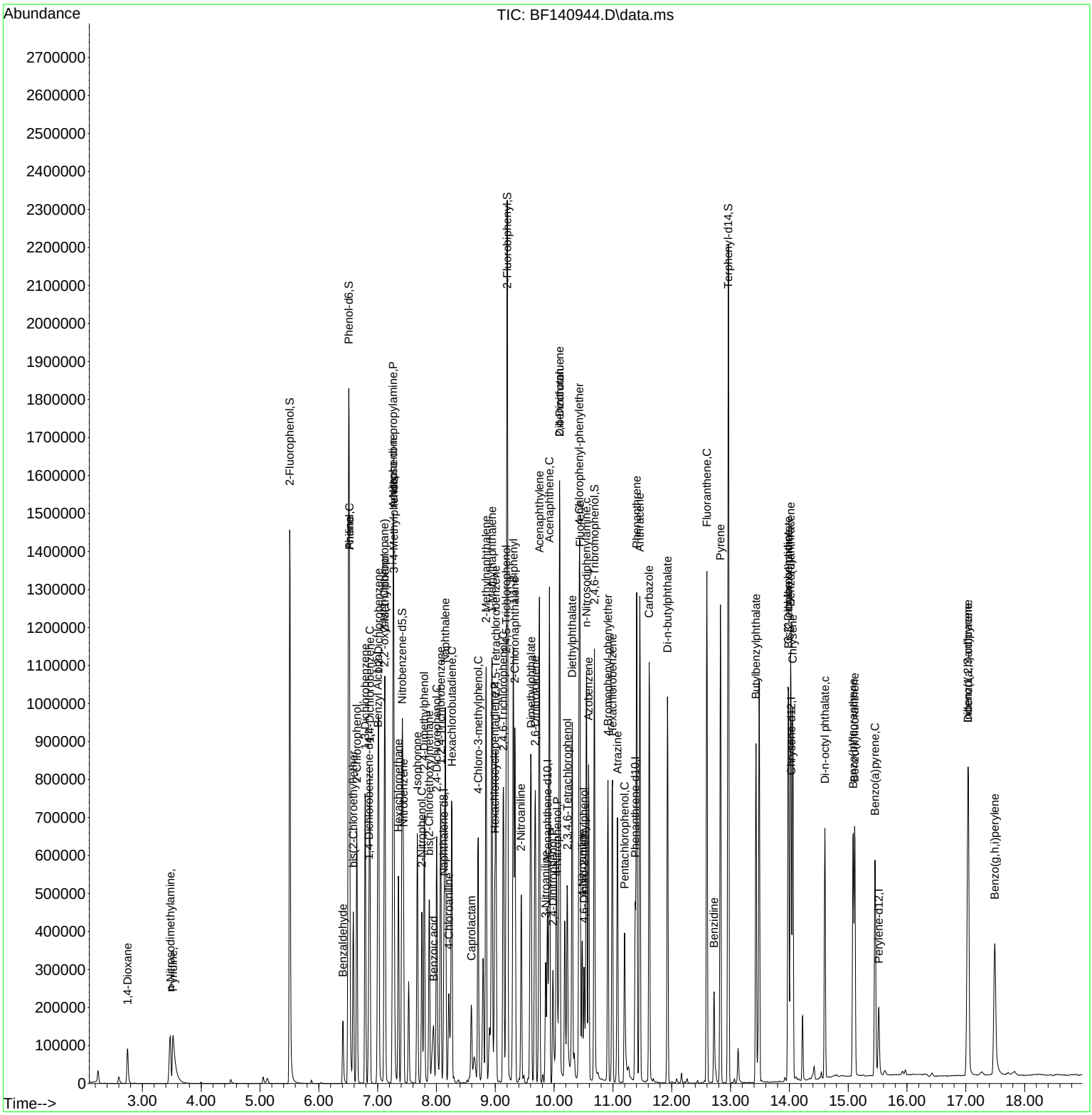
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140944.D
Acq On : 20 Dec 2024 12:07
Operator : RC/JU
Sample : PB165705BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 12:32:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165705BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140948.D
Acq On : 20 Dec 2024 14:10
Operator : RC/JU
Sample : P5306-09MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 14:38:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.851	152	55385	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	209218	20.000	ng		0.00
39) Acenaphthene-d10	9.886	164	115521	20.000	ng		0.00
64) Phenanthrene-d10	11.380	188	219277	20.000	ng		0.00
76) Chrysene-d12	14.033	240	133308	20.000	ng		0.00
86) Perylene-d12	15.521	264	114231	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	442109	131.406	ng		0.01
7) Phenol-d6	6.504	99	599050	134.430	ng		0.00
23) Nitrobenzene-d5	7.416	82	372228	89.012	ng		0.00
42) 2,4,6-Tribromophenol	10.686	330	167201	122.376	ng		0.00
45) 2-Fluorobiphenyl	9.204	172	705412	83.953	ng		0.00
79) Terphenyl-d14	12.963	244	769721	91.048	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	57898	39.952	ng		98
3) Pyridine	3.487	79	147343	43.903	ng		98
4) n-Nitrosodimethylamine	3.440	42	73891	43.674	ng		95
6) Aniline	6.516	93	152345	39.984	ng	#	72
8) 2-Chlorophenol	6.645	128	202633	55.230	ng		99
9) Benzaldehyde	6.410	77	38178	15.462	ng		92
10) Phenol	6.516	94	259118	56.104	ng		97
11) bis(2-Chloroethyl)ether	6.587	93	180043	52.272	ng		99
12) 1,3-Dichlorobenzene	6.787	146	210487	50.348	ng		98
13) 1,4-Dichlorobenzene	6.869	146	216818	51.092	ng		98
14) 1,2-Dichlorobenzene	7.016	146	203761	50.890	ng		99
15) Benzyl Alcohol	7.004	79	175492	55.078	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.116	45	208259	51.327	ng		91
17) 2-Methylphenol	7.122	107	160183	54.685	ng		99
18) Hexachloroethane	7.351	117	77377	48.978	ng		97
19) n-Nitroso-di-n-propyla...	7.263	70	140269	52.475	ng		97
20) 3+4-Methylphenols	7.275	107	218873	56.350	ng	#	80
22) Acetophenone	7.263	105	281478	53.782	ng		94
24) Nitrobenzene	7.440	77	213867	49.921	ng		95
25) Isophorone	7.675	82	358474	51.161	ng		99
26) 2-Nitrophenol	7.751	139	110125	55.813	ng		95
27) 2,4-Dimethylphenol	7.792	122	151216	65.624	ng		99
28) bis(2-Chloroethoxy)met...	7.875	93	221616	50.641	ng		99
29) 2,4-Dichlorophenol	8.004	162	170278	53.525	ng		99
30) 1,2,4-Trichlorobenzene	8.075	180	174689	47.901	ng		99
31) Naphthalene	8.151	128	576356	50.150	ng		100
32) Benzoic acid	7.945	122	79916	36.568	ng		95
33) 4-Chloroaniline	8.210	127	86711	22.717	ng		98
34) Hexachlorobutadiene	8.263	225	112396	45.808	ng		99
35) Caprolactam	8.592	113	52938m	55.895	ng		
36) 4-Chloro-3-methylphenol	8.704	107	176282	49.233	ng		100
37) 2-Methylnaphthalene	8.845	142	369738	48.635	ng		100
38) 1-Methylnaphthalene	8.945	142	347475	46.215	ng		100
40) 1,2,4,5-Tetrachloroben...	9.010	216	184825	52.053	ng		99
41) Hexachlorocyclopentadiene	8.992	237	34644	40.992	ng		98
43) 2,4,6-Trichlorophenol	9.134	196	110805	50.964	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140948.D
Acq On : 20 Dec 2024 14:10
Operator : RC/JU
Sample : P5306-09MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 14:38:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	117901	49.337	ng	99
46) 1,1'-Biphenyl	9.304	154	472666	51.455	ng	99
47) 2-Chloronaphthalene	9.334	162	352165	50.113	ng	99
48) 2-Nitroaniline	9.439	65	109079	51.395	ng	94
49) Acenaphthylene	9.751	152	576620	55.834	ng	99
50) Dimethylphthalate	9.604	163	409034	50.222	ng	100
51) 2,6-Dinitrotoluene	9.681	165	92478	49.668	ng	94
52) Acenaphthene	9.922	154	351200	53.237	ng	99
53) 3-Nitroaniline	9.857	138	55538	30.057	ng	94
54) 2,4-Dinitrophenol	9.981	184	87671	95.155	ng	90
55) Dibenzofuran	10.092	168	537457	52.577	ng	99
56) 4-Nitrophenol	10.045	139	83327	83.625	ng	98
57) 2,4-Dinitrotoluene	10.092	165	127795	52.166	ng	98
58) Fluorene	10.439	166	428757	50.841	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.222	232	101786	52.272	ng	92
60) Diethylphthalate	10.304	149	405299	47.990	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	212840	50.243	ng	96
62) 4-Nitroaniline	10.475	138	98375m	50.949	ng	
63) Azobenzene	10.586	77	429196	54.056	ng	94
65) 4,6-Dinitro-2-methylph...	10.510	198	70374	56.637	ng	94
66) n-Nitrosodiphenylamine	10.545	169	372378	55.234	ng	100
67) 4-Bromophenyl-phenylether	10.916	248	124883	50.908	ng	97
68) Hexachlorobenzene	10.986	284	138231	49.700	ng	98
69) Atrazine	11.075	200	116856	62.062	ng	99
70) Pentachlorophenol	11.198	266	78972	77.662	ng	98
71) Phenanthrene	11.404	178	628319	55.721	ng	99
72) Anthracene	11.457	178	597017	53.762	ng	100
73) Carbazole	11.616	167	569460	52.355	ng	99
74) Di-n-butylphthalate	11.928	149	638255	49.999	ng	99
75) Fluoranthene	12.598	202	637105	49.060	ng	100
77) Benzidine	12.722	184	125211	46.021	ng	99
78) Pyrene	12.827	202	665883	56.171	ng	99
80) Butylbenzylphthalate	13.433	149	231762	53.133	ng	96
81) Benzo(a)anthracene	14.021	228	492886	52.168	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	81414	28.561	ng	97
83) Chrysene	14.057	228	441907	51.436	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	267856	47.624	ng	99
85) Di-n-octyl phthalate	14.604	149	365090	42.906	ng	98
87) Indeno(1,2,3-cd)pyrene	17.039	276	474317	66.539	ng	99
88) Benzo(b)fluoranthene	15.086	252	381086	48.060	ng	100
89) Benzo(k)fluoranthene	15.116	252	373879	54.968	ng	100
90) Benzo(a)pyrene	15.457	252	355872	57.316	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	390092	66.055	ng	99
92) Benzo(g,h,i)perylene	17.498	276	373367	62.119	ng	99

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

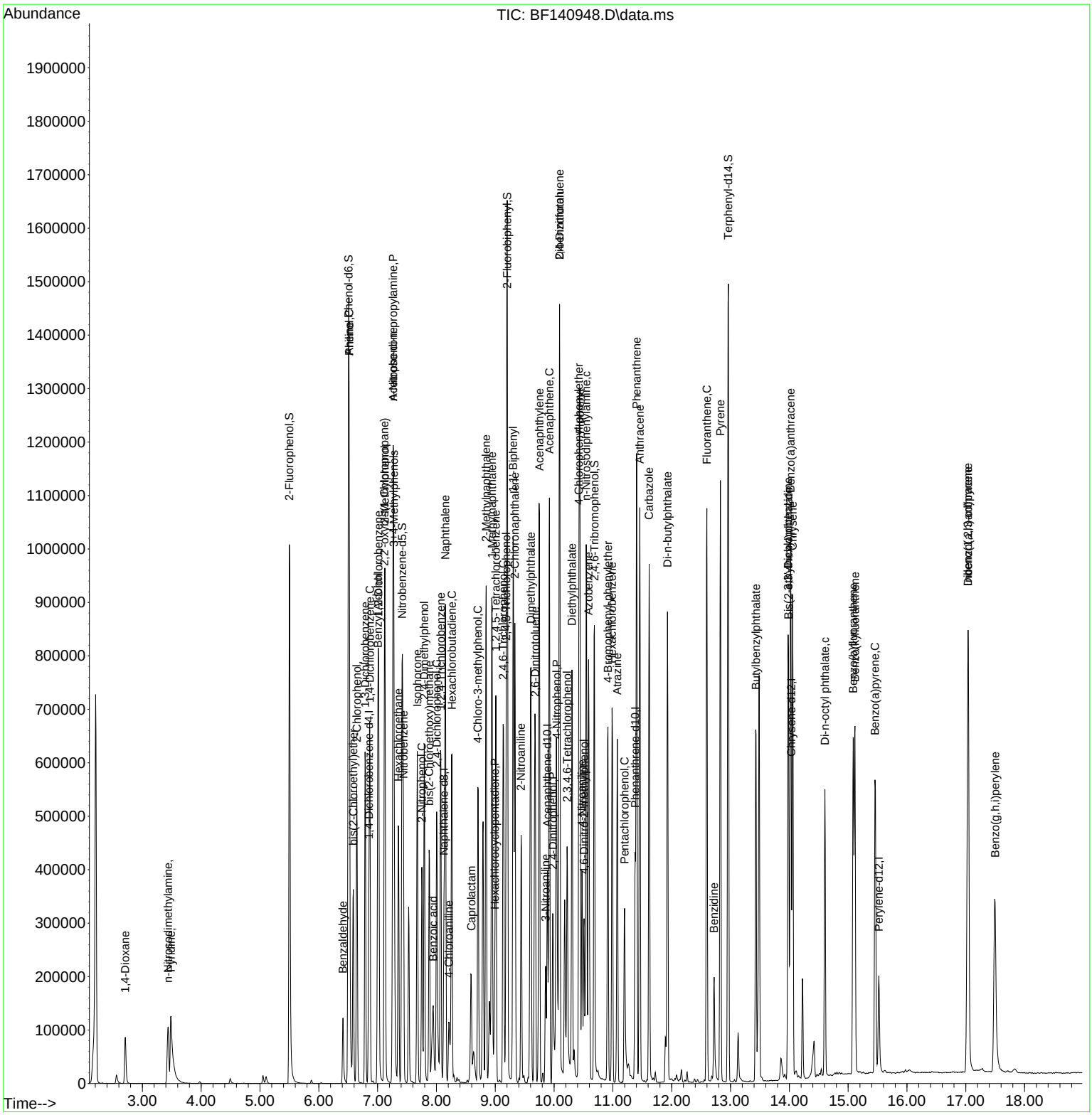
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140948.D
Acq On : 20 Dec 2024 14:10
Operator : RC/JU
Sample : P5306-09MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 14:38:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140949.D
Acq On : 20 Dec 2024 14:36
Operator : RC/JU
Sample : P5306-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 15:07:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.851	152	45949	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	175670	20.000	ng		0.00
39) Acenaphthene-d10	9.886	164	102157	20.000	ng		0.00
64) Phenanthrene-d10	11.380	188	188148	20.000	ng		0.00
76) Chrysene-d12	14.045	240	131096	20.000	ng		0.01
86) Perylene-d12	15.562	264	113765	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	397303	142.339	ng		0.01
7) Phenol-d6	6.504	99	518890	140.353	ng		0.00
23) Nitrobenzene-d5	7.416	82	315005	89.714	ng		0.00
42) 2,4,6-Tribromophenol	10.686	330	162262	134.298	ng		0.00
45) 2-Fluorobiphenyl	9.204	172	644674	86.762	ng		0.00
79) Terphenyl-d14	12.963	244	767138	92.274	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	57585	47.896	ng		98
3) Pyridine	3.481	79	136795	49.130	ng		99
4) n-Nitrosodimethylamine	3.434	42	71728	51.102	ng		96
6) Aniline	6.516	93	130848	41.394	ng	#	70
8) 2-Chlorophenol	6.645	128	172137	56.552	ng		99
9) Benzaldehyde	6.410	77	33958	16.577	ng		99
10) Phenol	6.516	94	224652	58.630	ng		98
11) bis(2-Chloroethyl)ether	6.587	93	152512	53.372	ng		98
12) 1,3-Dichlorobenzene	6.786	146	181700	52.387	ng		97
13) 1,4-Dichlorobenzene	6.869	146	185568	52.708	ng		99
14) 1,2-Dichlorobenzene	7.016	146	176510	53.137	ng		99
15) Benzyl Alcohol	7.004	79	151766	57.414	ng		95
16) 2,2'-oxybis(1-Chloropr...	7.116	45	177636	52.770	ng		91
17) 2-Methylphenol	7.122	107	138692	57.071	ng		98
18) Hexachloroethane	7.351	117	66118	50.446	ng		97
19) n-Nitroso-di-n-propyla...	7.263	70	119168	53.736	ng		99
20) 3+4-Methylphenols	7.275	107	185300	57.503	ng	#	82
22) Acetophenone	7.263	105	241328	54.917	ng		94
24) Nitrobenzene	7.439	77	180083	50.063	ng		95
25) Isophorone	7.675	82	314395	53.439	ng		99
26) 2-Nitrophenol	7.751	139	94485	57.032	ng		95
27) 2,4-Dimethylphenol	7.792	122	127969	66.141	ng		98
28) bis(2-Chloroethoxy)met...	7.881	93	188944	51.420	ng		99
29) 2,4-Dichlorophenol	8.004	162	149408	55.934	ng		99
30) 1,2,4-Trichlorobenzene	8.075	180	153263	50.051	ng		98
31) Naphthalene	8.151	128	517245	53.602	ng		99
32) Benzoic acid	7.945	122	71840	39.151	ng		97
33) 4-Chloroaniline	8.210	127	70709	22.062	ng		97
34) Hexachlorobutadiene	8.263	225	100776	48.916	ng		100
35) Caprolactam	8.592	113	46987m	59.086	ng		
36) 4-Chloro-3-methylphenol	8.710	107	163449	54.366	ng		99
37) 2-Methylnaphthalene	8.845	142	343391	53.795	ng		100
38) 1-Methylnaphthalene	8.945	142	318541	50.458	ng		99
40) 1,2,4,5-Tetrachloroben...	9.010	216	169136	53.866	ng		98
41) Hexachlorocyclopentadiene	8.992	237	31402	41.662	ng		100
43) 2,4,6-Trichlorophenol	9.133	196	102644	53.386	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140949.D
Acq On : 20 Dec 2024 14:36
Operator : RC/JU
Sample : P5306-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 15:07:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	107412	50.828	ng	99
46) 1,1'-Biphenyl	9.304	154	433578	53.374	ng	99
47) 2-Chloronaphthalene	9.333	162	319959	51.486	ng	98
48) 2-Nitroaniline	9.439	65	100764	53.688	ng	94
49) Acenaphthylene	9.751	152	529169	57.943	ng	99
50) Dimethylphthalate	9.604	163	378063	52.492	ng	100
51) 2,6-Dinitrotoluene	9.680	165	84402	51.261	ng	95
52) Acenaphthene	9.922	154	324577	55.638	ng	99
53) 3-Nitroaniline	9.857	138	49243	30.137	ng	93
54) 2,4-Dinitrophenol	9.980	184	79873	97.834	ng	93
55) Dibenzofuran	10.092	168	493268	54.567	ng	100
56) 4-Nitrophenol	10.045	139	72978	82.863	ng	97
57) 2,4-Dinitrotoluene	10.092	165	113633	52.453	ng	99
58) Fluorene	10.439	166	397342	53.279	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.222	232	97009	56.336	ng	91
60) Diethylphthalate	10.304	149	376001	50.345	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	193903	51.761	ng	98
62) 4-Nitroaniline	10.474	138	88397m	51.770	ng	
63) Azobenzene	10.586	77	404359	57.590	ng	95
65) 4,6-Dinitro-2-methylph...	10.510	198	64685	60.672	ng	96
66) n-Nitrosodiphenylamine	10.545	169	341229	58.988	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	117531	55.838	ng	96
68) Hexachlorobenzene	10.992	284	133215	55.821	ng	98
69) Atrazine	11.074	200	111739	69.163	ng	99
70) Pentachlorophenol	11.198	266	74523	85.412	ng	98
71) Phenanthrene	11.404	178	569035	58.813	ng	99
72) Anthracene	11.457	178	585440	61.442	ng	100
73) Carbazole	11.616	167	541131	57.981	ng	100
74) Di-n-butylphthalate	11.927	149	577959	52.767	ng	99
75) Fluoranthene	12.598	202	628778	56.429	ng	100
77) Benzidine	12.721	184	132623	49.567	ng	99
78) Pyrene	12.827	202	642867	55.145	ng	100
80) Butylbenzylphthalate	13.433	149	231266	53.914	ng	97
81) Benzo(a)anthracene	14.033	228	508709	54.752	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	84711	30.219	ng	98
83) Chrysene	14.068	228	458342	54.249	ng	99
84) Bis(2-ethylhexyl)phtha...	13.998	149	277592	50.188	ng	99
85) Di-n-octyl phthalate	14.639	149	383542	45.836	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	486592	68.540	ng	99
88) Benzo(b)fluoranthene	15.127	252	420442	53.241	ng	99
89) Benzo(k)fluoranthene	15.151	252	378547	55.882	ng	100
90) Benzo(a)pyrene	15.504	252	372093	60.174	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	395812	67.298	ng	99
92) Benzo(g,h,i)perylene	17.545	276	366040	61.149	ng	99

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

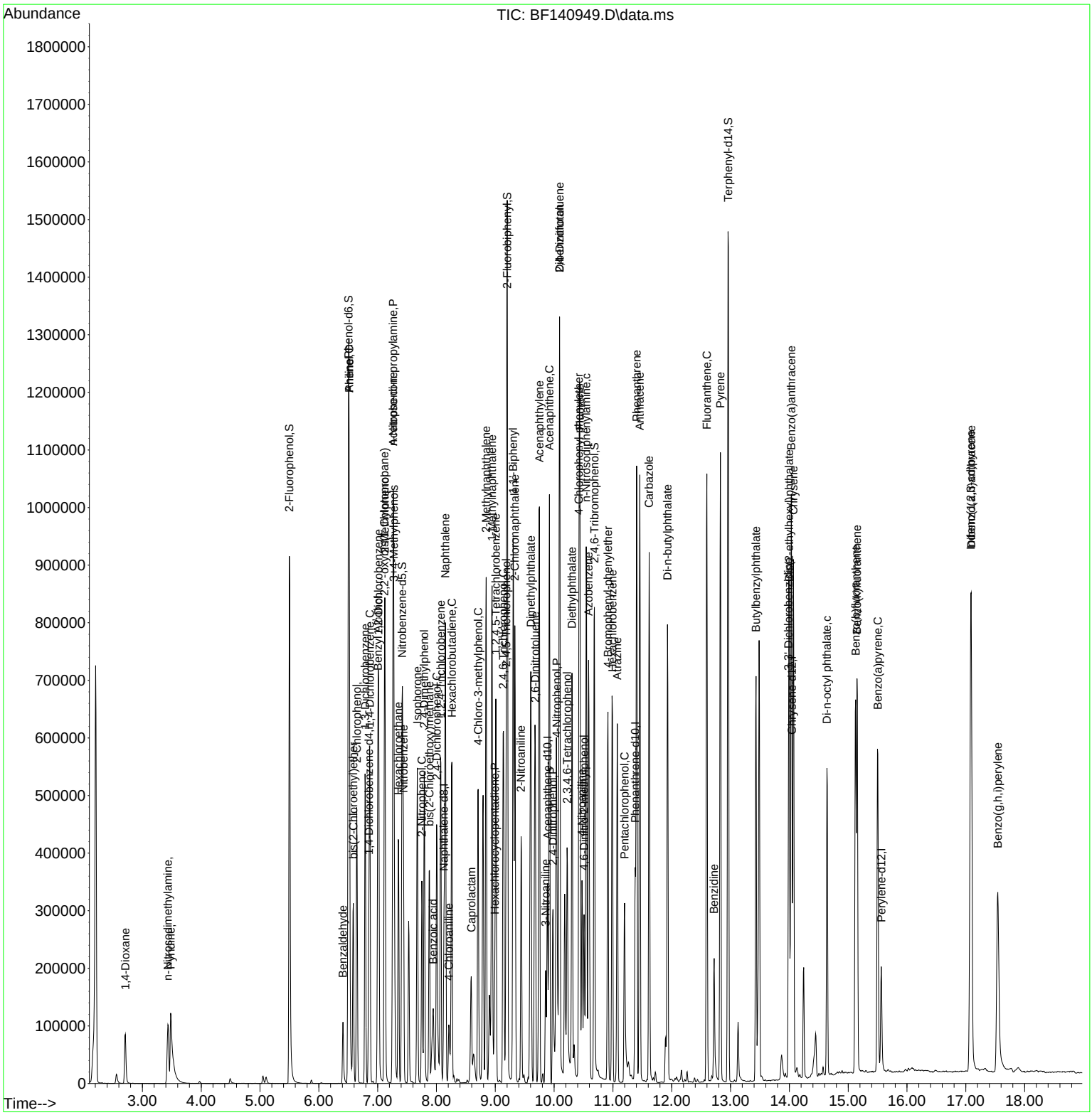
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140949.D
Acq On : 20 Dec 2024 14:36
Operator : RC/JU
Sample : P5306-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 15:07:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



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

Manual Integration Report

Sequence:	BF121624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF140857.D	4-Nitrophenol	yogesh	12/18/2024 1:39:47 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software
SSTDICC010	BF140857.D	Pentachlorophenol	yogesh	12/18/2024 1:39:47 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software
SSTDICC020	BF140858.D	Pentachlorophenol	yogesh	12/18/2024 1:39:48 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software
SSTDICC080	BF140862.D	Caprolactam	yogesh	12/18/2024 1:39:50 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF122024	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140942.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:03 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
PB165705BS	BF140944.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:06 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
PB165705BS	BF140944.D	Caprolactam	Jagrut	12/23/2024 10:15:06 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
P5306-09MS	BF140948.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:09 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
P5306-09MS	BF140948.D	Caprolactam	Jagrut	12/23/2024 10:15:09 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
P5306-09MSD	BF140949.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:11 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
P5306-09MSD	BF140949.D	Caprolactam	Jagrut	12/23/2024 10:15:11 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
SSTDCCC040	BF140959.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:20 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF122624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BF140974.D	Aniline	yogesh	12/27/2024 3:54:51 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICCC040	BF140974.D	Caprolactam	yogesh	12/27/2024 3:54:51 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC050	BF140975.D	Aniline	yogesh	12/27/2024 3:54:52 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC050	BF140975.D	Caprolactam	yogesh	12/27/2024 3:54:52 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC060	BF140976.D	Aniline	yogesh	12/27/2024 3:54:54 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC080	BF140977.D	Aniline	yogesh	12/27/2024 3:54:55 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC080	BF140977.D	bis(2-Chloroethyl)ether	yogesh	12/27/2024 3:54:55 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICV040	BF140978.D	Caprolactam	yogesh	12/27/2024 3:54:57 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf122724	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140981.D	Caprolactam	yogesh	12/30/2024 12:21:09 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
SSTDCCC040	BF140981.D	Phenol	yogesh	12/30/2024 12:21:09 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
SSTDCCC040	BF140994.D	Caprolactam	yogesh	12/30/2024 12:21:19 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
SSTDCCC040	BF140994.D	Phenol	yogesh	12/30/2024 12:21:19 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121624

Review By	yogesh	Review On	12/18/2024 1:40:10 AM				
Supervise By	mohammad	Supervise On	12/18/2024 2:36:39 AM				
SubDirectory	BF121624	HP Acquire Method	BNA_F		HP Processing Method	Bf121624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140854.D	16 Dec 2024 11:21	RC/JU	Ok
2	SSTDICC2.5	BF140855.D	16 Dec 2024 12:13	RC/JU	Ok
3	SSTDICC005	BF140856.D	16 Dec 2024 12:39	RC/JU	Ok
4	SSTDICC010	BF140857.D	16 Dec 2024 13:05	RC/JU	Ok,M
5	SSTDICC020	BF140858.D	16 Dec 2024 14:00	RC/JU	Ok,M
6	SSTDICCC040	BF140859.D	16 Dec 2024 14:26	RC/JU	Ok
7	SSTDICC050	BF140860.D	16 Dec 2024 15:23	RC/JU	Ok
8	SSTDICC060	BF140861.D	16 Dec 2024 15:49	RC/JU	Ok
9	SSTDICC080	BF140862.D	16 Dec 2024 16:15	RC/JU	Ok,M
10	SSTDICV040	BF140863.D	16 Dec 2024 16:41	RC/JU	Ok
11	PB165543BL	BF140864.D	16 Dec 2024 17:08	RC/JU	Ok
12	PB165543BS	BF140865.D	16 Dec 2024 17:34	RC/JU	Ok,M
13	PB165590BL	BF140866.D	16 Dec 2024 18:00	RC/JU	Ok
14	PB165479BS	BF140867.D	16 Dec 2024 18:26	RC/JU	Ok,M
15	PB165479BSD	BF140868.D	16 Dec 2024 18:53	RC/JU	Ok,M
16	PB165479BL	BF140869.D	16 Dec 2024 19:19	RC/JU	Ok
17	P5192-02	BF140870.D	16 Dec 2024 19:45	RC/JU	ReRun

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122024

Review By	Jagrut	Review On	12/23/2024 10:15:36 AM				
Supervise By	mohammad	Supervise On	12/24/2024 11:31:08 PM				
SubDirectory	BF122024	HP Acquire Method	BNA_F		HP Processing Method	bf121624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140941.D	20 Dec 2024 09:47	RC/JU	Ok
2	SSTDCCC040	BF140942.D	20 Dec 2024 11:15	RC/JU	Ok,M
3	PB165705BL	BF140943.D	20 Dec 2024 11:41	RC/JU	Ok
4	PB165705BS	BF140944.D	20 Dec 2024 12:07	RC/JU	Ok,M
5	P5316-01	BF140945.D	20 Dec 2024 12:51	RC/JU	Ok
6	P5306-11	BF140946.D	20 Dec 2024 13:18	RC/JU	Ok
7	P5306-09	BF140947.D	20 Dec 2024 13:44	RC/JU	Ok
8	P5306-09MS	BF140948.D	20 Dec 2024 14:10	RC/JU	Ok,M
9	P5306-09MSD	BF140949.D	20 Dec 2024 14:36	RC/JU	Ok,M
10	P5306-13	BF140950.D	20 Dec 2024 15:02	RC/JU	Ok
11	P5306-15	BF140951.D	20 Dec 2024 15:29	RC/JU	Ok
12	P5306-01	BF140952.D	20 Dec 2024 15:55	RC/JU	Ok
13	P5306-03	BF140953.D	20 Dec 2024 16:21	RC/JU	Ok
14	P5306-05	BF140954.D	20 Dec 2024 16:48	RC/JU	Ok
15	P5306-07	BF140955.D	20 Dec 2024 17:14	RC/JU	Ok
16	P5330-04	BF140956.D	20 Dec 2024 17:40	RC/JU	Ok
17	P5330-04MS	BF140957.D	20 Dec 2024 18:06	RC/JU	Ok,M
18	P5330-04MSD	BF140958.D	20 Dec 2024 18:32	RC/JU	Ok,M
19	SSTDCCC040	BF140959.D	20 Dec 2024 19:24	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122624

Review By	yogesh	Review On	12/27/2024 4:07:20 AM				
Supervise By	mohammad	Supervise On	12/27/2024 4:13:24 AM				
SubDirectory	BF122624	HP Acquire Method	BNA_F		HP Processing Method	bf122624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140969.D	26 Dec 2024 15:57	RC/JU	Ok
2	SSTDICC2.5	BF140970.D	26 Dec 2024 16:23	RC/JU	Ok
3	SSTDICC005	BF140971.D	26 Dec 2024 16:49	RC/JU	Ok
4	SSTDICC010	BF140972.D	26 Dec 2024 17:15	RC/JU	Ok
5	SSTDICC020	BF140973.D	26 Dec 2024 17:41	RC/JU	Ok
6	SSTDICCC040	BF140974.D	26 Dec 2024 18:06	RC/JU	Ok,M
7	SSTDICC050	BF140975.D	26 Dec 2024 18:33	RC/JU	Ok,M
8	SSTDICC060	BF140976.D	26 Dec 2024 18:59	RC/JU	Ok,M
9	SSTDICC080	BF140977.D	26 Dec 2024 19:25	RC/JU	Ok,M
10	SSTDICV040	BF140978.D	26 Dec 2024 19:52	RC/JU	Ok,M
11	PB165543BL	BF140979.D	26 Dec 2024 20:18	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM				
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM				
SubDirectory	BF122724	HP Acquire Method	BNA_F		HP Processing Method	bf122624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140980.D	27 Dec 2024 07:54	RC/JU	Ok
2	SSTDCCC040	BF140981.D	27 Dec 2024 08:19	RC/JU	Ok,M
3	PB165790BL	BF140982.D	27 Dec 2024 08:45	RC/JU	Ok
4	PB165785BS	BF140983.D	27 Dec 2024 09:11	RC/JU	Ok,M
5	PB165785BSD	BF140984.D	27 Dec 2024 09:37	RC/JU	Ok,M
6	PB165733TB	BF140985.D	27 Dec 2024 10:04	RC/JU	Ok
7	PB165790BS	BF140986.D	27 Dec 2024 10:30	RC/JU	Ok,M
8	PB165748BL	BF140987.D	27 Dec 2024 10:56	RC/JU	Ok
9	PB165748BS	BF140988.D	27 Dec 2024 11:22	RC/JU	Ok,M
10	PB165814BL	BF140989.D	27 Dec 2024 11:48	RC/JU	Ok
11	PB165814BS	BF140990.D	27 Dec 2024 12:14	RC/JU	Ok,M
12	PB165845BL	BF140991.D	27 Dec 2024 12:41	RC/JU	Ok
13	PB165845BS	BF140992.D	27 Dec 2024 13:07	RC/JU	Not Ok
14	DFTPP	BF140993.D	27 Dec 2024 13:33	RC/JU	Ok
15	SSTDCCC040	BF140994.D	27 Dec 2024 13:59	RC/JU	Ok,M
16	PB165872BL	BF140995.D	27 Dec 2024 14:26	RC/JU	Ok
17	P5299-04	BF140996.D	27 Dec 2024 15:00	RC/JU	Ok
18	P5299-03	BF140997.D	27 Dec 2024 15:26	RC/JU	Ok
19	P5299-02	BF140998.D	27 Dec 2024 16:03	RC/JU	Ok
20	P5299-01	BF140999.D	27 Dec 2024 16:29	RC/JU	Ok
21	P5356-01	BF141000.D	27 Dec 2024 16:55	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P5362-01	BF141001.D	27 Dec 2024 17:21	RC/JU	Ok,M
23	P5362-01MS	BF141002.D	27 Dec 2024 17:46	RC/JU	Ok,M
24	P5362-01MSD	BF141003.D	27 Dec 2024 18:13	RC/JU	Ok,M
25	P5382-01	BF141004.D	27 Dec 2024 18:39	RC/JU	Ok,M
26	P5382-01MS	BF141005.D	27 Dec 2024 19:05	RC/JU	Ok,M
27	P5382-01MSD	BF141006.D	27 Dec 2024 19:32	RC/JU	Ok,M
28	P5382-02	BF141007.D	27 Dec 2024 19:58	RC/JU	Ok,M
29	P5382-03	BF141008.D	27 Dec 2024 20:24	RC/JU	Ok
30	P5343-01MS	BF141009.D	27 Dec 2024 20:51	RC/JU	Ok
31	P5343-01MSD	BF141010.D	27 Dec 2024 21:17	RC/JU	Ok
32	P5343-03RE	BF141011.D	27 Dec 2024 21:43	RC/JU	Confirms
33	P5330-01RE	BF141012.D	27 Dec 2024 22:10	RC/JU	Confirms
34	P5383-01	BF141013.D	27 Dec 2024 22:36	RC/JU	Ok,M
35	P5355-01RE	BF141014.D	27 Dec 2024 23:02	RC/JU	Confirms
36	P5387-01	BF141015.D	27 Dec 2024 23:29	RC/JU	Ok,M
37	P5387-01MS	BF141016.D	27 Dec 2024 23:55	RC/JU	Not Ok
38	P5387-01MSD	BF141017.D	28 Dec 2024 00:21	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121624

Review By	yogesh	Review On	12/18/2024 1:40:10 AM		
Supervise By	mohammad	Supervise On	12/18/2024 2:36:39 AM		
SubDirectory	BF121624	HP Acquire Method	BNA_F	HP Processing Method	Bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140854.D	16 Dec 2024 11:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140855.D	16 Dec 2024 12:13		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140856.D	16 Dec 2024 12:39	Compound#32,41,54,56,65,70,77 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF140857.D	16 Dec 2024 13:05		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF140858.D	16 Dec 2024 14:00	The Calibration is Good For 8270 DOD and good for 625.1 Method	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF140859.D	16 Dec 2024 14:26	Compound#41 Kept on QR & Compound#54,56 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF140860.D	16 Dec 2024 15:23		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF140861.D	16 Dec 2024 15:49		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF140862.D	16 Dec 2024 16:15		RC/JU	Ok,M
10	SSTDICV040	ICVBF121624	BF140863.D	16 Dec 2024 16:41		RC/JU	Ok
11	PB165543BL	PB165543BL	BF140864.D	16 Dec 2024 17:08		RC/JU	Ok
12	PB165543BS	PB165543BS	BF140865.D	16 Dec 2024 17:34		RC/JU	Ok,M
13	PB165590BL	PB165590BL	BF140866.D	16 Dec 2024 18:00		RC/JU	Ok
14	PB165479BS	PB165479BS	BF140867.D	16 Dec 2024 18:26		RC/JU	Ok,M
15	PB165479BSD	PB165479BSD	BF140868.D	16 Dec 2024 18:53		RC/JU	Ok,M
16	PB165479BL	PB165479BL	BF140869.D	16 Dec 2024 19:19		RC/JU	Ok
17	P5192-02	EFF-WASTE WATER	BF140870.D	16 Dec 2024 19:45	Surrogate Fail	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121624

Review By	yogesh	Review On	12/18/2024 1:40:10 AM		
Supervise By	mohammad	Supervise On	12/18/2024 2:36:39 AM		
SubDirectory	BF121624	HP Acquire Method	BNA_F	HP Processing Method	Bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122024

Review By	Jagrut	Review On	12/23/2024 10:15:36 AM		
Supervise By	mohammad	Supervise On	12/24/2024 11:31:08 PM		
SubDirectory	BF122024	HP Acquire Method	BNA_F	HP Processing Method	bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140941.D	20 Dec 2024 09:47		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140942.D	20 Dec 2024 11:15	CCC fail high side for #87,91 and #92	RC/JU	Ok,M
3	PB165705BL	PB165705BL	BF140943.D	20 Dec 2024 11:41		RC/JU	Ok
4	PB165705BS	PB165705BS	BF140944.D	20 Dec 2024 12:07		RC/JU	Ok,M
5	P5316-01	TT-304-IDWSO-202412	BF140945.D	20 Dec 2024 12:51		RC/JU	Ok
6	P5306-11	OU4-VSL-12-121224	BF140946.D	20 Dec 2024 13:18		RC/JU	Ok
7	P5306-09	OU4-VSL-11-121224	BF140947.D	20 Dec 2024 13:44		RC/JU	Ok
8	P5306-09MS	OU4-VSL-11-121224MS	BF140948.D	20 Dec 2024 14:10		RC/JU	Ok,M
9	P5306-09MSD	OU4-VSL-11-121224MS	BF140949.D	20 Dec 2024 14:36		RC/JU	Ok,M
10	P5306-13	OU4-VSL-13-121224	BF140950.D	20 Dec 2024 15:02		RC/JU	Ok
11	P5306-15	OU4-VSL-14-121224	BF140951.D	20 Dec 2024 15:29		RC/JU	Ok
12	P5306-01	OU4-VSL-07-121224	BF140952.D	20 Dec 2024 15:55		RC/JU	Ok
13	P5306-03	OU4-VSL-08-121224	BF140953.D	20 Dec 2024 16:21		RC/JU	Ok
14	P5306-05	OU4-VSL-09-121224	BF140954.D	20 Dec 2024 16:48		RC/JU	Ok
15	P5306-07	OU4-VSL-10-121224	BF140955.D	20 Dec 2024 17:14		RC/JU	Ok
16	P5330-04	TP-5	BF140956.D	20 Dec 2024 17:40		RC/JU	Ok
17	P5330-04MS	TP-5MS	BF140957.D	20 Dec 2024 18:06		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122024

Review By	Jagrut	Review On	12/23/2024 10:15:36 AM		
Supervise By	mohammad	Supervise On	12/24/2024 11:31:08 PM		
SubDirectory	BF122024	HP Acquire Method	BNA_F	HP Processing Method	bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P5330-04MSD	TP-5MSD	BF140958.D	20 Dec 2024 18:32		RC/JU	Ok,M
19	SSTDCCC040	SSTDCCC040EC	BF140959.D	20 Dec 2024 19:24		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122624

Review By	yogesh	Review On	12/27/2024 4:07:20 AM		
Supervise By	mohammad	Supervise On	12/27/2024 4:13:24 AM		
SubDirectory	BF122624	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140969.D	26 Dec 2024 15:57		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140970.D	26 Dec 2024 16:23		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140971.D	26 Dec 2024 16:49	Compound #9,54,56,65 removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF140972.D	26 Dec 2024 17:15		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF140973.D	26 Dec 2024 17:41	Compound #9,26,32,48,51,53,57,62,65 Kept on LR and Compound #54 Kept on QR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140974.D	26 Dec 2024 18:06	The Calibration is Good For 8270 DOD Except Com#56 and good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF140975.D	26 Dec 2024 18:33		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF140976.D	26 Dec 2024 18:59		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF140977.D	26 Dec 2024 19:25	Compound #9,69 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF122624	BF140978.D	26 Dec 2024 19:52	ICV Fail for Com#56 for DOD	RC/JU	Ok,M
11	PB165543BL	PB165543BL	BF140979.D	26 Dec 2024 20:18		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140980.D	27 Dec 2024 07:54		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140981.D	27 Dec 2024 08:19		RC/JU	Ok,M
3	PB165790BL	PB165790BL	BF140982.D	27 Dec 2024 08:45		RC/JU	Ok
4	PB165785BS	PB165785BS	BF140983.D	27 Dec 2024 09:11		RC/JU	Ok,M
5	PB165785BSD	PB165785BSD	BF140984.D	27 Dec 2024 09:37		RC/JU	Ok,M
6	PB165733TB	PB165733TB	BF140985.D	27 Dec 2024 10:04		RC/JU	Ok
7	PB165790BS	PB165790BS	BF140986.D	27 Dec 2024 10:30		RC/JU	Ok,M
8	PB165748BL	PB165748BL	BF140987.D	27 Dec 2024 10:56		RC/JU	Ok
9	PB165748BS	PB165748BS	BF140988.D	27 Dec 2024 11:22		RC/JU	Ok,M
10	PB165814BL	PB165814BL	BF140989.D	27 Dec 2024 11:48		RC/JU	Ok
11	PB165814BS	PB165814BS	BF140990.D	27 Dec 2024 12:14		RC/JU	Ok,M
12	PB165845BL	PB165845BL	BF140991.D	27 Dec 2024 12:41		RC/JU	Ok
13	PB165845BS	PB165845BS	BF140992.D	27 Dec 2024 13:07	Recovery fail high for com. #71	RC/JU	Not Ok
14	DFTPP	DFTPP	BF140993.D	27 Dec 2024 13:33		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF140994.D	27 Dec 2024 13:59	CCC fail high side for com. #77	RC/JU	Ok,M
16	PB165872BL	PB165872BL	BF140995.D	27 Dec 2024 14:26		RC/JU	Ok
17	P5299-04	SB-02	BF140996.D	27 Dec 2024 15:00		RC/JU	Ok
18	P5299-03	SB-01	BF140997.D	27 Dec 2024 15:26		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5299-02	SB-02	BF140998.D	27 Dec 2024 16:03		RC/JU	Ok
20	P5299-01	SB-01	BF140999.D	27 Dec 2024 16:29		RC/JU	Ok
21	P5356-01	STAND-PIPE	BF141000.D	27 Dec 2024 16:55		RC/JU	Ok
22	P5362-01	WC-SOIL-20241219	BF141001.D	27 Dec 2024 17:21		RC/JU	Ok,M
23	P5362-01MS	WC-SOIL-20241219MS	BF141002.D	27 Dec 2024 17:46		RC/JU	Ok,M
24	P5362-01MSD	WC-SOIL-20241219MS	BF141003.D	27 Dec 2024 18:13		RC/JU	Ok,M
25	P5382-01	COMP-1	BF141004.D	27 Dec 2024 18:39		RC/JU	Ok,M
26	P5382-01MS	COMP-1MS	BF141005.D	27 Dec 2024 19:05		RC/JU	Ok,M
27	P5382-01MSD	COMP-1MSD	BF141006.D	27 Dec 2024 19:32		RC/JU	Ok,M
28	P5382-02	COMP-2	BF141007.D	27 Dec 2024 19:58		RC/JU	Ok,M
29	P5382-03	COMP-3	BF141008.D	27 Dec 2024 20:24		RC/JU	Ok
30	P5343-01MS	VNJ210MS	BF141009.D	27 Dec 2024 20:51		RC/JU	Ok
31	P5343-01MSD	VNJ210MSD	BF141010.D	27 Dec 2024 21:17		RC/JU	Ok
32	P5343-03RE	VNJ281RE	BF141011.D	27 Dec 2024 21:43	Fax is already given	RC/JU	Confirms
33	P5330-01RE	TP-5RE	BF141012.D	27 Dec 2024 22:10	Fax is already given	RC/JU	Confirms
34	P5383-01	OK-02-12232024	BF141013.D	27 Dec 2024 22:36		RC/JU	Ok,M
35	P5355-01RE	RBR251688RE	BF141014.D	27 Dec 2024 23:02	Fax is already given	RC/JU	Confirms
36	P5387-01	TR-05-122624	BF141015.D	27 Dec 2024 23:29		RC/JU	Ok,M
37	P5387-01MS	TR-05-122624MS	BF141016.D	27 Dec 2024 23:55	MSD is Not Ok	RC/JU	Not Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P5387-01MSD	TR-05-122624MSD	BF141017.D	28 Dec 2024 00:21	Internal Standard Fail	RC/JU	Not Ok

M : Manual Integration

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EXTRACTION LOGPAGE

PB165705

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	12/18/2024
Matrix :	Solid			**Extraction Start Time :**	08:56
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	12/18/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	14:40
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

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	SP6681
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2560
Baked Na2SO4	N/A	EP2573
Sand	N/A	E2865
Methylene Chloride	N/A	E3845
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. P5316-01 Added in batch at 1135

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/18/24	RP (Ext Lab)	RC/SVOC
14:45	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB165705

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 12/18/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165705BL	SBLK705	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1			U4-1
PB165705BS	SLCS705	SVOCMS Group3	30.01	N/A	ritesh	Evelyn	1			2
P5299-01	SB-01	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	F		3
P5299-02	SB-02	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	F		4
P5299-03	SB-01	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	F		5
P5299-04	SB-02	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	F		6
P5306-01	OU4-VSL-07-121224	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		U5-1
P5306-03	OU4-VSL-08-121224	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		2
P5306-05	OU4-VSL-09-121224	SVOCMS Group3	30.07	N/A	ritesh	Evelyn	1	E		3
P5306-07	OU4-VSL-10-121224	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		4
P5306-09	OU4-VSL-11-121224	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		5
P5306-09MS	OU4-VSL-11-121224MS	SVOCMS Group3	30.10	N/A	ritesh	Evelyn	1	E		6
P5306-09MSD	OU4-VSL-11-121224MSD	SVOCMS Group3	30.08	N/A	ritesh	Evelyn	1	E		U6-1
P5306-11	OU4-VSL-12-121224	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		2
P5306-13	OU4-VSL-13-121224	SVOCMS Group3	30.03	N/A	ritesh	Evelyn	1	E		3
P5306-15	OU4-VSL-14-121224	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		4
P5312-01	SOIL-VNJ-222	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		5
P5312-03	CONCRETE-VNJ-222	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E	Concrete	6
P5316-01	TT-304-IDWSO-20241217-1	SVOCMS Group2	30.04	N/A	ritesh	Evelyn	1	E		U7-1

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

161705
8:53

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5312 **WorkList ID :** 186421 **Department :** Extraction **Date :** 12-18-2024 08:08:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5306-01	OU4-VSL-07-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-03	OU4-VSL-08-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-05	OU4-VSL-09-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-07	OU4-VSL-10-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-09	OU4-VSL-11-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-11	OU4-VSL-12-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-13	OU4-VSL-13-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-15	OU4-VSL-14-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5312-01	SOIL-VNJ-222	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	12/17/2024	8270E
P5312-03	CONCRETE-VNJ-222	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	12/17/2024	8270E

372 of 791

Date/Time 12/18/24 8:50
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: JD CSM

Date/Time 12/18/24 9:20
Raw Sample Received by: JD CSM
Raw Sample Relinquished by: RJ (Ext Lab)

P5299

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5316 **WorkList ID :** 186434 **Department :** Extraction **Date :** 12-18-2024 11:32:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5316-01	TT-304-IDWSO-20241217-1	Solid	PCB Group1	Cool 4 deg C	TETR06	L51	12/17/2024	8082A
P5316-01	TT-304-IDWSO-20241217-1	Solid	PESTICIDE Group1	Cool 4 deg C	TETR06	L51	12/17/2024	8081B
P5316-01	TT-304-IDWSO-20241217-1	Solid	SVOCMS Group2	Cool 4 deg C	TETR06	L51	12/17/2024	8270E

Date/Time 12/18/24
Raw Sample Received by: RJ (Dept Lab)
Raw Sample Relinquished by: SM

Date/Time 12/18/24
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Dept Lab)

1605 707 8:56

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5299S **WorkList ID :** 186437 **Department :** Extraction **Date :** 12-18-2024 08:56:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5299-01	SB-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	12/14/2024	8270E
P5299-02	SB-02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	12/15/2024	8270E
P5299-03	SB-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	12/15/2024	8270E
P5299-04	SB-02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	12/15/2024	8270E

Date/Time 12/18/24 8:56
Raw Sample Received by: RJ (Ref lab)
Raw Sample Relinquished by: SM

Date/Time 12/18/24 8:10
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Ref lab)

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LAB CHRONICLE

OrderID:	P5299	**OrderDate:**	12/16/2024 12:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5299-01	**SB-01**	**SOIL**			**12/14/24**			**12/16/24**
			SVOC-TCL BNA -20	8270E		12/18/24	12/27/24	
P5299-02	**SB-02**	**SOIL**			**12/15/24**			**12/16/24**
			SVOC-TCL BNA -20	8270E		12/18/24	12/27/24	
P5299-03	**SB-01**	**SOIL**			**12/15/24**			**12/16/24**
			SVOC-TCL BNA -20	8270E		12/18/24	12/27/24	
P5299-04	**SB-02**	**SOIL**			**12/15/24**			**12/16/24**
			SVOC-TCL BNA -20	8270E		12/18/24	12/27/24	

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Hit Summary Sheet
SW-846

SDG No.: P5299 **Order ID:** P5299

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2024

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:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	78.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108627.D	1	12/18/24 08:10	12/18/24 16:54	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	21.6	ug/kg
11104-28-2	Aroclor-1221	8.20	U	8.20	21.6	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	21.6	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	21.6	ug/kg
12672-29-6	Aroclor-1248	10.0	U	10.0	21.6	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	21.6	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	21.6	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	21.6	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	21.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.7		30 (32) - 150 (144)	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		30 (32) - 150 (175)	109%	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:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	75.5 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108628.D	1	12/18/24 08:10	12/18/24 17:13	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	22.4	ug/kg
11104-28-2	Aroclor-1221	8.50	U	8.50	22.4	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	22.4	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	22.4	ug/kg
12672-29-6	Aroclor-1248	10.4	U	10.4	22.4	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	22.4	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	22.4	ug/kg
11100-14-4	Aroclor-1268	4.50	U	4.50	22.4	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	22.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		30 (32) - 150 (144)	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		30 (32) - 150 (175)	109%	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:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	68.8 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108629.D	1	12/18/24 08:10	12/18/24 17:31	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.90	U	4.90	24.7	ug/kg
11104-28-2	Aroclor-1221	9.30	U	9.30	24.7	ug/kg
11141-16-5	Aroclor-1232	4.90	U	4.90	24.7	ug/kg
53469-21-9	Aroclor-1242	4.90	U	4.90	24.7	ug/kg
12672-29-6	Aroclor-1248	11.4	U	11.4	24.7	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	24.7	ug/kg
37324-23-5	Aroclor-1262	6.60	U	6.60	24.7	ug/kg
11100-14-4	Aroclor-1268	5.00	U	5.00	24.7	ug/kg
11096-82-5	Aroclor-1260	4.20	U	4.20	24.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		30 (32) - 150 (144)	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.5		30 (32) - 150 (175)	88%	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:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	79.2 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108630.D	1	12/18/24 08:10	12/18/24 17:49	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	21.4	ug/kg
11104-28-2	Aroclor-1221	8.10	U	8.10	21.4	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	21.4	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	21.4	ug/kg
12672-29-6	Aroclor-1248	9.90	U	9.90	21.4	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	21.4	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	21.4	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	21.4	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	21.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		30 (32) - 150 (144)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		30 (32) - 150 (175)	99%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Surrogate Summary

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO108361.D	PIBLK-PO108361.D	Tetrachloro-m-xylene	1	20	23.0	115		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.6	118		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.6	108		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.6	118		70 (60)	130 (140)
I.BLK-PO108624.D	PIBLK-PO108624.D	Tetrachloro-m-xylene	1	20	20.4	102		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.2	101		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.3	107		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.4	117		70 (60)	130 (140)
PB165703BL	PB165703BL	Tetrachloro-m-xylene	1	20	18.9	94		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.2	96		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.5	98		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.0	110		30 (32)	150 (175)
PB165703BS	PB165703BS	Tetrachloro-m-xylene	1	20	17.7	89		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.3	96		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.4	92		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.3	112		30 (32)	150 (175)
P5299-01	SB-01	Tetrachloro-m-xylene	1	20	21.6	108		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.0	95		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.7	113		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.9	109		30 (32)	150 (175)
P5299-02	SB-02	Tetrachloro-m-xylene	1	20	21.2	106		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	18.9	94		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.3	111		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.8	109		30 (32)	150 (175)
P5299-03	SB-01	Tetrachloro-m-xylene	1	20	19.8	99		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	15.2	76		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.8	104		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	17.5	88		30 (32)	150 (175)
P5299-04	SB-02	Tetrachloro-m-xylene	1	20	19.8	99		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	17.1	85		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.7	103		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.7	99		30 (32)	150 (175)
P5306-01MS	OU4-VSL-07-121224MS	Tetrachloro-m-xylene	1	20	22.4	112		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.8	119		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	23.1	115		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	27.4	137		30 (32)	150 (175)
P5306-01MSD	OU4-VSL-07-121224MSD	Tetrachloro-m-xylene	1	20	22.5	112		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.6	103		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	23.3	117		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	23.9	119		30 (32)	150 (175)
I.BLK-PO108639.D	PIBLK-PO108639.D	Tetrachloro-m-xylene	1	20	20.5	103		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Surrogate Summary

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO108639.D	PIBLK-PO108639.D	Decachlorobiphenyl	1	20	20.3	102		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.5	108		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	24.1	121		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **DataFile :** PO108632.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**OU4-VSL-07-121224MS**											
P5306-01MS	AR1016	183.3	0	239	ug/kg	130				40 (55)	140 (146)	
	AR1260	183.3	0	242	ug/kg	132				40 (45)	140 (144)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **DataFile :** PO108633.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**OU4-VSL-07-121224MSD**											
P5306-01MSD	AR1016	183.2	0	229	ug/kg	125		4		40 (55)	140 (146)	30 (20)
	AR1260	183.2	0	220	ug/kg	120		10		40 (45)	140 (144)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **Datafile :** PO108626.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165703BS	AR1016	166.6	159	ug/kg	95				40 (71)	140 (120)	
	AR1260	166.6	165	ug/kg	99				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165703BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

Lab Sample ID: PB165703BL Lab File ID: PO108625.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 12/18/2024

Date Analyzed (1): 12/18/2024 Date Analyzed (2): 12/18/2024

Time Analyzed (1): 16:18 Time Analyzed (2): 16:18

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB165703BS	PB165703BS	PO108626.D	12/18/2024	12/18/2024
SB-01	P5299-01	PO108627.D	12/18/2024	12/18/2024
SB-02	P5299-02	PO108628.D	12/18/2024	12/18/2024
SB-01	P5299-03	PO108629.D	12/18/2024	12/18/2024
SB-02	P5299-04	PO108630.D	12/18/2024	12/18/2024
OU4-VSL-07-121224MS	P5306-01MS	PO108632.D	12/18/2024	12/18/2024
OU4-VSL-07-121224MSD	P5306-01MSD	PO108633.D	12/18/2024	12/18/2024

COMMENTS:

QC SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165703BL	SDG No.:	P5299
Lab Sample ID:	PB165703BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108625.D	1	12/18/24 08:10	12/18/24 16:18	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		30 (32) - 150 (144)	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.0		30 (32) - 150 (175)	110%	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:	12/06/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/06/24
Client Sample ID:	PIBLK-PO108361.D	SDG No.:	P5299
Lab Sample ID:	I.BLK-PO108361.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108361.D	1		12/06/24	PO120624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		70 (60) - 130 (140)	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		70 (60) - 130 (140)	118%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/18/24
Client Sample ID:	PIBLK-PO108624.D	SDG No.:	P5299
Lab Sample ID:	I.BLK-PO108624.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108624.D	1		12/18/24	PO121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		70 (60) - 130 (140)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		70 (60) - 130 (140)	101%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/18/24
Client Sample ID:	PIBLK-PO108639.D	SDG No.:	P5299
Lab Sample ID:	I.BLK-PO108639.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108639.D	1		12/18/24	PO121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		70 (60) - 130 (140)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		70 (60) - 130 (140)	102%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165703BS	SDG No.:	P5299
Lab Sample ID:	PB165703BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108626.D	1	12/18/24 08:10	12/18/24 16:36	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	159		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	165		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.4		30 (32) - 150 (144)	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.3		30 (32) - 150 (175)	112%	SPK: 20

Comments:

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B = Analyte Found in Associated Method Blank
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224MS	SDG No.:	P5299
Lab Sample ID:	P5306-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.8 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108632.D	1	12/18/24 08:10	12/18/24 18:26	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	239		3.70	18.7	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	18.7	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.7	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.7	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.7	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.7	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.7	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.7	ug/kg
11096-82-5	Aroclor-1260	242		3.20	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.1		30 (32) - 150 (144)	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	27.4		30 (32) - 150 (175)	137%	SPK: 20

Comments:

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Q = indicates LCS control criteria did not meet requirements
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-07-121224MSD	SDG No.:	P5299
Lab Sample ID:	P5306-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108633.D	1	12/18/24 08:10	12/18/24 18:44	PB165703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	229		3.70	18.7	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.7	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.7	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.7	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.7	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.7	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.7	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.7	ug/kg
11096-82-5	Aroclor-1260	220		3.20	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.3		30 (32) - 150 (144)	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		30 (32) - 150 (175)	119%	SPK: 20

Comments:

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CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

Instrument ID: ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024

Calibration Times: 14:19 22:34

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

LAB FILE ID: RT 1000 = PO108362.D RT 750 = PO108363.D

RT 500 = PO108364.D RT 250 = PO108365.D RT 050 = PO108366.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1016-2	(2)	4.83	4.83	4.83	4.83	4.83	4.83	4.73	4.93
Aroclor-1016-3	(3)	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Aroclor-1016-4	(4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1016-5	(5)	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
Aroclor-1260-1	(1)	6.31	6.31	6.31	6.31	6.31	6.31	6.21	6.41
Aroclor-1260-2	(2)	6.50	6.50	6.50	6.50	6.50	6.50	6.40	6.60
Aroclor-1260-3	(3)	6.87	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Aroclor-1260-4	(4)	7.13	7.13	7.13	7.13	7.13	7.13	7.03	7.23
Aroclor-1260-5	(5)	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1242-1	(1)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1242-2	(2)	4.83	4.83	4.83	4.83	4.83	4.83	4.73	4.93
Aroclor-1242-3	(3)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-4	(4)	5.01	5.01	5.01	5.00	5.00	5.01	4.91	5.11
Aroclor-1242-5	(5)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1248-1	(1)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1248-2	(2)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1248-3	(3)	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
Aroclor-1248-4	(4)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1248-5	(5)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1254-1	(1)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1254-2	(2)	5.77	5.77	5.77	5.77	5.77	5.77	5.67	5.87
Aroclor-1254-3	(3)	6.18	6.17	6.17	6.17	6.17	6.17	6.07	6.27
Aroclor-1254-4	(4)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1254-5	(5)	6.83	6.83	6.83	6.83	6.83	6.83	6.73	6.93
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1268-1	(1)	7.65	7.65	7.65	7.66	7.66	7.65	7.55	7.75
Aroclor-1268-2	(2)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Aroclor-1268-3	(3)	7.93	7.93	7.93	7.93	7.93	7.93	7.83	8.03
Aroclor-1268-4	(4)	8.22	8.22	8.22	8.22	8.22	8.22	8.12	8.32
Aroclor-1268-5	(5)	8.52	8.52	8.52	8.52	8.52	8.52	8.42	8.62

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene	3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

Instrument ID: ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024

Calibration Times: 14:19 22:34

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

LAB FILE ID: RT 1000 = PO108362.D RT 750 = PO108363.D

RT 500 = PO108364.D RT 250 = PO108365.D RT 050 = PO108366.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-2	(2)	4.82	4.82	4.82	4.82	4.82	4.82	4.72	4.92
Aroclor-1016-3	(3)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1016-4	(4)	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
Aroclor-1016-5	(5)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1260-1	(1)	6.29	6.29	6.29	6.29	6.29	6.29	6.19	6.39
Aroclor-1260-2	(2)	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Aroclor-1260-3	(3)	6.63	6.63	6.63	6.63	6.63	6.63	6.53	6.73
Aroclor-1260-4	(4)	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1260-5	(5)	7.34	7.34	7.34	7.34	7.34	7.34	7.24	7.44
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1242-1	(1)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1242-2	(2)	4.82	4.82	4.82	4.82	4.82	4.82	4.72	4.92
Aroclor-1242-3	(3)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1242-4	(4)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1242-5	(5)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1248-1	(1)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1248-2	(2)	5.04	5.04	5.03	5.03	5.04	5.04	4.94	5.14
Aroclor-1248-3	(3)	5.08	5.08	5.08	5.08	5.08	5.08	4.98	5.18
Aroclor-1248-4	(4)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1248-5	(5)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1254-1	(1)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1254-2	(2)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1254-3	(3)	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1254-4	(4)	6.38	6.38	6.38	6.38	6.38	6.38	6.28	6.48
Aroclor-1254-5	(5)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1268-1	(1)	7.62	7.62	7.62	7.62	7.62	7.62	7.52	7.72
Aroclor-1268-2	(2)	7.69	7.69	7.69	7.69	7.69	7.69	7.59	7.79
Aroclor-1268-3	(3)	7.90	7.90	7.90	7.90	7.90	7.90	7.80	8.00
Aroclor-1268-4	(4)	8.18	8.18	8.18	8.18	8.18	8.18	8.08	8.28
Aroclor-1268-5	(5)	8.48	8.48	8.48	8.48	8.48	8.48	8.38	8.58

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene	3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

Instrument ID: ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024

Calibration Times: 14:19 22:34

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

LAB FILE ID: **CF 1000 =** PO108362.D **CF 750 =** PO108363.D

CF 500 = PO108364.D **CF 250 =** PO108365.D **CF 050 =** PO108366.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	291946997	297743768	310620664	319628964	322276700	308443419	4
Aroclor-1016-2	(2)	404548343	410201719	419086158	434302728	418957120	417419214	3
Aroclor-1016-3	(3)	276313882	283350735	295214768	305005424	303271420	292631246	4
Aroclor-1016-4	(4)	219460370	224028880	231955104	239248200	241192240	231176959	4
Aroclor-1016-5	(5)	230837381	238568924	249276722	260302648	279364560	251670047	8
Aroclor-1260-1	(1)	430087746	435401064	458150304	486996644	475087940	457144740	5
Aroclor-1260-2	(2)	526959551	526383048	555764632	590931960	578558580	555719554	5
Aroclor-1260-3	(3)	436965341	443883275	464184392	487588856	485769460	463678265	5
Aroclor-1260-4	(4)	403312630	406530869	426472890	444299896	446086500	425340557	5
Aroclor-1260-5	(5)	957132439	955503789	984649950	1000570432	961557080	971882738	2
Decachlorobiphenyl		7019975940	7102279760	7343195240	7645101200	7409935200	7304097468	3
Tetrachloro-m-xylene		8754554380	8783699800	8926447760	8858353120	8177601800	8700131372	3
Aroclor-1242-1	(1)	247125512	244458381	250566506	269052152	275422740	257325058	5
Aroclor-1242-2	(2)	337820704	332549081	339649972	356992284	358797680	345161944	3
Aroclor-1242-3	(3)	232389462	228960781	237971694	251417972	255318460	241211674	5
Aroclor-1242-4	(4)	184244210	179103536	186955244	196540012	206728220	190714244	6
Aroclor-1242-5	(5)	194011522	194743607	197474576	218140108	233983940	207670751	9
Decachlorobiphenyl		7151632520	7167100640	7259242160	7695082840	7616154000	7377842432	4
Tetrachloro-m-xylene		8921368150	8691850413	8750108140	8842570400	8500038400	8741187101	2
Aroclor-1248-1	(1)	180443308	190883876	199902132	213303984	216831760	200273012	8
Aroclor-1248-2	(2)	246301061	262357348	276907834	298582396	301778920	277185512	9
Aroclor-1248-3	(3)	307776547	326479597	342321706	362333244	366087160	340999651	7
Aroclor-1248-4	(4)	437732929	457834677	479474244	502800428	504795820	476527620	6
Aroclor-1248-5	(5)	308766537	323271540	339143702	357998428	363873980	338610837	7
Decachlorobiphenyl		7041971050	7340001867	7677772660	8334328560	8377267200	7754268267	8
Tetrachloro-m-xylene		8742483090	9116744787	9342439560	9446963040	8577776400	9045281375	4
Aroclor-1254-1	(1)	463230517	487037587	512031514	533861324	572040640	513640316	8
Aroclor-1254-2	(2)	407035308	429134731	452892530	476390932	511836900	455458080	9
Aroclor-1254-3	(3)	665923649	695083201	726473802	743208540	769953480	720128534	6
Aroclor-1254-4	(4)	404280854	421077525	444268156	458648100	465789400	438812807	6
Aroclor-1254-5	(5)	578915300	604639081	636092894	662542188	693421140	635122121	7
Decachlorobiphenyl		7146512650	7451889427	7845842200	8029803560	8289288000	7752667167	6
Tetrachloro-m-xylene		8916956510	9205112240	9483653100	9313097600	8995829000	9182929690	3
Aroclor-1268-1	(1)	1246089127	1198545457	1234114434	1276827264	1264498100	1244014876	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1144198522	1088520925	1112229462	1147435628	1115923840	1121661675	2
Aroclor-1268-3	(3)	940965396	832346444	919340748	953365360	884986220	906200834	5
Aroclor-1268-4	(4)	385949324	370268229	384086808	404665236	389544200	386902759	3
Aroclor-1268-5	(5)	2890019913	2756282528	2773652360	2815336668	2624622080	2771982710	4
Decachlorobiphenyl		13116054520	12684928373	12985206200	13660251040	13550255000	13199339027	3
Tetrachloro-m-xylene		9439924600	8926085107	9366220020	9585299080	8679584000	9199422561	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

Instrument ID: ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024

Calibration Times: 14:19 22:34

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

LAB FILE ID: CF 1000 = PO108362.D CF 750 = PO108363.D

CF 500 = PO108364.D CF 250 = PO108365.D CF 050 = PO108366.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	153895169	156728372	161981056	169073964	160692820	160474276	4
Aroclor-1016-2	(2)	216342839	218481491	224728354	232664856	218246400	222092788	3
Aroclor-1016-3	(3)	120117826	122069885	126984464	131660600	128335340	125833623	4
Aroclor-1016-4	(4)	96843518	100727947	106065160	112123848	108269060	104805907	6
Aroclor-1016-5	(5)	124135109	128707045	133919966	139473364	149819760	135211049	7
Aroclor-1260-1	(1)	220557751	224688929	233372252	247245708	244312440	234035416	5
Aroclor-1260-2	(2)	265498816	268435476	278836448	291165028	298902840	280567722	5
Aroclor-1260-3	(3)	247895049	250737920	258985508	271036448	289186460	263568277	6
Aroclor-1260-4	(4)	206205103	207830825	214807128	221847076	213061100	212750246	3
Aroclor-1260-5	(5)	485216265	483370987	491130416	498849136	461100640	483933489	3
Decachlorobiphenyl		3766442770	3798929547	3925647180	4081005080	3802565400	3874917995	3
Tetrachloro-m-xylene		5125815400	5157614040	5227779180	5235220160	4600485000	5069382756	5
Aroclor-1242-1	(1)	129471703	129065633	132661290	141454628	146186400	135767931	6
Aroclor-1242-2	(2)	181117644	180316532	183263990	191612732	190980420	185458264	3
Aroclor-1242-3	(3)	100948316	100485531	102947708	108518220	114012140	105382383	5
Aroclor-1242-4	(4)	100375229	100398940	104407974	111868140	119593080	107328673	8
Aroclor-1242-5	(5)	119243844	118999972	122020908	130935164	140800680	126400114	7
Decachlorobiphenyl		3837824030	3881889067	3932164520	4142632320	3981873600	3955276707	3
Tetrachloro-m-xylene		5175637870	5056121747	5062590080	5077379040	4694060200	5013157787	4
Aroclor-1248-1	(1)	96151235	101173276	106208356	111512520	110549280	105118933	6
Aroclor-1248-2	(2)	134456241	142517627	150226096	159660040	159777460	149327493	7
Aroclor-1248-3	(3)	143332101	151082947	159714030	169070604	168858280	158411592	7
Aroclor-1248-4	(4)	168393487	177299203	184813874	193701216	188544620	182550480	5
Aroclor-1248-5	(5)	162171392	168228800	176144562	182809080	188663420	175603451	6
Decachlorobiphenyl		3812249930	3973614533	4145380680	4445118560	4295672800	4134407301	6
Tetrachloro-m-xylene		4965646150	5143987440	5236574340	5255843080	4633325600	5047075322	5
Aroclor-1254-1	(1)	245816740	256457156	269229946	279215328	303441080	270832050	8
Aroclor-1254-2	(2)	215464605	225390397	238770420	248817564	271658880	240020373	9
Aroclor-1254-3	(3)	351887512	364509791	380441060	386791796	393925500	375511132	5
Aroclor-1254-4	(4)	202983022	209924784	220508360	226093392	228876240	217677160	5
Aroclor-1254-5	(5)	301571990	312619885	327015726	332817532	339773740	322759775	5
Decachlorobiphenyl		3941299730	4071714027	4258931580	4374402200	4331619600	4195593427	4
Tetrachloro-m-xylene		5092418740	5228867107	5367266300	5227916200	4998387200	5182971109	3
Aroclor-1268-1	(1)	656711077	629047555	645909990	662020976	635929760	645923872	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	598855523	573599667	581583226	594062960	559533920	581527059	3
Aroclor-1268-3	(3)	514109640	473779721	502419092	515326152	488714860	498869893	4
Aroclor-1268-4	(4)	204541613	194882907	202546298	212150808	201074520	203039229	3
Aroclor-1268-5	(5)	1554458685	1488724905	1492118486	1500575756	1388253260	1484826218	4
Decachlorobiphenyl		7216327300	6964723040	7142803680	7406390760	7194775600	7185004076	2
Tetrachloro-m-xylene		5353757740	5060175947	5259788400	5326606440	4764065600	5152878825	5

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

Instrument ID: ECD_O **Date(s) Analyzed:** 12/06/2024 12/06/2024

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	3.93	3.83	4.03	113144000
		2	4.01	3.91	4.11	86720400
		3	4.09	3.99	4.19	254206000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.09	3.99	4.19	204770000
		2	4.59	4.49	4.69	114353000
		3	4.83	4.73	4.93	197477000
		4	5.01	4.91	5.11	108380000
		5	5.05	4.95	5.15	78329400
Aroclor-1262	500	1	6.87	6.77	6.97	658396000
		2	7.37	7.27	7.47	1111710000
		3	7.65	7.55	7.75	436856000
		4	7.72	7.62	7.82	806298000
		5	8.22	8.12	8.32	354936000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

Instrument ID: ECD_O **Date(s) Analyzed:** 12/06/2024 12/06/2024

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	3.92	3.82	4.02	62122600
		2	4.01	3.91	4.11	47445000
		3	4.08	3.98	4.18	140587000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.08	3.98	4.18	112052000
		2	4.82	4.72	4.92	105754000
		3	4.99	4.89	5.09	60347200
		4	5.08	4.98	5.18	55556400
		5	5.25	5.15	5.35	57576200
Aroclor-1262	500	1	6.84	6.74	6.94	337974000
		2	7.34	7.24	7.44	571854000
		3	7.62	7.52	7.72	224428000
		4	7.69	7.59	7.79	409588000
		5	8.18	8.08	8.28	184828000

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

Continuing Calib Date: 12/18/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

Continuing Calib Time: 14:46 **Initial Calibration Time(s):** 14:19 22:34

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)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-2	(2)	4.82	4.83	4.73	4.93	0.01
Aroclor-1016-3	(3)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-4	(4)	5.00	5.01	4.91	5.11	0.01
Aroclor-1016-5	(5)	5.26	5.27	5.17	5.37	0.01
Aroclor-1260-1	(1)	6.30	6.31	6.21	6.41	0.01
Aroclor-1260-2	(2)	6.49	6.50	6.40	6.60	0.01
Aroclor-1260-3	(3)	6.86	6.87	6.77	6.97	0.01
Aroclor-1260-4	(4)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-5	(5)	7.36	7.37	7.27	7.47	0.01
Tetrachloro-m-xylene		3.71	3.71	3.61	3.81	0.00
Decachlorobiphenyl		8.78	8.79	8.69	8.89	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

Continuing Calib Date: 12/18/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

Continuing Calib Time: 14:46 **Initial Calibration Time(s):** 14:19 22:34

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)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-2	(2)	4.81	4.82	4.72	4.92	0.01
Aroclor-1016-3	(3)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-4	(4)	5.03	5.04	4.94	5.14	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.46	6.47	6.37	6.57	0.01
Aroclor-1260-3	(3)	6.62	6.63	6.53	6.73	0.01
Aroclor-1260-4	(4)	7.09	7.10	7.00	7.20	0.01
Aroclor-1260-5	(5)	7.33	7.34	7.24	7.44	0.01
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.72	8.74	8.64	8.84	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

Client Sample No.: CCAL01 **Date Analyzed:** 12/18/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO108620.D **Time Analyzed:** 14:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.802	4.709	4.909	474.580	500.000	-5.1
Aroclor-1016-2	4.822	4.729	4.929	475.440	500.000	-4.9
Aroclor-1016-3	4.878	4.785	4.985	475.580	500.000	-4.9
Aroclor-1016-4	4.999	4.907	5.107	474.750	500.000	-5.1
Aroclor-1016-5	5.257	5.165	5.365	473.130	500.000	-5.4
Aroclor-1260-1	6.300	6.210	6.410	455.930	500.000	-8.8
Aroclor-1260-2	6.489	6.398	6.598	462.940	500.000	-7.4
Aroclor-1260-3	6.859	6.769	6.969	466.590	500.000	-6.7
Aroclor-1260-4	7.119	7.029	7.229	461.520	500.000	-7.7
Aroclor-1260-5	7.360	7.270	7.470	462.190	500.000	-7.6
Decachlorobiphenyl	8.775	8.691	8.891	44.110	50.000	-11.8
Tetrachloro-m-xylene	3.706	3.610	3.810	48.140	50.000	-3.7

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

Client Sample No.: CCAL01 **Date Analyzed:** 12/18/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO108620.D **Time Analyzed:** 14:46

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.790	4.698	4.898	530.530	500.000	6.1
Aroclor-1016-2	4.810	4.718	4.918	527.700	500.000	5.5
Aroclor-1016-3	4.986	4.894	5.094	521.780	500.000	4.4
Aroclor-1016-4	5.027	4.935	5.135	514.400	500.000	2.9
Aroclor-1016-5	5.241	5.150	5.350	524.590	500.000	4.9
Aroclor-1260-1	6.276	6.186	6.386	524.770	500.000	5.0
Aroclor-1260-2	6.462	6.373	6.573	525.150	500.000	5.0
Aroclor-1260-3	6.616	6.527	6.727	523.700	500.000	4.7
Aroclor-1260-4	7.089	7.000	7.200	541.420	500.000	8.3
Aroclor-1260-5	7.328	7.239	7.439	546.360	500.000	9.3
Decachlorobiphenyl	8.724	8.641	8.841	50.970	50.000	1.9
Tetrachloro-m-xylene	3.703	3.608	3.808	52.590	50.000	5.2

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

Continuing Calib Date: 12/18/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

Continuing Calib Time: 20:04 **Initial Calibration Time(s):** 14:19 22:34

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)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-2	(2)	4.82	4.83	4.73	4.93	0.01
Aroclor-1016-3	(3)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-4	(4)	5.00	5.01	4.91	5.11	0.01
Aroclor-1016-5	(5)	5.26	5.27	5.17	5.37	0.01
Aroclor-1260-1	(1)	6.30	6.31	6.21	6.41	0.01
Aroclor-1260-2	(2)	6.49	6.50	6.40	6.60	0.01
Aroclor-1260-3	(3)	6.86	6.87	6.77	6.97	0.01
Aroclor-1260-4	(4)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-5	(5)	7.36	7.37	7.27	7.47	0.01
Tetrachloro-m-xylene		3.71	3.71	3.61	3.81	0.00
Decachlorobiphenyl		8.78	8.79	8.69	8.89	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

Continuing Calib Date: 12/18/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

Continuing Calib Time: 20:04 **Initial Calibration Time(s):** 14:19 22:34

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)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-2	(2)	4.81	4.82	4.72	4.92	0.01
Aroclor-1016-3	(3)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-4	(4)	5.03	5.04	4.94	5.14	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.46	6.47	6.37	6.57	0.01
Aroclor-1260-3	(3)	6.62	6.63	6.53	6.73	0.01
Aroclor-1260-4	(4)	7.09	7.10	7.00	7.20	0.01
Aroclor-1260-5	(5)	7.33	7.34	7.24	7.44	0.01
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.73	8.74	8.64	8.84	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

Client Sample No.: CCAL02 **Date Analyzed:** 12/18/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO108635.D **Time Analyzed:** 20:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.803	4.709	4.909	498.640	500.000	-0.3
Aroclor-1016-2	4.823	4.729	4.929	505.570	500.000	1.1
Aroclor-1016-3	4.879	4.785	4.985	503.330	500.000	0.7
Aroclor-1016-4	5.000	4.907	5.107	503.810	500.000	0.8
Aroclor-1016-5	5.258	5.165	5.365	505.700	500.000	1.1
Aroclor-1260-1	6.301	6.210	6.410	488.870	500.000	-2.2
Aroclor-1260-2	6.490	6.398	6.598	489.350	500.000	-2.1
Aroclor-1260-3	6.859	6.769	6.969	496.430	500.000	-0.7
Aroclor-1260-4	7.119	7.029	7.229	491.890	500.000	-1.6
Aroclor-1260-5	7.360	7.270	7.470	495.310	500.000	-0.9
Decachlorobiphenyl	8.775	8.691	8.891	46.280	50.000	-7.4
Tetrachloro-m-xylene	3.706	3.610	3.810	50.760	50.000	1.5

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P5299 **SAS No.:** P5299 **SDG NO.:** P5299

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

Client Sample No.: CCAL02 **Date Analyzed:** 12/18/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO108635.D **Time Analyzed:** 20:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.791	4.698	4.898	552.620	500.000	10.5
Aroclor-1016-2	4.811	4.718	4.918	552.950	500.000	10.6
Aroclor-1016-3	4.986	4.894	5.094	541.900	500.000	8.4
Aroclor-1016-4	5.028	4.935	5.135	532.940	500.000	6.6
Aroclor-1016-5	5.242	5.150	5.350	555.680	500.000	11.1
Aroclor-1260-1	6.277	6.186	6.386	553.460	500.000	10.7
Aroclor-1260-2	6.463	6.373	6.573	552.480	500.000	10.5
Aroclor-1260-3	6.617	6.527	6.727	553.540	500.000	10.7
Aroclor-1260-4	7.089	7.000	7.200	574.670	500.000	14.9
Aroclor-1260-5	7.329	7.239	7.439	580.680	500.000	16.1
Decachlorobiphenyl	8.725	8.641	8.841	54.120	50.000	8.2
Tetrachloro-m-xylene	3.704	3.608	3.808	55.170	50.000	10.3

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Project: Amtrak Sawtooth Bridges 2024 **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 12/06/2024 12/06/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	12/06/2024	14:01	PO108361.D	8.79	3.71
AR1660ICC1000	AR1660ICC1000	12/06/2024	14:19	PO108362.D	8.79	3.71
AR1660ICC750	AR1660ICC750	12/06/2024	14:38	PO108363.D	8.79	3.71
AR1660ICC500	AR1660ICC500	12/06/2024	14:56	PO108364.D	8.79	3.71
AR1660ICC250	AR1660ICC250	12/06/2024	15:14	PO108365.D	8.79	3.71
AR1660ICC050	AR1660ICC050	12/06/2024	15:33	PO108366.D	8.79	3.71
AR1221ICC500	AR1221ICC500	12/06/2024	15:51	PO108367.D	8.79	3.71
AR1232ICC500	AR1232ICC500	12/06/2024	16:09	PO108368.D	8.79	3.71
AR1242ICC1000	AR1242ICC1000	12/06/2024	16:28	PO108369.D	8.79	3.71
AR1242ICC750	AR1242ICC750	12/06/2024	16:46	PO108370.D	8.79	3.71
AR1242ICC500	AR1242ICC500	12/06/2024	17:04	PO108371.D	8.79	3.71
AR1242ICC250	AR1242ICC250	12/06/2024	17:23	PO108372.D	8.79	3.71
AR1242ICC050	AR1242ICC050	12/06/2024	17:41	PO108373.D	8.79	3.71
AR1248ICC1000	AR1248ICC1000	12/06/2024	17:59	PO108374.D	8.79	3.71
AR1248ICC750	AR1248ICC750	12/06/2024	18:18	PO108375.D	8.79	3.71
AR1248ICC500	AR1248ICC500	12/06/2024	18:36	PO108376.D	8.79	3.71
AR1248ICC250	AR1248ICC250	12/06/2024	18:54	PO108377.D	8.79	3.71
AR1248ICC050	AR1248ICC050	12/06/2024	19:13	PO108378.D	8.79	3.71
AR1254ICC1000	AR1254ICC1000	12/06/2024	19:31	PO108379.D	8.79	3.71
AR1254ICC750	AR1254ICC750	12/06/2024	19:49	PO108380.D	8.79	3.71
AR1254ICC500	AR1254ICC500	12/06/2024	20:08	PO108381.D	8.79	3.71
AR1254ICC250	AR1254ICC250	12/06/2024	20:26	PO108382.D	8.79	3.71
AR1254ICC050	AR1254ICC050	12/06/2024	20:44	PO108383.D	8.79	3.71
AR1262ICC500	AR1262ICC500	12/06/2024	21:03	PO108384.D	8.79	3.71
AR1268ICC1000	AR1268ICC1000	12/06/2024	21:21	PO108385.D	8.79	3.71
AR1268ICC750	AR1268ICC750	12/06/2024	21:39	PO108386.D	8.79	3.71
AR1268ICC500	AR1268ICC500	12/06/2024	21:58	PO108387.D	8.79	3.71
AR1268ICC250	AR1268ICC250	12/06/2024	22:16	PO108388.D	8.79	3.71
AR1268ICC050	AR1268ICC050	12/06/2024	22:34	PO108389.D	8.79	3.71
AR1660CCC500	AR1660CCC500	12/18/2024	14:46	PO108620.D	8.78	3.71
I.BLK	I.BLK	12/18/2024	15:59	PO108624.D	8.78	3.71
PB165703BL	PB165703BL	12/18/2024	16:18	PO108625.D	8.78	3.71
PB165703BS	PB165703BS	12/18/2024	16:36	PO108626.D	8.78	3.71
SB-01	P5299-01	12/18/2024	16:54	PO108627.D	8.78	3.71
SB-02	P5299-02	12/18/2024	17:13	PO108628.D	8.78	3.71
SB-01	P5299-03	12/18/2024	17:31	PO108629.D	8.78	3.71
SB-02	P5299-04	12/18/2024	17:49	PO108630.D	8.77	3.71
OU4-VSL-07-121224MS	P5306-01MS	12/18/2024	18:26	PO108632.D	8.78	3.71
OU4-VSL-07-121224MSD	P5306-01MSD	12/18/2024	18:44	PO108633.D	8.78	3.71
AR1660CCC500	AR1660CCC500	12/18/2024	20:04	PO108635.D	8.78	3.71
I.BLK	I.BLK	12/18/2024	21:17	PO108639.D	8.78	3.71

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Project: Amtrak Sawtooth Bridges 2024 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 12/06/2024 12/06/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	12/06/2024	14:01	PO108361.D	8.74	3.71
AR1660ICC1000	AR1660ICC1000	12/06/2024	14:19	PO108362.D	8.74	3.71
AR1660ICC750	AR1660ICC750	12/06/2024	14:38	PO108363.D	8.74	3.71
AR1660ICC500	AR1660ICC500	12/06/2024	14:56	PO108364.D	8.74	3.71
AR1660ICC250	AR1660ICC250	12/06/2024	15:14	PO108365.D	8.74	3.71
AR1660ICC050	AR1660ICC050	12/06/2024	15:33	PO108366.D	8.74	3.71
AR1221ICC500	AR1221ICC500	12/06/2024	15:51	PO108367.D	8.74	3.71
AR1232ICC500	AR1232ICC500	12/06/2024	16:09	PO108368.D	8.74	3.71
AR1242ICC1000	AR1242ICC1000	12/06/2024	16:28	PO108369.D	8.74	3.71
AR1242ICC750	AR1242ICC750	12/06/2024	16:46	PO108370.D	8.74	3.71
AR1242ICC500	AR1242ICC500	12/06/2024	17:04	PO108371.D	8.74	3.71
AR1242ICC250	AR1242ICC250	12/06/2024	17:23	PO108372.D	8.74	3.71
AR1242ICC050	AR1242ICC050	12/06/2024	17:41	PO108373.D	8.74	3.71
AR1248ICC1000	AR1248ICC1000	12/06/2024	17:59	PO108374.D	8.74	3.71
AR1248ICC750	AR1248ICC750	12/06/2024	18:18	PO108375.D	8.74	3.71
AR1248ICC500	AR1248ICC500	12/06/2024	18:36	PO108376.D	8.74	3.71
AR1248ICC250	AR1248ICC250	12/06/2024	18:54	PO108377.D	8.74	3.71
AR1248ICC050	AR1248ICC050	12/06/2024	19:13	PO108378.D	8.74	3.71
AR1254ICC1000	AR1254ICC1000	12/06/2024	19:31	PO108379.D	8.74	3.71
AR1254ICC750	AR1254ICC750	12/06/2024	19:49	PO108380.D	8.74	3.71
AR1254ICC500	AR1254ICC500	12/06/2024	20:08	PO108381.D	8.74	3.71
AR1254ICC250	AR1254ICC250	12/06/2024	20:26	PO108382.D	8.74	3.71
AR1254ICC050	AR1254ICC050	12/06/2024	20:44	PO108383.D	8.74	3.71
AR1262ICC500	AR1262ICC500	12/06/2024	21:03	PO108384.D	8.74	3.71
AR1268ICC1000	AR1268ICC1000	12/06/2024	21:21	PO108385.D	8.74	3.71
AR1268ICC750	AR1268ICC750	12/06/2024	21:39	PO108386.D	8.74	3.71
AR1268ICC500	AR1268ICC500	12/06/2024	21:58	PO108387.D	8.74	3.71
AR1268ICC250	AR1268ICC250	12/06/2024	22:16	PO108388.D	8.74	3.71
AR1268ICC050	AR1268ICC050	12/06/2024	22:34	PO108389.D	8.74	3.71
AR1660CCC500	AR1660CCC500	12/18/2024	14:46	PO108620.D	8.72	3.70
I.BLK	I.BLK	12/18/2024	15:59	PO108624.D	8.73	3.70
PB165703BL	PB165703BL	12/18/2024	16:18	PO108625.D	8.73	3.70
PB165703BS	PB165703BS	12/18/2024	16:36	PO108626.D	8.73	3.70
SB-01	P5299-01	12/18/2024	16:54	PO108627.D	8.73	3.70
SB-02	P5299-02	12/18/2024	17:13	PO108628.D	8.73	3.70
SB-01	P5299-03	12/18/2024	17:31	PO108629.D	8.73	3.70
SB-02	P5299-04	12/18/2024	17:49	PO108630.D	8.73	3.70
OU4-VSL-07-121224MS	P5306-01MS	12/18/2024	18:26	PO108632.D	8.73	3.70
OU4-VSL-07-121224MSD	P5306-01MSD	12/18/2024	18:44	PO108633.D	8.73	3.70
AR1660CCC500	AR1660CCC500	12/18/2024	20:04	PO108635.D	8.73	3.70
I.BLK	I.BLK	12/18/2024	21:17	PO108639.D	8.73	3.70

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB165703BS

Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

Lab Sample ID: PB165703BS Date(s) Analyzed: 12/18/2024 12/18/2024

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

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

Data file PO108626.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.803	4.753	4.853	147		
	2	4.823	4.773	4.873	150		
	3	4.878	4.828	4.928	147		
COLUMN 1	4	5	4.95	5.05	147		
	5	5.258	5.208	5.308	142	147	
	1	4.791	4.741	4.841	161		
	2	4.81	4.76	4.86	163		
	3	4.986	4.936	5.036	159		
	4	5.027	4.977	5.077	157		
COLUMN 2	5	5.241	5.191	5.291	154	159	7.84
Aroclor-1260	1	6.301	6.251	6.351	150		
	2	6.49	6.44	6.54	153		
	3	6.858	6.808	6.908	131		
COLUMN 1	4	7.119	7.069	7.169	133		
	5	7.361	7.311	7.411	135	141	
	1	6.276	6.226	6.326	170		
	2	6.462	6.412	6.512	171		
	3	6.616	6.566	6.666	171		
	4	7.089	7.039	7.139	154		
COLUMN 2	5	7.328	7.278	7.378	157	165	15.69

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-VSL-07-121224MS

Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

Lab Sample ID: P5306-01MS Date(s) Analyzed: 12/18/2024 12/18/2024

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

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

Data file PO108632.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.804	4.754	4.854	223		
	2	4.823	4.773	4.873	225		
	3	4.879	4.829	4.929	220		
COLUMN 1	4	5	4.95	5.05	220		
	5	5.258	5.208	5.308	210	220	
	1	4.791	4.741	4.841	245		
	2	4.811	4.761	4.861	249		
	3	4.987	4.937	5.037	240		
	4	5.028	4.978	5.078	230		
COLUMN 2	5	5.242	5.192	5.292	230	239	8.28
Aroclor-1260	1	6.302	6.252	6.352	214		
	2	6.491	6.441	6.541	224		
	3	6.86	6.81	6.91	200		
COLUMN 1	4	7.12	7.07	7.17	187		
	5	7.361	7.311	7.411	200	205	
	1	6.276	6.226	6.326	243		
	2	6.463	6.413	6.513	258		
	3	6.617	6.567	6.667	246		
	4	7.089	7.039	7.139	220		
COLUMN 2	5	7.329	7.279	7.379	241	242	16.55

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

OU4-VSL-07-121224MSD

Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

Lab Sample ID: P5306-01MSD Date(s) Analyzed: 12/18/2024 12/18/2024

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

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

Data file PO108633.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.803	4.753	4.853	209		
	2	4.823	4.773	4.873	213		
	3	4.878	4.828	4.928	212		
COLUMN 1	4	5	4.95	5.05	211		
	5	5.258	5.208	5.308	204	210	
	1	4.791	4.741	4.841	233		
	2	4.811	4.761	4.861	235		
	3	4.987	4.937	5.037	230		
	4	5.028	4.978	5.078	223		
COLUMN 2	5	5.242	5.192	5.292	224	229	8.66
Aroclor-1260	1	6.302	6.252	6.352	204		
	2	6.49	6.44	6.54	201		
	3	6.859	6.809	6.909	173		
COLUMN 1	4	7.119	7.069	7.169	178		
	5	7.361	7.311	7.411	178	187	
	1	6.276	6.226	6.326	230		
	2	6.463	6.413	6.513	226		
	3	6.617	6.567	6.667	229		
	4	7.09	7.04	7.14	206		
COLUMN 2	5	7.328	7.278	7.378	208	220	16.22

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108627.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:54
Operator : YP/AJ
Sample : P5299-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SB-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:50:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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...	3.706	3.703	188.1E6	115.0E6	21.616	22.678
2)	SA Decachlor...	8.775	8.725	138.6E6	84766152	18.971	21.876
	Target Compounds						

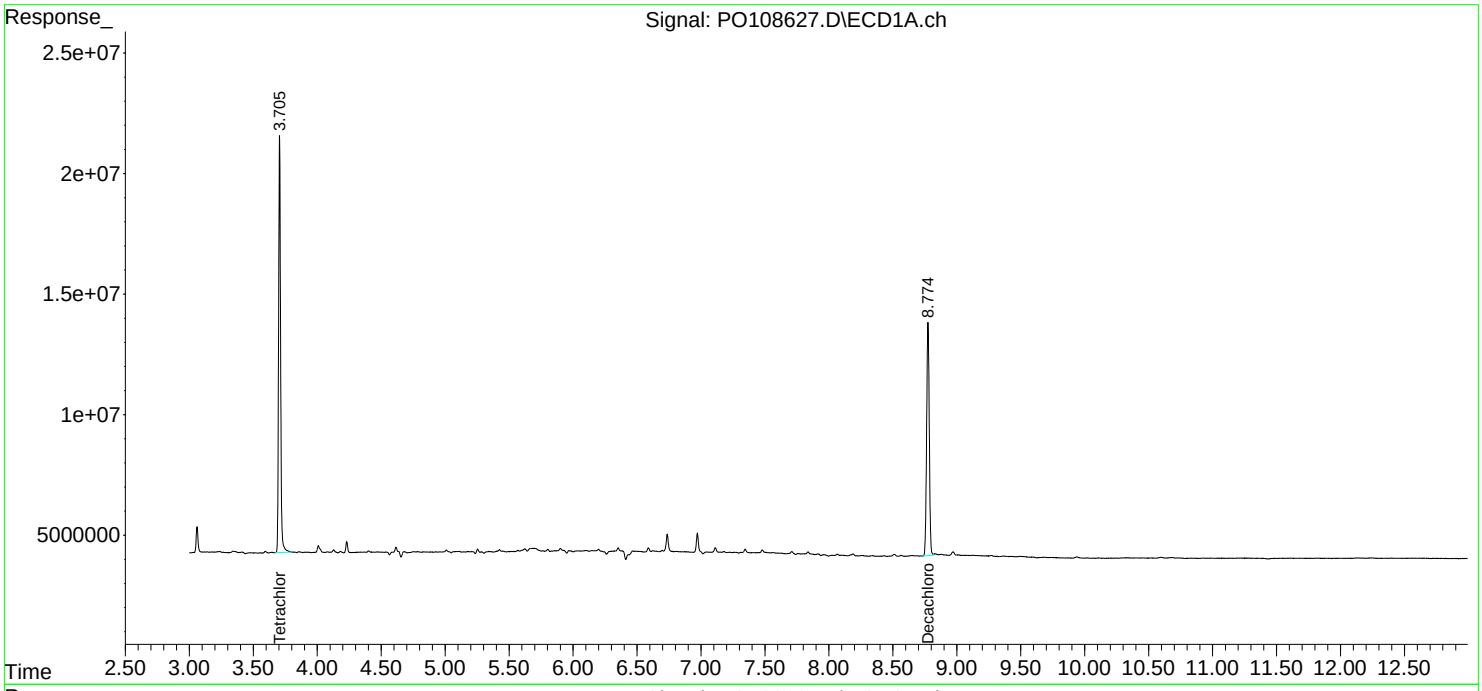
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

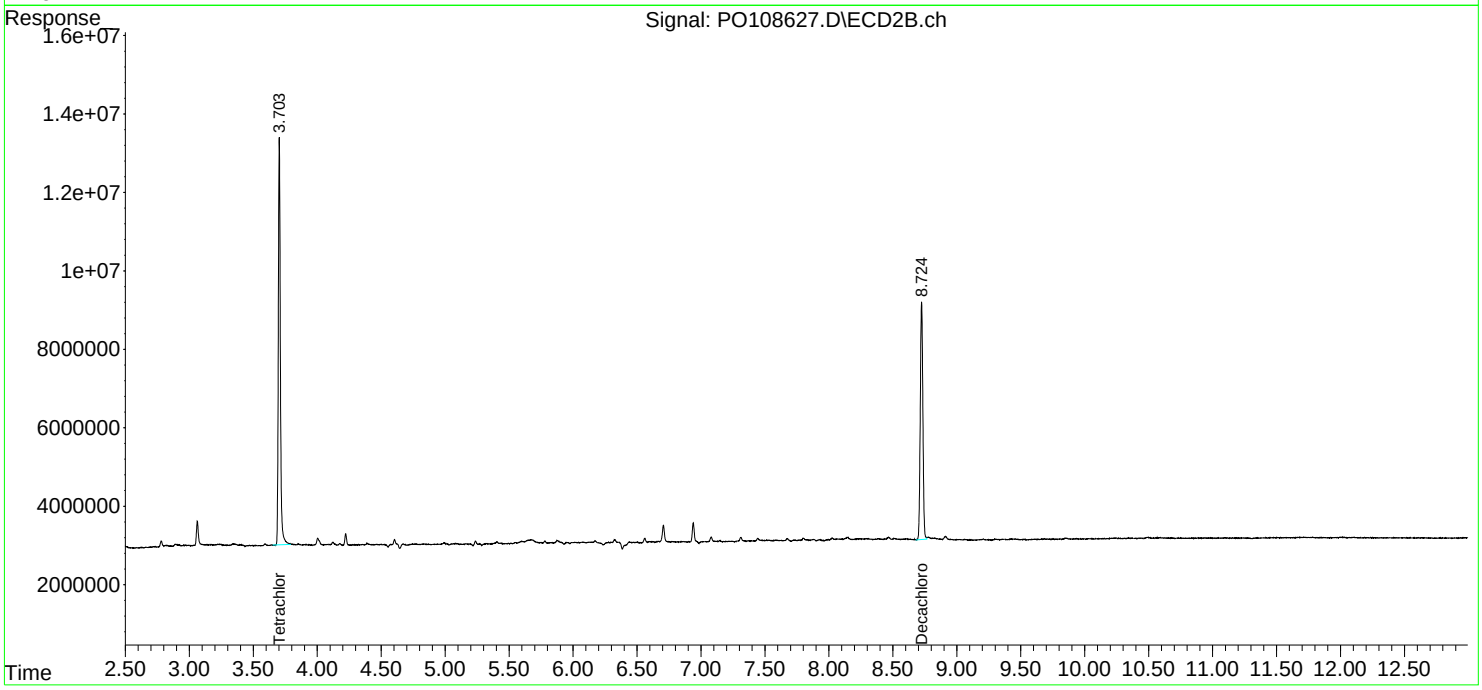
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108627.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:54
Operator : YP/AJ
Sample : P5299-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

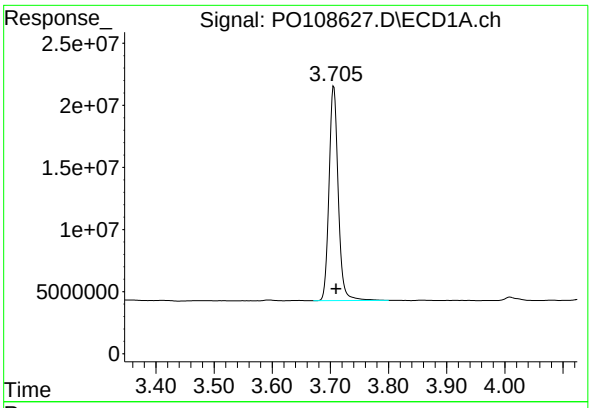
Instrument :
ECD_O
ClientSampleId :
SB-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:50:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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



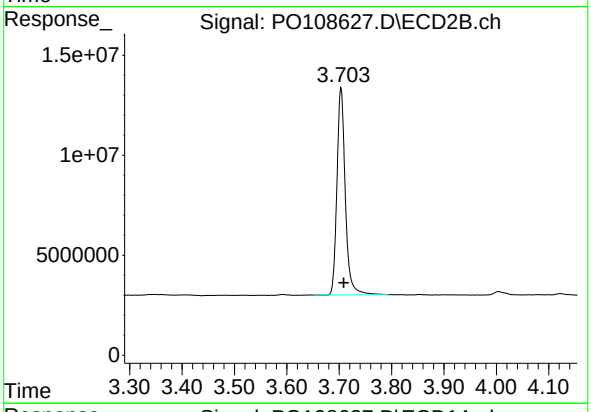




#1 Tetrachloro-m-xylene

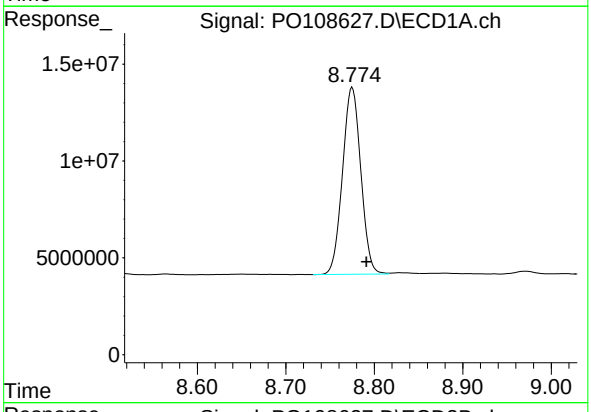
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 188062769
Conc: 21.62 ng/ml

Instrument :
ECD_O
ClientSampleId :
SB-01



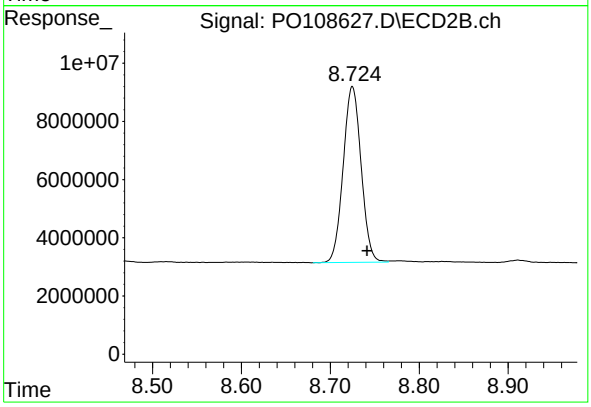
#1 Tetrachloro-m-xylene

R.T.: 3.703 min
Delta R.T.: -0.005 min
Response: 114964766
Conc: 22.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 138564228
Conc: 18.97 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.017 min
Response: 84766152
Conc: 21.88 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:13
Operator : YP/AJ
Sample : P5299-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SB-02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:50:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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...	3.706	3.703	184.1E6	112.9E6	21.161	22.262
2)	SA Decachlor...	8.775	8.725	137.7E6	84602236	18.859	21.833
	Target Compounds						

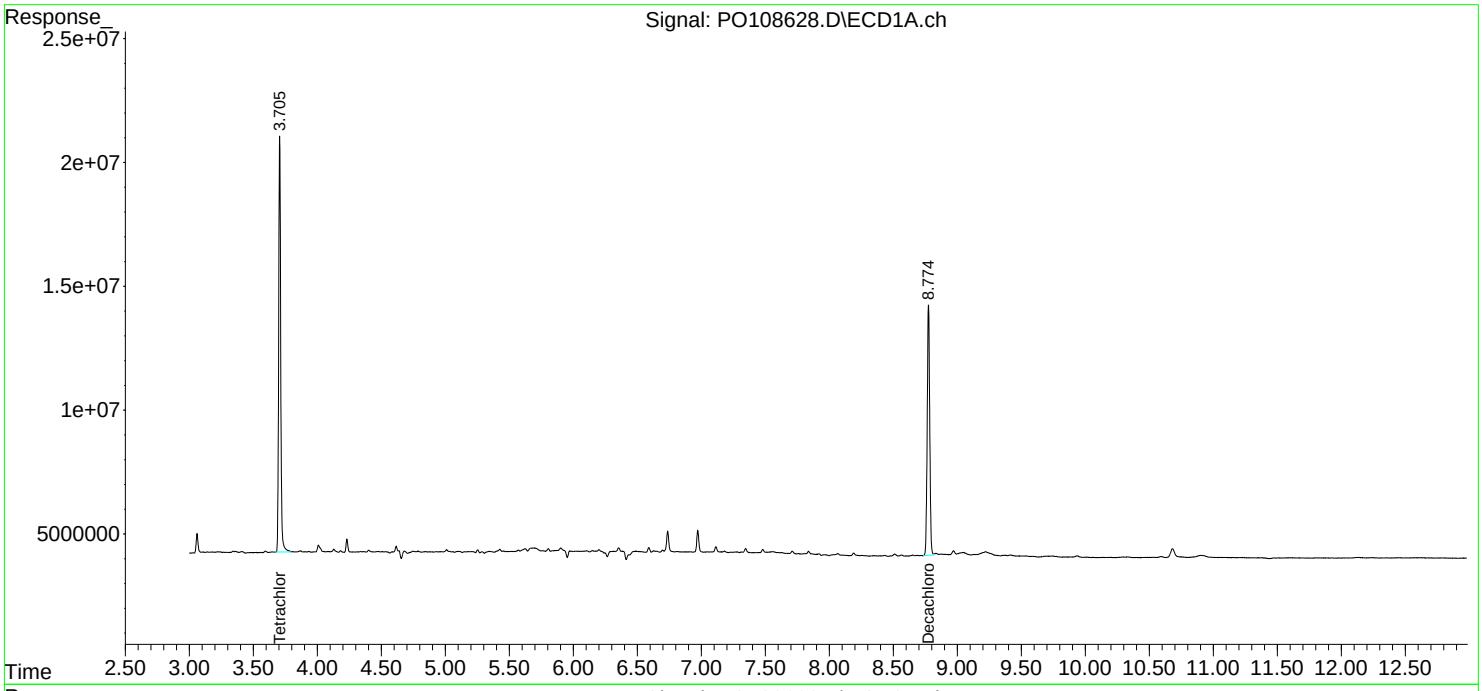
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

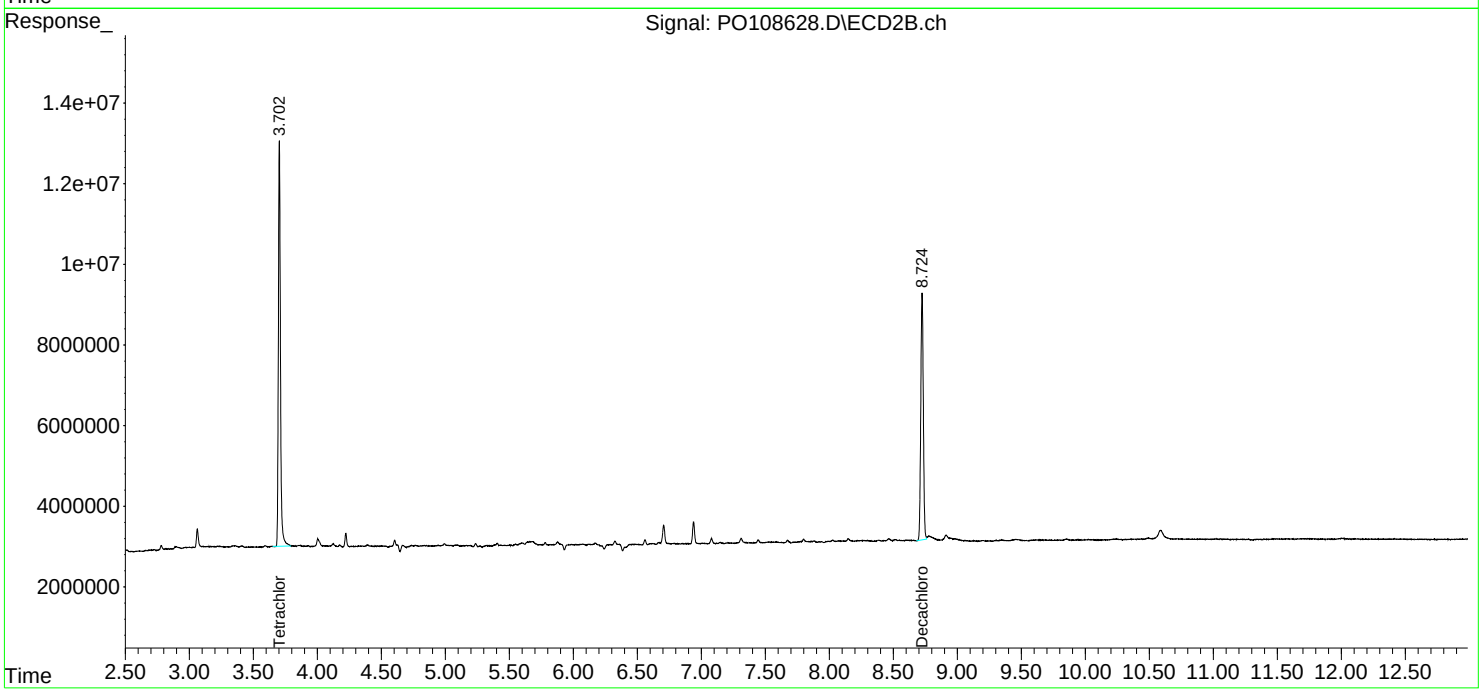
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108628.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:13
Operator : YP/AJ
Sample : P5299-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

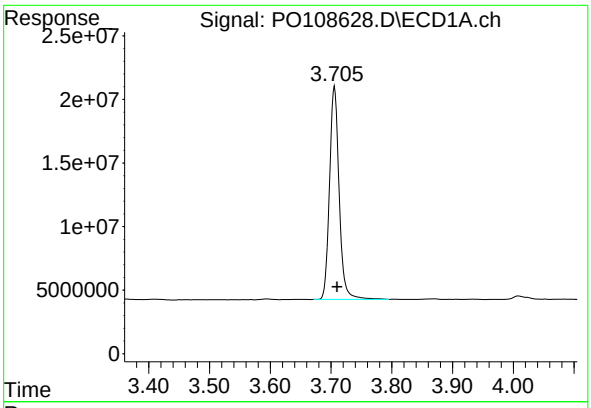
Instrument :
ECD_O
ClientSampleId :
SB-02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:50:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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



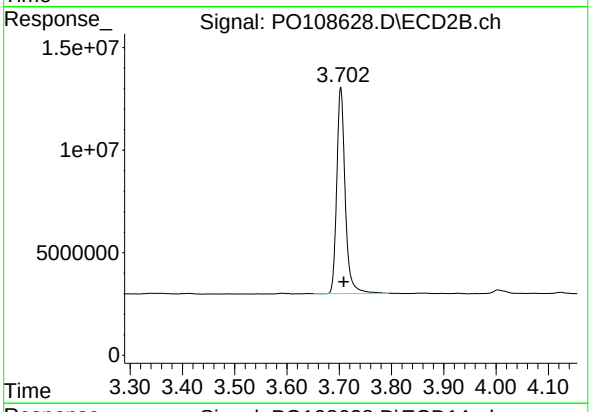




#1 Tetrachloro-m-xylene

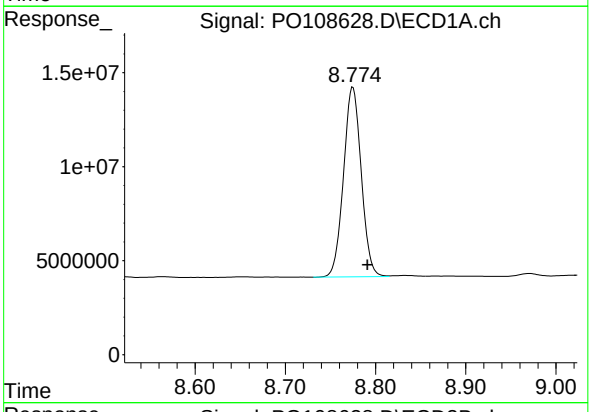
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 184102976
Conc: 21.16 ng/ml

Instrument :
ECD_O
ClientSampleId :
SB-02



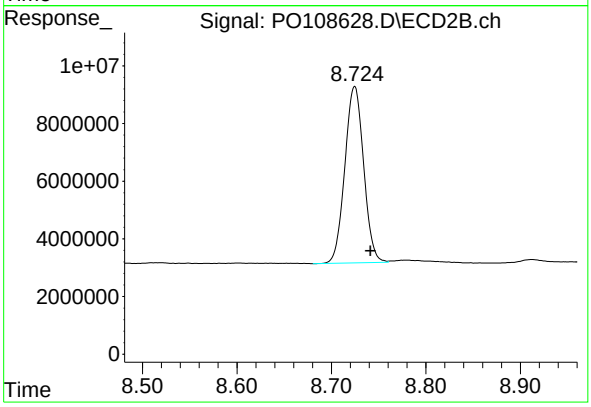
#1 Tetrachloro-m-xylene

R.T.: 3.703 min
Delta R.T.: -0.005 min
Response: 112856589
Conc: 22.26 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.775 min
Delta R.T.: -0.016 min
Response: 137748934
Conc: 18.86 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.017 min
Response: 84602236
Conc: 21.83 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:31
Operator : YP/AJ
Sample : P5299-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SB-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:50:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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...	3.706	3.704	172.1E6	105.3E6	19.777	20.771
2)	SA Decachlor...	8.777	8.725	111.2E6	67827390	15.219	17.504
	Target Compounds						

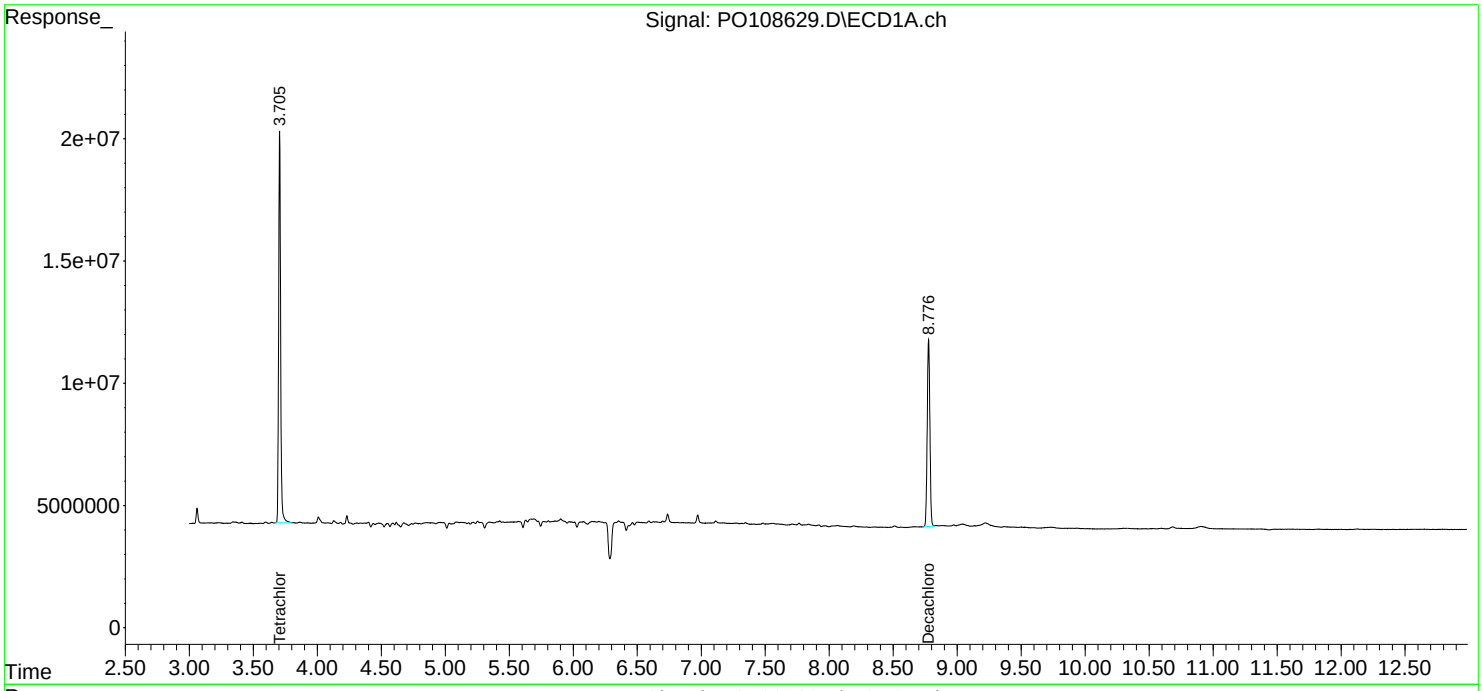
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

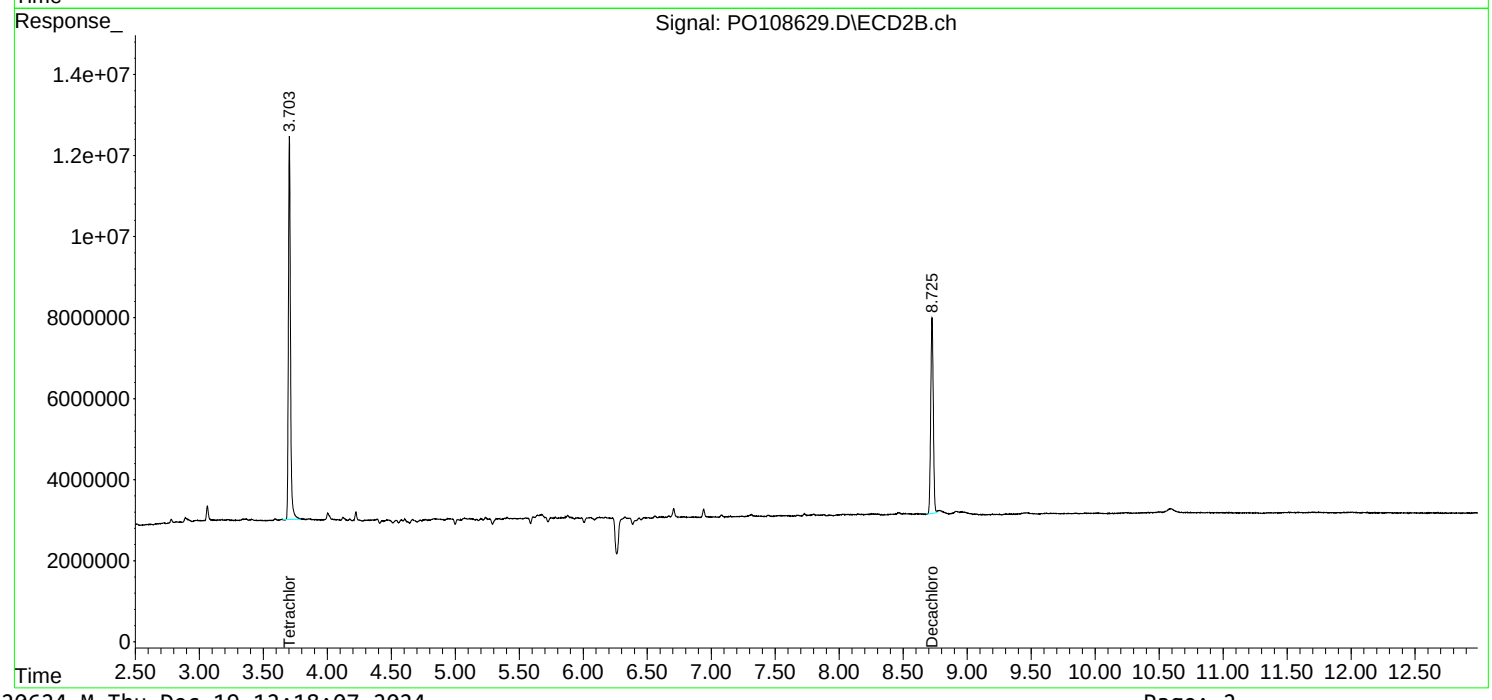
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108629.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:31
Operator : YP/AJ
Sample : P5299-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

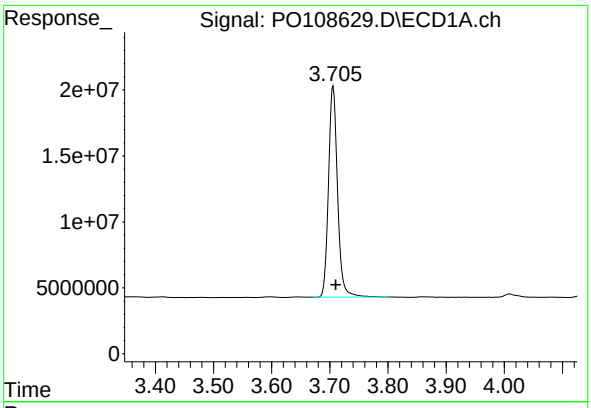
Instrument :
ECD_O
ClientSampleId :
SB-01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:50:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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



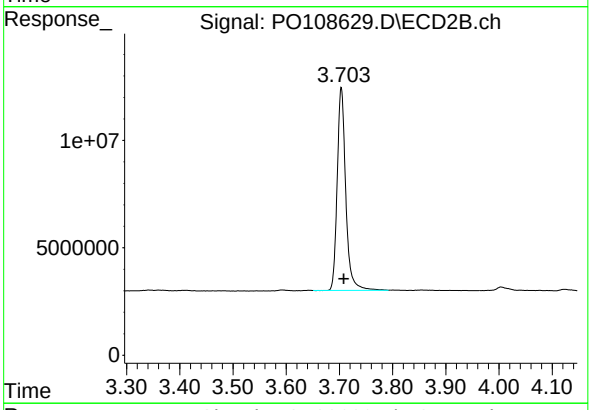




#1 Tetrachloro-m-xylene

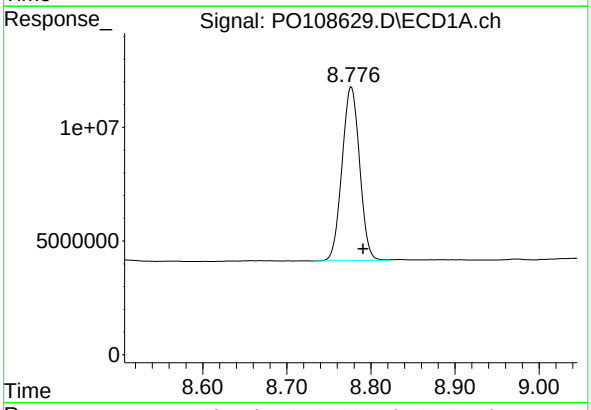
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 172062436
Conc: 19.78 ng/ml

Instrument :
ECD_O
ClientSampleId :
SB-01



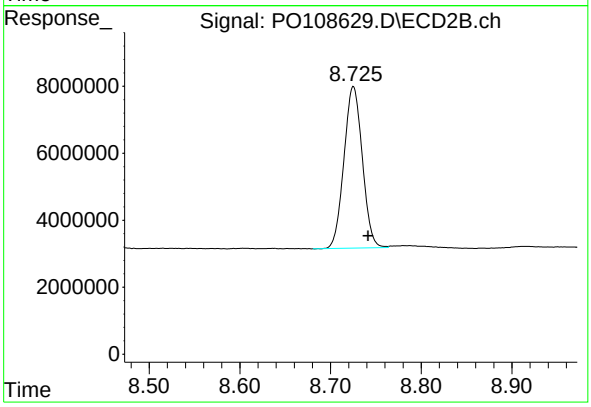
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 105296369
Conc: 20.77 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.777 min
Delta R.T.: -0.014 min
Response: 111162704
Conc: 15.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.016 min
Response: 67827390
Conc: 17.50 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:49
Operator : YP/AJ
Sample : P5299-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SB-02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:51:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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...	3.706	3.704	172.0E6	104.8E6	19.775	20.682
2)	SA Decachlor...	8.774	8.725	124.7E6	76430467	17.070	19.724
	Target Compounds						

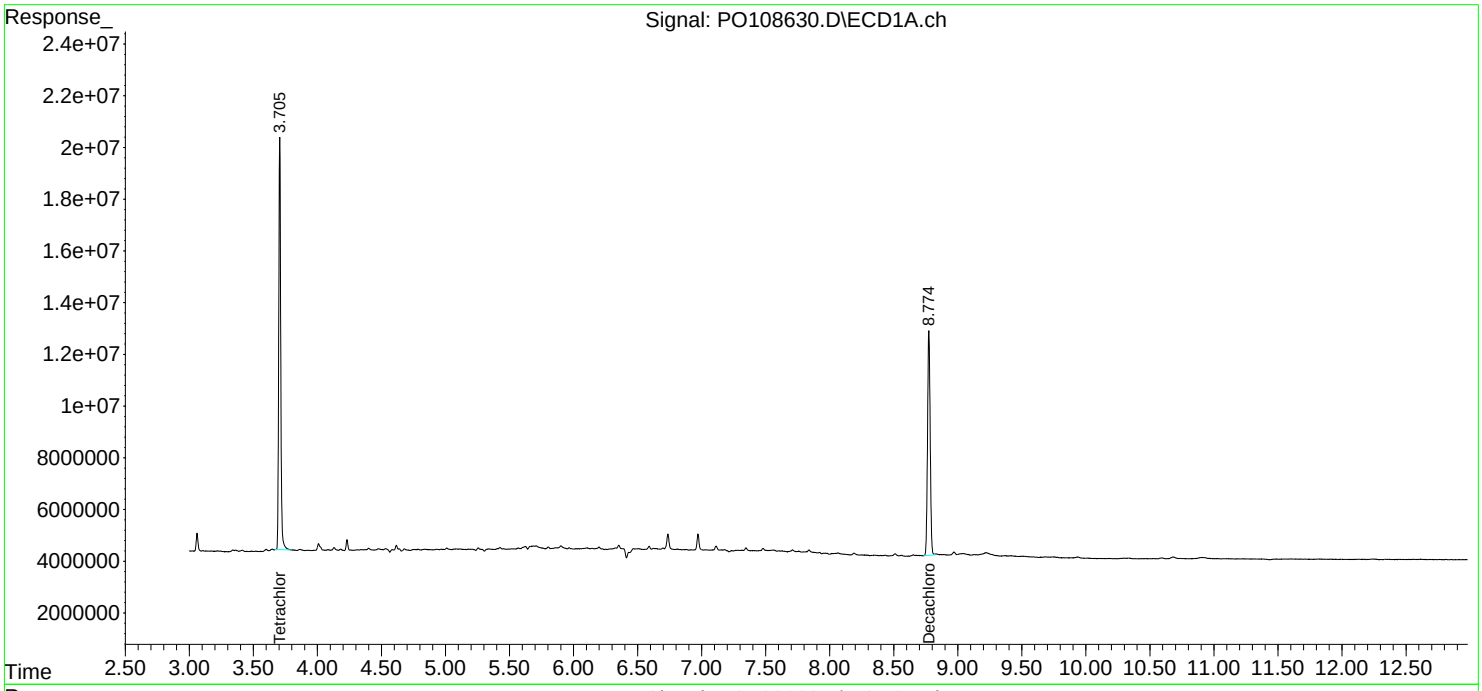
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

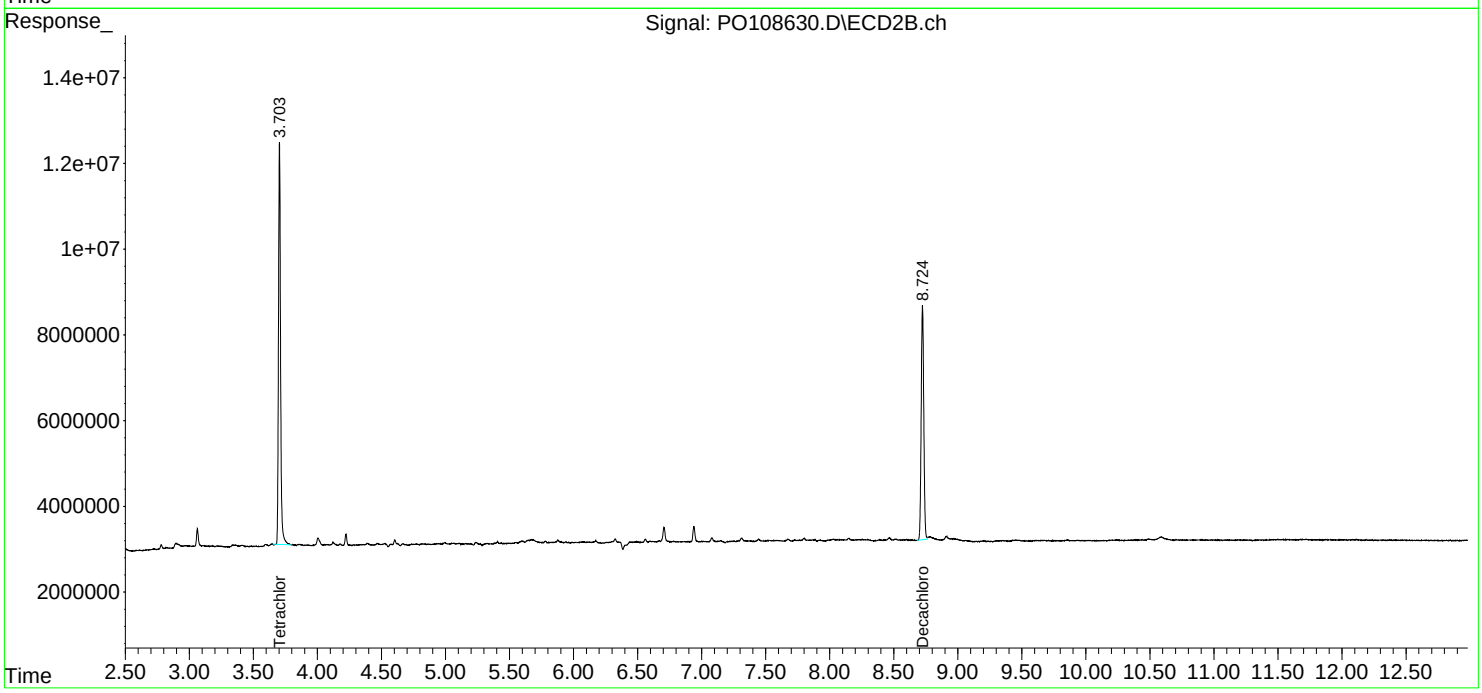
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108630.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 17:49
Operator : YP/AJ
Sample : P5299-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

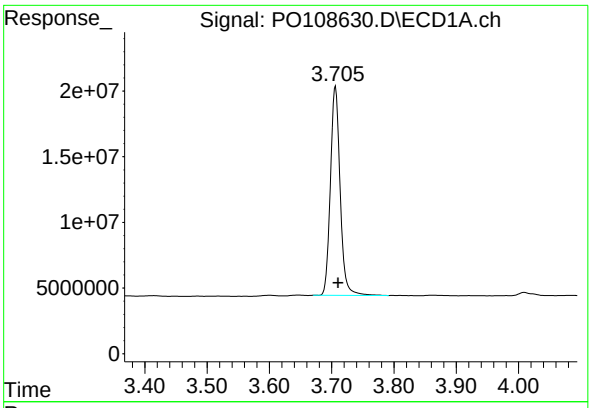
Instrument :
ECD_O
ClientSampleId :
SB-02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:51:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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



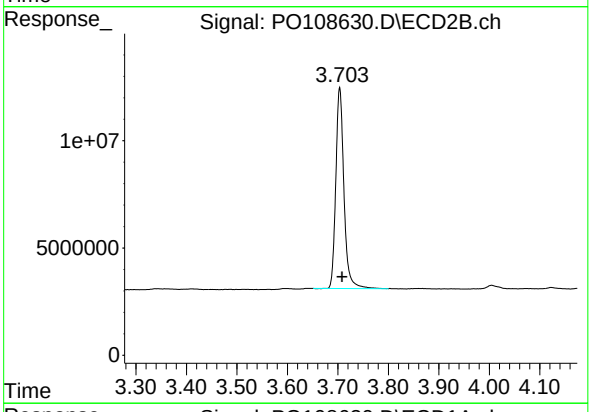




#1 Tetrachloro-m-xylene

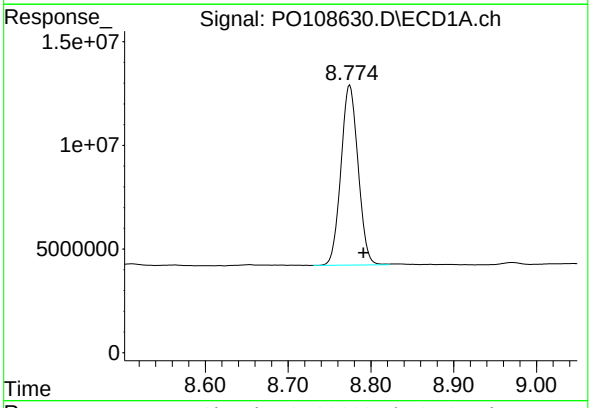
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 172043007
Conc: 19.77 ng/ml

Instrument :
ECD_O
ClientSampleId :
SB-02



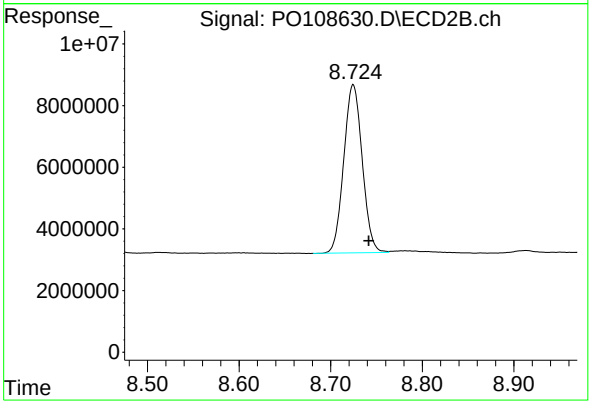
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 104845758
Conc: 20.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.774 min
Delta R.T.: -0.016 min
Response: 124684246
Conc: 17.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.017 min
Response: 76430467
Conc: 19.72 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108625.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:18
Operator : YP/AJ
Sample : PB165703BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165703BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:49:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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...	3.706	3.704	164.1E6	98982322	18.860	19.526
2)	SA Decachlor...	8.776	8.725	140.0E6	85340656	19.173	22.024
	Target Compounds						

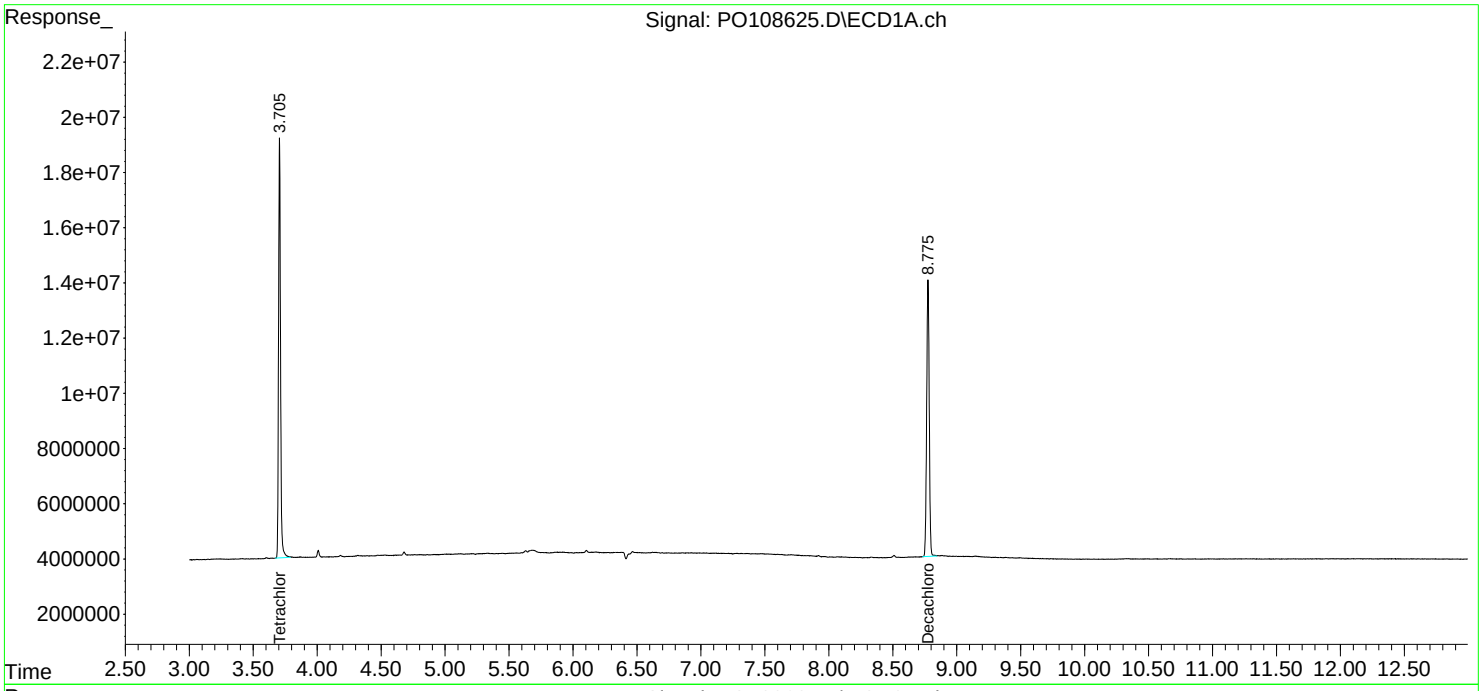
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

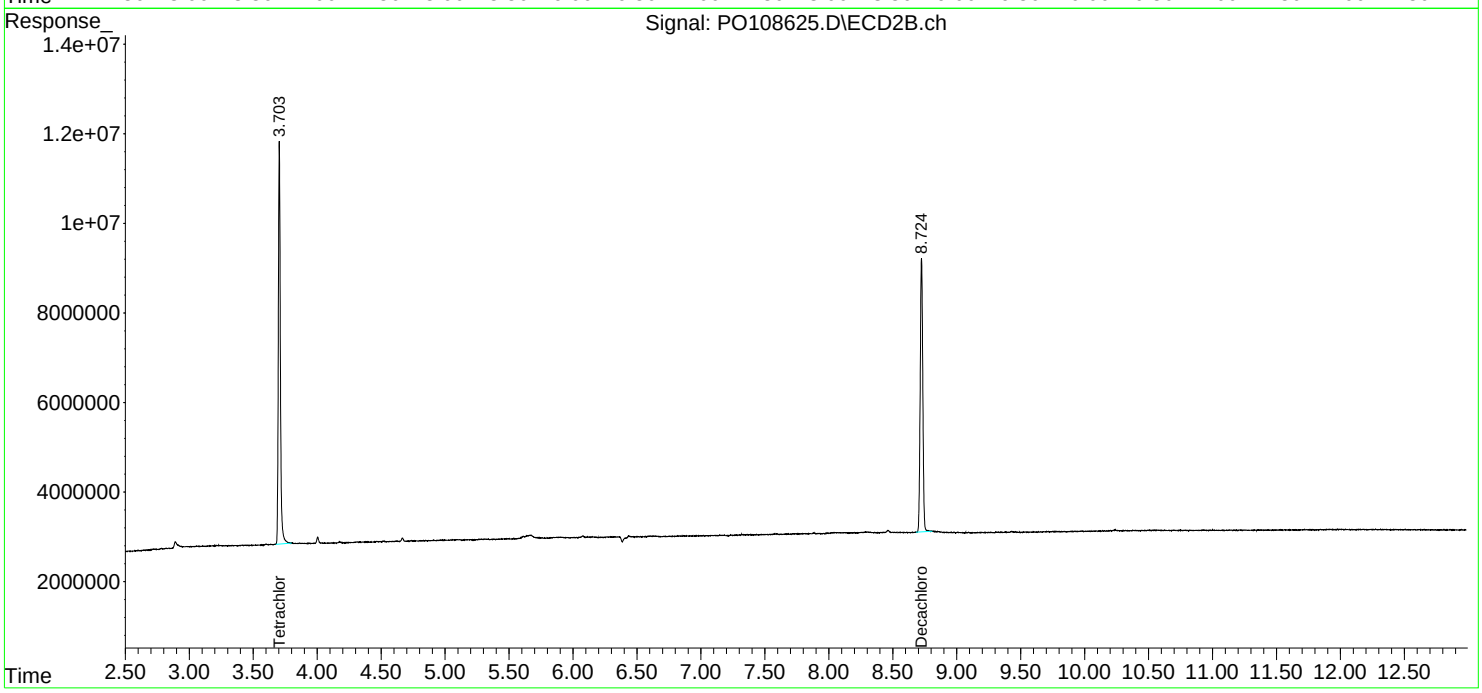
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108625.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:18
Operator : YP/AJ
Sample : PB165703BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

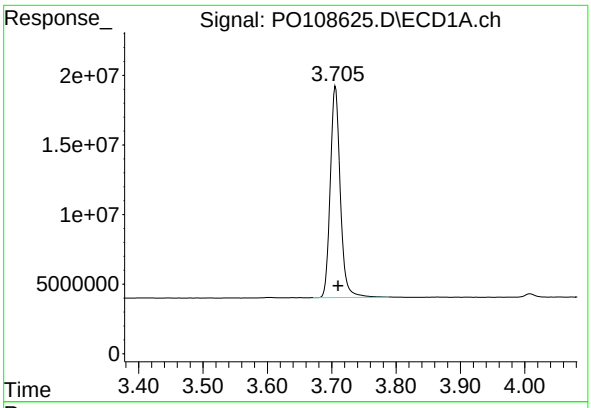
Instrument :
ECD_O
ClientSampleId :
PB165703BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:49:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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



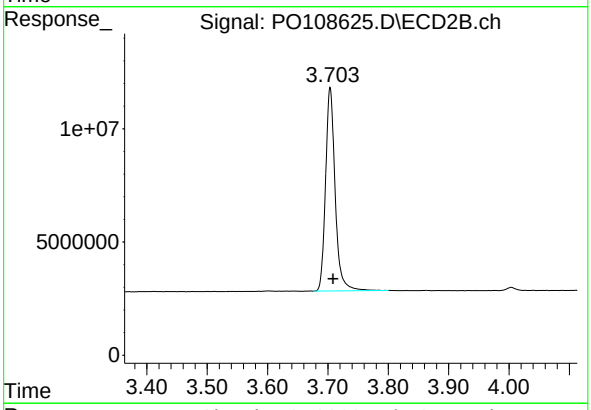




#1 Tetrachloro-m-xylene

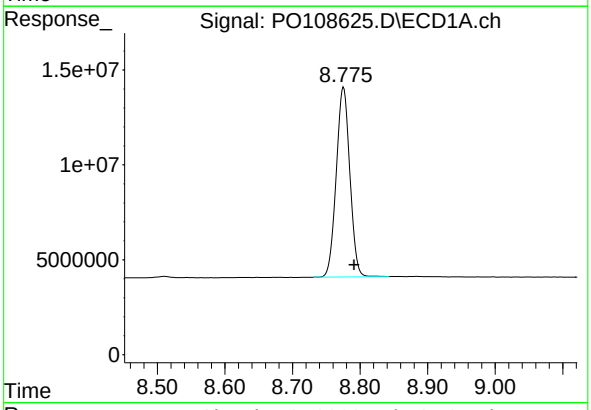
R.T.: 3.706 min
Delta R.T.: -0.004 min
Response: 164082142
Conc: 18.86 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165703BL



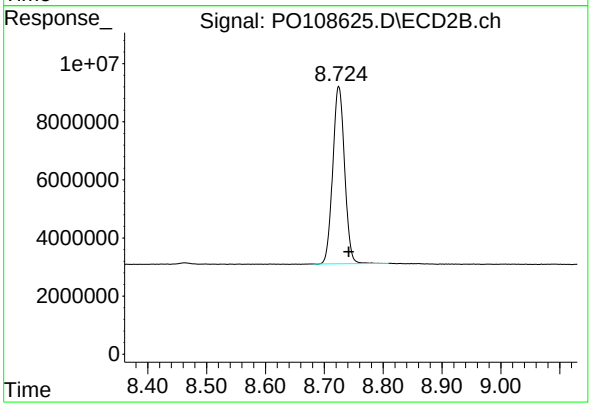
#1 Tetrachloro-m-xylene

R.T.: 3.704 min
Delta R.T.: -0.005 min
Response: 98982322
Conc: 19.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.776 min
Delta R.T.: -0.015 min
Response: 140044599
Conc: 19.17 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.725 min
Delta R.T.: -0.017 min
Response: 85340656
Conc: 22.02 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108626.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:36
Operator : YP/AJ
Sample : PB165703BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165703BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:49:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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...	3.706	3.704	154.3E6	93096265	17.737	18.364
2)	SA Decachlor...	8.775	8.725	140.7E6	86577818	19.263	22.343
	Target Compounds						
3)	L1 AR-1016-1	4.803	4.791	136.0E6	77798893	441.051	484.806
4)	L1 AR-1016-2	4.823	4.810	187.8E6	108.7E6	449.913	489.289
5)	L1 AR-1016-3	4.878	4.986	128.9E6	60025100	440.619	477.020
6)	L1 AR-1016-4	5.000	5.027	101.9E6	49552079	440.715	472.799
7)	L1 AR-1016-5	5.258	5.241	107.5E6	62564735	427.252	462.719
31)	L7 AR-1260-1	6.301	6.276	206.5E6	119.1E6	451.755	509.079
32)	L7 AR-1260-2	6.490	6.462	255.4E6	144.4E6	459.667	514.713
33)	L7 AR-1260-3	6.858	6.616	181.9E6	135.1E6	392.381	512.425 #
34)	L7 AR-1260-4	7.119	7.089	170.3E6	98041604	400.446	460.830
35)	L7 AR-1260-5	7.361	7.328	394.2E6	228.5E6	405.568	472.201

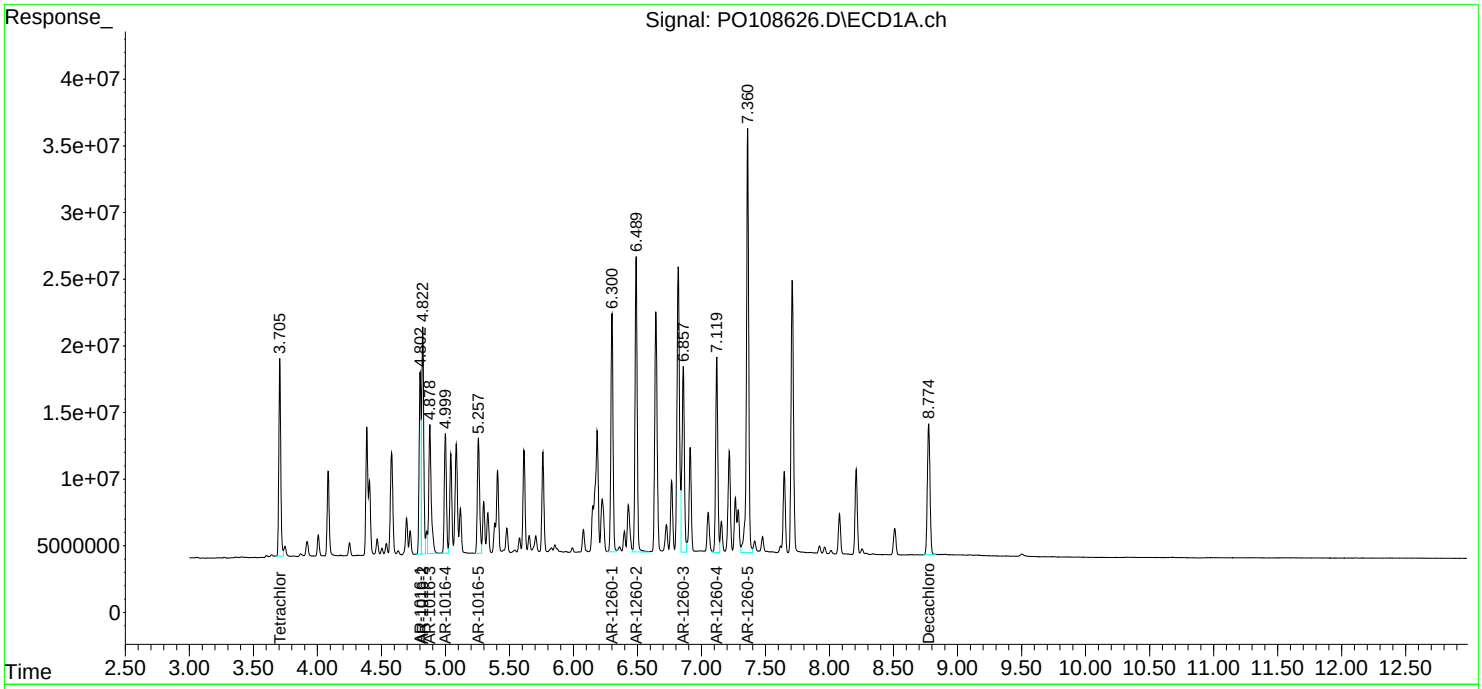
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

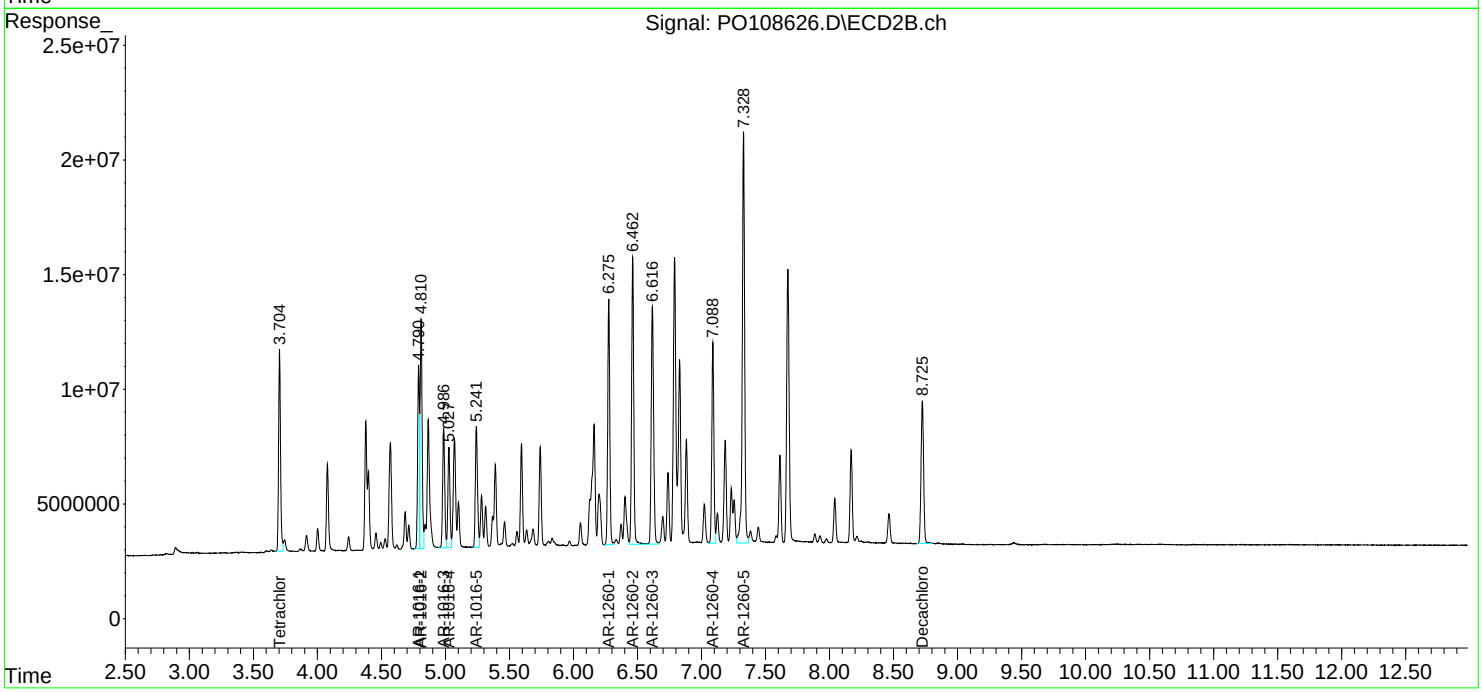
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108626.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 16:36
Operator : YP/AJ
Sample : PB165703BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165703BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:49:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108632.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:26
Operator : YP/AJ
Sample : P5306-01MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:51:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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...	3.706	3.704	195.3E6	116.9E6	22.447	23.062
2)	SA Decachlor...	8.776	8.725	174.0E6	106.1E6	23.818	27.382
	Target Compounds						
3)	L1 AR-1016-1	4.804	4.791	187.2E6	107.2E6	607.010	668.195
4)	L1 AR-1016-2	4.823	4.811	256.3E6	151.1E6	613.985	680.122
5)	L1 AR-1016-3	4.879	4.987	175.7E6	82319704	600.572	654.195
6)	L1 AR-1016-4	5.000	5.028	138.7E6	65673196	599.939	626.617
7)	L1 AR-1016-5	5.258	5.242	144.3E6	84750933	573.556	626.805
31)	L7 AR-1260-1	6.302	6.276	266.9E6	155.1E6	583.859	662.701
32)	L7 AR-1260-2	6.491	6.463	340.3E6	197.5E6	612.355	703.933
33)	L7 AR-1260-3	6.860	6.617	253.5E6	176.9E6	546.711	671.295
34)	L7 AR-1260-4	7.120	7.089	216.8E6	127.6E6	509.600	599.953
35)	L7 AR-1260-5	7.361	7.329	530.8E6	318.5E6	546.198	658.194

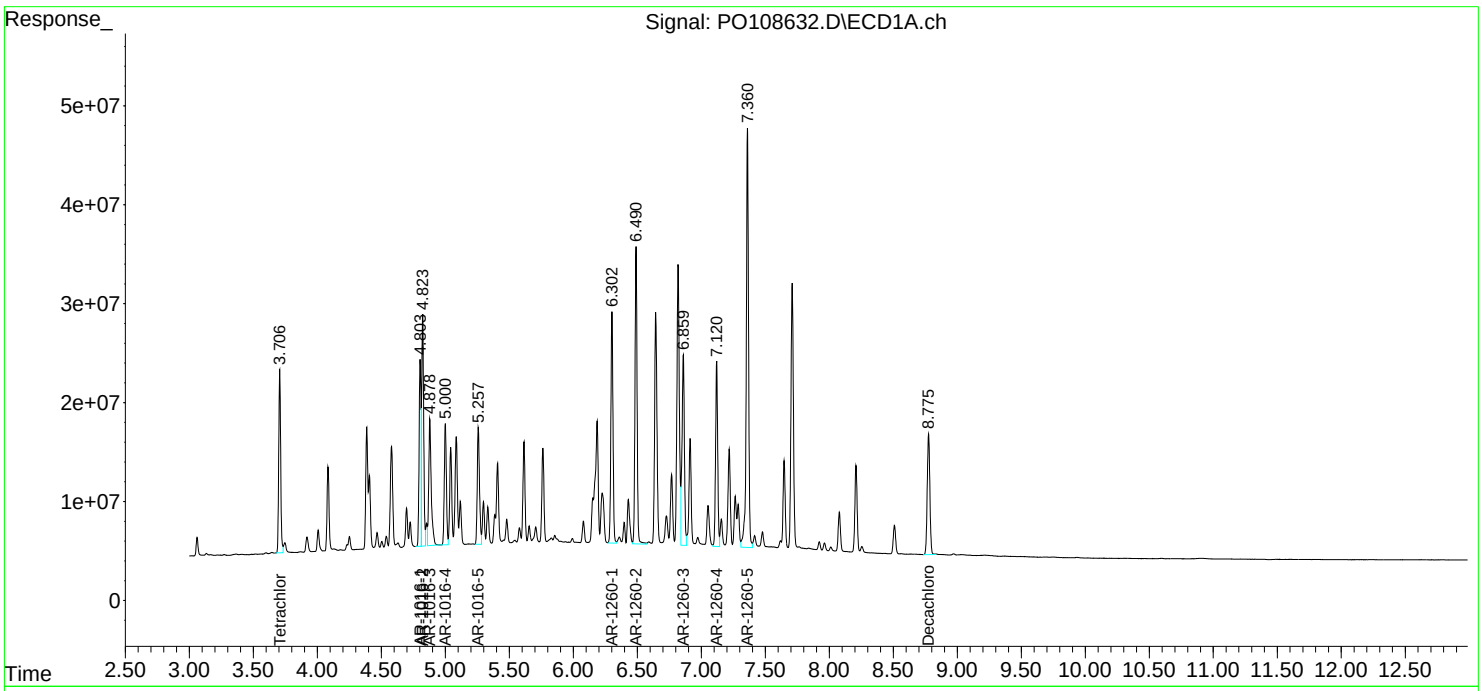
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

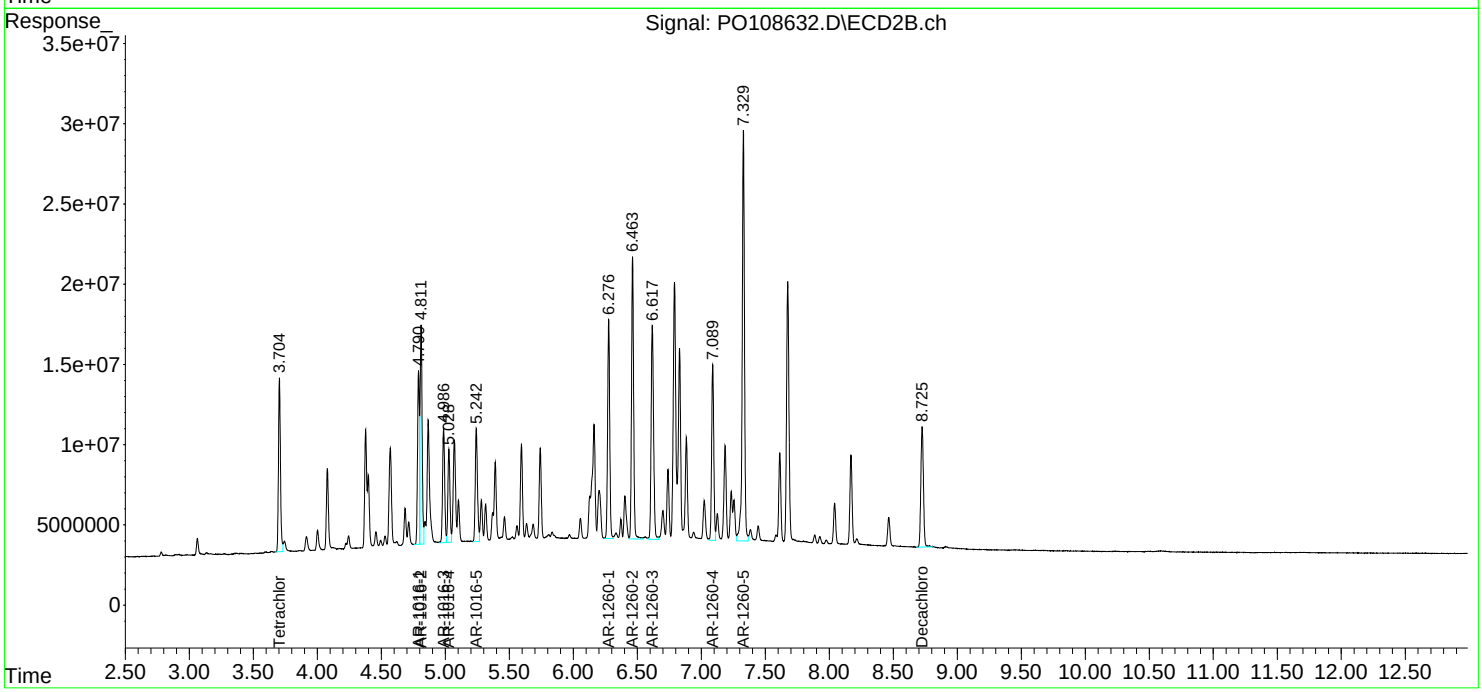
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108632.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:26
Operator : YP/AJ
Sample : P5306-01MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:51:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108633.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:44
Operator : YP/AJ
Sample : P5306-01MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:52:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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...	3.706	3.704	195.6E6	118.2E6	22.483	23.312	
2)	SA Decachlor...	8.775	8.726	150.5E6	92542473	20.608	23.882	
	Target Compounds							
3)	L1 AR-1016-1	4.803	4.791	176.3E6	101.9E6	571.604	635.182	
4)	L1 AR-1016-2	4.823	4.811	243.0E6	142.7E6	582.094	642.320	
5)	L1 AR-1016-3	4.878	4.987	169.0E6	79085704	577.669	628.494	
6)	L1 AR-1016-4	5.000	5.028	132.9E6	63780800	574.965	608.561	
7)	L1 AR-1016-5	5.258	5.242	140.1E6	82623322	556.485	611.069	
31)	L7 AR-1260-1	6.302	6.276	254.9E6	146.9E6	557.539	627.713	
32)	L7 AR-1260-2	6.490	6.463	305.1E6	173.2E6	548.960	617.180	
33)	L7 AR-1260-3	6.859	6.617	219.5E6	164.4E6	473.396	623.685	#
34)	L7 AR-1260-4	7.119	7.090	206.3E6	119.7E6	485.116	562.688	
35)	L7 AR-1260-5	7.361	7.328	473.4E6	274.8E6	487.127	567.933	

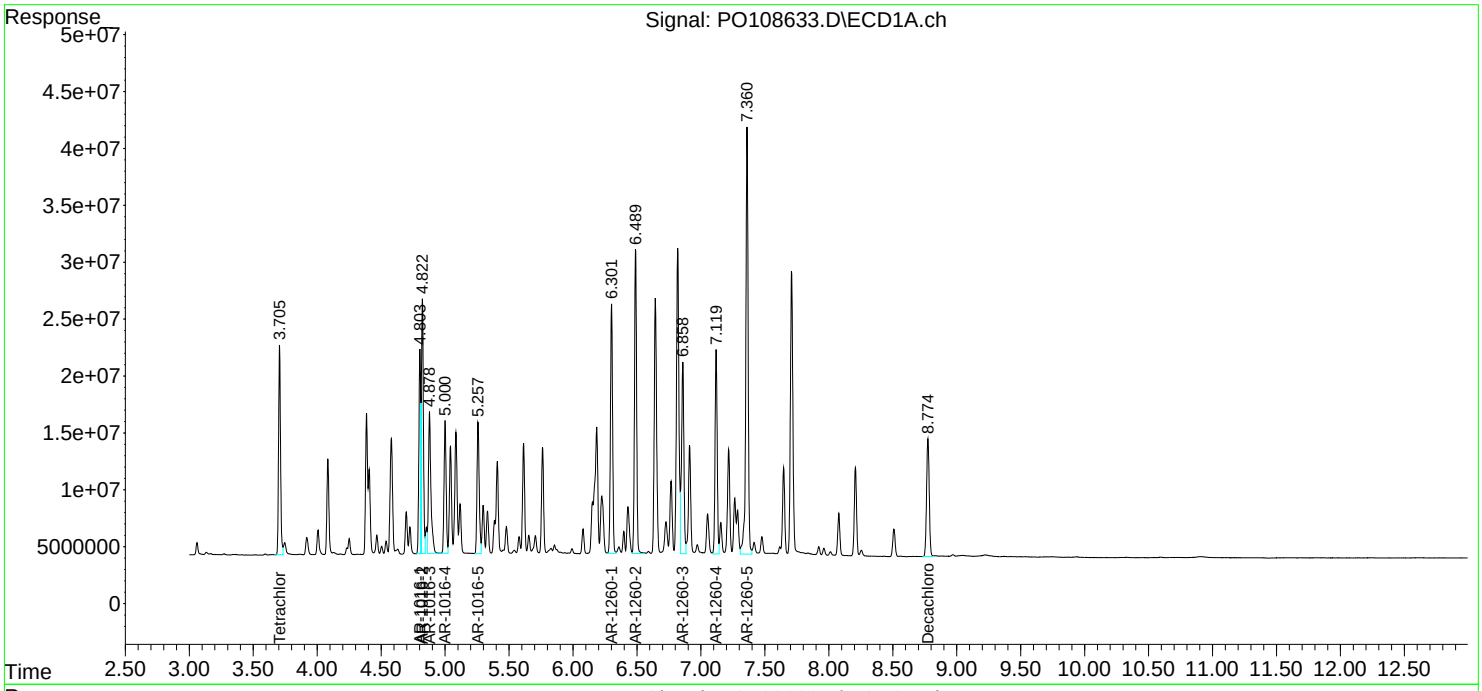
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

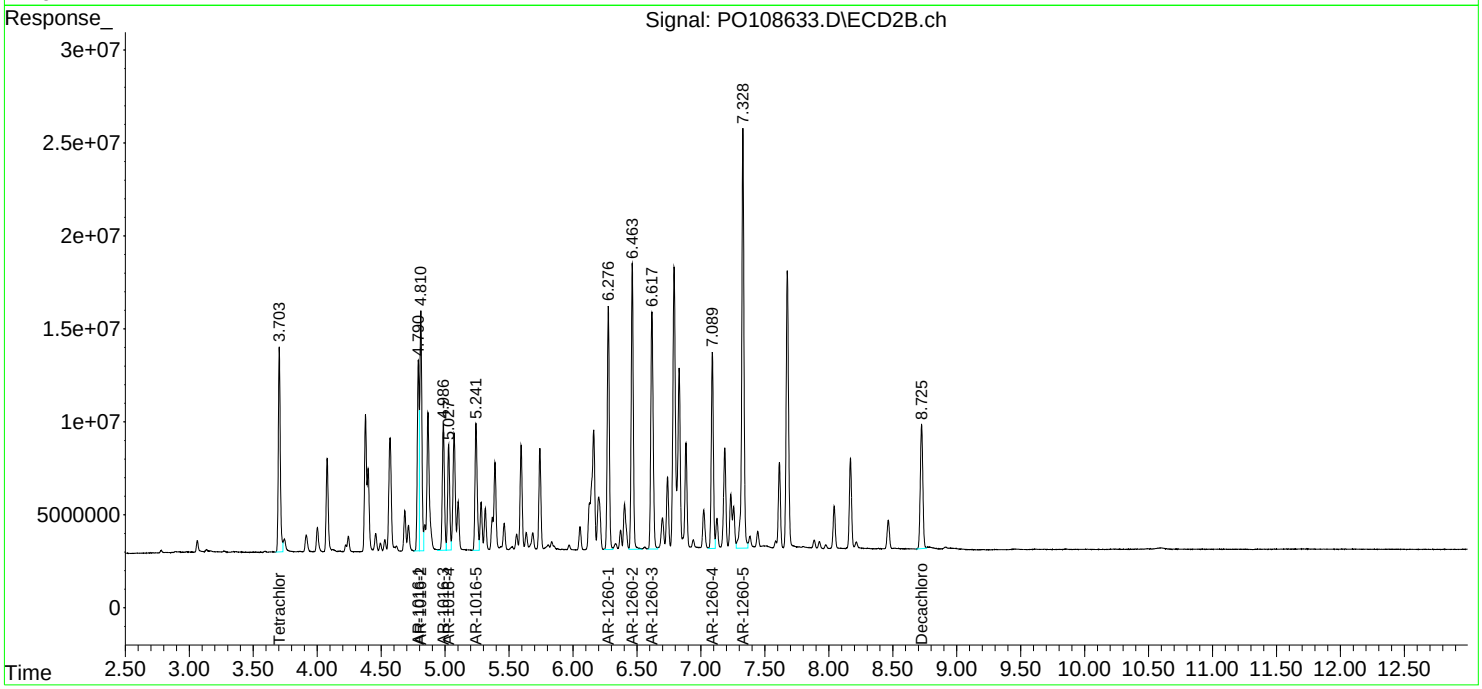
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121824\
Data File : PO108633.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Dec 2024 18:44
Operator : YP/AJ
Sample : P5306-01MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
OU4-VSL-07-121224MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 19 03:52:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO120624.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Dec 07 05:58:15 2024
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:	PO120624	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO108366.D	AR-1016-1 #2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1016-2 #2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1016-3 #2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1016-4 #2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1260-1	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1260-1 #2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1260-2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1260-2 #2	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1660ICC050	PO108366.D	AR-1260-3	yogesh	12/9/2024 10:59:43 AM	Ankita	12/9/2024 11:02:57	Peak Integrated by Software
AR1242ICC050	PO108373.D	AR-1242-5	yogesh	12/9/2024 10:59:45 AM	Ankita	12/9/2024 11:02:58	Peak Integrated by Software
AR1248ICC050	PO108378.D	AR-1248-3	yogesh	12/9/2024 10:59:47 AM	Ankita	12/9/2024 11:02:59	Peak Integrated by Software
AR1248ICC050	PO108378.D	AR-1248-4	yogesh	12/9/2024 10:59:47 AM	Ankita	12/9/2024 11:02:59	Peak Integrated by Software
AR1248ICC050	PO108378.D	AR-1248-5	yogesh	12/9/2024 10:59:47 AM	Ankita	12/9/2024 11:02:59	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO120624	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PO108383.D	AR-1254-1	yogesh	12/9/2024 10:59:49 AM	Ankita	12/9/2024 11:03:01	Peak Integrated by Software
AR1254ICC050	PO108383.D	AR-1254-2	yogesh	12/9/2024 10:59:49 AM	Ankita	12/9/2024 11:03:01	Peak Integrated by Software
AR1254ICC050	PO108383.D	AR-1254-3	yogesh	12/9/2024 10:59:49 AM	Ankita	12/9/2024 11:03:01	Peak Integrated by Software
AR1254ICC050	PO108383.D	AR-1254-4	yogesh	12/9/2024 10:59:49 AM	Ankita	12/9/2024 11:03:01	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO121824	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC50 0	PO108623.D	AR-1254-3	yogesh	12/19/2024 8:20:36 AM	Ankita	12/19/2024 10:26:53	Peak Integrated by Software
AR1254CCC50 0	PO108623.D	AR-1254-3 #2	yogesh	12/19/2024 8:20:36 AM	Ankita	12/19/2024 10:26:53	Peak Integrated by Software
AR1254CCC50 0	PO108638.D	AR-1254-3	yogesh	12/19/2024 8:20:37 AM	Ankita	12/19/2024 10:26:55	Peak Integrated by Software
AR1254CCC50 0	PO108638.D	AR-1254-3 #2	yogesh	12/19/2024 8:20:37 AM	Ankita	12/19/2024 10:26:55	Peak Integrated by Software
AR1254CCC50 0	PO108652.D	AR-1254-3	yogesh	12/19/2024 8:20:39 AM	Ankita	12/19/2024 10:26:57	Peak Integrated by Software
AR1254CCC50 0	PO108652.D	AR-1254-3 #2	yogesh	12/19/2024 8:20:39 AM	Ankita	12/19/2024 10:26:57	Peak Integrated by Software
AR1660CCC50 0	PO108657.D	AR-1016-3	yogesh	12/19/2024 8:20:40 AM	Ankita	12/19/2024 10:26:58	Peak Integrated by Software
AR1254CCC50 0	PO108660.D	AR-1254-3	yogesh	12/19/2024 8:20:42 AM	Ankita	12/19/2024 10:26:59	Peak Integrated by Software
AR1254CCC50 0	PO108660.D	AR-1254-3 #2	yogesh	12/19/2024 8:20:42 AM	Ankita	12/19/2024 10:26:59	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO120624

Review By	yogesh	Review On	12/9/2024 11:00:19 AM		
Supervise By	Ankita	Supervise On	12/9/2024 11:03:08 AM		
SubDirectory	PO120624	HP Acquire Method		HP Processing Method	PO120624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO108360.D	06 Dec 2024 13:43	YP/AJ	Ok
2	I.BLK	PO108361.D	06 Dec 2024 14:01	YP/AJ	Ok
3	AR1660ICC1000	PO108362.D	06 Dec 2024 14:19	YP/AJ	Ok
4	AR1660ICC750	PO108363.D	06 Dec 2024 14:38	YP/AJ	Ok
5	AR1660ICC500	PO108364.D	06 Dec 2024 14:56	YP/AJ	Ok
6	AR1660ICC250	PO108365.D	06 Dec 2024 15:14	YP/AJ	Ok
7	AR1660ICC050	PO108366.D	06 Dec 2024 15:33	YP/AJ	Ok,M
8	AR1221ICC500	PO108367.D	06 Dec 2024 15:51	YP/AJ	Ok
9	AR1232ICC500	PO108368.D	06 Dec 2024 16:09	YP/AJ	Ok
10	AR1242ICC1000	PO108369.D	06 Dec 2024 16:28	YP/AJ	Ok
11	AR1242ICC750	PO108370.D	06 Dec 2024 16:46	YP/AJ	Ok
12	AR1242ICC500	PO108371.D	06 Dec 2024 17:04	YP/AJ	Ok
13	AR1242ICC250	PO108372.D	06 Dec 2024 17:23	YP/AJ	Ok
14	AR1242ICC050	PO108373.D	06 Dec 2024 17:41	YP/AJ	Ok,M
15	AR1248ICC1000	PO108374.D	06 Dec 2024 17:59	YP/AJ	Ok
16	AR1248ICC750	PO108375.D	06 Dec 2024 18:18	YP/AJ	Ok
17	AR1248ICC500	PO108376.D	06 Dec 2024 18:36	YP/AJ	Ok
18	AR1248ICC250	PO108377.D	06 Dec 2024 18:54	YP/AJ	Ok
19	AR1248ICC050	PO108378.D	06 Dec 2024 19:13	YP/AJ	Ok,M
20	AR1254ICC1000	PO108379.D	06 Dec 2024 19:31	YP/AJ	Ok
21	AR1254ICC750	PO108380.D	06 Dec 2024 19:49	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO120624

Review By	yogesh	Review On	12/9/2024 11:00:19 AM		
Supervise By	Ankita	Supervise On	12/9/2024 11:03:08 AM		
SubDirectory	PO120624	HP Acquire Method		HP Processing Method	PO120624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO108381.D	06 Dec 2024 20:08	YP/AJ	Ok
23	AR1254ICC250	PO108382.D	06 Dec 2024 20:26	YP/AJ	Ok
24	AR1254ICC050	PO108383.D	06 Dec 2024 20:44	YP/AJ	Ok,M
25	AR1262ICC500	PO108384.D	06 Dec 2024 21:03	YP/AJ	Ok
26	AR1268ICC1000	PO108385.D	06 Dec 2024 21:21	YP/AJ	Ok
27	AR1268ICC750	PO108386.D	06 Dec 2024 21:39	YP/AJ	Ok
28	AR1268ICC500	PO108387.D	06 Dec 2024 21:58	YP/AJ	Ok
29	AR1268ICC250	PO108388.D	06 Dec 2024 22:16	YP/AJ	Ok
30	AR1268ICC050	PO108389.D	06 Dec 2024 22:34	YP/AJ	Ok
31	PO120624ICV500	PO108390.D	06 Dec 2024 22:53	YP/AJ	Ok
32	AR1242ICV500	PO108391.D	06 Dec 2024 23:11	YP/AJ	Ok
33	AR1248ICV500	PO108392.D	06 Dec 2024 23:29	YP/AJ	Ok
34	AR1254ICV500	PO108393.D	06 Dec 2024 23:48	YP/AJ	Ok
35	AR1268ICV500	PO108394.D	07 Dec 2024 00:06	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO121824

Review By	yogesh	Review On	12/18/2024 3:40:37 PM		
Supervise By	Ankita	Supervise On	12/18/2024 4:14:14 PM		
SubDirectory	PO121824	HP Acquire Method		HP Processing Method	PO120624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO108607.D	18 Dec 2024 09:26	YP/AJ	Ok
2	AR1660CCC500	PO108608.D	18 Dec 2024 09:44	YP/AJ	Ok
3	AR1242CCC500	PO108609.D	18 Dec 2024 10:02	YP/AJ	Ok
4	AR1248CCC500	PO108610.D	18 Dec 2024 10:21	YP/AJ	Ok
5	I.BLK	PO108611.D	18 Dec 2024 10:39	YP/AJ	Ok
6	P5307-02	PO108612.D	18 Dec 2024 10:57	YP/AJ	Ok
7	P5307-08	PO108613.D	18 Dec 2024 11:34	YP/AJ	Ok,M
8	P5307-10	PO108614.D	18 Dec 2024 12:10	YP/AJ	Ok
9	P5307-11	PO108615.D	18 Dec 2024 12:46	YP/AJ	Ok,M
10	PB165702BL	PO108616.D	18 Dec 2024 13:33	YP/AJ	Ok
11	PB165702BS	PO108617.D	18 Dec 2024 13:51	YP/AJ	Ok
12	PB165702BSD	PO108618.D	18 Dec 2024 14:10	YP/AJ	Ok
13	P5313-01	PO108619.D	18 Dec 2024 14:28	YP/AJ	Ok
14	AR1660CCC500	PO108620.D	18 Dec 2024 14:46	YP/AJ	Ok
15	AR1242CCC500	PO108621.D	18 Dec 2024 15:04	YP/AJ	Ok
16	AR1248CCC500	PO108622.D	18 Dec 2024 15:23	YP/AJ	Ok
17	AR1254CCC500	PO108623.D	18 Dec 2024 15:41	YP/AJ	Ok,M
18	I.BLK	PO108624.D	18 Dec 2024 15:59	YP/AJ	Ok
19	PB165703BL	PO108625.D	18 Dec 2024 16:18	YP/AJ	Ok
20	PB165703BS	PO108626.D	18 Dec 2024 16:36	YP/AJ	Ok
21	P5299-01	PO108627.D	18 Dec 2024 16:54	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO121824

Review By	yogesh	Review On	12/18/2024 3:40:37 PM		
Supervise By	Ankita	Supervise On	12/18/2024 4:14:14 PM		
SubDirectory	PO121824	HP Acquire Method		HP Processing Method	PO120624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P5299-02	PO108628.D	18 Dec 2024 17:13	YP/AJ	Ok
23	P5299-03	PO108629.D	18 Dec 2024 17:31	YP/AJ	Ok
24	P5299-04	PO108630.D	18 Dec 2024 17:49	YP/AJ	Ok
25	P5306-01	PO108631.D	18 Dec 2024 18:08	YP/AJ	Ok
26	P5306-01MS	PO108632.D	18 Dec 2024 18:26	YP/AJ	Ok
27	P5306-01MSD	PO108633.D	18 Dec 2024 18:44	YP/AJ	Ok
28	P5306-03	PO108634.D	18 Dec 2024 19:03	YP/AJ	Ok
29	AR1660CCC500	PO108635.D	18 Dec 2024 20:04	YP/AJ	Ok
30	AR1242CCC500	PO108636.D	18 Dec 2024 20:22	YP/AJ	Ok
31	AR1248CCC500	PO108637.D	18 Dec 2024 20:40	YP/AJ	Ok
32	AR1254CCC500	PO108638.D	18 Dec 2024 20:59	YP/AJ	Ok,M
33	I.BLK	PO108639.D	18 Dec 2024 21:17	YP/AJ	Ok
34	P5306-05	PO108640.D	18 Dec 2024 21:35	YP/AJ	Ok
35	P5306-07	PO108641.D	18 Dec 2024 21:54	YP/AJ	Ok
36	P5306-09	PO108642.D	18 Dec 2024 22:12	YP/AJ	Ok
37	P5306-11	PO108643.D	18 Dec 2024 22:30	YP/AJ	Ok
38	P5306-13	PO108644.D	18 Dec 2024 22:49	YP/AJ	Ok
39	P5306-15	PO108645.D	18 Dec 2024 23:07	YP/AJ	Ok
40	P5312-01	PO108646.D	18 Dec 2024 23:25	YP/AJ	Ok
41	P5312-03	PO108647.D	18 Dec 2024 23:43	YP/AJ	Ok
42	P5316-01	PO108648.D	19 Dec 2024 00:02	YP/AJ	Ok
43	AR1660CCC500	PO108649.D	19 Dec 2024 01:03	YP/AJ	Ok
44	AR1242CCC500	PO108650.D	19 Dec 2024 01:21	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO121824

Review By	yogesh	Review On	12/18/2024 3:40:37 PM		
Supervise By	Ankita	Supervise On	12/18/2024 4:14:14 PM		
SubDirectory	PO121824	HP Acquire Method		HP Processing Method	PO120624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	AR1248CCC500	PO108651.D	19 Dec 2024 01:39	YP/AJ	Ok
46	AR1254CCC500	PO108652.D	19 Dec 2024 01:58	YP/AJ	Ok,M
47	I.BLK	PO108653.D	19 Dec 2024 02:16	YP/AJ	Ok
48	PB165711BL	PO108654.D	19 Dec 2024 02:34	YP/AJ	Ok
49	PB165711BS	PO108655.D	19 Dec 2024 02:53	YP/AJ	Ok
50	P5300-01	PO108656.D	19 Dec 2024 03:11	YP/AJ	Ok
51	AR1660CCC500	PO108657.D	19 Dec 2024 04:12	YP/AJ	Ok,M
52	AR1242CCC500	PO108658.D	19 Dec 2024 04:30	YP/AJ	Ok
53	AR1248CCC500	PO108659.D	19 Dec 2024 04:49	YP/AJ	Ok
54	AR1254CCC500	PO108660.D	19 Dec 2024 05:07	YP/AJ	Ok,M
55	I.BLK	PO108661.D	19 Dec 2024 05:25	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO120624

Review By	yogesh	Review On	12/9/2024 11:00:19 AM		
Supervise By	Ankita	Supervise On	12/9/2024 11:03:08 AM		
SubDirectory	PO120624	HP Acquire Method		HP Processing Method	PO120624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO108360.D	06 Dec 2024 13:43		YP/AJ	Ok
2	I.BLK	I.BLK	PO108361.D	06 Dec 2024 14:01		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO108362.D	06 Dec 2024 14:19		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO108363.D	06 Dec 2024 14:38		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO108364.D	06 Dec 2024 14:56		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO108365.D	06 Dec 2024 15:14		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO108366.D	06 Dec 2024 15:33		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO108367.D	06 Dec 2024 15:51		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO108368.D	06 Dec 2024 16:09		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO108369.D	06 Dec 2024 16:28		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO108370.D	06 Dec 2024 16:46		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO108371.D	06 Dec 2024 17:04		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO108372.D	06 Dec 2024 17:23		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO108373.D	06 Dec 2024 17:41		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO108374.D	06 Dec 2024 17:59		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO108375.D	06 Dec 2024 18:18		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO108376.D	06 Dec 2024 18:36		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO108377.D	06 Dec 2024 18:54		YP/AJ	Ok

Alliance TECHNICAL GROUP
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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO120624

Review By	yogesh	Review On	12/9/2024 11:00:19 AM		
Supervise By	Ankita	Supervise On	12/9/2024 11:03:08 AM		
SubDirectory	PO120624	HP Acquire Method		HP Processing Method	PO120624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO108378.D	06 Dec 2024 19:13		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO108379.D	06 Dec 2024 19:31		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO108380.D	06 Dec 2024 19:49		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO108381.D	06 Dec 2024 20:08		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO108382.D	06 Dec 2024 20:26		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO108383.D	06 Dec 2024 20:44		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO108384.D	06 Dec 2024 21:03		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO108385.D	06 Dec 2024 21:21		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO108386.D	06 Dec 2024 21:39		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO108387.D	06 Dec 2024 21:58		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO108388.D	06 Dec 2024 22:16		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO108389.D	06 Dec 2024 22:34		YP/AJ	Ok
31	PO120624ICV500	ICVPO120624	PO108390.D	06 Dec 2024 22:53		YP/AJ	Ok
32	AR1242ICV500	ICVPO120624AR1242	PO108391.D	06 Dec 2024 23:11		YP/AJ	Ok
33	AR1248ICV500	ICVPO120624AR1248	PO108392.D	06 Dec 2024 23:29		YP/AJ	Ok
34	AR1254ICV500	ICVPO120624AR1254	PO108393.D	06 Dec 2024 23:48		YP/AJ	Ok
35	AR1268ICV500	ICVPO120624AR1268	PO108394.D	07 Dec 2024 00:06		YP/AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP
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 # PO121824

Review By	yogesh	Review On	12/18/2024 3:40:37 PM		
Supervise By	Ankita	Supervise On	12/18/2024 4:14:14 PM		
SubDirectory	PO121824	HP Acquire Method		HP Processing Method	PO120624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO108607.D	18 Dec 2024 09:26		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO108608.D	18 Dec 2024 09:44		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO108609.D	18 Dec 2024 10:02		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO108610.D	18 Dec 2024 10:21		YP/AJ	Ok
5	I.BLK	I.BLK	PO108611.D	18 Dec 2024 10:39		YP/AJ	Ok
6	P5307-02	2A-2B-2C-ROOF-2	PO108612.D	18 Dec 2024 10:57		YP/AJ	Ok
7	P5307-08	1952-BLDG	PO108613.D	18 Dec 2024 11:34		YP/AJ	Ok,M
8	P5307-10	1907-BLDG-OFF-WHIT	PO108614.D	18 Dec 2024 12:10		YP/AJ	Ok
9	P5307-11	11A-11B-11C-1952-BLD	PO108615.D	18 Dec 2024 12:46		YP/AJ	Ok,M
10	PB165702BL	PB165702BL	PO108616.D	18 Dec 2024 13:33		YP/AJ	Ok
11	PB165702BS	PB165702BS	PO108617.D	18 Dec 2024 13:51		YP/AJ	Ok
12	PB165702BSD	PB165702BSD	PO108618.D	18 Dec 2024 14:10		YP/AJ	Ok
13	P5313-01	FMI109	PO108619.D	18 Dec 2024 14:28		YP/AJ	Ok
14	AR1660CCC500	AR1660CCC500	PO108620.D	18 Dec 2024 14:46		YP/AJ	Ok
15	AR1242CCC500	AR1242CCC500	PO108621.D	18 Dec 2024 15:04		YP/AJ	Ok
16	AR1248CCC500	AR1248CCC500	PO108622.D	18 Dec 2024 15:23		YP/AJ	Ok
17	AR1254CCC500	AR1254CCC500	PO108623.D	18 Dec 2024 15:41		YP/AJ	Ok,M
18	I.BLK	I.BLK	PO108624.D	18 Dec 2024 15:59		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO121824

Review By	yogesh	Review On	12/18/2024 3:40:37 PM		
Supervise By	Ankita	Supervise On	12/18/2024 4:14:14 PM		
SubDirectory	PO121824	HP Acquire Method		HP Processing Method	PO120624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB165703BL	PB165703BL	PO108625.D	18 Dec 2024 16:18		YP/AJ	Ok
20	PB165703BS	PB165703BS	PO108626.D	18 Dec 2024 16:36		YP/AJ	Ok
21	P5299-01	SB-01	PO108627.D	18 Dec 2024 16:54		YP/AJ	Ok
22	P5299-02	SB-02	PO108628.D	18 Dec 2024 17:13		YP/AJ	Ok
23	P5299-03	SB-01	PO108629.D	18 Dec 2024 17:31		YP/AJ	Ok
24	P5299-04	SB-02	PO108630.D	18 Dec 2024 17:49		YP/AJ	Ok
25	P5306-01	OU4-VSL-07-121224	PO108631.D	18 Dec 2024 18:08		YP/AJ	Ok
26	P5306-01MS	OU4-VSL-07-121224MS	PO108632.D	18 Dec 2024 18:26		YP/AJ	Ok
27	P5306-01MSD	OU4-VSL-07-121224MS	PO108633.D	18 Dec 2024 18:44		YP/AJ	Ok
28	P5306-03	OU4-VSL-08-121224	PO108634.D	18 Dec 2024 19:03		YP/AJ	Ok
29	AR1660CCC500	AR1660CCC500	PO108635.D	18 Dec 2024 20:04		YP/AJ	Ok
30	AR1242CCC500	AR1242CCC500	PO108636.D	18 Dec 2024 20:22		YP/AJ	Ok
31	AR1248CCC500	AR1248CCC500	PO108637.D	18 Dec 2024 20:40		YP/AJ	Ok
32	AR1254CCC500	AR1254CCC500	PO108638.D	18 Dec 2024 20:59		YP/AJ	Ok,M
33	I.BLK	I.BLK	PO108639.D	18 Dec 2024 21:17		YP/AJ	Ok
34	P5306-05	OU4-VSL-09-121224	PO108640.D	18 Dec 2024 21:35		YP/AJ	Ok
35	P5306-07	OU4-VSL-10-121224	PO108641.D	18 Dec 2024 21:54		YP/AJ	Ok
36	P5306-09	OU4-VSL-11-121224	PO108642.D	18 Dec 2024 22:12		YP/AJ	Ok
37	P5306-11	OU4-VSL-12-121224	PO108643.D	18 Dec 2024 22:30		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO121824

Review By	yogesh	Review On	12/18/2024 3:40:37 PM		
Supervise By	Ankita	Supervise On	12/18/2024 4:14:14 PM		
SubDirectory	PO121824	HP Acquire Method		HP Processing Method	PO120624

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P5306-13	OU4-VSL-13-121224	PO108644.D	18 Dec 2024 22:49		YP/AJ	Ok
39	P5306-15	OU4-VSL-14-121224	PO108645.D	18 Dec 2024 23:07		YP/AJ	Ok
40	P5312-01	SOIL-VNJ-222	PO108646.D	18 Dec 2024 23:25		YP/AJ	Ok
41	P5312-03	CONCRETE-VNJ-222	PO108647.D	18 Dec 2024 23:43		YP/AJ	Ok
42	P5316-01	TT-304-IDWSO-202412	PO108648.D	19 Dec 2024 00:02		YP/AJ	Ok
43	AR1660CCC500	AR1660CCC500	PO108649.D	19 Dec 2024 01:03		YP/AJ	Ok
44	AR1242CCC500	AR1242CCC500	PO108650.D	19 Dec 2024 01:21		YP/AJ	Ok
45	AR1248CCC500	AR1248CCC500	PO108651.D	19 Dec 2024 01:39		YP/AJ	Ok
46	AR1254CCC500	AR1254CCC500	PO108652.D	19 Dec 2024 01:58		YP/AJ	Ok,M
47	I.BLK	I.BLK	PO108653.D	19 Dec 2024 02:16		YP/AJ	Ok
48	PB165711BL	PB165711BL	PO108654.D	19 Dec 2024 02:34		YP/AJ	Ok
49	PB165711BS	PB165711BS	PO108655.D	19 Dec 2024 02:53		YP/AJ	Ok
50	P5300-01	121324	PO108656.D	19 Dec 2024 03:11		YP/AJ	Ok
51	AR1660CCC500	AR1660CCC500	PO108657.D	19 Dec 2024 04:12		YP/AJ	Ok,M
52	AR1242CCC500	AR1242CCC500	PO108658.D	19 Dec 2024 04:30		YP/AJ	Ok
53	AR1248CCC500	AR1248CCC500	PO108659.D	19 Dec 2024 04:49		YP/AJ	Ok
54	AR1254CCC500	AR1254CCC500	PO108660.D	19 Dec 2024 05:07		YP/AJ	Ok,M
55	I.BLK	I.BLK	PO108661.D	19 Dec 2024 05:25		YP/AJ	Ok

M : Manual Integration

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EXTRACTION LOGPAGE

PB165703

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: RJ

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 12/18/2024

Extraction Start Time : 08:10

Extraction End Date : 12/18/2024

Extraction End Time : 14:30

Concentration By: EH

Supervisor By : rajesh

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	PP23913
Surrogate	1.0ML	200 PPB	PP23985
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane	N/A	E3847
Baked Na2SO4	N/A	EP2573
H2SO4 1:1	N/A	EP2565
Sand	N/A	E2865
Hexane/Acetone/1:1	N/A	EP2561
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.P5316 -01 Added in batch at 11:35

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/18/24	RP (Ext Lab)	[illegible] Prep Lab
14:35	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165703

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 12/18/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165703BL	ABLK703	PCB	30.03	N/A	ritesh	Evelyn	10			U7-1
PB165703BS	ALCS703	PCB	30.02	N/A	ritesh	Evelyn	10			2
P5299-01	SB-01	PCB	30.04	N/A	ritesh	Evelyn	10	F		3
P5299-02	SB-02	PCB	30.09	N/A	ritesh	Evelyn	10	F		4
P5299-03	SB-01	PCB	30.07	N/A	ritesh	Evelyn	10	F		5
P5299-04	SB-02	PCB	30.10	N/A	ritesh	Evelyn	10	F		6
P5306-01	OU4-VSL-07-121224	PCB	30.02	N/A	ritesh	Evelyn	10	E		U6-1
P5306-01MS	OU4-VSL-07-121224MS	PCB	30.04	N/A	ritesh	Evelyn	10	E		2
P5306-01MSD	OU4-VSL-07-121224MSD	PCB	30.06	N/A	ritesh	Evelyn	10	E		3
P5306-03	OU4-VSL-08-121224	PCB	30.01	N/A	ritesh	Evelyn	10	E		4
P5306-05	OU4-VSL-09-121224	PCB	30.05	N/A	ritesh	Evelyn	10	E		5
P5306-07	OU4-VSL-10-121224	PCB	30.08	N/A	ritesh	Evelyn	10	E		6
P5306-09	OU4-VSL-11-121224	PCB	30.03	N/A	ritesh	Evelyn	10	E		U5-1
P5306-11	OU4-VSL-12-121224	PCB	30.06	N/A	ritesh	Evelyn	10	E		2
P5306-13	OU4-VSL-13-121224	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
P5306-15	OU4-VSL-14-121224	PCB	30.04	N/A	ritesh	Evelyn	10	E		4
P5312-01	SOIL-VNJ-222	PCB	30.01	N/A	ritesh	Evelyn	10	E		5
P5312-03	CONCRETE-VNJ-222	PCB	30.08	N/A	ritesh	Evelyn	10	E	Concrete	6
P5316-01	TT-304-IDWSO-20241217-1	PCB Group1	30.05	N/A	ritesh	Evelyn	10	E		U4-1

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

12/19/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p5300 **WorkList ID :** 186419 **Department :** Extraction **Date :** 12-18-2024 08:05:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5300-01	121324	Solid	PCB	Cool 4 deg C	PSEG03	L51	12/16/2024	8082A
P5306-01	OU4-VSL-07-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-03	OU4-VSL-08-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-05	OU4-VSL-09-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-07	OU4-VSL-10-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-09	OU4-VSL-11-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-11	OU4-VSL-12-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-13	OU4-VSL-13-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5306-15	OU4-VSL-14-121224	Solid	PCB	Cool 4 deg C	NOBI03	L61	12/12/2024	8082A
P5312-01	SOIL-VNJ-222	Solid	PCB	Cool 4 deg C	PSEG03	L61	12/17/2024	8082A
P5312-03	CONCRETE-VNJ-222	Solid	PCB	Cool 4 deg C	PSEG03	L61	12/17/2024	8082A

Date/Time 12/18/24 8:07
Raw Sample Received by: RJ (Red log)
Raw Sample Relinquished by: JDCSM)

Date/Time 12/18/24 8:35
Raw Sample Received by: JDCSM)
Raw Sample Relinquished by: RJ (Red log)

11:35
PCB
160703

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5316 **WorkList ID :** 186434 **Department :** Extraction **Date :** 12-18-2024 11:32:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5316-01	TT-304-IDWSO-20241217-1	Solid	PCB Group1	Cool 4 deg C	TETR06	L51	12/17/2024	8082A
P5316-01	TT-304-IDWSO-20241217-1	Solid	PESTICIDE Group1	Cool 4 deg C	TETR06	L51	12/17/2024	8081B
P5316-01	TT-304-IDWSO-20241217-1	Solid	SVOCMS Group2	Cool 4 deg C	TETR06	L51	12/17/2024	8270E

Date/Time 12/18/24
Raw Sample Received by: RJ (Eurofins)
Raw Sample Relinquished by: SM

Date/Time 12/18/24
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Eurofins)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5299 **WorkList ID :** 186432 **Department :** Extraction **Date :** 12-18-2024 08:56:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5299-01	SB-01	Solid	PCB	Cool 4 deg C	PORT06	L41	12/14/2024	8082A
P5299-02	SB-02	Solid	PCB	Cool 4 deg C	PORT06	L41	12/15/2024	8082A
P5299-03	SB-01	Solid	PCB	Cool 4 deg C	PORT06	L41	12/15/2024	8082A
P5299-04	SB-02	Solid	PCB	Cool 4 deg C	PORT06	L41	12/15/2024	8082A

Date/Time 12/18/24 8:56
Raw Sample Received by: RJ (Soil Lab)
Raw Sample Relinquished by: SM

Date/Time 12/18/24 9:10
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Soil Lab)

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

LAB CHRONICLE

OrderID:	P5299	**OrderDate:**	12/16/2024 12:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5299-01	**SB-01**	**SOIL**			**12/14/24**			**12/16/24**
			PCB	8082A		12/18/24	12/18/24	
P5299-02	**SB-02**	**SOIL**			**12/15/24**			**12/16/24**
			PCB	8082A		12/18/24	12/18/24	
P5299-03	**SB-01**	**SOIL**			**12/15/24**			**12/16/24**
			PCB	8082A		12/18/24	12/18/24	
P5299-04	**SB-02**	**SOIL**			**12/15/24**			**12/16/24**
			PCB	8082A		12/18/24	12/18/24	

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:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/19/24 14:05	12/20/24 12:45	PB165775

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.48	U	1	0.48	1.27	mg/kg	FC068063.D
Aliphatic C12-C16	Aliphatic C12-C16	1.63		1	0.31	0.85	mg/kg	FC068063.D
Aliphatic C16-C21	Aliphatic C16-C21	0.41	J	1	0.38	1.27	mg/kg	FC068063.D
Aliphatic C21-C28	Aliphatic C21-C28	1.02	U	1	1.02	1.70	mg/kg	FC068063.D
Aliphatic C28-C40	Aliphatic C28-C40	6.99		1	2.29	2.54	mg/kg	FC068063.D
Aromatic C10-C12	Aromatic C10-C12	0.38	U	1	0.38	0.85	mg/kg	FD048901.D
Aromatic C12-C16	Aromatic C12-C16	7.86		1	0.43	1.27	mg/kg	FD048901.D
Aromatic C16-C21	Aromatic C16-C21	6.08		1	1.22	2.12	mg/kg	FD048901.D
Aromatic C21-C36	Aromatic C21-C36	4.34		1	2.54	3.39	mg/kg	FD048901.D
Total AliphaticEPH	Total AliphaticEPH	9.03			4.48	7.63	mg/kg	
Total AromaticEPH	Total AromaticEPH	18.3			4.57	7.63	mg/kg	
Total EPH	Total EPH	27.3			9.05	15.3	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068063.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.48	U	0.48	1.27	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1.63		0.31	0.85	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.41	J	0.38	1.27	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		1.02	U	1.02	1.70	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		6.99		2.29	2.54	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		50.7		40 - 140	101%	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:	P5299-01	Acq On:	20 Dec 2024 12:45
Client Sample ID:	SB-01	Operator:	YP/AJ
Data file:	FC068063.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	728778	4.604	300	ug/ml
Aliphatic C12-C16	6.390	9.779	3088508	19.27	200	ug/ml
Aliphatic C16-C21	9.780	13.137	738603	4.848	300	ug/ml
Aliphatic C21-C28	13.138	16.791	606541	4.447	400	ug/ml
Aliphatic C28-C40	16.792	21.609	8735105	82.434	600	ug/ml
Aliphatic EPH	3.117	21.609	13897535	115.603		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.892	12.892	6470771	50.71		ug/ml
Aliphatic C9-C28	3.117	16.791	5162430	33.169	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048901.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.38	U	0.38	0.85	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.86		0.43	1.27	mg/kg
Aromatic C16-C21	Aromatic C16-C21	6.08		1.22	2.12	mg/kg
Aromatic C21-C36	Aromatic C21-C36	4.34		2.54	3.39	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	56.0		40 - 140	112%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	59.4		40 - 140	119%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.1		40 - 140	78%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P5299-01	Acq On:	20 Dec 2024 12:45
Client Sample ID:	SB-01	Operator:	YP/AJ
Data file:	FD048901.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	4.083	5.800	832264	4.376	200	ug/ml
Aromatic C12-C16	5.801	8.405	17230204	92.694	300	ug/ml
Aromatic C16-C21	8.406	12.669	12150833	71.678	500	ug/ml
Aromatic C21-C36	12.670	18.077	7252965	51.226	800	ug/ml
Aromatic EPH	4.083	18.077	37466266	219.973		ug/ml
ortho-Terphenyl (SURR)	11.245	11.245	6955373	39.15		ug/ml
2-Bromonaphthalene (SURR)	7.359	7.359	9429099	55.98		ug/ml
2-Flurobiphenyl (SURR)	8.209	8.209	6138195	59.42		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/19/24 14:05	12/20/24 13:21	PB165775

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.25	J	1	0.50	1.32	mg/kg	FC068064.D
Aliphatic C12-C16	Aliphatic C12-C16	5.84		1	0.32	0.88	mg/kg	FC068064.D
Aliphatic C16-C21	Aliphatic C16-C21	0.40	U	1	0.40	1.32	mg/kg	FC068064.D
Aliphatic C21-C28	Aliphatic C21-C28	1.06	U	1	1.06	1.76	mg/kg	FC068064.D
Aliphatic C28-C40	Aliphatic C28-C40	8.45		1	2.38	2.64	mg/kg	FC068064.D
Aromatic C10-C12	Aromatic C10-C12	0.40	U	1	0.40	0.88	mg/kg	FD048902.D
Aromatic C12-C16	Aromatic C12-C16	1.01	J	1	0.45	1.32	mg/kg	FD048902.D
Aromatic C16-C21	Aromatic C16-C21	1.88	J	1	1.27	2.20	mg/kg	FD048902.D
Aromatic C21-C36	Aromatic C21-C36	2.64	U	1	2.64	3.52	mg/kg	FD048902.D
Total AliphaticEPH	Total AliphaticEPH	15.5			4.66	7.92	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.75	U		4.75	7.92	mg/kg	
Total EPH	Total EPH	18.4			9.41	15.8	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068064.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		1.25	J	0.50	1.32	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		5.84		0.32	0.88	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.40	U	0.40	1.32	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		1.06	U	1.06	1.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		8.45		2.38	2.64	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		44.4		40 - 140	89%	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:	P5299-02	Acq On:	20 Dec 2024 13:21
Client Sample ID:	SB-02	Operator:	YP/AJ
Data file:	FC068064.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	2250552	14.217	300	ug/ml
Aliphatic C12-C16	6.390	9.779	10628355	66.313	200	ug/ml
Aliphatic C16-C21	9.780	13.137	610378	4.006	300	ug/ml
Aliphatic C21-C28	13.138	16.791	832467	6.104	400	ug/ml
Aliphatic C28-C40	16.792	21.609	10162160	95.901	600	ug/ml
Aliphatic EPH	3.117	21.609	24483912	186.541		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.888	12.888	5658224	44.35		ug/ml
Aliphatic C9-C28	3.117	16.791	14321752	90.64	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048902.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.40	U	0.40	0.88	mg/kg
Aromatic C12-C16	Aromatic C12-C16	1.01	J	0.45	1.32	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.88	J	1.27	2.20	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.64	U	2.64	3.52	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.5		40 - 140	103%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	54.1		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.0		40 - 140	66%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P5299-02	Acq On:	20 Dec 2024 13:21
Client Sample ID:	SB-02	Operator:	YP/AJ
Data file:	FD048902.D	Misc:	
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.083	5.800	816903	4.295	200	ug/ml
Aromatic C12-C16	5.801	8.405	2124307	11.428	300	ug/ml
Aromatic C16-C21	8.406	12.669	3608389	21.286	500	ug/ml
Aromatic C21-C36	12.670	18.077	4131492	29.18	800	ug/ml
Aromatic EPH	4.083	18.077	10681091	66.188		ug/ml
ortho-Terphenyl (SURR)	11.245	11.245	5860548	32.99		ug/ml
2-Bromonaphthalene (SURR)	7.361	7.361	8669207	51.47		ug/ml
2-Flurobiphenyl (SURR)	8.210	8.210	5590089	54.11		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	68.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/19/24 14:05	12/20/24 13:58	PB165775

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1.13	J	1	0.55	1.45	mg/kg	FC068065.D
Aliphatic C12-C16	Aliphatic C12-C16	10.8		1	0.35	0.97	mg/kg	FC068065.D
Aliphatic C16-C21	Aliphatic C16-C21	0.89	J	1	0.44	1.45	mg/kg	FC068065.D
Aliphatic C21-C28	Aliphatic C21-C28	1.16	U	1	1.16	1.94	mg/kg	FC068065.D
Aliphatic C28-C40	Aliphatic C28-C40	8.94		1	2.61	2.90	mg/kg	FC068065.D
Aromatic C10-C12	Aromatic C10-C12	0.44	U	1	0.44	0.97	mg/kg	FD048903.D
Aromatic C12-C16	Aromatic C12-C16	1.75		1	0.49	1.45	mg/kg	FD048903.D
Aromatic C16-C21	Aromatic C16-C21	2.58		1	1.39	2.42	mg/kg	FD048903.D
Aromatic C21-C36	Aromatic C21-C36	4.39		1	2.90	3.87	mg/kg	FD048903.D
Total AliphaticEPH	Total AliphaticEPH	21.8			5.11	8.71	mg/kg	
Total AromaticEPH	Total AromaticEPH	8.72			5.22	8.71	mg/kg	
Total EPH	Total EPH	30.5			10.3	17.4	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	68.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068065.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		1.13	J	0.55	1.45	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		10.8		0.35	0.97	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.89	J	0.44	1.45	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		1.16	U	1.16	1.94	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		8.94		2.61	2.90	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		47.5		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5299-03	Acq On:	20 Dec 2024 13:58
Client Sample ID:	SB-01	Operator:	YP/AJ
Data file:	FC068065.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	1855427	11.721	300	ug/ml
Aliphatic C12-C16	6.390	9.779	17925000	111.839	200	ug/ml
Aliphatic C16-C21	9.780	13.137	1396653	9.167	300	ug/ml
Aliphatic C21-C28	13.138	16.791	890402	6.529	400	ug/ml
Aliphatic C28-C40	16.792	21.609	9782704	92.32	600	ug/ml
Aliphatic EPH	3.117	21.609	31850186	231.575		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.888	12.888	6062473	47.51		ug/ml
Aliphatic C9-C28	3.117	16.791	22067482	139.256	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	68.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048903.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.44	U	0.44	0.97	mg/kg
Aromatic C12-C16	Aromatic C12-C16	1.75		0.49	1.45	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.58		1.39	2.42	mg/kg
Aromatic C21-C36	Aromatic C21-C36	4.39		2.90	3.87	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.1		40 - 140	110%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	58.2		40 - 140	116%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.5		40 - 140	63%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P5299-03	Acq On:	20 Dec 2024 13:58
Client Sample ID:	SB-01	Operator:	YP/AJ
Data file:	FD048903.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	4.083	5.800	698495	3.672	200	ug/ml
Aromatic C12-C16	5.801	8.405	3368887	18.124	300	ug/ml
Aromatic C16-C21	8.406	12.669	4515909	26.639	500	ug/ml
Aromatic C21-C36	12.670	18.077	6416442	45.317	800	ug/ml
Aromatic EPH	4.083	18.077	14999733	93.753		ug/ml
ortho-Terphenyl (SURR)	11.245	11.245	5589681	31.46		ug/ml
2-Bromonaphthalene (SURR)	7.361	7.361	9288209	55.14		ug/ml
2-Flurobiphenyl (SURR)	8.211	8.211	6014948	58.22		ug/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/19/24 14:05	12/20/24 15:12	PB165775

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.48	U	1	0.48	1.26	mg/kg	FC068066.D
Aliphatic C12-C16	Aliphatic C12-C16	1.99		1	0.30	0.84	mg/kg	FC068066.D
Aliphatic C16-C21	Aliphatic C16-C21	0.38	U	1	0.38	1.26	mg/kg	FC068066.D
Aliphatic C21-C28	Aliphatic C21-C28	1.01	U	1	1.01	1.68	mg/kg	FC068066.D
Aliphatic C28-C40	Aliphatic C28-C40	8.03		1	2.27	2.52	mg/kg	FC068066.D
Aromatic C10-C12	Aromatic C10-C12	0.38	U	1	0.38	0.84	mg/kg	FD048904.D
Aromatic C12-C16	Aromatic C12-C16	0.58	J	1	0.43	1.26	mg/kg	FD048904.D
Aromatic C16-C21	Aromatic C16-C21	1.28	J	1	1.21	2.10	mg/kg	FD048904.D
Aromatic C21-C36	Aromatic C21-C36	2.52	U	1	2.52	3.36	mg/kg	FD048904.D
Total AliphaticEPH	Total AliphaticEPH	10.0			4.44	7.56	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.54	U		4.54	7.56	mg/kg	
Total EPH	Total EPH	11.9	J		8.98	15.1	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068066.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.48	U	0.48	1.26	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	1.99		0.30	0.84	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.38	U	0.38	1.26	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.01	U	1.01	1.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.03		2.27	2.52	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	56.5		40 - 140	113%	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:	P5299-04	Acq On:	20 Dec 2024 15:12
Client Sample ID:	SB-02	Operator:	YP/AJ
Data file:	FC068066.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	867607	5.481	300	ug/ml
Aliphatic C12-C16	6.390	9.779	3786121	23.623	200	ug/ml
Aliphatic C16-C21	9.780	13.137	443178	2.909	300	ug/ml
Aliphatic C21-C28	13.138	16.791	483355	3.544	400	ug/ml
Aliphatic C28-C40	16.792	21.609	10112684	95.435	600	ug/ml
Aliphatic EPH	3.117	21.609	15692945	130.991		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.889	12.889	7204980	56.47		ug/ml
Aliphatic C9-C28	3.117	16.791	5580261	35.557	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048904.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.38	U	0.38	0.84	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.58	J	0.43	1.26	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.28	J	1.21	2.10	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.52	U	2.52	3.36	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	45.5		40 - 140	91%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	47.7		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.3		40 - 140	59%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P5299-04	Acq On:	20 Dec 2024 15:12
Client Sample ID:	SB-02	Operator:	YP/AJ
Data file:	FD048904.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	4.083	5.800	615796	3.237	200	ug/ml
Aromatic C12-C16	5.801	8.405	1285626	6.916	300	ug/ml
Aromatic C16-C21	8.406	12.669	2588566	15.27	500	ug/ml
Aromatic C21-C36	12.670	18.077	3570248	25.216	800	ug/ml
Aromatic EPH	4.083	18.077	8060236	50.639		ug/ml
ortho-Terphenyl (SURR)	11.245	11.245	5200786	29.27		ug/ml
2-Bromonaphthalene (SURR)	7.361	7.361	7667113	45.52		ug/ml
2-Flurobiphenyl (SURR)	8.210	8.210	4932050	47.74		ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: P5299 SAS No.: P5299 SDG No.: P5299

Run Number: FC122024AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
SB-01	101			0
SB-02	89			0
SB-01	95			0
SB-02	113			0
SB-02MS	83			0
SB-02MSD	80			0
PB165775BL	84			0
PB165775BS	100			0
PB165775BSD	109			0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: P5299 SAS No.: P5299 SDG No.: P5299

Run Number: FD122024AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
SB-01	112	119	78	0
SB-02	103	108	66	0
SB-01	110	116	63	0
SB-02	91	95	59	0
SB-02MS	119	126	70	0
SB-02MSD	120	128	71	0
PB165775BL	106	111	95	0
PB165775BS	100	98	90	0
PB165775BSD	100	98	89	0

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

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

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SOIL EPH SURROGATE RECOVERY

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

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

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P5299 **SAS No :** P5299 **SDG No:** P5299

Sample No : P5299-04MS **Datafile:** FC068068.D

Client ID : SB-02MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	12.6	0	6.56	52		(40-140)
Aliphatic C12-C16	8.4	1.99	7.81	69		(40-140)
Aliphatic C16-C21	12.6	0	9.22	73		(40-140)
Aliphatic C21-C28	16.8	0	12.4	74		(40-140)
Aliphatic C28-C40	25.2	8.03	32.0	95		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P5299 **SAS No :** P5299 **SDG No:** P5299

Sample No : P5299-04MSD **Datafile:** FC068069.D

Client ID : SB-02MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	12.6	0	6.42	51		2.14 |	(40-140)	25
Aliphatic C12-C16	8.4	1.99	7.57	66		4.13 |	(40-140)	25
Aliphatic C16-C21	12.6	0	8.97	71		2.77 |	(40-140)	25
Aliphatic C21-C28	16.8	0	12.0	71		3.31 |	(40-140)	25
Aliphatic C28-C40	25.2	8.03	27.1	76		22.7 |	(40-140)	25

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P5299 **SAS No :** P5299 **SDG No:** P5299

Sample No : P5299-04MS **Datafile:** FD048906.D

Client ID : SB-02MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	8.4	0	6.78	81		(40-140)
Aromatic C12-C16	12.6	0.58	15.7	119		(40-140)
Aromatic C16-C21	21.0	1.28	24.6	110		(40-140)
Aromatic C21-C36	33.6	0	42.6	126		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P5299 **SAS No :** P5299 **SDG No:** P5299

Sample No : P5299-04MSD **Datafile:** FD048907.D

Client ID : SB-02MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	8.4	0	6.85	81		0.99 |	(40-140)	25
Aromatic C12-C16	12.6	0.58	12.4	94		23.9 |	(40-140)	25
Aromatic C16-C21	21.0	1.28	25.0	112		1.8 |	(40-140)	25
Aromatic C21-C36	33.7	0	43.0	127		0.79 |	(40-140)	25

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P5299 **SAS No :** P5299 **SDG No:** P5299

Sample No : PB165775BS **Datafile:** FC068061.D

Client ID : PB165775BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10.0	5.50	55		(40-140)
Aliphatic C12-C16	6.7	5.33	80		(40-140)
Aliphatic C16-C21	10.0	8.99	90		(40-140)
Aliphatic C21-C28	13.3	12.4	93		(40-140)
Aliphatic C28-C40	20.0	22.4	112		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P5299 **SAS No :** P5299 **SDG No:** P5299

Sample No : PB165775BSD **Datafile:** FC068062.D

Client ID : PB165775BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10.0	5.42	54		1.4|	(40-140)	50
Aliphatic C12-C16	6.7	5.28	79		0.972|	(40-140)	50
Aliphatic C16-C21	10.0	8.95	90		0.413|	(40-140)	50
Aliphatic C21-C28	13.3	12.4	93		0.03|	(40-140)	50
Aliphatic C28-C40	20.0	22.4	112		0.03|	(40-140)	50

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P5299 **SAS No :** P5299 **SDG No:** P5299

Sample No : PB165775BS **Datafile:** FD048899.D

Client ID : PB165775BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	4.61	69		(40-140)
Aromatic C12-C16	10.0	8.67	87		(40-140)
Aromatic C16-C21	16.7	17.8	106		(40-140)
Aromatic C21-C36	26.7	29.1	109		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P5299 **SAS No :** P5299 **SDG No:** P5299

Sample No : PB165775BSD **Datafile:** FD048900.D

Client ID : PB165775BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	4.62	69		0.17|	(40-140)	50
Aromatic C12-C16	10.0	8.69	87		0.26|	(40-140)	50
Aromatic C16-C21	16.7	17.3	103		2.1|	(40-140)	50
Aromatic C21-C36	26.7	29.0	108		0.196|	(40-140)	50

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB165775BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

Instrument ID: FID_C Lab Sample ID: PB165775BL

Matrix: (soil/water) Solid Date Extracted: 12/19/2024 2:05:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB165775BS	PB165775BS
PB165775BSD	PB165775BSD
SB-01	P5299-01
SB-02	P5299-02
SB-01	P5299-03
SB-02	P5299-04
SB-02MS	P5299-04MS
SB-02MSD	P5299-04MSD

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165775BL	SDG No.:	P5299
Lab Sample ID:	PB165775BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/19/24 14:05	12/20/24 10:34	PB165775

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.38	U	1	0.38	1.00	mg/kg	FC068060.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC068060.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC068060.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC068060.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC068060.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD048898.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD048898.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD048898.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.66	mg/kg	FD048898.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.00	mg/kg	
Total EPH	Total EPH	7.12	U		7.12	12.0	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165775BL	SDG No.:	P5299
Lab Sample ID:	PB165775BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068060.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.38	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.24	U	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.30	U	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.80	U	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.80	U	1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		42.1		40 - 140	84%	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:	PB165775BL	Acq On:	20 Dec 2024 10:34
Client Sample ID:	PB165775BL	Operator:	YP/AJ
Data file:	FC068060.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	0	0	300	ug/ml
Aliphatic C12-C16	6.390	9.779	0	0	200	ug/ml
Aliphatic C16-C21	9.780	13.137	0	0	300	ug/ml
Aliphatic C21-C28	13.138	16.791	0	0	400	ug/ml
Aliphatic C28-C40	16.792	21.609	0	0	600	ug/ml
Aliphatic EPH	3.117	21.609	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.870	12.870	5367336	42.07		ug/ml
Aliphatic C9-C28	3.117	16.791	0	0	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165775BL	SDG No.:	P5299
Lab Sample ID:	PB165775BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048898.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		0.30	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16		0.34	U	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21		0.96	U	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36		2.00	U	2.00	2.66	mg/kg
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		53.1		40 - 140	106%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		55.4		40 - 140	111%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		47.6		40 - 140	95%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB165775BL	Acq On:	20 Dec 2024 10:34
Client Sample ID:	PB165775BL	Operator:	YP/AJ
Data file:	FD048898.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	4.083	5.800	0	0	200	ug/ml
Aromatic C12-C16	5.801	8.405	0	0	300	ug/ml
Aromatic C16-C21	8.406	12.669	0	0	500	ug/ml
Aromatic C21-C36	12.670	18.077	0	0	800	ug/ml
Aromatic EPH	4.083	18.077	0	0		ug/ml
ortho-Terphenyl (SURR)	11.245	11.245	8452422	47.58		ug/ml
2-Bromonaphthalene (SURR)	7.358	7.358	8936524	53.06		ug/ml
2-Flurobiphenyl (SURR)	8.207	8.207	5726704	55.43		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165775BS	SDG No.:	P5299
Lab Sample ID:	PB165775BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/19/24 14:05	12/20/24 11:10	PB165775

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.50		1	0.38	1.00	mg/kg	FC068061.D
Aliphatic C12-C16	Aliphatic C12-C16	5.33		1	0.24	0.67	mg/kg	FC068061.D
Aliphatic C16-C21	Aliphatic C16-C21	8.99		1	0.30	1.00	mg/kg	FC068061.D
Aliphatic C21-C28	Aliphatic C21-C28	12.4		1	0.80	1.33	mg/kg	FC068061.D
Aliphatic C28-C40	Aliphatic C28-C40	22.4		1	1.80	2.00	mg/kg	FC068061.D
Aromatic C10-C12	Aromatic C10-C12	4.61		1	0.30	0.67	mg/kg	FD048899.D
Aromatic C12-C16	Aromatic C12-C16	8.67		1	0.34	1.00	mg/kg	FD048899.D
Aromatic C16-C21	Aromatic C16-C21	17.8		1	0.96	1.67	mg/kg	FD048899.D
Aromatic C21-C36	Aromatic C21-C36	29.1		1	2.00	2.67	mg/kg	FD048899.D
Total AliphaticEPH	Total AliphaticEPH	54.6			3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	60.2			3.60	6.01	mg/kg	
Total EPH	Total EPH	115			7.12	12.0	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165775BS	SDG No.:	P5299
Lab Sample ID:	PB165775BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068061.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		5.50		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		5.33		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		8.99		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		12.4		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		22.4		1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		50.0		40 - 140	100%	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:	PB165775BS	Acq On:	20 Dec 2024 11:10
Client Sample ID:	PB165775BS	Operator:	YP/AJ
Data file:	FC068061.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	13054415	82.465	300	ug/ml
Aliphatic C12-C16	6.390	9.779	12817154	79.97	200	ug/ml
Aliphatic C16-C21	9.780	13.137	20559850	134.94	300	ug/ml
Aliphatic C21-C28	13.138	16.791	25414808	186.347	400	ug/ml
Aliphatic C28-C40	16.792	21.609	35644993	336.386	600	ug/ml
Aliphatic EPH	3.117	21.609	107491220	820.108		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.870	12.870	6377412	49.98		ug/ml
Aliphatic C9-C28	3.117	16.791	71846227	483.722	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165775BS	SDG No.:	P5299
Lab Sample ID:	PB165775BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048899.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.61		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.67		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	17.8		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	29.1		2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.1		40 - 140	100%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	49.0		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.0		40 - 140	90%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB165775BS	Acq On:	20 Dec 2024 11:10
Client Sample ID:	PB165775BS	Operator:	YP/AJ
Data file:	FD048899.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	4.083	5.800	13155513	69.163	200	ug/ml
Aromatic C12-C16	5.801	8.405	24173347	130.046	300	ug/ml
Aromatic C16-C21	8.406	12.669	45164582	266.426	500	ug/ml
Aromatic C21-C36	12.670	18.077	61919189	437.317	800	ug/ml
Aromatic EPH	4.083	18.077	144412631	902.953		ug/ml
ortho-Terphenyl (SURR)	11.247	11.247	7987359	44.96		ug/ml
2-Bromonaphthalene (SURR)	7.361	7.361	8441270	50.12		ug/ml
2-Flurobiphenyl (SURR)	8.211	8.211	5057775	48.96		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165775BSD	SDG No.:	P5299
Lab Sample ID:	PB165775BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/19/24 14:05	12/20/24 11:46	PB165775

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.42		1	0.38	1.00	mg/kg	FC068062.D
Aliphatic C12-C16	Aliphatic C12-C16	5.28		1	0.24	0.67	mg/kg	FC068062.D
Aliphatic C16-C21	Aliphatic C16-C21	8.95		1	0.30	1.00	mg/kg	FC068062.D
Aliphatic C21-C28	Aliphatic C21-C28	12.4		1	0.80	1.33	mg/kg	FC068062.D
Aliphatic C28-C40	Aliphatic C28-C40	22.4		1	1.80	2.00	mg/kg	FC068062.D
Aromatic C10-C12	Aromatic C10-C12	4.62		1	0.30	0.67	mg/kg	FD048900.D
Aromatic C12-C16	Aromatic C12-C16	8.69		1	0.34	1.00	mg/kg	FD048900.D
Aromatic C16-C21	Aromatic C16-C21	17.3		1	0.96	1.67	mg/kg	FD048900.D
Aromatic C21-C36	Aromatic C21-C36	29.0		1	2.00	2.67	mg/kg	FD048900.D
Total AliphaticEPH	Total AliphaticEPH	54.5			3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	59.6			3.60	6.01	mg/kg	
Total EPH	Total EPH	114			7.12	12.0	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165775BSD	SDG No.:	P5299
Lab Sample ID:	PB165775BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068062.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.42		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.28		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.95		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.4		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.4		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	54.7		40 - 140	109%	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:	PB165775BSD	Acq On:	20 Dec 2024 11:46
Client Sample ID:	PB165775BSD	Operator:	YP/AJ
Data file:	FC068062.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	12876644	81.342	300	ug/ml
Aliphatic C12-C16	6.390	9.779	12708105	79.289	200	ug/ml
Aliphatic C16-C21	9.780	13.137	20452390	134.235	300	ug/ml
Aliphatic C21-C28	13.138	16.791	25340505	185.802	400	ug/ml
Aliphatic C28-C40	16.792	21.609	35595769	335.921	600	ug/ml
Aliphatic EPH	3.117	21.609	106973413	816.59		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.870	12.870	6982791	54.73		ug/ml
Aliphatic C9-C28	3.117	16.791	71377644	480.668	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165775BSD	SDG No.:	P5299
Lab Sample ID:	PB165775BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048900.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.62		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.69		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	17.3		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	29.0		2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.2		40 - 140	100%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	49.0		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.6		40 - 140	89%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB165775BSD	Acq On:	20 Dec 2024 11:46
Client Sample ID:	PB165775BSD	Operator:	YP/AJ
Data file:	FD048900.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	4.083	5.800	13180743	69.296	200	ug/ml
Aromatic C12-C16	5.801	8.405	24237417	130.39	300	ug/ml
Aromatic C16-C21	8.406	12.669	43938977	259.197	500	ug/ml
Aromatic C21-C36	12.670	18.077	61594432	435.024	800	ug/ml
Aromatic EPH	4.083	18.077	142951569	893.907		ug/ml
ortho-Terphenyl (SURR)	11.247	11.247	7922276	44.59		ug/ml
2-Bromonaphthalene (SURR)	7.361	7.361	8454965	50.2		ug/ml
2-Flurobiphenyl (SURR)	8.211	8.211	5060351	48.98		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	SB-02MS	SDG No.:	P5299
Lab Sample ID:	P5299-04MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/19/24 14:05	12/20/24 16:26	PB165775

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.56		1	0.48	1.26	mg/kg	FC068068.D
Aliphatic C12-C16	Aliphatic C12-C16	7.81		1	0.30	0.84	mg/kg	FC068068.D
Aliphatic C16-C21	Aliphatic C16-C21	9.22		1	0.38	1.26	mg/kg	FC068068.D
Aliphatic C21-C28	Aliphatic C21-C28	12.4		1	1.01	1.68	mg/kg	FC068068.D
Aliphatic C28-C40	Aliphatic C28-C40	32.0		1	2.27	2.52	mg/kg	FC068068.D
Aromatic C10-C12	Aromatic C10-C12	6.78		1	0.38	0.84	mg/kg	FD048906.D
Aromatic C12-C16	Aromatic C12-C16	15.7		1	0.43	1.26	mg/kg	FD048906.D
Aromatic C16-C21	Aromatic C16-C21	24.6		1	1.21	2.10	mg/kg	FD048906.D
Aromatic C21-C36	Aromatic C21-C36	42.6		1	2.52	3.36	mg/kg	FD048906.D
Total AliphaticEPH	Total AliphaticEPH	68.0			4.44	7.56	mg/kg	
Total AromaticEPH	Total AromaticEPH	89.7			4.54	7.56	mg/kg	
Total EPH	Total EPH	158			8.98	15.1	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	SB-02MS	SDG No.:	P5299
Lab Sample ID:	P5299-04MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068068.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.56		0.48	1.26	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.81		0.30	0.84	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.22		0.38	1.26	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.4		1.01	1.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	32.0		2.27	2.52	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.3		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5299-04MS	Acq On:	20 Dec 2024 16:26
Client Sample ID:	SB-02MS	Operator:	YP/AJ
Data file:	FC068068.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	12344745	77.982	300	ug/ml
Aliphatic C12-C16	6.390	9.779	14883432	92.862	200	ug/ml
Aliphatic C16-C21	9.780	13.137	16693928	109.567	300	ug/ml
Aliphatic C21-C28	13.138	16.791	20027798	146.848	400	ug/ml
Aliphatic C28-C40	16.792	21.609	40325392	380.555	600	ug/ml
Aliphatic EPH	3.117	21.609	104275295	807.814		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.887	12.887	5270189	41.3		ug/ml
Aliphatic C9-C28	3.117	16.791	63949903	427.259	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	SB-02MS	SDG No.:	P5299
Lab Sample ID:	P5299-04MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048906.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.78		0.38	0.84	mg/kg
Aromatic C12-C16	Aromatic C12-C16	15.7		0.43	1.26	mg/kg
Aromatic C16-C21	Aromatic C16-C21	24.6		1.21	2.10	mg/kg
Aromatic C21-C36	Aromatic C21-C36	42.6		2.52	3.36	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.5		40 - 140	119%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	62.8		40 - 140	126%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.0		40 - 140	70%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P5299-04MS	Acq On:	20 Dec 2024 16:26
Client Sample ID:	SB-02MS	Operator:	YP/AJ
Data file:	FD048906.D	Misc:	
Instrument:	FID_D	ALS Vial:	69
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.083	5.800	15339278	80.644	200	ug/ml
Aromatic C12-C16	5.801	8.405	34652720	186.422	300	ug/ml
Aromatic C16-C21	8.406	12.669	49484502	291.91	500	ug/ml
Aromatic C21-C36	12.670	18.077	71743901	506.707	800	ug/ml
Aromatic EPH	4.083	18.077	171220401	1070		ug/ml
ortho-Terphenyl (SURR)	11.245	11.245	6211910	34.96		ug/ml
2-Bromonaphthalene (SURR)	7.361	7.361	10012703	59.45		ug/ml
2-Flurobiphenyl (SURR)	8.212	8.212	6489680	62.82		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	SB-02MSD	SDG No.:	P5299
Lab Sample ID:	P5299-04MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/19/24 14:05	12/20/24 17:03	PB165775

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.42		1	0.48	1.26	mg/kg	FC068069.D
Aliphatic C12-C16	Aliphatic C12-C16	7.57		1	0.30	0.84	mg/kg	FC068069.D
Aliphatic C16-C21	Aliphatic C16-C21	8.97		1	0.38	1.26	mg/kg	FC068069.D
Aliphatic C21-C28	Aliphatic C21-C28	12.0		1	1.01	1.68	mg/kg	FC068069.D
Aliphatic C28-C40	Aliphatic C28-C40	27.1		1	2.27	2.52	mg/kg	FC068069.D
Aromatic C10-C12	Aromatic C10-C12	6.85		1	0.38	0.84	mg/kg	FD048907.D
Aromatic C12-C16	Aromatic C12-C16	12.4		1	0.43	1.26	mg/kg	FD048907.D
Aromatic C16-C21	Aromatic C16-C21	25.0		1	1.21	2.10	mg/kg	FD048907.D
Aromatic C21-C36	Aromatic C21-C36	43.0		1	2.52	3.37	mg/kg	FD048907.D
Total AliphaticEPH	Total AliphaticEPH	62.1			4.44	7.56	mg/kg	
Total AromaticEPH	Total AromaticEPH	87.3			4.54	7.57	mg/kg	
Total EPH	Total EPH	149			8.98	15.1	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	SB-02MSD	SDG No.:	P5299
Lab Sample ID:	P5299-04MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068069.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.42		0.48	1.26	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.57		0.30	0.84	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.97		0.38	1.26	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.0		1.01	1.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.1		2.27	2.52	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.9		40 - 140	80%	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:	P5299-04MSD	Acq On:	20 Dec 2024 17:03
Client Sample ID:	SB-02MSD	Operator:	YP/AJ
Data file:	FC068069.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	12086067	76.348	300	ug/ml
Aliphatic C12-C16	6.390	9.779	14426671	90.012	200	ug/ml
Aliphatic C16-C21	9.780	13.137	16244898	106.62	300	ug/ml
Aliphatic C21-C28	13.138	16.791	19514459	143.085	400	ug/ml
Aliphatic C28-C40	16.792	21.609	34167095	322.439	600	ug/ml
Aliphatic EPH	3.117	21.609	96439190	738.503		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.886	12.886	5087208	39.87		ug/ml
Aliphatic C9-C28	3.117	16.791	62272095	416.065	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	SB-02MSD	SDG No.:	P5299
Lab Sample ID:	P5299-04MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.2
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048907.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.85		0.38	0.84	mg/kg
Aromatic C12-C16	Aromatic C12-C16	12.4		0.43	1.26	mg/kg
Aromatic C16-C21	Aromatic C16-C21	25.0		1.21	2.10	mg/kg
Aromatic C21-C36	Aromatic C21-C36	43.0		2.52	3.37	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	60.2		40 - 140	120%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	63.9		40 - 140	128%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.6		40 - 140	71%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P5299-04MSD	Acq On:	20 Dec 2024 17:03
Client Sample ID:	SB-02MSD	Operator:	YP/AJ
Data file:	FD048907.D	Misc:	
Instrument:	FID_D	ALS Vial:	70
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.083	5.800	15490160	81.437	200	ug/ml
Aromatic C12-C16	5.801	8.405	27484098	147.857	300	ug/ml
Aromatic C16-C21	8.406	12.669	50354206	297.04	500	ug/ml
Aromatic C21-C36	12.670	18.077	72322214	510.791	800	ug/ml
Aromatic EPH	4.083	18.077	165650678	1040		ug/ml
ortho-Terphenyl (SURR)	11.246	11.246	6325440	35.6		ug/ml
2-Bromonaphthalene (SURR)	7.362	7.362	10138982	60.2		ug/ml
2-Flurobiphenyl (SURR)	8.212	8.212	6604556	63.93		ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FC121024AL

AreaCount

Parameter Range	FC067961.D	FC067962.D	FC067963.D	FC067964.D	FC067965.D	
Aliphatic C9-C12	43219570.000	22812652.000	9633573.000	4956995.000	2543550.000	
Aliphatic C12-C16	29481914.000	15507863.000	6502424.000	3322573.000	1701990.000	
Aliphatic C16-C21	42017389.000	21918249.000	9252854.000	4768030.000	2437274.000	
Aliphatic C21-C28	50542953.000	26061820.000	10946904.000	5674955.000	2930879.000	
Aliphatic C28-C40	58878618.000	30107117.000	12646225.000	6629218.000	3463888.000	
Aliphatic EPH	224140444.000	116407701.000	48981980.000	25351771.000	13077581.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	158302.459333	6.484				
Aliphatic C12-C16	160275.29	5.671				
Aliphatic C16-C21	152362.6246664	6.046				
Aliphatic C21-C28	136384.1215	6.035				
Aliphatic C28-C40	105964.6389996	6.736				
Aliphatic EPH	135215.008444	6.221				

Concentration

Parameter Range	FC067961.D	FC067962.D	FC067963.D	FC067964.D	FC067965.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	FC067961.D	FC067962.D	FC067963.D	FC067964.D	FC067965.D	
Aliphatic C9-C12	144065.233333	152084.346666	160559.550000	165233.166666	169570.000000	
Aliphatic C12-C16	147409.570000	155078.630000	162560.600000	166128.650000	170199.000000	
Aliphatic C16-C21	140057.963333	146121.660000	154214.233333	158934.333333	162484.933333	

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Inital Calibration Report for SequenceID : FC121024AL

Aliphatic C21-C28	126357.382500	130309.100000	136836.300000	141873.875000	146543.950000	
Aliphatic C28-C40	98131.030000	100357.056666	105385.208333	110486.966666	115462.933333	
Aliphatic EPH	124522.468888	129341.890000	136061.055555	140843.172222	145306.455555	

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Inital Calibration Report for SequenceID : FD121024AR

AreaCount

Parameter Range	FD048862.D	FD048863.D	FD048864.D	FD048865.D	FD048866.D	
Aromatic C10-C12	36144450.000	18307256.000	7704703.000	4202950.000	1844873.000	
Aromatic C12-C16	52606403.000	26714057.000	11173780.000	6154338.000	2768912.000	
Aromatic C16-C21	65406144.000	33090551.000	13675456.000	7455120.000	3226208.000	
Aromatic C21-C36	122999142.000	62178240.000	25807519.000	13997336.000	6039121.000	
Aromatic EPH	277156139.000	140290104.000	58361458.000	31809744.000	13879114.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	190209.437	6.314				
Aromatic C12-C16	185883.3579996	6.276				
Aromatic C16-C21	169519.943	5.945				
Aromatic C21-C36	141588.6659994	5.992				
Aromatic EPH	160580.3729996	5.982				

Concentration

Parameter Range	FD048862.D	FD048863.D	FD048864.D	FD048865.D	FD048866.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	FD048862.D	FD048863.D	FD048864.D	FD048865.D	FD048866.D	
Aromatic C10-C12	180722.250000	183072.560000	192617.575000	210147.500000	184487.300000	
Aromatic C12-C16	175354.676666	178093.713333	186229.666666	205144.600000	184594.133333	
Aromatic C16-C21	163515.360000	165452.755000	170943.200000	186378.000000	161310.400000	
Aromatic C21-C36	136665.713333	138173.866666	143375.105555	155525.955555	134202.688888	
Aromatic EPH	153975.632777	155877.893333	162115.161111	176720.800000	154212.377777	

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Continuing Calibration Report for SequenceID : FC122024AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068059.D**						
Aliphatic C28-C40	12271986.000	120.000	16.792	21.609	102266.550	105964.639	3.490
Aliphatic EPH	46593571.000	360.000	3.117	21.609	129426.586	135215.008	4.281
Aliphatic C9-C12	9123272.000	60.000	3.117	6.389	152054.533	158302.459	3.947
Aliphatic C12-C16	6147282.000	40.000	6.390	9.779	153682.050	160275.290	4.114
Aliphatic C16-C21	8675091.000	60.000	9.780	13.137	144584.850	152362.625	5.105
Aliphatic C21-C28	10375940.000	80.000	13.138	16.791	129699.250	136384.122	4.902

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	20 Dec 2024 09:05
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068059.D	Misc:	
Instrument:	FID_C	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.117	6.389	9123272.000	60.000	ug/ml
Aliphatic C12-C16	6.390	9.779	6147282.000	40.000	ug/ml
Aliphatic C16-C21	9.780	13.137	8675091.000	60.000	ug/ml
Aliphatic C21-C28	13.138	16.791	10375940.000	80.000	ug/ml
Aliphatic C28-C40	16.792	21.609	12271986.000	120.000	ug/ml
Aliphatic EPH	3.117	21.609	46593571.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC122024AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068071.D**						
Aliphatic C28-C40	12785603.000	120.000	16.792	21.609	106546.692	105964.639	-0.549
Aliphatic EPH	42958637.000	360.000	3.117	21.609	119329.547	135215.008	11.748
Aliphatic C9-C12	7756045.000	60.000	3.117	6.389	129267.417	158302.459	18.341
Aliphatic C12-C16	5307951.000	40.000	6.390	9.779	132698.775	160275.290	17.206
Aliphatic C16-C21	7636984.000	60.000	9.780	13.137	127283.067	152362.625	16.460
Aliphatic C21-C28	9472054.000	80.000	13.138	16.791	118400.675	136384.122	13.186

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	20 Dec 2024 18:17
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068071.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.117	6.389	7756045.000	60.000	ug/ml
Aliphatic C12-C16	6.390	9.779	5307951.000	40.000	ug/ml
Aliphatic C16-C21	9.780	13.137	7636984.000	60.000	ug/ml
Aliphatic C21-C28	13.138	16.791	9472054.000	80.000	ug/ml
Aliphatic C28-C40	16.792	21.609	12785603.000	120.000	ug/ml
Aliphatic EPH	3.117	21.609	42958637.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FD122024AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048897.D**						
Aromatic C10-C12	7444754.000	40.000	4.083	5.800	186118.850	190209.437	2.151
Aromatic C12-C16	10696363.000	60.000	5.801	8.405	178272.717	185883.358	4.094
Aromatic C16-C21	12508773.000	80.000	8.406	12.669	156359.663	169519.943	7.763
Aromatic C21-C36	24222747.000	180.000	12.670	18.077	134570.817	141588.666	4.957
Aromatic EPH	54872637.000	360.000	4.083	18.077	152423.992	160580.373	5.079

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	20 Dec 2024 09:05
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048897.D	Misc:	
Instrument:	FID_D	ALS Vial:	53
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.083	5.800	7444754.000	40.000	ug/ml
Aromatic C12-C16	5.801	8.405	10696363.000	60.000	ug/ml
Aromatic C16-C21	8.406	12.669	12508773.000	80.000	ug/ml
Aromatic C21-C36	12.670	18.077	24222747.000	180.000	ug/ml
Aromatic EPH	4.083	18.077	54872637.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD122024AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048909.D**						
Aromatic C10-C12	7122880.000	40.000	4.083	5.800	178072.000	190209.437	6.381
Aromatic C12-C16	10357272.000	60.000	5.801	8.405	172621.200	185883.358	7.135
Aromatic C16-C21	11644106.000	80.000	8.406	12.669	145551.325	169519.943	14.139
Aromatic C21-C36	23719010.000	180.000	12.670	18.077	131772.278	141588.666	6.933
Aromatic EPH	52843268.000	360.000	4.083	18.077	146786.856	160580.373	8.590

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:	20 Dec 2024 18:17
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048909.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.083	5.800	7122880.000	40.000	ug/ml
Aromatic C12-C16	5.801	8.405	10357272.000	60.000	ug/ml
Aromatic C16-C21	8.406	12.669	11644106.000	80.000	ug/ml
Aromatic C21-C36	12.670	18.077	23719010.000	180.000	ug/ml
Aromatic EPH	4.083	18.077	52843268.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068063.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 12:45
Operator : YP/AJ
Sample : P5299-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
SB-01

Integration File: autoint1.e
Quant Time: Dec 21 01:51:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.892	6470771	50.714 ug/ml
Spiked Amount 50.000		Recovery = 101.43%	
Target Compounds			

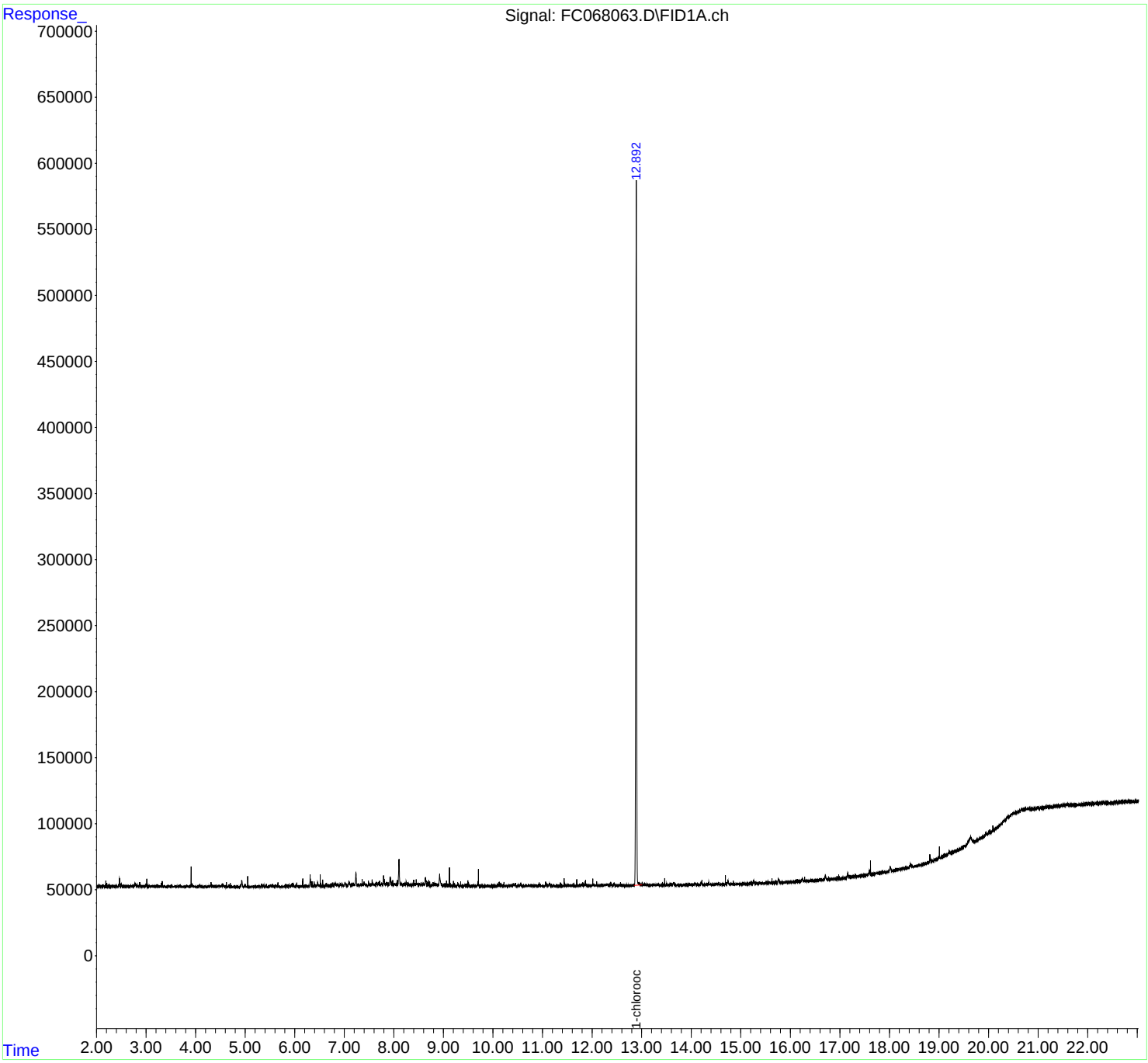
(f)=RT Delta > 1/2 Window (m)=manual int.

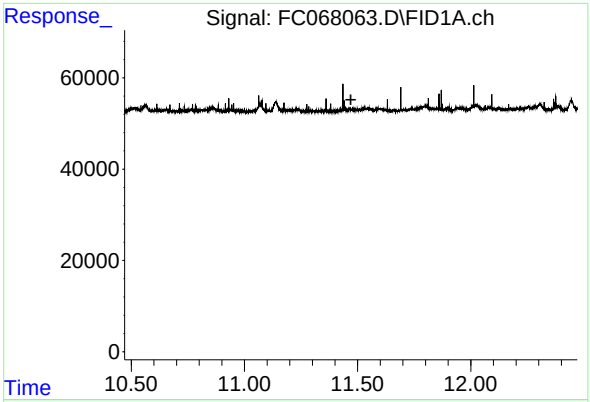
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068063.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 12:45
Operator : YP/AJ
Sample : P5299-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
SB-01

Integration File: autoint1.e
Quant Time: Dec 21 01:51:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

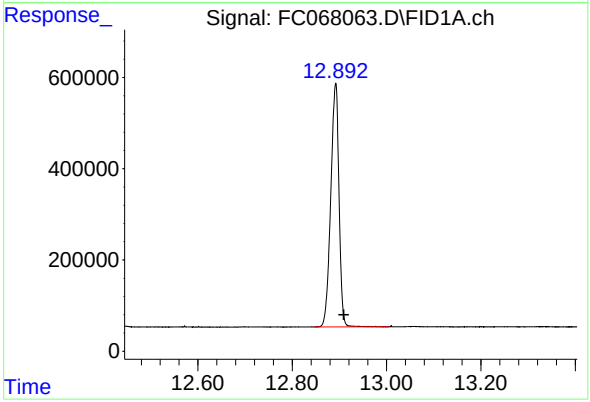




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.470 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
SB-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.892 min
Delta R.T.: -0.018 min
Response: 6470771
Conc: 50.71 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068063.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 12:45
Sample : P5299-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.151	3.104	3.175	BV	121	1941	0.03%	0.010%
2	3.218	3.175	3.231	VV	689	5447	0.08%	0.027%
3	3.244	3.231	3.277	VV	429	5023	0.08%	0.025%
4	3.304	3.277	3.314	PV	1073	3189	0.05%	0.016%
5	3.326	3.314	3.354	PV	1033	5971	0.09%	0.029%
6	3.381	3.354	3.459	VV	257	4001	0.06%	0.020%
7	3.488	3.459	3.497	PV	108	1170	0.02%	0.006%
8	3.508	3.497	3.554	VV	664	6168	0.09%	0.030%
9	3.565	3.554	3.600	VV	319	4023	0.06%	0.020%
10	3.614	3.600	3.636	VV	237	2609	0.04%	0.013%
11	3.648	3.636	3.670	VV	129	1260	0.02%	0.006%
12	3.684	3.670	3.711	VV	536	2978	0.05%	0.015%
13	3.734	3.711	3.786	VV	251	5465	0.08%	0.027%
14	3.821	3.786	3.845	VV	808	6968	0.11%	0.034%
15	3.854	3.845	3.862	VV	154	1005	0.02%	0.005%
16	3.909	3.862	3.920	VV	4794	22150	0.34%	0.108%
17	3.933	3.920	3.983	VV	1293	15609	0.24%	0.076%
18	4.000	3.983	4.018	VV	242	3533	0.05%	0.017%
19	4.024	4.018	4.035	VV	137	1154	0.02%	0.006%
20	4.083	4.035	4.102	VV	1109	18836	0.29%	0.092%
21	4.111	4.102	4.125	VV	491	2838	0.04%	0.014%
22	4.135	4.125	4.155	VV	207	2629	0.04%	0.013%
23	4.166	4.155	4.195	VV	189	2895	0.04%	0.014%
24	4.234	4.195	4.244	VV	212	4097	0.06%	0.020%
25	4.255	4.244	4.284	VV	242	3516	0.05%	0.017%
26	4.310	4.284	4.326	VV	1227	14407	0.22%	0.071%
27	4.337	4.326	4.368	VV	531	6705	0.10%	0.033%
28	4.407	4.368	4.435	VV	732	11282	0.17%	0.055%
29	4.470	4.435	4.511	VV	1491	23165	0.36%	0.113%
30	4.526	4.511	4.541	VV	1264	12523	0.19%	0.061%
31	4.556	4.541	4.642	VV	2064	29532	0.45%	0.145%
32	4.677	4.642	4.694	VV	681	7383	0.11%	0.036%
33	4.701	4.694	4.758	VV	1138	7377	0.11%	0.036%
34	4.769	4.758	4.804	VV	224	3391	0.05%	0.017%
35	4.855	4.804	4.884	PV	399	8751	0.13%	0.043%
36	4.933	4.884	4.962	VV	5019	63711	0.98%	0.312%

rteres

37	4.989	4.962	5.026	VV	1114	16778	0.26%	0.082%
38	5.051	5.026	5.074	VV	2778	9964	0.15%	0.049%
39	5.095	5.074	5.104	PV	173	1466	0.02%	0.007%
40	5.127	5.104	5.144	VV	338	5617	0.09%	0.028%
41	5.160	5.144	5.183	VV	240	4770	0.07%	0.023%
42	5.195	5.183	5.211	VV	271	2936	0.05%	0.014%
43	5.220	5.211	5.236	VV	174	2255	0.03%	0.011%
44	5.247	5.236	5.274	VV	191	3918	0.06%	0.019%
45	5.301	5.274	5.315	VV	311	5016	0.08%	0.025%
46	5.334	5.315	5.359	VV	1799	23560	0.36%	0.115%
47	5.375	5.359	5.400	VV	1853	21513	0.33%	0.105%
48	5.428	5.400	5.463	VV	1037	10762	0.17%	0.053%
49	5.515	5.463	5.567	VV	895	21092	0.32%	0.103%
50	5.579	5.567	5.598	VV	277	3796	0.06%	0.019%
51	5.601	5.598	5.651	VV	681	12415	0.19%	0.061%
52	5.661	5.651	5.695	VV	1549	9584	0.15%	0.047%
53	5.721	5.695	5.761	VV	393	9511	0.15%	0.047%
54	5.788	5.761	5.808	VV	389	6323	0.10%	0.031%
55	5.818	5.808	5.848	VV	941	7286	0.11%	0.036%
56	5.884	5.848	5.908	VV	849	19059	0.29%	0.093%
57	5.930	5.908	5.961	VV	1135	21032	0.32%	0.103%
58	5.973	5.961	6.014	VV	1522	19400	0.30%	0.095%
59	6.037	6.014	6.079	VV	1520	25282	0.39%	0.124%
60	6.105	6.079	6.130	VV	646	12809	0.20%	0.063%
61	6.163	6.130	6.220	VV	2313	27905	0.43%	0.137%
62	6.229	6.220	6.258	VV	844	10574	0.16%	0.052%
63	6.313	6.258	6.338	VV	6001	77000	1.18%	0.377%
64	6.351	6.338	6.380	VV	2030	14453	0.22%	0.071%
65	6.395	6.380	6.420	VV	1253	20403	0.31%	0.100%
66	6.431	6.420	6.443	VV	898	9772	0.15%	0.048%
67	6.462	6.443	6.486	VV	3644	45754	0.70%	0.224%
68	6.497	6.486	6.521	VV	1073	19858	0.30%	0.097%
69	6.534	6.521	6.608	VV	1354	34653	0.53%	0.170%
70	6.632	6.608	6.657	VV	1633	21987	0.34%	0.108%
71	6.673	6.657	6.734	VV	1275	28854	0.44%	0.141%
72	6.767	6.734	6.784	VV	1782	27899	0.43%	0.137%
73	6.808	6.784	6.848	VV	2230	56005	0.86%	0.274%
74	6.870	6.848	6.898	VV	1875	39444	0.61%	0.193%
75	6.932	6.898	6.954	VV	2054	49689	0.76%	0.243%
76	6.971	6.954	6.990	VV	1488	21636	0.33%	0.106%
77	7.014	6.990	7.051	VV	3245	58885	0.90%	0.288%
78	7.095	7.051	7.128	VV	4166	82916	1.27%	0.406%
79	7.152	7.128	7.164	VV	1436	27281	0.42%	0.134%
80	7.182	7.164	7.212	VV	1992	47337	0.73%	0.232%
81	7.235	7.212	7.261	VV	10193	125075	1.92%	0.612%
82	7.287	7.261	7.310	VV	1733	38199	0.59%	0.187%
83	7.326	7.310	7.341	VV	1789	27584	0.42%	0.135%
84	7.361	7.341	7.380	VV	3094	34637	0.53%	0.170%
85	7.407	7.380	7.433	VV	2956	58872	0.90%	0.288%
86	7.444	7.433	7.469	VV	1262	22642	0.35%	0.111%
87	7.495	7.469	7.531	VV	2657	59318	0.91%	0.290%
88	7.570	7.531	7.587	VV	2389	60672	0.93%	0.297%
89	7.599	7.587	7.634	VV	1960	41739	0.64%	0.204%

rteres

90	7.658	7.634	7.674	VV	2872	46924	0.72%	0.230%
91	7.689	7.674	7.700	VV	2386	31708	0.49%	0.155%
92	7.713	7.700	7.729	VV	3145	34868	0.54%	0.171%
93	7.755	7.729	7.774	VV	2786	49435	0.76%	0.242%
94	7.799	7.774	7.825	VV	4218	82347	1.26%	0.403%
95	7.855	7.825	7.904	VV	3246	88522	1.36%	0.433%
96	7.925	7.904	7.951	VV	7499	101868	1.56%	0.499%
97	7.976	7.951	7.992	VV	2942	40286	0.62%	0.197%
98	8.012	7.992	8.031	VV	2266	38432	0.59%	0.188%
99	8.103	8.031	8.131	VV	20660	301120	4.62%	1.474%
100	8.151	8.131	8.176	VV	2501	49135	0.75%	0.241%
101	8.200	8.176	8.232	VV	2133	59323	0.91%	0.290%
102	8.251	8.232	8.272	VV	2787	45551	0.70%	0.223%
103	8.295	8.272	8.320	VV	1664	42426	0.65%	0.208%
104	8.336	8.320	8.361	VV	1651	33503	0.51%	0.164%
105	8.402	8.361	8.438	VV	2980	69747	1.07%	0.342%
106	8.452	8.438	8.498	VV	2942	62865	0.97%	0.308%
107	8.516	8.498	8.536	VV	2107	36180	0.56%	0.177%
108	8.553	8.536	8.575	VV	2180	40017	0.61%	0.196%
109	8.592	8.575	8.618	VV	2153	43133	0.66%	0.211%
110	8.639	8.618	8.738	VV	6763	152809	2.35%	0.748%
111	8.758	8.738	8.771	VV	1051	16817	0.26%	0.082%
112	8.790	8.771	8.801	VV	2069	22687	0.35%	0.111%
113	8.822	8.801	8.844	VV	2225	39124	0.60%	0.192%
114	8.860	8.844	8.901	VV	1888	48857	0.75%	0.239%
115	8.924	8.901	8.991	VV	8745	154832	2.38%	0.758%
116	9.009	8.991	9.038	VV	1571	24530	0.38%	0.120%
117	9.062	9.038	9.099	VV	1445	23215	0.36%	0.114%
118	9.121	9.099	9.178	VV	4959	38556	0.59%	0.189%
119	9.189	9.178	9.194	VV	576	4152	0.06%	0.020%
120	9.205	9.194	9.213	VV	1739	8960	0.14%	0.044%
121	9.224	9.213	9.258	VV	1337	14069	0.22%	0.069%
122	9.289	9.258	9.325	VV	2220	35288	0.54%	0.173%
123	9.348	9.325	9.404	VV	1526	21700	0.33%	0.106%
124	9.428	9.404	9.441	VV	872	11226	0.17%	0.055%
125	9.444	9.441	9.455	VV	843	3799	0.06%	0.019%
126	9.494	9.455	9.555	VV	1789	23158	0.36%	0.113%
127	9.571	9.555	9.598	VV	517	4957	0.08%	0.024%
128	9.621	9.598	9.648	VV	547	10117	0.16%	0.050%
129	9.705	9.648	9.748	VV	4282	53092	0.82%	0.260%
130	9.775	9.748	9.951	PV	376	18062	0.28%	0.088%
131	9.978	9.951	9.994	VV	302	3821	0.06%	0.019%
132	10.005	9.994	10.061	VV	705	12081	0.19%	0.059%
133	10.085	10.061	10.111	VV	1051	16364	0.25%	0.080%
134	10.126	10.111	10.167	VV	1630	17887	0.27%	0.088%
135	10.177	10.167	10.202	VV	435	7555	0.12%	0.037%
136	10.208	10.202	10.215	VV	761	2653	0.04%	0.013%
137	10.222	10.215	10.268	VV	806	6935	0.11%	0.034%
138	10.300	10.268	10.314	VV	487	8331	0.13%	0.041%
139	10.326	10.314	10.351	VV	497	8645	0.13%	0.042%
140	10.375	10.351	10.401	VV	661	14979	0.23%	0.073%
141	10.436	10.401	10.478	VV	1330	36332	0.56%	0.178%

rteres

142	10.518	10.478	10.538	VV	935	22706	0.35%	0.111%
143	10.564	10.538	10.597	VV	1437	26681	0.41%	0.131%
144	10.614	10.597	10.638	VV	775	8168	0.13%	0.040%
145	10.656	10.638	10.668	VV	446	6365	0.10%	0.031%
146	10.670	10.668	10.703	VV	680	4642	0.07%	0.023%
147	10.785	10.703	10.798	VV	854	19053	0.29%	0.093%
148	10.861	10.798	10.911	VV	814	28320	0.43%	0.139%
149	10.931	10.911	11.008	VV	1135	14733	0.23%	0.072%
150	11.066	11.008	11.104	PV	1531	28327	0.44%	0.139%
151	11.138	11.104	11.201	VV	2094	35349	0.54%	0.173%
152	11.231	11.201	11.271	VV	495	10857	0.17%	0.053%
153	11.285	11.271	11.344	VV	357	4053	0.06%	0.020%
154	11.361	11.344	11.404	VV	1035	4775	0.07%	0.023%
155	11.435	11.404	11.454	VV	1981	11482	0.18%	0.056%
156	11.466	11.454	11.481	VV	472	5873	0.09%	0.029%
157	11.531	11.481	11.541	VV	608	14502	0.22%	0.071%
158	11.548	11.541	11.571	VV	584	7281	0.11%	0.036%
159	11.592	11.571	11.641	VV	492	13897	0.21%	0.068%
160	11.656	11.641	11.669	VV	93	1194	0.02%	0.006%
161	11.691	11.669	11.751	VV	2046	13868	0.21%	0.068%
162	11.801	11.751	11.838	VV	1038	33908	0.52%	0.166%
163	11.871	11.838	11.881	VV	1402	14674	0.23%	0.072%
164	11.904	11.881	11.920	VV	562	6924	0.11%	0.034%
165	11.942	11.920	11.985	VV	557	15021	0.23%	0.074%
166	12.015	11.985	12.069	VV	2412	33738	0.52%	0.165%
167	12.092	12.069	12.107	VV	1054	12807	0.20%	0.063%
168	12.122	12.107	12.153	VV	526	8341	0.13%	0.041%
169	12.168	12.153	12.194	VV	613	6302	0.10%	0.031%
170	12.254	12.194	12.267	VV	678	18216	0.28%	0.089%
171	12.305	12.267	12.356	VV	1313	30990	0.48%	0.152%
172	12.375	12.356	12.408	VV	1339	18308	0.28%	0.090%
173	12.444	12.408	12.478	VV	2136	30080	0.46%	0.147%
174	12.483	12.478	12.494	VV	275	2215	0.03%	0.011%
175	12.505	12.494	12.538	VV	231	4769	0.07%	0.023%
176	12.571	12.538	12.611	VV	1103	12247	0.19%	0.060%
177	12.617	12.611	12.674	VV	71	1079	0.02%	0.005%
178	12.699	12.674	12.721	PV	478	5532	0.08%	0.027%
179	12.731	12.721	12.752	VV	287	3740	0.06%	0.018%
180	12.765	12.752	12.784	VV	219	2368	0.04%	0.012%
181	12.811	12.784	12.830	VV	260	4940	0.08%	0.024%
182	12.892	12.830	13.004	VV	531419	6511812	100.00%	31.885%
183	13.010	13.004	13.092	VV	1385	37894	0.58%	0.186%
184	13.105	13.092	13.158	VV	600	16801	0.26%	0.082%
185	13.181	13.158	13.189	VV	334	5621	0.09%	0.028%
186	13.201	13.189	13.293	VV	556	21514	0.33%	0.105%
187	13.339	13.293	13.381	VV	637	20317	0.31%	0.099%
188	13.395	13.381	13.413	VV	222	3420	0.05%	0.017%
189	13.421	13.413	13.429	VV	982	3115	0.05%	0.015%
190	13.465	13.429	13.473	VV	2071	8797	0.14%	0.043%
191	13.507	13.473	13.534	VV	761	13224	0.20%	0.065%
192	13.585	13.534	13.612	VV	718	15854	0.24%	0.078%
193	13.641	13.612	13.718	VV	1914	31118	0.48%	0.152%
194	13.736	13.718	13.808	PV	81	1988	0.03%	0.010%

rteres

195	13.848	13.808	13.881	PV	526	4395	0.07%	0.022%
196	13.895	13.881	13.924	VV	244	4165	0.06%	0.020%
197	13.965	13.924	13.988	VV	661	4867	0.07%	0.024%
198	13.992	13.988	14.010	VV	403	1914	0.03%	0.009%
199	14.022	14.010	14.048	VV	366	2851	0.04%	0.014%
200	14.075	14.048	14.118	VV	1313	22936	0.35%	0.112%
201	14.128	14.118	14.134	VV	724	2997	0.05%	0.015%
202	14.201	14.134	14.214	VV	1497	24125	0.37%	0.118%
203	14.217	14.214	14.237	VV	1834	5823	0.09%	0.029%
204	14.259	14.237	14.268	VV	220	2652	0.04%	0.013%
205	14.357	14.268	14.432	VV	817	26134	0.40%	0.128%
206	14.451	14.432	14.468	VV	278	4145	0.06%	0.020%
207	14.511	14.468	14.628	VV	638	26814	0.41%	0.131%
208	14.650	14.628	14.672	VV	236	5213	0.08%	0.026%
209	14.691	14.672	14.717	VV	1877	15708	0.24%	0.077%
210	14.742	14.717	14.830	VV	2821	48765	0.75%	0.239%
211	14.850	14.830	14.893	PV	605	4603	0.07%	0.023%
212	14.917	14.893	14.958	VV	146	4059	0.06%	0.020%
213	14.991	14.958	15.001	VV	124	1649	0.03%	0.008%
214	15.013	15.001	15.022	VV	118	692	0.01%	0.003%
215	15.052	15.022	15.061	PV	134	1149	0.02%	0.006%
216	15.074	15.061	15.108	VV	114	1886	0.03%	0.009%
217	15.121	15.108	15.134	PV	396	2197	0.03%	0.011%
218	15.161	15.134	15.194	VV	356	7805	0.12%	0.038%
219	15.218	15.194	15.228	VV	844	3835	0.06%	0.019%
220	15.261	15.228	15.301	VV	2187	31540	0.48%	0.154%
221	15.316	15.301	15.329	VV	155	1710	0.03%	0.008%
222	15.372	15.329	15.387	VV	498	3310	0.05%	0.016%
223	15.467	15.387	15.504	VV	154	8039	0.12%	0.039%
224	15.518	15.504	15.604	VV	523	12864	0.20%	0.063%
225	15.630	15.604	15.683	VV	1230	11932	0.18%	0.058%
226	15.761	15.683	15.858	PV	2998	54100	0.83%	0.265%
227	15.901	15.858	15.924	PV	234	5079	0.08%	0.025%
228	16.014	15.924	16.090	VV	391	6247	0.10%	0.031%
229	16.243	16.090	16.308	PV	2426	43663	0.67%	0.214%
230	16.321	16.308	16.344	VV	229	3007	0.05%	0.015%
231	16.544	16.344	16.563	PV	211	10526	0.16%	0.052%
232	16.599	16.563	16.644	VV	542	10702	0.16%	0.052%
233	16.708	16.644	16.751	PV	2768	45518	0.70%	0.223%
234	16.772	16.751	16.791	VV	596	1957	0.03%	0.010%
235	17.158	16.791	17.216	PV	3181	46777	0.72%	0.229%
236	17.261	17.216	17.280	PV	453	7229	0.11%	0.035%
237	17.595	17.280	17.641	VV	3066	59234	0.91%	0.290%
238	17.749	17.641	17.773	PV	510	8057	0.12%	0.039%
239	17.876	17.773	17.898	PV	401	7436	0.11%	0.036%
240	18.017	17.898	18.050	VV	3366	47194	0.72%	0.231%
241	18.426	18.050	18.478	VV	2740	49974	0.77%	0.245%
242	18.821	18.478	18.851	PV	1646	-17029	-0.26%	-0.083%
243	19.208	18.851	19.234	PV	2247	93916	1.44%	0.460%
244	19.636	19.234	19.708	VV	6653	546853	8.40%	2.678%
245	19.948	19.708	19.969	VV	4868	474454	7.29%	2.323%
246	20.666	19.969	20.684	VV	12332	3673995	56.42%	17.989%

rteres

247	20.788	20.684	20.937	VV	11053	1584117	24.33%	7.757%
248	20.992	20.937	21.019	VV	8355	408880	6.28%	2.002%
249	21.199	21.019	21.222	VV	6217	835407	12.83%	4.091%
250	21.528	21.222	21.561	VV	2816	816090	12.53%	3.996%
251	21.602	21.561	21.654	VV	1976	92521	1.42%	0.453%
252	21.669	21.654	21.704	VV	712	13712	0.21%	0.067%

Sum of corrected areas: 20423055

Aliphatic EPH 121024.M Sat Dec 21 02:40:30 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048901.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 12:45
Operator : YP/AJ
Sample : P5299-01
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
SB-01

Integration File: autoint1.e
Quant Time: Dec 21 04:03:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
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...	7.359	9429099	55.981 ug/ml
Spiked Amount 50.000		Recovery = 111.96%	
6) S 2-Flurobiphenyl (SURR)	8.209	6138195	59.416 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 118.83%	
11) S ortho-Terphenyl (SURR)	11.245	6955373	39.150 ug/ml
Spiked Amount 50.000		Recovery = 78.30%	
Target Compounds			

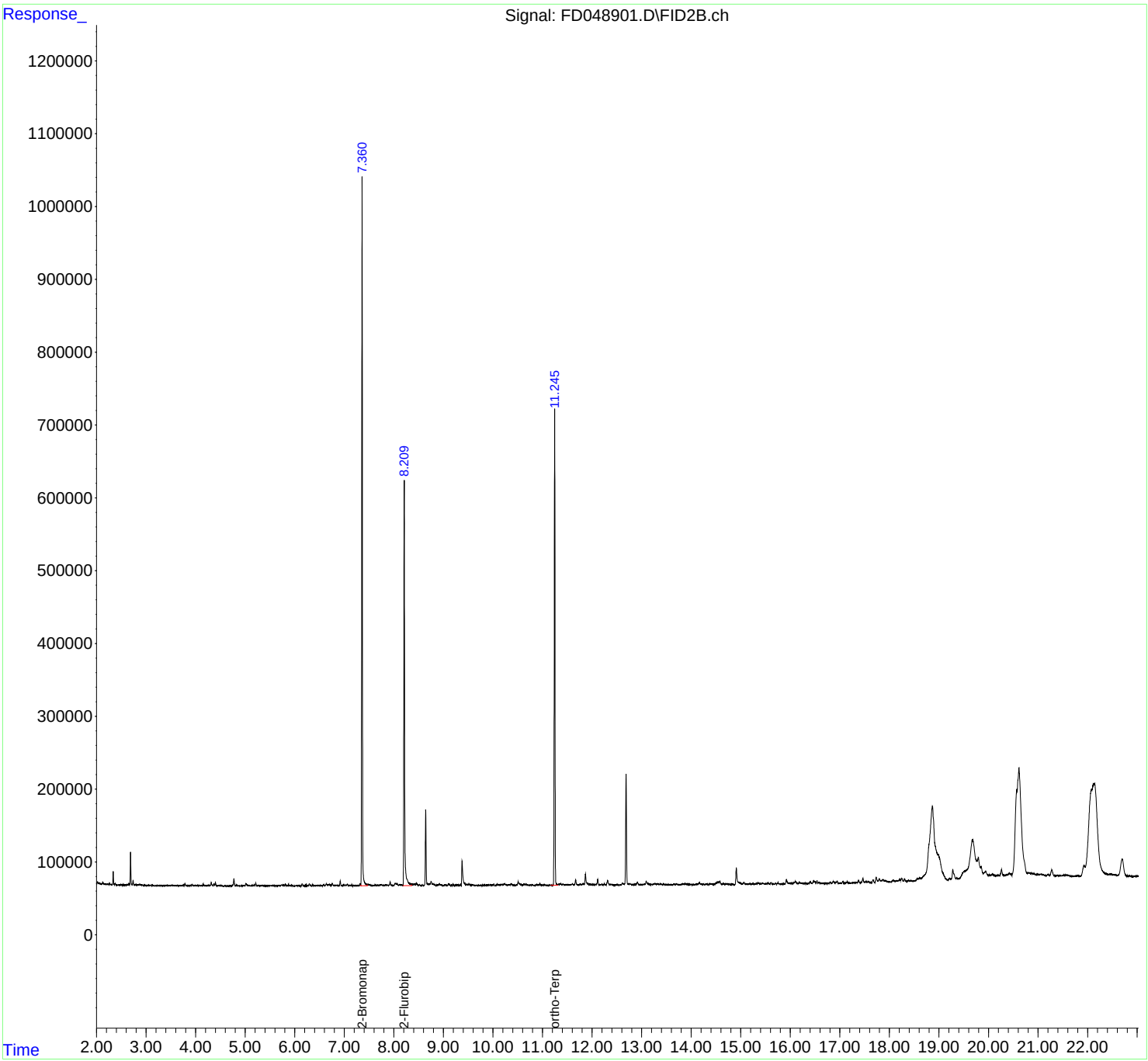
(f)=RT Delta > 1/2 Window (m)=manual int.

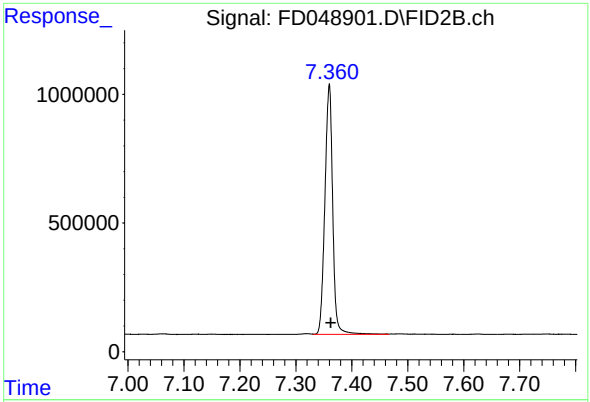
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048901.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 12:45
Operator : YP/AJ
Sample : P5299-01
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
SB-01

Integration File: autoint1.e
Quant Time: Dec 21 04:03:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

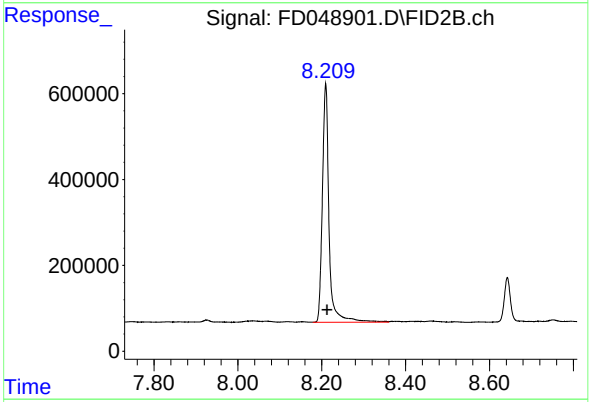




#4 2-Bromonaphthalene (SURR)

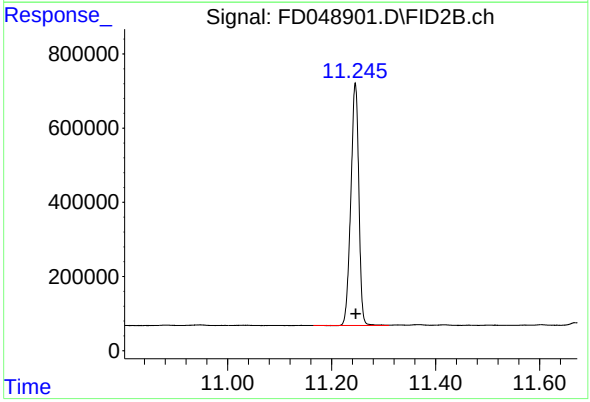
R.T.: 7.359 min
Delta R.T.: -0.003 min
Response: 9429099
Conc: 55.98 ug/ml

Instrument :
FID_D
ClientSampleId :
SB-01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.209 min
Delta R.T.: -0.004 min
Response: 6138195
Conc: 59.42 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.245 min
Delta R.T.: -0.001 min
Response: 6955373
Conc: 39.15 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048901.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 12:45
Sample : P5299-01
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.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	4.115	4.107	4.132	VV	171	1239	0.01%	0.003%
2	4.154	4.132	4.192	VV	1890	23764	0.25%	0.063%
3	4.196	4.192	4.212	VV	357	1925	0.02%	0.005%
4	4.233	4.220	4.242	VV	322	2660	0.03%	0.007%
5	4.260	4.242	4.288	VV	1061	11729	0.12%	0.031%
6	4.315	4.288	4.354	PV	4159	57091	0.60%	0.152%
7	4.370	4.354	4.385	VV	3177	31717	0.34%	0.084%
8	4.399	4.385	4.442	VV	4612	47474	0.50%	0.126%
9	4.447	4.442	4.458	VV	219	1577	0.02%	0.004%
10	4.476	4.458	4.496	VV	934	9812	0.10%	0.026%
11	4.511	4.496	4.555	VV	816	11668	0.12%	0.031%
12	4.586	4.555	4.602	VV	631	7488	0.08%	0.020%
13	4.609	4.602	4.642	PV	251	1871	0.02%	0.005%
14	4.668	4.653	4.674	PV	245	1551	0.02%	0.004%
15	4.693	4.674	4.731	VV	723	11994	0.13%	0.032%
16	4.772	4.731	4.808	VV	9998	137109	1.45%	0.364%
17	4.828	4.808	4.857	VV	2310	27848	0.29%	0.074%
18	4.878	4.857	4.906	VV	435	8757	0.09%	0.023%
19	4.932	4.906	4.943	VV	545	6213	0.07%	0.017%
20	4.963	4.943	4.985	VV	924	15006	0.16%	0.040%
21	5.015	4.985	5.075	VV	3412	84775	0.90%	0.225%
22	5.082	5.075	5.092	VV	807	7191	0.08%	0.019%
23	5.095	5.092	5.109	VV	680	6036	0.06%	0.016%
24	5.138	5.109	5.162	VV	1053	22748	0.24%	0.060%
25	5.178	5.162	5.195	VV	1793	25379	0.27%	0.067%

rteres

26	5.214	5.195	5.241	VV	3918	49198	0.52%	0.131%
27	5.245	5.241	5.249	VV	493	2391	0.03%	0.006%
28	5.270	5.249	5.297	VV	1152	19365	0.21%	0.051%
29	5.303	5.297	5.310	VV	553	3646	0.04%	0.010%
30	5.333	5.310	5.354	VV	919	18179	0.19%	0.048%
31	5.362	5.354	5.387	VV	859	11046	0.12%	0.029%
32	5.394	5.387	5.402	VV	502	3710	0.04%	0.010%
33	5.411	5.402	5.420	VV	446	4267	0.05%	0.011%
34	5.424	5.420	5.435	VV	527	3826	0.04%	0.010%
35	5.439	5.435	5.443	VV	416	1920	0.02%	0.005%
36	5.462	5.443	5.504	VV	886	17927	0.19%	0.048%
37	5.529	5.504	5.534	VV	674	9381	0.10%	0.025%
38	5.539	5.534	5.552	VV	586	5346	0.06%	0.014%
39	5.558	5.552	5.568	VV	561	4355	0.05%	0.012%
40	5.584	5.568	5.590	VV	701	5929	0.06%	0.016%
41	5.595	5.590	5.607	VV	556	4224	0.04%	0.011%
42	5.625	5.607	5.644	VV	835	12162	0.13%	0.032%
43	5.672	5.644	5.678	VV	777	11112	0.12%	0.030%
44	5.684	5.678	5.689	VV	846	5102	0.05%	0.014%
45	5.690	5.689	5.700	VV	950	5364	0.06%	0.014%
46	5.739	5.700	5.750	VV	1764	36906	0.39%	0.098%
47	5.767	5.750	5.791	VV	1676	32286	0.34%	0.086%
48	5.809	5.791	5.835	VV	2759	39216	0.42%	0.104%
49	5.840	5.835	5.853	VV	738	7412	0.08%	0.020%
50	5.875	5.853	5.910	VV	1928	35470	0.38%	0.094%
51	5.938	5.910	5.961	VV	1047	22065	0.23%	0.059%
52	5.967	5.961	5.984	VV	409	3744	0.04%	0.010%
53	5.998	5.984	6.010	VV	301	2015	0.02%	0.005%
54	6.034	6.010	6.061	PV	729	13748	0.15%	0.037%
55	6.065	6.061	6.071	VV	478	1981	0.02%	0.005%
56	6.079	6.071	6.087	VV	392	3118	0.03%	0.008%
57	6.094	6.087	6.103	VV	391	3315	0.04%	0.009%
58	6.108	6.103	6.122	VV	444	3590	0.04%	0.010%
59	6.148	6.122	6.169	VV	3181	40666	0.43%	0.108%
60	6.186	6.169	6.208	VV	725	10287	0.11%	0.027%
61	6.227	6.208	6.247	VV	1898	22564	0.24%	0.060%
62	6.263	6.247	6.275	VV	1229	13450	0.14%	0.036%
63	6.295	6.275	6.312	VV	3286	37871	0.40%	0.101%
64	6.327	6.312	6.346	VV	1107	13860	0.15%	0.037%
65	6.364	6.346	6.387	VV	1658	21421	0.23%	0.057%
66	6.402	6.387	6.425	VV	644	11561	0.12%	0.031%
67	6.472	6.425	6.491	VV	904	26336	0.28%	0.070%
68	6.512	6.491	6.558	VV	981	30284	0.32%	0.080%
69	6.583	6.558	6.616	VV	2275	40908	0.43%	0.109%

rteres

70	6.638	6.616	6.651	VV	2645	40342	0.43%	0.107%
71	6.659	6.651	6.671	VV	1895	20934	0.22%	0.056%
72	6.684	6.671	6.692	VV	2196	24302	0.26%	0.065%
73	6.701	6.692	6.727	VV	2315	33649	0.36%	0.089%
74	6.761	6.727	6.784	VV	3374	57630	0.61%	0.153%
75	6.796	6.784	6.800	VV	960	7598	0.08%	0.020%
76	6.804	6.800	6.820	VV	1042	9767	0.10%	0.026%
77	6.841	6.820	6.883	VV	1320	32354	0.34%	0.086%
78	6.889	6.883	6.896	VV	537	3236	0.03%	0.009%
79	6.918	6.896	6.950	VV	6917	83656	0.89%	0.222%
80	6.982	6.950	7.015	VV	1493	38541	0.41%	0.102%
81	7.027	7.015	7.040	VV	1413	16313	0.17%	0.043%
82	7.062	7.040	7.089	VV	2863	42229	0.45%	0.112%
83	7.097	7.089	7.105	VV	741	6214	0.07%	0.017%
84	7.118	7.105	7.135	VV	1124	16276	0.17%	0.043%
85	7.151	7.135	7.175	VV	1625	21840	0.23%	0.058%
86	7.179	7.175	7.184	VV	421	1892	0.02%	0.005%
87	7.199	7.184	7.208	VV	501	6107	0.06%	0.016%
88	7.225	7.208	7.252	VV	840	16756	0.18%	0.045%
89	7.264	7.252	7.277	VV	679	9174	0.10%	0.024%
90	7.319	7.277	7.333	VV	3458	50763	0.54%	0.135%
91	7.360	7.333	7.455	VV	976685	9444504	100.00%	25.091%
92	7.462	7.455	7.466	VV	2200	13486	0.14%	0.036%
93	7.488	7.466	7.504	VV	2431	46560	0.49%	0.124%
94	7.512	7.504	7.531	VV	1627	22559	0.24%	0.060%
95	7.537	7.531	7.570	VV	1137	20403	0.22%	0.054%
96	7.583	7.570	7.606	VV	1071	17166	0.18%	0.046%
97	7.626	7.606	7.646	VV	1922	26387	0.28%	0.070%
98	7.656	7.646	7.667	VV	819	9201	0.10%	0.024%
99	7.682	7.667	7.698	VV	1213	17558	0.19%	0.047%
100	7.717	7.698	7.726	VV	1287	18314	0.19%	0.049%
101	7.748	7.726	7.765	VV	1984	32481	0.34%	0.086%
102	7.781	7.765	7.802	VV	1119	21210	0.22%	0.056%
103	7.804	7.802	7.813	VV	877	5355	0.06%	0.014%
104	7.835	7.813	7.847	VV	1415	22467	0.24%	0.060%
105	7.859	7.847	7.874	VV	1354	18466	0.20%	0.049%
106	7.879	7.874	7.883	VV	1080	5267	0.06%	0.014%
107	7.926	7.883	7.987	VV	5713	106666	1.13%	0.283%
108	8.037	7.987	8.059	VV	3590	95399	1.01%	0.253%
109	8.069	8.059	8.099	VV	2899	47643	0.50%	0.127%
110	8.120	8.099	8.137	VV	1755	30061	0.32%	0.080%
111	8.154	8.137	8.184	VV	1629	28356	0.30%	0.075%
112	8.210	8.184	8.337	VV	555625	6157272	65.19%	16.358%

rteres

113	8.341	8.337	8.359	VV	2381	29916	0.32%	0.079%
114	8.380	8.359	8.397	VV	2492	49052	0.52%	0.130%
115	8.412	8.397	8.425	VV	2461	37860	0.40%	0.101%
116	8.432	8.425	8.445	VV	2383	25797	0.27%	0.069%
117	8.460	8.445	8.502	VV	3235	72551	0.77%	0.193%
118	8.516	8.502	8.557	VV	1614	27447	0.29%	0.073%
119	8.575	8.557	8.596	VV	1188	20303	0.21%	0.054%
120	8.643	8.596	8.671	VV	104641	1077049	11.40%	2.861%
121	8.676	8.671	8.689	VV	3147	29526	0.31%	0.078%
122	8.695	8.689	8.706	VV	2382	22889	0.24%	0.061%
123	8.718	8.706	8.730	VV	2854	35020	0.37%	0.093%
124	8.752	8.730	8.777	VV	5863	105449	1.12%	0.280%
125	8.794	8.777	8.814	VV	2765	49540	0.52%	0.132%
126	8.827	8.814	8.860	VV	2097	29941	0.32%	0.080%
127	8.877	8.860	8.892	VV	1233	16868	0.18%	0.045%
128	8.924	8.892	8.946	VV	2008	49341	0.52%	0.131%
129	8.950	8.946	8.993	VV	1311	22494	0.24%	0.060%
130	9.041	8.993	9.067	VV	1395	34834	0.37%	0.093%
131	9.102	9.067	9.147	VV	2288	59475	0.63%	0.158%
132	9.151	9.147	9.157	VV	658	3588	0.04%	0.010%
133	9.192	9.157	9.233	VV	1558	43837	0.46%	0.116%
134	9.244	9.233	9.259	VV	1176	13545	0.14%	0.036%
135	9.274	9.259	9.288	VV	1256	16983	0.18%	0.045%
136	9.295	9.288	9.332	VV	1248	22380	0.24%	0.059%
137	9.345	9.332	9.359	VV	1621	17481	0.19%	0.046%
138	9.377	9.359	9.459	VV	34114	573670	6.07%	1.524%
139	9.465	9.459	9.470	VV	1911	11941	0.13%	0.032%
140	9.474	9.470	9.499	VV	1912	24809	0.26%	0.066%
141	9.517	9.499	9.549	VV	2663	46056	0.49%	0.122%
142	9.556	9.549	9.573	VV	1165	13337	0.14%	0.035%
143	9.590	9.573	9.647	VV	1349	41371	0.44%	0.110%
144	9.658	9.647	9.668	VV	768	7743	0.08%	0.021%
145	9.683	9.668	9.704	VV	836	13921	0.15%	0.037%
146	9.717	9.704	9.745	VV	819	15169	0.16%	0.040%
147	9.758	9.745	9.777	VV	922	12538	0.13%	0.033%
148	9.791	9.777	9.806	VV	749	8710	0.09%	0.023%
149	9.829	9.806	9.849	VV	1285	20475	0.22%	0.054%
150	9.862	9.849	9.870	VV	863	9104	0.10%	0.024%
151	9.890	9.870	9.895	VV	1005	12849	0.14%	0.034%
152	9.908	9.895	9.922	VV	1282	16584	0.18%	0.044%
153	9.938	9.922	9.960	VV	1285	23017	0.24%	0.061%
154	9.966	9.960	9.971	VV	753	5299	0.06%	0.014%
155	9.985	9.971	9.999	VV	1047	15234	0.16%	0.040%

rteres

156	10.017	9.999	10.045	VV	2154	33448	0.35%	0.089%
157	10.087	10.045	10.101	VV	2090	42845	0.45%	0.114%
158	10.110	10.101	10.125	VV	1788	19678	0.21%	0.052%
159	10.140	10.125	10.160	VV	1494	25696	0.27%	0.068%
160	10.183	10.160	10.202	VV	1740	35831	0.38%	0.095%
161	10.235	10.202	10.283	VV	2808	86800	0.92%	0.231%
162	10.299	10.283	10.313	VV	1258	19291	0.20%	0.051%
163	10.337	10.313	10.350	VV	1594	30622	0.32%	0.081%
164	10.372	10.350	10.425	VV	3060	68887	0.73%	0.183%
165	10.432	10.425	10.448	VV	968	11428	0.12%	0.030%
166	10.466	10.448	10.477	VV	1100	16173	0.17%	0.043%
167	10.510	10.477	10.588	VV	5212	148425	1.57%	0.394%
168	10.638	10.588	10.657	VV	2681	72142	0.76%	0.192%
169	10.668	10.657	10.689	VV	2018	29841	0.32%	0.079%
170	10.703	10.689	10.725	VV	1175	17734	0.19%	0.047%
171	10.749	10.725	10.767	VV	793	16657	0.18%	0.044%
172	10.787	10.767	10.824	VV	1055	24190	0.26%	0.064%
173	10.883	10.824	10.910	VV	1615	39746	0.42%	0.106%
174	10.947	10.910	10.976	VV	2247	49704	0.53%	0.132%
175	10.996	10.976	11.005	VV	904	11735	0.12%	0.031%
176	11.033	11.005	11.067	VV	1169	30404	0.32%	0.081%
177	11.092	11.067	11.122	VV	697	16254	0.17%	0.043%
178	11.141	11.122	11.209	VV	801	27795	0.29%	0.074%
179	11.246	11.209	11.310	VV	654745	6997948	74.10%	18.591%
180	11.327	11.310	11.349	VV	2005	39553	0.42%	0.105%
181	11.367	11.349	11.391	VV	2764	52149	0.55%	0.139%
182	11.416	11.391	11.450	VV	2387	51951	0.55%	0.138%
183	11.464	11.450	11.483	VV	1272	20215	0.21%	0.054%
184	11.504	11.483	11.547	VV	1329	41052	0.43%	0.109%
185	11.574	11.547	11.589	VV	1544	31652	0.34%	0.084%
186	11.603	11.589	11.640	VV	2623	52133	0.55%	0.138%
187	11.668	11.640	11.700	VV	7940	130049	1.38%	0.345%
188	11.706	11.700	11.730	VV	1679	22322	0.24%	0.059%
189	11.760	11.730	11.789	VV	1824	50250	0.53%	0.133%
190	11.824	11.789	11.843	VV	2534	61802	0.65%	0.164%
191	11.866	11.843	11.932	VV	15855	293795	3.11%	0.781%
192	11.941	11.932	11.974	VV	1840	38654	0.41%	0.103%
193	11.982	11.974	11.999	VV	1389	19744	0.21%	0.052%
194	12.023	11.999	12.050	VV	1631	41320	0.44%	0.110%
195	12.113	12.050	12.142	VV	8078	152478	1.61%	0.405%
196	12.150	12.142	12.165	VV	1011	13790	0.15%	0.037%
197	12.188	12.165	12.220	VV	1862	42889	0.45%	0.114%
198	12.250	12.220	12.275	VV	2617	46804	0.50%	0.124%
199	12.314	12.275	12.358	VV	7170	153962	1.63%	0.409%

rteres

200	12.379	12.358	12.409	VV	1961	41867	0.44%	0.111%
201	12.416	12.409	12.427	VV	904	7972	0.08%	0.021%
202	12.443	12.427	12.459	VV	706	12398	0.13%	0.033%
203	12.501	12.459	12.509	VV	1195	26439	0.28%	0.070%
204	12.515	12.509	12.552	VV	1261	24166	0.26%	0.064%
205	12.568	12.552	12.586	VV	886	14902	0.16%	0.040%
206	12.610	12.586	12.636	VV	3208	64994	0.69%	0.173%
207	12.645	12.636	12.653	VV	2138	22232	0.24%	0.059%
208	12.686	12.653	12.737	VV	153636	1853498	19.63%	4.924%
209	12.765	12.737	12.812	VV	2526	78947	0.84%	0.210%
210	12.881	12.812	12.888	VV	1718	64441	0.68%	0.171%
211	12.915	12.888	12.952	VV	4967	102406	1.08%	0.272%
212	12.966	12.952	13.015	VV	1471	50011	0.53%	0.133%
213	13.093	13.015	13.169	VV	6083	222180	2.35%	0.590%
214	13.203	13.169	13.218	VV	1499	39961	0.42%	0.106%
215	13.268	13.218	13.295	VV	2730	87556	0.93%	0.233%
216	13.313	13.295	13.356	VV	2421	61893	0.66%	0.164%
217	13.391	13.356	13.415	VV	2178	58950	0.62%	0.157%
218	13.441	13.415	13.460	VV	2258	42623	0.45%	0.113%
219	13.470	13.460	13.482	VV	1420	15942	0.17%	0.042%
220	13.493	13.482	13.517	VV	1274	23676	0.25%	0.063%
221	13.537	13.517	13.597	VV	1296	50363	0.53%	0.134%
222	13.610	13.597	13.618	VV	1007	11833	0.13%	0.031%
223	13.656	13.618	13.676	VV	1708	48310	0.51%	0.128%
224	13.697	13.676	13.760	VV	2067	74434	0.79%	0.198%
225	13.767	13.760	13.780	VV	1170	12766	0.14%	0.034%
226	13.803	13.780	13.822	VV	1655	35057	0.37%	0.093%
227	13.838	13.822	13.862	VV	1904	42829	0.45%	0.114%
228	13.875	13.862	13.917	VV	2374	59565	0.63%	0.158%
229	13.928	13.917	13.940	VV	1595	20282	0.21%	0.054%
230	13.960	13.940	13.979	VV	1524	32234	0.34%	0.086%
231	14.003	13.979	14.050	VV	1564	56539	0.60%	0.150%
232	14.057	14.050	14.077	VV	1389	19763	0.21%	0.053%
233	14.098	14.077	14.114	VV	1519	29493	0.31%	0.078%
234	14.167	14.114	14.236	VV	3797	142602	1.51%	0.379%
235	14.253	14.236	14.274	VV	1453	29591	0.31%	0.079%
236	14.309	14.274	14.332	VV	1738	52774	0.56%	0.140%
237	14.347	14.332	14.360	VV	1561	24532	0.26%	0.065%
238	14.383	14.360	14.449	VV	2159	85968	0.91%	0.228%
239	14.463	14.449	14.470	VV	1460	17226	0.18%	0.046%
240	14.509	14.470	14.521	VV	3997	85096	0.90%	0.226%
241	14.543	14.521	14.563	VV	4814	104218	1.10%	0.277%
242	14.580	14.563	14.628	VV	5840	125699	1.33%	0.334%

rteres

243	14.652	14.628	14.684	VV	2512	63652	0.67%	0.169%
244	14.708	14.684	14.760	VV	1909	76709	0.81%	0.204%
245	14.770	14.760	14.817	VV	1449	45374	0.48%	0.121%
246	14.832	14.817	14.869	VV	1752	41613	0.44%	0.111%
247	14.911	14.869	15.035	PV	23927	555175	5.88%	1.475%
248	15.067	15.035	15.093	VV	3730	83488	0.88%	0.222%
249	15.110	15.093	15.147	VV	1742	45501	0.48%	0.121%
250	15.183	15.147	15.213	VV	1659	58409	0.62%	0.155%
251	15.221	15.213	15.234	VV	1393	17227	0.18%	0.046%
252	15.252	15.234	15.276	VV	1970	41010	0.43%	0.109%
253	15.286	15.276	15.292	VV	1430	11966	0.13%	0.032%
254	15.318	15.292	15.334	VV	1704	37903	0.40%	0.101%
255	15.356	15.334	15.395	VV	2749	73067	0.77%	0.194%
256	15.401	15.395	15.410	VV	1523	13497	0.14%	0.036%
257	15.438	15.410	15.480	VV	2241	72795	0.77%	0.193%
258	15.515	15.480	15.532	VV	1839	43752	0.46%	0.116%
259	15.552	15.532	15.579	VV	2314	46509	0.49%	0.124%
260	15.614	15.579	15.649	VV	2856	64503	0.68%	0.171%
261	15.657	15.649	15.667	VV	742	7529	0.08%	0.020%
262	15.704	15.667	15.729	VV	1987	41788	0.44%	0.111%
263	15.754	15.729	15.822	VV	2148	59003	0.62%	0.157%
264	15.833	15.822	15.846	VV	655	8070	0.09%	0.021%
265	15.869	15.846	15.885	VV	724	13672	0.14%	0.036%
266	15.921	15.885	15.995	VV	6781	161210	1.71%	0.428%
267	16.031	15.995	16.052	VV	1672	42560	0.45%	0.113%
268	16.071	16.052	16.087	VV	2453	41863	0.44%	0.111%
269	16.106	16.087	16.152	VV	3993	93021	0.98%	0.247%
270	16.182	16.152	16.220	VV	2358	65132	0.69%	0.173%
271	16.233	16.220	16.270	VV	1387	34436	0.36%	0.091%
272	16.286	16.270	16.325	VV	888	23826	0.25%	0.063%
273	16.331	16.325	16.337	VV	576	4132	0.04%	0.011%
274	16.344	16.337	16.370	VV	608	9753	0.10%	0.026%
275	16.404	16.370	16.437	VV	2909	61665	0.65%	0.164%
276	16.469	16.437	16.482	VV	3767	64104	0.68%	0.170%
277	16.493	16.482	16.522	VV	3473	58757	0.62%	0.156%
278	16.538	16.522	16.560	VV	3647	54230	0.57%	0.144%
279	16.574	16.560	16.665	VV	1748	49710	0.53%	0.132%
280	16.671	16.665	16.695	VV	252	3977	0.04%	0.011%
281	16.712	16.695	16.739	PV	301	3786	0.04%	0.010%
282	16.802	16.739	16.835	VV	1974	41836	0.44%	0.111%
283	16.865	16.835	16.904	VV	2536	60662	0.64%	0.161%
284	16.943	16.904	17.002	VV	3250	65649	0.70%	0.174%
285	17.060	17.002	17.102	VV	1982	44002	0.47%	0.117%

rteres

286	17.149	17.102	17.215	PV	1869	43723	0.46%	0.116%
287	17.253	17.215	17.295	VV	595	16901	0.18%	0.045%
288	17.379	17.295	17.410	VV	3538	78431	0.83%	0.208%
289	17.422	17.410	17.434	VV	574	6856	0.07%	0.018%
290	17.466	17.434	17.504	VV	6361	107944	1.14%	0.287%
291	17.526	17.504	17.552	VV	2009	36577	0.39%	0.097%
292	17.577	17.552	17.617	VV	1300	26745	0.28%	0.071%
293	17.671	17.617	17.705	PV	3932	66087	0.70%	0.176%
294	17.733	17.705	17.768	VV	7561	141895	1.50%	0.377%
295	17.799	17.768	17.822	VV	5060	107413	1.14%	0.285%
296	17.833	17.822	17.840	VV	2240	22578	0.24%	0.060%
297	17.865	17.840	18.029	VV	3634	166922	1.77%	0.443%
298	18.074	18.029	18.119	PV	2242	61112	0.65%	0.162%
299	18.152	18.119	18.162	VV	1190	27222	0.29%	0.072%
300	18.207	18.162	18.225	VV	3864	73088	0.77%	0.194%
301	18.247	18.225	18.280	VV	4307	75025	0.79%	0.199%

Sum of corrected areas: 37641604

Aromatic EPH 121024.M Sat Dec 21 05:20:08 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068064.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 13:21
Operator : YP/AJ
Sample : P5299-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
SB-02

Integration File: autoint1.e
Quant Time: Dec 21 01:51:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.888	5658224	44.345 ug/ml
Spiked Amount 50.000		Recovery = 88.69%	
Target Compounds			

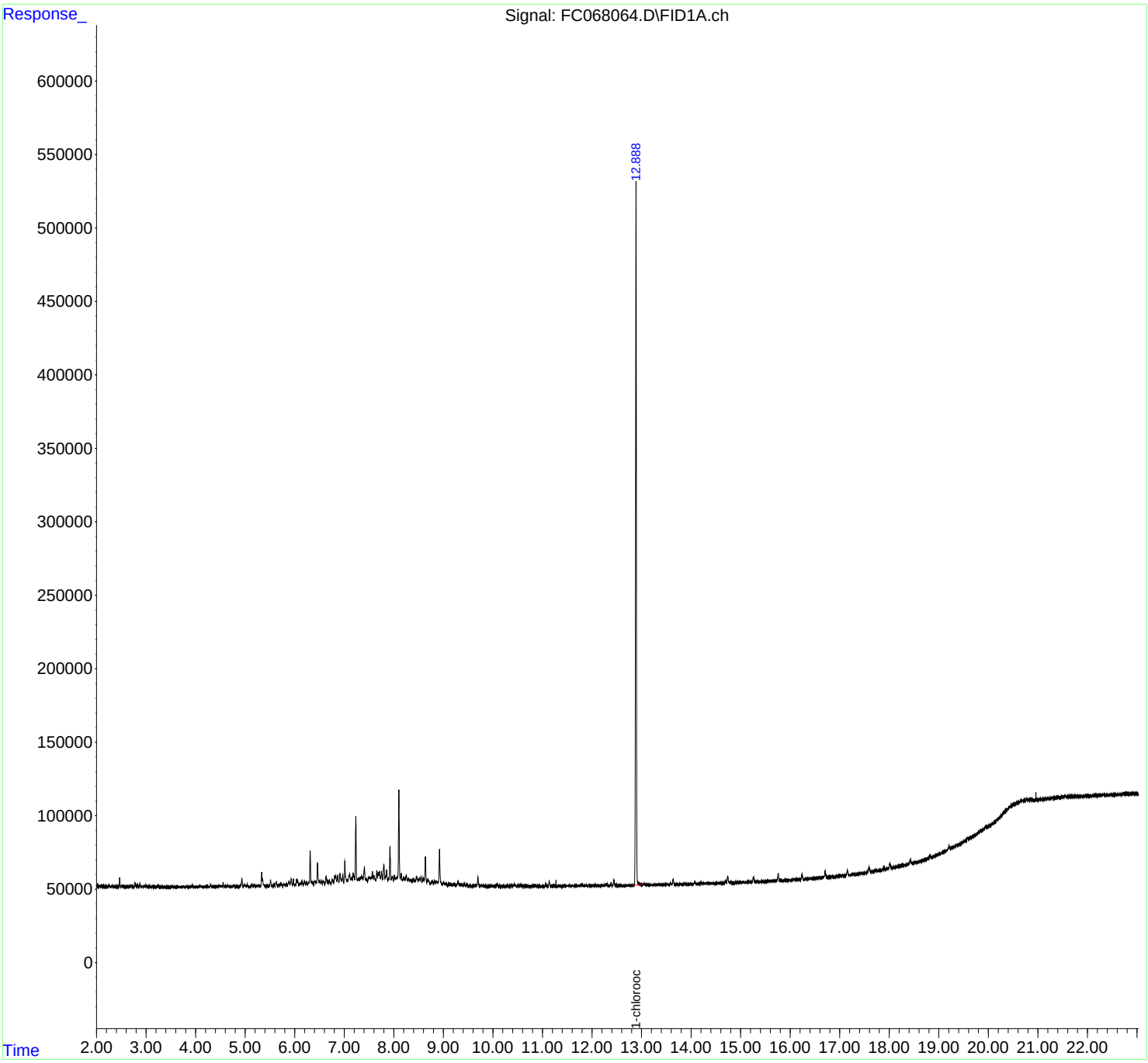
(f)=RT Delta > 1/2 Window (m)=manual int.

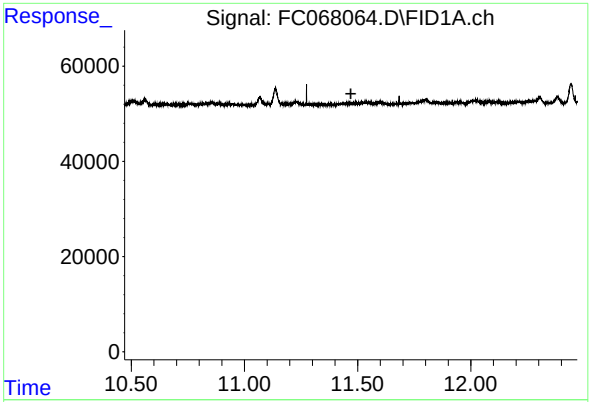
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068064.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 13:21
Operator : YP/AJ
Sample : P5299-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
SB-02

Integration File: autoint1.e
Quant Time: Dec 21 01:51:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

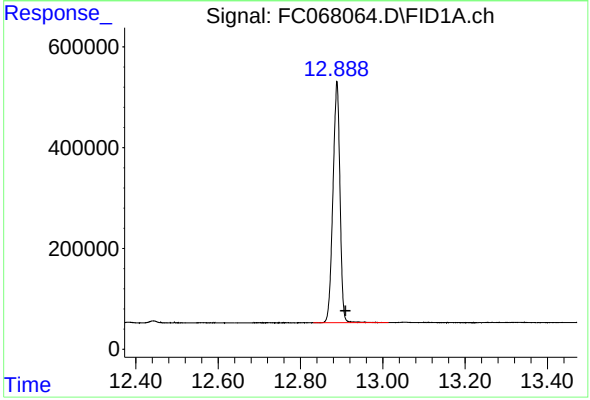




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.470 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
SB-02



#12 1-chlorooctadecane (SURR)

R.T.: 12.888 min
Delta R.T.: -0.021 min
Response: 5658224
Conc: 44.35 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068064.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 13:21
Sample : P5299-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.180	3.138	3.204	BV	86	569	0.01%	0.002%
2	3.245	3.204	3.284	PV	515	8368	0.15%	0.028%
3	3.290	3.284	3.317	VV	86	967	0.02%	0.003%
4	3.341	3.317	3.379	PV	137	2658	0.05%	0.009%
5	3.388	3.379	3.434	VV	86	1811	0.03%	0.006%
6	3.446	3.434	3.464	VV	194	1427	0.03%	0.005%
7	3.479	3.464	3.490	PV	85	916	0.02%	0.003%
8	3.513	3.490	3.549	VV	231	4853	0.09%	0.016%
9	3.565	3.549	3.586	VV	362	3557	0.06%	0.012%
10	3.614	3.586	3.632	VV	277	3553	0.06%	0.012%
11	3.647	3.632	3.667	VV	113	1631	0.03%	0.005%
12	3.734	3.667	3.798	VV	387	11283	0.20%	0.037%
13	3.816	3.798	3.832	VV	344	3939	0.07%	0.013%
14	3.841	3.832	3.873	VV	159	3278	0.06%	0.011%
15	3.906	3.873	3.919	PV	761	8709	0.15%	0.029%
16	3.934	3.919	3.953	VV	1325	12889	0.23%	0.043%
17	4.000	3.953	4.028	VV	478	9242	0.16%	0.030%
18	4.081	4.028	4.098	VV	1234	21657	0.38%	0.071%
19	4.120	4.098	4.187	VV	382	11740	0.21%	0.039%
20	4.215	4.187	4.242	VV	327	7348	0.13%	0.024%
21	4.255	4.242	4.278	VV	397	4927	0.09%	0.016%
22	4.303	4.278	4.331	VV	2037	24322	0.43%	0.080%
23	4.342	4.331	4.361	VV	372	4670	0.08%	0.015%
24	4.373	4.361	4.389	VV	329	4225	0.07%	0.014%
25	4.406	4.389	4.434	VV	552	9288	0.16%	0.031%
26	4.469	4.434	4.487	VV	1568	21658	0.38%	0.071%
27	4.500	4.487	4.511	VV	623	6905	0.12%	0.023%
28	4.525	4.511	4.539	VV	1197	12395	0.22%	0.041%
29	4.555	4.539	4.571	VV	3071	29543	0.52%	0.097%
30	4.581	4.571	4.597	VV	936	9534	0.17%	0.031%
31	4.628	4.597	4.658	VV	779	17509	0.31%	0.058%
32	4.670	4.658	4.691	VV	691	8303	0.15%	0.027%
33	4.710	4.691	4.731	VV	684	11094	0.19%	0.037%
34	4.769	4.731	4.803	VV	1721	27270	0.48%	0.090%
35	4.820	4.803	4.835	VV	432	6009	0.11%	0.020%
36	4.855	4.835	4.876	VV	838	10110	0.18%	0.033%

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37	4.933	4.876	4.961	PV	5615	88547	1.55%	0.292%
38	4.981	4.961	5.005	VV	1886	30839	0.54%	0.102%
39	5.013	5.005	5.023	VV	881	8563	0.15%	0.028%
40	5.040	5.023	5.078	VV	1874	27520	0.48%	0.091%
41	5.093	5.078	5.108	VV	463	6427	0.11%	0.021%
42	5.134	5.108	5.177	VV	1721	38435	0.67%	0.127%
43	5.194	5.177	5.210	VV	1558	21936	0.38%	0.072%
44	5.224	5.210	5.236	VV	1072	13120	0.23%	0.043%
45	5.251	5.236	5.268	VV	1199	18097	0.32%	0.060%
46	5.281	5.268	5.298	VV	982	15305	0.27%	0.050%
47	5.334	5.298	5.391	VV	10204	182460	3.20%	0.602%
48	5.401	5.391	5.413	VV	774	8666	0.15%	0.029%
49	5.430	5.413	5.441	VV	965	12938	0.23%	0.043%
50	5.452	5.441	5.471	VV	890	13954	0.24%	0.046%
51	5.480	5.471	5.494	VV	1003	11937	0.21%	0.039%
52	5.512	5.494	5.542	VV	4999	66288	1.16%	0.219%
53	5.587	5.542	5.601	VV	1486	32666	0.57%	0.108%
54	5.625	5.601	5.663	VV	3172	64653	1.13%	0.213%
55	5.679	5.663	5.692	VV	1661	21000	0.37%	0.069%
56	5.720	5.692	5.757	VV	3138	61770	1.08%	0.204%
57	5.786	5.757	5.805	VV	2045	41083	0.72%	0.136%
58	5.834	5.805	5.852	VV	1943	44198	0.78%	0.146%
59	5.882	5.852	5.905	VV	3969	82766	1.45%	0.273%
60	5.929	5.905	5.952	VV	5269	90780	1.59%	0.299%
61	5.973	5.952	6.000	VV	5372	79732	1.40%	0.263%
62	6.035	6.000	6.048	VV	5156	82556	1.45%	0.272%
63	6.060	6.048	6.084	VV	4113	64812	1.14%	0.214%
64	6.118	6.084	6.128	VV	2429	55400	0.97%	0.183%
65	6.145	6.128	6.173	VV	4511	72310	1.27%	0.239%
66	6.196	6.173	6.221	VV	3653	82031	1.44%	0.271%
67	6.240	6.221	6.258	VV	3963	64124	1.12%	0.212%
68	6.313	6.258	6.359	VV	24348	382215	6.70%	1.261%
69	6.369	6.359	6.384	VV	2843	35267	0.62%	0.116%
70	6.405	6.384	6.424	VV	3952	75350	1.32%	0.249%
71	6.435	6.424	6.440	VV	3168	28418	0.50%	0.094%
72	6.461	6.440	6.489	VV	16213	229012	4.02%	0.755%
73	6.498	6.489	6.515	VV	4111	55788	0.98%	0.184%
74	6.531	6.515	6.554	VV	4586	78663	1.38%	0.259%
75	6.572	6.554	6.607	VV	3986	97684	1.71%	0.322%
76	6.632	6.607	6.656	VV	6798	128560	2.25%	0.424%
77	6.667	6.656	6.681	VV	4014	50434	0.88%	0.166%
78	6.696	6.681	6.734	VV	3944	100094	1.76%	0.330%
79	6.755	6.734	6.785	VV	4810	115485	2.03%	0.381%
80	6.808	6.785	6.819	VV	7702	117729	2.06%	0.388%
81	6.828	6.819	6.848	VV	7429	104452	1.83%	0.345%
82	6.870	6.848	6.893	VV	7902	145627	2.55%	0.480%
83	6.914	6.893	6.950	VV	8999	194751	3.41%	0.642%
84	6.970	6.950	6.989	VV	8062	126267	2.21%	0.416%
85	7.012	6.989	7.049	VV	17530	295071	5.17%	0.973%
86	7.065	7.049	7.076	VV	4988	73853	1.30%	0.244%
87	7.109	7.076	7.128	VV	9097	210631	3.69%	0.695%
88	7.149	7.128	7.163	VV	5922	117089	2.05%	0.386%
89	7.181	7.163	7.210	VV	9191	195846	3.43%	0.646%

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90	7.234	7.210	7.262	VV	47902	589827	10.34%	1.946%
91	7.284	7.262	7.308	VV	5706	140727	2.47%	0.464%
92	7.325	7.308	7.335	VV	6321	87184	1.53%	0.288%
93	7.353	7.335	7.379	VV	7194	167721	2.94%	0.553%
94	7.406	7.379	7.435	VV	13505	274065	4.81%	0.904%
95	7.449	7.435	7.470	VV	5255	100872	1.77%	0.333%
96	7.493	7.470	7.506	VV	6652	117843	2.07%	0.389%
97	7.518	7.506	7.534	VV	6314	98912	1.73%	0.326%
98	7.569	7.534	7.585	VV	10418	222543	3.90%	0.734%
99	7.599	7.585	7.635	VV	7792	180418	3.16%	0.595%
100	7.658	7.635	7.673	VV	11076	171517	3.01%	0.566%
101	7.688	7.673	7.698	VV	9606	128733	2.26%	0.425%
102	7.710	7.698	7.728	VV	9869	140467	2.46%	0.463%
103	7.754	7.728	7.773	VV	10532	203743	3.57%	0.672%
104	7.799	7.773	7.824	VV	15462	289713	5.08%	0.956%
105	7.854	7.824	7.878	VV	11528	241258	4.23%	0.796%
106	7.892	7.878	7.901	VV	5871	72919	1.28%	0.241%
107	7.923	7.901	7.949	VV	27218	376138	6.60%	1.241%
108	7.970	7.949	7.992	VV	7158	155106	2.72%	0.512%
109	8.011	7.992	8.030	VV	7894	136085	2.39%	0.449%
110	8.053	8.030	8.066	VV	6180	127412	2.23%	0.420%
111	8.102	8.066	8.131	VV	65929	866529	15.19%	2.858%
112	8.150	8.131	8.174	VV	9192	169023	2.96%	0.558%
113	8.196	8.174	8.211	VV	6638	119256	2.09%	0.393%
114	8.221	8.211	8.231	VV	5551	64628	1.13%	0.213%
115	8.252	8.231	8.271	VV	7867	146969	2.58%	0.485%
116	8.294	8.271	8.325	VV	5419	154365	2.71%	0.509%
117	8.342	8.325	8.361	VV	4681	94236	1.65%	0.311%
118	8.375	8.361	8.383	VV	4494	56054	0.98%	0.185%
119	8.400	8.383	8.419	VV	4665	94609	1.66%	0.312%
120	8.456	8.419	8.491	VV	6966	216007	3.79%	0.712%
121	8.516	8.491	8.534	VV	5480	122255	2.14%	0.403%
122	8.550	8.534	8.572	VV	6572	114371	2.01%	0.377%
123	8.591	8.572	8.606	VV	6088	95008	1.67%	0.313%
124	8.637	8.606	8.668	VV	20346	323855	5.68%	1.068%
125	8.688	8.668	8.738	VV	5602	149422	2.62%	0.493%
126	8.759	8.738	8.767	VV	2887	46136	0.81%	0.152%
127	8.783	8.767	8.800	VV	3687	59035	1.04%	0.195%
128	8.821	8.800	8.839	VV	3915	72613	1.27%	0.240%
129	8.859	8.839	8.888	VV	3945	91483	1.60%	0.302%
130	8.922	8.888	8.981	VV	25297	399485	7.00%	1.318%
131	9.006	8.981	9.031	VV	2945	64296	1.13%	0.212%
132	9.054	9.031	9.088	VV	1917	53070	0.93%	0.175%
133	9.112	9.088	9.131	VV	1638	35710	0.63%	0.118%
134	9.156	9.131	9.189	VV	1484	45004	0.79%	0.148%
135	9.221	9.189	9.261	VV	1611	52117	0.91%	0.172%
136	9.292	9.261	9.327	VV	3420	75712	1.33%	0.250%
137	9.340	9.327	9.351	VV	1295	16844	0.30%	0.056%
138	9.377	9.351	9.404	VV	1865	41105	0.72%	0.136%
139	9.426	9.404	9.444	VV	1976	31915	0.56%	0.105%
140	9.456	9.444	9.465	VV	1214	13646	0.24%	0.045%
141	9.478	9.465	9.509	VV	1591	25504	0.45%	0.084%

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142	9.543	9.509	9.564	VV	862	16878	0.30%	0.056%
143	9.570	9.564	9.594	VV	425	6262	0.11%	0.021%
144	9.617	9.594	9.633	VV	870	13739	0.24%	0.045%
145	9.652	9.633	9.671	VV	772	14387	0.25%	0.047%
146	9.699	9.671	9.748	VV	6483	89533	1.57%	0.295%
147	9.767	9.748	9.791	VV	593	13287	0.23%	0.044%
148	9.799	9.791	9.891	VV	546	17228	0.30%	0.057%
149	9.914	9.891	9.951	VV	256	5084	0.09%	0.017%
150	9.973	9.951	9.991	VV	274	3977	0.07%	0.013%
151	10.018	9.991	10.033	VV	400	6025	0.11%	0.020%
152	10.044	10.033	10.055	VV	294	3602	0.06%	0.012%
153	10.087	10.055	10.114	VV	1405	24719	0.43%	0.082%
154	10.130	10.114	10.151	VV	475	6564	0.12%	0.022%
155	10.175	10.151	10.208	VV	412	7641	0.13%	0.025%
156	10.228	10.208	10.270	VV	237	4555	0.08%	0.015%
157	10.296	10.270	10.312	PV	282	4376	0.08%	0.014%
158	10.322	10.312	10.348	VV	278	3998	0.07%	0.013%
159	10.377	10.348	10.396	VV	444	8104	0.14%	0.027%
160	10.435	10.396	10.473	VV	1610	30761	0.54%	0.101%
161	10.509	10.473	10.535	VV	980	20791	0.36%	0.069%
162	10.561	10.535	10.584	VV	1141	17654	0.31%	0.058%
163	10.608	10.584	10.618	VV	163	2550	0.04%	0.008%
164	10.650	10.618	10.676	VV	225	4876	0.09%	0.016%
165	10.688	10.676	10.701	VV	147	1255	0.02%	0.004%
166	10.708	10.701	10.733	VV	117	1724	0.03%	0.006%
167	10.753	10.733	10.790	VV	235	5953	0.10%	0.020%
168	10.857	10.790	10.878	VV	497	14096	0.25%	0.046%
169	10.889	10.878	10.911	VV	335	3571	0.06%	0.012%
170	10.940	10.911	10.978	VV	258	4126	0.07%	0.014%
171	11.068	10.978	11.098	PV	1564	20869	0.37%	0.069%
172	11.137	11.098	11.170	VV	3335	45392	0.80%	0.150%
173	11.230	11.170	11.318	VV	658	18836	0.33%	0.062%
174	11.341	11.318	11.364	PV	116	1371	0.02%	0.005%
175	11.373	11.364	11.400	VV	107	579	0.01%	0.002%
176	11.434	11.400	11.451	PV	276	4976	0.09%	0.016%
177	11.492	11.451	11.508	VV	307	8637	0.15%	0.028%
178	11.537	11.508	11.568	VV	453	12311	0.22%	0.041%
179	11.594	11.568	11.641	VV	436	10852	0.19%	0.036%
180	11.685	11.641	11.701	PV	647	4128	0.07%	0.014%
181	11.709	11.701	11.714	VV	135	1117	0.02%	0.004%
182	11.732	11.714	11.745	VV	275	4354	0.08%	0.014%
183	11.802	11.745	11.827	VV	976	26212	0.46%	0.086%
184	11.847	11.827	11.878	VV	374	8304	0.15%	0.027%
185	11.895	11.878	11.924	VV	292	6126	0.11%	0.020%
186	11.952	11.924	11.981	VV	387	9970	0.17%	0.033%
187	12.019	11.981	12.061	VV	727	21249	0.37%	0.070%
188	12.080	12.061	12.098	VV	563	7921	0.14%	0.026%
189	12.120	12.098	12.154	VV	415	8317	0.15%	0.027%
190	12.211	12.154	12.236	VV	401	11981	0.21%	0.040%
191	12.255	12.236	12.265	VV	541	6994	0.12%	0.023%
192	12.304	12.265	12.341	VV	1311	24831	0.44%	0.082%
193	12.383	12.341	12.407	VV	1475	21536	0.38%	0.071%
194	12.442	12.407	12.544	VV	4054	61957	1.09%	0.204%

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195	12.561	12.544	12.628	VV	469	8366	0.15%	0.028%
196	12.643	12.628	12.674	PV	77	1263	0.02%	0.004%
197	12.701	12.674	12.718	PV	266	4985	0.09%	0.016%
198	12.725	12.718	12.751	VV	258	3958	0.07%	0.013%
199	12.765	12.751	12.787	VV	218	2938	0.05%	0.010%
200	12.888	12.787	13.029	VV	472949	5702879	100.00%	18.811%
201	13.053	13.029	13.098	VV	1063	25156	0.44%	0.083%
202	13.106	13.098	13.144	VV	554	11662	0.20%	0.038%
203	13.166	13.144	13.196	VV	350	8255	0.14%	0.027%
204	13.266	13.196	13.291	VV	541	16260	0.29%	0.054%
205	13.332	13.291	13.381	VV	553	18709	0.33%	0.062%
206	13.434	13.381	13.444	VV	233	6213	0.11%	0.020%
207	13.502	13.444	13.531	VV	435	15133	0.27%	0.050%
208	13.586	13.531	13.609	VV	1456	24958	0.44%	0.082%
209	13.638	13.609	13.688	VV	3523	54544	0.96%	0.180%
210	13.698	13.688	13.708	VV	303	2724	0.05%	0.009%
211	13.720	13.708	13.760	VV	216	4385	0.08%	0.014%
212	13.770	13.760	13.781	VV	110	1133	0.02%	0.004%
213	13.792	13.781	13.804	VV	90	885	0.02%	0.003%
214	13.862	13.804	13.918	PV	435	14779	0.26%	0.049%
215	13.935	13.918	13.953	VV	262	3841	0.07%	0.013%
216	13.969	13.953	14.029	VV	230	5969	0.10%	0.020%
217	14.072	14.029	14.111	VV	1648	29546	0.52%	0.097%
218	14.126	14.111	14.166	VV	245	5633	0.10%	0.019%
219	14.200	14.166	14.231	VV	1373	20973	0.37%	0.069%
220	14.260	14.231	14.308	VV	336	10401	0.18%	0.034%
221	14.358	14.308	14.380	VV	311	10674	0.19%	0.035%
222	14.402	14.380	14.440	VV	391	9156	0.16%	0.030%
223	14.456	14.440	14.470	VV	343	4481	0.08%	0.015%
224	14.483	14.470	14.499	VV	326	3889	0.07%	0.013%
225	14.519	14.499	14.533	VV	241	4265	0.07%	0.014%
226	14.549	14.533	14.577	VV	295	5235	0.09%	0.017%
227	14.585	14.577	14.590	VV	280	1848	0.03%	0.006%
228	14.600	14.590	14.648	VV	281	6623	0.12%	0.022%
229	14.694	14.648	14.713	VV	1390	20003	0.35%	0.066%
230	14.739	14.713	14.776	VV	4559	67436	1.18%	0.222%
231	14.792	14.776	14.835	VV	408	8965	0.16%	0.030%
232	14.940	14.835	14.961	PV	316	9706	0.17%	0.032%
233	14.988	14.961	15.025	VV	186	4990	0.09%	0.016%
234	15.046	15.025	15.056	VV	159	1836	0.03%	0.006%
235	15.078	15.056	15.090	VV	185	2032	0.04%	0.007%
236	15.122	15.090	15.132	VV	325	4354	0.08%	0.014%
237	15.152	15.132	15.206	VV	423	10744	0.19%	0.035%
238	15.258	15.206	15.289	VV	3298	50650	0.89%	0.167%
239	15.303	15.289	15.341	VV	389	8064	0.14%	0.027%
240	15.387	15.341	15.405	VV	98	1651	0.03%	0.005%
241	15.461	15.405	15.480	PV	296	8175	0.14%	0.027%
242	15.490	15.480	15.521	VV	237	2676	0.05%	0.009%
243	15.581	15.521	15.599	VV	489	11289	0.20%	0.037%
244	15.620	15.599	15.674	VV	338	10489	0.18%	0.035%
245	15.720	15.674	15.733	VV	968	13454	0.24%	0.044%
246	15.758	15.733	15.789	VV	5252	73380	1.29%	0.242%

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247	15.804	15.789	15.866	VV	410	8658	0.15%	0.029%
248	15.949	15.866	15.971	PV	336	12127	0.21%	0.040%
249	15.998	15.971	16.022	VV	227	4837	0.08%	0.016%
250	16.072	16.022	16.097	PV	416	10791	0.19%	0.036%
251	16.112	16.097	16.129	VV	437	6220	0.11%	0.021%
252	16.139	16.129	16.154	VV	232	3186	0.06%	0.011%
253	16.179	16.154	16.198	VV	167	3137	0.06%	0.010%
254	16.240	16.198	16.298	VV	3642	57874	1.01%	0.191%
255	16.318	16.298	16.371	VV	287	7075	0.12%	0.023%
256	16.408	16.371	16.421	PV	350	6998	0.12%	0.023%
257	16.427	16.421	16.437	VV	258	2573	0.05%	0.008%
258	16.458	16.437	16.471	VV	246	4828	0.08%	0.016%
259	16.478	16.471	16.501	VV	211	2782	0.05%	0.009%
260	16.540	16.501	16.564	VV	498	9382	0.16%	0.031%
261	16.591	16.564	16.649	VV	534	13846	0.24%	0.046%
262	16.705	16.649	16.744	VV	4463	75347	1.32%	0.249%
263	16.751	16.744	16.770	VV	247	2400	0.04%	0.008%
264	16.858	16.770	16.891	VV	260	9006	0.16%	0.030%
265	16.935	16.891	16.954	PV	229	5817	0.10%	0.019%
266	16.999	16.954	17.016	VV	256	4891	0.09%	0.016%
267	17.057	17.016	17.066	VV	188	4794	0.08%	0.016%
268	17.104	17.066	17.113	VV	137	3360	0.06%	0.011%
269	17.156	17.113	17.208	PV	3679	54813	0.96%	0.181%
270	17.261	17.208	17.284	PV	400	6330	0.11%	0.021%
271	17.432	17.284	17.460	VV	310	11014	0.19%	0.036%
272	17.486	17.460	17.509	VV	260	3716	0.07%	0.012%
273	17.591	17.509	17.648	PV	3643	67606	1.19%	0.223%
274	17.721	17.648	17.731	PV	324	5801	0.10%	0.019%
275	17.745	17.731	17.764	VV	235	3271	0.06%	0.011%
276	17.872	17.764	17.880	VV	303	1969	0.03%	0.006%
277	17.894	17.880	17.931	VV	936	5361	0.09%	0.018%
278	18.013	17.931	18.064	PV	3432	54824	0.96%	0.181%
279	18.086	18.064	18.104	VV	410	4849	0.09%	0.016%
280	18.422	18.104	18.471	PV	3066	63117	1.11%	0.208%
281	18.555	18.471	18.571	PV	199	2439	0.04%	0.008%
282	18.722	18.571	18.738	PV	251	5938	0.10%	0.020%
283	18.821	18.738	18.850	PV	2138	33570	0.59%	0.111%
284	19.206	18.850	19.230	VV	2834	95088	1.67%	0.314%
285	19.581	19.230	19.601	VV	3160	312236	5.48%	1.030%
286	19.945	19.601	19.974	VV	5985	797308	13.98%	2.630%
287	20.661	19.974	20.687	VV	13641	4175242	73.21%	13.772%
288	20.802	20.687	20.849	VV	12125	1187853	20.83%	3.918%
289	20.869	20.849	20.902	VV	11036	343536	6.02%	1.133%
290	20.911	20.902	20.952	VV	10361	303506	5.32%	1.001%
291	20.961	20.952	20.971	VV	11149	113613	1.99%	0.375%
292	21.071	20.971	21.091	VV	8623	643017	11.28%	2.121%
293	21.171	21.091	21.180	VV	7558	418146	7.33%	1.379%
294	21.245	21.180	21.258	VV	6857	326706	5.73%	1.078%
295	21.269	21.258	21.314	VV	6630	214004	3.75%	0.706%
296	21.533	21.314	21.560	VV	4124	718193	12.59%	2.369%
297	21.588	21.560	21.649	VV	3360	161226	2.83%	0.532%
298	21.738	21.649	21.780	VV	1345	122929	2.16%	0.405%
299	21.791	21.780	21.817	VV	507	7320	0.13%	0.024%

rteres
Sum of corrected areas: 30317043

Aliphatic EPH 121024.M Sat Dec 21 02:40:53 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048902.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 13:21
Operator : YP/AJ
Sample : P5299-02
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
SB-02

Integration File: autoint1.e
Quant Time: Dec 21 04:04:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
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...	7.361	8669207	51.469 ug/ml
Spiked Amount 50.000		Recovery = 102.94%	
6) S 2-Flurobiphenyl (SURR)	8.210	5590089	54.111 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 108.22%	
11) S ortho-Terphenyl (SURR)	11.245	5860548	32.987 ug/ml
Spiked Amount 50.000		Recovery = 65.97%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

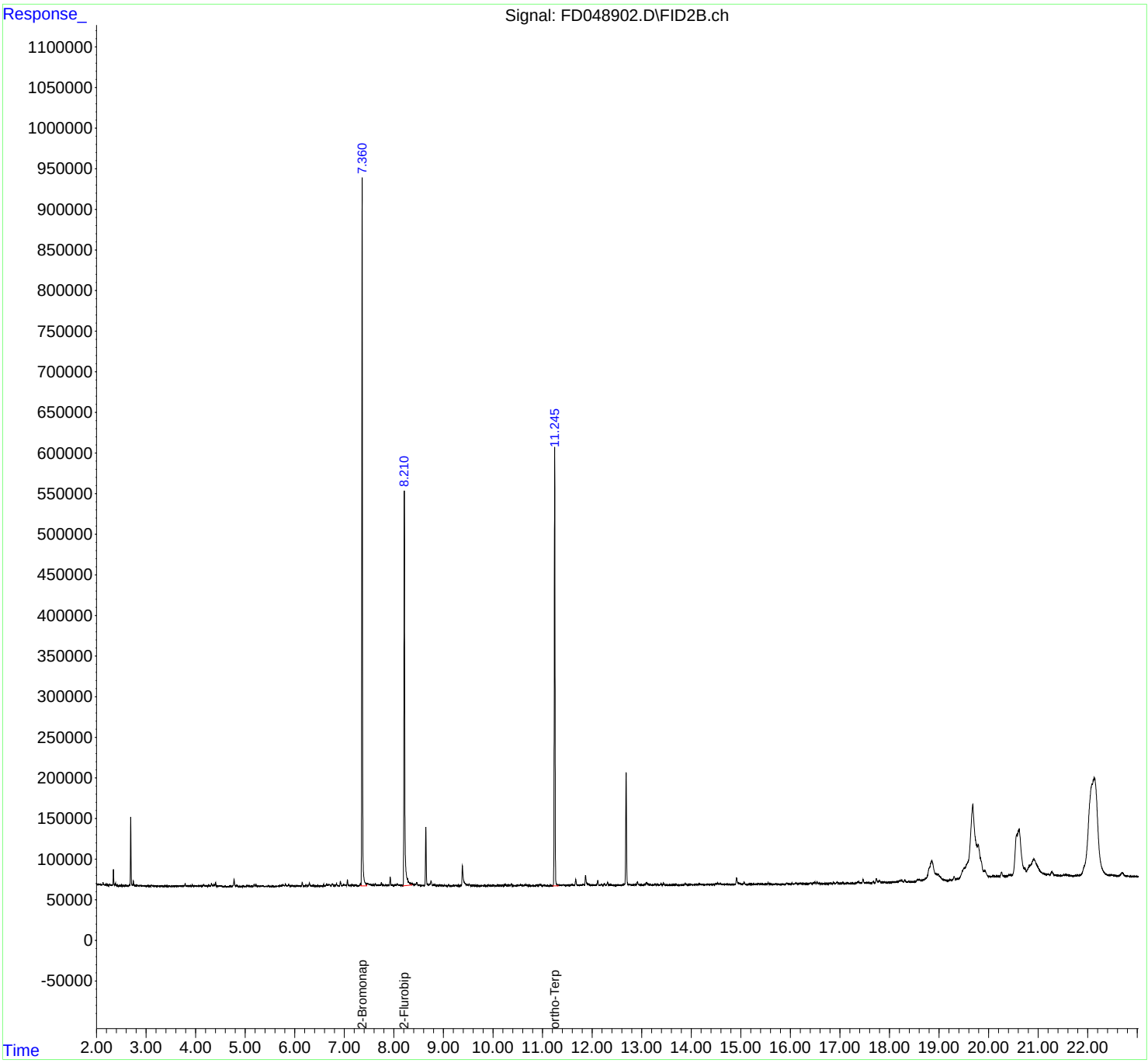
Sample Results: **FD048902.D**

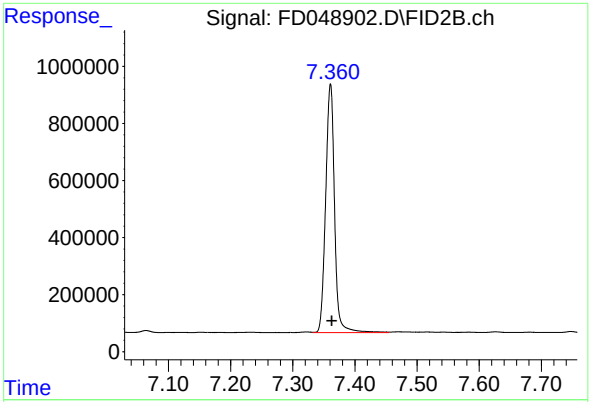
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048902.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 13:21
Operator : YP/AJ
Sample : P5299-02
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
SB-02

Integration File: autoint1.e
Quant Time: Dec 21 04:04:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

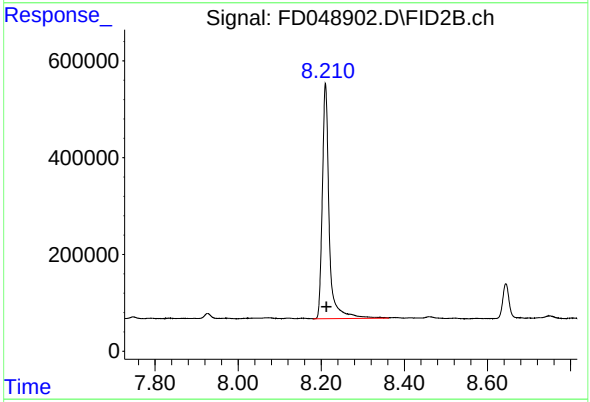




#4 2-Bromonaphthalene (SURR)

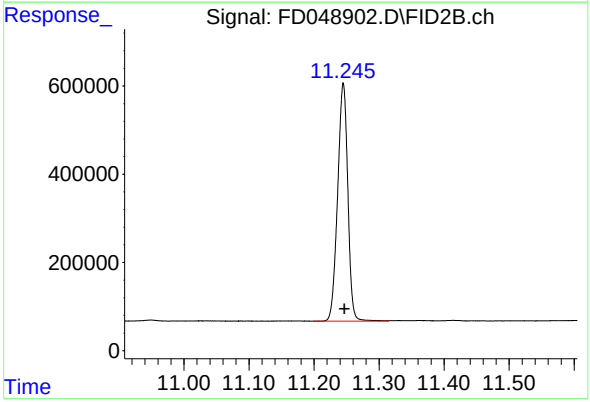
R.T.: 7.361 min
Delta R.T.: -0.002 min
Response: 8669207
Conc: 51.47 ug/ml

Instrument :
FID_D
ClientSampleId :
SB-02



#6 2-Flurobiphenyl (SURR)

R.T.: 8.210 min
Delta R.T.: -0.003 min
Response: 5590089
Conc: 54.11 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.245 min
Delta R.T.: -0.002 min
Response: 5860548
Conc: 32.99 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048902.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 13:21
Sample : P5299-02
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.051	4.042	4.075	BV	314	3110	0.04%	0.010%
2	4.103	4.084	4.119	VV	365	4937	0.06%	0.016%
3	4.160	4.127	4.206	VV	2010	35651	0.41%	0.115%
4	4.211	4.206	4.215	VV	466	2604	0.03%	0.008%
5	4.218	4.215	4.232	VV	543	4398	0.05%	0.014%
6	4.234	4.232	4.240	VV	367	1804	0.02%	0.006%
7	4.263	4.240	4.290	VV	1090	17996	0.21%	0.058%
8	4.320	4.290	4.344	VV	3351	47276	0.54%	0.152%
9	4.374	4.344	4.388	VV	2877	38394	0.44%	0.123%
10	4.404	4.388	4.447	VV	5035	58935	0.68%	0.189%
11	4.481	4.447	4.502	VV	1132	20297	0.23%	0.065%
12	4.517	4.502	4.562	VV	819	12434	0.14%	0.040%
13	4.600	4.562	4.611	PV	632	9930	0.11%	0.032%
14	4.616	4.611	4.632	VV	365	3009	0.03%	0.010%
15	4.637	4.632	4.644	VV	264	1544	0.02%	0.005%
16	4.661	4.644	4.666	VV	293	2389	0.03%	0.008%
17	4.698	4.677	4.725	PV	682	11056	0.13%	0.036%
18	4.775	4.725	4.810	VV	9172	136473	1.56%	0.439%
19	4.831	4.810	4.873	VV	2303	33211	0.38%	0.107%
20	4.886	4.873	4.917	VV	563	8072	0.09%	0.026%
21	4.923	4.917	4.928	VV	326	1584	0.02%	0.005%
22	4.935	4.928	4.948	VV	395	3178	0.04%	0.010%
23	4.969	4.948	4.985	PV	704	9589	0.11%	0.031%
24	4.991	4.985	5.008	VV	517	5236	0.06%	0.017%
25	5.034	5.008	5.076	VV	1459	36993	0.42%	0.119%

rteres

26	5.080	5.076	5.105	VV	916	12538	0.14%	0.040%
27	5.108	5.105	5.115	VV	588	3248	0.04%	0.010%
28	5.128	5.115	5.134	VV	614	6261	0.07%	0.020%
29	5.141	5.134	5.158	VV	719	7655	0.09%	0.025%
30	5.182	5.158	5.200	VV	3107	39365	0.45%	0.127%
31	5.217	5.200	5.255	VV	3238	41882	0.48%	0.135%
32	5.273	5.255	5.318	VV	1004	22067	0.25%	0.071%
33	5.341	5.318	5.353	VV	1154	17589	0.20%	0.057%
34	5.359	5.353	5.387	VV	769	9835	0.11%	0.032%
35	5.390	5.387	5.402	VV	242	1816	0.02%	0.006%
36	5.416	5.402	5.439	VV	424	5318	0.06%	0.017%
37	5.467	5.439	5.503	VV	939	17629	0.20%	0.057%
38	5.522	5.503	5.527	VV	521	5317	0.06%	0.017%
39	5.542	5.527	5.565	VV	756	12284	0.14%	0.039%
40	5.570	5.565	5.598	VV	404	5522	0.06%	0.018%
41	5.622	5.598	5.635	VV	503	7733	0.09%	0.025%
42	5.643	5.635	5.656	VV	661	6255	0.07%	0.020%
43	5.662	5.656	5.678	VV	652	7484	0.09%	0.024%
44	5.695	5.678	5.708	VV	849	12089	0.14%	0.039%
45	5.725	5.708	5.732	VV	1231	14553	0.17%	0.047%
46	5.736	5.732	5.738	VV	1124	4438	0.05%	0.014%
47	5.742	5.738	5.746	VV	1272	5395	0.06%	0.017%
48	5.767	5.746	5.793	VV	2120	43640	0.50%	0.140%
49	5.812	5.793	5.835	VV	2875	43903	0.50%	0.141%
50	5.842	5.835	5.851	VV	1021	8808	0.10%	0.028%
51	5.878	5.851	5.914	VV	2536	51478	0.59%	0.166%
52	5.942	5.914	5.957	VV	1179	22821	0.26%	0.073%
53	5.965	5.957	5.973	VV	752	6512	0.07%	0.021%
54	5.977	5.973	5.992	VV	682	6081	0.07%	0.020%
55	5.995	5.992	6.008	VV	565	4626	0.05%	0.015%
56	6.031	6.008	6.043	VV	837	12232	0.14%	0.039%
57	6.056	6.043	6.081	VV	935	17147	0.20%	0.055%
58	6.086	6.081	6.091	VV	550	2551	0.03%	0.008%
59	6.107	6.091	6.127	VV	611	10307	0.12%	0.033%
60	6.151	6.127	6.210	VV	5219	78078	0.90%	0.251%
61	6.228	6.210	6.248	VV	1968	25732	0.30%	0.083%
62	6.266	6.248	6.275	VV	1137	13273	0.15%	0.043%
63	6.296	6.275	6.314	VV	4557	55887	0.64%	0.180%
64	6.325	6.314	6.346	VV	1106	15749	0.18%	0.051%
65	6.366	6.346	6.389	VV	1749	25593	0.29%	0.082%
66	6.396	6.389	6.441	VV	799	17839	0.20%	0.057%
67	6.458	6.441	6.494	VV	1270	23295	0.27%	0.075%
68	6.497	6.494	6.501	VV	618	2491	0.03%	0.008%
69	6.508	6.501	6.518	VV	648	5847	0.07%	0.019%

rteres

70	6.527	6.518	6.541	VV	651	7751	0.09%	0.025%
71	6.546	6.541	6.561	VV	435	4670	0.05%	0.015%
72	6.584	6.561	6.602	VV	2051	25945	0.30%	0.083%
73	6.642	6.602	6.657	VV	2427	50554	0.58%	0.163%
74	6.660	6.657	6.672	VV	2052	16890	0.19%	0.054%
75	6.684	6.672	6.692	VV	2274	24048	0.28%	0.077%
76	6.702	6.692	6.729	VV	2510	36801	0.42%	0.118%
77	6.761	6.729	6.790	VV	3594	70632	0.81%	0.227%
78	6.805	6.790	6.816	VV	1372	16599	0.19%	0.053%
79	6.842	6.816	6.887	VV	3359	67271	0.77%	0.216%
80	6.921	6.887	6.953	VV	6473	95664	1.10%	0.308%
81	6.997	6.953	7.015	VV	2408	59556	0.68%	0.191%
82	7.028	7.015	7.041	VV	1983	23688	0.27%	0.076%
83	7.064	7.041	7.089	VV	8062	101402	1.16%	0.326%
84	7.100	7.089	7.109	VV	1221	12949	0.15%	0.042%
85	7.119	7.109	7.139	VV	1482	21294	0.24%	0.068%
86	7.153	7.139	7.176	VV	1910	30243	0.35%	0.097%
87	7.181	7.176	7.197	VV	1216	13016	0.15%	0.042%
88	7.234	7.197	7.255	VV	2071	45100	0.52%	0.145%
89	7.278	7.255	7.285	VV	990	16073	0.18%	0.052%
90	7.297	7.285	7.302	VV	1069	9458	0.11%	0.030%
91	7.323	7.302	7.334	VV	3082	39955	0.46%	0.128%
92	7.361	7.334	7.455	VV	872521	8720567	100.00%	28.038%
93	7.470	7.455	7.502	VV	3458	79977	0.92%	0.257%
94	7.516	7.502	7.534	VV	2844	45553	0.52%	0.146%
95	7.543	7.534	7.559	VV	2243	29653	0.34%	0.095%
96	7.583	7.559	7.606	VV	2228	46690	0.54%	0.150%
97	7.626	7.606	7.661	VV	3488	62035	0.71%	0.199%
98	7.682	7.661	7.699	VV	2228	35669	0.41%	0.115%
99	7.717	7.699	7.724	VV	1381	18077	0.21%	0.058%
100	7.747	7.724	7.772	VV	4492	63946	0.73%	0.206%
101	7.790	7.772	7.819	VV	1704	35479	0.41%	0.114%
102	7.834	7.819	7.851	VV	1826	26294	0.30%	0.085%
103	7.872	7.851	7.885	VV	1337	25604	0.29%	0.082%
104	7.894	7.885	7.903	VV	1436	14044	0.16%	0.045%
105	7.927	7.903	7.959	VV	11524	147242	1.69%	0.473%
106	7.974	7.959	7.997	VV	1670	29197	0.33%	0.094%
107	8.024	7.997	8.030	VV	1746	24726	0.28%	0.079%
108	8.044	8.030	8.054	VV	1905	26312	0.30%	0.085%
109	8.073	8.054	8.104	VV	2704	55712	0.64%	0.179%
110	8.122	8.104	8.138	VV	1818	27924	0.32%	0.090%
111	8.157	8.138	8.183	VV	1716	30115	0.35%	0.097%
112	8.210	8.183	8.361	VV	486820	5712891	65.51%	18.368%

rteres

113	8.375	8.361	8.400	VV	3016	60249	0.69%	0.194%
114	8.415	8.400	8.423	VV	2488	31062	0.36%	0.100%
115	8.430	8.423	8.436	VV	2118	16234	0.19%	0.052%
116	8.460	8.436	8.499	VV	4776	100606	1.15%	0.323%
117	8.520	8.499	8.556	VV	1779	38315	0.44%	0.123%
118	8.575	8.556	8.590	VV	1285	20492	0.23%	0.066%
119	8.603	8.590	8.615	VV	1072	14194	0.16%	0.046%
120	8.644	8.615	8.691	VV	72701	807263	9.26%	2.595%
121	8.700	8.691	8.710	VV	2003	20639	0.24%	0.066%
122	8.749	8.710	8.787	VV	6493	146074	1.68%	0.470%
123	8.804	8.787	8.817	VV	1917	28420	0.33%	0.091%
124	8.827	8.817	8.857	VV	1879	29895	0.34%	0.096%
125	8.878	8.857	8.901	VV	1111	20085	0.23%	0.065%
126	8.936	8.901	8.965	VV	1378	35037	0.40%	0.113%
127	8.981	8.965	8.997	VV	938	14659	0.17%	0.047%
128	9.026	8.997	9.038	VV	941	17360	0.20%	0.056%
129	9.041	9.038	9.078	VV	845	11271	0.13%	0.036%
130	9.106	9.078	9.149	VV	1565	29738	0.34%	0.096%
131	9.184	9.149	9.188	VV	697	11005	0.13%	0.035%
132	9.203	9.188	9.224	VV	924	15337	0.18%	0.049%
133	9.245	9.224	9.265	VV	1097	18292	0.21%	0.059%
134	9.279	9.265	9.284	VV	704	6787	0.08%	0.022%
135	9.300	9.284	9.319	VV	782	13057	0.15%	0.042%
136	9.327	9.319	9.330	VV	523	3257	0.04%	0.010%
137	9.347	9.330	9.363	VV	1093	15340	0.18%	0.049%
138	9.382	9.363	9.500	VV	25260	504288	5.78%	1.621%
139	9.518	9.500	9.550	VV	2756	46084	0.53%	0.148%
140	9.565	9.550	9.570	VV	690	7480	0.09%	0.024%
141	9.598	9.570	9.637	VV	1070	29496	0.34%	0.095%
142	9.650	9.637	9.655	VV	521	4479	0.05%	0.014%
143	9.660	9.655	9.677	VV	587	5977	0.07%	0.019%
144	9.686	9.677	9.705	VV	639	7538	0.09%	0.024%
145	9.718	9.705	9.743	VV	513	7372	0.08%	0.024%
146	9.756	9.743	9.775	VV	544	7541	0.09%	0.024%
147	9.791	9.775	9.808	VV	656	8963	0.10%	0.029%
148	9.826	9.808	9.847	VV	801	13207	0.15%	0.042%
149	9.851	9.847	9.857	VV	371	1841	0.02%	0.006%
150	9.862	9.857	9.872	VV	385	2785	0.03%	0.009%
151	9.883	9.872	9.898	VV	574	7946	0.09%	0.026%
152	9.906	9.898	9.923	VV	923	10664	0.12%	0.034%
153	9.942	9.923	9.965	VV	668	13681	0.16%	0.044%
154	9.975	9.965	10.001	VV	607	11649	0.13%	0.037%
155	10.018	10.001	10.042	VV	1345	16707	0.19%	0.054%

rteres

156	10.054	10.042	10.064	VV	435	5151	0.06%	0.017%
157	10.093	10.064	10.103	VV	911	15442	0.18%	0.050%
158	10.110	10.103	10.127	VV	1036	10393	0.12%	0.033%
159	10.145	10.127	10.165	VV	800	13768	0.16%	0.044%
160	10.185	10.165	10.210	VV	1036	17509	0.20%	0.056%
161	10.234	10.210	10.283	VV	1383	40550	0.46%	0.130%
162	10.301	10.283	10.318	VV	919	14375	0.16%	0.046%
163	10.327	10.318	10.343	VV	855	10756	0.12%	0.035%
164	10.372	10.343	10.395	VV	2178	37715	0.43%	0.121%
165	10.401	10.395	10.416	VV	604	5972	0.07%	0.019%
166	10.438	10.416	10.449	VV	692	9751	0.11%	0.031%
167	10.469	10.449	10.480	VV	654	9018	0.10%	0.029%
168	10.491	10.480	10.498	VV	742	6294	0.07%	0.020%
169	10.512	10.498	10.528	VV	806	11783	0.14%	0.038%
170	10.548	10.528	10.600	VV	1308	40190	0.46%	0.129%
171	10.618	10.600	10.623	VV	638	8181	0.09%	0.026%
172	10.637	10.623	10.655	VV	1179	17703	0.20%	0.057%
173	10.671	10.655	10.691	VV	1416	19834	0.23%	0.064%
174	10.698	10.691	10.718	VV	890	10838	0.12%	0.035%
175	10.723	10.718	10.753	VV	491	8158	0.09%	0.026%
176	10.756	10.753	10.770	VV	286	2704	0.03%	0.009%
177	10.787	10.770	10.808	VV	611	8156	0.09%	0.026%
178	10.829	10.808	10.852	VV	354	6999	0.08%	0.023%
179	10.859	10.852	10.865	VV	487	2849	0.03%	0.009%
180	10.882	10.865	10.913	VV	1507	21668	0.25%	0.070%
181	10.949	10.913	10.977	VV	2521	40927	0.47%	0.132%
182	10.996	10.977	11.002	VV	486	5265	0.06%	0.017%
183	11.025	11.002	11.032	VV	609	8537	0.10%	0.027%
184	11.035	11.032	11.068	VV	683	9389	0.11%	0.030%
185	11.088	11.068	11.093	VV	317	2944	0.03%	0.009%
186	11.098	11.093	11.115	VV	367	2351	0.03%	0.008%
187	11.146	11.115	11.162	PV	453	5997	0.07%	0.019%
188	11.169	11.162	11.174	VV	374	2340	0.03%	0.008%
189	11.179	11.174	11.184	VV	331	1624	0.02%	0.005%
190	11.187	11.184	11.197	VV	234	1014	0.01%	0.003%
191	11.245	11.210	11.318	VV	540022	5866638	67.27%	18.862%
192	11.330	11.318	11.348	VV	1249	19402	0.22%	0.062%
193	11.361	11.348	11.393	VV	1505	27497	0.32%	0.088%
194	11.414	11.393	11.435	VV	1738	27349	0.31%	0.088%
195	11.443	11.435	11.451	VV	578	4913	0.06%	0.016%
196	11.458	11.451	11.475	VV	629	6564	0.08%	0.021%
197	11.486	11.475	11.491	VV	598	4590	0.05%	0.015%
198	11.498	11.491	11.502	VV	524	3004	0.03%	0.010%
199	11.509	11.502	11.555	VV	694	18981	0.22%	0.061%

rteres

200	11.606	11.555	11.636	VV	1405	46282	0.53%	0.149%
201	11.670	11.636	11.707	VV	7846	119012	1.36%	0.383%
202	11.713	11.707	11.724	VV	783	6777	0.08%	0.022%
203	11.765	11.724	11.781	VV	1134	27763	0.32%	0.089%
204	11.826	11.781	11.845	VV	1631	42652	0.49%	0.137%
205	11.867	11.845	11.932	VV	13063	234003	2.68%	0.752%
206	11.943	11.932	11.972	VV	1547	27552	0.32%	0.089%
207	11.978	11.972	11.990	VV	1072	10815	0.12%	0.035%
208	11.997	11.990	12.015	VV	1055	13695	0.16%	0.044%
209	12.021	12.015	12.030	VV	942	7700	0.09%	0.025%
210	12.034	12.030	12.043	VV	821	5814	0.07%	0.019%
211	12.047	12.043	12.052	VV	643	3181	0.04%	0.010%
212	12.114	12.052	12.143	VV	6564	112355	1.29%	0.361%
213	12.155	12.143	12.166	VV	572	6850	0.08%	0.022%
214	12.188	12.166	12.213	VV	1758	27677	0.32%	0.089%
215	12.224	12.213	12.228	VV	610	4095	0.05%	0.013%
216	12.249	12.228	12.280	VV	2822	40616	0.47%	0.131%
217	12.314	12.280	12.333	VV	4083	64024	0.73%	0.206%
218	12.350	12.333	12.362	VV	1192	17353	0.20%	0.056%
219	12.367	12.362	12.424	VV	1116	24959	0.29%	0.080%
220	12.447	12.424	12.465	VV	480	8551	0.10%	0.027%
221	12.472	12.465	12.476	VV	376	1966	0.02%	0.006%
222	12.493	12.476	12.498	VV	574	5632	0.06%	0.018%
223	12.502	12.498	12.512	VV	660	4010	0.05%	0.013%
224	12.529	12.512	12.554	VV	659	11959	0.14%	0.038%
225	12.568	12.554	12.590	VV	598	7484	0.09%	0.024%
226	12.611	12.590	12.615	PV	559	5050	0.06%	0.016%
227	12.686	12.615	12.729	VV	139703	1673920	19.20%	5.382%
228	12.732	12.729	12.809	VV	1542	51505	0.59%	0.166%
229	12.824	12.809	12.834	VV	753	10072	0.12%	0.032%
230	12.856	12.834	12.890	VV	1178	30806	0.35%	0.099%
231	12.915	12.890	12.968	VV	4578	83084	0.95%	0.267%
232	12.989	12.968	13.000	VV	764	11679	0.13%	0.038%
233	13.009	13.000	13.020	VV	723	7485	0.09%	0.024%
234	13.053	13.020	13.074	VV	929	24103	0.28%	0.077%
235	13.096	13.074	13.177	VV	3745	103963	1.19%	0.334%
236	13.182	13.177	13.218	VV	664	14810	0.17%	0.048%
237	13.227	13.218	13.232	VV	733	4733	0.05%	0.015%
238	13.270	13.232	13.298	VV	1240	31937	0.37%	0.103%
239	13.311	13.298	13.340	VV	1146	18556	0.21%	0.060%
240	13.389	13.340	13.421	VV	1724	41896	0.48%	0.135%
241	13.440	13.421	13.462	VV	2563	33841	0.39%	0.109%
242	13.466	13.462	13.471	VV	409	1868	0.02%	0.006%

rteres

243	13.475	13.471	13.493	VV	381	4511	0.05%	0.015%
244	13.500	13.493	13.525	VV	388	4805	0.06%	0.015%
245	13.541	13.525	13.546	VV	288	3017	0.03%	0.010%
246	13.552	13.546	13.572	VV	463	4645	0.05%	0.015%
247	13.578	13.572	13.592	VV	296	2126	0.02%	0.007%
248	13.605	13.592	13.616	VV	365	3036	0.03%	0.010%
249	13.657	13.616	13.676	VV	617	13948	0.16%	0.045%
250	13.690	13.676	13.726	VV	889	16309	0.19%	0.052%
251	13.733	13.726	13.747	VV	356	2602	0.03%	0.008%
252	13.799	13.747	13.810	VV	593	13947	0.16%	0.045%
253	13.815	13.810	13.822	VV	545	2982	0.03%	0.010%
254	13.829	13.822	13.840	VV	489	5073	0.06%	0.016%
255	13.878	13.840	13.918	VV	1995	44396	0.51%	0.143%
256	13.933	13.918	13.945	VV	623	7014	0.08%	0.023%
257	13.950	13.945	13.982	VV	600	10213	0.12%	0.033%
258	14.000	13.982	14.019	VV	694	11380	0.13%	0.037%
259	14.024	14.019	14.035	VV	419	3829	0.04%	0.012%
260	14.037	14.035	14.040	VV	554	1434	0.02%	0.005%
261	14.045	14.040	14.060	VV	460	4559	0.05%	0.015%
262	14.063	14.060	14.068	VV	448	1701	0.02%	0.005%
263	14.090	14.068	14.110	VV	540	11333	0.13%	0.036%
264	14.116	14.110	14.119	VV	534	2458	0.03%	0.008%
265	14.127	14.119	14.133	VV	616	4610	0.05%	0.015%
266	14.165	14.133	14.192	VV	1581	33750	0.39%	0.109%
267	14.201	14.192	14.230	VV	686	13244	0.15%	0.043%
268	14.235	14.230	14.251	VV	538	6458	0.07%	0.021%
269	14.254	14.251	14.275	VV	655	6990	0.08%	0.022%
270	14.287	14.275	14.292	VV	618	4897	0.06%	0.016%
271	14.308	14.292	14.330	VV	728	13395	0.15%	0.043%
272	14.350	14.330	14.363	VV	650	10285	0.12%	0.033%
273	14.377	14.363	14.391	VV	642	8460	0.10%	0.027%
274	14.395	14.391	14.448	VV	542	13786	0.16%	0.044%
275	14.452	14.448	14.465	VV	447	3230	0.04%	0.010%
276	14.503	14.465	14.518	VV	1605	32014	0.37%	0.103%
277	14.535	14.518	14.564	VV	2544	41165	0.47%	0.132%
278	14.584	14.564	14.620	VV	2096	39342	0.45%	0.126%
279	14.627	14.620	14.636	VV	848	6983	0.08%	0.022%
280	14.647	14.636	14.684	VV	1004	20838	0.24%	0.067%
281	14.709	14.684	14.762	VV	970	29585	0.34%	0.095%
282	14.765	14.762	14.788	VV	488	6573	0.08%	0.021%
283	14.791	14.788	14.797	VV	421	1736	0.02%	0.006%
284	14.839	14.797	14.857	VV	716	16296	0.19%	0.052%
285	14.864	14.857	14.888	VV	433	6272	0.07%	0.020%

rteres

286	14.914	14.888	15.011	VV	8352	205766	2.36%	0.662%
287	15.015	15.011	15.038	VV	974	13681	0.16%	0.044%
288	15.069	15.038	15.091	VV	3062	52559	0.60%	0.169%
289	15.096	15.091	15.126	VV	677	11298	0.13%	0.036%
290	15.129	15.126	15.137	VV	375	1786	0.02%	0.006%
291	15.178	15.137	15.203	VV	786	18645	0.21%	0.060%
292	15.208	15.203	15.221	VV	515	4635	0.05%	0.015%
293	15.231	15.221	15.235	VV	522	3946	0.05%	0.013%
294	15.252	15.235	15.276	VV	1048	17491	0.20%	0.056%
295	15.283	15.276	15.290	VV	548	3866	0.04%	0.012%
296	15.323	15.290	15.332	VV	730	12618	0.14%	0.041%
297	15.357	15.332	15.392	VV	1101	27884	0.32%	0.090%
298	15.437	15.392	15.470	VV	1027	31758	0.36%	0.102%
299	15.480	15.470	15.492	VV	467	4759	0.05%	0.015%
300	15.514	15.492	15.530	VV	1180	17553	0.20%	0.056%
301	15.552	15.530	15.585	VV	2193	32726	0.38%	0.105%
302	15.594	15.585	15.600	VV	515	4224	0.05%	0.014%
303	15.621	15.600	15.647	VV	698	11787	0.14%	0.038%
304	15.670	15.647	15.682	PV	266	2512	0.03%	0.008%
305	15.704	15.682	15.729	VV	882	13532	0.16%	0.044%
306	15.756	15.729	15.792	VV	833	16778	0.19%	0.054%
307	15.796	15.792	15.809	VV	158	1422	0.02%	0.005%
308	15.867	15.827	15.876	VV	375	5991	0.07%	0.019%
309	15.880	15.876	15.894	VV	311	2376	0.03%	0.008%
310	15.925	15.894	15.959	VV	1534	31649	0.36%	0.102%
311	15.963	15.959	15.986	VV	586	7516	0.09%	0.024%
312	15.994	15.986	16.005	VV	599	4660	0.05%	0.015%
313	16.031	16.005	16.050	VV	1127	18175	0.21%	0.058%
314	16.109	16.050	16.144	VV	1855	44355	0.51%	0.143%
315	16.210	16.144	16.248	VV	1034	45059	0.52%	0.145%
316	16.253	16.248	16.264	VV	641	4719	0.05%	0.015%
317	16.272	16.264	16.293	VV	611	8288	0.10%	0.027%
318	16.303	16.293	16.310	VV	472	3937	0.05%	0.013%
319	16.315	16.310	16.320	VV	409	2361	0.03%	0.008%
320	16.330	16.320	16.352	VV	510	6784	0.08%	0.022%
321	16.368	16.352	16.378	VV	440	5482	0.06%	0.018%
322	16.406	16.378	16.434	VV	1301	25362	0.29%	0.082%
323	16.441	16.434	16.443	VV	434	1798	0.02%	0.006%
324	16.467	16.443	16.479	VV	1906	27595	0.32%	0.089%
325	16.497	16.479	16.518	VV	2338	36149	0.41%	0.116%
326	16.540	16.518	16.565	VV	2981	43980	0.50%	0.141%
327	16.577	16.565	16.600	VV	919	14229	0.16%	0.046%
328	16.604	16.600	16.615	VV	514	4223	0.05%	0.014%
329	16.623	16.615	16.638	VV	520	5378	0.06%	0.017%

rteres

330	16.668	16.638	16.679	VV	529	8895	0.10%	0.029%
331	16.685	16.679	16.727	VV	360	6988	0.08%	0.022%
332	16.733	16.727	16.750	VV	216	2034	0.02%	0.007%
333	16.803	16.750	16.827	PV	1120	23548	0.27%	0.076%
334	16.833	16.827	16.840	VV	347	2312	0.03%	0.007%
335	16.866	16.840	16.900	VV	1158	24503	0.28%	0.079%
336	16.943	16.900	16.972	VV	2253	44562	0.51%	0.143%
337	16.978	16.972	16.985	VV	308	2290	0.03%	0.007%
338	16.999	16.985	17.002	VV	348	2602	0.03%	0.008%
339	17.012	17.002	17.017	VV	349	2470	0.03%	0.008%
340	17.059	17.017	17.105	VV	1269	27395	0.31%	0.088%
341	17.148	17.105	17.167	PV	914	21156	0.24%	0.068%
342	17.171	17.167	17.200	VV	606	7697	0.09%	0.025%
343	17.208	17.200	17.224	VV	318	2823	0.03%	0.009%
344	17.231	17.224	17.251	VV	349	4144	0.05%	0.013%
345	17.260	17.251	17.292	VV	501	7444	0.09%	0.024%
346	17.320	17.292	17.326	VV	519	7751	0.09%	0.025%
347	17.347	17.326	17.357	VV	1460	17500	0.20%	0.056%
348	17.379	17.357	17.402	VV	2663	42223	0.48%	0.136%
349	17.427	17.402	17.435	VV	522	8280	0.09%	0.027%
350	17.468	17.435	17.505	VV	4721	79462	0.91%	0.255%
351	17.521	17.505	17.549	VV	910	17178	0.20%	0.055%
352	17.553	17.549	17.561	VV	475	3122	0.04%	0.010%
353	17.573	17.561	17.579	VV	746	6319	0.07%	0.020%
354	17.582	17.579	17.593	VV	684	3928	0.05%	0.013%
355	17.600	17.593	17.618	VV	309	2386	0.03%	0.008%
356	17.628	17.618	17.636	VV	197	1080	0.01%	0.003%
357	17.672	17.636	17.703	VV	2228	36335	0.42%	0.117%
358	17.735	17.703	17.767	PV	5496	97204	1.11%	0.313%
359	17.800	17.767	17.833	VV	3389	74561	0.85%	0.240%
360	17.849	17.833	17.872	VV	657	11749	0.13%	0.038%
361	17.897	17.872	17.928	VV	805	18587	0.21%	0.060%
362	17.935	17.928	17.949	VV	301	2158	0.02%	0.007%
363	17.964	17.949	17.973	VV	318	1886	0.02%	0.006%
364	17.993	17.973	18.000	VV	369	3619	0.04%	0.012%
365	18.008	18.000	18.040	VV	415	4524	0.05%	0.015%
366	18.081	18.040	18.098	PV	723	14910	0.17%	0.048%
367	18.103	18.098	18.118	VV	414	2106	0.02%	0.007%
368	18.142	18.118	18.151	VV	609	7455	0.09%	0.024%
369	18.209	18.151	18.225	VV	2308	50498	0.58%	0.162%
370	18.246	18.225	18.285	VV	2473	43776	0.50%	0.141%

Sum of corrected areas: 31103054

Page 9

rteres

Aromatic EPH 121024.M Sat Dec 21 05:20:33 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068065.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 13:58
Operator : YP/AJ
Sample : P5299-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
SB-01

Integration File: autoint1.e
Quant Time: Dec 21 01:52:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.888	6062473	47.514 ug/ml
Spiked Amount 50.000		Recovery = 95.03%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

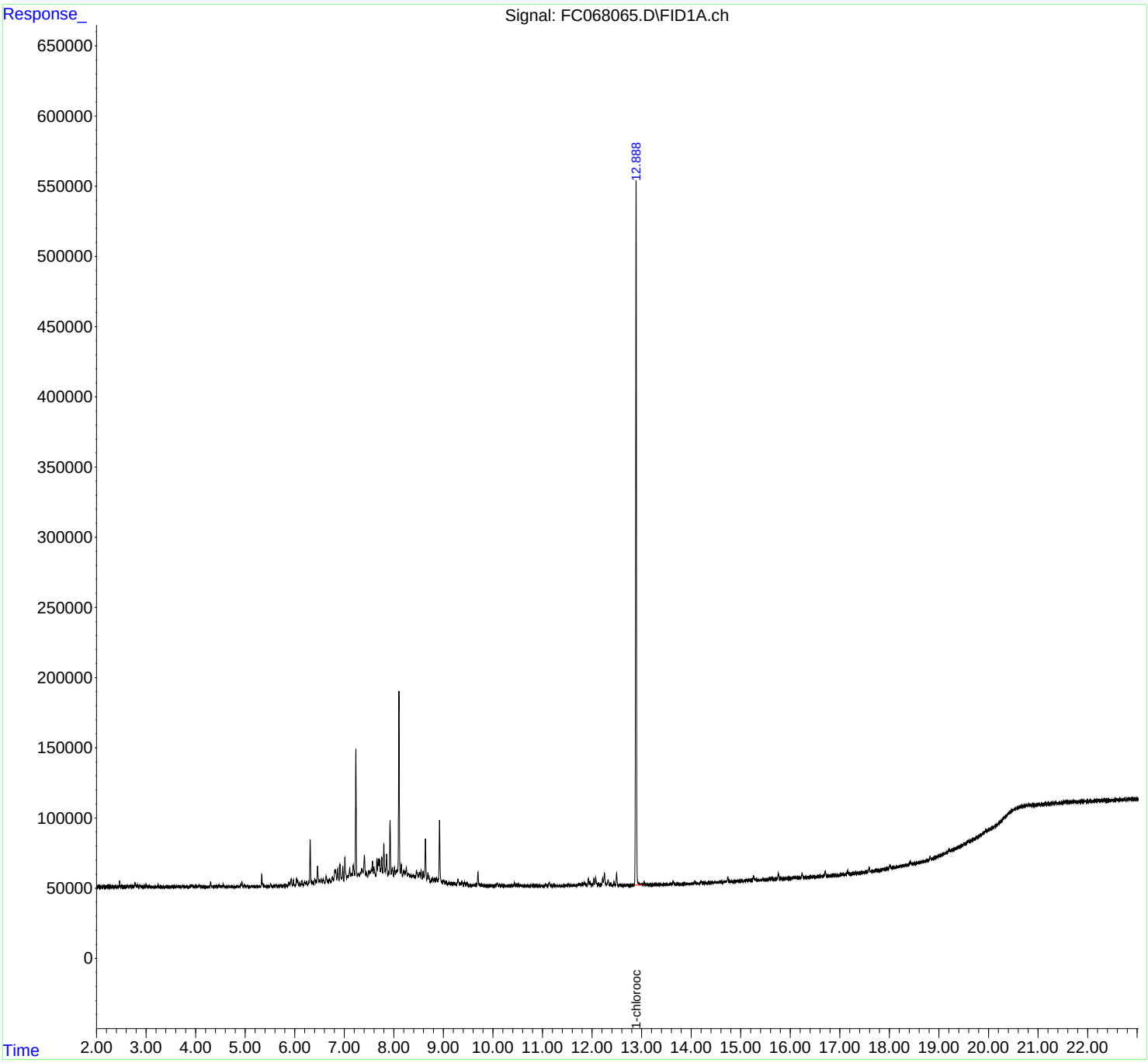
Sample Results: **FC068065.D**

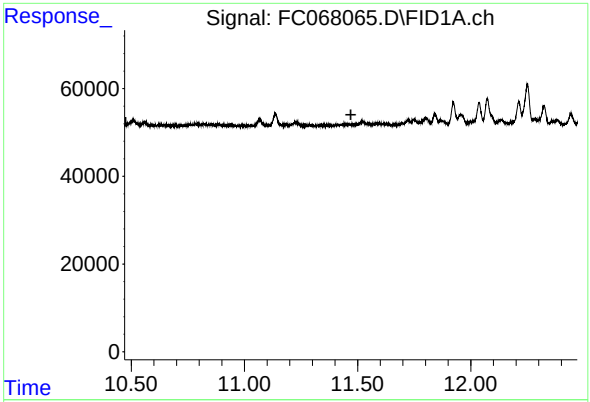
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068065.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 13:58
Operator : YP/AJ
Sample : P5299-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
SB-01

Integration File: autoint1.e
Quant Time: Dec 21 01:52:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

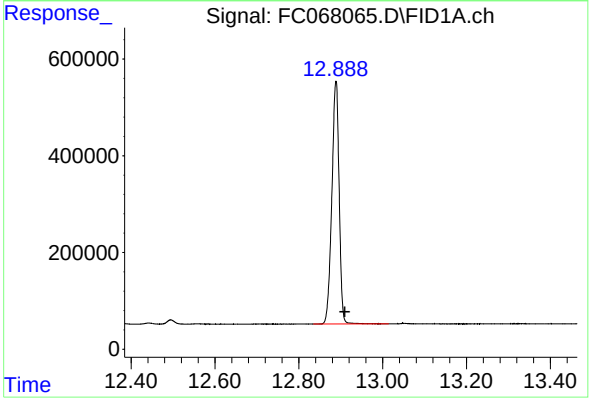




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.470 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
SB-01



#12 1-chlorooctadecane (SURR)

R.T.: 12.888 min
Delta R.T.: -0.021 min
Response: 6062473
Conc: 47.51 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068065.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 13:58
Sample : P5299-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.138	3.104	3.158	BV	57	1123	0.02%	0.003%
2	3.184	3.158	3.199	PV	80	1157	0.02%	0.003%
3	3.245	3.199	3.273	VV	1189	12732	0.21%	0.033%
4	3.300	3.273	3.331	PV	163	2235	0.04%	0.006%
5	3.342	3.331	3.378	VV	117	1729	0.03%	0.005%
6	3.389	3.378	3.414	VV	149	1541	0.03%	0.004%
7	3.444	3.414	3.456	VV	207	2794	0.05%	0.007%
8	3.472	3.456	3.490	VV	94	1697	0.03%	0.004%
9	3.517	3.490	3.536	VV	412	6512	0.11%	0.017%
10	3.565	3.536	3.591	VV	428	6167	0.10%	0.016%
11	3.613	3.591	3.666	PV	586	9139	0.15%	0.024%
12	3.674	3.666	3.710	VV	175	2889	0.05%	0.008%
13	3.733	3.710	3.798	VV	591	10657	0.17%	0.028%
14	3.818	3.798	3.874	VV	460	9612	0.16%	0.025%
15	3.906	3.874	3.919	VV	1200	15027	0.25%	0.039%
16	3.934	3.919	3.957	VV	1599	15409	0.25%	0.041%
17	3.967	3.957	3.979	VV	288	2757	0.05%	0.007%
18	4.000	3.979	4.031	VV	863	9497	0.16%	0.025%
19	4.068	4.031	4.101	VV	1176	21804	0.36%	0.057%
20	4.106	4.101	4.157	VV	279	6803	0.11%	0.018%
21	4.167	4.157	4.241	VV	218	6973	0.11%	0.018%
22	4.256	4.241	4.278	VV	265	3870	0.06%	0.010%
23	4.303	4.278	4.330	VV	3851	39475	0.65%	0.104%
24	4.343	4.330	4.361	VV	494	5945	0.10%	0.016%
25	4.371	4.361	4.391	VV	243	3169	0.05%	0.008%
26	4.406	4.391	4.438	VV	540	8951	0.15%	0.024%
27	4.469	4.438	4.488	VV	1270	18868	0.31%	0.050%
28	4.501	4.488	4.510	VV	396	4330	0.07%	0.011%
29	4.526	4.510	4.541	VV	943	10505	0.17%	0.028%
30	4.555	4.541	4.572	VV	2053	19282	0.32%	0.051%
31	4.581	4.572	4.595	VV	445	4179	0.07%	0.011%
32	4.608	4.595	4.648	VV	363	7121	0.12%	0.019%
33	4.673	4.648	4.692	VV	532	7519	0.12%	0.020%
34	4.717	4.692	4.735	VV	402	5085	0.08%	0.013%
35	4.767	4.735	4.798	VV	301	5892	0.10%	0.015%
36	4.822	4.798	4.838	VV	184	1932	0.03%	0.005%

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37	4.855	4.838	4.881	VV	328	4655	0.08%	0.012%
38	4.909	4.881	4.916	VV	1224	11151	0.18%	0.029%
39	4.934	4.916	4.960	VV	3921	47156	0.77%	0.124%
40	4.979	4.960	5.005	VV	1485	21270	0.35%	0.056%
41	5.015	5.005	5.024	VV	463	3928	0.06%	0.010%
42	5.040	5.024	5.073	VV	1267	13972	0.23%	0.037%
43	5.097	5.073	5.118	PV	176	3040	0.05%	0.008%
44	5.134	5.118	5.151	VV	573	7228	0.12%	0.019%
45	5.161	5.151	5.184	VV	340	5781	0.09%	0.015%
46	5.195	5.184	5.209	VV	486	5410	0.09%	0.014%
47	5.223	5.209	5.238	VV	394	4832	0.08%	0.013%
48	5.251	5.238	5.271	VV	299	4390	0.07%	0.012%
49	5.282	5.271	5.311	VV	320	4825	0.08%	0.013%
50	5.334	5.311	5.365	VV	8942	104493	1.72%	0.275%
51	5.374	5.365	5.414	VV	1388	19252	0.32%	0.051%
52	5.431	5.414	5.444	VV	418	5282	0.09%	0.014%
53	5.454	5.444	5.463	VV	291	2831	0.05%	0.007%
54	5.513	5.463	5.542	VV	2331	38519	0.63%	0.101%
55	5.582	5.542	5.600	VV	770	15717	0.26%	0.041%
56	5.626	5.600	5.661	VV	1539	29760	0.49%	0.078%
57	5.681	5.661	5.696	VV	979	13563	0.22%	0.036%
58	5.721	5.696	5.756	VV	1500	27735	0.46%	0.073%
59	5.785	5.756	5.804	VV	1086	21359	0.35%	0.056%
60	5.835	5.804	5.853	VV	1159	25900	0.43%	0.068%
61	5.886	5.853	5.904	VV	2893	58850	0.97%	0.155%
62	5.928	5.904	5.952	VV	5516	90532	1.49%	0.238%
63	5.972	5.952	6.004	VV	5096	71296	1.17%	0.187%
64	6.035	6.004	6.049	VV	5983	82742	1.36%	0.217%
65	6.060	6.049	6.084	VV	4787	65378	1.07%	0.172%
66	6.103	6.084	6.127	VV	2421	44296	0.73%	0.116%
67	6.145	6.127	6.172	VV	4358	63070	1.04%	0.166%
68	6.200	6.172	6.221	VV	3437	73387	1.20%	0.193%
69	6.239	6.221	6.259	VV	4087	62600	1.03%	0.165%
70	6.312	6.259	6.357	VV	33344	464836	7.63%	1.222%
71	6.367	6.357	6.383	VV	3480	42014	0.69%	0.110%
72	6.404	6.383	6.424	VV	5034	92023	1.51%	0.242%
73	6.434	6.424	6.441	VV	3847	36849	0.60%	0.097%
74	6.461	6.441	6.515	VV	14679	285715	4.69%	0.751%
75	6.532	6.515	6.554	VV	5875	104096	1.71%	0.274%
76	6.573	6.554	6.607	VV	5116	124372	2.04%	0.327%
77	6.634	6.607	6.657	VV	7598	150676	2.47%	0.396%
78	6.667	6.657	6.680	VV	4925	60007	0.99%	0.158%
79	6.697	6.680	6.731	VV	5165	127624	2.09%	0.335%
80	6.769	6.731	6.785	VV	5895	159545	2.62%	0.419%
81	6.809	6.785	6.819	VV	11921	177144	2.91%	0.466%
82	6.828	6.819	6.849	VV	11805	158896	2.61%	0.418%
83	6.870	6.849	6.893	VV	12854	216322	3.55%	0.569%
84	6.913	6.893	6.942	VV	16106	275282	4.52%	0.724%
85	6.970	6.942	6.990	VV	14376	240668	3.95%	0.633%
86	7.013	6.990	7.049	VV	20947	390382	6.41%	1.026%
87	7.065	7.049	7.078	VV	7676	122573	2.01%	0.322%
88	7.110	7.078	7.128	VV	13467	288805	4.74%	0.759%
89	7.149	7.128	7.163	VV	8987	179597	2.95%	0.472%

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90	7.181	7.163	7.209	VV	15503	317861	5.22%	0.835%
91	7.234	7.209	7.262	VV	98059	1163514	19.10%	3.058%
92	7.283	7.262	7.308	VV	9436	234920	3.86%	0.617%
93	7.355	7.308	7.381	VV	12645	452586	7.43%	1.190%
94	7.406	7.381	7.434	VV	21976	452096	7.42%	1.188%
95	7.448	7.434	7.470	VV	9711	185305	3.04%	0.487%
96	7.493	7.470	7.505	VV	11226	200949	3.30%	0.528%
97	7.517	7.505	7.530	VV	11044	152211	2.50%	0.400%
98	7.569	7.530	7.585	VV	18090	422096	6.93%	1.109%
99	7.599	7.585	7.638	VV	13968	331315	5.44%	0.871%
100	7.657	7.638	7.672	VV	19270	286094	4.70%	0.752%
101	7.687	7.672	7.699	VV	19566	272017	4.47%	0.715%
102	7.710	7.699	7.728	VV	19487	266825	4.38%	0.701%
103	7.754	7.728	7.774	VV	20825	394270	6.47%	1.036%
104	7.799	7.774	7.824	VV	30412	538706	8.84%	1.416%
105	7.854	7.824	7.878	VV	23025	460939	7.57%	1.212%
106	7.893	7.878	7.901	VV	10322	129859	2.13%	0.341%
107	7.924	7.901	7.949	VV	46815	653965	10.73%	1.719%
108	7.970	7.949	7.993	VV	12914	279673	4.59%	0.735%
109	8.012	7.993	8.030	VV	13657	235400	3.86%	0.619%
110	8.058	8.030	8.068	VV	11109	240196	3.94%	0.631%
111	8.103	8.068	8.132	VV	139861	1727440	28.36%	4.540%
112	8.150	8.132	8.174	VV	15849	293184	4.81%	0.771%
113	8.197	8.174	8.211	VV	11605	212298	3.48%	0.558%
114	8.221	8.211	8.231	VV	10029	115979	1.90%	0.305%
115	8.252	8.231	8.271	VV	13496	256178	4.21%	0.673%
116	8.295	8.271	8.328	VV	9141	279289	4.58%	0.734%
117	8.344	8.328	8.361	VV	8157	149471	2.45%	0.393%
118	8.391	8.361	8.421	VV	7952	263587	4.33%	0.693%
119	8.428	8.421	8.441	VV	6958	80643	1.32%	0.212%
120	8.456	8.441	8.491	VV	11806	274063	4.50%	0.720%
121	8.517	8.491	8.534	VV	9976	219000	3.59%	0.576%
122	8.550	8.534	8.571	VV	11712	190858	3.13%	0.502%
123	8.591	8.571	8.608	VV	10665	174209	2.86%	0.458%
124	8.637	8.608	8.664	VV	34019	517157	8.49%	1.359%
125	8.688	8.664	8.736	VV	9900	259842	4.27%	0.683%
126	8.758	8.736	8.767	VV	4738	77749	1.28%	0.204%
127	8.783	8.767	8.801	VV	5997	100876	1.66%	0.265%
128	8.820	8.801	8.838	VV	5169	97269	1.60%	0.256%
129	8.859	8.838	8.884	VV	5675	129923	2.13%	0.341%
130	8.922	8.884	8.981	VV	47367	705388	11.58%	1.854%
131	9.005	8.981	9.029	VV	4609	97060	1.59%	0.255%
132	9.053	9.029	9.089	VV	2974	89897	1.48%	0.236%
133	9.115	9.089	9.141	VV	2499	67698	1.11%	0.178%
134	9.155	9.141	9.188	VV	2352	57168	0.94%	0.150%
135	9.220	9.188	9.263	VV	2137	79511	1.31%	0.209%
136	9.294	9.263	9.327	VV	5021	110253	1.81%	0.290%
137	9.339	9.327	9.353	VV	2160	30239	0.50%	0.079%
138	9.377	9.353	9.402	VV	2967	61827	1.01%	0.163%
139	9.425	9.402	9.443	VV	3114	49488	0.81%	0.130%
140	9.456	9.443	9.464	VV	1928	21597	0.35%	0.057%
141	9.478	9.464	9.518	VV	2305	43805	0.72%	0.115%

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142	9.531	9.518	9.591	VV	958	29867	0.49%	0.079%
143	9.615	9.591	9.631	VV	1031	18983	0.31%	0.050%
144	9.652	9.631	9.672	VV	1333	25117	0.41%	0.066%
145	9.698	9.672	9.741	VV	10002	135184	2.22%	0.355%
146	9.769	9.741	9.788	VV	906	21530	0.35%	0.057%
147	9.798	9.788	9.838	VV	788	17434	0.29%	0.046%
148	9.846	9.838	9.858	VV	430	4538	0.07%	0.012%
149	9.868	9.858	9.895	VV	459	8055	0.13%	0.021%
150	9.908	9.895	9.959	VV	363	12212	0.20%	0.032%
151	9.976	9.959	9.998	VV	470	7050	0.12%	0.019%
152	10.044	9.998	10.057	VV	592	15323	0.25%	0.040%
153	10.085	10.057	10.111	VV	2073	35725	0.59%	0.094%
154	10.132	10.111	10.154	VV	649	11682	0.19%	0.031%
155	10.174	10.154	10.211	VV	650	12817	0.21%	0.034%
156	10.229	10.211	10.271	VV	516	9394	0.15%	0.025%
157	10.296	10.271	10.308	VV	336	5074	0.08%	0.013%
158	10.322	10.308	10.348	VV	333	6128	0.10%	0.016%
159	10.369	10.348	10.395	VV	431	9272	0.15%	0.024%
160	10.435	10.395	10.481	VV	2863	49894	0.82%	0.131%
161	10.508	10.481	10.536	VV	1327	25332	0.42%	0.067%
162	10.560	10.536	10.611	VV	859	17813	0.29%	0.047%
163	10.646	10.611	10.673	VV	277	7084	0.12%	0.019%
164	10.688	10.673	10.702	VV	155	2026	0.03%	0.005%
165	10.718	10.702	10.738	VV	154	2434	0.04%	0.006%
166	10.762	10.738	10.774	VV	402	5836	0.10%	0.015%
167	10.787	10.774	10.804	VV	457	6882	0.11%	0.018%
168	10.825	10.804	10.844	VV	433	8388	0.14%	0.022%
169	10.855	10.844	10.878	VV	407	6004	0.10%	0.016%
170	10.887	10.878	10.914	VV	392	4466	0.07%	0.012%
171	10.939	10.914	10.971	VV	335	4819	0.08%	0.013%
172	10.995	10.971	11.005	VV	111	1061	0.02%	0.003%
173	11.016	11.005	11.035	PV	98	1261	0.02%	0.003%
174	11.067	11.035	11.097	VV	1495	20938	0.34%	0.055%
175	11.136	11.097	11.188	VV	2859	41738	0.69%	0.110%
176	11.191	11.188	11.198	VV	255	1293	0.02%	0.003%
177	11.228	11.198	11.269	VV	807	14599	0.24%	0.038%
178	11.289	11.269	11.308	VV	156	1821	0.03%	0.005%
179	11.338	11.308	11.385	PV	105	3015	0.05%	0.008%
180	11.441	11.385	11.476	VV	304	10258	0.17%	0.027%
181	11.521	11.476	11.574	VV	956	25588	0.42%	0.067%
182	11.588	11.574	11.611	VV	534	9101	0.15%	0.024%
183	11.628	11.611	11.671	VV	409	8623	0.14%	0.023%
184	11.722	11.671	11.738	VV	1206	23086	0.38%	0.061%
185	11.749	11.738	11.769	VV	1341	18159	0.30%	0.048%
186	11.803	11.769	11.822	VV	1623	33523	0.55%	0.088%
187	11.841	11.822	11.859	VV	2568	34094	0.56%	0.090%
188	11.868	11.859	11.897	VV	1048	17430	0.29%	0.046%
189	11.923	11.897	11.941	VV	5216	65919	1.08%	0.173%
190	11.955	11.941	11.988	VV	2412	43476	0.71%	0.114%
191	12.037	11.988	12.054	VV	5191	77693	1.28%	0.204%
192	12.073	12.054	12.111	VV	6086	93428	1.53%	0.246%
193	12.135	12.111	12.163	VV	1145	22770	0.37%	0.060%
194	12.212	12.163	12.226	VV	5268	75482	1.24%	0.198%

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195	12.250	12.226	12.274	VV	9301	139348	2.29%	0.366%
196	12.284	12.274	12.296	VV	1308	14581	0.24%	0.038%
197	12.323	12.296	12.346	VV	4284	62594	1.03%	0.165%
198	12.381	12.346	12.409	VV	1033	22813	0.37%	0.060%
199	12.442	12.409	12.467	VV	2460	32738	0.54%	0.086%
200	12.495	12.467	12.531	VV	8953	112514	1.85%	0.296%
201	12.557	12.531	12.634	VV	653	14788	0.24%	0.039%
202	12.669	12.634	12.674	PV	79	1237	0.02%	0.003%
203	12.706	12.674	12.748	PV	216	6477	0.11%	0.017%
204	12.765	12.748	12.783	VV	131	2057	0.03%	0.005%
205	12.806	12.783	12.824	VV	256	4290	0.07%	0.011%
206	12.888	12.824	13.013	VV	501718	6091987	100.00%	16.012%
207	13.049	13.013	13.094	VV	1824	30905	0.51%	0.081%
208	13.105	13.094	13.161	VV	446	12273	0.20%	0.032%
209	13.170	13.161	13.205	VV	251	4472	0.07%	0.012%
210	13.333	13.205	13.372	VV	423	24558	0.40%	0.065%
211	13.504	13.372	13.527	VV	427	19611	0.32%	0.052%
212	13.586	13.527	13.608	VV	698	15277	0.25%	0.040%
213	13.638	13.608	13.677	VV	2301	33894	0.56%	0.089%
214	13.696	13.677	13.715	VV	227	4311	0.07%	0.011%
215	13.727	13.715	13.772	VV	515	4796	0.08%	0.013%
216	13.781	13.772	13.800	VV	120	1108	0.02%	0.003%
217	13.859	13.800	13.898	PV	426	11358	0.19%	0.030%
218	13.904	13.898	13.918	VV	202	1806	0.03%	0.005%
219	13.936	13.918	13.951	VV	174	1968	0.03%	0.005%
220	13.972	13.951	13.993	VV	131	1233	0.02%	0.003%
221	14.002	13.993	14.017	VV	111	816	0.01%	0.002%
222	14.073	14.017	14.118	VV	1398	26373	0.43%	0.069%
223	14.128	14.118	14.147	VV	211	2616	0.04%	0.007%
224	14.201	14.147	14.237	VV	1798	27585	0.45%	0.073%
225	14.256	14.237	14.298	VV	334	7894	0.13%	0.021%
226	14.358	14.298	14.388	VV	254	6865	0.11%	0.018%
227	14.404	14.388	14.424	PV	416	6503	0.11%	0.017%
228	14.440	14.424	14.464	VV	299	5289	0.09%	0.014%
229	14.514	14.464	14.534	VV	293	8528	0.14%	0.022%
230	14.554	14.534	14.563	PV	198	2788	0.05%	0.007%
231	14.596	14.563	14.620	VV	358	8225	0.14%	0.022%
232	14.696	14.620	14.718	VV	769	20484	0.34%	0.054%
233	14.739	14.718	14.774	VV	3711	53130	0.87%	0.140%
234	14.793	14.774	14.851	VV	698	14243	0.23%	0.037%
235	14.859	14.851	14.891	VV	180	2205	0.04%	0.006%
236	14.931	14.891	14.968	VV	628	13358	0.22%	0.035%
237	14.984	14.968	15.001	VV	416	6430	0.11%	0.017%
238	15.016	15.001	15.034	VV	303	4317	0.07%	0.011%
239	15.048	15.034	15.064	VV	259	3300	0.05%	0.009%
240	15.125	15.064	15.135	VV	520	13560	0.22%	0.036%
241	15.158	15.135	15.214	VV	667	21868	0.36%	0.057%
242	15.257	15.214	15.284	VV	3391	54732	0.90%	0.144%
243	15.305	15.284	15.385	VV	872	24650	0.40%	0.065%
244	15.438	15.385	15.472	PV	641	14556	0.24%	0.038%
245	15.487	15.472	15.531	VV	433	10733	0.18%	0.028%
246	15.578	15.531	15.614	VV	733	23654	0.39%	0.062%

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247	15.624	15.614	15.671	VV	680	17468	0.29%	0.046%
248	15.688	15.671	15.703	VV	395	6876	0.11%	0.018%
249	15.721	15.703	15.733	VV	618	9580	0.16%	0.025%
250	15.758	15.733	15.788	VV	4350	62693	1.03%	0.165%
251	15.802	15.788	15.841	VV	772	14844	0.24%	0.039%
252	15.849	15.841	15.870	VV	231	2396	0.04%	0.006%
253	15.931	15.870	15.971	PV	629	21510	0.35%	0.057%
254	15.990	15.971	16.020	VV	380	8575	0.14%	0.023%
255	16.068	16.020	16.094	PV	696	19525	0.32%	0.051%
256	16.115	16.094	16.185	VV	599	22738	0.37%	0.060%
257	16.240	16.185	16.268	VV	3308	52516	0.86%	0.138%
258	16.279	16.268	16.298	VV	569	7980	0.13%	0.021%
259	16.308	16.298	16.333	VV	367	5081	0.08%	0.013%
260	16.344	16.333	16.360	VV	133	1603	0.03%	0.004%
261	16.411	16.360	16.445	PV	525	14948	0.25%	0.039%
262	16.462	16.445	16.488	VV	517	8270	0.14%	0.022%
263	16.514	16.488	16.528	VV	304	5498	0.09%	0.014%
264	16.544	16.528	16.557	VV	594	7526	0.12%	0.020%
265	16.591	16.557	16.645	VV	718	22992	0.38%	0.060%
266	16.706	16.645	16.768	PV	3609	66598	1.09%	0.175%
267	16.779	16.768	16.791	VV	232	2091	0.03%	0.005%
268	16.804	16.791	16.813	PV	154	1387	0.02%	0.004%
269	16.863	16.813	16.877	PV	408	8933	0.15%	0.023%
270	16.887	16.877	16.917	VV	320	4830	0.08%	0.013%
271	17.029	16.917	17.048	VV	353	16654	0.27%	0.044%
272	17.075	17.048	17.107	VV	204	5518	0.09%	0.015%
273	17.157	17.107	17.231	VV	2882	51919	0.85%	0.136%
274	17.357	17.231	17.393	PV	257	24616	0.40%	0.065%
275	17.591	17.393	17.624	PV	3080	68962	1.13%	0.181%
276	17.754	17.624	17.774	VV	293	12706	0.21%	0.033%
277	17.802	17.774	17.820	VV	188	2072	0.03%	0.005%
278	17.873	17.820	17.918	PV	521	11725	0.19%	0.031%
279	18.013	17.918	18.041	VV	2517	42763	0.70%	0.112%
280	18.087	18.041	18.101	VV	146	3989	0.07%	0.010%
281	18.338	18.101	18.351	PV	199	18958	0.31%	0.050%
282	18.423	18.351	18.490	VV	2340	47163	0.77%	0.124%
283	18.820	18.490	18.850	PV	1301	-338	-0.01%	-0.001%
284	19.206	18.850	19.234	PV	1885	60182	0.99%	0.158%
285	19.583	19.234	19.598	VV	2819	266363	4.37%	0.700%
286	19.946	19.598	19.965	VV	5582	713326	11.71%	1.875%
287	20.659	19.965	20.683	VV	13332	3983051	65.38%	10.469%
288	20.809	20.683	20.898	VV	11754	1508180	24.76%	3.964%
289	20.905	20.898	20.928	VV	10279	182267	2.99%	0.479%
290	20.993	20.928	21.018	VV	9260	509049	8.36%	1.338%
291	21.395	21.018	21.418	VV	5203	1680898	27.59%	4.418%
292	21.454	21.418	21.471	VV	4549	147069	2.41%	0.387%
293	21.526	21.471	21.561	VV	4158	217089	3.56%	0.571%
294	21.600	21.561	21.676	VV	3154	193373	3.17%	0.508%
295	21.783	21.676	21.828	VV	903	103553	1.70%	0.272%

Sum of corrected areas: 38045728

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048903.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 13:58
Operator : YP/AJ
Sample : P5299-03
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
SB-01

Integration File: autoint1.e
Quant Time: Dec 21 04:04:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
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...	7.361	9288209	55.144 ug/ml
Spiked Amount 50.000		Recovery = 110.29%	
6) S 2-Flurobiphenyl (SURR)	8.211	6014948	58.223 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery = 116.45%	
11) S ortho-Terphenyl (SURR)	11.245	5589681	31.462 ug/ml
Spiked Amount 50.000		Recovery = 62.92%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

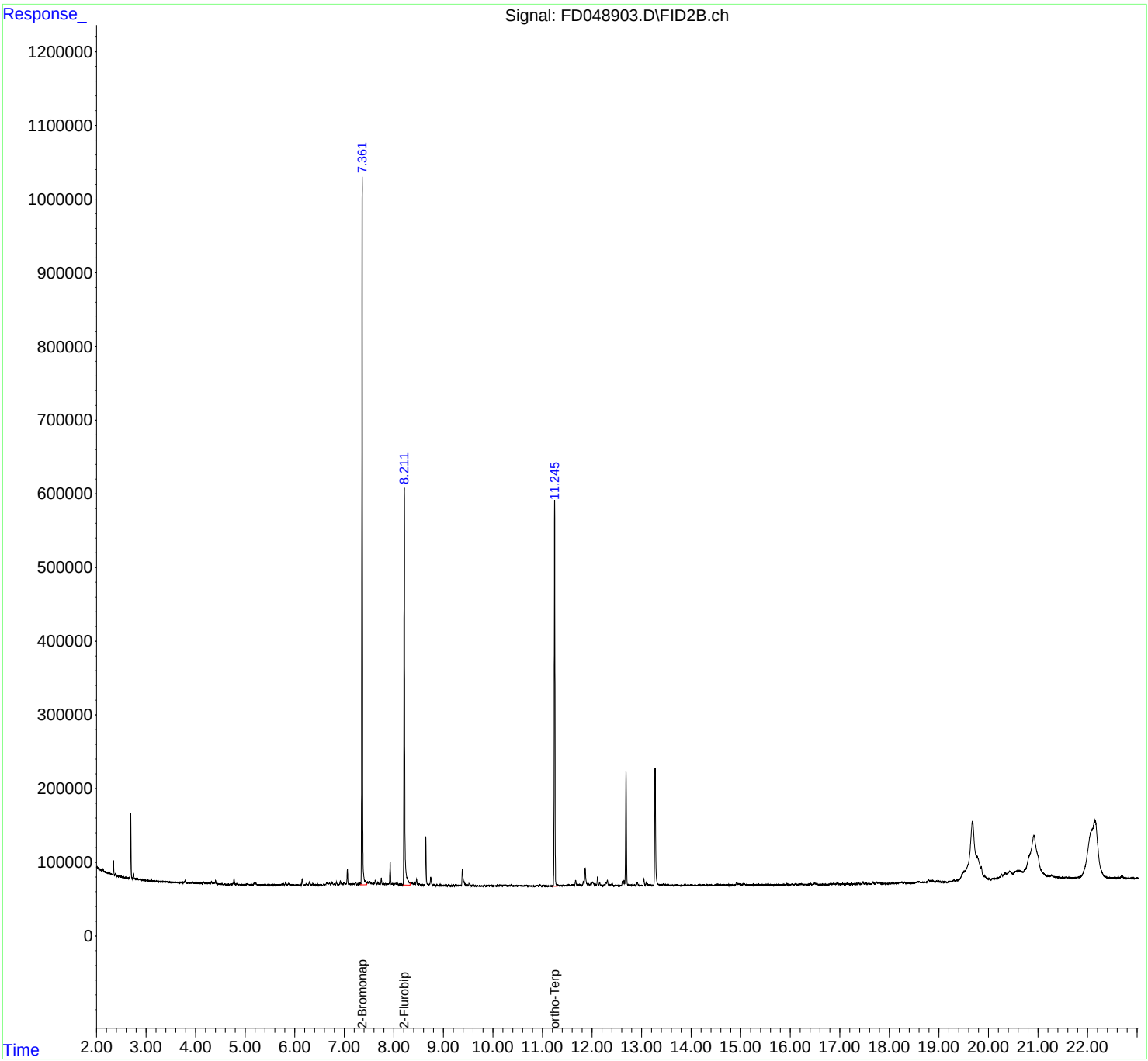
Sample Results: **FD048903.D**

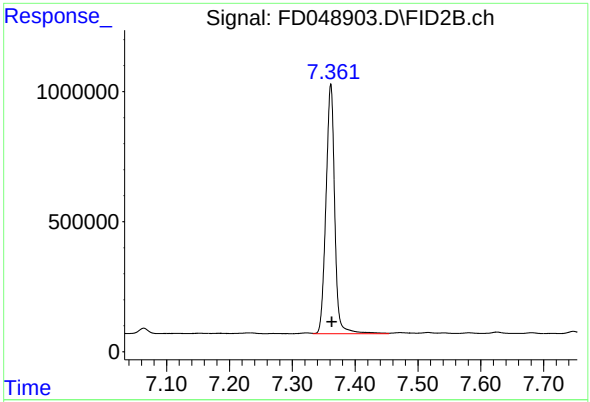
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048903.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 13:58
Operator : YP/AJ
Sample : P5299-03
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
SB-01

Integration File: autoint1.e
Quant Time: Dec 21 04:04:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

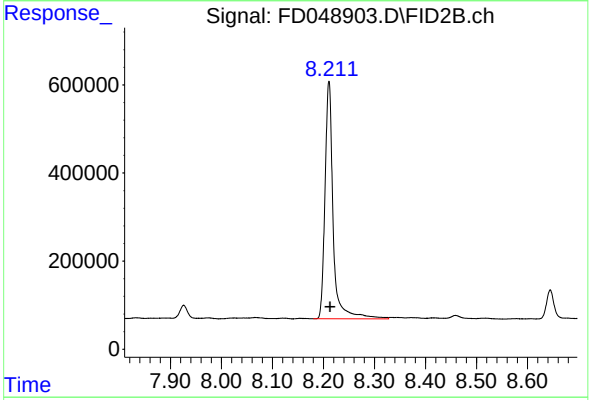




#4 2-Bromonaphthalene (SURR)

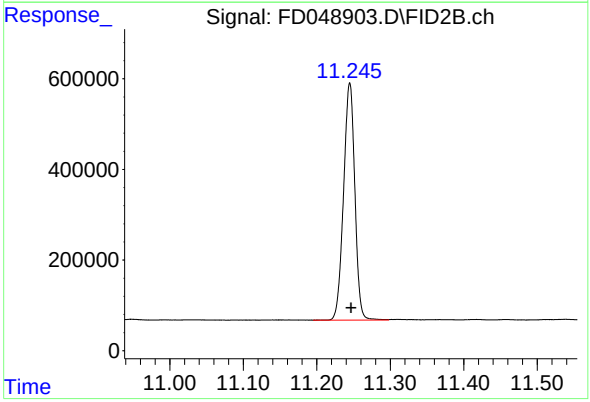
R.T.: 7.361 min
Delta R.T.: -0.002 min
Response: 9288209
Conc: 55.14 ug/ml

Instrument :
FID_D
ClientSampleId :
SB-01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.211 min
Delta R.T.: -0.002 min
Response: 6014948
Conc: 58.22 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.245 min
Delta R.T.: -0.002 min
Response: 5589681
Conc: 31.46 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048903.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 13:58
Sample : P5299-03
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.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	4.050	4.042	4.074	BV	362	2758	0.03%	0.008%
2	4.090	4.074	4.110	PV	479	7016	0.07%	0.019%
3	4.159	4.110	4.200	VV	2598	40666	0.43%	0.112%
4	4.208	4.200	4.222	VV	681	6753	0.07%	0.019%
5	4.233	4.222	4.247	VV	674	7426	0.08%	0.021%
6	4.265	4.247	4.294	VV	1205	18328	0.20%	0.051%
7	4.321	4.294	4.357	VV	3472	54108	0.58%	0.150%
8	4.374	4.357	4.388	VV	2679	30587	0.33%	0.085%
9	4.404	4.388	4.443	VV	4865	54601	0.58%	0.151%
10	4.455	4.443	4.463	VV	404	3192	0.03%	0.009%
11	4.480	4.463	4.503	VV	850	12541	0.13%	0.035%
12	4.521	4.503	4.543	VV	611	9312	0.10%	0.026%
13	4.546	4.543	4.573	VV	203	2466	0.03%	0.007%
14	4.589	4.573	4.614	PV	584	8015	0.09%	0.022%
15	4.619	4.614	4.643	VV	248	2313	0.02%	0.006%
16	4.653	4.643	4.682	VV	402	5053	0.05%	0.014%
17	4.694	4.682	4.737	VV	481	9769	0.10%	0.027%
18	4.775	4.737	4.812	VV	8562	116859	1.25%	0.323%
19	4.831	4.812	4.860	VV	2095	22984	0.25%	0.064%
20	4.882	4.860	4.910	PV	513	8254	0.09%	0.023%
21	4.916	4.910	4.924	VV	202	1241	0.01%	0.003%
22	4.944	4.924	4.955	VV	322	3167	0.03%	0.009%
23	4.971	4.955	4.994	PV	478	5965	0.06%	0.016%
24	5.008	4.994	5.013	VV	379	2763	0.03%	0.008%
25	5.033	5.013	5.054	VV	1476	23770	0.25%	0.066%

rteres

26	5.056	5.054	5.120	VV	1140	24390	0.26%	0.067%
27	5.125	5.120	5.130	VV	298	1551	0.02%	0.004%
28	5.139	5.130	5.156	VV	450	4760	0.05%	0.013%
29	5.180	5.156	5.202	VV	3132	38625	0.41%	0.107%
30	5.218	5.202	5.262	VV	3014	38768	0.41%	0.107%
31	5.274	5.262	5.296	VV	673	7206	0.08%	0.020%
32	5.300	5.296	5.318	PV	112	1033	0.01%	0.003%
33	5.341	5.318	5.358	VV	717	9411	0.10%	0.026%
34	5.363	5.358	5.380	VV	445	4180	0.04%	0.012%
35	5.383	5.380	5.404	VV	183	2331	0.02%	0.006%
36	5.426	5.411	5.445	VV	416	4168	0.04%	0.012%
37	5.468	5.445	5.500	VV	789	10737	0.11%	0.030%
38	5.520	5.500	5.541	VV	447	7539	0.08%	0.021%
39	5.547	5.541	5.589	VV	322	4358	0.05%	0.012%
40	5.605	5.589	5.611	PV	251	1827	0.02%	0.005%
41	5.629	5.611	5.638	VV	338	3780	0.04%	0.010%
42	5.643	5.638	5.666	VV	393	3925	0.04%	0.011%
43	5.700	5.666	5.712	VV	575	10883	0.12%	0.030%
44	5.768	5.712	5.796	VV	2049	61874	0.66%	0.171%
45	5.813	5.796	5.845	VV	2686	40696	0.43%	0.113%
46	5.877	5.845	5.914	VV	2412	49631	0.53%	0.137%
47	5.932	5.914	5.960	VV	765	13927	0.15%	0.039%
48	5.972	5.960	5.990	VV	680	7295	0.08%	0.020%
49	5.999	5.990	6.009	VV	216	1328	0.01%	0.004%
50	6.030	6.009	6.044	PV	765	9625	0.10%	0.027%
51	6.064	6.044	6.083	VV	712	10779	0.11%	0.030%
52	6.110	6.083	6.127	VV	593	9431	0.10%	0.026%
53	6.150	6.127	6.198	VV	8255	102004	1.09%	0.282%
54	6.228	6.198	6.250	VV	1789	25641	0.27%	0.071%
55	6.264	6.250	6.275	VV	1142	11741	0.13%	0.032%
56	6.296	6.275	6.322	VV	4833	62652	0.67%	0.173%
57	6.330	6.322	6.350	VV	1013	13810	0.15%	0.038%
58	6.367	6.350	6.387	VV	1745	24559	0.26%	0.068%
59	6.393	6.387	6.440	VV	859	16699	0.18%	0.046%
60	6.455	6.440	6.490	VV	1336	22055	0.24%	0.061%
61	6.524	6.490	6.562	VV	1018	23119	0.25%	0.064%
62	6.584	6.562	6.610	PV	2174	30677	0.33%	0.085%
63	6.643	6.610	6.652	VV	3136	49017	0.52%	0.136%
64	6.661	6.652	6.677	VV	2972	36268	0.39%	0.100%
65	6.686	6.677	6.690	VV	2438	16207	0.17%	0.045%
66	6.702	6.690	6.729	VV	3558	50642	0.54%	0.140%
67	6.747	6.729	6.786	VV	3961	88543	0.94%	0.245%
68	6.803	6.786	6.818	VV	2554	31075	0.33%	0.086%
69	6.842	6.818	6.887	VV	4800	92025	0.98%	0.255%

rteres

70	6.922	6.887	6.955	VV	6469	115638	1.23%	0.320%
71	6.964	6.955	6.975	VV	1864	21309	0.23%	0.059%
72	6.996	6.975	7.015	VV	3864	66848	0.71%	0.185%
73	7.024	7.015	7.040	VV	2475	32553	0.35%	0.090%
74	7.064	7.040	7.089	VV	22506	250349	2.67%	0.692%
75	7.117	7.089	7.135	VV	2260	52846	0.56%	0.146%
76	7.155	7.135	7.172	VV	2678	49043	0.52%	0.136%
77	7.183	7.172	7.202	VV	2624	40839	0.44%	0.113%
78	7.232	7.202	7.257	VV	4242	89506	0.95%	0.248%
79	7.271	7.257	7.298	VV	2102	37731	0.40%	0.104%
80	7.322	7.298	7.335	VV	4054	59038	0.63%	0.163%
81	7.361	7.335	7.455	VV	962338	9375515	100.00%	25.929%
82	7.472	7.455	7.498	VV	5338	105562	1.13%	0.292%
83	7.516	7.498	7.531	VV	5764	86630	0.92%	0.240%
84	7.541	7.531	7.564	VV	4376	63677	0.68%	0.176%
85	7.581	7.564	7.604	VV	4789	80529	0.86%	0.223%
86	7.626	7.604	7.665	VV	7445	139430	1.49%	0.386%
87	7.681	7.665	7.699	VV	4965	68222	0.73%	0.189%
88	7.713	7.699	7.726	VV	2399	35543	0.38%	0.098%
89	7.747	7.726	7.769	VV	10383	133244	1.42%	0.369%
90	7.787	7.769	7.818	VV	3175	69716	0.74%	0.193%
91	7.833	7.818	7.852	VV	3291	50017	0.53%	0.138%
92	7.890	7.852	7.905	VV	2549	75401	0.80%	0.209%
93	7.926	7.905	7.962	VV	31744	368658	3.93%	1.020%
94	7.974	7.962	7.995	VV	3137	44456	0.47%	0.123%
95	8.025	7.995	8.031	VV	2833	42200	0.45%	0.117%
96	8.044	8.031	8.051	VV	3041	33885	0.36%	0.094%
97	8.067	8.051	8.094	VV	3946	73692	0.79%	0.204%
98	8.098	8.094	8.107	VV	1611	11895	0.13%	0.033%
99	8.121	8.107	8.140	VV	2592	37788	0.40%	0.105%
100	8.154	8.140	8.180	VV	2088	37319	0.40%	0.103%
101	8.211	8.180	8.326	VV	540395	6103374	65.10%	16.880%
102	8.334	8.326	8.361	VV	4251	80637	0.86%	0.223%
103	8.372	8.361	8.400	VV	3794	75240	0.80%	0.208%
104	8.416	8.400	8.440	VV	3297	64497	0.69%	0.178%
105	8.459	8.440	8.500	VV	8724	146076	1.56%	0.404%
106	8.518	8.500	8.556	VV	2634	53870	0.57%	0.149%
107	8.578	8.556	8.593	VV	1624	26302	0.28%	0.073%
108	8.607	8.593	8.616	VV	1269	15708	0.17%	0.043%
109	8.645	8.616	8.695	VV	67054	730456	7.79%	2.020%
110	8.699	8.695	8.709	VV	2002	16159	0.17%	0.045%
111	8.745	8.709	8.785	VV	11743	207527	2.21%	0.574%
112	8.806	8.785	8.817	VV	1802	28589	0.30%	0.079%

rteres

113	8.828	8.817	8.856	VV	2035	29814	0.32%	0.082%
114	8.877	8.856	8.903	VV	1181	21717	0.23%	0.060%
115	8.934	8.903	8.962	VV	1396	30559	0.33%	0.085%
116	8.978	8.962	9.009	VV	1064	17951	0.19%	0.050%
117	9.040	9.009	9.079	VV	862	22550	0.24%	0.062%
118	9.105	9.079	9.149	VV	1614	30909	0.33%	0.085%
119	9.164	9.149	9.168	VV	444	3630	0.04%	0.010%
120	9.183	9.168	9.196	VV	764	10935	0.12%	0.030%
121	9.205	9.196	9.228	VV	869	11008	0.12%	0.030%
122	9.244	9.228	9.264	VV	1126	14518	0.15%	0.040%
123	9.281	9.264	9.293	VV	690	9619	0.10%	0.027%
124	9.297	9.293	9.324	VV	701	8991	0.10%	0.025%
125	9.349	9.324	9.359	VV	867	10932	0.12%	0.030%
126	9.383	9.359	9.499	VV	22397	449355	4.79%	1.243%
127	9.518	9.499	9.549	VV	3644	52554	0.56%	0.145%
128	9.561	9.549	9.571	VV	751	8648	0.09%	0.024%
129	9.589	9.571	9.599	VV	918	12900	0.14%	0.036%
130	9.603	9.599	9.632	VV	831	12039	0.13%	0.033%
131	9.635	9.632	9.649	VV	480	3398	0.04%	0.009%
132	9.658	9.649	9.672	VV	425	4252	0.05%	0.012%
133	9.678	9.672	9.710	VV	460	6444	0.07%	0.018%
134	9.731	9.710	9.738	VV	364	3932	0.04%	0.011%
135	9.762	9.738	9.774	PV	355	3967	0.04%	0.011%
136	9.791	9.774	9.808	VV	428	4747	0.05%	0.013%
137	9.830	9.808	9.854	VV	770	11074	0.12%	0.031%
138	9.891	9.854	9.895	VV	677	10776	0.11%	0.030%
139	9.902	9.895	9.925	VV	810	11376	0.12%	0.031%
140	9.938	9.925	9.967	VV	735	11864	0.13%	0.033%
141	9.993	9.967	10.000	VV	629	9257	0.10%	0.026%
142	10.020	10.000	10.072	VV	1065	18887	0.20%	0.052%
143	10.090	10.072	10.129	VV	865	20787	0.22%	0.057%
144	10.145	10.129	10.167	VV	679	11168	0.12%	0.031%
145	10.186	10.167	10.209	VV	903	16724	0.18%	0.046%
146	10.246	10.209	10.283	VV	1682	45285	0.48%	0.125%
147	10.297	10.283	10.307	VV	601	6355	0.07%	0.018%
148	10.324	10.307	10.342	VV	847	14645	0.16%	0.041%
149	10.373	10.342	10.396	VV	1876	33754	0.36%	0.093%
150	10.407	10.396	10.415	VV	367	3317	0.04%	0.009%
151	10.434	10.415	10.452	VV	453	7802	0.08%	0.022%
152	10.470	10.452	10.485	VV	584	8812	0.09%	0.024%
153	10.506	10.485	10.528	VV	734	13869	0.15%	0.038%
154	10.533	10.528	10.538	VV	611	3128	0.03%	0.009%
155	10.554	10.538	10.561	VV	785	9708	0.10%	0.027%

rteres

156	10.571	10.561	10.599	VV	835	15282	0.16%	0.042%
157	10.640	10.599	10.654	VV	1129	22091	0.24%	0.061%
158	10.666	10.654	10.690	VV	1152	18225	0.19%	0.050%
159	10.701	10.690	10.719	VV	596	6957	0.07%	0.019%
160	10.734	10.719	10.738	VV	392	3249	0.03%	0.009%
161	10.744	10.738	10.754	VV	384	3514	0.04%	0.010%
162	10.757	10.754	10.770	VV	375	3158	0.03%	0.009%
163	10.779	10.770	10.800	VV	542	6824	0.07%	0.019%
164	10.804	10.800	10.843	VV	372	5889	0.06%	0.016%
165	10.883	10.843	10.906	VV	1312	22590	0.24%	0.062%
166	10.914	10.906	10.919	VV	564	3154	0.03%	0.009%
167	10.948	10.919	10.985	VV	2070	35399	0.38%	0.098%
168	10.994	10.985	11.011	VV	566	6908	0.07%	0.019%
169	11.034	11.011	11.078	VV	767	16079	0.17%	0.044%
170	11.092	11.078	11.105	PV	341	2792	0.03%	0.008%
171	11.111	11.105	11.124	VV	185	1511	0.02%	0.004%
172	11.134	11.124	11.137	VV	379	2063	0.02%	0.006%
173	11.150	11.137	11.158	VV	512	4840	0.05%	0.013%
174	11.162	11.158	11.167	VV	466	2097	0.02%	0.006%
175	11.170	11.167	11.196	VV	363	3047	0.03%	0.008%
176	11.245	11.196	11.299	PV	523881	5594290	59.67%	15.472%
177	11.311	11.299	11.342	VV	1532	32402	0.35%	0.090%
178	11.367	11.342	11.377	VV	1146	20380	0.22%	0.056%
179	11.381	11.377	11.394	VV	955	7684	0.08%	0.021%
180	11.418	11.394	11.438	VV	1458	24168	0.26%	0.067%
181	11.458	11.438	11.486	VV	1358	21420	0.23%	0.059%
182	11.515	11.486	11.522	VV	1284	17570	0.19%	0.049%
183	11.539	11.522	11.562	VV	1761	30393	0.32%	0.084%
184	11.606	11.562	11.616	VV	1644	45407	0.48%	0.126%
185	11.630	11.616	11.644	VV	1995	27705	0.30%	0.077%
186	11.669	11.644	11.697	VV	7801	121548	1.30%	0.336%
187	11.711	11.697	11.726	VV	2279	29381	0.31%	0.081%
188	11.751	11.726	11.780	VV	2316	50269	0.54%	0.139%
189	11.825	11.780	11.838	VV	6126	92792	0.99%	0.257%
190	11.862	11.838	11.904	VV	24295	408574	4.36%	1.130%
191	11.921	11.904	11.952	VV	2960	67817	0.72%	0.188%
192	11.977	11.952	11.987	VV	3348	55441	0.59%	0.153%
193	12.012	11.987	12.054	VV	5664	145001	1.55%	0.401%
194	12.066	12.054	12.085	VV	2583	37727	0.40%	0.104%
195	12.112	12.085	12.137	VV	12205	161853	1.73%	0.448%
196	12.154	12.137	12.174	VV	4863	62313	0.66%	0.172%
197	12.183	12.174	12.227	VV	1369	25086	0.27%	0.069%
198	12.250	12.227	12.263	VV	2146	29124	0.31%	0.081%
199	12.281	12.263	12.294	VV	4919	61492	0.66%	0.170%

rteres

200	12.309	12.294	12.332	VV	7883	108615	1.16%	0.300%
201	12.345	12.332	12.360	VV	1769	22216	0.24%	0.061%
202	12.384	12.360	12.395	VV	2138	32022	0.34%	0.089%
203	12.407	12.395	12.462	VV	3789	47490	0.51%	0.131%
204	12.467	12.462	12.473	VV	304	1456	0.02%	0.004%
205	12.492	12.473	12.512	VV	922	13495	0.14%	0.037%
206	12.526	12.512	12.557	VV	631	10680	0.11%	0.030%
207	12.574	12.557	12.580	VV	422	2808	0.03%	0.008%
208	12.614	12.580	12.629	VV	6485	80571	0.86%	0.223%
209	12.645	12.629	12.660	VV	7462	92199	0.98%	0.255%
210	12.686	12.660	12.731	VV	156087	1862423	19.86%	5.151%
211	12.734	12.731	12.753	VV	1460	15832	0.17%	0.044%
212	12.765	12.753	12.785	VV	1391	20001	0.21%	0.055%
213	12.798	12.785	12.806	VV	893	9906	0.11%	0.027%
214	12.824	12.806	12.852	VV	945	20224	0.22%	0.056%
215	12.855	12.852	12.875	VV	687	8200	0.09%	0.023%
216	12.913	12.875	12.952	VV	4770	85604	0.91%	0.237%
217	12.988	12.952	13.016	VV	831	23259	0.25%	0.064%
218	13.045	13.016	13.075	VV	9658	125290	1.34%	0.347%
219	13.097	13.075	13.157	VV	4408	106890	1.14%	0.296%
220	13.170	13.157	13.191	VV	1281	19842	0.21%	0.055%
221	13.205	13.191	13.220	VV	732	9949	0.11%	0.028%
222	13.224	13.220	13.227	VV	648	2320	0.02%	0.006%
223	13.273	13.227	13.369	VV	159603	2144179	22.87%	5.930%
224	13.395	13.369	13.416	VV	2023	38527	0.41%	0.107%
225	13.440	13.416	13.460	VV	2349	34672	0.37%	0.096%
226	13.479	13.460	13.504	VV	1266	21396	0.23%	0.059%
227	13.533	13.504	13.587	VV	1538	43276	0.46%	0.120%
228	13.609	13.587	13.642	VV	480	9349	0.10%	0.026%
229	13.667	13.642	13.678	VV	584	7382	0.08%	0.020%
230	13.700	13.678	13.722	VV	1403	22927	0.24%	0.063%
231	13.732	13.722	13.758	VV	605	8496	0.09%	0.023%
232	13.768	13.758	13.787	VV	364	4621	0.05%	0.013%
233	13.805	13.787	13.832	VV	583	9460	0.10%	0.026%
234	13.881	13.832	13.913	VV	1412	37373	0.40%	0.103%
235	13.928	13.913	13.957	VV	663	11853	0.13%	0.033%
236	13.974	13.957	13.988	VV	738	9806	0.10%	0.027%
237	13.999	13.988	14.021	VV	831	13642	0.15%	0.038%
238	14.026	14.021	14.077	VV	691	13448	0.14%	0.037%
239	14.082	14.077	14.095	VV	267	2621	0.03%	0.007%
240	14.098	14.095	14.103	VV	326	1299	0.01%	0.004%
241	14.108	14.103	14.120	VV	258	2168	0.02%	0.006%
242	14.165	14.120	14.194	VV	1364	30285	0.32%	0.084%

rteres

243	14.203	14.194	14.217	VV	552	6145	0.07%	0.017%
244	14.234	14.217	14.282	VV	910	21654	0.23%	0.060%
245	14.310	14.282	14.335	VV	583	12600	0.13%	0.035%
246	14.349	14.335	14.363	VV	566	6103	0.07%	0.017%
247	14.382	14.363	14.439	VV	879	21002	0.22%	0.058%
248	14.445	14.439	14.465	VV	378	4527	0.05%	0.013%
249	14.503	14.465	14.520	VV	1600	30167	0.32%	0.083%
250	14.537	14.520	14.570	VV	2028	36597	0.39%	0.101%
251	14.588	14.570	14.612	VV	1209	19118	0.20%	0.053%
252	14.618	14.612	14.623	VV	444	2463	0.03%	0.007%
253	14.652	14.623	14.688	VV	753	18164	0.19%	0.050%
254	14.713	14.688	14.742	VV	805	18783	0.20%	0.052%
255	14.749	14.742	14.763	VV	461	4764	0.05%	0.013%
256	14.769	14.763	14.773	VV	407	2240	0.02%	0.006%
257	14.784	14.773	14.794	VV	531	5243	0.06%	0.015%
258	14.803	14.794	14.820	VV	570	6172	0.07%	0.017%
259	14.838	14.820	14.859	VV	744	9747	0.10%	0.027%
260	14.870	14.859	14.875	VV	399	2532	0.03%	0.007%
261	14.918	14.875	15.029	VV	4417	157362	1.68%	0.435%
262	15.069	15.029	15.098	VV	2548	59671	0.64%	0.165%
263	15.108	15.098	15.160	VV	943	19657	0.21%	0.054%
264	15.200	15.160	15.205	VV	581	11538	0.12%	0.032%
265	15.230	15.205	15.238	VV	581	8280	0.09%	0.023%
266	15.255	15.238	15.282	VV	1109	17010	0.18%	0.047%
267	15.291	15.282	15.309	VV	515	7418	0.08%	0.021%
268	15.315	15.309	15.320	VV	583	3526	0.04%	0.010%
269	15.324	15.320	15.331	VV	606	3657	0.04%	0.010%
270	15.353	15.331	15.387	VV	1259	25722	0.27%	0.071%
271	15.390	15.387	15.395	VV	507	2158	0.02%	0.006%
272	15.413	15.395	15.423	VV	721	10232	0.11%	0.028%
273	15.442	15.423	15.473	VV	908	20111	0.21%	0.056%
274	15.477	15.473	15.481	VV	634	2396	0.03%	0.007%
275	15.484	15.481	15.490	VV	499	2485	0.03%	0.007%
276	15.509	15.490	15.531	VV	998	17279	0.18%	0.048%
277	15.553	15.531	15.578	VV	1957	31146	0.33%	0.086%
278	15.594	15.578	15.605	VV	677	9218	0.10%	0.025%
279	15.621	15.605	15.658	VV	855	14173	0.15%	0.039%
280	15.705	15.658	15.723	PV	886	15686	0.17%	0.043%
281	15.752	15.723	15.793	VV	960	23898	0.25%	0.066%
282	15.799	15.793	15.810	VV	341	2649	0.03%	0.007%
283	15.827	15.810	15.833	VV	353	3350	0.04%	0.009%
284	15.842	15.833	15.849	VV	380	3061	0.03%	0.008%
285	15.860	15.849	15.890	VV	590	10808	0.12%	0.030%

rteres

286	15.894	15.890	15.898	VV	530	1893	0.02%	0.005%
287	15.925	15.898	15.985	VV	1497	41960	0.45%	0.116%
288	16.002	15.985	16.011	VV	575	7748	0.08%	0.021%
289	16.034	16.011	16.058	VV	1252	21226	0.23%	0.059%
290	16.068	16.058	16.077	VV	595	5435	0.06%	0.015%
291	16.112	16.077	16.145	VV	1736	40860	0.44%	0.113%
292	16.181	16.145	16.197	VV	1136	24351	0.26%	0.067%
293	16.200	16.197	16.205	VV	945	4605	0.05%	0.013%
294	16.208	16.205	16.217	VV	1003	6034	0.06%	0.017%
295	16.224	16.217	16.233	VV	982	8773	0.09%	0.024%
296	16.237	16.233	16.241	VV	920	3839	0.04%	0.011%
297	16.244	16.241	16.279	VV	976	15420	0.16%	0.043%
298	16.289	16.279	16.294	VV	597	4751	0.05%	0.013%
299	16.300	16.294	16.307	VV	620	3744	0.04%	0.010%
300	16.313	16.307	16.321	VV	544	3738	0.04%	0.010%
301	16.329	16.321	16.344	VV	558	6233	0.07%	0.017%
302	16.349	16.344	16.358	VV	544	3659	0.04%	0.010%
303	16.410	16.358	16.440	VV	1404	35643	0.38%	0.099%
304	16.464	16.440	16.482	VV	1675	28792	0.31%	0.080%
305	16.496	16.482	16.520	VV	2073	33351	0.36%	0.092%
306	16.539	16.520	16.570	VV	2234	33900	0.36%	0.094%
307	16.579	16.570	16.591	VV	547	4891	0.05%	0.014%
308	16.601	16.591	16.622	VV	512	6862	0.07%	0.019%
309	16.635	16.622	16.648	VV	425	4555	0.05%	0.013%
310	16.661	16.648	16.682	VV	436	6175	0.07%	0.017%
311	16.689	16.682	16.694	VV	359	2122	0.02%	0.006%
312	16.703	16.694	16.712	VV	496	3448	0.04%	0.010%
313	16.717	16.712	16.731	VV	320	2396	0.03%	0.007%
314	16.742	16.731	16.755	PV	282	2097	0.02%	0.006%
315	16.762	16.755	16.766	VV	302	1423	0.02%	0.004%
316	16.810	16.766	16.835	VV	1328	29800	0.32%	0.082%
317	16.868	16.835	16.897	VV	1344	25320	0.27%	0.070%
318	16.945	16.897	16.989	VV	2001	44759	0.48%	0.124%
319	17.011	16.989	17.018	VV	421	5402	0.06%	0.015%
320	17.059	17.018	17.100	VV	1202	27261	0.29%	0.075%
321	17.150	17.109	17.180	VV	1022	22969	0.24%	0.064%
322	17.183	17.180	17.212	VV	340	2844	0.03%	0.008%
323	17.256	17.212	17.262	PV	412	8288	0.09%	0.023%
324	17.267	17.262	17.280	VV	427	2540	0.03%	0.007%
325	17.289	17.280	17.294	VV	383	2493	0.03%	0.007%
326	17.310	17.294	17.319	VV	410	4875	0.05%	0.013%
327	17.382	17.319	17.408	VV	1941	45060	0.48%	0.125%
328	17.418	17.408	17.436	VV	584	7383	0.08%	0.020%
329	17.470	17.436	17.507	VV	3141	56378	0.60%	0.156%

rteres

330	17.528	17.507	17.562	VV	1137	23363	0.25%	0.065%
331	17.580	17.562	17.622	VV	836	17390	0.19%	0.048%
332	17.671	17.622	17.708	VV	2581	50039	0.53%	0.138%
333	17.738	17.708	17.767	VV	3027	59619	0.64%	0.165%
334	17.801	17.767	17.831	VV	2678	62024	0.66%	0.172%
335	17.846	17.831	17.857	VV	509	5741	0.06%	0.016%
336	17.860	17.857	17.865	VV	492	2013	0.02%	0.006%
337	17.872	17.865	17.883	VV	603	4655	0.05%	0.013%
338	17.897	17.883	17.917	VV	754	10409	0.11%	0.029%
339	17.929	17.917	17.937	VV	370	2837	0.03%	0.008%
340	17.953	17.937	17.962	VV	238	1833	0.02%	0.005%
341	18.001	17.962	18.015	PV	346	5775	0.06%	0.016%
342	18.026	18.015	18.030	VV	430	2977	0.03%	0.008%
343	18.041	18.030	18.045	VV	407	3203	0.03%	0.009%
344	18.069	18.045	18.119	VV	833	22236	0.24%	0.061%
345	18.163	18.119	18.174	VV	615	14263	0.15%	0.039%
346	18.209	18.174	18.232	VV	1950	40282	0.43%	0.111%
347	18.247	18.232	18.280	VV	1849	27495	0.29%	0.076%

Sum of corrected areas: 36157718

Aromatic EPH 121024.M Sat Dec 21 05:20:57 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068066.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 15:12
Operator : YP/AJ
Sample : P5299-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
SB-02

Integration File: autoint1.e
Quant Time: Dec 21 01:52:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.889	7204980	56.468 ug/ml
Spiked Amount 50.000		Recovery = 112.94%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

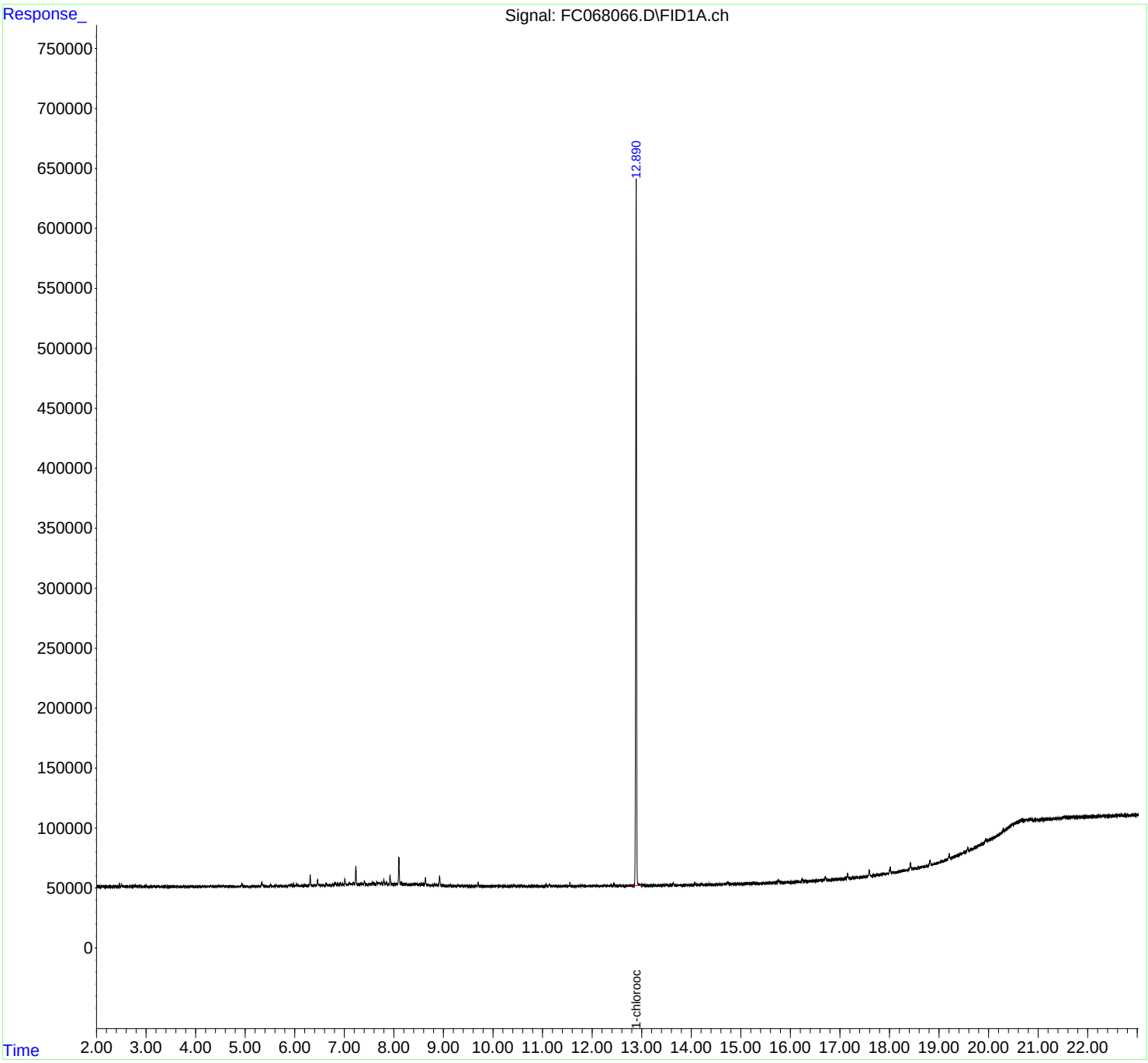
Sample Results: **FC068066.D**

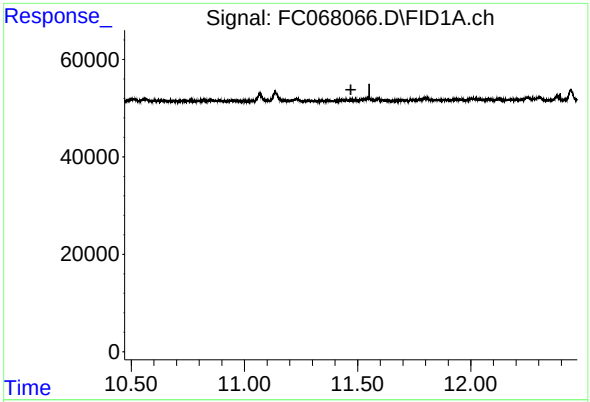
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068066.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 15:12
Operator : YP/AJ
Sample : P5299-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
SB-02

Integration File: autoint1.e
Quant Time: Dec 21 01:52:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

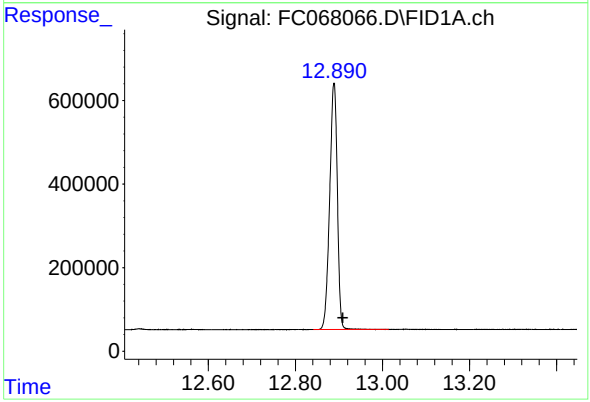




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.470 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
SB-02



#12 1-chlorooctadecane (SURR)

R.T.: 12.889 min
Delta R.T.: -0.021 min
Response: 7204980
Conc: 56.47 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068066.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 15:12
Sample : P5299-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.131	3.104	3.151	BV	102	809	0.01%	0.003%
2	3.160	3.151	3.196	PV	93	1229	0.02%	0.005%
3	3.218	3.196	3.230	VV	125	1766	0.02%	0.008%
4	3.245	3.230	3.331	VV	350	7420	0.10%	0.032%
5	3.341	3.331	3.363	VV	59	787	0.01%	0.003%
6	3.385	3.363	3.393	VV	142	1631	0.02%	0.007%
7	3.403	3.393	3.431	VV	224	2629	0.04%	0.011%
8	3.445	3.431	3.464	VV	98	1313	0.02%	0.006%
9	3.517	3.464	3.526	PV	211	3783	0.05%	0.016%
10	3.538	3.526	3.556	VV	170	2333	0.03%	0.010%
11	3.566	3.556	3.596	VV	167	2339	0.03%	0.010%
12	3.617	3.596	3.637	VV	179	2863	0.04%	0.012%
13	3.647	3.637	3.674	VV	120	1658	0.02%	0.007%
14	3.737	3.674	3.797	VV	307	7414	0.10%	0.032%
15	3.817	3.797	3.832	VV	257	2806	0.04%	0.012%
16	3.843	3.832	3.858	VV	186	1991	0.03%	0.009%
17	3.906	3.858	3.921	VV	329	5905	0.08%	0.026%
18	3.934	3.921	3.958	VV	555	6485	0.09%	0.028%
19	3.972	3.958	3.980	VV	130	1204	0.02%	0.005%
20	3.999	3.980	4.025	VV	211	3633	0.05%	0.016%
21	4.081	4.025	4.099	VV	504	10657	0.15%	0.046%
22	4.115	4.099	4.125	VV	210	2726	0.04%	0.012%
23	4.137	4.125	4.161	VV	183	3140	0.04%	0.014%
24	4.217	4.161	4.231	VV	228	5785	0.08%	0.025%
25	4.258	4.231	4.280	VV	221	5673	0.08%	0.025%
26	4.303	4.280	4.326	VV	929	13005	0.18%	0.056%
27	4.344	4.326	4.365	VV	239	4685	0.06%	0.020%
28	4.373	4.365	4.386	VV	227	1947	0.03%	0.008%
29	4.406	4.386	4.431	VV	434	7304	0.10%	0.032%
30	4.469	4.431	4.486	VV	711	12669	0.17%	0.055%
31	4.498	4.486	4.511	VV	400	4919	0.07%	0.021%
32	4.525	4.511	4.538	VV	597	6326	0.09%	0.027%
33	4.555	4.538	4.572	VV	1220	12683	0.18%	0.055%
34	4.581	4.572	4.596	VV	374	3677	0.05%	0.016%
35	4.609	4.596	4.619	VV	253	2918	0.04%	0.013%
36	4.631	4.619	4.651	VV	324	3546	0.05%	0.015%

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37	4.670	4.651	4.688	VV	331	4183	0.06%	0.018%
38	4.709	4.688	4.731	VV	266	4156	0.06%	0.018%
39	4.769	4.731	4.804	VV	677	10977	0.15%	0.047%
40	4.816	4.804	4.838	VV	158	2358	0.03%	0.010%
41	4.857	4.838	4.874	VV	311	3747	0.05%	0.016%
42	4.933	4.874	4.961	VV	2103	33950	0.47%	0.147%
43	4.984	4.961	5.022	VV	669	13476	0.19%	0.058%
44	5.040	5.022	5.078	VV	672	9937	0.14%	0.043%
45	5.092	5.078	5.113	VV	187	2809	0.04%	0.012%
46	5.134	5.113	5.176	VV	584	13109	0.18%	0.057%
47	5.193	5.176	5.209	VV	560	7160	0.10%	0.031%
48	5.226	5.209	5.237	VV	366	4256	0.06%	0.018%
49	5.254	5.237	5.271	VV	411	6518	0.09%	0.028%
50	5.281	5.271	5.297	VV	387	4273	0.06%	0.018%
51	5.334	5.297	5.411	VV	3671	68034	0.94%	0.294%
52	5.429	5.411	5.443	VV	311	5168	0.07%	0.022%
53	5.456	5.443	5.471	VV	328	4086	0.06%	0.018%
54	5.481	5.471	5.491	VV	318	3146	0.04%	0.014%
55	5.512	5.491	5.552	VV	1779	24531	0.34%	0.106%
56	5.586	5.552	5.600	VV	524	9373	0.13%	0.041%
57	5.625	5.600	5.662	VV	1111	22263	0.31%	0.096%
58	5.679	5.662	5.698	VV	663	8506	0.12%	0.037%
59	5.720	5.698	5.757	VV	1118	18861	0.26%	0.082%
60	5.785	5.757	5.806	VV	640	12860	0.18%	0.056%
61	5.837	5.806	5.852	VV	626	13961	0.19%	0.060%
62	5.882	5.852	5.905	VV	1442	31300	0.43%	0.135%
63	5.929	5.905	5.952	VV	1923	32052	0.44%	0.139%
64	5.972	5.952	5.997	VV	2002	27974	0.39%	0.121%
65	6.035	5.997	6.048	VV	1964	31638	0.44%	0.137%
66	6.060	6.048	6.083	VV	1373	21909	0.30%	0.095%
67	6.119	6.083	6.129	VV	858	19651	0.27%	0.085%
68	6.145	6.129	6.173	VV	1584	23947	0.33%	0.104%
69	6.196	6.173	6.218	VV	1304	27106	0.37%	0.117%
70	6.239	6.218	6.258	VV	1293	22926	0.32%	0.099%
71	6.312	6.258	6.384	VV	9784	155748	2.15%	0.673%
72	6.409	6.384	6.424	VV	1332	26033	0.36%	0.113%
73	6.461	6.424	6.488	VV	5855	92557	1.28%	0.400%
74	6.497	6.488	6.516	VV	1461	20670	0.29%	0.089%
75	6.531	6.516	6.554	VV	1659	26712	0.37%	0.115%
76	6.572	6.554	6.604	VV	1382	32414	0.45%	0.140%
77	6.632	6.604	6.656	VV	2496	45482	0.63%	0.197%
78	6.667	6.656	6.681	VV	1421	17664	0.24%	0.076%
79	6.697	6.681	6.738	VV	1414	37261	0.51%	0.161%
80	6.754	6.738	6.788	VV	1674	40034	0.55%	0.173%
81	6.807	6.788	6.818	VV	2772	40182	0.55%	0.174%
82	6.828	6.818	6.847	VV	2707	37169	0.51%	0.161%
83	6.869	6.847	6.893	VV	2794	52195	0.72%	0.226%
84	6.914	6.893	6.949	VV	3212	68300	0.94%	0.295%
85	6.969	6.949	6.989	VV	2849	44253	0.61%	0.191%
86	7.012	6.989	7.049	VV	6089	103370	1.43%	0.447%
87	7.064	7.049	7.078	VV	1697	27293	0.38%	0.118%
88	7.108	7.078	7.127	VV	3105	71072	0.98%	0.307%
89	7.148	7.127	7.163	VV	2081	41406	0.57%	0.179%

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90	7.181	7.163	7.209	VV	3280	68428	0.94%	0.296%
91	7.234	7.209	7.263	VV	17089	211754	2.92%	0.915%
92	7.284	7.263	7.307	VV	1963	47829	0.66%	0.207%
93	7.324	7.307	7.335	VV	2192	31476	0.43%	0.136%
94	7.353	7.335	7.378	VV	2528	55281	0.76%	0.239%
95	7.406	7.378	7.438	VV	4634	98365	1.36%	0.425%
96	7.448	7.438	7.469	VV	1756	30234	0.42%	0.131%
97	7.493	7.469	7.506	VV	2427	40934	0.57%	0.177%
98	7.518	7.506	7.530	VV	2116	29478	0.41%	0.127%
99	7.568	7.530	7.584	VV	3582	79496	1.10%	0.344%
100	7.599	7.584	7.634	VV	2657	63054	0.87%	0.273%
101	7.656	7.634	7.672	VV	4114	64487	0.89%	0.279%
102	7.687	7.672	7.698	VV	3352	44516	0.61%	0.192%
103	7.709	7.698	7.728	VV	3368	48230	0.67%	0.208%
104	7.753	7.728	7.772	VV	3637	68615	0.95%	0.297%
105	7.798	7.772	7.822	VV	5489	99320	1.37%	0.429%
106	7.854	7.822	7.878	VV	4057	87582	1.21%	0.379%
107	7.892	7.878	7.901	VV	2034	25371	0.35%	0.110%
108	7.923	7.901	7.948	VV	9495	128841	1.78%	0.557%
109	7.970	7.948	7.994	VV	2460	55278	0.76%	0.239%
110	8.010	7.994	8.029	VV	2765	44334	0.61%	0.192%
111	8.101	8.029	8.131	VV	24374	363205	5.01%	1.570%
112	8.150	8.131	8.176	VV	3285	61716	0.85%	0.267%
113	8.196	8.176	8.230	VV	2310	61158	0.84%	0.264%
114	8.251	8.230	8.274	VV	2800	54983	0.76%	0.238%
115	8.292	8.274	8.324	VV	1872	48674	0.67%	0.210%
116	8.339	8.324	8.361	VV	1632	32541	0.45%	0.141%
117	8.405	8.361	8.437	VV	2515	80831	1.12%	0.349%
118	8.456	8.437	8.494	VV	2505	66582	0.92%	0.288%
119	8.516	8.494	8.533	VV	2003	40942	0.57%	0.177%
120	8.549	8.533	8.571	VV	2388	40523	0.56%	0.175%
121	8.590	8.571	8.604	VV	2122	33860	0.47%	0.146%
122	8.637	8.604	8.667	VV	7232	115034	1.59%	0.497%
123	8.688	8.667	8.737	VV	1949	52777	0.73%	0.228%
124	8.782	8.737	8.799	VV	1194	35716	0.49%	0.154%
125	8.820	8.799	8.841	VV	1922	32364	0.45%	0.140%
126	8.857	8.841	8.888	VV	1346	32510	0.45%	0.141%
127	8.922	8.888	8.987	VV	8790	151135	2.09%	0.653%
128	9.006	8.987	9.028	VV	1113	19349	0.27%	0.084%
129	9.056	9.028	9.087	VV	709	18555	0.26%	0.080%
130	9.112	9.087	9.131	VV	1079	18820	0.26%	0.081%
131	9.140	9.131	9.169	VV	598	11389	0.16%	0.049%
132	9.177	9.169	9.191	VV	406	5079	0.07%	0.022%
133	9.221	9.191	9.261	VV	609	18292	0.25%	0.079%
134	9.292	9.261	9.327	VV	1310	28405	0.39%	0.123%
135	9.339	9.327	9.351	VV	537	6224	0.09%	0.027%
136	9.376	9.351	9.405	VV	723	14833	0.20%	0.064%
137	9.427	9.405	9.442	VV	755	11205	0.15%	0.048%
138	9.479	9.442	9.508	VV	682	16335	0.23%	0.071%
139	9.531	9.508	9.551	VV	326	6010	0.08%	0.026%
140	9.573	9.551	9.594	VV	252	3927	0.05%	0.017%
141	9.617	9.594	9.638	VV	474	7068	0.10%	0.031%

rteres

142	9.650	9.638	9.673	VV	306	5479	0.08%	0.024%
143	9.698	9.673	9.741	VV	2869	38893	0.54%	0.168%
144	9.766	9.741	9.778	VV	292	4737	0.07%	0.020%
145	9.789	9.778	9.814	VV	212	3858	0.05%	0.017%
146	9.825	9.814	9.835	VV	128	1223	0.02%	0.005%
147	9.847	9.835	9.861	VV	107	1701	0.02%	0.007%
148	9.868	9.861	9.885	VV	139	1600	0.02%	0.007%
149	9.901	9.885	9.956	VV	149	3282	0.05%	0.014%
150	9.974	9.956	9.998	PV	133	1844	0.03%	0.008%
151	10.042	9.998	10.051	VV	172	4607	0.06%	0.020%
152	10.086	10.051	10.109	VV	661	12480	0.17%	0.054%
153	10.128	10.109	10.153	VV	264	4711	0.07%	0.020%
154	10.166	10.153	10.210	VV	197	5165	0.07%	0.022%
155	10.224	10.210	10.281	VV	193	4158	0.06%	0.018%
156	10.297	10.281	10.314	VV	209	2311	0.03%	0.010%
157	10.329	10.314	10.345	VV	231	3098	0.04%	0.013%
158	10.370	10.345	10.398	VV	675	7220	0.10%	0.031%
159	10.432	10.398	10.473	VV	886	22787	0.31%	0.098%
160	10.509	10.473	10.541	VV	487	12440	0.17%	0.054%
161	10.561	10.541	10.594	VV	582	9578	0.13%	0.041%
162	10.606	10.594	10.615	VV	209	2101	0.03%	0.009%
163	10.622	10.615	10.631	VV	188	1583	0.02%	0.007%
164	10.651	10.631	10.681	VV	177	3893	0.05%	0.017%
165	10.718	10.681	10.734	PV	157	2836	0.04%	0.012%
166	10.818	10.734	10.839	VV	242	10591	0.15%	0.046%
167	10.854	10.839	10.874	VV	313	4592	0.06%	0.020%
168	10.889	10.874	10.918	VV	163	3192	0.04%	0.014%
169	10.942	10.918	10.990	VV	239	5104	0.07%	0.022%
170	11.002	10.990	11.028	VV	103	1666	0.02%	0.007%
171	11.068	11.028	11.101	VV	1429	22759	0.31%	0.098%
172	11.136	11.101	11.197	VV	1965	31505	0.43%	0.136%
173	11.231	11.197	11.260	VV	565	9707	0.13%	0.042%
174	11.271	11.260	11.338	VV	126	3101	0.04%	0.013%
175	11.378	11.338	11.388	VV	99	1818	0.03%	0.008%
176	11.486	11.388	11.504	VV	234	11189	0.15%	0.048%
177	11.551	11.504	11.571	VV	1646	16262	0.22%	0.070%
178	11.590	11.571	11.651	VV	477	10617	0.15%	0.046%
179	11.696	11.651	11.721	PV	173	4394	0.06%	0.019%
180	11.802	11.721	11.832	VV	663	19685	0.27%	0.085%
181	11.856	11.832	11.924	VV	251	9475	0.13%	0.041%
182	11.936	11.924	11.952	VV	275	3893	0.05%	0.017%
183	11.960	11.952	11.977	VV	287	2774	0.04%	0.012%
184	12.011	11.977	12.061	VV	416	13189	0.18%	0.057%
185	12.077	12.061	12.099	VV	396	5941	0.08%	0.026%
186	12.120	12.099	12.198	VV	315	10473	0.14%	0.045%
187	12.211	12.198	12.221	VV	233	2707	0.04%	0.012%
188	12.253	12.221	12.282	VV	641	13436	0.19%	0.058%
189	12.302	12.282	12.338	VV	718	11758	0.16%	0.051%
190	12.382	12.338	12.416	VV	790	13295	0.18%	0.057%
191	12.442	12.416	12.488	VV	2190	29471	0.41%	0.127%
192	12.502	12.488	12.528	VV	186	3337	0.05%	0.014%
193	12.564	12.528	12.608	VV	595	11918	0.16%	0.052%
194	12.656	12.608	12.678	PV	131	2685	0.04%	0.012%

rteres

195	12.718	12.678	12.751	VV	200	5681	0.08%	0.025%
196	12.759	12.751	12.781	VV	154	2886	0.04%	0.012%
197	12.799	12.781	12.828	VV	195	4404	0.06%	0.019%
198	12.889	12.828	13.031	VV	591434	7243784	100.00%	31.312%
199	13.053	13.031	13.143	VV	834	27197	0.38%	0.118%
200	13.170	13.143	13.201	VV	281	6569	0.09%	0.028%
201	13.253	13.201	13.284	VV	293	10240	0.14%	0.044%
202	13.289	13.284	13.294	VV	211	1022	0.01%	0.004%
203	13.321	13.294	13.371	VV	313	8671	0.12%	0.037%
204	13.391	13.371	13.401	VV	142	1995	0.03%	0.009%
205	13.408	13.401	13.421	VV	102	1090	0.02%	0.005%
206	13.460	13.421	13.471	VV	398	6495	0.09%	0.028%
207	13.479	13.471	13.483	VV	327	1800	0.02%	0.008%
208	13.505	13.483	13.538	VV	406	8517	0.12%	0.037%
209	13.553	13.538	13.561	VV	129	1492	0.02%	0.006%
210	13.586	13.561	13.609	VV	679	9754	0.13%	0.042%
211	13.637	13.609	13.679	VV	1880	25860	0.36%	0.112%
212	13.694	13.679	13.804	VV	172	4651	0.06%	0.020%
213	13.858	13.804	13.914	PV	166	5754	0.08%	0.025%
214	13.936	13.914	13.954	PV	148	1449	0.02%	0.006%
215	14.073	13.954	14.116	PV	1535	27553	0.38%	0.119%
216	14.143	14.116	14.167	VV	149	3235	0.04%	0.014%
217	14.199	14.167	14.244	VV	873	12199	0.17%	0.053%
218	14.259	14.244	14.317	VV	195	3863	0.05%	0.017%
219	14.363	14.317	14.434	VV	530	13229	0.18%	0.057%
220	14.489	14.434	14.536	VV	168	6079	0.08%	0.026%
221	14.549	14.536	14.556	PV	177	1590	0.02%	0.007%
222	14.580	14.556	14.608	VV	435	6754	0.09%	0.029%
223	14.617	14.608	14.641	VV	166	1779	0.02%	0.008%
224	14.655	14.641	14.671	VV	170	1786	0.02%	0.008%
225	14.694	14.671	14.712	PV	548	8490	0.12%	0.037%
226	14.737	14.712	14.781	VV	2220	32932	0.45%	0.142%
227	14.796	14.781	14.811	VV	232	3211	0.04%	0.014%
228	14.820	14.811	14.841	VV	124	1308	0.02%	0.006%
229	14.848	14.841	14.883	PV	112	1226	0.02%	0.005%
230	14.899	14.883	14.904	VV	124	729	0.01%	0.003%
231	14.938	14.904	14.969	VV	183	4565	0.06%	0.020%
232	14.982	14.969	15.061	VV	109	3362	0.05%	0.015%
233	15.072	15.061	15.104	PV	111	1917	0.03%	0.008%
234	15.155	15.104	15.198	VV	490	11180	0.15%	0.048%
235	15.257	15.198	15.290	VV	1443	24842	0.34%	0.107%
236	15.307	15.290	15.365	VV	289	6891	0.10%	0.030%
237	15.393	15.365	15.408	PV	108	1878	0.03%	0.008%
238	15.480	15.408	15.511	VV	199	6639	0.09%	0.029%
239	15.627	15.511	15.661	VV	226	13446	0.19%	0.058%
240	15.719	15.661	15.732	VV	414	7197	0.10%	0.031%
241	15.757	15.732	15.798	VV	2292	35350	0.49%	0.153%
242	15.810	15.798	15.835	VV	250	2962	0.04%	0.013%
243	15.845	15.835	15.864	PV	143	1082	0.01%	0.005%
244	15.901	15.864	15.964	VV	372	10718	0.15%	0.046%
245	16.003	15.964	16.021	VV	115	3417	0.05%	0.015%
246	16.121	16.021	16.134	PV	207	8785	0.12%	0.038%

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247	16.145	16.134	16.170	VV	135	1860	0.03%	0.008%
248	16.239	16.170	16.268	VV	2010	30285	0.42%	0.131%
249	16.278	16.268	16.287	VV	158	1851	0.03%	0.008%
250	16.315	16.287	16.342	VV	261	4853	0.07%	0.021%
251	16.408	16.342	16.431	PV	178	4738	0.07%	0.020%
252	16.601	16.431	16.631	VV	433	17227	0.24%	0.074%
253	16.641	16.631	16.651	VV	85	674	0.01%	0.003%
254	16.706	16.651	16.787	PV	3219	56314	0.78%	0.243%
255	16.868	16.787	16.881	PV	128	4237	0.06%	0.018%
256	16.996	16.881	17.058	VV	151	5224	0.07%	0.023%
257	17.105	17.058	17.118	PV	112	2544	0.04%	0.011%
258	17.155	17.118	17.201	PV	3726	55387	0.76%	0.239%
259	17.266	17.201	17.294	VV	346	6853	0.09%	0.030%
260	17.591	17.294	17.638	PV	4774	67967	0.94%	0.294%
261	17.759	17.638	17.778	PV	208	9788	0.14%	0.042%
262	17.870	17.778	17.894	PV	447	12047	0.17%	0.052%
263	18.013	17.894	18.064	VV	4926	75170	1.04%	0.325%
264	18.279	18.064	18.298	PV	365	4387	0.06%	0.019%
265	18.422	18.298	18.473	PV	5309	86016	1.19%	0.372%
266	18.679	18.473	18.694	VV	283	3608	0.05%	0.016%
267	18.818	18.694	18.848	PV	3898	52904	0.73%	0.229%
268	19.006	18.848	19.013	PV	129	-5857	-0.08%	-0.025%
269	19.204	19.013	19.234	PV	4501	94589	1.31%	0.409%
270	19.579	19.234	19.605	VV	4551	323872	4.47%	1.400%
271	19.943	19.605	19.974	VV	7120	800044	11.04%	3.458%
272	20.301	19.974	20.323	VV	10210	1455446	20.09%	6.291%
273	20.479	20.323	20.488	VV	12328	1069018	14.76%	4.621%
274	20.660	20.488	20.691	VV	14043	1561078	21.55%	6.748%
275	20.828	20.691	20.942	VV	12169	1759568	24.29%	7.606%
276	20.986	20.942	21.021	VV	9476	445029	6.14%	1.924%
277	21.069	21.021	21.131	VV	8873	557598	7.70%	2.410%
278	21.416	21.131	21.434	VV	5115	1160851	16.03%	5.018%
279	21.528	21.434	21.568	VV	4638	355166	4.90%	1.535%
280	21.593	21.568	21.644	VV	3499	150150	2.07%	0.649%
281	21.729	21.644	21.744	VV	1808	130224	1.80%	0.563%
282	21.824	21.744	21.854	VV	770	63800	0.88%	0.276%
283	21.871	21.854	21.881	VV	272	3536	0.05%	0.015%
			Sum of corrected areas:			23134296		

Aliphatic EPH 121024.M Sat Dec 21 02:41:36 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048904.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 15:12
Operator : YP/AJ
Sample : P5299-04
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
SB-02

Integration File: autoint1.e
Quant Time: Dec 21 04:05:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
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...	7.361	7667113	45.520 ug/ml
Spiked Amount 50.000		Recovery =	91.04%
6) S 2-Flurobiphenyl (SURR)	8.210	4932050	47.741 ug/ml
Spiked Amount 50.000	Range 0 - 131	Recovery =	95.48%
11) S ortho-Terphenyl (SURR)	11.245	5200786	29.274 ug/ml
Spiked Amount 50.000		Recovery =	58.55%
Target Compounds			

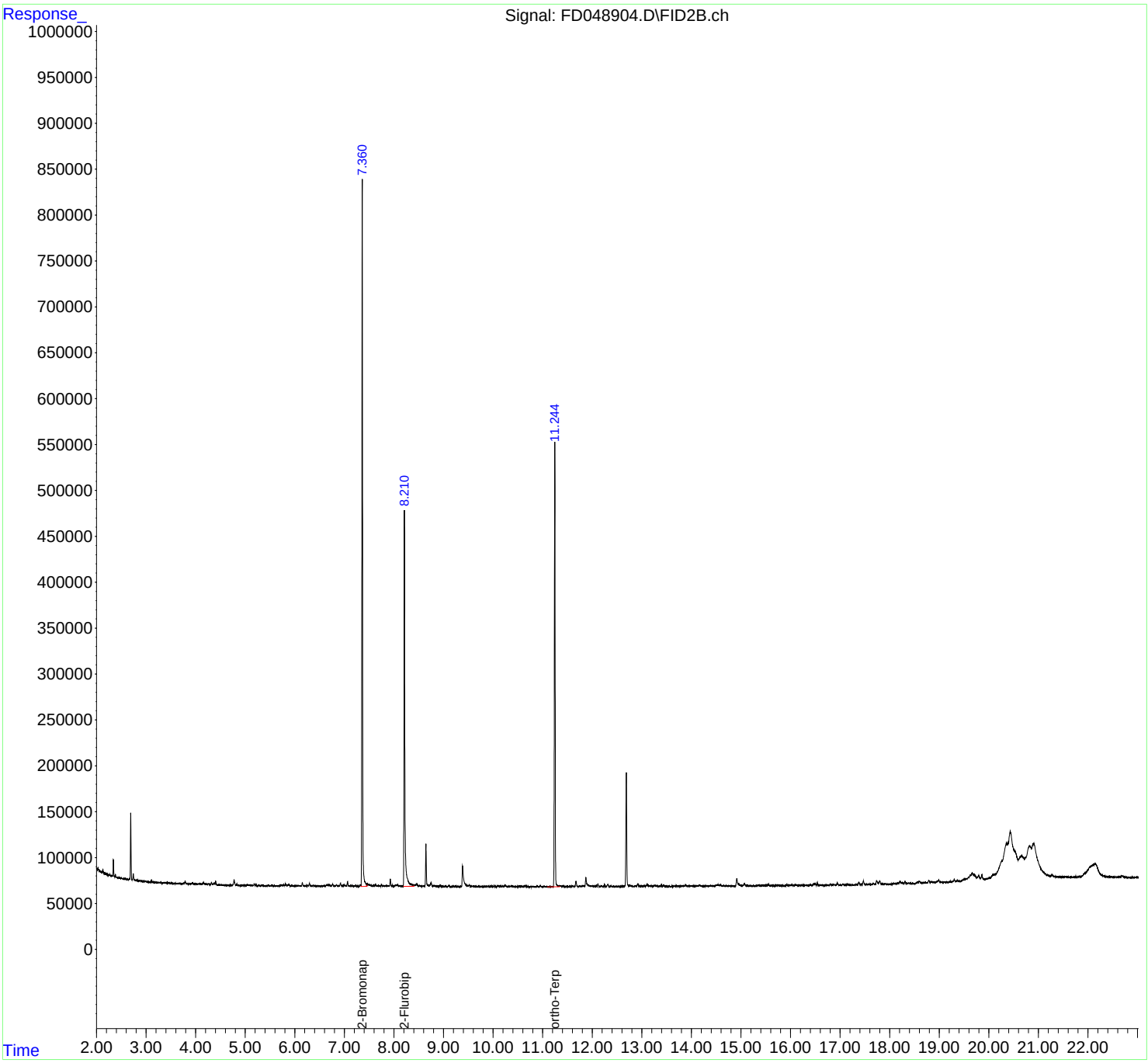
(f)=RT Delta > 1/2 Window (m)=manual int.

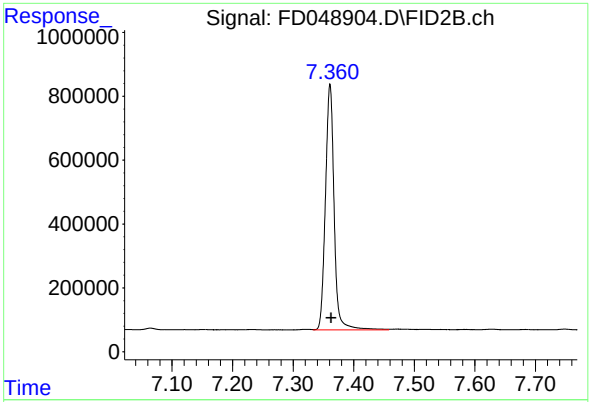
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048904.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 15:12
Operator : YP/AJ
Sample : P5299-04
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
SB-02

Integration File: autoint1.e
Quant Time: Dec 21 04:05:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

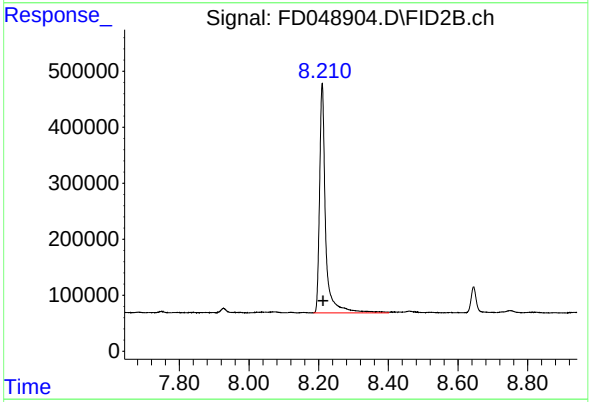




#4 2-Bromonaphthalene (SURR)

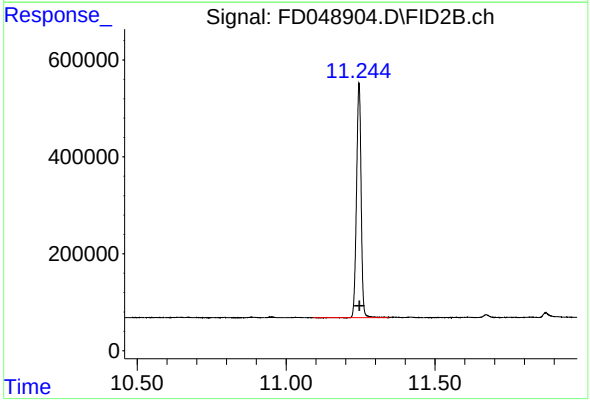
R.T.: 7.361 min
Delta R.T.: -0.002 min
Response: 7667113
Conc: 45.52 ug/ml

Instrument :
FID_D
ClientSampleId :
SB-02



#6 2-Flurobiphenyl (SURR)

R.T.: 8.210 min
Delta R.T.: -0.003 min
Response: 4932050
Conc: 47.74 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.245 min
Delta R.T.: -0.002 min
Response: 5200786
Conc: 29.27 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048904.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 15:12
Sample : P5299-04
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.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	4.054	4.042	4.062	BV	386	2957	0.04%	0.011%
2	4.075	4.062	4.090	VV	515	6773	0.09%	0.026%
3	4.093	4.090	4.117	VV	474	4440	0.06%	0.017%
4	4.121	4.117	4.125	VV	247	1230	0.02%	0.005%
5	4.159	4.125	4.202	VV	2322	41523	0.54%	0.160%
6	4.206	4.202	4.220	VV	557	5397	0.07%	0.021%
7	4.227	4.220	4.244	VV	543	6797	0.09%	0.026%
8	4.260	4.244	4.292	VV	1197	16204	0.21%	0.062%
9	4.319	4.292	4.340	VV	2909	35540	0.46%	0.137%
10	4.349	4.340	4.357	VV	722	6443	0.08%	0.025%
11	4.375	4.357	4.390	VV	2641	29721	0.39%	0.114%
12	4.404	4.390	4.449	VV	4233	48112	0.63%	0.185%
13	4.457	4.449	4.471	VV	434	2921	0.04%	0.011%
14	4.479	4.471	4.504	VV	542	5280	0.07%	0.020%
15	4.516	4.504	4.529	VV	399	4162	0.05%	0.016%
16	4.590	4.575	4.626	VV	648	9712	0.13%	0.037%
17	4.661	4.657	4.683	VV	177	1554	0.02%	0.006%
18	4.695	4.683	4.727	PV	455	7630	0.10%	0.029%
19	4.733	4.727	4.740	VV	370	1640	0.02%	0.006%
20	4.775	4.740	4.811	VV	6330	98845	1.29%	0.381%
21	4.831	4.811	4.858	VV	1487	19846	0.26%	0.076%
22	4.891	4.868	4.908	VV	424	5751	0.07%	0.022%
23	4.931	4.908	4.953	PV	410	5077	0.07%	0.020%
24	4.969	4.953	5.003	VV	507	9896	0.13%	0.038%
25	5.007	5.003	5.018	VV	262	1885	0.02%	0.007%

rteres

26	5.040	5.018	5.057	VV	977	17249	0.22%	0.066%
27	5.062	5.057	5.088	VV	951	14614	0.19%	0.056%
28	5.092	5.088	5.096	VV	616	2834	0.04%	0.011%
29	5.104	5.096	5.118	VV	625	6987	0.09%	0.027%
30	5.138	5.118	5.158	VV	635	11204	0.15%	0.043%
31	5.182	5.158	5.203	VV	2411	30423	0.40%	0.117%
32	5.217	5.203	5.258	VV	2360	29379	0.38%	0.113%
33	5.275	5.258	5.305	VV	816	10895	0.14%	0.042%
34	5.340	5.305	5.354	PV	737	11612	0.15%	0.045%
35	5.359	5.354	5.390	VV	380	5999	0.08%	0.023%
36	5.399	5.390	5.407	VV	188	1424	0.02%	0.005%
37	5.419	5.407	5.435	VV	354	4016	0.05%	0.015%
38	5.441	5.435	5.446	VV	303	1309	0.02%	0.005%
39	5.466	5.446	5.506	VV	835	14730	0.19%	0.057%
40	5.535	5.506	5.544	VV	447	6952	0.09%	0.027%
41	5.552	5.544	5.564	VV	377	3382	0.04%	0.013%
42	5.570	5.564	5.585	VV	260	3248	0.04%	0.013%
43	5.591	5.585	5.623	VV	367	5773	0.08%	0.022%
44	5.628	5.623	5.635	VV	281	1511	0.02%	0.006%
45	5.648	5.635	5.660	VV	389	4012	0.05%	0.015%
46	5.669	5.660	5.682	VV	520	5404	0.07%	0.021%
47	5.726	5.682	5.748	VV	993	25040	0.33%	0.096%
48	5.770	5.748	5.794	VV	1479	28193	0.37%	0.109%
49	5.813	5.794	5.851	VV	2369	44639	0.58%	0.172%
50	5.879	5.851	5.913	VV	1804	39284	0.51%	0.151%
51	5.922	5.913	5.940	VV	626	9239	0.12%	0.036%
52	5.941	5.940	5.993	VV	730	9613	0.13%	0.037%
53	6.002	5.993	6.013	PV	199	1427	0.02%	0.005%
54	6.028	6.013	6.052	VV	588	7248	0.09%	0.028%
55	6.061	6.052	6.087	VV	570	7539	0.10%	0.029%
56	6.105	6.087	6.123	VV	491	8031	0.10%	0.031%
57	6.152	6.123	6.197	VV	3951	52304	0.68%	0.201%
58	6.229	6.197	6.250	VV	1028	13573	0.18%	0.052%
59	6.266	6.250	6.277	VV	913	9769	0.13%	0.038%
60	6.296	6.277	6.320	VV	3201	40982	0.53%	0.158%
61	6.327	6.320	6.353	VV	754	9351	0.12%	0.036%
62	6.368	6.353	6.392	VV	1353	17721	0.23%	0.068%
63	6.402	6.392	6.422	VV	517	7051	0.09%	0.027%
64	6.425	6.422	6.431	VV	316	1172	0.02%	0.005%
65	6.456	6.443	6.466	VV	693	6159	0.08%	0.024%
66	6.470	6.466	6.495	VV	531	6112	0.08%	0.024%
67	6.506	6.495	6.516	VV	366	2603	0.03%	0.010%
68	6.527	6.516	6.537	VV	399	3481	0.05%	0.013%
69	6.541	6.537	6.563	VV	346	3372	0.04%	0.013%

rteres

70	6.584	6.563	6.609	VV	1182	16444	0.21%	0.063%
71	6.645	6.609	6.656	VV	1654	29481	0.38%	0.114%
72	6.664	6.656	6.677	VV	1493	17110	0.22%	0.066%
73	6.685	6.677	6.693	VV	1433	13415	0.17%	0.052%
74	6.704	6.693	6.728	VV	1849	24622	0.32%	0.095%
75	6.763	6.728	6.793	VV	2347	45129	0.59%	0.174%
76	6.806	6.793	6.822	VV	852	10034	0.13%	0.039%
77	6.843	6.822	6.893	VV	2036	39471	0.51%	0.152%
78	6.922	6.893	6.958	VV	3849	55707	0.73%	0.215%
79	6.966	6.958	6.970	VV	656	4303	0.06%	0.017%
80	6.996	6.970	7.016	VV	1385	26784	0.35%	0.103%
81	7.027	7.016	7.042	VV	983	12711	0.17%	0.049%
82	7.064	7.042	7.088	VV	5466	63316	0.83%	0.244%
83	7.101	7.088	7.110	VV	587	6624	0.09%	0.026%
84	7.121	7.110	7.138	VV	831	10075	0.13%	0.039%
85	7.152	7.138	7.170	VV	1044	12950	0.17%	0.050%
86	7.175	7.170	7.179	VV	297	1630	0.02%	0.006%
87	7.194	7.179	7.208	VV	582	7336	0.10%	0.028%
88	7.234	7.208	7.257	VV	1011	17086	0.22%	0.066%
89	7.270	7.257	7.290	VV	423	4931	0.06%	0.019%
90	7.322	7.290	7.335	VV	1740	22549	0.29%	0.087%
91	7.361	7.335	7.456	VV	769520	7674205	100.00%	29.552%
92	7.472	7.456	7.481	VV	2454	33723	0.44%	0.130%
93	7.485	7.481	7.507	VV	2259	27874	0.36%	0.107%
94	7.518	7.507	7.533	VV	1777	23483	0.31%	0.090%
95	7.543	7.533	7.566	VV	1320	20748	0.27%	0.080%
96	7.586	7.566	7.608	VV	1397	24190	0.32%	0.093%
97	7.628	7.608	7.667	VV	2244	40291	0.53%	0.155%
98	7.683	7.667	7.705	VV	1356	18652	0.24%	0.072%
99	7.718	7.705	7.733	VV	739	10741	0.14%	0.041%
100	7.749	7.733	7.777	VV	2543	32604	0.42%	0.126%
101	7.793	7.777	7.821	VV	876	16535	0.22%	0.064%
102	7.833	7.821	7.854	VV	934	14438	0.19%	0.056%
103	7.875	7.854	7.892	VV	852	15174	0.20%	0.058%
104	7.898	7.892	7.907	VV	827	6129	0.08%	0.024%
105	7.927	7.907	7.968	VV	8293	104960	1.37%	0.404%
106	7.974	7.968	8.000	VV	1190	10794	0.14%	0.042%
107	8.024	8.000	8.030	VV	1225	14199	0.19%	0.055%
108	8.048	8.030	8.053	VV	1518	18461	0.24%	0.071%
109	8.076	8.053	8.103	VV	1887	38354	0.50%	0.148%
110	8.120	8.103	8.139	VV	1172	15419	0.20%	0.059%
111	8.157	8.139	8.171	VV	948	11355	0.15%	0.044%
112	8.176	8.171	8.183	VV	393	2563	0.03%	0.010%

rteres

113	8.210	8.183	8.365	VV	410050	4934536	64.30%	19.002%
114	8.371	8.365	8.402	VV	2201	42561	0.55%	0.164%
115	8.412	8.402	8.441	VV	1869	38844	0.51%	0.150%
116	8.460	8.441	8.506	VV	3449	71508	0.93%	0.275%
117	8.520	8.506	8.560	VV	1265	27150	0.35%	0.105%
118	8.578	8.560	8.597	VV	837	14221	0.19%	0.055%
119	8.603	8.597	8.616	VV	705	7271	0.09%	0.028%
120	8.645	8.616	8.691	VV	46903	502251	6.54%	1.934%
121	8.701	8.691	8.713	VV	1236	15623	0.20%	0.060%
122	8.750	8.713	8.787	VV	4383	97532	1.27%	0.376%
123	8.813	8.787	8.818	VV	1432	20664	0.27%	0.080%
124	8.825	8.818	8.862	VV	1419	21498	0.28%	0.083%
125	8.877	8.862	8.893	VV	677	8797	0.11%	0.034%
126	8.897	8.893	8.901	VV	401	1345	0.02%	0.005%
127	8.936	8.901	8.970	VV	1227	28009	0.36%	0.108%
128	8.981	8.970	9.003	VV	859	10058	0.13%	0.039%
129	9.024	9.003	9.037	VV	607	9341	0.12%	0.036%
130	9.045	9.037	9.080	VV	716	10422	0.14%	0.040%
131	9.104	9.080	9.153	VV	1312	24315	0.32%	0.094%
132	9.159	9.153	9.166	VV	378	2309	0.03%	0.009%
133	9.176	9.166	9.192	VV	557	6716	0.09%	0.026%
134	9.204	9.192	9.227	VV	792	10806	0.14%	0.042%
135	9.242	9.227	9.262	VV	860	10334	0.13%	0.040%
136	9.279	9.262	9.310	PV	536	9543	0.12%	0.037%
137	9.353	9.310	9.362	VV	733	11765	0.15%	0.045%
138	9.384	9.362	9.476	VV	22945	466753	6.08%	1.797%
139	9.481	9.476	9.500	VV	1498	17991	0.23%	0.069%
140	9.518	9.500	9.547	VV	2293	39570	0.52%	0.152%
141	9.549	9.547	9.554	VV	621	2722	0.04%	0.010%
142	9.563	9.554	9.572	VV	787	6988	0.09%	0.027%
143	9.587	9.572	9.592	VV	817	8237	0.11%	0.032%
144	9.596	9.592	9.639	VV	770	14834	0.19%	0.057%
145	9.658	9.639	9.676	VV	507	7871	0.10%	0.030%
146	9.688	9.676	9.701	VV	566	6237	0.08%	0.024%
147	9.724	9.701	9.742	VV	401	6874	0.09%	0.026%
148	9.765	9.742	9.770	VV	337	4781	0.06%	0.018%
149	9.774	9.770	9.809	VV	356	6735	0.09%	0.026%
150	9.814	9.809	9.817	VV	416	1913	0.02%	0.007%
151	9.832	9.817	9.851	VV	657	8976	0.12%	0.035%
152	9.910	9.851	9.929	VV	727	20956	0.27%	0.081%
153	9.944	9.929	9.958	VV	672	9034	0.12%	0.035%
154	9.971	9.958	9.987	VV	643	8348	0.11%	0.032%
155	9.991	9.987	10.002	VV	503	4000	0.05%	0.015%

rteres

156	10.020	10.002	10.048	VV	1230	16550	0.22%	0.064%
157	10.055	10.048	10.070	VV	278	2962	0.04%	0.011%
158	10.091	10.070	10.104	VV	746	10663	0.14%	0.041%
159	10.117	10.104	10.127	VV	657	7481	0.10%	0.029%
160	10.147	10.127	10.166	VV	801	14029	0.18%	0.054%
161	10.190	10.166	10.209	VV	854	16267	0.21%	0.063%
162	10.237	10.209	10.287	VV	1544	39362	0.51%	0.152%
163	10.297	10.287	10.303	VV	542	3768	0.05%	0.015%
164	10.305	10.303	10.317	VV	507	3412	0.04%	0.013%
165	10.331	10.317	10.348	VV	740	9157	0.12%	0.035%
166	10.370	10.348	10.421	VV	1322	24898	0.32%	0.096%
167	10.427	10.421	10.455	VV	468	4483	0.06%	0.017%
168	10.465	10.455	10.479	VV	290	3146	0.04%	0.012%
169	10.485	10.479	10.491	VV	341	2004	0.03%	0.008%
170	10.495	10.491	10.499	VV	324	1260	0.02%	0.005%
171	10.516	10.499	10.527	VV	574	6783	0.09%	0.026%
172	10.535	10.527	10.550	VV	552	6291	0.08%	0.024%
173	10.554	10.550	10.580	VV	492	6508	0.08%	0.025%
174	10.588	10.580	10.598	VV	373	3334	0.04%	0.013%
175	10.640	10.598	10.656	VV	973	20566	0.27%	0.079%
176	10.670	10.656	10.690	VV	848	9914	0.13%	0.038%
177	10.702	10.690	10.747	VV	540	7066	0.09%	0.027%
178	10.753	10.747	10.777	VV	282	3184	0.04%	0.012%
179	10.788	10.777	10.840	VV	570	8662	0.11%	0.033%
180	10.883	10.862	10.917	VV	1040	18514	0.24%	0.071%
181	10.950	10.917	10.987	VV	1425	23873	0.31%	0.092%
182	10.996	10.987	11.002	VV	304	1904	0.02%	0.007%
183	11.033	11.002	11.061	VV	694	14139	0.18%	0.054%
184	11.078	11.061	11.084	VV	272	2456	0.03%	0.009%
185	11.106	11.084	11.122	VV	262	2538	0.03%	0.010%
186	11.162	11.135	11.172	VV	334	4888	0.06%	0.019%
187	11.176	11.172	11.183	VV	295	1449	0.02%	0.006%
188	11.188	11.183	11.202	VV	238	1266	0.02%	0.005%
189	11.245	11.202	11.315	VV	484126	5199003	67.75%	20.020%
190	11.326	11.315	11.345	VV	1019	16731	0.22%	0.064%
191	11.357	11.345	11.393	VV	1077	23489	0.31%	0.090%
192	11.416	11.393	11.442	VV	1160	20649	0.27%	0.080%
193	11.449	11.442	11.463	VV	325	3694	0.05%	0.014%
194	11.474	11.463	11.484	VV	451	4218	0.05%	0.016%
195	11.515	11.484	11.522	VV	531	8581	0.11%	0.033%
196	11.524	11.522	11.531	VV	457	2063	0.03%	0.008%
197	11.546	11.531	11.557	VV	511	6139	0.08%	0.024%
198	11.575	11.557	11.587	VV	685	9450	0.12%	0.036%
199	11.608	11.587	11.633	VV	933	18438	0.24%	0.071%

rteres

200	11.671	11.633	11.723	VV	6146	97454	1.27%	0.375%
201	11.746	11.723	11.761	VV	869	14695	0.19%	0.057%
202	11.766	11.761	11.783	VV	756	7176	0.09%	0.028%
203	11.821	11.783	11.847	VV	1108	27970	0.36%	0.108%
204	11.871	11.847	11.938	VV	10164	189329	2.47%	0.729%
205	11.944	11.938	11.975	VV	1230	21338	0.28%	0.082%
206	11.977	11.975	12.002	VV	768	10978	0.14%	0.042%
207	12.005	12.002	12.009	VV	736	2724	0.04%	0.010%
208	12.013	12.009	12.048	VV	675	12474	0.16%	0.048%
209	12.059	12.048	12.065	VV	585	5089	0.07%	0.020%
210	12.091	12.065	12.094	VV	840	11505	0.15%	0.044%
211	12.114	12.094	12.138	VV	3149	41619	0.54%	0.160%
212	12.159	12.138	12.169	VV	462	6593	0.09%	0.025%
213	12.187	12.169	12.217	VV	1006	15172	0.20%	0.058%
214	12.221	12.217	12.227	VV	301	1160	0.02%	0.004%
215	12.250	12.227	12.275	VV	1794	22613	0.29%	0.087%
216	12.314	12.275	12.357	VV	2718	47964	0.63%	0.185%
217	12.380	12.357	12.401	VV	732	10883	0.14%	0.042%
218	12.412	12.401	12.418	VV	251	1603	0.02%	0.006%
219	12.439	12.428	12.475	VV	192	3893	0.05%	0.015%
220	12.507	12.475	12.518	VV	304	4557	0.06%	0.018%
221	12.526	12.518	12.532	VV	303	1953	0.03%	0.008%
222	12.538	12.532	12.545	VV	384	1622	0.02%	0.006%
223	12.569	12.551	12.588	VV	278	2995	0.04%	0.012%
224	12.602	12.588	12.610	PV	355	3215	0.04%	0.012%
225	12.614	12.610	12.628	VV	285	2621	0.03%	0.010%
226	12.687	12.628	12.751	VV	124336	1503785	19.60%	5.791%
227	12.758	12.751	12.798	VV	1362	24049	0.31%	0.093%
228	12.802	12.798	12.813	VV	507	3920	0.05%	0.015%
229	12.818	12.813	12.823	VV	440	2351	0.03%	0.009%
230	12.831	12.823	12.839	VV	450	3480	0.05%	0.013%
231	12.859	12.839	12.870	VV	684	9911	0.13%	0.038%
232	12.877	12.870	12.897	VV	733	9734	0.13%	0.037%
233	12.918	12.897	12.951	VV	3327	50589	0.66%	0.195%
234	12.958	12.951	12.995	VV	626	11648	0.15%	0.045%
235	12.999	12.995	13.019	VV	480	6000	0.08%	0.023%
236	13.029	13.019	13.034	VV	656	4088	0.05%	0.016%
237	13.045	13.034	13.058	VV	593	7236	0.09%	0.028%
238	13.067	13.058	13.072	VV	496	3297	0.04%	0.013%
239	13.075	13.072	13.080	VV	445	1541	0.02%	0.006%
240	13.102	13.080	13.152	VV	2389	54869	0.71%	0.211%
241	13.155	13.152	13.175	VV	633	7700	0.10%	0.030%
242	13.181	13.175	13.220	VV	555	11949	0.16%	0.046%

rteres

243	13.230	13.220	13.242	VV	457	5025	0.07%	0.019%
244	13.271	13.242	13.297	VV	1287	26255	0.34%	0.101%
245	13.312	13.297	13.333	VV	872	13074	0.17%	0.050%
246	13.349	13.333	13.366	VV	429	6288	0.08%	0.024%
247	13.392	13.366	13.423	VV	1332	25874	0.34%	0.100%
248	13.441	13.423	13.477	VV	1586	22733	0.30%	0.088%
249	13.480	13.477	13.488	VV	298	1266	0.02%	0.005%
250	13.494	13.488	13.532	PV	150	2442	0.03%	0.009%
251	13.558	13.532	13.573	VV	360	4387	0.06%	0.017%
252	13.600	13.587	13.611	VV	303	2268	0.03%	0.009%
253	13.617	13.611	13.627	VV	300	1769	0.02%	0.007%
254	13.660	13.627	13.682	VV	546	11674	0.15%	0.045%
255	13.695	13.682	13.722	VV	833	11298	0.15%	0.044%
256	13.727	13.722	13.731	VV	284	1200	0.02%	0.005%
257	13.735	13.731	13.744	VV	333	1938	0.03%	0.007%
258	13.749	13.744	13.760	VV	294	1845	0.02%	0.007%
259	13.765	13.760	13.785	VV	303	2976	0.04%	0.011%
260	13.802	13.785	13.814	VV	437	5364	0.07%	0.021%
261	13.819	13.814	13.823	VV	275	1220	0.02%	0.005%
262	13.835	13.823	13.842	VV	614	4305	0.06%	0.017%
263	13.847	13.842	13.850	VV	450	1833	0.02%	0.007%
264	13.858	13.850	13.864	VV	476	3467	0.05%	0.013%
265	13.886	13.864	13.927	VV	1331	24314	0.32%	0.094%
266	13.964	13.927	13.980	VV	443	9420	0.12%	0.036%
267	14.002	13.980	14.031	VV	659	11019	0.14%	0.042%
268	14.042	14.031	14.064	VV	303	3991	0.05%	0.015%
269	14.111	14.064	14.123	VV	537	10908	0.14%	0.042%
270	14.166	14.123	14.230	VV	1411	42245	0.55%	0.163%
271	14.303	14.230	14.330	VV	348	16578	0.22%	0.064%
272	14.346	14.330	14.367	VV	404	6425	0.08%	0.025%
273	14.384	14.367	14.443	VV	836	19504	0.25%	0.075%
274	14.502	14.443	14.522	VV	1357	31813	0.41%	0.123%
275	14.538	14.522	14.569	VV	1876	36649	0.48%	0.141%
276	14.588	14.569	14.618	VV	1911	31021	0.40%	0.119%
277	14.651	14.618	14.687	VV	1069	16933	0.22%	0.065%
278	14.708	14.687	14.772	VV	550	19749	0.26%	0.076%
279	14.788	14.772	14.828	VV	457	9945	0.13%	0.038%
280	14.836	14.828	14.860	VV	372	4805	0.06%	0.019%
281	14.873	14.860	14.882	PV	250	2435	0.03%	0.009%
282	14.915	14.882	15.040	VV	8360	210753	2.75%	0.812%
283	15.070	15.040	15.150	VV	2973	65489	0.85%	0.252%
284	15.183	15.150	15.210	VV	518	13372	0.17%	0.051%
285	15.226	15.210	15.236	VV	381	5213	0.07%	0.020%

rteres

286	15.250	15.236	15.277	VV	592	10129	0.13%	0.039%
287	15.357	15.277	15.397	VV	902	34058	0.44%	0.131%
288	15.405	15.397	15.417	VV	629	4750	0.06%	0.018%
289	15.444	15.417	15.489	VV	759	22118	0.29%	0.085%
290	15.518	15.489	15.535	VV	1052	19091	0.25%	0.074%
291	15.554	15.535	15.582	VV	1481	23099	0.30%	0.089%
292	15.590	15.582	15.608	VV	502	5768	0.08%	0.022%
293	15.621	15.608	15.664	VV	605	11585	0.15%	0.045%
294	15.706	15.664	15.732	VV	744	18543	0.24%	0.071%
295	15.755	15.732	15.782	VV	732	15411	0.20%	0.059%
296	15.795	15.782	15.807	VV	336	2916	0.04%	0.011%
297	15.818	15.807	15.845	VV	257	3913	0.05%	0.015%
298	15.864	15.845	15.885	VV	272	3365	0.04%	0.013%
299	15.927	15.885	15.959	VV	1116	23539	0.31%	0.091%
300	15.966	15.959	15.985	VV	434	5529	0.07%	0.021%
301	15.994	15.985	16.010	VV	342	4576	0.06%	0.018%
302	16.034	16.010	16.056	VV	1204	16964	0.22%	0.065%
303	16.113	16.056	16.160	VV	1107	36191	0.47%	0.139%
304	16.182	16.160	16.204	VV	614	12518	0.16%	0.048%
305	16.239	16.204	16.264	VV	667	17978	0.23%	0.069%
306	16.277	16.264	16.301	VV	433	8476	0.11%	0.033%
307	16.312	16.301	16.341	VV	441	7973	0.10%	0.031%
308	16.407	16.341	16.434	VV	1224	33539	0.44%	0.129%
309	16.467	16.434	16.482	VV	1643	30214	0.39%	0.116%
310	16.497	16.482	16.520	VV	2136	34618	0.45%	0.133%
311	16.540	16.520	16.567	VV	2912	42112	0.55%	0.162%
312	16.577	16.567	16.604	VV	681	11571	0.15%	0.045%
313	16.614	16.604	16.652	VV	468	8310	0.11%	0.032%
314	16.660	16.652	16.692	VV	373	6590	0.09%	0.025%
315	16.712	16.692	16.748	VV	442	8390	0.11%	0.032%
316	16.803	16.748	16.840	PV	1353	31050	0.40%	0.120%
317	16.872	16.840	16.900	VV	1045	25334	0.33%	0.098%
318	16.945	16.900	17.002	VV	2543	54548	0.71%	0.210%
319	17.011	17.002	17.020	VV	338	2217	0.03%	0.009%
320	17.058	17.020	17.092	VV	1094	24308	0.32%	0.094%
321	17.147	17.092	17.217	VV	846	30243	0.39%	0.116%
322	17.246	17.217	17.270	PV	494	9861	0.13%	0.038%
323	17.280	17.270	17.297	VV	304	4916	0.06%	0.019%
324	17.380	17.297	17.410	VV	3240	67829	0.88%	0.261%
325	17.418	17.410	17.435	VV	489	6174	0.08%	0.024%
326	17.470	17.435	17.505	VV	4289	74035	0.96%	0.285%
327	17.525	17.505	17.551	VV	820	17695	0.23%	0.068%
328	17.579	17.551	17.626	VV	644	16439	0.21%	0.063%
329	17.672	17.626	17.701	PV	1645	31684	0.41%	0.122%

rteres

330	17.737	17.701	17.772	VV	4472	89593	1.17%	0.345%
331	17.801	17.772	17.877	VV	3941	90359	1.18%	0.348%
332	17.898	17.877	17.978	VV	764	20125	0.26%	0.077%
333	18.009	17.978	18.035	PV	274	4810	0.06%	0.019%
334	18.076	18.035	18.117	PV	900	17965	0.23%	0.069%
335	18.207	18.117	18.228	VV	3135	67014	0.87%	0.258%
336	18.247	18.228	18.283	VV	1432	24065	0.31%	0.093%

Sum of corrected areas: 25968784

Aromatic EPH 121024.M Sat Dec 21 05:21:24 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068060.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 10:34
Operator : YP/AJ
Sample : PB165775BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165775BL

Integration File: autoint1.e
Quant Time: Dec 21 01:50:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.870	5367336	42.066 ug/ml
Spiked Amount 50.000		Recovery = 84.13%	
Target Compounds			

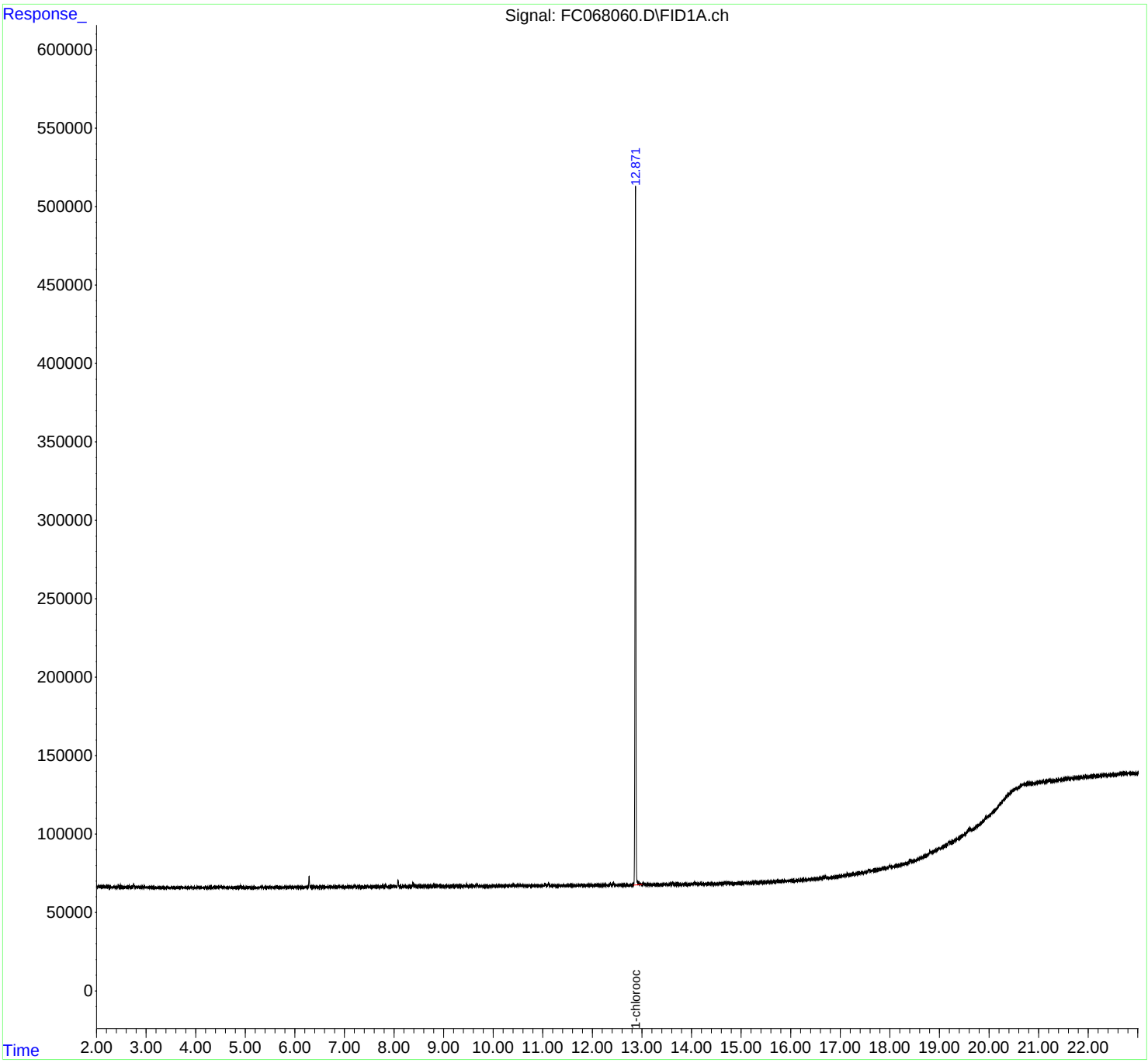
(f)=RT Delta > 1/2 Window (m)=manual int.

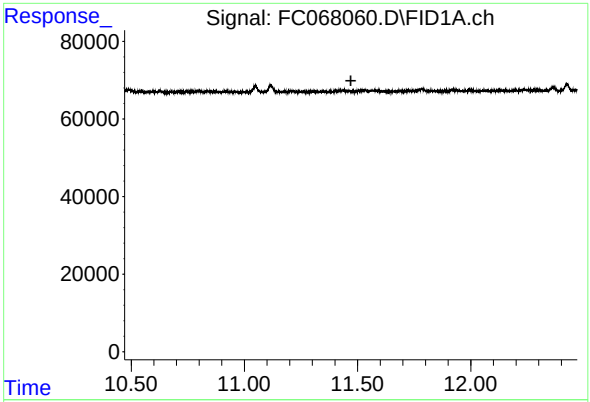
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068060.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 10:34
Operator : YP/AJ
Sample : PB165775BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165775BL

Integration File: autoint1.e
Quant Time: Dec 21 01:50:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

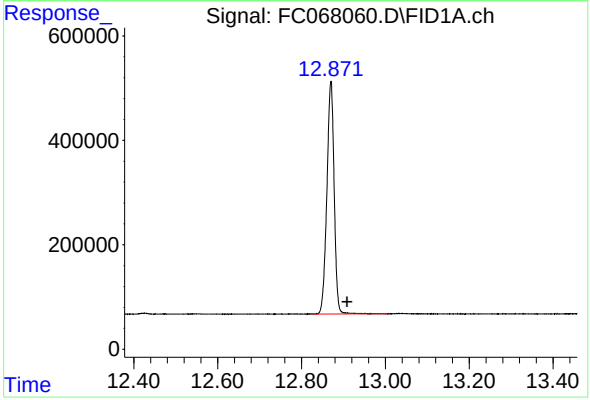




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.470 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB165775BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.870 min
Delta R.T.: -0.039 min
Response: 5367336
Conc: 42.07 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068060.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 10:34
Sample : PB165775BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	12.870	12.828	13.008	BV	448331	5367336	100.00%	100.000%
			Sum of corrected areas:			5367336		

Aliphatic EPH 121024.M Sat Dec 21 02:26:20 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048898.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 10:34
Operator : YP/AJ
Sample : PB165775BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165775BL

Integration File: autoint1.e
Quant Time: Dec 21 04:02:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
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...	7.358	8936524	53.056 ug/ml
Spiked Amount 50.000		Recovery = 106.11%	
6) S 2-Flurobiphenyl (SURR)	8.207	5726704	55.433 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 110.87%	
11) S ortho-Terphenyl (SURR)	11.245	8452422	47.576 ug/ml
Spiked Amount 50.000		Recovery = 95.15%	
Target Compounds			

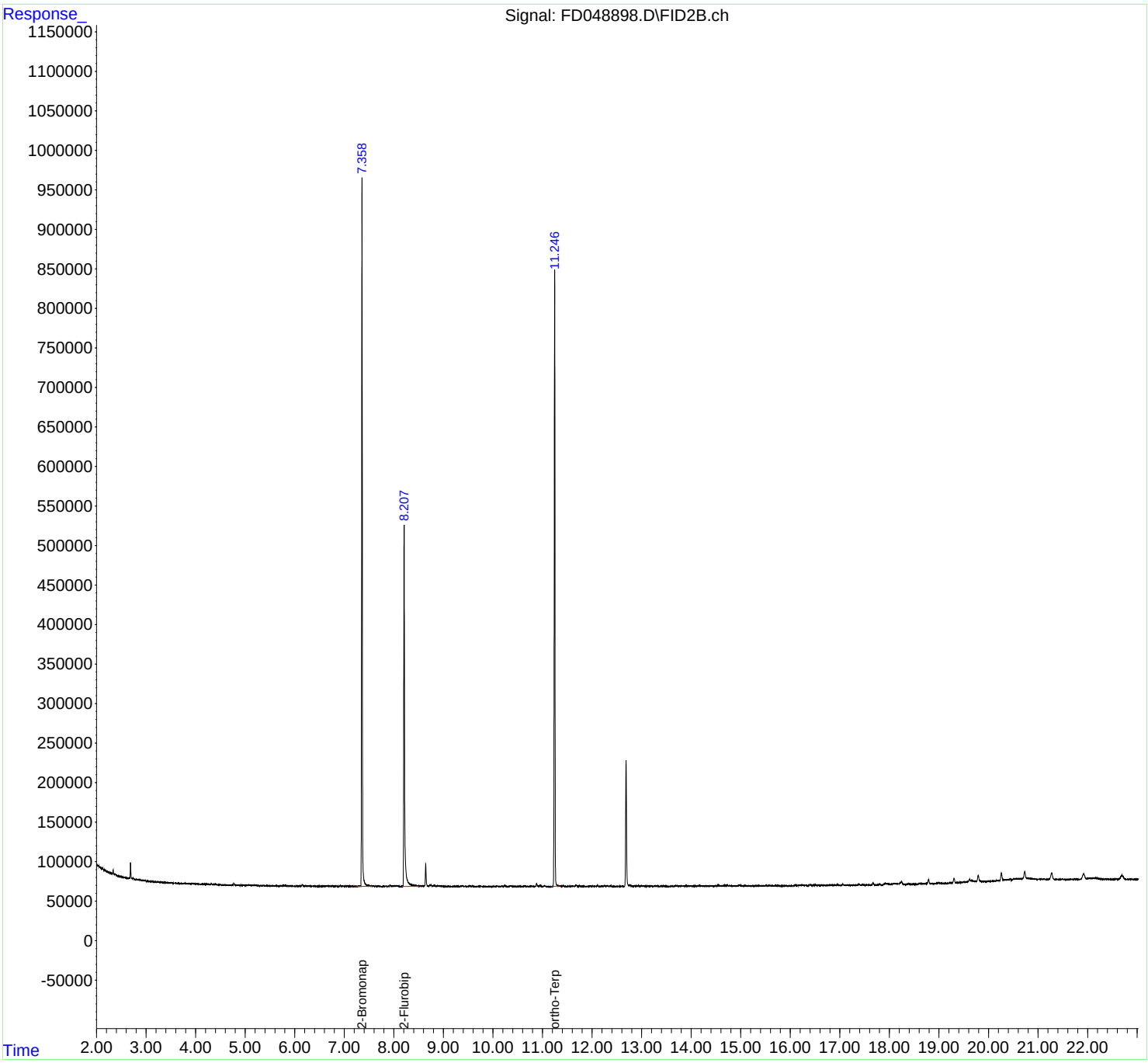
(f)=RT Delta > 1/2 Window (m)=manual int.

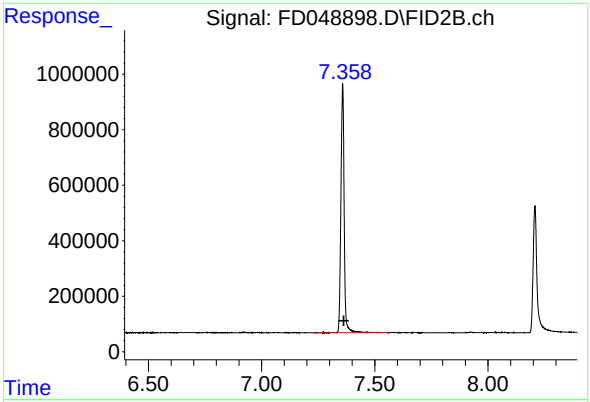
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048898.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 10:34
Operator : YP/AJ
Sample : PB165775BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165775BL

Integration File: autoint1.e
Quant Time: Dec 21 04:02:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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

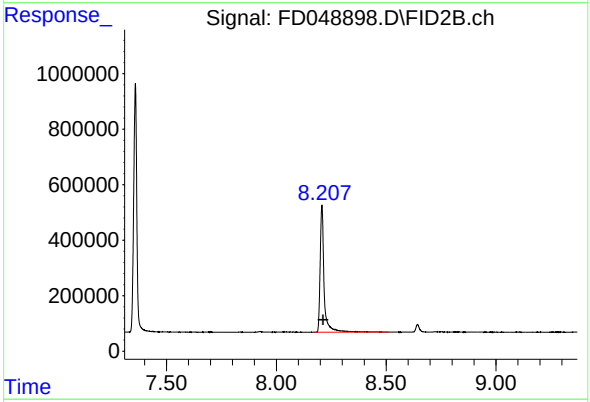




#4 2-Bromonaphthalene (SURR)

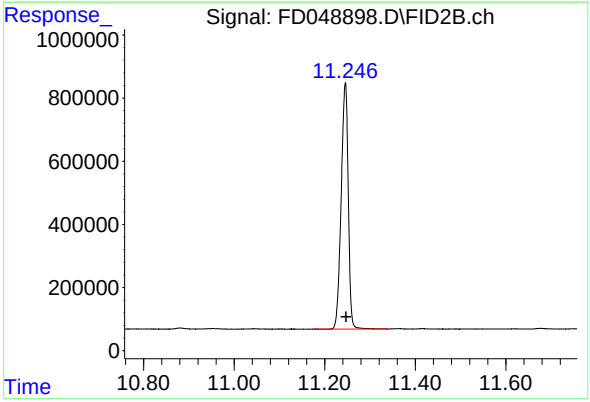
R.T.: 7.358 min
Delta R.T.: -0.005 min
Response: 8936524
Conc: 53.06 ug/ml

Instrument :
FID_D
ClientSampleId :
PB165775BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.207 min
Delta R.T.: -0.006 min
Response: 5726704
Conc: 55.43 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.245 min
Delta R.T.: -0.002 min
Response: 8452422
Conc: 47.58 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048898.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 10:34
Sample : PB165775BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.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	7.358	7.228	7.561	BV	893339	8936524	100.00%	38.660%
2	8.207	8.168	8.511	PV	458446	5726704	64.08%	24.774%
3	11.245	11.175	11.341	BV	775222	8452422	94.58%	36.566%
			Sum of corrected areas:			23115650		

Aromatic EPH 121024.M Sat Dec 21 04:58:47 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068061.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 11:10
Operator : YP/AJ
Sample : PB165775BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165775BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
Quant Time: Dec 21 01:50:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.870	6377412	49.982 ug/ml
Spiked Amount	50.000		Recovery =	99.96%
	Target Compounds			
1) T	n-Nonane (C9)	3.217	3263109	21.003 ug/ml
2) T	n-Decane (C10)	4.276	4320689	27.255 ug/mlm
4) T	n-Dodecane (C12)	6.290	5476287	34.011 ug/ml
6) T	n-Tetradecane (C14)	8.083	6225826	39.157 ug/ml
7) T	n-Hexadecane (C16)	9.680	6591328	40.800 ug/ml
8) T	n-Octadecane (C18)	11.120	6815635	42.454 ug/ml
10) T	n-Eicosane (C20)	12.428	7020867	46.672 ug/ml
11) T	n-Heneicosane (C21)	13.039	6723348	46.014 ug/ml
13) T	n-Docosane (C22)	13.624	6644880	46.420 ug/ml
14) T	n-Tetracosane (C24)	14.726	6433915	46.304 ug/ml
15) T	n-Hexacosane (C26)	15.745	6244097	46.691 ug/ml
16) T	n-Octacosane (C28)	16.693	6091916	46.965 ug/ml
17) T	n-Tricontane (C30)	17.581	6090176	47.013 ug/ml
18) T	n-Dotriacontane (C32)	18.411	5983539	48.299 ug/ml
19) T	n-Tetratriacontane (C34)	19.194	5964683	54.648 ug/ml
20) T	n-Hexatriacontane (C36)	19.932	5799620	61.301 ug/ml
21) T	n-Octatriacontane (C38)	20.649	5884573	65.050 ug/ml
22) T	n-Tetracontane (C40)	21.513	5922402	67.194 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

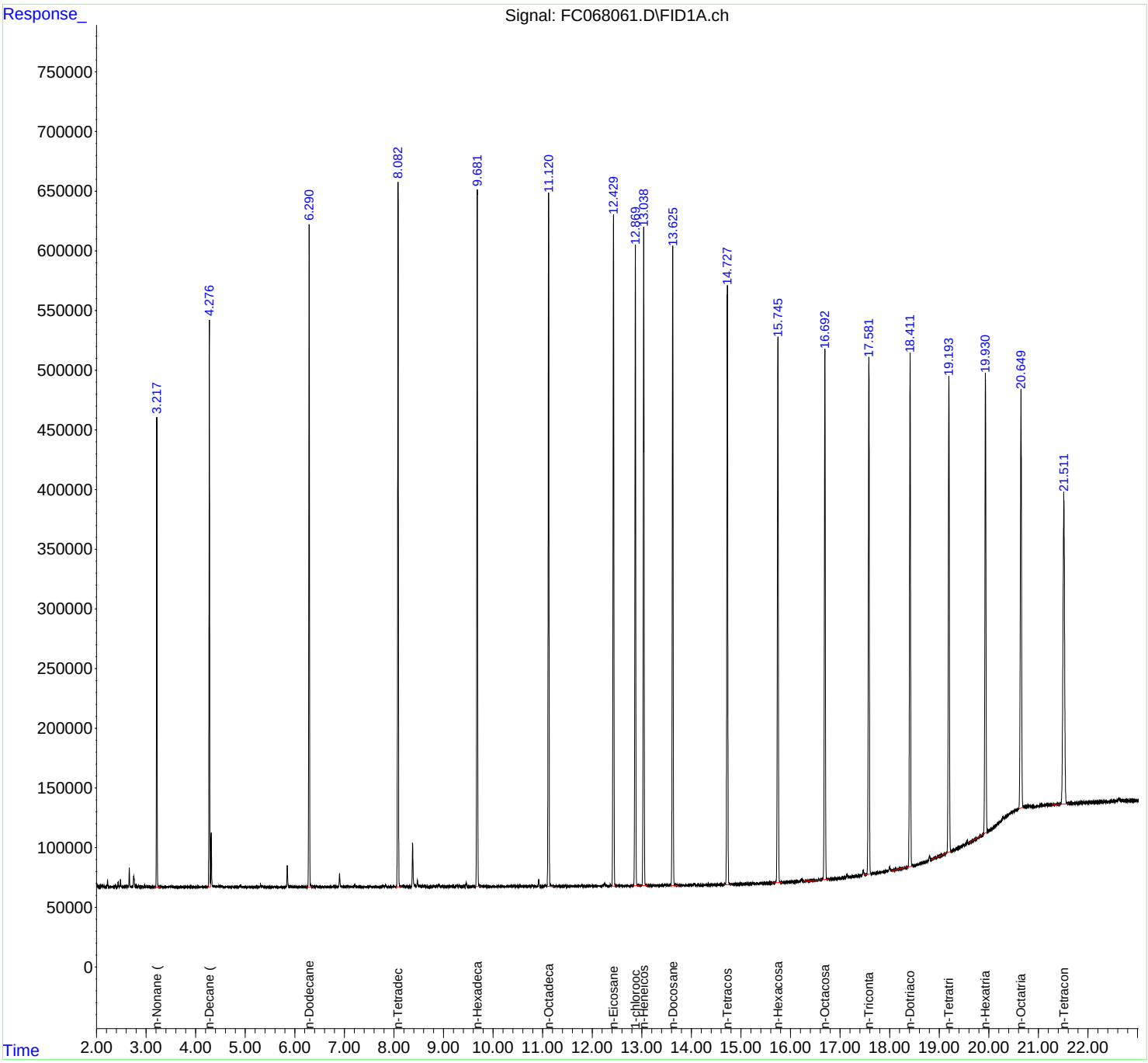
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068061.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 11:10
Operator : YP/AJ
Sample : PB165775BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 21 01:50:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_C
ClientSampleId :
PB165775BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024



Instrument :
FID_C
ClientSampleId :
PB165775BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC12202
Data File : FC068061.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 11:10
Sample : PB165775BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.217	3.181	3.284	BB	393459	3263109	46.48%	2.866%
2	4.276	4.164	4.299	BV	477553	4315019	61.46%	3.789%
3	6.290	6.248	6.358	BV	553941	5476287	78.00%	4.809%
4	8.083	8.044	8.158	BV	582561	6225826	88.68%	5.468%
5	9.680	9.644	9.761	PB	589570	6591328	93.88%	5.789%
6	11.120	11.079	11.234	PB	581320	6815635	97.08%	5.986%
7	12.428	12.387	12.498	PB	561438	7020867	100.00%	6.166%
8	12.870	12.808	12.948	BB	534871	6377412	90.84%	5.601%
9	13.039	12.994	13.114	BB	545696	6723348	95.76%	5.904%
10	13.624	13.588	13.724	VB	538866	6644880	94.64%	5.836%
11	14.726	14.644	14.814	BB	499834	6433915	91.64%	5.650%
12	15.745	15.624	15.824	BB	447204	6244097	88.94%	5.484%
13	16.693	16.256	16.754	PB	437353	6091916	86.77%	5.350%
14	17.581	17.494	17.621	PV	433434	6090176	86.74%	5.348%
15	18.411	18.038	18.464	PV	430082	5983539	85.23%	5.255%
16	19.194	18.831	19.234	PV	400345	5964683	84.96%	5.238%
17	19.932	19.588	19.972	PV	383647	5799620	82.61%	5.093%
18	20.649	20.601	20.698	BV	344391	5884573	83.82%	5.168%
19	21.513	21.271	21.604	BB	254486	5922402	84.35%	5.201%
			Sum of corrected areas:			113868630		

Aliphatic EPH 121024.M Sat Dec 21 02:28:12 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048899.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 11:10
Operator : YP/AJ
Sample : PB165775BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165775BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
Quant Time: Dec 21 04:03:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
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...	7.361	8441270	50.116 ug/ml
Spiked Amount	50.000		Recovery =	100.23%
6) S	2-Flurobiphenyl (SURR)	8.211	5057775	48.958 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	97.92%
11) S	ortho-Terphenyl (SURR)	11.247	7987359	44.958 ug/ml
Spiked Amount	50.000		Recovery =	89.92%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.184	5796574	30.615 ug/ml
2) T	Naphthalene (C11.7)	5.701	7358939	38.512 ug/ml
3) T	2-Methylnaphthalene (...	6.747	7362678	39.846 ug/ml
5) T	Acenaphthylene (C15.06)	8.013	8037048	43.063 ug/ml
7) T	Acenaphthene (C15.5)	8.309	8773621	47.110 ug/ml
8) T	Flouorene (C16.55)	9.088	8877905	49.684 ug/ml
9) T	Phenanthrene (C19.36)	10.475	8702708	52.104 ug/ml
10) T	Anthracene (C19.43)	10.551	8869696	52.260 ug/ml
12) T	Fluoranthene (C21.85)	12.281	8660485	52.909 ug/mlm
13) T	Pyrene (C20.8)	12.574	9122601	56.090 ug/ml
14) T	Benzo[a]anthracene (C...	14.444	7786261	58.938 ug/ml
15) T	Chrysene (C27.41)	14.487	7970670	49.372 ug/ml
16) T	benzo[b]fluoranthene ...	15.993	7844868	58.271 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.027	7920356	51.998 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.368	7875529	56.941 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.737	7465507	70.053 ug/ml
20) T	Dibenz[a,h]anthracene...	17.773	7743038	53.390 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.990	7312960	52.158 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

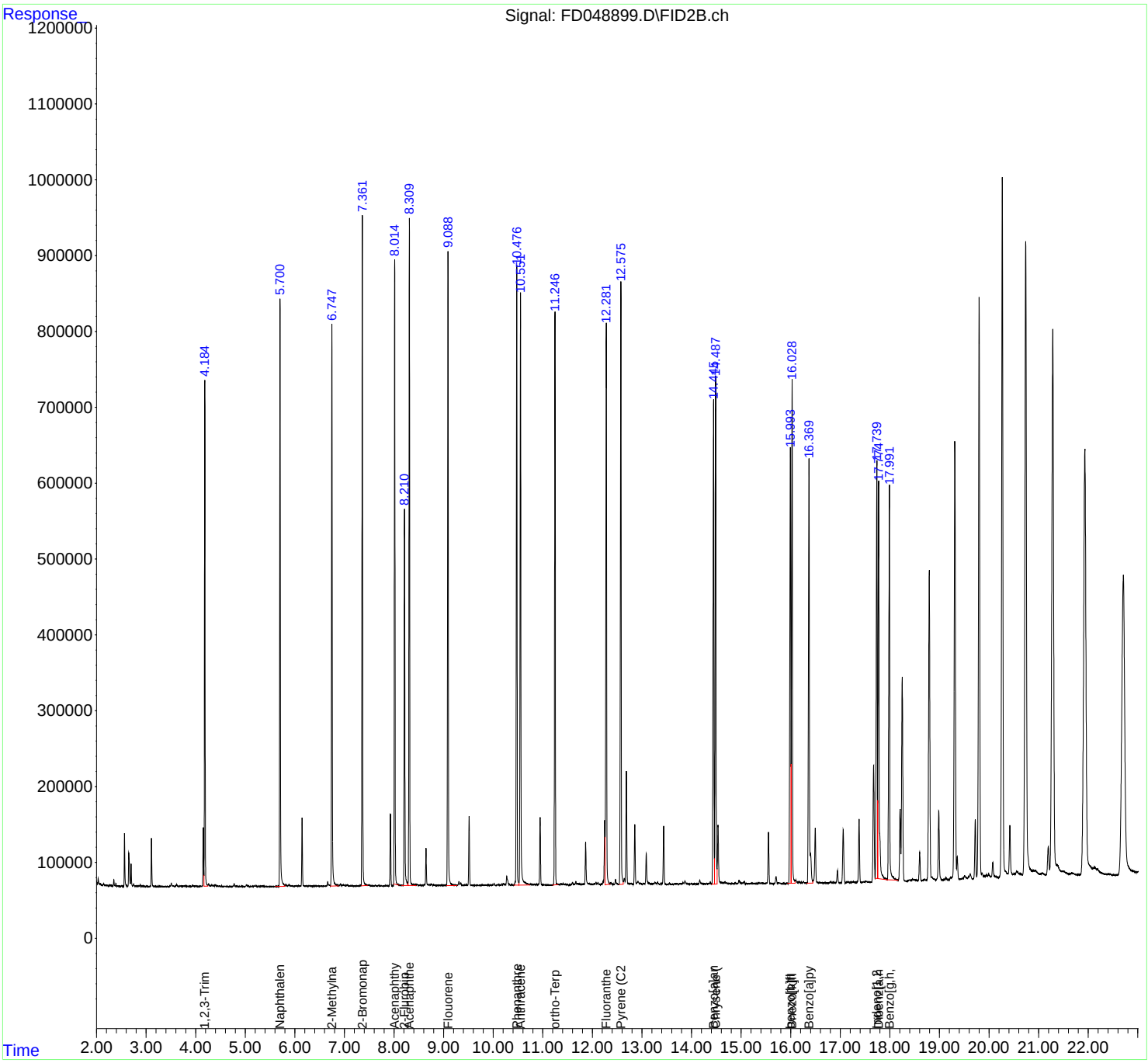
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048899.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 11:10
Operator : YP/AJ
Sample : PB165775BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165775BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
Quant Time: Dec 21 04:03:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
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 :
PB165775BS

rteres

Area Percent

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Da
Data File : FD048899.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 11:10
Sample : PB165775BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.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	4.184	4.168	4.244	VV	669344	5796574	60.43%	3.494%
2	5.701	5.608	5.798	BV	773544	7358939	76.72%	4.436%
3	6.747	6.718	6.883	VV	741865	7362678	76.76%	4.438%
4	7.361	7.334	7.471	PV	883437	8441270	88.01%	5.088%
5	8.013	7.991	8.101	BV	828098	8037048	83.79%	4.845%
6	8.211	8.148	8.281	BV	496428	5057775	52.73%	3.049%
7	8.309	8.281	8.444	VV	869340	8773621	91.47%	5.289%
8	9.088	9.054	9.268	PV	829994	8877905	92.56%	5.351%
9	10.475	10.411	10.519	BV	807046	8702708	90.73%	5.246%
10	10.551	10.519	10.733	VV	777058	8869696	92.47%	5.346%
11	11.247	11.196	11.311	PV	757963	7987359	83.27%	4.815%
12	12.280	12.223	12.356	VV	747930	9591672	100.00%	5.782%
13	12.574	12.538	12.623	PV	783149	9122601	95.11%	5.499%
14	14.444	14.406	14.462	VV	638299	7786261	81.18%	4.693%
15	14.487	14.462	14.514	VV	674903	7970670	83.10%	4.805%
16	15.993	15.931	16.008	BV	574410	7844868	81.79%	4.729%
17	16.027	16.008	16.088	VV	664731	7920356	82.58%	4.774%
18	16.368	16.321	16.446	VV	556676	7875529	82.11%	4.747%
19	17.737	17.701	17.752	BV	548514	7465507	77.83%	4.500%
20	17.773	17.752	17.946	VV	526185	7743038	80.73%	4.667%
21	17.990	17.946	18.168	PV	525190	7312960	76.24%	4.408%

Sum of corrected areas: 165899036

Aromatic EPH 121024.M Sat Dec 21 05:07:04 2024

Page 1

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068062.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 11:46
Operator : YP/AJ
Sample : PB165775BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165775BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
Quant Time: Dec 21 01:51:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.870	6982791	54.727 ug/ml
Spiked Amount	50.000		Recovery =	109.45%
	Target Compounds			
1) T	n-Nonane (C9)	3.217	3207919	20.647 ug/ml
2) T	n-Decane (C10)	4.277	4240784	26.751 ug/mlm
4) T	n-Dodecane (C12)	6.290	5415981	33.637 ug/ml
6) T	n-Tetradecane (C14)	8.082	6158582	38.734 ug/ml
7) T	n-Hexadecane (C16)	9.680	6549523	40.541 ug/ml
8) T	n-Octadecane (C18)	11.120	6768347	42.159 ug/ml
10) T	n-Eicosane (C20)	12.428	6983821	46.426 ug/ml
11) T	n-Heneicosane (C21)	13.039	6700222	45.855 ug/ml
13) T	n-Docosane (C22)	13.624	6618144	46.234 ug/ml
14) T	n-Tetracosane (C24)	14.725	6418378	46.193 ug/ml
15) T	n-Hexacosane (C26)	15.745	6238703	46.651 ug/ml
16) T	n-Octacosane (C28)	16.694	6065280	46.760 ug/ml
17) T	n-Tricontane (C30)	17.581	6063740	46.809 ug/ml
18) T	n-Dotriacontane (C32)	18.412	5968914	48.181 ug/ml
19) T	n-Tetratriacontane (C34)	19.195	5939577	54.418 ug/ml
20) T	n-Hexatriacontane (C36)	19.934	5812965	61.442 ug/ml
21) T	n-Octatriacontane (C38)	20.650	5863802	64.820 ug/ml
22) T	n-Tetracontane (C40)	21.514	5946771	67.470 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

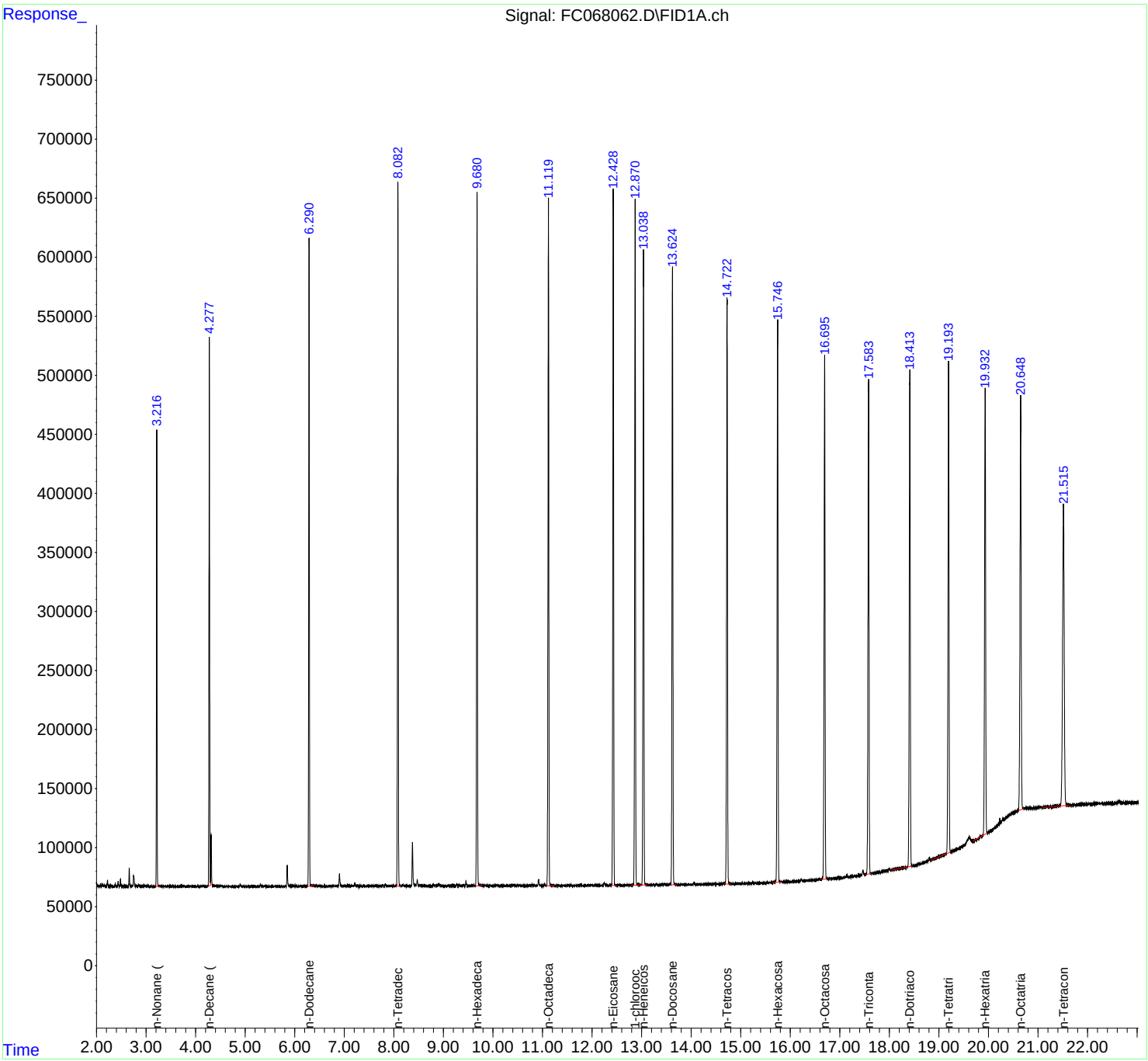
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068062.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 11:46
Operator : YP/AJ
Sample : PB165775BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165775BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
Quant Time: Dec 21 01:51:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_C
ClientSampleId :
PB165775BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC12202
Data File : FC068062.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 11:46
Sample : PB165775BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.217	3.185	3.288	BB	384354	3207919	45.93%	2.815%
2	4.277	4.238	4.299	BV	467460	4252744	60.89%	3.732%
3	6.290	6.248	6.388	BV	553145	5415981	77.55%	4.753%
4	8.082	8.045	8.151	BV	589328	6158582	88.18%	5.404%
5	9.680	9.645	9.785	BB	589866	6549523	93.78%	5.747%
6	11.120	11.078	11.238	PB	579032	6768347	96.91%	5.939%
7	12.428	12.385	12.498	VB	586313	6983821	100.00%	6.129%
8	12.870	12.795	12.958	BB	582280	6982791	99.99%	6.128%
9	13.039	12.961	13.121	BB	534743	6700222	95.94%	5.880%
10	13.624	13.585	13.701	VB	519298	6618144	94.76%	5.808%
11	14.725	14.651	14.798	BB	495522	6418378	91.90%	5.632%
12	15.745	15.631	15.835	BB	464373	6238703	89.33%	5.475%
13	16.694	16.615	16.749	BV	442809	6065280	86.85%	5.322%
14	17.581	17.508	17.638	PB	414227	6063740	86.83%	5.321%
15	18.412	18.028	18.471	PV	414849	5968914	85.47%	5.238%
16	19.195	18.835	19.241	PV	417174	5939577	85.05%	5.212%
17	19.934	19.681	19.974	PV	377463	5812965	83.23%	5.101%
18	20.650	20.601	20.715	BB	346890	5863802	83.96%	5.146%
19	21.514	21.095	21.618	BV	255537	5946771	85.15%	5.218%

Sum of corrected areas: 113956203

Aliphatic EPH 121024.M Sat Dec 21 02:29:06 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048900.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 11:46
Operator : YP/AJ
Sample : PB165775BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165775BSD

Integration File: autoint1.e
Quant Time: Dec 21 04:03:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
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...	7.361	8454965	50.197 ug/ml
Spiked Amount	50.000		Recovery =	100.39%
6) S	2-Flurobiphenyl (SURR)	8.211	5060351	48.983 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	97.97%
11) S	ortho-Terphenyl (SURR)	11.247	7922276	44.592 ug/ml
Spiked Amount	50.000		Recovery =	89.18%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.184	5801081	30.639 ug/ml
2) T	Naphthalene (C11.7)	5.701	7379662	38.620 ug/ml
3) T	2-Methylnaphthalene (...	6.748	7387304	39.979 ug/ml
5) T	Acenaphthylene (C15.06)	8.014	8060997	43.192 ug/ml
7) T	Acenaphthene (C15.5)	8.309	8789116	47.193 ug/ml
8) T	Flouorene (C16.55)	9.088	8824048	49.382 ug/ml
9) T	Phenanthrene (C19.36)	10.476	8669054	51.903 ug/ml
10) T	Anthracene (C19.43)	10.552	8754163	51.579 ug/ml
12) T	Fluoranthene (C21.85)	12.281	8670068	52.967 ug/ml
13) T	Pyrene (C20.8)	12.574	9021644	55.469 ug/ml
14) T	Benzo[a]anthracene (C...	14.445	7784726	58.926 ug/ml
15) T	Chrysene (C27.41)	14.488	7929200	49.115 ug/ml
16) T	benzo[b]fluoranthene ...	15.994	7823973	58.115 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.029	7936750	52.106 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.370	7560389	54.663 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.739	7629189	71.589 ug/ml
20) T	Dibenz[a,h]anthracene...	17.774	7628370	52.600 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.991	7301835	52.079 ug/ml

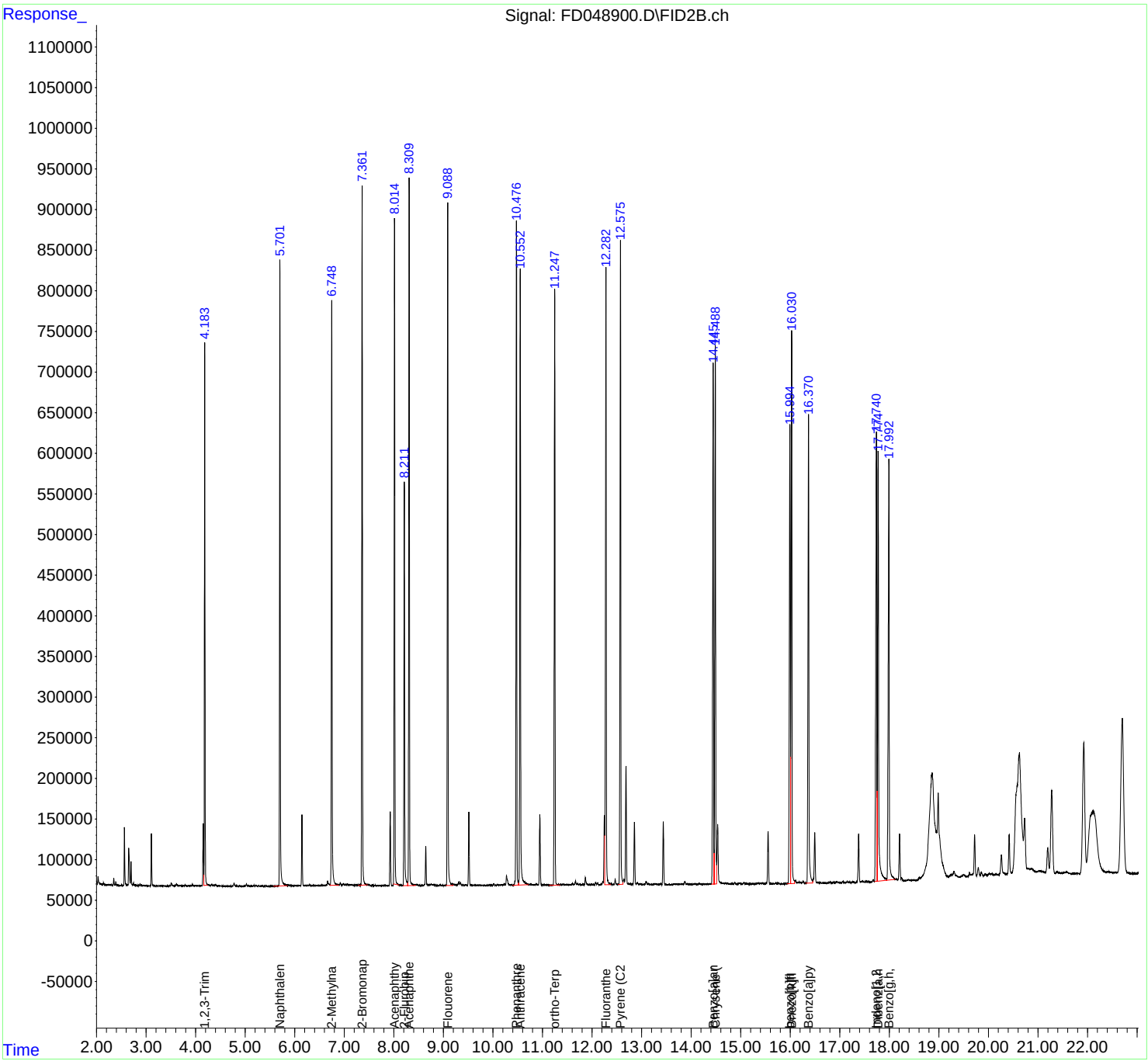
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048900.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 11:46
Operator : YP/AJ
Sample : PB165775BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165775BSD

Integration File: autoint1.e
Quant Time: Dec 21 04:03:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048900.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 11:46
Sample : PB165775BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.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	4.184	4.166	4.246	VV	664122	5801081	64.30%	3.529%
2	5.701	5.571	5.853	BV	770744	7379662	81.80%	4.489%
3	6.748	6.714	6.886	VV	721254	7387304	81.88%	4.494%
4	7.361	7.281	7.475	PV	860875	8454965	93.72%	5.143%
5	8.014	7.991	8.111	BV	823911	8060997	89.35%	4.904%
6	8.211	8.188	8.281	BV	494139	5060351	56.09%	3.078%
7	8.309	8.281	8.435	VV	861048	8789116	97.42%	5.347%
8	9.088	9.054	9.193	VV	841877	8824048	97.81%	5.368%
9	10.476	10.395	10.520	PV	809547	8669054	96.09%	5.273%
10	10.552	10.520	10.722	VV	756731	8754163	97.04%	5.325%
11	11.247	11.135	11.351	BV	738795	7922276	87.81%	4.819%
12	12.281	12.256	12.370	VV	760574	8670068	96.10%	5.274%
13	12.574	12.528	12.625	PV	794291	9021644	100.00%	5.488%
14	14.445	14.405	14.463	BV	639844	7784726	86.29%	4.736%
15	14.488	14.463	14.516	VV	660873	7929200	87.89%	4.823%
16	15.994	15.931	16.010	BV	566256	7823973	86.72%	4.759%
17	16.029	16.010	16.088	VV	662336	7936750	87.97%	4.828%
18	16.370	16.311	16.454	VV	583800	7560389	83.80%	4.599%
19	17.739	17.701	17.754	BV	544750	7629189	84.57%	4.641%
20	17.774	17.754	17.947	VV	528872	7628370	84.56%	4.640%
21	17.991	17.947	18.124	VV	517191	7301835	80.94%	4.442%

Sum of corrected areas: 164389162

Aromatic EPH 121024.M Sat Dec 21 05:09:27 2024

Page 1

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068068.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 16:26
Operator : YP/AJ
Sample : P5299-04MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
SB-02MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
Quant Time: Dec 21 01:53:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.887	5270189	41.304 ug/ml
Spiked Amount	50.000		Recovery =	82.61%
	Target Compounds			
1) T	n-Nonane (C9)	3.244	3124534	20.111 ug/ml
2) T	n-Decane (C10)	4.303	3783067	23.864 ug/ml
4) T	n-Dodecane (C12)	6.313	4383048	27.221 ug/ml
6) T	n-Tetradecane (C14)	8.104	5146476	32.368 ug/ml
7) T	n-Hexadecane (C16)	9.700	5295861	32.781 ug/ml
8) T	n-Octadecane (C18)	11.139	5479253	34.130 ug/ml
10) T	n-Eicosane (C20)	12.445	5526034	36.735 ug/ml
11) T	n-Heneicosane (C21)	13.056	5229709	35.791 ug/ml
13) T	n-Docosane (C22)	13.641	5147967	35.963 ug/ml
14) T	n-Tetracosane (C24)	14.741	4987405	35.894 ug/ml
15) T	n-Hexacosane (C26)	15.760	4823076	36.066 ug/ml
16) T	n-Octacosane (C28)	16.709	4703302	36.260 ug/ml
17) T	n-Tricontane (C30)	17.593	4718531	36.424 ug/ml
18) T	n-Dotriacontane (C32)	18.424	4645251	37.496 ug/ml
19) T	n-Tetratriacontane (C34)	19.206	4507922	41.301 ug/ml
20) T	n-Hexatriacontane (C36)	19.943	4435369	46.881 ug/mlm
21) T	n-Octatriacontane (C38)	20.661	4330161	47.867 ug/ml
22) T	n-Tetracontane (C40)	21.530	4277434	48.531 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

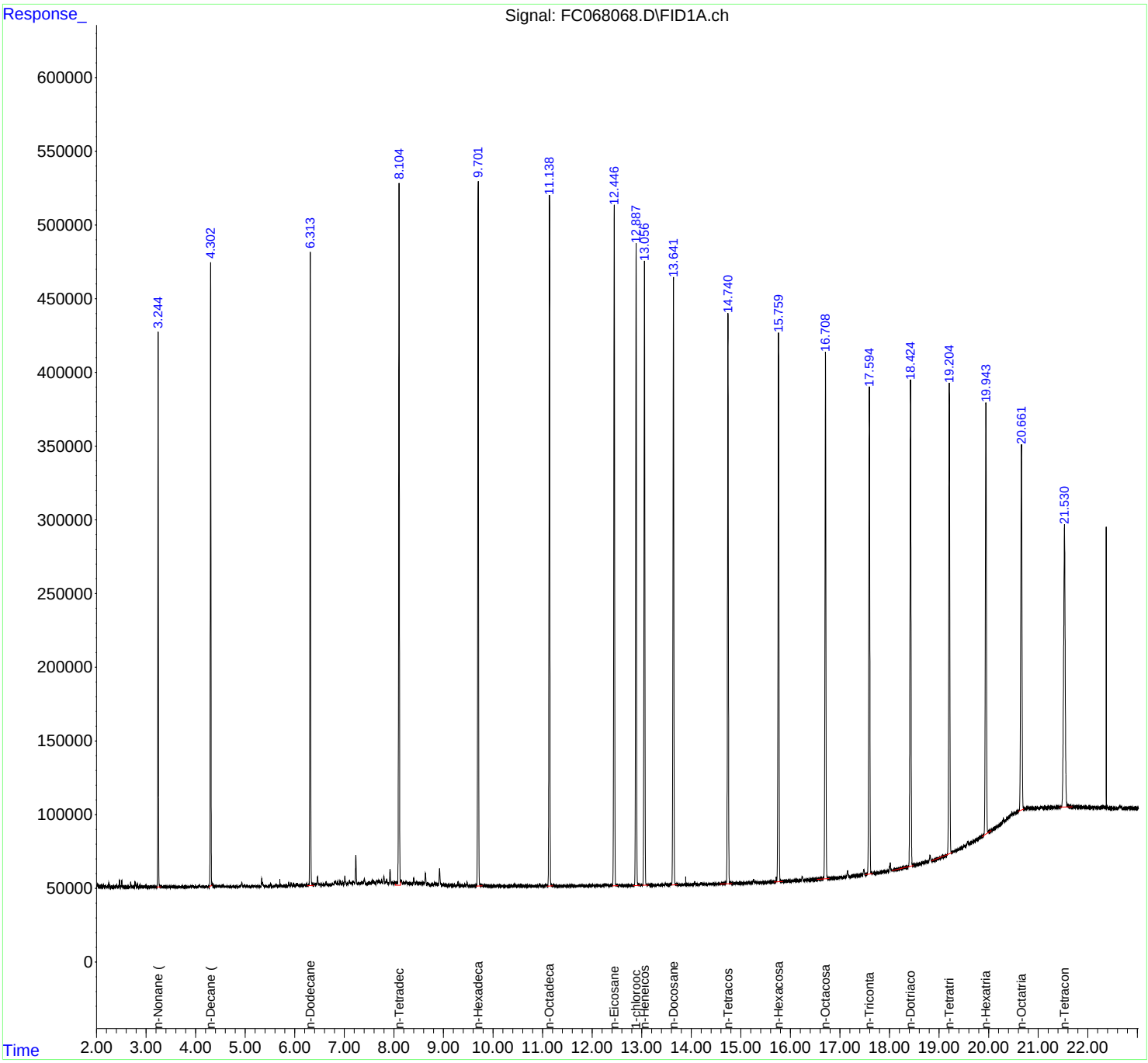
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068068.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 16:26
Operator : YP/AJ
Sample : P5299-04MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
SB-02MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
Quant Time: Dec 21 01:53:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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



8

Instrument :
FID_C
ClientSampleId :
SB-02MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC12202
Data File : FC068068.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 16:26
Sample : P5299-04MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.137	3.104	3.184	BV	111	2405	0.04%	0.002%
2	3.198	3.184	3.214	PV	83	770	0.01%	0.001%
3	3.244	3.214	3.338	PV	376943	3134798	49.88%	2.849%
4	3.346	3.338	3.353	VV	216	1709	0.03%	0.002%
5	3.364	3.353	3.402	VV	313	5371	0.09%	0.005%
6	3.443	3.402	3.464	VV	272	5204	0.08%	0.005%
7	3.504	3.464	3.535	PV	325	7491	0.12%	0.007%
8	3.563	3.535	3.592	VV	285	6544	0.10%	0.006%
9	3.611	3.592	3.691	VV	215	5486	0.09%	0.005%
10	3.701	3.691	3.714	VV	202	1237	0.02%	0.001%
11	3.732	3.714	3.764	VV	431	6358	0.10%	0.006%
12	3.777	3.764	3.796	VV	194	2065	0.03%	0.002%
13	3.816	3.796	3.834	VV	310	4029	0.06%	0.004%
14	3.907	3.834	3.918	VV	581	7776	0.12%	0.007%
15	3.933	3.918	3.957	VV	884	8616	0.14%	0.008%
16	4.000	3.957	4.031	VV	352	6513	0.10%	0.006%
17	4.068	4.031	4.101	VV	986	18581	0.30%	0.017%
18	4.107	4.101	4.131	VV	190	3226	0.05%	0.003%
19	4.140	4.131	4.198	VV	192	4507	0.07%	0.004%
20	4.218	4.198	4.235	VV	237	3904	0.06%	0.004%
21	4.252	4.235	4.271	VV	201	3461	0.06%	0.003%
22	4.303	4.271	4.331	VV	419298	3809037	60.61%	3.462%
23	4.342	4.331	4.391	VV	2492	36463	0.58%	0.033%
24	4.403	4.391	4.431	VV	637	11883	0.19%	0.011%
25	4.468	4.431	4.487	VV	1053	19857	0.32%	0.018%
26	4.498	4.487	4.511	VV	536	5848	0.09%	0.005%
27	4.524	4.511	4.537	VV	771	8406	0.13%	0.008%
28	4.554	4.537	4.570	VV	1765	18442	0.29%	0.017%
29	4.579	4.570	4.595	VV	585	5443	0.09%	0.005%
30	4.628	4.595	4.642	VV	456	7876	0.13%	0.007%
31	4.670	4.642	4.688	VV	366	7340	0.12%	0.007%
32	4.705	4.688	4.731	VV	360	6146	0.10%	0.006%
33	4.767	4.731	4.803	VV	822	14581	0.23%	0.013%
34	4.820	4.803	4.841	VV	258	3742	0.06%	0.003%
35	4.857	4.841	4.874	VV	336	4696	0.07%	0.004%
36	4.932	4.874	4.960	VV	3038	46645	0.74%	0.042%

Instrument :
FID_C
ClientSampleId :
SB-02MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

rteres

37	4.981	4.960	5.001	VV	907	14311	0.23%	0.013%
38	5.011	5.001	5.023	VV	531	5707		
39	5.039	5.023	5.075	VV	780	11448		
40	5.091	5.075	5.108	PV	182	2680		
41	5.132	5.108	5.146	VV	714	9036		
42	5.155	5.146	5.178	VV	446	7757		
43	5.194	5.178	5.211	VV	673	9193	0.15%	0.008%
44	5.223	5.211	5.234	VV	475	5227	0.08%	0.005%
45	5.249	5.234	5.268	VV	521	7411	0.12%	0.007%
46	5.279	5.268	5.295	VV	451	6247	0.10%	0.006%
47	5.333	5.295	5.391	VV	5694	92635	1.47%	0.084%
48	5.401	5.391	5.411	VV	344	3270	0.05%	0.003%
49	5.428	5.411	5.464	VV	444	10339	0.16%	0.009%
50	5.511	5.464	5.547	VV	2027	34766	0.55%	0.032%
51	5.586	5.547	5.600	VV	614	13200	0.21%	0.012%
52	5.624	5.600	5.661	VV	1327	28447	0.45%	0.026%
53	5.678	5.661	5.704	VV	728	16768	0.27%	0.015%
54	5.720	5.704	5.757	VV	1283	22742	0.36%	0.021%
55	5.786	5.757	5.804	VV	865	16619	0.26%	0.015%
56	5.835	5.804	5.852	VV	830	19137	0.30%	0.017%
57	5.880	5.852	5.905	VV	2179	42809	0.68%	0.039%
58	5.928	5.905	5.951	VV	2309	39618	0.63%	0.036%
59	5.972	5.951	5.998	VV	2596	37107	0.59%	0.034%
60	6.034	5.998	6.048	VV	2433	39949	0.64%	0.036%
61	6.058	6.048	6.081	VV	1740	26069	0.41%	0.024%
62	6.107	6.081	6.127	VV	1082	26430	0.42%	0.024%
63	6.144	6.127	6.172	VV	1925	31719	0.50%	0.029%
64	6.194	6.172	6.220	VV	1625	35099	0.56%	0.032%
65	6.240	6.220	6.258	VV	1713	28098	0.45%	0.026%
66	6.313	6.258	6.383	VV	430265	4454451	70.88%	4.048%
67	6.402	6.383	6.422	VV	1854	37764	0.60%	0.034%
68	6.460	6.422	6.488	VV	6980	115832	1.84%	0.105%
69	6.497	6.488	6.518	VV	1899	28620	0.46%	0.026%
70	6.531	6.518	6.554	VV	2118	33670	0.54%	0.031%
71	6.572	6.554	6.607	VV	1768	42981	0.68%	0.039%
72	6.632	6.607	6.655	VV	2896	55843	0.89%	0.051%
73	6.666	6.655	6.680	VV	1740	22163	0.35%	0.020%
74	6.697	6.680	6.730	VV	1657	42000	0.67%	0.038%
75	6.754	6.730	6.788	VV	2050	55508	0.88%	0.050%
76	6.808	6.788	6.818	VV	3315	48342	0.77%	0.044%
77	6.828	6.818	6.847	VV	3267	44156	0.70%	0.040%
78	6.869	6.847	6.893	VV	3418	63782	1.01%	0.058%
79	6.913	6.893	6.948	VV	3896	85506	1.36%	0.078%
80	6.969	6.948	6.988	VV	3407	55285	0.88%	0.050%
81	7.011	6.988	7.051	VV	7127	124872	1.99%	0.113%
82	7.065	7.051	7.078	VV	2135	31848	0.51%	0.029%
83	7.107	7.078	7.128	VV	3612	87579	1.39%	0.080%
84	7.151	7.128	7.163	VV	2579	50163	0.80%	0.046%
85	7.180	7.163	7.209	VV	3878	81834	1.30%	0.074%
86	7.233	7.209	7.262	VV	21281	263286	4.19%	0.239%
87	7.283	7.262	7.308	VV	2395	59647	0.95%	0.054%
88	7.324	7.308	7.333	VV	2656	34706	0.55%	0.032%
89	7.351	7.333	7.378	VV	2939	69795	1.11%	0.063%

8

Instrument :
FID_C
ClientSampleId :
SB-02MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

rteres

90	7.405	7.378	7.432	VV	5644	112443	1.79%	0.102%
91	7.446	7.432	7.468	VV	2173	41945		
92	7.494	7.468	7.529	VV	2958	87821		
93	7.568	7.529	7.584	VV	4482	99166		
94	7.598	7.584	7.633	VV	3389	75977		
95	7.656	7.633	7.672	VV	4725	75592		
96	7.687	7.672	7.698	VV	4132	55577	0.88%	0.051%
97	7.709	7.698	7.728	VV	4209	60604	0.96%	0.055%
98	7.752	7.728	7.772	VV	4566	85614	1.36%	0.078%
99	7.798	7.772	7.822	VV	7093	127104	2.02%	0.116%
100	7.854	7.822	7.877	VV	5280	109708	1.75%	0.100%
101	7.892	7.877	7.901	VV	2544	32034	0.51%	0.029%
102	7.923	7.901	7.947	VV	11696	155307	2.47%	0.141%
103	7.969	7.947	7.991	VV	2973	66747	1.06%	0.061%
104	8.010	7.991	8.029	VV	3470	61257	0.97%	0.056%
105	8.053	8.029	8.067	VV	2748	57165	0.91%	0.052%
106	8.104	8.067	8.136	VV	478896	5151108	81.97%	4.681%
107	8.149	8.136	8.175	VV	4481	76881	1.22%	0.070%
108	8.196	8.175	8.231	VV	3032	84613	1.35%	0.077%
109	8.251	8.231	8.272	VV	3449	66725	1.06%	0.061%
110	8.294	8.272	8.319	VV	2431	62906	1.00%	0.057%
111	8.338	8.319	8.359	VV	2081	46152	0.73%	0.042%
112	8.403	8.359	8.437	VV	5125	130058	2.07%	0.118%
113	8.455	8.437	8.491	VV	3241	80733	1.28%	0.073%
114	8.517	8.491	8.533	VV	2508	55748	0.89%	0.051%
115	8.549	8.533	8.574	VV	3089	55354	0.88%	0.050%
116	8.590	8.574	8.606	VV	2838	41538	0.66%	0.038%
117	8.637	8.606	8.664	VV	9191	143287	2.28%	0.130%
118	8.687	8.664	8.734	VV	2616	67768	1.08%	0.062%
119	8.758	8.734	8.767	VV	1342	22577	0.36%	0.021%
120	8.782	8.767	8.798	VV	1619	25971	0.41%	0.024%
121	8.820	8.798	8.839	VV	2561	42442	0.68%	0.039%
122	8.856	8.839	8.880	VV	1819	38443	0.61%	0.035%
123	8.921	8.880	8.985	VV	12172	206766	3.29%	0.188%
124	9.005	8.985	9.028	VV	1384	26860	0.43%	0.024%
125	9.056	9.028	9.084	VV	986	25327	0.40%	0.023%
126	9.112	9.084	9.128	VV	994	19435	0.31%	0.018%
127	9.160	9.128	9.190	VV	784	26620	0.42%	0.024%
128	9.218	9.190	9.261	VV	1008	27494	0.44%	0.025%
129	9.293	9.261	9.322	VV	2357	44151	0.70%	0.040%
130	9.339	9.322	9.361	VV	1187	18906	0.30%	0.017%
131	9.376	9.361	9.401	VV	872	15994	0.25%	0.015%
132	9.429	9.401	9.452	VV	1189	23359	0.37%	0.021%
133	9.478	9.452	9.509	VV	2841	38639	0.61%	0.035%
134	9.532	9.509	9.555	VV	439	8720	0.14%	0.008%
135	9.629	9.555	9.663	VV	639	25554	0.41%	0.023%
136	9.700	9.663	9.881	VV	481081	5344060	85.04%	4.857%
137	9.889	9.881	9.920	VV	282	4075	0.06%	0.004%
138	9.934	9.920	9.954	VV	179	3115	0.05%	0.003%
139	9.972	9.954	9.990	VV	249	3547	0.06%	0.003%
140	10.018	9.990	10.028	VV	268	4229	0.07%	0.004%
141	10.045	10.028	10.055	VV	265	3897	0.06%	0.004%

8

Instrument :
FID_C
ClientSampleId :
SB-02MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

A B C D E F G H I J

rteres

142	10.084	10.055	10.108	VV	728	14110	0.22%	0.013%
143	10.131	10.108	10.150	VV	396	6533	[illegible]	
144	10.175	10.150	10.218	VV	279	7546	[illegible]	
145	10.233	10.218	10.271	VV	179	3592	[illegible]	
146	10.297	10.271	10.309	VV	221	3363	[illegible]	
147	10.328	10.309	10.345	VV	238	3972	[illegible]	
148	10.372	10.345	10.394	VV	365	7302	0.12%	0.007%
149	10.433	10.394	10.471	VV	1088	22884	0.36%	0.021%
150	10.514	10.471	10.534	VV	532	12912	0.21%	0.012%
151	10.560	10.534	10.598	VV	639	11012	0.18%	0.010%
152	10.611	10.598	10.638	VV	132	2507	0.04%	0.002%
153	10.661	10.638	10.700	VV	194	3807	0.06%	0.003%
154	10.719	10.700	10.732	PV	124	1498	0.02%	0.001%
155	10.759	10.732	10.791	VV	344	6205	0.10%	0.006%
156	10.808	10.791	10.841	VV	411	7668	0.12%	0.007%
157	10.855	10.841	10.878	VV	345	5244	0.08%	0.005%
158	10.887	10.878	10.918	VV	213	2861	0.05%	0.003%
159	10.940	10.918	10.973	VV	1699	21165	0.34%	0.019%
160	10.997	10.973	11.033	VV	94	2482	0.04%	0.002%
161	11.067	11.033	11.097	VV	1523	20953	0.33%	0.019%
162	11.139	11.097	11.212	VV	468942	5496829	87.47%	4.995%
163	11.228	11.212	11.307	VV	662	16346	0.26%	0.015%
164	11.331	11.307	11.354	VV	203	3767	0.06%	0.003%
165	11.360	11.354	11.392	VV	149	2400	0.04%	0.002%
166	11.426	11.392	11.483	PV	263	8867	0.14%	0.008%
167	11.495	11.483	11.504	VV	211	2222	0.04%	0.002%
168	11.524	11.504	11.535	VV	424	5086	0.08%	0.005%
169	11.550	11.535	11.571	VV	401	6611	0.11%	0.006%
170	11.589	11.571	11.641	VV	382	9359	0.15%	0.009%
171	11.651	11.641	11.665	VV	119	1340	0.02%	0.001%
172	11.804	11.665	11.831	VV	745	23837	0.38%	0.022%
173	11.851	11.831	11.868	VV	240	4218	0.07%	0.004%
174	11.889	11.868	11.911	VV	208	3967	0.06%	0.004%
175	11.938	11.911	11.984	VV	261	7826	0.12%	0.007%
176	12.019	11.984	12.055	VV	488	12705	0.20%	0.012%
177	12.078	12.055	12.104	VV	512	9674	0.15%	0.009%
178	12.122	12.104	12.168	VV	355	9789	0.16%	0.009%
179	12.177	12.168	12.194	VV	126	1867	0.03%	0.002%
180	12.267	12.194	12.291	VV	1590	32636	0.52%	0.030%
181	12.304	12.291	12.351	VV	903	12832	0.20%	0.012%
182	12.382	12.351	12.408	VV	909	12551	0.20%	0.011%
183	12.445	12.408	12.541	VV	458132	5537130	88.11%	5.032%
184	12.560	12.541	12.648	VV	482	12276	0.20%	0.011%
185	12.653	12.648	12.665	VV	77	554	0.01%	0.001%
186	12.763	12.665	12.782	VV	197	8130	0.13%	0.007%
187	12.812	12.782	12.824	PV	182	3115	0.05%	0.003%
188	12.887	12.824	12.971	VV	435486	5285189	84.10%	4.803%
189	12.996	12.971	13.014	VV	417	9035	0.14%	0.008%
190	13.056	13.014	13.165	VV	420290	5252480	83.58%	4.773%
191	13.174	13.165	13.190	VV	285	2647	0.04%	0.002%
192	13.219	13.190	13.238	VV	181	3513	0.06%	0.003%
193	13.335	13.238	13.382	VV	257	15041	0.24%	0.014%
194	13.406	13.382	13.413	VV	242	2572	0.04%	0.002%

8

Instrument :
FID_C
ClientSampleId :
SB-02MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
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A B C D E F G H I J

rteres

195	13.431	13.413	13.448	VV	526	6574	0.10%	0.006%
196	13.481	13.448	13.537	VV	809	17797		
197	13.584	13.537	13.601	VV	941	13062		
198	13.641	13.601	13.754	VV	414027	5162535	82	
199	13.765	13.754	13.811	VV	192	3025		
200	13.863	13.811	13.875	PV	221	4136		
201	13.888	13.875	13.951	VV	2087	8785	0.14%	0.008%
202	13.969	13.951	13.979	VV	79	967	0.02%	0.001%
203	14.002	13.979	14.010	PV	114	1033	0.02%	0.001%
204	14.071	14.010	14.113	VV	1292	22870	0.36%	0.021%
205	14.197	14.113	14.231	VV	1127	20454	0.33%	0.019%
206	14.261	14.231	14.278	VV	207	2963	0.05%	0.003%
207	14.360	14.278	14.384	PV	199	5964	0.09%	0.005%
208	14.401	14.384	14.438	VV	187	3869	0.06%	0.004%
209	14.444	14.438	14.464	VV	141	1341	0.02%	0.001%
210	14.597	14.464	14.634	VV	258	11469	0.18%	0.010%
211	14.652	14.634	14.663	VV	136	1474	0.02%	0.001%
212	14.741	14.663	14.838	PV	384576	4992641	79.44%	4.537%
213	14.852	14.838	14.862	VV	148	1750	0.03%	0.002%
214	14.944	14.862	14.963	VV	218	8380	0.13%	0.008%
215	14.977	14.963	14.995	VV	174	2657	0.04%	0.002%
216	15.003	14.995	15.034	VV	154	1823	0.03%	0.002%
217	15.043	15.034	15.061	PV	143	995	0.02%	0.001%
218	15.076	15.061	15.091	VV	133	1773	0.03%	0.002%
219	15.099	15.091	15.104	VV	87	592	0.01%	0.001%
220	15.159	15.104	15.199	VV	327	11564	0.18%	0.011%
221	15.209	15.199	15.224	VV	102	1414	0.02%	0.001%
222	15.257	15.224	15.292	VV	2321	34942	0.56%	0.032%
223	15.305	15.292	15.371	VV	310	7981	0.13%	0.007%
224	15.382	15.371	15.388	VV	107	599	0.01%	0.001%
225	15.395	15.388	15.407	VV	90	859	0.01%	0.001%
226	15.448	15.407	15.463	PV	287	6407	0.10%	0.006%
227	15.486	15.463	15.527	VV	198	5296	0.08%	0.005%
228	15.568	15.527	15.601	VV	310	7990	0.13%	0.007%
229	15.631	15.601	15.678	VV	256	6987	0.11%	0.006%
230	15.760	15.678	15.875	VV	366816	4831102	76.87%	4.390%
231	15.935	15.875	15.958	VV	236	6732	0.11%	0.006%
232	16.071	15.958	16.085	VV	194	5247	0.08%	0.005%
233	16.118	16.085	16.132	VV	231	3907	0.06%	0.004%
234	16.142	16.132	16.181	VV	122	1225	0.02%	0.001%
235	16.238	16.181	16.268	PV	2893	41189	0.66%	0.037%
236	16.283	16.268	16.308	VV	198	3339	0.05%	0.003%
237	16.315	16.308	16.338	VV	405	2454	0.04%	0.002%
238	16.408	16.338	16.488	PV	284	8390	0.13%	0.008%
239	16.541	16.488	16.561	PV	111	3195	0.05%	0.003%
240	16.591	16.561	16.638	VV	542	10832	0.17%	0.010%
241	16.708	16.638	16.780	VV	352781	4703445	74.84%	4.274%
242	16.936	16.780	16.950	VV	98	8170	0.13%	0.007%
243	17.040	16.950	17.061	PV	148	6311	0.10%	0.006%
244	17.153	17.061	17.194	PV	3982	58840	0.94%	0.053%
245	17.262	17.194	17.278	PV	222	4616	0.07%	0.004%
246	17.482	17.278	17.518	VV	3698	52328	0.83%	0.048%

8

Instrument :
FID_C
ClientSampleId :
SB-02MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

rteres

247	17.593	17.518	17.657	PV	335100	4720282	75.11%	4.290%
248	17.872	17.657	17.894	VV	345	5815	0	
249	18.012	17.894	18.051	PV	4976	71255	1	
250	18.424	18.051	18.485	PV	330710	4647066	73	
251	18.818	18.485	18.861	PV	4231	64818	1	
252	19.206	18.861	19.261	PV	320947	4662282	74	
253	19.579	19.261	19.604	VV	5429	472668	7.52%	0.430%
254	19.945	19.604	19.988	VV	299557	5543854	88.21%	5.038%
255	20.299	19.988	20.328	VV	12322	1816150	28.90%	1.651%
256	20.476	20.328	20.493	VV	14198	1253087	19.94%	1.139%
257	20.661	20.493	20.713	VV	261744	6235523	99.22%	5.667%
258	20.845	20.713	20.953	VV	14129	2018729	32.12%	1.835%
259	20.986	20.953	21.024	VV	12815	538904	8.58%	0.490%
260	21.066	21.024	21.124	VV	12302	703292	11.19%	0.639%
261	21.291	21.124	21.313	VV	9658	1156907	18.41%	1.051%
262	21.530	21.313	21.791	VV	198275	6284495	100.00%	5.711%
263	21.799	21.791	22.024	VV	4346	414044	6.59%	0.376%
264	22.051	22.024	22.148	VV	1427	61791	0.98%	0.056%

Sum of corrected areas: 110036315

Aliphatic EPH 121024.M Sat Dec 21 02:43:20 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048906.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 16:26
Operator : YP/AJ
Sample : P5299-04MS
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
SB-02MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
Quant Time: Dec 21 04:05:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
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...	7.361	10012703	59.445 ug/ml
Spiked Amount	50.000		Recovery =	118.89%
6) S	2-Flurobiphenyl (SURR)	8.212	6489680	62.819 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	125.64%
11) S	ortho-Terphenyl (SURR)	11.245	6211910	34.965 ug/ml
Spiked Amount	50.000		Recovery =	69.93%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.184	6584574	34.777 ug/ml
2) T	Naphthalene (C11.7)	5.701	7256934	37.978 ug/ml
3) T	2-Methylnaphthalene (...	6.747	6985047	37.802 ug/ml
5) T	Acenaphthylene (C15.06)	8.013	7826476	41.935 ug/ml
7) T	Acenaphthene (C15.5)	8.309	8543432	45.874 ug/ml
8) T	Flouorene (C16.55)	9.087	8508422	47.616 ug/ml
9) T	Phenanthrene (C19.36)	10.474	8579585	51.367 ug/ml
10) T	Anthracene (C19.43)	10.551	8672415	51.098 ug/ml
12) T	Fluoranthene (C21.85)	12.281	8549657	52.232 ug/mlm
13) T	Pyrene (C20.8)	12.573	8446838	51.935 ug/ml
14) T	Benzo[a]anthracene (C...	14.443	7761048	58.747 ug/ml
15) T	Chrysene (C27.41)	14.486	7667487	47.494 ug/ml
16) T	benzo[b]fluoranthene ...	15.992	7752671	57.586 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.026	7983197	52.411 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.369	7568353	54.720 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.736	7614643	71.452 ug/ml
20) T	Dibenz[a,h]anthracene...	17.772	7354473	50.711 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.988	7490086	53.421 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

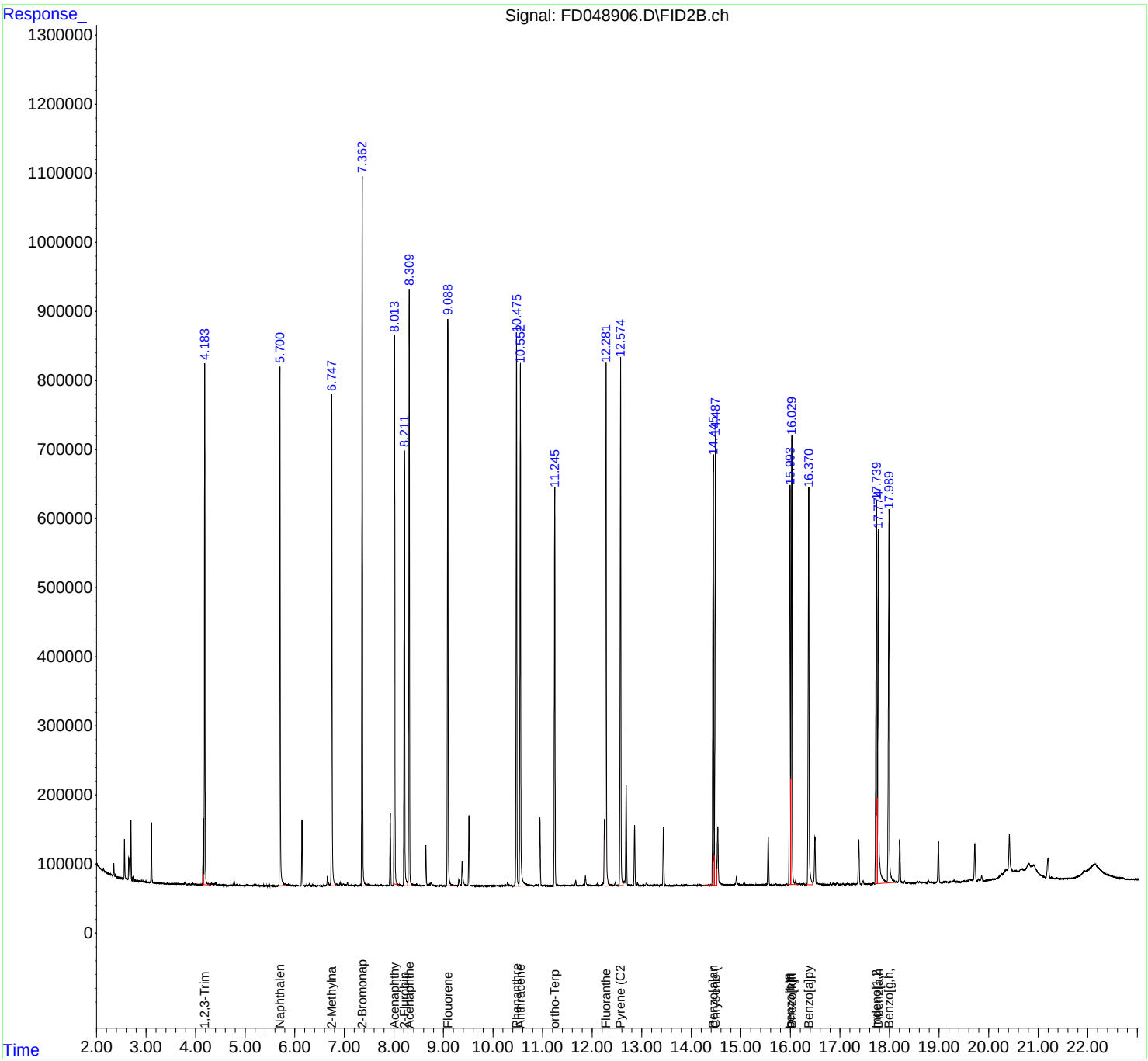
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048906.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 16:26
Operator : YP/AJ
Sample : P5299-04MS
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
SB-02MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
Quant Time: Dec 21 04:05:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
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 :
SB-02MS

rteres

Area Percent

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Da
Data File : FD048906.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 16:26
Sample : P5299-04MS
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.051	4.042	4.071	BV	293	2256	0.02%	0.001%
2	4.079	4.071	4.101	PV	209	2852	0.03%	0.002%
3	4.106	4.101	4.109	VV	306	1236	0.01%	0.001%
4	4.115	4.109	4.129	VV	317	2402	0.02%	0.001%
5	4.153	4.129	4.166	VV	96011	849075	8.47%	0.459%
6	4.183	4.166	4.257	VV	754064	6564870	65.49%	3.551%
7	4.261	4.257	4.298	VV	1800	26847	0.27%	0.015%
8	4.321	4.298	4.360	VV	3273	57490	0.57%	0.031%
9	4.375	4.360	4.388	VV	2531	28132	0.28%	0.015%
10	4.405	4.388	4.445	VV	4372	53846	0.54%	0.029%
11	4.451	4.445	4.457	VV	372	1916	0.02%	0.001%
12	4.482	4.457	4.504	VV	1089	17542	0.18%	0.009%
13	4.513	4.504	4.548	VV	605	10991	0.11%	0.006%
14	4.559	4.548	4.569	VV	492	3420	0.03%	0.002%
15	4.590	4.569	4.635	VV	892	17350	0.17%	0.009%
16	4.660	4.645	4.679	PV	513	5240	0.05%	0.003%
17	4.696	4.679	4.705	VV	628	7263	0.07%	0.004%
18	4.715	4.705	4.725	VV	565	5083	0.05%	0.003%
19	4.731	4.725	4.739	VV	510	3473	0.03%	0.002%
20	4.776	4.739	4.813	VV	7371	112682	1.12%	0.061%
21	4.833	4.813	4.877	VV	1865	28153	0.28%	0.015%
22	4.886	4.877	4.912	VV	599	8777	0.09%	0.005%
23	4.923	4.912	4.928	VV	383	2454	0.02%	0.001%
24	4.958	4.928	4.967	VV	446	7102	0.07%	0.004%
25	4.971	4.967	4.981	VV	394	3134	0.03%	0.002%

Page 1

8

Instrument :
FID_D
ClientSampleId :
SB-02MS

rteres

26	4.987	4.981	5.004	VV	670	4170	0.04%	0.002%
27	5.027	5.004	5.090	VV	2444			
28	5.097	5.090	5.114	VV	569			
29	5.116	5.114	5.122	VV	435			
30	5.128	5.122	5.131	VV	409			
31	5.137	5.131	5.160	VV	796	6808	0.07%	0.004%
32	5.181	5.160	5.199	VV	2542	30702	0.31%	0.017%
33	5.216	5.199	5.254	VV	2661	34427	0.34%	0.019%
34	5.268	5.254	5.304	VV	952	15147	0.15%	0.008%
35	5.315	5.304	5.327	VV	437	4012	0.04%	0.002%
36	5.341	5.327	5.369	VV	994	14884	0.15%	0.008%
37	5.373	5.369	5.389	VV	887	4078	0.04%	0.002%
38	5.422	5.405	5.446	PV	622	6488	0.06%	0.004%
39	5.466	5.446	5.504	VV	698	12223	0.12%	0.007%
40	5.521	5.504	5.537	VV	468	6006	0.06%	0.003%
41	5.545	5.537	5.557	VV	330	2788	0.03%	0.002%
42	5.560	5.557	5.567	VV	193	1171	0.01%	0.001%
43	5.570	5.567	5.574	VV	226	1053	0.01%	0.001%
44	5.579	5.574	5.587	VV	412	1856	0.02%	0.001%
45	5.594	5.587	5.602	VV	207	1164	0.01%	0.001%
46	5.618	5.602	5.635	VV	473	4632	0.05%	0.003%
47	5.642	5.635	5.658	VV	350	2886	0.03%	0.002%
48	5.701	5.658	5.799	VV	749986	7299792	72.82%	3.948%
49	5.812	5.799	5.855	VV	3428	73471	0.73%	0.040%
50	5.877	5.855	5.919	VV	2327	53284	0.53%	0.029%
51	5.943	5.919	5.965	VV	1275	21052	0.21%	0.011%
52	5.970	5.965	5.987	VV	614	5595	0.06%	0.003%
53	5.993	5.987	6.007	VV	474	3561	0.04%	0.002%
54	6.027	6.007	6.034	VV	702	6719	0.07%	0.004%
55	6.037	6.034	6.051	VV	717	5948	0.06%	0.003%
56	6.058	6.051	6.097	VV	629	8465	0.08%	0.005%
57	6.102	6.097	6.107	VV	391	1684	0.02%	0.001%
58	6.113	6.107	6.124	VV	383	2838	0.03%	0.002%
59	6.231	6.210	6.252	VV	1204	14973	0.15%	0.008%
60	6.269	6.252	6.276	VV	946	7611	0.08%	0.004%
61	6.296	6.276	6.313	VV	3113	34795	0.35%	0.019%
62	6.324	6.313	6.352	VV	611	7912	0.08%	0.004%
63	6.367	6.352	6.386	PV	1181	13951	0.14%	0.008%
64	6.395	6.386	6.404	VV	593	4212	0.04%	0.002%
65	6.408	6.404	6.420	VV	356	2556	0.03%	0.001%
66	6.428	6.420	6.445	VV	299	2870	0.03%	0.002%
67	6.460	6.445	6.500	VV	776	13958	0.14%	0.008%
68	6.504	6.500	6.514	VV	373	2009	0.02%	0.001%
69	6.536	6.514	6.559	VV	353	6737	0.07%	0.004%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Instrument :
FID_D
ClientSampleId :
SB-02MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

rteres

70	6.584	6.559	6.602	VV	1524	17306	0.17%	0.009%
71	6.748	6.717	6.829	VV	708337	7(		
72	6.844	6.829	6.878	VV	2993			
73	6.921	6.878	6.947	VV	4999			
74	7.031	7.019	7.047	VV	2071			
75	7.064	7.047	7.087	VV	5616	68060	0.68%	0.037%
76	7.122	7.087	7.137	VV	1185	28548	0.28%	0.015%
77	7.151	7.137	7.172	VV	1602	22707	0.23%	0.012%
78	7.233	7.205	7.260	VV	1836	33074	0.33%	0.018%
79	7.271	7.260	7.283	VV	729	7916	0.08%	0.004%
80	7.290	7.283	7.300	VV	859	5095	0.05%	0.003%
81	7.324	7.300	7.335	VV	2084	26534	0.26%	0.014%
82	7.362	7.335	7.459	VV	1029103	10023906	100.00%	5.422%
83	7.472	7.459	7.502	VV	2385	51172	0.51%	0.028%
84	7.516	7.502	7.532	VV	1667	27278	0.27%	0.015%
85	7.542	7.532	7.565	VV	1301	21205	0.21%	0.011%
86	7.582	7.565	7.601	VV	1130	18486	0.18%	0.010%
87	7.626	7.601	7.656	VV	2205	35273	0.35%	0.019%
88	7.660	7.656	7.669	VV	663	4524	0.05%	0.002%
89	7.680	7.669	7.703	VV	1205	16766	0.17%	0.009%
90	7.716	7.703	7.725	VV	764	9001	0.09%	0.005%
91	7.748	7.725	7.772	VV	2441	32802	0.33%	0.018%
92	7.805	7.800	7.818	VV	703	5558	0.06%	0.003%
93	7.835	7.818	7.854	VV	1243	17048	0.17%	0.009%
94	7.862	7.854	7.882	VV	1039	12168	0.12%	0.007%
95	7.978	7.959	7.984	VV	826	11830	0.12%	0.006%
96	8.013	7.984	8.112	VV	797480	7999822	79.81%	4.327%
97	8.121	8.112	8.142	VV	1592	21085	0.21%	0.011%
98	8.155	8.142	8.169	VV	1221	15579	0.16%	0.008%
99	8.173	8.169	8.185	VV	717	5907	0.06%	0.003%
100	8.212	8.185	8.267	VV	631259	6473368	64.58%	3.501%
101	8.272	8.267	8.281	VV	6016	48263	0.48%	0.026%
102	8.309	8.281	8.373	VV	862655	8544377	85.24%	4.622%
103	8.378	8.373	8.402	VV	2476	33139	0.33%	0.018%
104	8.413	8.402	8.430	VV	1885	29152	0.29%	0.016%
105	8.459	8.430	8.509	VV	3318	78824	0.79%	0.043%
106	8.521	8.509	8.550	VV	1080	15304	0.15%	0.008%
107	8.574	8.550	8.597	VV	825	15187	0.15%	0.008%
108	8.601	8.597	8.616	VV	660	6987	0.07%	0.004%
109	8.644	8.616	8.705	VV	58958	644644	6.43%	0.349%
110	8.721	8.705	8.730	VV	2296	27495	0.27%	0.015%
111	8.748	8.730	8.779	VV	4310	79111	0.79%	0.043%
112	8.795	8.779	8.818	VV	1944	30005	0.30%	0.016%

8

Instrument :
FID_D
ClientSampleId :
SB-02MS

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

113	8.832	8.818	8.849	VV	1017	13178	0.13%	0.007%
114	8.854	8.849	8.857	VV	389			
115	8.861	8.857	8.865	VV	428			
116	8.878	8.865	8.903	VV	737			
117	8.937	8.903	8.955	VV	1099			
118	8.961	8.955	8.995	VV	863	11944	0.12%	0.006%
119	9.022	9.004	9.029	PV	627	4905	0.05%	0.003%
120	9.050	9.029	9.058	VV	896	9573	0.10%	0.005%
121	9.088	9.058	9.199	VV	822914	8545159	85.25%	4.622%
122	9.205	9.199	9.228	VV	1503	19541	0.19%	0.011%
123	9.245	9.228	9.265	VV	1236	19600	0.20%	0.011%
124	9.274	9.265	9.281	VV	878	6521	0.07%	0.004%
125	9.310	9.281	9.359	VV	9191	150683	1.50%	0.082%
126	9.377	9.359	9.454	VV	36677	559893	5.59%	0.303%
127	9.460	9.454	9.489	VV	1566	25436	0.25%	0.014%
128	9.515	9.489	9.572	VV	102300	1105344	11.03%	0.598%
129	9.590	9.572	9.597	VV	694	8327	0.08%	0.005%
130	9.603	9.597	9.611	VV	613	4268	0.04%	0.002%
131	9.617	9.611	9.643	VV	477	7095	0.07%	0.004%
132	9.652	9.643	9.676	VV	375	5277	0.05%	0.003%
133	9.682	9.676	9.700	VV	444	4060	0.04%	0.002%
134	9.717	9.700	9.736	VV	340	4441	0.04%	0.002%
135	9.742	9.736	9.752	VV	392	2974	0.03%	0.002%
136	9.768	9.752	9.774	VV	428	4676	0.05%	0.003%
137	9.790	9.774	9.805	VV	516	5482	0.05%	0.003%
138	9.831	9.805	9.846	VV	633	10540	0.11%	0.006%
139	9.886	9.846	9.890	VV	434	8157	0.08%	0.004%
140	9.902	9.890	9.927	VV	542	9283	0.09%	0.005%
141	9.940	9.927	9.963	VV	674	10158	0.10%	0.005%
142	9.969	9.963	9.984	VV	442	3988	0.04%	0.002%
143	9.989	9.984	9.993	VV	393	1683	0.02%	0.001%
144	9.995	9.993	10.003	VV	356	1785	0.02%	0.001%
145	10.019	10.003	10.041	VV	1081	12377	0.12%	0.007%
146	10.054	10.041	10.065	VV	358	3937	0.04%	0.002%
147	10.089	10.065	10.099	VV	777	10231	0.10%	0.006%
148	10.106	10.099	10.121	VV	687	8052	0.08%	0.004%
149	10.131	10.121	10.155	VV	680	8978	0.09%	0.005%
150	10.187	10.155	10.201	VV	710	12739	0.13%	0.007%
151	10.241	10.201	10.270	VV	1466	38810	0.39%	0.021%
152	10.297	10.270	10.350	VV	5142	101419	1.01%	0.055%
153	10.373	10.350	10.396	VV	1687	23495	0.23%	0.013%
154	10.475	10.396	10.521	VV	802331	8588488	85.68%	4.646%
155	10.552	10.521	10.691	VV	755431	8661884	86.41%	4.685%

8

Instrument :
FID_D
ClientSampleId :
SB-02MS

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

156	10.695	10.691	10.739	VV	1951	40729	0.41%	0.022%
157	10.755	10.739	10.810	VV	1379			
158	10.815	10.810	10.835	VV	513			
159	10.854	10.835	10.861	VV	1242			
160	10.878	10.861	10.910	VV	2079			
161	10.947	10.910	11.004	VV	98912	1135762	11.33%	0.614%
162	11.036	11.004	11.062	VV	886	24105	0.24%	0.013%
163	11.068	11.062	11.073	VV	587	3668	0.04%	0.002%
164	11.078	11.073	11.114	VV	517	9760	0.10%	0.005%
165	11.117	11.114	11.141	VV	520	4733	0.05%	0.003%
166	11.159	11.141	11.176	VV	327	4419	0.04%	0.002%
167	11.192	11.176	11.213	VV	632	3459	0.03%	0.002%
168	11.245	11.213	11.308	PV	577440	6197254	61.82%	3.352%
169	11.315	11.308	11.320	VV	906	6229	0.06%	0.003%
170	11.332	11.320	11.354	VV	1054	17178	0.17%	0.009%
171	11.363	11.354	11.392	VV	1136	16494	0.16%	0.009%
172	11.419	11.392	11.448	VV	1537	30445	0.30%	0.016%
173	11.464	11.448	11.480	VV	972	14895	0.15%	0.008%
174	11.492	11.480	11.496	VV	1198	7575	0.08%	0.004%
175	11.501	11.496	11.550	VV	958	20479	0.20%	0.011%
176	11.582	11.550	11.590	VV	896	15214	0.15%	0.008%
177	11.608	11.590	11.626	VV	1445	25061	0.25%	0.014%
178	11.635	11.626	11.644	VV	957	8960	0.09%	0.005%
179	11.668	11.644	11.734	VV	8217	125978	1.26%	0.068%
180	11.749	11.734	11.753	VV	758	7766	0.08%	0.004%
181	11.763	11.753	11.791	VV	1064	17881	0.18%	0.010%
182	11.825	11.791	11.843	VV	1484	31303	0.31%	0.017%
183	11.864	11.843	11.907	VV	14484	208124	2.08%	0.113%
184	11.913	11.907	11.932	VV	1835	22122	0.22%	0.012%
185	11.942	11.932	11.970	VV	1310	23054	0.23%	0.012%
186	11.976	11.970	12.002	VV	1091	11908	0.12%	0.006%
187	12.018	12.002	12.040	VV	861	14512	0.14%	0.008%
188	12.084	12.040	12.093	VV	1416	27731	0.28%	0.015%
189	12.114	12.093	12.139	VV	4602	64893	0.65%	0.035%
190	12.152	12.139	12.163	VV	804	9603	0.10%	0.005%
191	12.186	12.163	12.199	VV	1723	25253	0.25%	0.014%
192	12.217	12.199	12.224	VV	4467	42330	0.42%	0.023%
193	12.249	12.224	12.257	VV	96610	999892	9.98%	0.541%
194	12.281	12.257	12.359	VV	756618	8614255	85.94%	4.659%
195	12.363	12.359	12.370	VV	1672	10526	0.11%	0.006%
196	12.374	12.370	12.377	VV	1627	6535	0.07%	0.004%
197	12.386	12.377	12.424	VV	1701	31018	0.31%	0.017%
198	12.438	12.424	12.451	VV	890	13039	0.13%	0.007%
199	12.469	12.451	12.519	VV	6105	89051	0.89%	0.048%

8

Instrument :
FID_D
ClientSampleId :
SB-02MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

rteres

200	12.574	12.519	12.627	VV	768987	8493637	84.73%	4.594%
201	12.644	12.627	12.660	VV	7341			
202	12.686	12.660	12.742	VV	145695	1		
203	12.767	12.742	12.794	VV	1442			
204	12.795	12.794	12.805	VV	878			
205	12.818	12.805	12.825	VV	832	8516	0.08%	0.005%
206	12.857	12.825	12.892	VV	87739	1042744	10.40%	0.564%
207	12.914	12.892	12.953	VV	4737	78904	0.79%	0.043%
208	12.960	12.953	12.990	VV	932	16875	0.17%	0.009%
209	12.999	12.990	13.005	VV	691	5341	0.05%	0.003%
210	13.012	13.005	13.021	VV	712	5669	0.06%	0.003%
211	13.025	13.021	13.030	VV	667	3547	0.04%	0.002%
212	13.092	13.030	13.183	VV	3867	119028	1.19%	0.064%
213	13.191	13.183	13.205	VV	662	7741	0.08%	0.004%
214	13.210	13.205	13.218	VV	568	4187	0.04%	0.002%
215	13.232	13.218	13.237	VV	780	6582	0.07%	0.004%
216	13.242	13.237	13.249	VV	834	5227	0.05%	0.003%
217	13.268	13.249	13.300	VV	1140	26298	0.26%	0.014%
218	13.310	13.300	13.317	VV	1013	8378	0.08%	0.005%
219	13.318	13.317	13.349	VV	990	11079	0.11%	0.006%
220	13.391	13.349	13.410	VV	2093	39462	0.39%	0.021%
221	13.439	13.410	13.492	VV	85358	1034042	10.32%	0.559%
222	13.500	13.492	13.517	VV	644	4670	0.05%	0.003%
223	13.525	13.517	13.542	VV	447	3660	0.04%	0.002%
224	13.546	13.542	13.548	VV	378	1094	0.01%	0.001%
225	13.553	13.548	13.597	VV	394	4882	0.05%	0.003%
226	13.646	13.604	13.658	VV	437	7666	0.08%	0.004%
227	13.666	13.658	13.676	VV	547	4352	0.04%	0.002%
228	13.695	13.676	13.734	VV	948	18975	0.19%	0.010%
229	13.739	13.734	13.744	VV	427	2428	0.02%	0.001%
230	13.760	13.744	13.770	VV	557	5980	0.06%	0.003%
231	13.792	13.770	13.815	VV	645	14426	0.14%	0.008%
232	13.829	13.815	13.845	VV	749	10713	0.11%	0.006%
233	13.873	13.845	13.939	VV	1751	51984	0.52%	0.028%
234	13.944	13.939	13.960	VV	663	6968	0.07%	0.004%
235	13.965	13.960	13.975	VV	514	3742	0.04%	0.002%
236	13.998	13.975	14.030	VV	817	15753	0.16%	0.009%
237	14.044	14.030	14.052	VV	556	6132	0.06%	0.003%
238	14.057	14.052	14.073	VV	452	4778	0.05%	0.003%
239	14.095	14.073	14.113	VV	724	12213	0.12%	0.007%
240	14.127	14.113	14.135	VV	743	7201	0.07%	0.004%
241	14.159	14.135	14.200	VV	1291	32973	0.33%	0.018%
242	14.208	14.200	14.225	VV	748	5774	0.06%	0.003%

8

Instrument :
FID_D
ClientSampleId :
SB-02MS

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
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243	14.229	14.225	14.235	VV	282	1325	0.01%	0.001%
244	14.254	14.235	14.270	VV	508			
245	14.287	14.270	14.329	VV	498			
246	14.345	14.329	14.362	VV	597			
247	14.369	14.362	14.379	VV	560			
248	14.382	14.379	14.393	VV	647	4442	0.04%	0.002%
249	14.397	14.393	14.406	VV	675	3744	0.04%	0.002%
250	14.445	14.406	14.463	VV	624102	7716058	76.98%	4.174%
251	14.487	14.463	14.515	VV	650489	7731393	77.13%	4.182%
252	14.535	14.515	14.569	VV	85486	1233340	12.30%	0.667%
253	14.579	14.569	14.628	VV	4770	107569	1.07%	0.058%
254	14.634	14.628	14.639	VV	1853	11684	0.12%	0.006%
255	14.643	14.639	14.690	VV	1760	39814	0.40%	0.022%
256	14.707	14.690	14.720	VV	1350	21737	0.22%	0.012%
257	14.728	14.720	14.784	VV	1310	35370	0.35%	0.019%
258	14.795	14.784	14.816	VV	868	10690	0.11%	0.006%
259	14.837	14.816	14.849	VV	804	12582	0.13%	0.007%
260	14.853	14.849	14.862	VV	647	4896	0.05%	0.003%
261	14.882	14.862	14.888	VV	2197	24222	0.24%	0.013%
262	14.911	14.888	14.953	VV	12269	213660	2.13%	0.116%
263	14.957	14.953	15.024	VV	2186	57496	0.57%	0.031%
264	15.029	15.024	15.033	VV	800	3868	0.04%	0.002%
265	15.066	15.033	15.097	VV	4169	72271	0.72%	0.039%
266	15.113	15.097	15.142	VV	877	16375	0.16%	0.009%
267	15.146	15.142	15.150	VV	498	2118	0.02%	0.001%
268	15.163	15.150	15.178	VV	658	8866	0.09%	0.005%
269	15.195	15.178	15.209	VV	778	11048	0.11%	0.006%
270	15.213	15.209	15.229	VV	680	5280	0.05%	0.003%
271	15.250	15.229	15.275	VV	912	17681	0.18%	0.010%
272	15.279	15.275	15.294	VV	517	3850	0.04%	0.002%
273	15.355	15.294	15.390	VV	1133	43264	0.43%	0.023%
274	15.435	15.390	15.444	VV	1263	28378	0.28%	0.015%
275	15.447	15.444	15.466	VV	1091	9389	0.09%	0.005%
276	15.472	15.466	15.492	VV	748	7618	0.08%	0.004%
277	15.512	15.492	15.522	VV	1400	18191	0.18%	0.010%
278	15.553	15.522	15.587	VV	69733	929070	9.27%	0.503%
279	15.607	15.587	15.668	VV	1168	25514	0.25%	0.014%
280	15.708	15.668	15.733	PV	1737	29843	0.30%	0.016%
281	15.753	15.733	15.772	VV	797	11963	0.12%	0.006%
282	15.777	15.772	15.800	VV	372	2901	0.03%	0.002%
283	15.819	15.813	15.832	PV	183	1239	0.01%	0.001%
284	15.835	15.832	15.857	VV	456	1898	0.02%	0.001%
285	15.870	15.857	15.880	VV	379	2970	0.03%	0.002%

Instrument :
FID_D
ClientSampleId :
SB-02MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

rteres

286	15.921	15.880	15.955	VV	1725	33648	0.34%	0.018%
287	15.993	15.955	16.008	VV	578580	7		
288	16.028	16.008	16.090	VV	651172	7		
289	16.105	16.090	16.160	VV	4256			
290	16.181	16.160	16.210	VV	1713			
291	16.223	16.210	16.240	VV	1244	19570	0.20%	0.011%
292	16.259	16.240	16.309	VV	2783	52592	0.52%	0.028%
293	16.324	16.309	16.331	VV	793	9582	0.10%	0.005%
294	16.370	16.331	16.450	VV	576272	7592772	75.75%	4.107%
295	16.495	16.450	16.524	VV	69005	1045419	10.43%	0.565%
296	16.538	16.524	16.564	VV	4850	72620	0.72%	0.039%
297	16.572	16.564	16.610	VV	1319	26216	0.26%	0.014%
298	16.615	16.610	16.641	VV	861	10843	0.11%	0.006%
299	16.652	16.641	16.675	VV	590	7764	0.08%	0.004%
300	16.680	16.675	16.687	VV	383	2265	0.02%	0.001%
301	16.692	16.687	16.708	VV	400	4078	0.04%	0.002%
302	16.718	16.708	16.745	VV	459	4164	0.04%	0.002%
303	16.755	16.745	16.770	VV	222	1531	0.02%	0.001%
304	16.805	16.770	16.838	PV	1392	26987	0.27%	0.015%
305	16.867	16.838	16.909	VV	1354	31189	0.31%	0.017%
306	16.942	16.909	16.971	VV	2155	39922	0.40%	0.022%
307	16.977	16.971	16.991	VV	310	2917	0.03%	0.002%
308	16.997	16.991	17.005	VV	407	2045	0.02%	0.001%
309	17.026	17.005	17.039	VV	476	6439	0.06%	0.003%
310	17.063	17.039	17.090	VV	1177	21935	0.22%	0.012%
311	17.095	17.090	17.104	VV	253	1702	0.02%	0.001%
312	17.124	17.104	17.132	VV	445	4885	0.05%	0.003%
313	17.147	17.132	17.210	VV	1101	27487	0.27%	0.015%
314	17.246	17.210	17.254	VV	494	9510	0.09%	0.005%
315	17.268	17.254	17.300	VV	1050	17452	0.17%	0.009%
316	17.303	17.300	17.314	VV	279	2022	0.02%	0.001%
317	17.380	17.314	17.437	VV	64521	907925	9.06%	0.491%
318	17.466	17.437	17.507	VV	5420	83392	0.83%	0.045%
319	17.522	17.507	17.534	VV	823	9805	0.10%	0.005%
320	17.538	17.534	17.562	VV	604	6896	0.07%	0.004%
321	17.574	17.562	17.623	VV	619	11778	0.12%	0.006%
322	17.673	17.630	17.696	VV	1537	28458	0.28%	0.015%
323	17.739	17.696	17.752	VV	555719	7483393	74.66%	4.048%
324	17.774	17.752	17.947	VV	513901	7638663	76.20%	4.132%
325	17.990	17.947	18.118	VV	541535	7623180	76.05%	4.123%
326	18.139	18.118	18.160	VV	2104	48814	0.49%	0.026%
327	18.206	18.160	18.237	VV	63066	903363	9.01%	0.489%
328	18.244	18.237	18.284	VV	1823	27166	0.27%	0.015%

Sum of corrected areas: 184875472

8

Instrument :
FID_D
ClientSampleId :
SB-02MS

rteres

Aromatic EPH 121024.M Sat Dec 21 05:55:15 20

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

A B C D E F G H I J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068069.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 17:03
Operator : YP/AJ
Sample : P5299-04MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
SB-02MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
Quant Time: Dec 21 01:54:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	12.886	5087208	39.870 ug/ml
Spiked Amount	50.000		Recovery =	79.74%
	Target Compounds			
1) T	n-Nonane (C9)	3.244	3053174	19.651 ug/ml
2) T	n-Decane (C10)	4.303	3700073	23.341 ug/ml
4) T	n-Dodecane (C12)	6.313	4282078	26.594 ug/ml
6) T	n-Tetradecane (C14)	8.103	4910579	30.885 ug/ml
7) T	n-Hexadecane (C16)	9.700	5152539	31.894 ug/ml
8) T	n-Octadecane (C18)	11.138	5324188	33.164 ug/ml
10) T	n-Eicosane (C20)	12.445	5374336	35.727 ug/ml
11) T	n-Heneicosane (C21)	13.055	5089173	34.830 ug/ml
13) T	n-Docosane (C22)	13.640	5010283	35.001 ug/ml
14) T	n-Tetracosane (C24)	14.740	4852342	34.922 ug/ml
15) T	n-Hexacosane (C26)	15.759	4700973	35.152 ug/ml
16) T	n-Octacosane (C28)	16.707	4570081	35.233 ug/ml
17) T	n-Tricontane (C30)	17.593	4557589	35.182 ug/ml
18) T	n-Dotriacontane (C32)	18.424	4458604	35.989 ug/ml
19) T	n-Tetratriacontane (C34)	19.205	4439369	40.673 ug/mlm
20) T	n-Hexatriacontane (C36)	19.945	4261514	45.043 ug/ml
21) T	n-Octatriacontane (C38)	20.660	4190307	46.321 ug/ml
22) T	n-Tetracontane (C40)	21.528	4148424	47.067 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

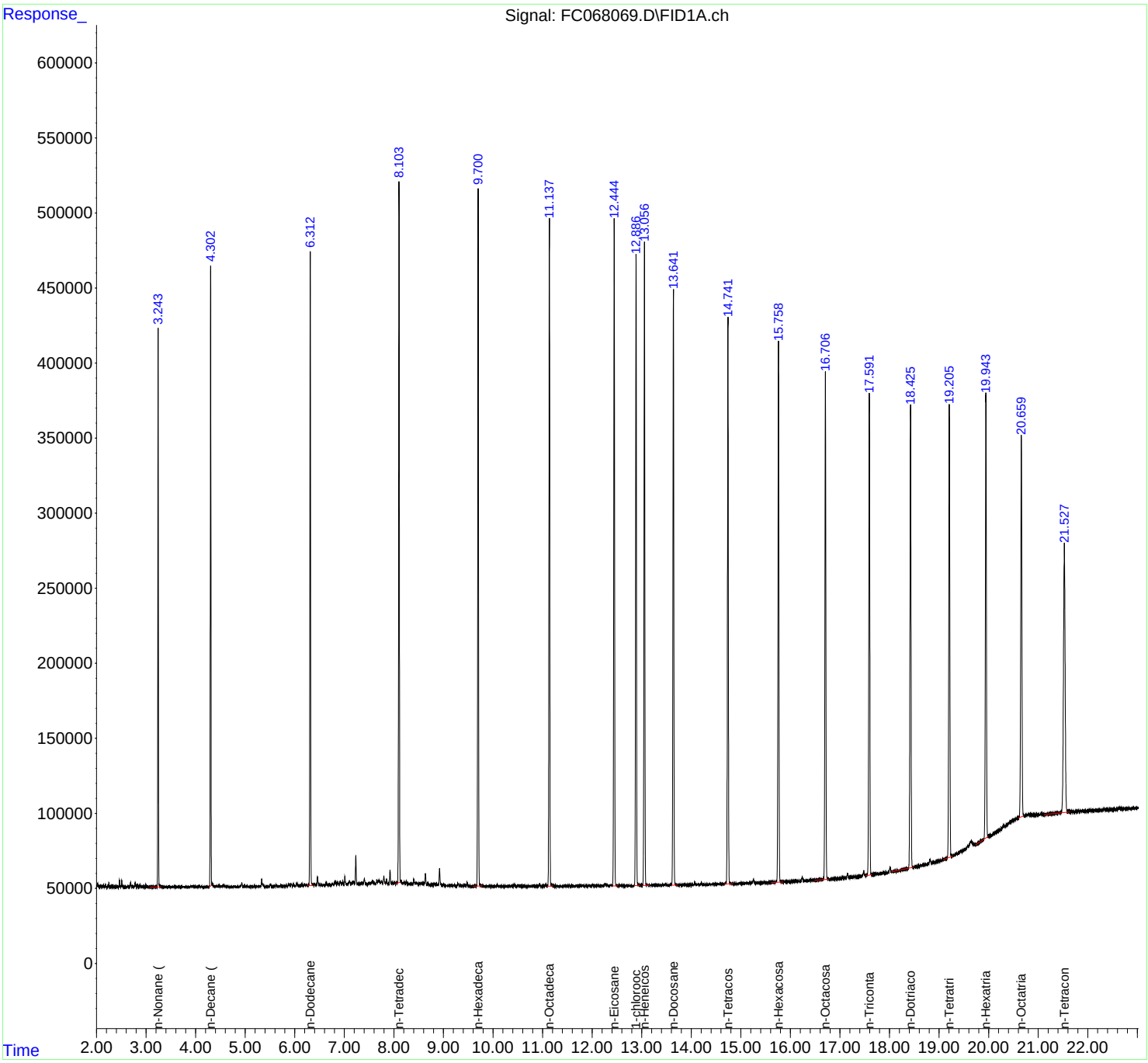
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC122024AL\
Data File : FC068069.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 17:03
Operator : YP/AJ
Sample : P5299-04MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
SB-02MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Integration File: autoint1.e
Quant Time: Dec 21 01:54:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 07:59:10 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Instrument :
FID_C
ClientSampleId :
SB-02MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC12202
Data File : FC068069.D
Signal(s) : FID1A.ch
Acq On : 20 Dec 2024 17:03
Sample : P5299-04MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 121024.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.138	3.104	3.161	BV	218	2145	0.03%	0.002%
2	3.244	3.161	3.327	PV	369926	3069903	47.62%	3.018%
3	3.336	3.327	3.351	VV	245	2920	0.05%	0.003%
4	3.363	3.351	3.401	VV	286	6802	0.11%	0.007%
5	3.418	3.401	3.431	VV	238	2957	0.05%	0.003%
6	3.443	3.431	3.464	VV	279	3356	0.05%	0.003%
7	3.517	3.464	3.538	VV	366	9612	0.15%	0.009%
8	3.551	3.538	3.596	VV	343	7069	0.11%	0.007%
9	3.614	3.596	3.638	PV	234	3545	0.05%	0.003%
10	3.649	3.638	3.668	VV	181	2222	0.03%	0.002%
11	3.679	3.668	3.698	VV	158	1782	0.03%	0.002%
12	3.731	3.698	3.771	VV	456	9158	0.14%	0.009%
13	3.815	3.771	3.831	VV	390	5908	0.09%	0.006%
14	3.841	3.831	3.872	VV	250	3344	0.05%	0.003%
15	3.905	3.872	3.918	VV	592	7393	0.11%	0.007%
16	3.933	3.918	3.958	VV	855	9959	0.15%	0.010%
17	3.999	3.958	4.018	VV	391	7008	0.11%	0.007%
18	4.068	4.018	4.096	VV	989	19871	0.31%	0.020%
19	4.107	4.096	4.152	VV	273	6389	0.10%	0.006%
20	4.168	4.152	4.189	VV	170	2962	0.05%	0.003%
21	4.216	4.189	4.237	VV	297	5183	0.08%	0.005%
22	4.254	4.237	4.271	VV	250	4041	0.06%	0.004%
23	4.303	4.271	4.330	VV	412902	3727602	57.82%	3.664%
24	4.342	4.330	4.385	VV	2569	36657	0.57%	0.036%
25	4.403	4.385	4.431	VV	700	13341	0.21%	0.013%
26	4.469	4.431	4.511	VV	978	25657	0.40%	0.025%
27	4.524	4.511	4.537	VV	725	8337	0.13%	0.008%
28	4.554	4.537	4.571	VV	1782	18302	0.28%	0.018%
29	4.581	4.571	4.598	VV	554	6180	0.10%	0.006%
30	4.608	4.598	4.615	VV	305	2665	0.04%	0.003%
31	4.630	4.615	4.644	VV	442	5207	0.08%	0.005%
32	4.673	4.644	4.688	VV	397	6430	0.10%	0.006%
33	4.709	4.688	4.734	VV	357	6814	0.11%	0.007%
34	4.767	4.734	4.805	VV	771	13541	0.21%	0.013%
35	4.817	4.805	4.834	VV	160	2410	0.04%	0.002%
36	4.854	4.834	4.874	VV	339	4742	0.07%	0.005%

Page 1

8

Instrument :
FID_C
ClientSampleId :
SB-02MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
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A B C D E F G H I J

rteres

37	4.932	4.874	4.960	VV	2990	44841	0.70%	0.044%
38	4.982	4.960	5.002	VV	813	12886		
39	5.013	5.002	5.024	VV	497	5284		
40	5.039	5.024	5.080	VV	737	11028		
41	5.132	5.080	5.147	VV	711	11890		
42	5.158	5.147	5.167	VV	419	4704		
43	5.194	5.167	5.211	VV	696	11880	0.18%	0.012%
44	5.224	5.211	5.235	VV	478	5207	0.08%	0.005%
45	5.249	5.235	5.266	VV	491	7195	0.11%	0.007%
46	5.279	5.266	5.311	VV	409	9349	0.15%	0.009%
47	5.333	5.311	5.411	VV	5455	90043	1.40%	0.089%
48	5.429	5.411	5.439	VV	401	5373	0.08%	0.005%
49	5.453	5.439	5.467	VV	388	5914	0.09%	0.006%
50	5.511	5.467	5.539	VV	1893	31888	0.49%	0.031%
51	5.585	5.539	5.599	VV	622	13790	0.21%	0.014%
52	5.623	5.599	5.660	VV	1337	27639	0.43%	0.027%
53	5.678	5.660	5.691	VV	677	9222	0.14%	0.009%
54	5.718	5.691	5.755	VV	1280	24988	0.39%	0.025%
55	5.785	5.755	5.804	VV	857	16831	0.26%	0.017%
56	5.835	5.804	5.850	VV	781	18013	0.28%	0.018%
57	5.879	5.850	5.905	VV	2151	42707	0.66%	0.042%
58	5.928	5.905	5.951	VV	2315	38461	0.60%	0.038%
59	5.971	5.951	5.998	VV	2518	36722	0.57%	0.036%
60	6.033	5.998	6.048	VV	2301	38752	0.60%	0.038%
61	6.058	6.048	6.081	VV	1689	25601	0.40%	0.025%
62	6.117	6.081	6.128	VV	1001	24413	0.38%	0.024%
63	6.144	6.128	6.170	VV	1891	29599	0.46%	0.029%
64	6.195	6.170	6.219	VV	1541	33853	0.53%	0.033%
65	6.238	6.219	6.261	VV	1586	28556	0.44%	0.028%
66	6.313	6.261	6.382	VV	427574	4348024	67.44%	4.274%
67	6.402	6.382	6.423	VV	1813	37403	0.58%	0.037%
68	6.460	6.423	6.488	VV	6870	114020	1.77%	0.112%
69	6.497	6.488	6.518	VV	1677	26067	0.40%	0.026%
70	6.530	6.518	6.553	VV	2089	31540	0.49%	0.031%
71	6.572	6.553	6.606	VV	1613	40658	0.63%	0.040%
72	6.631	6.606	6.654	VV	2844	52704	0.82%	0.052%
73	6.666	6.654	6.679	VV	1685	21496	0.33%	0.021%
74	6.695	6.679	6.733	VV	1623	42308	0.66%	0.042%
75	6.754	6.733	6.784	VV	1996	47561	0.74%	0.047%
76	6.807	6.784	6.817	VV	3185	48406	0.75%	0.048%
77	6.827	6.817	6.846	VV	3109	43397	0.67%	0.043%
78	6.868	6.846	6.893	VV	3279	62034	0.96%	0.061%
79	6.912	6.893	6.951	VV	3774	85645	1.33%	0.084%
80	6.968	6.951	6.988	VV	3289	49965	0.78%	0.049%
81	7.011	6.988	7.047	VV	6960	117377	1.82%	0.115%
82	7.065	7.047	7.074	VV	2065	30989	0.48%	0.030%
83	7.107	7.074	7.126	VV	3554	86730	1.35%	0.085%
84	7.149	7.126	7.162	VV	2451	49232	0.76%	0.048%
85	7.179	7.162	7.208	VV	3724	78030	1.21%	0.077%
86	7.232	7.208	7.260	VV	20761	255487	3.96%	0.251%
87	7.283	7.260	7.307	VV	2259	57840	0.90%	0.057%
88	7.323	7.307	7.334	VV	2534	36124	0.56%	0.036%
89	7.353	7.334	7.377	VV	2896	65115	1.01%	0.064%

8

Instrument :
FID_C
ClientSampleId :
SB-02MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

A B C D E F G H I J

rteres

90	7.404	7.377	7.431	VV	5535	108205	1.68%	0.106%
91	7.447	7.431	7.468	VV	2101	41473		
92	7.492	7.468	7.506	VV	2902	51441		
93	7.516	7.506	7.531	VV	2505	35168		
94	7.566	7.531	7.583	VV	4239	92259		
95	7.597	7.583	7.632	VV	3272	71922		
96	7.655	7.632	7.671	VV	4642	73946	1.15%	0.073%
97	7.686	7.671	7.697	VV	3990	54913	0.85%	0.054%
98	7.708	7.697	7.728	VV	4085	59464	0.92%	0.058%
99	7.752	7.728	7.771	VV	4329	81183	1.26%	0.080%
100	7.797	7.771	7.822	VV	7046	123865	1.92%	0.122%
101	7.853	7.822	7.876	VV	5235	104819	1.63%	0.103%
102	7.891	7.876	7.900	VV	2421	30879	0.48%	0.030%
103	7.922	7.900	7.948	VV	11191	153175	2.38%	0.151%
104	7.969	7.948	7.991	VV	2926	62698	0.97%	0.062%
105	8.009	7.991	8.029	VV	3371	57561	0.89%	0.057%
106	8.103	8.029	8.136	VV	469479	5075832	78.73%	4.989%
107	8.149	8.136	8.176	VV	4244	75778	1.18%	0.074%
108	8.195	8.176	8.234	VV	2956	85853	1.33%	0.084%
109	8.251	8.234	8.271	VV	3319	58199	0.90%	0.057%
110	8.294	8.271	8.323	VV	2250	64907	1.01%	0.064%
111	8.340	8.323	8.360	VV	1984	41200	0.64%	0.040%
112	8.372	8.360	8.381	VV	1835	21929	0.34%	0.022%
113	8.402	8.381	8.437	VV	5060	100134	1.55%	0.098%
114	8.454	8.437	8.494	VV	3133	81419	1.26%	0.080%
115	8.515	8.494	8.533	VV	2425	50103	0.78%	0.049%
116	8.548	8.533	8.570	VV	2944	48502	0.75%	0.048%
117	8.589	8.570	8.605	VV	2676	44224	0.69%	0.043%
118	8.636	8.605	8.664	VV	8681	138301	2.15%	0.136%
119	8.688	8.664	8.734	VV	2462	65097	1.01%	0.064%
120	8.755	8.734	8.768	VV	1276	21743	0.34%	0.021%
121	8.783	8.768	8.798	VV	1565	22701	0.35%	0.022%
122	8.820	8.798	8.839	VV	2470	40555	0.63%	0.040%
123	8.856	8.839	8.876	VV	1808	32990	0.51%	0.032%
124	8.921	8.876	8.988	VV	12127	205194	3.18%	0.202%
125	9.005	8.988	9.028	VV	1342	23811	0.37%	0.023%
126	9.053	9.028	9.090	VV	803	24260	0.38%	0.024%
127	9.112	9.090	9.134	VV	897	18036	0.28%	0.018%
128	9.157	9.134	9.190	VV	757	22188	0.34%	0.022%
129	9.218	9.190	9.261	VV	929	25752	0.40%	0.025%
130	9.293	9.261	9.322	VV	2193	41518	0.64%	0.041%
131	9.339	9.322	9.358	VV	1106	17756	0.28%	0.017%
132	9.376	9.358	9.402	VV	910	16710	0.26%	0.016%
133	9.429	9.402	9.454	VV	1148	23750	0.37%	0.023%
134	9.477	9.454	9.514	VV	2640	37014	0.57%	0.036%
135	9.532	9.514	9.560	VV	520	8685	0.13%	0.009%
136	9.617	9.560	9.660	VV	590	22619	0.35%	0.022%
137	9.700	9.660	9.818	VV	464645	5186812	80.46%	5.098%
138	9.824	9.818	9.849	VV	381	5685	0.09%	0.006%
139	9.867	9.849	9.955	VV	376	12725	0.20%	0.013%
140	9.976	9.955	9.998	VV	236	4253	0.07%	0.004%
141	10.016	9.998	10.031	VV	315	3928	0.06%	0.004%

8

Instrument :
FID_C
ClientSampleId :
SB-02MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

A B C D E F G H I J

rteres

142	10.046	10.031	10.056	VV	226	3169	0.05%	0.003%
143	10.086	10.056	10.112	VV	791	15295	[illegible]	
144	10.131	10.112	10.148	VV	324	5055	[illegible]	
145	10.173	10.148	10.214	VV	273	7903	[illegible]	
146	10.229	10.214	10.281	VV	204	5169	[illegible]	
147	10.293	10.281	10.308	VV	182	2343	[illegible]	
148	10.325	10.308	10.344	VV	271	4131	0.06%	0.004%
149	10.365	10.344	10.398	VV	393	8561	0.13%	0.008%
150	10.433	10.398	10.478	VV	1147	21959	0.34%	0.022%
151	10.502	10.478	10.541	VV	576	14320	0.22%	0.014%
152	10.561	10.541	10.588	VV	658	10212	0.16%	0.010%
153	10.617	10.588	10.638	VV	233	4271	0.07%	0.004%
154	10.652	10.638	10.696	VV	238	3839	0.06%	0.004%
155	10.755	10.696	10.787	PV	270	7515	0.12%	0.007%
156	10.806	10.787	10.840	VV	381	8292	0.13%	0.008%
157	10.857	10.840	10.876	VV	281	4691	0.07%	0.005%
158	10.888	10.876	10.914	VV	208	2730	0.04%	0.003%
159	10.940	10.914	10.984	VV	1765	21630	0.34%	0.021%
160	10.992	10.984	11.033	VV	104	1518	0.02%	0.001%
161	11.066	11.033	11.097	VV	1404	19472	0.30%	0.019%
162	11.138	11.097	11.211	VV	442999	5337880	82.80%	5.247%
163	11.229	11.211	11.276	VV	642	12141	0.19%	0.012%
164	11.285	11.276	11.314	VV	112	1666	0.03%	0.002%
165	11.325	11.314	11.338	VV	120	1270	0.02%	0.001%
166	11.341	11.338	11.348	VV	99	453	0.01%	0.000%
167	11.367	11.348	11.398	VV	171	2235	0.03%	0.002%
168	11.427	11.398	11.470	PV	192	6158	0.10%	0.006%
169	11.483	11.470	11.503	VV	161	2806	0.04%	0.003%
170	11.523	11.503	11.538	VV	352	5370	0.08%	0.005%
171	11.547	11.538	11.571	VV	337	4471	0.07%	0.004%
172	11.589	11.571	11.674	VV	397	10096	0.16%	0.010%
173	11.712	11.674	11.718	VV	142	2845	0.04%	0.003%
174	11.738	11.718	11.754	VV	181	3469	0.05%	0.003%
175	11.801	11.754	11.828	VV	695	16470	0.26%	0.016%
176	11.854	11.828	11.868	VV	311	5073	0.08%	0.005%
177	11.884	11.868	11.910	VV	260	4477	0.07%	0.004%
178	11.937	11.910	11.948	VV	274	4648	0.07%	0.005%
179	11.956	11.948	11.979	VV	268	3419	0.05%	0.003%
180	12.006	11.979	12.051	VV	488	12546	0.19%	0.012%
181	12.077	12.051	12.107	VV	492	11206	0.17%	0.011%
182	12.123	12.107	12.164	VV	422	9551	0.15%	0.009%
183	12.182	12.164	12.194	VV	173	2604	0.04%	0.003%
184	12.265	12.194	12.288	VV	1559	32681	0.51%	0.032%
185	12.303	12.288	12.341	VV	830	13639	0.21%	0.013%
186	12.351	12.341	12.361	PV	193	1403	0.02%	0.001%
187	12.381	12.361	12.404	VV	950	13059	0.20%	0.013%
188	12.445	12.404	12.536	VV	440377	5383749	83.51%	5.292%
189	12.561	12.536	12.608	VV	423	10673	0.17%	0.010%
190	12.618	12.608	12.674	VV	134	3343	0.05%	0.003%
191	12.717	12.674	12.742	VV	191	5080	0.08%	0.005%
192	12.886	12.742	12.982	PV	420805	5117660	79.38%	5.030%
193	12.998	12.982	13.012	VV	404	6333	0.10%	0.006%
194	13.055	13.012	13.219	VV	421592	5115418	79.35%	5.028%

8

Instrument :
FID_C
ClientSampleId :
SB-02MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

A B C D E F G H I J

rteres

195	13.249	13.219	13.261	VV	239	4516	0.07%	0.004%
196	13.274	13.261	13.301	VV	219	4785		
197	13.338	13.301	13.381	VV	301	9901		
198	13.429	13.381	13.454	VV	613	11787		
199	13.481	13.454	13.537	VV	853	19620		
200	13.585	13.537	13.601	VV	881	14732		
201	13.640	13.601	13.806	VV	399017	5031964	78.05%	4.946%
202	13.870	13.806	13.956	PV	310	15031	0.23%	0.015%
203	13.969	13.956	13.998	VV	188	2778	0.04%	0.003%
204	14.011	13.998	14.020	VV	180	1156	0.02%	0.001%
205	14.029	14.020	14.034	VV	163	861	0.01%	0.001%
206	14.073	14.034	14.099	VV	1334	20118	0.31%	0.020%
207	14.108	14.099	14.118	VV	198	1780	0.03%	0.002%
208	14.127	14.118	14.147	VV	172	2158	0.03%	0.002%
209	14.198	14.147	14.244	PV	1177	19796	0.31%	0.019%
210	14.269	14.244	14.306	VV	212	5624	0.09%	0.006%
211	14.358	14.306	14.390	VV	251	7405	0.11%	0.007%
212	14.403	14.390	14.439	VV	146	3866	0.06%	0.004%
213	14.453	14.439	14.465	VV	134	1265	0.02%	0.001%
214	14.484	14.465	14.503	VV	186	2450	0.04%	0.002%
215	14.516	14.503	14.534	VV	138	1437	0.02%	0.001%
216	14.587	14.534	14.620	VV	263	7399	0.11%	0.007%
217	14.740	14.620	14.870	VV	375829	4861790	75.41%	4.779%
218	14.928	14.870	14.961	VV	217	5739	0.09%	0.006%
219	14.994	14.961	15.017	VV	139	2851	0.04%	0.003%
220	15.045	15.017	15.060	VV	122	1558	0.02%	0.002%
221	15.119	15.060	15.128	PV	285	4656	0.07%	0.005%
222	15.161	15.128	15.208	VV	363	9142	0.14%	0.009%
223	15.256	15.208	15.294	VV	2219	33596	0.52%	0.033%
224	15.308	15.294	15.329	VV	258	3753	0.06%	0.004%
225	15.439	15.329	15.461	VV	238	5292	0.08%	0.005%
226	15.488	15.461	15.508	VV	141	2603	0.04%	0.003%
227	15.517	15.508	15.537	VV	122	923	0.01%	0.001%
228	15.590	15.537	15.609	PV	213	6745	0.10%	0.007%
229	15.629	15.609	15.683	VV	266	7018	0.11%	0.007%
230	15.759	15.683	15.874	VV	353775	4702134	72.94%	4.622%
231	15.895	15.874	15.917	VV	287	4571	0.07%	0.004%
232	15.931	15.917	15.955	VV	234	4318	0.07%	0.004%
233	15.962	15.955	15.978	VV	181	2220	0.03%	0.002%
234	15.981	15.978	16.027	VV	182	2245	0.03%	0.002%
235	16.068	16.027	16.079	PV	262	4840	0.08%	0.005%
236	16.113	16.079	16.137	VV	265	5744	0.09%	0.006%
237	16.174	16.137	16.183	VV	188	2581	0.04%	0.003%
238	16.238	16.183	16.281	VV	2713	40299	0.63%	0.040%
239	16.316	16.281	16.348	VV	247	6691	0.10%	0.007%
240	16.362	16.348	16.370	PV	99	951	0.01%	0.001%
241	16.404	16.370	16.419	VV	310	5725	0.09%	0.006%
242	16.429	16.419	16.458	VV	233	4271	0.07%	0.004%
243	16.476	16.458	16.498	VV	193	3482	0.05%	0.003%
244	16.596	16.498	16.644	VV	523	21032	0.33%	0.021%
245	16.707	16.644	16.773	VV	332320	4567260	70.85%	4.489%
246	16.804	16.773	16.817	VV	195	4097	0.06%	0.004%

Instrument :
FID_C
ClientSampleId :
SB-02MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/23/2024
Supervised By :Ankita Jodhani 12/27/2024

rteres

247	16.855	16.817	16.888	VV	190	4919	0.08%	0.005%
248	17.042	16.888	17.067	PV	160	10096		
249	17.153	17.067	17.185	VV	2962	46576		
250	17.195	17.185	17.210	VV	134	1308		
251	17.262	17.210	17.284	PV	270	6355		
252	17.481	17.284	17.512	VV	3605	54240		
253	17.593	17.512	17.651	PV	323515	4565675	70.82%	4.488%
254	17.659	17.651	17.665	VV	229	1543	0.02%	0.002%
255	17.719	17.665	17.731	VV	225	6796	0.11%	0.007%
256	17.744	17.731	17.764	VV	196	2493	0.04%	0.002%
257	17.875	17.764	17.901	PV	329	6529	0.10%	0.006%
258	17.911	17.901	17.920	VV	128	962	0.01%	0.001%
259	18.011	17.920	18.055	PV	3312	50022	0.78%	0.049%
260	18.093	18.055	18.104	VV	124	3125	0.05%	0.003%
261	18.424	18.104	18.480	PV	307527	4476217	69.43%	4.400%
262	18.817	18.480	18.848	PV	2722	26761	0.42%	0.026%
263	19.206	18.848	19.250	PV	299336	4359803	67.63%	4.286%
264	19.580	19.250	19.594	VV	3204	180705	2.80%	0.178%
265	19.646	19.594	19.724	VV	5378	296038	4.59%	0.291%
266	19.945	19.724	19.987	VV	299391	4790550	74.31%	4.709%
267	20.298	19.987	20.319	VV	8465	1168005	18.12%	1.148%
268	20.660	20.319	20.714	VV	260563	6446805	100.00%	6.337%
269	20.827	20.714	20.851	VV	9809	821703	12.75%	0.808%
270	20.864	20.851	20.908	VV	9352	309878	4.81%	0.305%
271	20.914	20.908	20.951	VV	8625	220952	3.43%	0.217%
272	20.997	20.951	21.028	VV	7824	358274	5.56%	0.352%
273	21.066	21.028	21.112	VV	7712	369373	5.73%	0.363%
274	21.119	21.112	21.128	VV	6600	63319	0.98%	0.062%
275	21.528	21.128	21.644	VV	182085	5513976	85.53%	5.420%
276	21.666	21.644	21.685	VV	2257	54354	0.84%	0.053%
277	21.715	21.685	21.728	VV	1709	45096	0.70%	0.044%
278	21.867	21.728	21.881	VV	377	76422	1.19%	0.075%

Sum of corrected areas: 101732722

Aliphatic EPH 121024.M Sat Dec 21 02:44:47 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048907.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 17:03
Operator : YP/AJ
Sample : P5299-04MSD
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
SB-02MSD

Integration File: autoint1.e
Quant Time: Dec 21 04:06:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
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...	7.362	10138982	60.195 ug/ml
Spiked Amount	50.000		Recovery =	120.39%
6) S	2-Flurobiphenyl (SURR)	8.212	6604556	63.931 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	127.86%
11) S	ortho-Terphenyl (SURR)	11.246	6325440	35.604 ug/ml
Spiked Amount	50.000		Recovery =	71.21%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.184	6617523	34.951 ug/ml
2) T	Naphthalene (C11.7)	5.701	7339717	38.411 ug/ml
3) T	2-Methylnaphthalene (...	6.747	7083980	38.337 ug/ml
5) T	Acenaphthylene (C15.06)	8.014	7969509	42.702 ug/ml
7) T	Acenaphthene (C15.5)	8.310	8688275	46.652 ug/ml
8) T	Flouorene (C16.55)	9.087	8727531	48.842 ug/ml
9) T	Phenanthrene (C19.36)	10.475	8730455	52.270 ug/ml
10) T	Anthracene (C19.43)	10.552	8872725	52.278 ug/ml
12) T	Fluoranthene (C21.85)	12.281	8747915	53.443 ug/ml
13) T	Pyrene (C20.8)	12.574	8560803	52.636 ug/ml
14) T	Benzo[a]anthracene (C...	14.445	7789443	58.962 ug/ml
15) T	Chrysene (C27.41)	14.487	7717598	47.805 ug/ml
16) T	benzo[b]fluoranthene ...	15.994	7842202	58.251 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.028	7897196	51.846 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.370	7573436	54.757 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.738	7611290	71.421 ug/ml
20) T	Dibenz[a,h]anthracene...	17.774	7608904	52.465 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.990	7539269	53.772 ug/ml

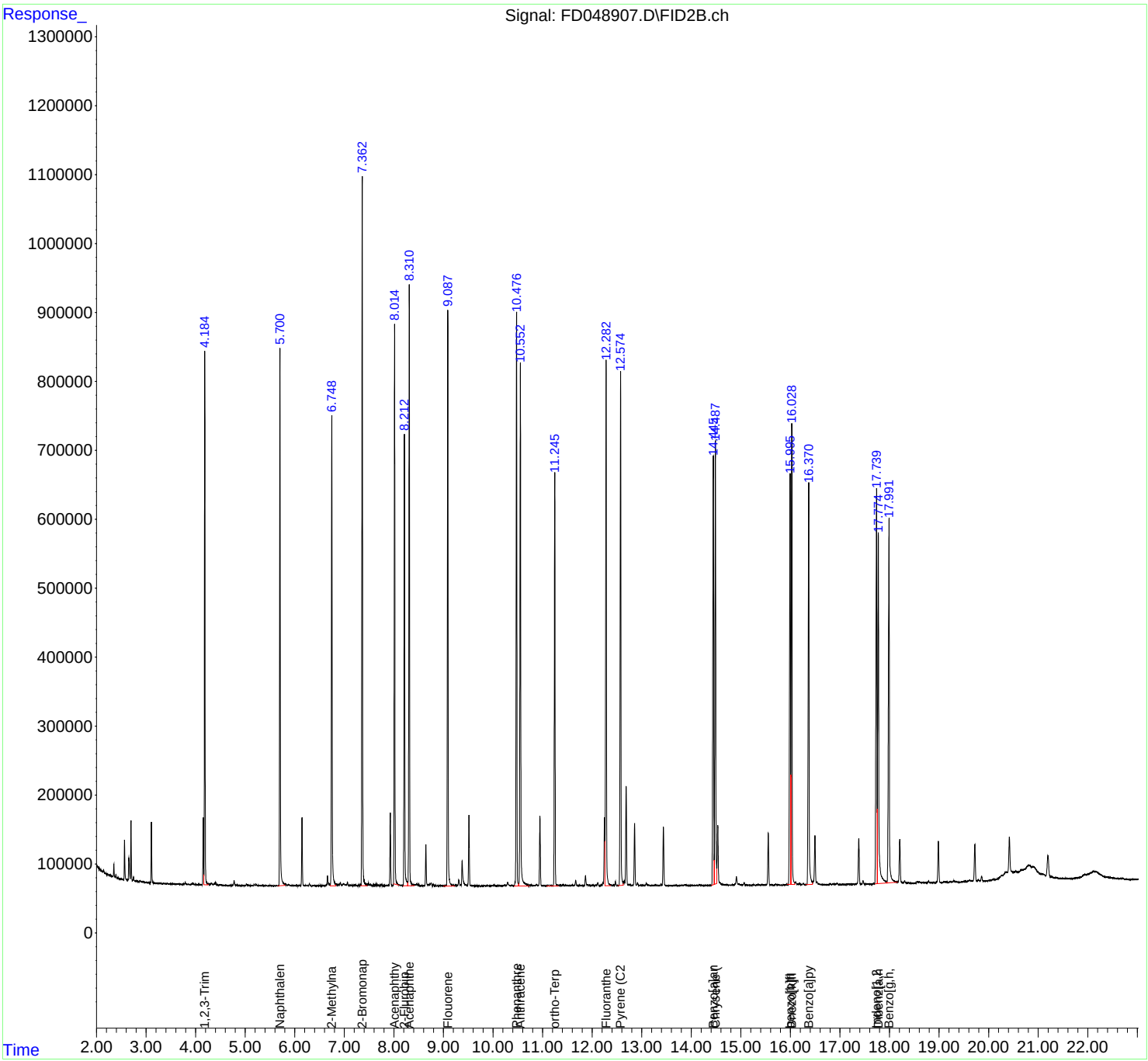
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048907.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 17:03
Operator : YP/AJ
Sample : P5299-04MSD
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
SB-02MSD

Integration File: autoint1.e
Quant Time: Dec 21 04:06:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M
Quant Title : GC Extractables
QLast Update : Tue Dec 10 06:07:50 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD122024AR\
Data File : FD048907.D
Signal(s) : FID2B.ch
Acq On : 20 Dec 2024 17:03
Sample : P5299-04MSD
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.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	4.057	4.042	4.107	BV	553	10212	0.10%	0.005%
2	4.112	4.107	4.125	VV	229	1834	0.02%	0.001%
3	4.154	4.125	4.167	VV	97433	859409	8.44%	0.453%
4	4.184	4.167	4.252	VV	773932	6627207	65.10%	3.492%
5	4.260	4.252	4.282	VV	2014	27869	0.27%	0.015%
6	4.284	4.282	4.304	VV	1122	11605	0.11%	0.006%
7	4.321	4.304	4.358	VV	3297	57314	0.56%	0.030%
8	4.377	4.358	4.390	VV	2658	32835	0.32%	0.017%
9	4.405	4.390	4.438	VV	4459	52190	0.51%	0.028%
10	4.447	4.438	4.467	VV	511	6236	0.06%	0.003%
11	4.481	4.467	4.505	VV	1062	15003	0.15%	0.008%
12	4.520	4.505	4.572	VV	1116	14526	0.14%	0.008%
13	4.592	4.572	4.632	VV	732	14146	0.14%	0.007%
14	4.643	4.632	4.666	VV	335	3059	0.03%	0.002%
15	4.672	4.666	4.682	VV	499	1752	0.02%	0.001%
16	4.697	4.682	4.708	PV	609	6173	0.06%	0.003%
17	4.713	4.708	4.727	VV	601	3192	0.03%	0.002%
18	4.733	4.727	4.739	VV	392	1910	0.02%	0.001%
19	4.776	4.739	4.815	VV	7631	112654	1.11%	0.059%
20	4.833	4.815	4.866	VV	1841	23337	0.23%	0.012%
21	4.875	4.866	4.925	VV	516	10704	0.11%	0.006%
22	4.929	4.925	4.945	VV	467	3267	0.03%	0.002%
23	4.974	4.945	5.001	VV	531	9964	0.10%	0.005%
24	5.027	5.001	5.051	VV	2457	38075	0.37%	0.020%
25	5.054	5.051	5.084	VV	942	14379	0.14%	0.008%

rteres

26	5.089	5.084	5.102	VV	574	4775	0.05%	0.003%
27	5.105	5.102	5.131	VV	530	6459	0.06%	0.003%
28	5.139	5.131	5.144	VV	576	3093	0.03%	0.002%
29	5.147	5.144	5.161	VV	591	3513	0.03%	0.002%
30	5.180	5.161	5.203	VV	2414	31560	0.31%	0.017%
31	5.218	5.203	5.246	VV	2482	30161	0.30%	0.016%
32	5.274	5.246	5.308	VV	972	16923	0.17%	0.009%
33	5.341	5.308	5.379	VV	691	17640	0.17%	0.009%
34	5.392	5.387	5.407	VV	383	1439	0.01%	0.001%
35	5.420	5.407	5.445	VV	436	4153	0.04%	0.002%
36	5.465	5.445	5.479	PV	830	7830	0.08%	0.004%
37	5.517	5.479	5.533	VV	608	9601	0.09%	0.005%
38	5.544	5.533	5.570	VV	445	5256	0.05%	0.003%
39	5.577	5.570	5.589	VV	218	1351	0.01%	0.001%
40	5.597	5.589	5.606	VV	314	1326	0.01%	0.001%
41	5.617	5.606	5.653	VV	394	8601	0.08%	0.005%
42	5.701	5.653	5.800	VV	779313	7387839	72.57%	3.893%
43	5.814	5.800	5.856	VV	3229	67798	0.67%	0.036%
44	5.877	5.856	5.914	VV	2288	49252	0.48%	0.026%
45	5.925	5.914	5.929	VV	948	7288	0.07%	0.004%
46	5.947	5.929	5.970	VV	1114	19214	0.19%	0.010%
47	5.975	5.970	5.989	VV	651	5818	0.06%	0.003%
48	5.993	5.989	6.009	VV	496	3365	0.03%	0.002%
49	6.027	6.009	6.042	VV	714	9436	0.09%	0.005%
50	6.047	6.042	6.084	VV	592	10415	0.10%	0.005%
51	6.092	6.084	6.099	VV	527	2543	0.02%	0.001%
52	6.101	6.099	6.121	VV	647	3616	0.04%	0.002%
53	6.147	6.121	6.207	VV	99412	989531	9.72%	0.521%
54	6.229	6.207	6.248	VV	1194	17168	0.17%	0.009%
55	6.266	6.248	6.278	VV	1097	11845	0.12%	0.006%
56	6.296	6.278	6.316	VV	3360	39418	0.39%	0.021%
57	6.323	6.316	6.345	VV	723	6619	0.07%	0.003%
58	6.368	6.345	6.388	PV	1351	15919	0.16%	0.008%
59	6.393	6.388	6.435	VV	535	9795	0.10%	0.005%
60	6.459	6.435	6.498	PV	984	10453	0.10%	0.006%
61	6.526	6.498	6.567	VV	670	12383	0.12%	0.007%
62	6.585	6.567	6.612	VV	1205	16274	0.16%	0.009%
63	6.661	6.612	6.716	VV	14886	237752	2.34%	0.125%
64	6.748	6.716	6.827	VV	680541	7106611	69.80%	3.745%
65	6.845	6.827	6.877	VV	3777	66814	0.66%	0.035%
66	6.921	6.877	6.950	VV	5229	105685	1.04%	0.056%
67	6.982	6.950	7.017	VV	3559	88040	0.86%	0.046%
68	7.032	7.017	7.045	VV	2130	30746	0.30%	0.016%
69	7.064	7.045	7.087	VV	5702	71416	0.70%	0.038%

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70	7.119	7.087	7.138	VV	1310	29439	0.29%	0.016%
71	7.154	7.138	7.185	VV	1668	26992	0.27%	0.014%
72	7.234	7.185	7.254	VV	2002	40902	0.40%	0.022%
73	7.277	7.254	7.282	VV	798	10802	0.11%	0.006%
74	7.283	7.282	7.294	VV	831	3446	0.03%	0.002%
75	7.322	7.294	7.335	VV	2216	31458	0.31%	0.017%
76	7.362	7.335	7.462	VV	1029584	10180705	100.00%	5.365%
77	7.469	7.462	7.482	VV	2549	26337	0.26%	0.014%
78	7.489	7.482	7.504	VV	3021	29198	0.29%	0.015%
79	7.507	7.504	7.572	VV	2491	55682	0.55%	0.029%
80	7.588	7.572	7.604	VV	1188	18096	0.18%	0.010%
81	7.606	7.604	7.610	VV	1290	3754	0.04%	0.002%
82	7.628	7.610	7.647	VV	2415	33109	0.33%	0.017%
83	7.648	7.647	7.658	VV	1573	5701	0.06%	0.003%
84	7.664	7.658	7.669	VV	1350	5625	0.06%	0.003%
85	7.681	7.669	7.699	VV	1470	17622	0.17%	0.009%
86	7.724	7.699	7.729	VV	1226	13147	0.13%	0.007%
87	7.749	7.729	7.775	VV	2767	37993	0.37%	0.020%
88	7.782	7.775	7.824	VV	1056	20986	0.21%	0.011%
89	7.834	7.824	7.849	VV	1396	14249	0.14%	0.008%
90	7.854	7.849	7.881	VV	782	14009	0.14%	0.007%
91	7.889	7.881	7.898	VV	1028	8471	0.08%	0.004%
92	7.927	7.898	7.967	VV	106670	1103760	10.84%	0.582%
93	7.974	7.967	7.984	VV	1306	9845	0.10%	0.005%
94	8.014	7.984	8.110	VV	813747	8135450	79.91%	4.287%
95	8.119	8.110	8.142	VV	1681	26580	0.26%	0.014%
96	8.157	8.142	8.183	VV	1279	24512	0.24%	0.013%
97	8.212	8.183	8.281	VV	655200	6643271	65.25%	3.501%
98	8.310	8.281	8.404	VV	872943	8721719	85.67%	4.596%
99	8.415	8.404	8.430	VV	1893	26150	0.26%	0.014%
100	8.459	8.430	8.499	VV	3381	79619	0.78%	0.042%
101	8.506	8.499	8.511	VV	1465	7207	0.07%	0.004%
102	8.520	8.511	8.545	VV	914	14936	0.15%	0.008%
103	8.548	8.545	8.552	VV	517	2030	0.02%	0.001%
104	8.570	8.552	8.599	VV	1015	19231	0.19%	0.010%
105	8.603	8.599	8.615	VV	789	5946	0.06%	0.003%
106	8.645	8.615	8.675	VV	60527	626434	6.15%	0.330%
107	8.678	8.675	8.691	VV	2139	16764	0.16%	0.009%
108	8.697	8.691	8.707	VV	1756	14727	0.14%	0.008%
109	8.719	8.707	8.730	VV	2409	26224	0.26%	0.014%
110	8.749	8.730	8.780	VV	4419	82650	0.81%	0.044%
111	8.796	8.780	8.819	VV	2081	31623	0.31%	0.017%
112	8.829	8.819	8.854	VV	1006	13668	0.13%	0.007%

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113	8.877	8.863	8.899	VV	574	6926	0.07%	0.004%
114	8.903	8.899	8.909	VV	230	1398	0.01%	0.001%
115	8.937	8.909	8.957	VV	1247	19416	0.19%	0.010%
116	8.967	8.957	8.995	VV	758	9799	0.10%	0.005%
117	9.025	8.995	9.037	VV	618	8760	0.09%	0.005%
118	9.049	9.037	9.058	VV	1185	9468	0.09%	0.005%
119	9.088	9.058	9.226	VV	831276	8727688	85.73%	4.599%
120	9.245	9.226	9.265	VV	1808	26015	0.26%	0.014%
121	9.309	9.265	9.343	VV	9150	148285	1.46%	0.078%
122	9.347	9.343	9.357	VV	1842	12265	0.12%	0.006%
123	9.377	9.357	9.488	VV	36807	597850	5.87%	0.315%
124	9.515	9.488	9.548	VV	103313	1117018	10.97%	0.589%
125	9.553	9.548	9.565	VV	821	6675	0.07%	0.004%
126	9.585	9.565	9.642	VV	856	22730	0.22%	0.012%
127	9.650	9.642	9.658	VV	342	2141	0.02%	0.001%
128	9.667	9.658	9.675	VV	485	2685	0.03%	0.001%
129	9.686	9.675	9.704	VV	605	4147	0.04%	0.002%
130	9.713	9.704	9.719	VV	289	2123	0.02%	0.001%
131	9.729	9.719	9.746	VV	551	3924	0.04%	0.002%
132	9.764	9.746	9.779	PV	262	3849	0.04%	0.002%
133	9.788	9.779	9.796	VV	271	2065	0.02%	0.001%
134	9.836	9.796	9.850	VV	826	13815	0.14%	0.007%
135	9.864	9.850	9.869	VV	430	3800	0.04%	0.002%
136	9.878	9.869	9.899	VV	622	8441	0.08%	0.004%
137	9.901	9.899	9.904	VV	593	1642	0.02%	0.001%
138	9.909	9.904	9.924	VV	656	6075	0.06%	0.003%
139	9.931	9.924	9.944	VV	693	7141	0.07%	0.004%
140	9.947	9.944	9.967	VV	612	5860	0.06%	0.003%
141	9.969	9.967	9.988	VV	592	5146	0.05%	0.003%
142	9.994	9.988	10.000	VV	441	2588	0.03%	0.001%
143	10.019	10.000	10.037	VV	1543	15219	0.15%	0.008%
144	10.040	10.037	10.062	VV	638	5355	0.05%	0.003%
145	10.106	10.062	10.123	VV	865	20556	0.20%	0.011%
146	10.138	10.123	10.165	VV	528	9569	0.09%	0.005%
147	10.181	10.165	10.195	VV	818	10112	0.10%	0.005%
148	10.245	10.195	10.270	VV	1451	41117	0.40%	0.022%
149	10.298	10.270	10.352	VV	5480	105905	1.04%	0.056%
150	10.372	10.352	10.417	VV	1438	27644	0.27%	0.015%
151	10.476	10.417	10.520	VV	833426	8742349	85.87%	4.607%
152	10.552	10.520	10.745	VV	758380	8888767	87.31%	4.684%
153	10.752	10.745	10.782	VV	1232	22808	0.22%	0.012%
154	10.788	10.782	10.832	VV	958	20586	0.20%	0.011%
155	10.880	10.832	10.912	VV	1762	49964	0.49%	0.026%

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156	10.947	10.912	10.985	VV	101419	1140185	11.20%	0.601%
157	10.991	10.985	11.002	VV	625	4516	0.04%	0.002%
158	11.032	11.002	11.077	VV	788	21321	0.21%	0.011%
159	11.173	11.077	11.214	VV	662	24008	0.24%	0.013%
160	11.246	11.214	11.314	VV	600375	6312316	62.00%	3.327%
161	11.332	11.314	11.343	VV	1109	16262	0.16%	0.009%
162	11.366	11.343	11.394	VV	1413	29212	0.29%	0.015%
163	11.416	11.394	11.450	VV	1914	35731	0.35%	0.019%
164	11.464	11.450	11.480	VV	1143	14625	0.14%	0.008%
165	11.502	11.480	11.530	VV	890	20944	0.21%	0.011%
166	11.544	11.530	11.557	VV	616	8172	0.08%	0.004%
167	11.604	11.557	11.635	VV	1329	41243	0.41%	0.022%
168	11.668	11.635	11.698	VV	8339	116702	1.15%	0.062%
169	11.706	11.698	11.728	VV	899	11308	0.11%	0.006%
170	11.741	11.728	11.789	VV	795	22282	0.22%	0.012%
171	11.827	11.789	11.844	VV	1152	26189	0.26%	0.014%
172	11.865	11.844	11.930	VV	14908	233016	2.29%	0.123%
173	11.940	11.930	11.963	VV	1197	19036	0.19%	0.010%
174	11.988	11.963	12.002	VV	1028	18446	0.18%	0.010%
175	12.012	12.002	12.059	VV	1057	26422	0.26%	0.014%
176	12.081	12.059	12.097	VV	1314	23790	0.23%	0.013%
177	12.115	12.097	12.142	VV	5088	62457	0.61%	0.033%
178	12.151	12.142	12.169	VV	582	7830	0.08%	0.004%
179	12.189	12.169	12.200	VV	1628	22518	0.22%	0.012%
180	12.249	12.200	12.259	VV	99552	1102977	10.83%	0.581%
181	12.281	12.259	12.418	VV	765190	8755128	86.00%	4.614%
182	12.433	12.418	12.449	VV	900	14152	0.14%	0.007%
183	12.469	12.449	12.514	VV	6469	89972	0.88%	0.047%
184	12.574	12.514	12.628	VV	746758	8616603	84.64%	4.541%
185	12.645	12.628	12.660	VV	7381	112264	1.10%	0.059%
186	12.686	12.660	12.724	VV	143995	1795596	17.64%	0.946%
187	12.741	12.724	12.752	VV	1780	25376	0.25%	0.013%
188	12.768	12.752	12.823	VV	1592	47288	0.46%	0.025%
189	12.857	12.823	12.891	VV	91085	1073891	10.55%	0.566%
190	12.915	12.891	13.029	VV	4865	114851	1.13%	0.061%
191	13.051	13.029	13.069	VV	1049	19843	0.19%	0.010%
192	13.092	13.069	13.171	VV	3983	93873	0.92%	0.049%
193	13.189	13.171	13.214	VV	589	13323	0.13%	0.007%
194	13.269	13.214	13.297	VV	1237	38627	0.38%	0.020%
195	13.313	13.297	13.344	VV	1017	20764	0.20%	0.011%
196	13.391	13.344	13.412	VV	2303	45241	0.44%	0.024%
197	13.439	13.412	13.522	VV	85453	1063735	10.45%	0.561%
198	13.547	13.522	13.584	VV	425	9541	0.09%	0.005%
199	13.598	13.584	13.607	PV	267	3074	0.03%	0.002%

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200	13.659	13.607	13.680	VV	630	17090	0.17%	0.009%
201	13.698	13.680	13.752	VV	923	22802	0.22%	0.012%
202	13.762	13.752	13.774	VV	411	3866	0.04%	0.002%
203	13.807	13.774	13.828	VV	721	17464	0.17%	0.009%
204	13.836	13.828	13.854	VV	747	10392	0.10%	0.005%
205	13.874	13.854	13.975	VV	1729	52792	0.52%	0.028%
206	14.003	13.975	14.016	VV	601	11824	0.12%	0.006%
207	14.024	14.016	14.070	VV	546	10728	0.11%	0.006%
208	14.094	14.070	14.127	VV	674	17842	0.18%	0.009%
209	14.165	14.127	14.217	VV	1417	41414	0.41%	0.022%
210	14.225	14.217	14.269	VV	524	10450	0.10%	0.006%
211	14.272	14.269	14.280	VV	344	2228	0.02%	0.001%
212	14.303	14.280	14.332	VV	543	10607	0.10%	0.006%
213	14.345	14.332	14.359	VV	454	5859	0.06%	0.003%
214	14.382	14.359	14.400	VV	527	9900	0.10%	0.005%
215	14.445	14.400	14.463	VV	625689	7824785	76.86%	4.124%
216	14.487	14.463	14.515	VV	644029	7795514	76.57%	4.108%
217	14.535	14.515	14.570	VV	87656	1259167	12.37%	0.664%
218	14.577	14.570	14.617	VV	4653	86071	0.85%	0.045%
219	14.630	14.617	14.680	VV	1958	51899	0.51%	0.027%
220	14.705	14.680	14.750	VV	1156	39514	0.39%	0.021%
221	14.773	14.750	14.815	VV	823	25728	0.25%	0.014%
222	14.832	14.815	14.859	VV	878	17708	0.17%	0.009%
223	14.911	14.859	14.947	VV	12711	232387	2.28%	0.122%
224	14.961	14.947	15.039	VV	1981	68313	0.67%	0.036%
225	15.065	15.039	15.096	VV	4082	64371	0.63%	0.034%
226	15.109	15.096	15.160	VV	850	17767	0.17%	0.009%
227	15.185	15.160	15.204	VV	556	10665	0.10%	0.006%
228	15.253	15.204	15.276	VV	796	19789	0.19%	0.010%
229	15.358	15.276	15.389	VV	1026	35686	0.35%	0.019%
230	15.434	15.389	15.488	VV	950	38580	0.38%	0.020%
231	15.513	15.488	15.524	VV	1368	17688	0.17%	0.009%
232	15.553	15.524	15.597	VV	75518	938487	9.22%	0.495%
233	15.616	15.597	15.677	VV	762	16917	0.17%	0.009%
234	15.708	15.677	15.735	VV	1679	25999	0.26%	0.014%
235	15.754	15.735	15.818	VV	691	16533	0.16%	0.009%
236	15.826	15.818	15.845	PV	167	1717	0.02%	0.001%
237	15.923	15.845	15.957	VV	1449	36288	0.36%	0.019%
238	15.994	15.957	16.009	VV	593690	7857456	77.18%	4.141%
239	16.028	16.009	16.089	VV	670393	7969602	78.28%	4.200%
240	16.106	16.089	16.155	VV	4053	94202	0.93%	0.050%
241	16.179	16.155	16.210	VV	1883	42734	0.42%	0.023%
242	16.216	16.210	16.237	VV	985	14955	0.15%	0.008%

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243	16.260	16.237	16.294	VV	2631	45534	0.45%	0.024%
244	16.370	16.294	16.445	VV	584853	7631300	74.96%	4.022%
245	16.496	16.445	16.524	VV	71776	1066016	10.47%	0.562%
246	16.538	16.524	16.690	VV	4705	117722	1.16%	0.062%
247	16.703	16.690	16.728	VV	345	4668	0.05%	0.002%
248	16.803	16.728	16.830	PV	1357	29222	0.29%	0.015%
249	16.863	16.830	16.897	VV	1175	28641	0.28%	0.015%
250	16.943	16.897	17.000	VV	2205	47150	0.46%	0.025%
251	17.060	17.000	17.105	VV	966	21254	0.21%	0.011%
252	17.148	17.105	17.197	VV	1057	23116	0.23%	0.012%
253	17.271	17.197	17.300	VV	741	23288	0.23%	0.012%
254	17.380	17.300	17.434	VV	66435	913440	8.97%	0.481%
255	17.466	17.434	17.509	VV	5570	89454	0.88%	0.047%
256	17.525	17.509	17.558	VV	618	13714	0.13%	0.007%
257	17.576	17.558	17.617	VV	667	12247	0.12%	0.006%
258	17.674	17.617	17.696	PV	1171	21096	0.21%	0.011%
259	17.738	17.696	17.753	VV	572542	7624299	74.89%	4.018%
260	17.774	17.753	17.949	VV	510333	7714596	75.78%	4.065%
261	17.990	17.949	18.125	VV	528202	7664654	75.29%	4.039%
262	18.132	18.125	18.167	VV	2085	46191	0.45%	0.024%
263	18.207	18.167	18.277	VV	63878	914540	8.98%	0.482%

Sum of corrected areas: 189757909

Aromatic EPH 121024.M Sat Dec 21 05:22:42 2024

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

Manual Integration Report

Sequence:	FC121024AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC067971.D	A~2-methylnaphthalene (C12.89)	yogesh	12/11/2024 8:10:30 AM	Ankita	12/11/2024 9:05:13	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067971.D	n-Tetracontane (C40)	yogesh	12/11/2024 8:10:30 AM	Ankita	12/11/2024 9:05:13	Peak Integrated by Software
PB165523BS	FC067973.D	1-chlorooctadecane (SURR)	yogesh	12/11/2024 8:10:31 AM	Ankita	12/11/2024 9:05:25	Peak Integrated by Software
PB165523BS	FC067973.D	A~2-methylnaphthalene (C12.89)	yogesh	12/11/2024 8:10:31 AM	Ankita	12/11/2024 9:05:25	Peak Integrated by Software
PB165523BS	FC067973.D	n-Hexatriacontane (C36)	yogesh	12/11/2024 8:10:31 AM	Ankita	12/11/2024 9:05:25	Peak Integrated by Software
PB165523BS	FC067973.D	n-Tetracosane (C24)	yogesh	12/11/2024 8:10:31 AM	Ankita	12/11/2024 9:05:25	Peak Integrated by Software
PB165523BSD	FC067974.D	1-chlorooctadecane (SURR)	yogesh	12/11/2024 8:10:33 AM	Ankita	12/11/2024 9:05:15	Peak Integrated by Software
PB165523BSD	FC067974.D	A~2-methylnaphthalene (C12.89)	yogesh	12/11/2024 8:10:33 AM	Ankita	12/11/2024 9:05:15	Peak Integrated by Software
PB165523BSD	FC067974.D	n-Tetracosane (C24)	yogesh	12/11/2024 8:10:33 AM	Ankita	12/11/2024 9:05:15	Peak Integrated by Software
P5216-09MS	FC067977.D	A~2-methylnaphthalene (C12.89)	yogesh	12/11/2024 8:10:34 AM	Ankita	12/11/2024 9:05:17	Peak Integrated by Software
P5216-09MS	FC067977.D	n-Octacosane (C28)	yogesh	12/11/2024 8:10:34 AM	Ankita	12/11/2024 9:05:17	Peak Integrated by Software
P5216-09MS	FC067977.D	n-Tetracosane (C24)	yogesh	12/11/2024 8:10:34 AM	Ankita	12/11/2024 9:05:17	Peak Integrated by Software
P5216-09MSD	FC067978.D	1-chlorooctadecane (SURR)	yogesh	12/11/2024 8:10:35 AM	Ankita	12/11/2024 9:05:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC121024AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P5216-09MSD	FC067978.D	A~2-methylnaphthalene (C12.89)	yogesh	12/11/2024 8:10:35 AM	Ankita	12/11/2024 9:05:18	Peak Integrated by Software
P5216-09MSD	FC067978.D	n-Octacosane (C28)	yogesh	12/11/2024 8:10:35 AM	Ankita	12/11/2024 9:05:18	Peak Integrated by Software
P5216-09MSD	FC067978.D	n-Tetracosane (C24)	yogesh	12/11/2024 8:10:35 AM	Ankita	12/11/2024 9:05:18	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067980.D	A~2-methylnaphthalene (C12.89)	yogesh	12/11/2024 8:10:37 AM	Ankita	12/11/2024 9:05:19	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067980.D	n-Tetracontane (C40)	yogesh	12/11/2024 8:10:37 AM	Ankita	12/11/2024 9:05:19	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC122024AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM ALIPHATIC HC	FC068059.D	n-Dotriacontane (C32)	yogesh	12/23/2024 9:21:17 AM	Ankita	12/27/2024 7:45:42	Peak Integrated by Software
PB165775BS	FC068061.D	n-Decane (C10)	yogesh	12/23/2024 9:21:19 AM	Ankita	12/27/2024 7:45:44	Peak Integrated by Software
PB165775BSD	FC068062.D	n-Decane (C10)	yogesh	12/23/2024 9:21:21 AM	Ankita	12/27/2024 7:45:45	Peak Integrated by Software
P5299-04MS	FC068068.D	n-Hexatriacontane (C36)	yogesh	12/23/2024 9:21:23 AM	Ankita	12/27/2024 7:45:47	Peak Integrated by Software
P5299-04MSD	FC068069.D	n-Tetratriacontane (C34)	yogesh	12/23/2024 9:21:25 AM	Ankita	12/27/2024 7:45:49	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068071.D	n-Tetracontane (C40)	yogesh	12/23/2024 9:21:27 AM	Ankita	12/27/2024 7:45:50	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC068077.D	n-Tetracontane (C40)	yogesh	12/23/2024 9:21:29 AM	Ankita	12/27/2024 7:45:51	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD121024AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FD048862.D	Bnezo[k]fluoranthene (C30.14)	yogesh	12/10/2024 8:36:02 AM	Ankita	12/10/2024 10:25:17	Peak Integrated by Software
10 PPM AROMATIC HC	FD048865.D	Naphthalene (C11.7)	yogesh	12/10/2024 8:36:04 AM	Ankita	12/10/2024 10:25:18	Peak Integrated by Software
5 PPM AROMATIC HC	FD048866.D	Dibenz[a,h]anthracene (C30.36)	yogesh	12/10/2024 8:36:05 AM	Ankita	12/10/2024 10:25:20	Peak Integrated by Software
5 PPM AROMATIC HC	FD048866.D	Naphthalene (C11.7)	yogesh	12/10/2024 8:36:05 AM	Ankita	12/10/2024 10:25:20	Peak Integrated by Software
20 PPM AROMATIC HC	FD048867.D	benzo[b]fluoranthene (C30.41)	yogesh	12/10/2024 8:36:07 AM	Ankita	12/10/2024 10:25:22	Peak Integrated by Software
20 PPM AROMATIC HC	FD048867.D	Bnezo[k]fluoranthene (C30.14)	yogesh	12/10/2024 8:36:07 AM	Ankita	12/10/2024 10:25:22	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD122024AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD048897.D	Benzo[a]pyrene (C31.34)	yogesh	12/23/2024 9:21:53 AM	Ankita	12/27/2024 7:46:11	Peak Integrated by Software
PB165775BS	FD048899.D	Fluoranthene (C21.85)	yogesh	12/23/2024 9:21:55 AM	Ankita	12/27/2024 7:46:12	Peak Integrated by Software
P5299-04MS	FD048906.D	Fluoranthene (C21.85)	yogesh	12/23/2024 9:21:57 AM	Ankita	12/27/2024 7:46:14	Peak Integrated by Software
20 PPM AROMATIC HC	FD048915.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	12/23/2024 9:21:59 AM	Ankita	12/27/2024 7:46:15	Peak Integrated by Software
20 PPM AROMATIC HC	FD048915.D	benzo[b]fluoranthene (C30.41)	yogesh	12/23/2024 9:21:59 AM	Ankita	12/27/2024 7:46:15	Peak Integrated by Software

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC121024AL

Review By	yogesh	Review On	12/9/2024 4:27:54 PM		
Supervise By	Ankita	Supervise On	12/11/2024 9:05:29 AM		
SubDirectory	FC121024AL	HP Acquire Method		HP Processing Method	FC121024AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC067959.D	10 Dec 2024 03:35	YP/AJ	Ok
2	I.BLK	FC067960.D	10 Dec 2024 04:12	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC067961.D	10 Dec 2024 04:48	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC067962.D	10 Dec 2024 05:24	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC067963.D	10 Dec 2024 06:01	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC067964.D	10 Dec 2024 06:37	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC067965.D	10 Dec 2024 07:14	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC067966.D	10 Dec 2024 07:51	YP/AJ	Ok
9	I.BLK	FC067967.D	10 Dec 2024 09:03	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067968.D	10 Dec 2024 09:40	YP/AJ	Ok
11	P5145-01DL	FC067969.D	10 Dec 2024 10:16	YP/AJ	Ok
12	I.BLK	FC067970.D	10 Dec 2024 11:29	YP/AJ	Ok
13	20 PPM ALIPHATIC HC STD	FC067971.D	10 Dec 2024 12:59	YP/AJ	Ok,M
14	PB165523BL	FC067972.D	10 Dec 2024 13:36	YP/AJ	Ok
15	PB165523BS	FC067973.D	10 Dec 2024 14:12	YP/AJ	Ok,M
16	PB165523BSD	FC067974.D	10 Dec 2024 14:49	YP/AJ	Ok,M
17	P5216-09	FC067975.D	10 Dec 2024 15:25	YP/AJ	Ok
18	P5216-09D	FC067976.D	10 Dec 2024 16:02	YP/AJ	Ok
19	P5216-09MS	FC067977.D	10 Dec 2024 16:38	YP/AJ	Ok,M
20	P5216-09MSD	FC067978.D	10 Dec 2024 17:14	YP/AJ	Ok,M
21	I.BLK	FC067979.D	10 Dec 2024 17:50	YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC121024AL

Review By	yogesh	Review On	12/9/2024 4:27:54 PM		
Supervise By	Ankita	Supervise On	12/11/2024 9:05:29 AM		
SubDirectory	FC121024AL	HP Acquire Method		HP Processing Method	FC121024AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	20 PPM ALIPHATIC HC STD	FC067980.D	10 Dec 2024 19:03	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC122024AL

Review By	yogesh	Review On	12/20/2024 10:31:09 AM		
Supervise By	Ankita	Supervise On	12/27/2024 7:46:00 AM		
SubDirectory	FC122024AL	HP Acquire Method		HP Processing Method	FC121024AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068057.D	20 Dec 2024 06:40	YP/AJ	Ok
2	I.BLK	FC068058.D	20 Dec 2024 07:15	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068059.D	20 Dec 2024 09:05	YP/AJ	Ok,M
4	PB165775BL	FC068060.D	20 Dec 2024 10:34	YP/AJ	Ok
5	PB165775BS	FC068061.D	20 Dec 2024 11:10	YP/AJ	Ok,M
6	PB165775BSD	FC068062.D	20 Dec 2024 11:46	YP/AJ	Ok,M
7	P5299-01	FC068063.D	20 Dec 2024 12:45	YP/AJ	Ok
8	P5299-02	FC068064.D	20 Dec 2024 13:21	YP/AJ	Ok
9	P5299-03	FC068065.D	20 Dec 2024 13:58	YP/AJ	Ok
10	P5299-04	FC068066.D	20 Dec 2024 15:12	YP/AJ	Ok
11	P5299-04D	FC068067.D	20 Dec 2024 15:49	YP/AJ	Ok
12	P5299-04MS	FC068068.D	20 Dec 2024 16:26	YP/AJ	Ok,M
13	P5299-04MSD	FC068069.D	20 Dec 2024 17:03	YP/AJ	Ok,M
14	I.BLK	FC068070.D	20 Dec 2024 17:40	YP/AJ	Ok
15	20 PPM ALIPHATIC HC STD	FC068071.D	20 Dec 2024 18:17	YP/AJ	Ok,M
16	PB165783BL	FC068072.D	20 Dec 2024 19:29	YP/AJ	Ok
17	PB165783BS	FC068073.D	20 Dec 2024 20:05	YP/AJ	Ok
18	PB165783BSD	FC068074.D	20 Dec 2024 20:41	YP/AJ	Ok
19	P5356-01	FC068075.D	20 Dec 2024 21:17	YP/AJ	Ok
20	I.BLK	FC068076.D	20 Dec 2024 21:54	YP/AJ	Ok
21	20 PPM ALIPHATIC HC STD	FC068077.D	20 Dec 2024 22:30	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD121024AR

Review By	yogesh	Review On	12/9/2024 4:28:57 PM		
Supervise By	Ankita	Supervise On	12/10/2024 10:25:25 AM		
SubDirectory	FD121024AR	HP Acquire Method		HP Processing Method	FD121024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048860.D	10 Dec 2024 01:46	YP/AJ	Ok
2	I.BLK	FD048861.D	10 Dec 2024 02:22	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD048862.D	10 Dec 2024 02:58	YP/AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FD048863.D	10 Dec 2024 03:35	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD048864.D	10 Dec 2024 04:12	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD048865.D	10 Dec 2024 04:48	YP/AJ	Ok,M
7	5 PPM AROMATIC HC STD5	FD048866.D	10 Dec 2024 05:24	YP/AJ	Ok,M
8	20 PPM AROMATIC HC STD ICV	FD048867.D	10 Dec 2024 06:01	YP/AJ	Ok,M
9	I.BLK	FD048868.D	10 Dec 2024 07:14	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048869.D	10 Dec 2024 07:51	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD122024AR

Review By	yogesh	Review On	12/20/2024 10:32:17 AM		
Supervise By	Ankita	Supervise On	12/27/2024 7:46:24 AM		
SubDirectory	FD122024AR	HP Acquire Method		HP Processing Method	FD121024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048895.D	20 Dec 2024 06:40	YP/AJ	Ok
2	I.BLK	FD048896.D	20 Dec 2024 07:15	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048897.D	20 Dec 2024 09:05	YP/AJ	Ok,M
4	PB165775BL	FD048898.D	20 Dec 2024 10:34	YP/AJ	Ok
5	PB165775BS	FD048899.D	20 Dec 2024 11:10	YP/AJ	Ok,M
6	PB165775BSD	FD048900.D	20 Dec 2024 11:46	YP/AJ	Ok
7	P5299-01	FD048901.D	20 Dec 2024 12:45	YP/AJ	Ok
8	P5299-02	FD048902.D	20 Dec 2024 13:21	YP/AJ	Ok
9	P5299-03	FD048903.D	20 Dec 2024 13:58	YP/AJ	Ok
10	P5299-04	FD048904.D	20 Dec 2024 15:12	YP/AJ	Ok
11	P5299-04D	FD048905.D	20 Dec 2024 15:49	YP/AJ	Ok
12	P5299-04MS	FD048906.D	20 Dec 2024 16:26	YP/AJ	Ok,M
13	P5299-04MSD	FD048907.D	20 Dec 2024 17:03	YP/AJ	Ok
14	I.BLK	FD048908.D	20 Dec 2024 17:40	YP/AJ	Ok
15	20 PPM AROMATIC HC STD	FD048909.D	20 Dec 2024 18:17	YP/AJ	Ok
16	PB165783BL	FD048910.D	20 Dec 2024 19:29	YP/AJ	Ok
17	PB165783BS	FD048911.D	20 Dec 2024 20:05	YP/AJ	Ok
18	PB165783BSD	FD048912.D	20 Dec 2024 20:41	YP/AJ	Ok
19	P5356-01	FD048913.D	20 Dec 2024 21:17	YP/AJ	Ok
20	I.BLK	FD048914.D	20 Dec 2024 21:54	YP/AJ	Ok
21	20 PPM AROMATIC HC STD	FD048915.D	20 Dec 2024 22:30	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC121024AL

Review By	yogesh	Review On	12/9/2024 4:27:54 PM		
Supervise By	Ankita	Supervise On	12/11/2024 9:05:29 AM		
SubDirectory	FC121024AL	HP Acquire Method		HP Processing Method	FC121024AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC067959.D	10 Dec 2024 03:35		YP/AJ	Ok
2	I.BLK	I.BLK	FC067960.D	10 Dec 2024 04:12		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC067961.D	10 Dec 2024 04:48		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC067962.D	10 Dec 2024 05:24		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067963.D	10 Dec 2024 06:01		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC067964.D	10 Dec 2024 06:37		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC067965.D	10 Dec 2024 07:14		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067966.D	10 Dec 2024 07:51		YP/AJ	Ok
9	I.BLK	I.BLK	FC067967.D	10 Dec 2024 09:03		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067968.D	10 Dec 2024 09:40		YP/AJ	Ok
11	P5145-01DL	286085DL	FC067969.D	10 Dec 2024 10:16		YP/AJ	Ok
12	I.BLK	I.BLK	FC067970.D	10 Dec 2024 11:29		YP/AJ	Ok
13	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067971.D	10 Dec 2024 12:59		YP/AJ	Ok,M
14	PB165523BL	PB165523BL	FC067972.D	10 Dec 2024 13:36		YP/AJ	Ok
15	PB165523BS	PB165523BS	FC067973.D	10 Dec 2024 14:12		YP/AJ	Ok,M
16	PB165523BSD	PB165523BSD	FC067974.D	10 Dec 2024 14:49		YP/AJ	Ok,M
17	P5216-09	MH-744	FC067975.D	10 Dec 2024 15:25		YP/AJ	Ok
18	P5216-09D	P5216-09D	FC067976.D	10 Dec 2024 16:02		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC121024AL

Review By	yogesh	Review On	12/9/2024 4:27:54 PM		
Supervise By	Ankita	Supervise On	12/11/2024 9:05:29 AM		
SubDirectory	FC121024AL	HP Acquire Method		HP Processing Method	FC121024AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5216-09MS	MH-744MS	FC067977.D	10 Dec 2024 16:38	FC067975.D	YP/AJ	Ok,M
20	P5216-09MSD	MH-744MSD	FC067978.D	10 Dec 2024 17:14	FC067975.D!FC067977.D	YP/AJ	Ok,M
21	I.BLK	I.BLK	FC067979.D	10 Dec 2024 17:50		YP/AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067980.D	10 Dec 2024 19:03		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC122024AL

Review By	yogesh	Review On	12/20/2024 10:31:09 AM		
Supervise By	Ankita	Supervise On	12/27/2024 7:46:00 AM		
SubDirectory	FC122024AL	HP Acquire Method		HP Processing Method	FC121024AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068057.D	20 Dec 2024 06:40		YP/AJ	Ok
2	I.BLK	I.BLK	FC068058.D	20 Dec 2024 07:15		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068059.D	20 Dec 2024 09:05		YP/AJ	Ok,M
4	PB165775BL	PB165775BL	FC068060.D	20 Dec 2024 10:34		YP/AJ	Ok
5	PB165775BS	PB165775BS	FC068061.D	20 Dec 2024 11:10		YP/AJ	Ok,M
6	PB165775BSD	PB165775BSD	FC068062.D	20 Dec 2024 11:46		YP/AJ	Ok,M
7	P5299-01	SB-01	FC068063.D	20 Dec 2024 12:45		YP/AJ	Ok
8	P5299-02	SB-02	FC068064.D	20 Dec 2024 13:21		YP/AJ	Ok
9	P5299-03	SB-01	FC068065.D	20 Dec 2024 13:58		YP/AJ	Ok
10	P5299-04	SB-02	FC068066.D	20 Dec 2024 15:12		YP/AJ	Ok
11	P5299-04D	P5299-04D	FC068067.D	20 Dec 2024 15:49		YP/AJ	Ok
12	P5299-04MS	SB-02MS	FC068068.D	20 Dec 2024 16:26	FC068066.D	YP/AJ	Ok,M
13	P5299-04MSD	SB-02MSD	FC068069.D	20 Dec 2024 17:03	FC068066.D!FC068068.D	YP/AJ	Ok,M
14	I.BLK	I.BLK	FC068070.D	20 Dec 2024 17:40		YP/AJ	Ok
15	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068071.D	20 Dec 2024 18:17		YP/AJ	Ok,M
16	PB165783BL	PB165783BL	FC068072.D	20 Dec 2024 19:29		YP/AJ	Ok
17	PB165783BS	PB165783BS	FC068073.D	20 Dec 2024 20:05		YP/AJ	Ok
18	PB165783BSD	PB165783BSD	FC068074.D	20 Dec 2024 20:41		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC122024AL

Review By	yogesh	Review On	12/20/2024 10:31:09 AM		
Supervise By	Ankita	Supervise On	12/27/2024 7:46:00 AM		
SubDirectory	FC122024AL	HP Acquire Method		HP Processing Method	FC121024AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23644,PP23646,PP23647,PP23648,PP23649
CCC	PP23647
Internal Standard/PEM	
ICV/I.BLK	PP23645,PP23650
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5356-01	STAND-PIPE	FC068075.D	20 Dec 2024 21:17		YP/AJ	Ok
20	I.BLK	I.BLK	FC068076.D	20 Dec 2024 21:54		YP/AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068077.D	20 Dec 2024 22:30		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD121024AR

Review By	yogesh	Review On	12/9/2024 4:28:57 PM		
Supervise By	Ankita	Supervise On	12/10/2024 10:25:25 AM		
SubDirectory	FD121024AR	HP Acquire Method		HP Processing Method	FD121024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048860.D	10 Dec 2024 01:46		YP/AJ	Ok
2	I.BLK	I.BLK	FD048861.D	10 Dec 2024 02:22		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD048862.D	10 Dec 2024 02:58		YP/AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD048863.D	10 Dec 2024 03:35		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048864.D	10 Dec 2024 04:12		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD048865.D	10 Dec 2024 04:48		YP/AJ	Ok,M
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD048866.D	10 Dec 2024 05:24		YP/AJ	Ok,M
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048867.D	10 Dec 2024 06:01		YP/AJ	Ok,M
9	I.BLK	I.BLK	FD048868.D	10 Dec 2024 07:14		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048869.D	10 Dec 2024 07:51		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD122024AR

Review By	yogesh	Review On	12/20/2024 10:32:17 AM		
Supervise By	Ankita	Supervise On	12/27/2024 7:46:24 AM		
SubDirectory	FD122024AR	HP Acquire Method		HP Processing Method	FD121024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048895.D	20 Dec 2024 06:40		YP/AJ	Ok
2	I.BLK	I.BLK	FD048896.D	20 Dec 2024 07:15		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048897.D	20 Dec 2024 09:05		YP/AJ	Ok,M
4	PB165775BL	PB165775BL	FD048898.D	20 Dec 2024 10:34		YP/AJ	Ok
5	PB165775BS	PB165775BS	FD048899.D	20 Dec 2024 11:10		YP/AJ	Ok,M
6	PB165775BSD	PB165775BSD	FD048900.D	20 Dec 2024 11:46		YP/AJ	Ok
7	P5299-01	SB-01	FD048901.D	20 Dec 2024 12:45		YP/AJ	Ok
8	P5299-02	SB-02	FD048902.D	20 Dec 2024 13:21		YP/AJ	Ok
9	P5299-03	SB-01	FD048903.D	20 Dec 2024 13:58		YP/AJ	Ok
10	P5299-04	SB-02	FD048904.D	20 Dec 2024 15:12		YP/AJ	Ok
11	P5299-04D	P5299-04D	FD048905.D	20 Dec 2024 15:49		YP/AJ	Ok
12	P5299-04MS	SB-02MS	FD048906.D	20 Dec 2024 16:26	FD048904.D	YP/AJ	Ok,M
13	P5299-04MSD	SB-02MSD	FD048907.D	20 Dec 2024 17:03	FD048904.D!FD048906.D	YP/AJ	Ok
14	I.BLK	I.BLK	FD048908.D	20 Dec 2024 17:40		YP/AJ	Ok
15	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048909.D	20 Dec 2024 18:17		YP/AJ	Ok
16	PB165783BL	PB165783BL	FD048910.D	20 Dec 2024 19:29		YP/AJ	Ok
17	PB165783BS	PB165783BS	FD048911.D	20 Dec 2024 20:05		YP/AJ	Ok
18	PB165783BSD	PB165783BSD	FD048912.D	20 Dec 2024 20:41		YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD122024AR

Review By	yogesh	Review On	12/20/2024 10:32:17 AM		
Supervise By	Ankita	Supervise On	12/27/2024 7:46:24 AM		
SubDirectory	FD122024AR	HP Acquire Method		HP Processing Method	FD121024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP23974
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5356-01	STAND-PIPE	FD048913.D	20 Dec 2024 21:17		YP/AJ	Ok
20	I.BLK	I.BLK	FD048914.D	20 Dec 2024 21:54		YP/AJ	Ok
21	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048915.D	20 Dec 2024 22:30		YP/AJ	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB165775

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	12/19/2024
Matrix :	Solid			**Extraction Start Time :**	14:05
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	12/20/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	10:25
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

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	PP24092
Surrogate	1.0ML	100 PPM	PP23989
Fractionation Surrogate	1.0ML	100 PPM	PP24097
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2560
Baked Na2SO4	N/A	EP2573
Sand	N/A	E2865
Hexane	N/A	E3847
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/20/24	RP (Eat Lab)	Y.P. PEST IPCB
10:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165775

Analytical Method: MNJDEP-EPH-7

Concentration Date: 12/20/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165775BL	PB165775BL	EPH	30.03	N/A	RUPESH	ritesh	2			U5-1
PB165775BS	PB165775BS	EPH	30.01	N/A	RUPESH	ritesh	2			2
PB165775BSD	PB165775BSD	EPH	30.01	N/A	RUPESH	ritesh	2			3
P5299-01	SB-01	EPH	30.06	N/A	RUPESH	ritesh	2	E		4
P5299-02	SB-02	EPH	30.07	N/A	RUPESH	ritesh	2	E		5
P5299-03	SB-01	EPH	30.03	N/A	RUPESH	ritesh	2	E		6
P5299-04	SB-02	EPH	30.03	N/A	RUPESH	ritesh	2	E		U4-1
P5299-04DUP	SB-02DUP	EPH	30.01	N/A	ritesh	Evelyn	2	E		2
P5299-04MS	SB-02MS	EPH	30.02	N/A	RUPESH	ritesh	2	E		2
P5299-04MSD	SB-02MSD	EPH	30.01	N/A	RUPESH	ritesh	2	E		3

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

14:07
165771

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5299N **WorkList ID :** 186502 **Department :** Extraction **Date :** 12-19-2024 13:57:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5299-01	SB-01	Solid	EPH	Cool 4 deg C	PORT06	L41	12/14/2024	NJEPH
P5299-02	SB-02	Solid	EPH	Cool 4 deg C	PORT06	L41	12/15/2024	NJEPH
P5299-03	SB-01	Solid	EPH	Cool 4 deg C	PORT06	L41	12/15/2024	NJEPH
P5299-04	SB-02	Solid	EPH	Cool 4 deg C	PORT06	L41	12/15/2024	NJEPH

Date/Time 12/19/24 14:07

Raw Sample Received by: RJ (Geology)

Raw Sample Relinquished by:

Date/Time 12/19/24 14:25

Raw Sample Received by:

Raw Sample Relinquished by: RJ (Geology)

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LAB CHRONICLE

OrderID:	P5299	**OrderDate:**	12/16/2024 12:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5299-01	**SB-01**	**SOIL**			**12/14/24**			**12/16/24**
			PCB	8082A		12/18/24	12/18/24	
			EPH	NJEPH		12/19/24	12/20/24	
P5299-02	**SB-02**	**SOIL**			**12/15/24**			**12/16/24**
			PCB	8082A		12/18/24	12/18/24	
			EPH	NJEPH		12/19/24	12/20/24	
P5299-03	**SB-01**	**SOIL**			**12/15/24**			**12/16/24**
			PCB	8082A		12/18/24	12/18/24	
			EPH	NJEPH		12/19/24	12/20/24	
P5299-04	**SB-02**	**SOIL**			**12/15/24**			**12/16/24**
			PCB	8082A		12/18/24	12/18/24	
			EPH	NJEPH		12/19/24	12/20/24	

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Hit Summary Sheet
SW-846

SDG No.: P5299 **Order ID:** P5299

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SB-01								
P5299-01	SB-01	SOIL	Aluminum	2440		2.90	6.01	mg/Kg
P5299-01	SB-01	SOIL	Arsenic	5.96		0.35	1.20	mg/Kg
P5299-01	SB-01	SOIL	Barium	22.3		0.77	6.01	mg/Kg
P5299-01	SB-01	SOIL	Beryllium	0.25	J	0.014	0.36	mg/Kg
P5299-01	SB-01	SOIL	Calcium	1990		3.36	120	mg/Kg
P5299-01	SB-01	SOIL	Chromium	7.98		0.065	0.60	mg/Kg
P5299-01	SB-01	SOIL	Cobalt	2.15		0.070	1.80	mg/Kg
P5299-01	SB-01	SOIL	Copper	13.6		0.56	1.20	mg/Kg
P5299-01	SB-01	SOIL	Iron	12000		3.23	6.01	mg/Kg
P5299-01	SB-01	SOIL	Lead	11.0		0.18	0.72	mg/Kg
P5299-01	SB-01	SOIL	Magnesium	947		4.12	120	mg/Kg
P5299-01	SB-01	SOIL	Manganese	41.4		0.085	1.20	mg/Kg
P5299-01	SB-01	SOIL	Mercury	0.13		0.0070	0.015	mg/Kg
P5299-01	SB-01	SOIL	Nickel	4.25		0.11	2.40	mg/Kg
P5299-01	SB-01	SOIL	Potassium	937		34.5	120	mg/Kg
P5299-01	SB-01	SOIL	Sodium	122		43.4	120	mg/Kg
P5299-01	SB-01	SOIL	Vanadium	14.6		0.32	2.40	mg/Kg
P5299-01	SB-01	SOIL	Zinc	11.3		0.13	2.40	mg/Kg
Client ID : SB-02								
P5299-02	SB-02	SOIL	Aluminum	8690		2.85	5.91	mg/Kg
P5299-02	SB-02	SOIL	Arsenic	2.21		0.34	1.18	mg/Kg
P5299-02	SB-02	SOIL	Barium	31.8		0.76	5.91	mg/Kg
P5299-02	SB-02	SOIL	Beryllium	0.54		0.014	0.36	mg/Kg
P5299-02	SB-02	SOIL	Calcium	462		3.31	118	mg/Kg
P5299-02	SB-02	SOIL	Chromium	13.2		0.064	0.59	mg/Kg
P5299-02	SB-02	SOIL	Cobalt	6.16		0.069	1.77	mg/Kg
P5299-02	SB-02	SOIL	Copper	36.0		0.56	1.18	mg/Kg
P5299-02	SB-02	SOIL	Iron	14500		3.18	5.91	mg/Kg
P5299-02	SB-02	SOIL	Lead	9.33		0.18	0.71	mg/Kg
P5299-02	SB-02	SOIL	Magnesium	2130		4.06	118	mg/Kg
P5299-02	SB-02	SOIL	Manganese	124		0.084	1.18	mg/Kg
P5299-02	SB-02	SOIL	Mercury	0.11		0.0080	0.019	mg/Kg
P5299-02	SB-02	SOIL	Nickel	11.5		0.11	2.37	mg/Kg
P5299-02	SB-02	SOIL	Potassium	702		33.9	118	mg/Kg
P5299-02	SB-02	SOIL	Sodium	250		42.7	118	mg/Kg
P5299-02	SB-02	SOIL	Vanadium	17.5		0.32	2.37	mg/Kg
P5299-02	SB-02	SOIL	Zinc	22.9		0.13	2.37	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: P5299 **Order ID:** P5299

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SB-01								
P5299-03	SB-01	SOIL	Aluminum	6680		3.02	6.27	mg/Kg
P5299-03	SB-01	SOIL	Arsenic	1.34		0.36	1.25	mg/Kg
P5299-03	SB-01	SOIL	Barium	45.9		0.80	6.27	mg/Kg
P5299-03	SB-01	SOIL	Beryllium	0.51		0.015	0.38	mg/Kg
P5299-03	SB-01	SOIL	Calcium	1500		3.51	125	mg/Kg
P5299-03	SB-01	SOIL	Chromium	26.1		0.068	0.63	mg/Kg
P5299-03	SB-01	SOIL	Cobalt	7.49		0.073	1.88	mg/Kg
P5299-03	SB-01	SOIL	Copper	29.5		0.59	1.25	mg/Kg
P5299-03	SB-01	SOIL	Iron	14700		3.37	6.27	mg/Kg
P5299-03	SB-01	SOIL	Lead	13.5		0.19	0.75	mg/Kg
P5299-03	SB-01	SOIL	Magnesium	2490		4.30	125	mg/Kg
P5299-03	SB-01	SOIL	Manganese	182		0.089	1.25	mg/Kg
P5299-03	SB-01	SOIL	Mercury	0.099		0.0080	0.017	mg/Kg
P5299-03	SB-01	SOIL	Nickel	19.8		0.11	2.51	mg/Kg
P5299-03	SB-01	SOIL	Potassium	1940		36.0	125	mg/Kg
P5299-03	SB-01	SOIL	Sodium	210		45.2	125	mg/Kg
P5299-03	SB-01	SOIL	Vanadium	16.6		0.34	2.51	mg/Kg
P5299-03	SB-01	SOIL	Zinc	30.2		0.14	2.51	mg/Kg
Client ID : SB-02								
P5299-04	SB-02	SOIL	Aluminum	6080		2.82	5.85	mg/Kg
P5299-04	SB-02	SOIL	Arsenic	1.80		0.34	1.17	mg/Kg
P5299-04	SB-02	SOIL	Barium	35.4		0.75	5.85	mg/Kg
P5299-04	SB-02	SOIL	Beryllium	0.52		0.014	0.35	mg/Kg
P5299-04	SB-02	SOIL	Cadmium	0.058	J	0.019	0.35	mg/Kg
P5299-04	SB-02	SOIL	Calcium	995		3.27	117	mg/Kg
P5299-04	SB-02	SOIL	Chromium	18.6		0.063	0.59	mg/Kg
P5299-04	SB-02	SOIL	Cobalt	5.94		0.068	1.75	mg/Kg
P5299-04	SB-02	SOIL	Copper	14.6		0.55	1.17	mg/Kg
P5299-04	SB-02	SOIL	Iron	13100		3.14	5.85	mg/Kg
P5299-04	SB-02	SOIL	Lead	11.4		0.18	0.70	mg/Kg
P5299-04	SB-02	SOIL	Magnesium	1980		4.01	117	mg/Kg
P5299-04	SB-02	SOIL	Manganese	136		0.083	1.17	mg/Kg
P5299-04	SB-02	SOIL	Mercury	0.022		0.0080	0.017	mg/Kg
P5299-04	SB-02	SOIL	Nickel	12.8		0.11	2.34	mg/Kg
P5299-04	SB-02	SOIL	Potassium	801		33.6	117	mg/Kg
P5299-04	SB-02	SOIL	Sodium	120		42.2	117	mg/Kg
P5299-04	SB-02	SOIL	Vanadium	15.9		0.32	2.34	mg/Kg
P5299-04	SB-02	SOIL	Zinc	27.2		0.13	2.34	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	78.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2440		1	2.90	6.01	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-36-0	Antimony	0.18	UN	1	0.18	3.00	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-38-2	Arsenic	5.96		1	0.35	1.20	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-39-3	Barium	22.3	N	1	0.77	6.01	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-41-7	Beryllium	0.25	JN	1	0.014	0.36	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-43-9	Cadmium	0.019	U	1	0.019	0.36	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-70-2	Calcium	1990		1	3.36	120	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-47-3	Chromium	7.98	N	1	0.065	0.60	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-48-4	Cobalt	2.15		1	0.070	1.80	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-50-8	Copper	13.6	N	1	0.56	1.20	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7439-89-6	Iron	12000		1	3.23	6.01	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7439-92-1	Lead	11.0		1	0.18	0.72	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7439-95-4	Magnesium	947		1	4.12	120	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7439-96-5	Manganese	41.4		1	0.085	1.20	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7439-97-6	Mercury	0.13	N	1	0.0070	0.015	mg/Kg	12/18/24 08:35	12/18/24 13:57	SW7471B	
7440-02-0	Nickel	4.25		1	0.11	2.40	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-09-7	Potassium	937	N	1	34.5	120	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7782-49-2	Selenium	0.40	UN	1	0.40	1.20	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-22-4	Silver	0.062	U	1	0.062	0.60	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-23-5	Sodium	122	N	1	43.4	120	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-28-0	Thallium	0.53	U	1	0.53	2.40	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-62-2	Vanadium	14.6	N	1	0.32	2.40	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050
7440-66-6	Zinc	11.3	N	1	0.13	2.40	mg/Kg	12/18/24 12:20	12/20/24 18:38	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	75.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8690		1	2.85	5.91	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-36-0	Antimony	0.18	UN	1	0.18	2.96	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-38-2	Arsenic	2.21		1	0.34	1.18	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-39-3	Barium	31.8	N	1	0.76	5.91	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-41-7	Beryllium	0.54	N	1	0.014	0.36	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-43-9	Cadmium	0.019	U	1	0.019	0.36	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-70-2	Calcium	462		1	3.31	118	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-47-3	Chromium	13.2	N	1	0.064	0.59	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-48-4	Cobalt	6.16		1	0.069	1.77	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-50-8	Copper	36.0	N	1	0.56	1.18	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7439-89-6	Iron	14500		1	3.18	5.91	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7439-92-1	Lead	9.33		1	0.18	0.71	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7439-95-4	Magnesium	2130		1	4.06	118	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7439-96-5	Manganese	124		1	0.084	1.18	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7439-97-6	Mercury	0.11	N	1	0.0080	0.019	mg/Kg	12/18/24 08:35	12/18/24 13:59	SW7471B	
7440-02-0	Nickel	11.5		1	0.11	2.37	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-09-7	Potassium	702	N	1	33.9	118	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7782-49-2	Selenium	0.39	UN	1	0.39	1.18	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-22-4	Silver	0.061	U	1	0.061	0.59	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-23-5	Sodium	250	N	1	42.7	118	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-28-0	Thallium	0.52	U	1	0.52	2.37	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-62-2	Vanadium	17.5	N	1	0.32	2.37	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050
7440-66-6	Zinc	22.9	N	1	0.13	2.37	mg/Kg	12/18/24 12:20	12/20/24 20:06	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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OR = Over Range
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	68.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6680		1	3.02	6.27	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-36-0	Antimony	0.19	UN	1	0.19	3.13	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-38-2	Arsenic	1.34		1	0.36	1.25	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-39-3	Barium	45.9	N	1	0.80	6.27	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-41-7	Beryllium	0.51	N	1	0.015	0.38	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-43-9	Cadmium	0.020	U	1	0.020	0.38	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-70-2	Calcium	1500		1	3.51	125	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-47-3	Chromium	26.1	N	1	0.068	0.63	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-48-4	Cobalt	7.49		1	0.073	1.88	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-50-8	Copper	29.5	N	1	0.59	1.25	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7439-89-6	Iron	14700		1	3.37	6.27	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7439-92-1	Lead	13.5		1	0.19	0.75	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7439-95-4	Magnesium	2490		1	4.30	125	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7439-96-5	Manganese	182		1	0.089	1.25	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7439-97-6	Mercury	0.099	N	1	0.0080	0.017	mg/Kg	12/18/24 08:35	12/18/24 14:02	SW7471B	
7440-02-0	Nickel	19.8		1	0.11	2.51	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-09-7	Potassium	1940	N	1	36.0	125	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7782-49-2	Selenium	0.41	UN	1	0.41	1.25	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-22-4	Silver	0.065	U	1	0.065	0.63	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-23-5	Sodium	210	N	1	45.2	125	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-28-0	Thallium	0.55	U	1	0.55	2.51	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-62-2	Vanadium	16.6	N	1	0.34	2.51	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050
7440-66-6	Zinc	30.2	N	1	0.14	2.51	mg/Kg	12/18/24 12:20	12/20/24 20:10	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6080		1	2.82	5.85	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-36-0	Antimony	0.18	UN	1	0.18	2.92	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-38-2	Arsenic	1.80		1	0.34	1.17	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-39-3	Barium	35.4	N	1	0.75	5.85	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-41-7	Beryllium	0.52	N	1	0.014	0.35	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-43-9	Cadmium	0.058	J	1	0.019	0.35	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-70-2	Calcium	995		1	3.27	117	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-47-3	Chromium	18.6	N	1	0.063	0.59	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-48-4	Cobalt	5.94		1	0.068	1.75	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-50-8	Copper	14.6	N	1	0.55	1.17	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7439-89-6	Iron	13100		1	3.14	5.85	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7439-92-1	Lead	11.4		1	0.18	0.70	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7439-95-4	Magnesium	1980		1	4.01	117	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7439-96-5	Manganese	136		1	0.083	1.17	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7439-97-6	Mercury	0.022	N	1	0.0080	0.017	mg/Kg	12/18/24 08:35	12/18/24 14:04	SW7471B	
7440-02-0	Nickel	12.8		1	0.11	2.34	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-09-7	Potassium	801	N	1	33.6	117	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7782-49-2	Selenium	0.39	UN	1	0.39	1.17	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-22-4	Silver	0.061	U	1	0.061	0.59	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-23-5	Sodium	120	N	1	42.2	117	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-28-0	Thallium	0.51	U	1	0.51	2.34	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-62-2	Vanadium	15.9	N	1	0.32	2.34	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050
7440-66-6	Zinc	27.2	N	1	0.13	2.34	mg/Kg	12/18/24 12:20	12/20/24 20:14	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB24	Mercury	0.20	+/-0.20	U	0.20	CV	12/18/2024	13:39	LB133991

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB42	Mercury	0.20	+/-0.20	U	0.20	CV	12/18/2024	13:43	LB133991
CCB43	Mercury	0.20	+/-0.20	U	0.20	CV	12/18/2024	14:11	LB133991
CCB44	Mercury	0.20	+/-0.20	U	0.20	CV	12/18/2024	14:48	LB133991
CCB45	Mercury	0.20	+/-0.20	U	0.20	CV	12/18/2024	15:09	LB133991

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	12/20/2024	16:21	LB134054
	Antimony	50.0	+/-50.0	U	50.0	P	12/20/2024	16:21	LB134054
	Arsenic	20.0	+/-20.0	U	20.0	P	12/20/2024	16:21	LB134054
	Barium	100	+/-100	U	100	P	12/20/2024	16:21	LB134054
	Beryllium	6.00	+/-6.00	U	6.00	P	12/20/2024	16:21	LB134054
	Cadmium	6.00	+/-6.00	U	6.00	P	12/20/2024	16:21	LB134054
	Calcium	2000	+/-2000	U	2000	P	12/20/2024	16:21	LB134054
	Chromium	10.0	+/-10.0	U	10.0	P	12/20/2024	16:21	LB134054
	Cobalt	30.0	+/-30.0	U	30.0	P	12/20/2024	16:21	LB134054
	Copper	20.0	+/-20.0	U	20.0	P	12/20/2024	16:21	LB134054
	Iron	100	+/-100	U	100	P	12/20/2024	16:21	LB134054
	Lead	12.0	+/-12.0	U	12.0	P	12/20/2024	16:21	LB134054
	Magnesium	2000	+/-2000	U	2000	P	12/20/2024	16:21	LB134054
	Manganese	20.0	+/-20.0	U	20.0	P	12/20/2024	16:21	LB134054
	Nickel	40.0	+/-40.0	U	40.0	P	12/20/2024	16:21	LB134054
	Potassium	2000	+/-2000	U	2000	P	12/20/2024	16:21	LB134054
	Selenium	20.0	+/-20.0	U	20.0	P	12/20/2024	16:21	LB134054
	Silver	10.0	+/-10.0	U	10.0	P	12/20/2024	16:21	LB134054
	Sodium	2000	+/-2000	U	2000	P	12/20/2024	16:21	LB134054
	Thallium	40.0	+/-40.0	U	40.0	P	12/20/2024	16:21	LB134054
	Vanadium	40.0	+/-40.0	U	40.0	P	12/20/2024	16:21	LB134054
	Zinc	40.0	+/-40.0	U	40.0	P	12/20/2024	16:21	LB134054

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	12/20/2024	16:51	LB134054
	Antimony	50.0	+/-50.0	U	50.0	P	12/20/2024	16:51	LB134054
	Arsenic	20.0	+/-20.0	U	20.0	P	12/20/2024	16:51	LB134054
	Barium	14.0	+/-100	J	100	P	12/20/2024	16:51	LB134054
	Beryllium	6.00	+/-6.00	U	6.00	P	12/20/2024	16:51	LB134054
	Cadmium	6.00	+/-6.00	U	6.00	P	12/20/2024	16:51	LB134054
	Calcium	2000	+/-2000	U	2000	P	12/20/2024	16:51	LB134054
	Chromium	10.0	+/-10.0	U	10.0	P	12/20/2024	16:51	LB134054
	Cobalt	30.0	+/-30.0	U	30.0	P	12/20/2024	16:51	LB134054
	Copper	20.0	+/-20.0	U	20.0	P	12/20/2024	16:51	LB134054
	Iron	100	+/-100	U	100	P	12/20/2024	16:51	LB134054
	Lead	12.0	+/-12.0	U	12.0	P	12/20/2024	16:51	LB134054
	Magnesium	2000	+/-2000	U	2000	P	12/20/2024	16:51	LB134054
	Manganese	5.60	+/-20.0	J	20.0	P	12/20/2024	16:51	LB134054
	Nickel	40.0	+/-40.0	U	40.0	P	12/20/2024	16:51	LB134054
	Potassium	2000	+/-2000	U	2000	P	12/20/2024	16:51	LB134054
	Selenium	20.0	+/-20.0	U	20.0	P	12/20/2024	16:51	LB134054
	Silver	10.0	+/-10.0	U	10.0	P	12/20/2024	16:51	LB134054
	Sodium	2000	+/-2000	U	2000	P	12/20/2024	16:51	LB134054
	Thallium	40.0	+/-40.0	U	40.0	P	12/20/2024	16:51	LB134054
	Vanadium	40.0	+/-40.0	U	40.0	P	12/20/2024	16:51	LB134054
	Zinc	40.0	+/-40.0	U	40.0	P	12/20/2024	16:51	LB134054
CCB02	Aluminum	100	+/-100	U	100	P	12/20/2024	17:34	LB134054
	Antimony	50.0	+/-50.0	U	50.0	P	12/20/2024	17:34	LB134054
	Arsenic	20.0	+/-20.0	U	20.0	P	12/20/2024	17:34	LB134054
	Barium	100	+/-100	U	100	P	12/20/2024	17:34	LB134054
	Beryllium	6.00	+/-6.00	U	6.00	P	12/20/2024	17:34	LB134054
	Cadmium	6.00	+/-6.00	U	6.00	P	12/20/2024	17:34	LB134054
	Calcium	2000	+/-2000	U	2000	P	12/20/2024	17:34	LB134054
	Chromium	10.0	+/-10.0	U	10.0	P	12/20/2024	17:34	LB134054
	Cobalt	30.0	+/-30.0	U	30.0	P	12/20/2024	17:34	LB134054
	Copper	20.0	+/-20.0	U	20.0	P	12/20/2024	17:34	LB134054
	Iron	100	+/-100	U	100	P	12/20/2024	17:34	LB134054
	Lead	12.0	+/-12.0	U	12.0	P	12/20/2024	17:34	LB134054
	Magnesium	2000	+/-2000	U	2000	P	12/20/2024	17:34	LB134054
	Manganese	20.0	+/-20.0	U	20.0	P	12/20/2024	17:34	LB134054
	Nickel	40.0	+/-40.0	U	40.0	P	12/20/2024	17:34	LB134054
	Potassium	2000	+/-2000	U	2000	P	12/20/2024	17:34	LB134054
	Selenium	20.0	+/-20.0	U	20.0	P	12/20/2024	17:34	LB134054

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	12/20/2024	17:34	LB134054
	Sodium	2000	+/-2000	U	2000	P	12/20/2024	17:34	LB134054
	Thallium	40.0	+/-40.0	U	40.0	P	12/20/2024	17:34	LB134054
	Vanadium	40.0	+/-40.0	U	40.0	P	12/20/2024	17:34	LB134054
	Zinc	40.0	+/-40.0	U	40.0	P	12/20/2024	17:34	LB134054
CCB03	Aluminum	100	+/-100	U	100	P	12/20/2024	18:16	LB134054
	Antimony	50.0	+/-50.0	U	50.0	P	12/20/2024	18:16	LB134054
	Arsenic	20.0	+/-20.0	U	20.0	P	12/20/2024	18:16	LB134054
	Barium	100	+/-100	U	100	P	12/20/2024	18:16	LB134054
	Beryllium	6.00	+/-6.00	U	6.00	P	12/20/2024	18:16	LB134054
	Cadmium	6.00	+/-6.00	U	6.00	P	12/20/2024	18:16	LB134054
	Calcium	2000	+/-2000	U	2000	P	12/20/2024	18:16	LB134054
	Chromium	10.0	+/-10.0	U	10.0	P	12/20/2024	18:16	LB134054
	Cobalt	30.0	+/-30.0	U	30.0	P	12/20/2024	18:16	LB134054
	Copper	20.0	+/-20.0	U	20.0	P	12/20/2024	18:16	LB134054
	Iron	100	+/-100	U	100	P	12/20/2024	18:16	LB134054
	Lead	12.0	+/-12.0	U	12.0	P	12/20/2024	18:16	LB134054
	Magnesium	2000	+/-2000	U	2000	P	12/20/2024	18:16	LB134054
	Manganese	20.0	+/-20.0	U	20.0	P	12/20/2024	18:16	LB134054
	Nickel	40.0	+/-40.0	U	40.0	P	12/20/2024	18:16	LB134054
	Potassium	2000	+/-2000	U	2000	P	12/20/2024	18:16	LB134054
	Selenium	20.0	+/-20.0	U	20.0	P	12/20/2024	18:16	LB134054
	Silver	10.0	+/-10.0	U	10.0	P	12/20/2024	18:16	LB134054
	Sodium	2000	+/-2000	U	2000	P	12/20/2024	18:16	LB134054
	Thallium	40.0	+/-40.0	U	40.0	P	12/20/2024	18:16	LB134054
	Vanadium	40.0	+/-40.0	U	40.0	P	12/20/2024	18:16	LB134054
	Zinc	40.0	+/-40.0	U	40.0	P	12/20/2024	18:16	LB134054
CCB04	Aluminum	100	+/-100	U	100	P	12/20/2024	19:11	LB134054
	Antimony	50.0	+/-50.0	U	50.0	P	12/20/2024	19:11	LB134054
	Arsenic	20.0	+/-20.0	U	20.0	P	12/20/2024	19:11	LB134054
	Barium	100	+/-100	U	100	P	12/20/2024	19:11	LB134054
	Beryllium	6.00	+/-6.00	U	6.00	P	12/20/2024	19:11	LB134054
	Cadmium	6.00	+/-6.00	U	6.00	P	12/20/2024	19:11	LB134054
	Calcium	2000	+/-2000	U	2000	P	12/20/2024	19:11	LB134054
	Chromium	10.0	+/-10.0	U	10.0	P	12/20/2024	19:11	LB134054
	Cobalt	30.0	+/-30.0	U	30.0	P	12/20/2024	19:11	LB134054
	Copper	20.0	+/-20.0	U	20.0	P	12/20/2024	19:11	LB134054
	Iron	100	+/-100	U	100	P	12/20/2024	19:11	LB134054
	Lead	12.0	+/-12.0	U	12.0	P	12/20/2024	19:11	LB134054

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	12/20/2024	19:11	LB134054
	Manganese	20.0	+/-20.0	U	20.0	P	12/20/2024	19:11	LB134054
	Nickel	40.0	+/-40.0	U	40.0	P	12/20/2024	19:11	LB134054
	Potassium	2000	+/-2000	U	2000	P	12/20/2024	19:11	LB134054
	Selenium	20.0	+/-20.0	U	20.0	P	12/20/2024	19:11	LB134054
	Silver	10.0	+/-10.0	U	10.0	P	12/20/2024	19:11	LB134054
	Sodium	2000	+/-2000	U	2000	P	12/20/2024	19:11	LB134054
	Thallium	8.20	+/-40.0	J	40.0	P	12/20/2024	19:11	LB134054
	Vanadium	40.0	+/-40.0	U	40.0	P	12/20/2024	19:11	LB134054
	Zinc	40.0	+/-40.0	U	40.0	P	12/20/2024	19:11	LB134054
CCB05	Aluminum	100	+/-100	U	100	P	12/20/2024	20:01	LB134054
	Antimony	50.0	+/-50.0	U	50.0	P	12/20/2024	20:01	LB134054
	Arsenic	20.0	+/-20.0	U	20.0	P	12/20/2024	20:01	LB134054
	Barium	100	+/-100	U	100	P	12/20/2024	20:01	LB134054
	Beryllium	6.00	+/-6.00	U	6.00	P	12/20/2024	20:01	LB134054
	Cadmium	6.00	+/-6.00	U	6.00	P	12/20/2024	20:01	LB134054
	Calcium	2000	+/-2000	U	2000	P	12/20/2024	20:01	LB134054
	Chromium	10.0	+/-10.0	U	10.0	P	12/20/2024	20:01	LB134054
	Cobalt	30.0	+/-30.0	U	30.0	P	12/20/2024	20:01	LB134054
	Copper	20.0	+/-20.0	U	20.0	P	12/20/2024	20:01	LB134054
	Iron	100	+/-100	U	100	P	12/20/2024	20:01	LB134054
	Lead	12.0	+/-12.0	U	12.0	P	12/20/2024	20:01	LB134054
	Magnesium	2000	+/-2000	U	2000	P	12/20/2024	20:01	LB134054
	Manganese	20.0	+/-20.0	U	20.0	P	12/20/2024	20:01	LB134054
	Nickel	40.0	+/-40.0	U	40.0	P	12/20/2024	20:01	LB134054
	Potassium	2000	+/-2000	U	2000	P	12/20/2024	20:01	LB134054
	Selenium	20.0	+/-20.0	U	20.0	P	12/20/2024	20:01	LB134054
	Silver	10.0	+/-10.0	U	10.0	P	12/20/2024	20:01	LB134054
	Sodium	2000	+/-2000	U	2000	P	12/20/2024	20:01	LB134054
	Thallium	40.0	+/-40.0	U	40.0	P	12/20/2024	20:01	LB134054
	Vanadium	40.0	+/-40.0	U	40.0	P	12/20/2024	20:01	LB134054
	Zinc	40.0	+/-40.0	U	40.0	P	12/20/2024	20:01	LB134054
CCB06	Aluminum	100	+/-100	U	100	P	12/20/2024	20:51	LB134054
	Antimony	50.0	+/-50.0	U	50.0	P	12/20/2024	20:51	LB134054
	Arsenic	20.0	+/-20.0	U	20.0	P	12/20/2024	20:51	LB134054
	Barium	100	+/-100	U	100	P	12/20/2024	20:51	LB134054
	Beryllium	6.00	+/-6.00	U	6.00	P	12/20/2024	20:51	LB134054
	Cadmium	6.00	+/-6.00	U	6.00	P	12/20/2024	20:51	LB134054
	Calcium	2000	+/-2000	U	2000	P	12/20/2024	20:51	LB134054

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	12/20/2024	20:51	LB134054
	Cobalt	30.0	+/-30.0	U	30.0	P	12/20/2024	20:51	LB134054
	Copper	20.0	+/-20.0	U	20.0	P	12/20/2024	20:51	LB134054
	Iron	100	+/-100	U	100	P	12/20/2024	20:51	LB134054
	Lead	12.0	+/-12.0	U	12.0	P	12/20/2024	20:51	LB134054
	Magnesium	2000	+/-2000	U	2000	P	12/20/2024	20:51	LB134054
	Manganese	20.0	+/-20.0	U	20.0	P	12/20/2024	20:51	LB134054
	Nickel	40.0	+/-40.0	U	40.0	P	12/20/2024	20:51	LB134054
	Potassium	2000	+/-2000	U	2000	P	12/20/2024	20:51	LB134054
	Selenium	20.0	+/-20.0	U	20.0	P	12/20/2024	20:51	LB134054
	Silver	10.0	+/-10.0	U	10.0	P	12/20/2024	20:51	LB134054
	Sodium	2000	+/-2000	U	2000	P	12/20/2024	20:51	LB134054
	Thallium	40.0	+/-40.0	U	40.0	P	12/20/2024	20:51	LB134054
	Vanadium	40.0	+/-40.0	U	40.0	P	12/20/2024	20:51	LB134054
	Zinc	40.0	+/-40.0	U	40.0	P	12/20/2024	20:51	LB134054
CCB07	Aluminum	100	+/-100	U	100	P	12/20/2024	22:04	LB134054
	Antimony	50.0	+/-50.0	U	50.0	P	12/20/2024	22:04	LB134054
	Arsenic	20.0	+/-20.0	U	20.0	P	12/20/2024	22:04	LB134054
	Barium	100	+/-100	U	100	P	12/20/2024	22:04	LB134054
	Beryllium	6.00	+/-6.00	U	6.00	P	12/20/2024	22:04	LB134054
	Cadmium	6.00	+/-6.00	U	6.00	P	12/20/2024	22:04	LB134054
	Calcium	2000	+/-2000	U	2000	P	12/20/2024	22:04	LB134054
	Chromium	10.0	+/-10.0	U	10.0	P	12/20/2024	22:04	LB134054
	Cobalt	30.0	+/-30.0	U	30.0	P	12/20/2024	22:04	LB134054
	Copper	20.0	+/-20.0	U	20.0	P	12/20/2024	22:04	LB134054
	Iron	100	+/-100	U	100	P	12/20/2024	22:04	LB134054
	Lead	12.0	+/-12.0	U	12.0	P	12/20/2024	22:04	LB134054
	Magnesium	2000	+/-2000	U	2000	P	12/20/2024	22:04	LB134054
	Manganese	20.0	+/-20.0	U	20.0	P	12/20/2024	22:04	LB134054
	Nickel	40.0	+/-40.0	U	40.0	P	12/20/2024	22:04	LB134054
	Potassium	2000	+/-2000	U	2000	P	12/20/2024	22:04	LB134054
	Selenium	20.0	+/-20.0	U	20.0	P	12/20/2024	22:04	LB134054
	Silver	10.0	+/-10.0	U	10.0	P	12/20/2024	22:04	LB134054
	Sodium	2000	+/-2000	U	2000	P	12/20/2024	22:04	LB134054
	Thallium	40.0	+/-40.0	U	40.0	P	12/20/2024	22:04	LB134054
	Vanadium	40.0	+/-40.0	U	40.0	P	12/20/2024	22:04	LB134054
	Zinc	40.0	+/-40.0	U	40.0	P	12/20/2024	22:04	LB134054
CCB08	Aluminum	100	+/-100	U	100	P	12/20/2024	23:12	LB134054
	Antimony	50.0	+/-50.0	U	50.0	P	12/20/2024	23:12	LB134054

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	12/20/2024	23:12	LB134054
	Barium	100	+/-100	U	100	P	12/20/2024	23:12	LB134054
	Beryllium	6.00	+/-6.00	U	6.00	P	12/20/2024	23:12	LB134054
	Cadmium	6.00	+/-6.00	U	6.00	P	12/20/2024	23:12	LB134054
	Calcium	2000	+/-2000	U	2000	P	12/20/2024	23:12	LB134054
	Chromium	10.0	+/-10.0	U	10.0	P	12/20/2024	23:12	LB134054
	Cobalt	30.0	+/-30.0	U	30.0	P	12/20/2024	23:12	LB134054
	Copper	20.0	+/-20.0	U	20.0	P	12/20/2024	23:12	LB134054
	Iron	100	+/-100	U	100	P	12/20/2024	23:12	LB134054
	Lead	12.0	+/-12.0	U	12.0	P	12/20/2024	23:12	LB134054
	Magnesium	2000	+/-2000	U	2000	P	12/20/2024	23:12	LB134054
	Manganese	20.0	+/-20.0	U	20.0	P	12/20/2024	23:12	LB134054
	Nickel	40.0	+/-40.0	U	40.0	P	12/20/2024	23:12	LB134054
	Potassium	2000	+/-2000	U	2000	P	12/20/2024	23:12	LB134054
	Selenium	20.0	+/-20.0	U	20.0	P	12/20/2024	23:12	LB134054
	Silver	10.0	+/-10.0	U	10.0	P	12/20/2024	23:12	LB134054
	Sodium	2000	+/-2000	U	2000	P	12/20/2024	23:12	LB134054
	Thallium	40.0	+/-40.0	U	40.0	P	12/20/2024	23:12	LB134054
	Vanadium	40.0	+/-40.0	U	40.0	P	12/20/2024	23:12	LB134054
	Zinc	40.0	+/-40.0	U	40.0	P	12/20/2024	23:12	LB134054
CCB09	Aluminum	100	+/-100	U	100	P	12/21/2024	00:05	LB134054
	Antimony	50.0	+/-50.0	U	50.0	P	12/21/2024	00:05	LB134054
	Arsenic	20.0	+/-20.0	U	20.0	P	12/21/2024	00:05	LB134054
	Barium	100	+/-100	U	100	P	12/21/2024	00:05	LB134054
	Beryllium	6.00	+/-6.00	U	6.00	P	12/21/2024	00:05	LB134054
	Cadmium	6.00	+/-6.00	U	6.00	P	12/21/2024	00:05	LB134054
	Calcium	2000	+/-2000	U	2000	P	12/21/2024	00:05	LB134054
	Chromium	10.0	+/-10.0	U	10.0	P	12/21/2024	00:05	LB134054
	Cobalt	30.0	+/-30.0	U	30.0	P	12/21/2024	00:05	LB134054
	Copper	20.0	+/-20.0	U	20.0	P	12/21/2024	00:05	LB134054
	Iron	100	+/-100	U	100	P	12/21/2024	00:05	LB134054
	Lead	12.0	+/-12.0	U	12.0	P	12/21/2024	00:05	LB134054
	Magnesium	2000	+/-2000	U	2000	P	12/21/2024	00:05	LB134054
	Manganese	20.0	+/-20.0	U	20.0	P	12/21/2024	00:05	LB134054
	Nickel	40.0	+/-40.0	U	40.0	P	12/21/2024	00:05	LB134054
	Potassium	2000	+/-2000	U	2000	P	12/21/2024	00:05	LB134054
	Selenium	20.0	+/-20.0	U	20.0	P	12/21/2024	00:05	LB134054
	Silver	10.0	+/-10.0	U	10.0	P	12/21/2024	00:05	LB134054
	Sodium	2000	+/-2000	U	2000	P	12/21/2024	00:05	LB134054

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	40.0	+/-40.0	U	40.0	P	12/21/2024	00:05	LB134054
	Vanadium	40.0	+/-40.0	U	40.0	P	12/21/2024	00:05	LB134054
	Zinc	40.0	+/-40.0	U	40.0	P	12/21/2024	00:05	LB134054

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- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165728BL		**SOLID**		**Batch Number:**	**PB165728**		**Prep Date:**	**12/18/2024**	
	Mercury	0.013	<0.013	U	0.013	CV	12/18/2024	13:52	LB133991

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- 3b -
PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165722BL		**SOLID**		**Batch Number:**	**PB165722**		**Prep Date:**	**12/18/2024**	
	Aluminum	4.41	<4.41	U	4.41	P	12/20/2024	20:38	LB134054
	Antimony	2.20	<2.20	U	2.20	P	12/20/2024	20:38	LB134054
	Arsenic	0.88	<0.88	U	0.88	P	12/20/2024	20:38	LB134054
	Barium	4.41	<4.41	U	4.41	P	12/20/2024	20:38	LB134054
	Beryllium	0.26	<0.26	U	0.26	P	12/20/2024	20:38	LB134054
	Cadmium	0.26	<0.26	U	0.26	P	12/20/2024	20:38	LB134054
	Calcium	88.1	<88.1	U	88.1	P	12/20/2024	20:38	LB134054
	Chromium	0.44	<0.44	U	0.44	P	12/20/2024	20:38	LB134054
	Cobalt	1.32	<1.32	U	1.32	P	12/20/2024	20:38	LB134054
	Copper	0.88	<0.88	U	0.88	P	12/20/2024	20:38	LB134054
	Iron	4.41	<4.41	U	4.41	P	12/20/2024	20:38	LB134054
	Lead	0.53	<0.53	U	0.53	P	12/20/2024	20:38	LB134054
	Magnesium	88.1	<88.1	U	88.1	P	12/20/2024	20:38	LB134054
	Manganese	0.88	<0.88	U	0.88	P	12/20/2024	20:38	LB134054
	Nickel	1.76	<1.76	U	1.76	P	12/20/2024	20:38	LB134054
	Potassium	88.1	<88.1	U	88.1	P	12/20/2024	20:38	LB134054
	Selenium	0.88	<0.88	U	0.88	P	12/20/2024	20:38	LB134054
	Silver	0.44	<0.44	U	0.44	P	12/20/2024	20:38	LB134054
	Sodium	88.1	<88.1	U	88.1	P	12/20/2024	20:38	LB134054
	Thallium	1.76	<1.76	U	1.76	P	12/20/2024	20:38	LB134054
	Vanadium	1.76	<1.76	U	1.76	P	12/20/2024	20:38	LB134054
	Zinc	1.76	<1.76	U	1.76	P	12/20/2024	20:38	LB134054

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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
ICV24	Mercury	4.05	4.0	101	90 - 110	CV	12/18/2024	13:36	LB133991

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV42	Mercury	4.53	5.0	91	90 - 110	CV	12/18/2024	13:41	LB133991
CCV43	Mercury	4.72	5.0	94	90 - 110	CV	12/18/2024	14:08	LB133991
CCV44	Mercury	4.51	5.0	90	90 - 110	CV	12/18/2024	14:45	LB133991
CCV45	Mercury	4.83	5.0	97	90 - 110	CV	12/18/2024	15:07	LB133991

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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	2440	2500	98	90 - 110	P	12/20/2024	16:07	LB134054
	Antimony	985	1000	98	90 - 110	P	12/20/2024	16:07	LB134054
	Arsenic	1020	1000	102	90 - 110	P	12/20/2024	16:07	LB134054
	Barium	471	520	91	90 - 110	P	12/20/2024	16:07	LB134054
	Beryllium	486	510	95	90 - 110	P	12/20/2024	16:07	LB134054
	Cadmium	502	510	98	90 - 110	P	12/20/2024	16:07	LB134054
	Calcium	9510	10000	95	90 - 110	P	12/20/2024	16:07	LB134054
	Chromium	534	520	103	90 - 110	P	12/20/2024	16:07	LB134054
	Cobalt	508	520	98	90 - 110	P	12/20/2024	16:07	LB134054
	Copper	522	510	102	90 - 110	P	12/20/2024	16:07	LB134054
	Iron	10100	10000	101	90 - 110	P	12/20/2024	16:07	LB134054
	Lead	1000	1000	100	90 - 110	P	12/20/2024	16:07	LB134054
	Magnesium	5690	6000	95	90 - 110	P	12/20/2024	16:07	LB134054
	Manganese	494	520	95	90 - 110	P	12/20/2024	16:07	LB134054
	Nickel	510	530	96	90 - 110	P	12/20/2024	16:07	LB134054
	Potassium	9870	9900	100	90 - 110	P	12/20/2024	16:07	LB134054
	Selenium	1020	1000	102	90 - 110	P	12/20/2024	16:07	LB134054
	Silver	251	250	100	90 - 110	P	12/20/2024	16:07	LB134054
	Sodium	9880	10000	99	90 - 110	P	12/20/2024	16:07	LB134054
	Thallium	1010	1000	101	90 - 110	P	12/20/2024	16:07	LB134054
	Vanadium	465	500	93	90 - 110	P	12/20/2024	16:07	LB134054
	Zinc	1010	1000	101	90 - 110	P	12/20/2024	16:07	LB134054

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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	98.4	100	98	80 - 120	P	12/20/2024	16:11	LB134054
	Antimony	50.1	50.0	100	80 - 120	P	12/20/2024	16:11	LB134054
	Arsenic	19.0	20.0	95	80 - 120	P	12/20/2024	16:11	LB134054
	Barium	87.9	100	88	80 - 120	P	12/20/2024	16:11	LB134054
	Beryllium	5.75	6.0	96	80 - 120	P	12/20/2024	16:11	LB134054
	Cadmium	5.80	6.0	97	80 - 120	P	12/20/2024	16:11	LB134054
	Calcium	1870	2000	93	80 - 120	P	12/20/2024	16:11	LB134054
	Chromium	9.98	10.0	100	80 - 120	P	12/20/2024	16:11	LB134054
	Cobalt	29.1	30.0	97	80 - 120	P	12/20/2024	16:11	LB134054
	Copper	21.8	20.0	109	80 - 120	P	12/20/2024	16:11	LB134054
	Iron	94.2	100	94	80 - 120	P	12/20/2024	16:11	LB134054
	Lead	12.1	12.0	101	80 - 120	P	12/20/2024	16:11	LB134054
	Magnesium	2050	2000	103	80 - 120	P	12/20/2024	16:11	LB134054
	Manganese	19.3	20.0	97	80 - 120	P	12/20/2024	16:11	LB134054
	Nickel	38.9	40.0	97	80 - 120	P	12/20/2024	16:11	LB134054
	Potassium	2020	2000	101	80 - 120	P	12/20/2024	16:11	LB134054
	Selenium	19.7	20.0	98	80 - 120	P	12/20/2024	16:11	LB134054
	Silver	10.3	10.0	103	80 - 120	P	12/20/2024	16:11	LB134054
	Sodium	1940	2000	97	80 - 120	P	12/20/2024	16:11	LB134054
	Thallium	38.7	40.0	97	80 - 120	P	12/20/2024	16:11	LB134054
	Vanadium	35.2	40.0	88	80 - 120	P	12/20/2024	16:11	LB134054
	Zinc	38.9	40.0	97	80 - 120	P	12/20/2024	16:11	LB134054

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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	9490	10000	95	90 - 110	P	12/20/2024	16:47	LB134054
	Antimony	4820	5000	96	90 - 110	P	12/20/2024	16:47	LB134054
	Arsenic	4800	5000	96	90 - 110	P	12/20/2024	16:47	LB134054
	Barium	9130	10000	91	90 - 110	P	12/20/2024	16:47	LB134054
	Beryllium	237	250	95	90 - 110	P	12/20/2024	16:47	LB134054
	Cadmium	2420	2500	97	90 - 110	P	12/20/2024	16:47	LB134054
	Calcium	23500	25000	94	90 - 110	P	12/20/2024	16:47	LB134054
	Chromium	1000	1000	100	90 - 110	P	12/20/2024	16:47	LB134054
	Cobalt	2410	2500	96	90 - 110	P	12/20/2024	16:47	LB134054
	Copper	1220	1250	97	90 - 110	P	12/20/2024	16:47	LB134054
	Iron	4860	5000	97	90 - 110	P	12/20/2024	16:47	LB134054
	Lead	4830	5000	96	90 - 110	P	12/20/2024	16:47	LB134054
	Magnesium	24000	25000	96	90 - 110	P	12/20/2024	16:47	LB134054
	Manganese	2410	2500	96	90 - 110	P	12/20/2024	16:47	LB134054
	Nickel	2410	2500	96	90 - 110	P	12/20/2024	16:47	LB134054
	Potassium	24000	25000	96	90 - 110	P	12/20/2024	16:47	LB134054
	Selenium	4790	5000	96	90 - 110	P	12/20/2024	16:47	LB134054
	Silver	1220	1250	98	90 - 110	P	12/20/2024	16:47	LB134054
	Sodium	24400	25000	98	90 - 110	P	12/20/2024	16:47	LB134054
	Thallium	4830	5000	97	90 - 110	P	12/20/2024	16:47	LB134054
	Vanadium	2360	2500	94	90 - 110	P	12/20/2024	16:47	LB134054
	Zinc	2440	2500	98	90 - 110	P	12/20/2024	16:47	LB134054
CCV02	Aluminum	9650	10000	96	90 - 110	P	12/20/2024	17:29	LB134054
	Antimony	4990	5000	100	90 - 110	P	12/20/2024	17:29	LB134054
	Arsenic	5010	5000	100	90 - 110	P	12/20/2024	17:29	LB134054
	Barium	9240	10000	92	90 - 110	P	12/20/2024	17:29	LB134054
	Beryllium	242	250	97	90 - 110	P	12/20/2024	17:29	LB134054
	Cadmium	2490	2500	100	90 - 110	P	12/20/2024	17:29	LB134054
	Calcium	23900	25000	96	90 - 110	P	12/20/2024	17:29	LB134054
	Chromium	1020	1000	102	90 - 110	P	12/20/2024	17:29	LB134054
	Cobalt	2470	2500	99	90 - 110	P	12/20/2024	17:29	LB134054
	Copper	1260	1250	101	90 - 110	P	12/20/2024	17:29	LB134054
	Iron	4900	5000	98	90 - 110	P	12/20/2024	17:29	LB134054
	Lead	4970	5000	99	90 - 110	P	12/20/2024	17:29	LB134054

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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	24300	25000	97	90 - 110	P	12/20/2024	17:29	LB134054
	Manganese	2460	2500	99	90 - 110	P	12/20/2024	17:29	LB134054
	Nickel	2480	2500	99	90 - 110	P	12/20/2024	17:29	LB134054
	Potassium	24600	25000	98	90 - 110	P	12/20/2024	17:29	LB134054
	Selenium	5020	5000	100	90 - 110	P	12/20/2024	17:29	LB134054
	Silver	1250	1250	100	90 - 110	P	12/20/2024	17:29	LB134054
	Sodium	25200	25000	101	90 - 110	P	12/20/2024	17:29	LB134054
	Thallium	4930	5000	99	90 - 110	P	12/20/2024	17:29	LB134054
	Vanadium	2390	2500	96	90 - 110	P	12/20/2024	17:29	LB134054
	Zinc	2500	2500	100	90 - 110	P	12/20/2024	17:29	LB134054
CCV03	Aluminum	9770	10000	98	90 - 110	P	12/20/2024	18:12	LB134054
	Antimony	4970	5000	99	90 - 110	P	12/20/2024	18:12	LB134054
	Arsenic	4960	5000	99	90 - 110	P	12/20/2024	18:12	LB134054
	Barium	9430	10000	94	90 - 110	P	12/20/2024	18:12	LB134054
	Beryllium	244	250	98	90 - 110	P	12/20/2024	18:12	LB134054
	Cadmium	2480	2500	99	90 - 110	P	12/20/2024	18:12	LB134054
	Calcium	24300	25000	97	90 - 110	P	12/20/2024	18:12	LB134054
	Chromium	1020	1000	102	90 - 110	P	12/20/2024	18:12	LB134054
	Cobalt	2470	2500	99	90 - 110	P	12/20/2024	18:12	LB134054
	Copper	1250	1250	100	90 - 110	P	12/20/2024	18:12	LB134054
	Iron	4940	5000	99	90 - 110	P	12/20/2024	18:12	LB134054
	Lead	4950	5000	99	90 - 110	P	12/20/2024	18:12	LB134054
	Magnesium	24800	25000	99	90 - 110	P	12/20/2024	18:12	LB134054
	Manganese	2480	2500	99	90 - 110	P	12/20/2024	18:12	LB134054
	Nickel	2480	2500	99	90 - 110	P	12/20/2024	18:12	LB134054
	Potassium	24700	25000	99	90 - 110	P	12/20/2024	18:12	LB134054
	Selenium	4960	5000	99	90 - 110	P	12/20/2024	18:12	LB134054
	Silver	1250	1250	100	90 - 110	P	12/20/2024	18:12	LB134054
	Sodium	25200	25000	101	90 - 110	P	12/20/2024	18:12	LB134054
	Thallium	4950	5000	99	90 - 110	P	12/20/2024	18:12	LB134054
	Vanadium	2440	2500	98	90 - 110	P	12/20/2024	18:12	LB134054
	Zinc	2500	2500	100	90 - 110	P	12/20/2024	18:12	LB134054
CCV04	Aluminum	9620	10000	96	90 - 110	P	12/20/2024	19:02	LB134054
	Antimony	4920	5000	98	90 - 110	P	12/20/2024	19:02	LB134054

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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	4910	5000	98	90 - 110	P	12/20/2024	19:02	LB134054
	Barium	9150	10000	92	90 - 110	P	12/20/2024	19:02	LB134054
	Beryllium	240	250	96	90 - 110	P	12/20/2024	19:02	LB134054
	Cadmium	2440	2500	98	90 - 110	P	12/20/2024	19:02	LB134054
	Calcium	23800	25000	95	90 - 110	P	12/20/2024	19:02	LB134054
	Chromium	1010	1000	101	90 - 110	P	12/20/2024	19:02	LB134054
	Cobalt	2440	2500	98	90 - 110	P	12/20/2024	19:02	LB134054
	Copper	1240	1250	99	90 - 110	P	12/20/2024	19:02	LB134054
	Iron	4880	5000	98	90 - 110	P	12/20/2024	19:02	LB134054
	Lead	4890	5000	98	90 - 110	P	12/20/2024	19:02	LB134054
	Magnesium	24500	25000	98	90 - 110	P	12/20/2024	19:02	LB134054
	Manganese	2450	2500	98	90 - 110	P	12/20/2024	19:02	LB134054
	Nickel	2440	2500	98	90 - 110	P	12/20/2024	19:02	LB134054
	Potassium	24400	25000	97	90 - 110	P	12/20/2024	19:02	LB134054
	Selenium	4920	5000	98	90 - 110	P	12/20/2024	19:02	LB134054
	Silver	1240	1250	99	90 - 110	P	12/20/2024	19:02	LB134054
	Sodium	24900	25000	100	90 - 110	P	12/20/2024	19:02	LB134054
	Thallium	4930	5000	98	90 - 110	P	12/20/2024	19:02	LB134054
	Vanadium	2380	2500	95	90 - 110	P	12/20/2024	19:02	LB134054
	Zinc	2470	2500	99	90 - 110	P	12/20/2024	19:02	LB134054
CCV05	Aluminum	9790	10000	98	90 - 110	P	12/20/2024	19:57	LB134054
	Antimony	5040	5000	101	90 - 110	P	12/20/2024	19:57	LB134054
	Arsenic	5060	5000	101	90 - 110	P	12/20/2024	19:57	LB134054
	Barium	9370	10000	94	90 - 110	P	12/20/2024	19:57	LB134054
	Beryllium	242	250	97	90 - 110	P	12/20/2024	19:57	LB134054
	Cadmium	2510	2500	100	90 - 110	P	12/20/2024	19:57	LB134054
	Calcium	24300	25000	97	90 - 110	P	12/20/2024	19:57	LB134054
	Chromium	1030	1000	103	90 - 110	P	12/20/2024	19:57	LB134054
	Cobalt	2500	2500	100	90 - 110	P	12/20/2024	19:57	LB134054
	Copper	1270	1250	102	90 - 110	P	12/20/2024	19:57	LB134054
	Iron	5060	5000	101	90 - 110	P	12/20/2024	19:57	LB134054
	Lead	5020	5000	100	90 - 110	P	12/20/2024	19:57	LB134054
	Magnesium	24900	25000	100	90 - 110	P	12/20/2024	19:57	LB134054
	Manganese	2490	2500	99	90 - 110	P	12/20/2024	19:57	LB134054

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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	2510	2500	100	90 - 110	P	12/20/2024	19:57	LB134054
	Potassium	25300	25000	101	90 - 110	P	12/20/2024	19:57	LB134054
	Selenium	5070	5000	102	90 - 110	P	12/20/2024	19:57	LB134054
	Silver	1260	1250	101	90 - 110	P	12/20/2024	19:57	LB134054
	Sodium	25700	25000	103	90 - 110	P	12/20/2024	19:57	LB134054
	Thallium	5040	5000	101	90 - 110	P	12/20/2024	19:57	LB134054
	Vanadium	2430	2500	97	90 - 110	P	12/20/2024	19:57	LB134054
	Zinc	2520	2500	101	90 - 110	P	12/20/2024	19:57	LB134054
CCV06	Aluminum	9520	10000	95	90 - 110	P	12/20/2024	20:47	LB134054
	Antimony	4840	5000	97	90 - 110	P	12/20/2024	20:47	LB134054
	Arsenic	4830	5000	96	90 - 110	P	12/20/2024	20:47	LB134054
	Barium	9020	10000	90	90 - 110	P	12/20/2024	20:47	LB134054
	Beryllium	237	250	95	90 - 110	P	12/20/2024	20:47	LB134054
	Cadmium	2410	2500	96	90 - 110	P	12/20/2024	20:47	LB134054
	Calcium	23400	25000	94	90 - 110	P	12/20/2024	20:47	LB134054
	Chromium	995	1000	100	90 - 110	P	12/20/2024	20:47	LB134054
	Cobalt	2390	2500	96	90 - 110	P	12/20/2024	20:47	LB134054
	Copper	1220	1250	98	90 - 110	P	12/20/2024	20:47	LB134054
	Iron	4770	5000	95	90 - 110	P	12/20/2024	20:47	LB134054
	Lead	4800	5000	96	90 - 110	P	12/20/2024	20:47	LB134054
	Magnesium	24500	25000	98	90 - 110	P	12/20/2024	20:47	LB134054
	Manganese	2420	2500	97	90 - 110	P	12/20/2024	20:47	LB134054
	Nickel	2400	2500	96	90 - 110	P	12/20/2024	20:47	LB134054
	Potassium	23900	25000	96	90 - 110	P	12/20/2024	20:47	LB134054
	Selenium	4830	5000	97	90 - 110	P	12/20/2024	20:47	LB134054
	Silver	1210	1250	97	90 - 110	P	12/20/2024	20:47	LB134054
	Sodium	24300	25000	97	90 - 110	P	12/20/2024	20:47	LB134054
	Thallium	4850	5000	97	90 - 110	P	12/20/2024	20:47	LB134054
	Vanadium	2350	2500	94	90 - 110	P	12/20/2024	20:47	LB134054
	Zinc	2420	2500	97	90 - 110	P	12/20/2024	20:47	LB134054
CCV07	Aluminum	9680	10000	97	90 - 110	P	12/20/2024	21:37	LB134054
	Antimony	4900	5000	98	90 - 110	P	12/20/2024	21:37	LB134054
	Arsenic	4880	5000	98	90 - 110	P	12/20/2024	21:37	LB134054
	Barium	9110	10000	91	90 - 110	P	12/20/2024	21:37	LB134054

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	242	250	97	90 - 110	P	12/20/2024	21:37	LB134054
	Cadmium	2430	2500	97	90 - 110	P	12/20/2024	21:37	LB134054
	Calcium	23700	25000	95	90 - 110	P	12/20/2024	21:37	LB134054
	Chromium	1010	1000	101	90 - 110	P	12/20/2024	21:37	LB134054
	Cobalt	2430	2500	97	90 - 110	P	12/20/2024	21:37	LB134054
	Copper	1230	1250	99	90 - 110	P	12/20/2024	21:37	LB134054
	Iron	4820	5000	96	90 - 110	P	12/20/2024	21:37	LB134054
	Lead	4860	5000	97	90 - 110	P	12/20/2024	21:37	LB134054
	Magnesium	24700	25000	99	90 - 110	P	12/20/2024	21:37	LB134054
	Manganese	2460	2500	98	90 - 110	P	12/20/2024	21:37	LB134054
	Nickel	2430	2500	97	90 - 110	P	12/20/2024	21:37	LB134054
	Potassium	24100	25000	96	90 - 110	P	12/20/2024	21:37	LB134054
	Selenium	4890	5000	98	90 - 110	P	12/20/2024	21:37	LB134054
	Silver	1230	1250	99	90 - 110	P	12/20/2024	21:37	LB134054
	Sodium	24500	25000	98	90 - 110	P	12/20/2024	21:37	LB134054
	Thallium	4910	5000	98	90 - 110	P	12/20/2024	21:37	LB134054
	Vanadium	2380	2500	95	90 - 110	P	12/20/2024	21:37	LB134054
	Zinc	2460	2500	98	90 - 110	P	12/20/2024	21:37	LB134054
CCV08	Aluminum	9610	10000	96	90 - 110	P	12/20/2024	23:01	LB134054
	Antimony	5010	5000	100	90 - 110	P	12/20/2024	23:01	LB134054
	Arsenic	5020	5000	100	90 - 110	P	12/20/2024	23:01	LB134054
	Barium	9290	10000	93	90 - 110	P	12/20/2024	23:01	LB134054
	Beryllium	238	250	95	90 - 110	P	12/20/2024	23:01	LB134054
	Cadmium	2480	2500	99	90 - 110	P	12/20/2024	23:01	LB134054
	Calcium	23900	25000	95	90 - 110	P	12/20/2024	23:01	LB134054
	Chromium	1020	1000	102	90 - 110	P	12/20/2024	23:01	LB134054
	Cobalt	2470	2500	99	90 - 110	P	12/20/2024	23:01	LB134054
	Copper	1260	1250	101	90 - 110	P	12/20/2024	23:01	LB134054
	Iron	4980	5000	100	90 - 110	P	12/20/2024	23:01	LB134054
	Lead	4960	5000	99	90 - 110	P	12/20/2024	23:01	LB134054
	Magnesium	24500	25000	98	90 - 110	P	12/20/2024	23:01	LB134054
	Manganese	2450	2500	98	90 - 110	P	12/20/2024	23:01	LB134054
	Nickel	2480	2500	99	90 - 110	P	12/20/2024	23:01	LB134054
	Potassium	24900	25000	100	90 - 110	P	12/20/2024	23:01	LB134054

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	5050	5000	101	90 - 110	P	12/20/2024	23:01	LB134054
	Silver	1250	1250	100	90 - 110	P	12/20/2024	23:01	LB134054
	Sodium	25400	25000	102	90 - 110	P	12/20/2024	23:01	LB134054
	Thallium	4970	5000	99	90 - 110	P	12/20/2024	23:01	LB134054
	Vanadium	2400	2500	96	90 - 110	P	12/20/2024	23:01	LB134054
	Zinc	2480	2500	99	90 - 110	P	12/20/2024	23:01	LB134054
CCV09	Aluminum	9660	10000	97	90 - 110	P	12/20/2024	23:55	LB134054
	Antimony	4970	5000	100	90 - 110	P	12/20/2024	23:55	LB134054
	Arsenic	4940	5000	99	90 - 110	P	12/20/2024	23:55	LB134054
	Barium	9220	10000	92	90 - 110	P	12/20/2024	23:55	LB134054
	Beryllium	239	250	96	90 - 110	P	12/20/2024	23:55	LB134054
	Cadmium	2450	2500	98	90 - 110	P	12/20/2024	23:55	LB134054
	Calcium	23800	25000	95	90 - 110	P	12/20/2024	23:55	LB134054
	Chromium	1020	1000	102	90 - 110	P	12/20/2024	23:55	LB134054
	Cobalt	2450	2500	98	90 - 110	P	12/20/2024	23:55	LB134054
	Copper	1250	1250	100	90 - 110	P	12/20/2024	23:55	LB134054
	Iron	4940	5000	99	90 - 110	P	12/20/2024	23:55	LB134054
	Lead	4900	5000	98	90 - 110	P	12/20/2024	23:55	LB134054
	Magnesium	24400	25000	98	90 - 110	P	12/20/2024	23:55	LB134054
	Manganese	2460	2500	98	90 - 110	P	12/20/2024	23:55	LB134054
	Nickel	2450	2500	98	90 - 110	P	12/20/2024	23:55	LB134054
	Potassium	24700	25000	99	90 - 110	P	12/20/2024	23:55	LB134054
	Selenium	4950	5000	99	90 - 110	P	12/20/2024	23:55	LB134054
	Silver	1240	1250	99	90 - 110	P	12/20/2024	23:55	LB134054
	Sodium	25200	25000	101	90 - 110	P	12/20/2024	23:55	LB134054
	Thallium	4950	5000	99	90 - 110	P	12/20/2024	23:55	LB134054
	Vanadium	2400	2500	96	90 - 110	P	12/20/2024	23:55	LB134054
	Zinc	2460	2500	98	90 - 110	P	12/20/2024	23:55	LB134054

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.16	0.2	82	40 - 160	CV	12/18/2024	13:45	LB133991
CRI01	Aluminum	102	100	102	40 - 160	P	12/20/2024	16:26	LB134054
	Antimony	49.3	50.0	99	40 - 160	P	12/20/2024	16:26	LB134054
	Arsenic	21.1	20.0	106	40 - 160	P	12/20/2024	16:26	LB134054
	Barium	87.8	100	88	40 - 160	P	12/20/2024	16:26	LB134054
	Beryllium	5.71	6.0	95	40 - 160	P	12/20/2024	16:26	LB134054
	Cadmium	5.88	6.0	98	40 - 160	P	12/20/2024	16:26	LB134054
	Calcium	1880	2000	94	40 - 160	P	12/20/2024	16:26	LB134054
	Chromium	10.2	10.0	102	40 - 160	P	12/20/2024	16:26	LB134054
	Cobalt	29.0	30.0	97	40 - 160	P	12/20/2024	16:26	LB134054
	Copper	21.8	20.0	109	40 - 160	P	12/20/2024	16:26	LB134054
	Iron	96.6	100	97	40 - 160	P	12/20/2024	16:26	LB134054
	Lead	11.1	12.0	93	40 - 160	P	12/20/2024	16:26	LB134054
	Magnesium	2050	2000	103	40 - 160	P	12/20/2024	16:26	LB134054
	Manganese	18.9	20.0	95	40 - 160	P	12/20/2024	16:26	LB134054
	Nickel	39.0	40.0	98	40 - 160	P	12/20/2024	16:26	LB134054
	Potassium	2100	2000	105	40 - 160	P	12/20/2024	16:26	LB134054
	Selenium	18.3	20.0	92	40 - 160	P	12/20/2024	16:26	LB134054
	Silver	10.3	10.0	103	40 - 160	P	12/20/2024	16:26	LB134054
	Sodium	1950	2000	97	40 - 160	P	12/20/2024	16:26	LB134054
	Thallium	38.5	40.0	96	40 - 160	P	12/20/2024	16:26	LB134054
	Vanadium	33.3	40.0	83	40 - 160	P	12/20/2024	16:26	LB134054
	Zinc	38.8	40.0	97	40 - 160	P	12/20/2024	16:26	LB134054

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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	239000	255000	94	216000	294000	12/20/2024	16:30	LB134054
	Antimony	0.15			-50	50	12/20/2024	16:30	LB134054
	Arsenic	-1.51			-20	20	12/20/2024	16:30	LB134054
	Barium	2.79	6.0	46	-94	106	12/20/2024	16:30	LB134054
	Beryllium	1.43			-6	6	12/20/2024	16:30	LB134054
	Cadmium	-0.99	1.0	99	-5	7	12/20/2024	16:30	LB134054
	Calcium	225000	245000	92	208000	282000	12/20/2024	16:30	LB134054
	Chromium	60.0	52.0	115	42	62	12/20/2024	16:30	LB134054
	Cobalt	1.46			-30	30	12/20/2024	16:30	LB134054
	Copper	16.4	2.0	820	-18	22	12/20/2024	16:30	LB134054
	Iron	103000	101000	102	85600	116500	12/20/2024	16:30	LB134054
	Lead	6.97			-12	12	12/20/2024	16:30	LB134054
	Magnesium	247000	255000	97	216000	294000	12/20/2024	16:30	LB134054
	Manganese	4.79	7.0	68	-13	27	12/20/2024	16:30	LB134054
	Nickel	2.13	2.0	106	-38	42	12/20/2024	16:30	LB134054
	Potassium	136			0	0	12/20/2024	16:30	LB134054
	Selenium	-16.6			-20	20	12/20/2024	16:30	LB134054
	Silver	-3.17			-10	10	12/20/2024	16:30	LB134054
	Sodium	5.98			0	0	12/20/2024	16:30	LB134054
	Thallium	11.1			-40	40	12/20/2024	16:30	LB134054
	Vanadium	4.97			-40	40	12/20/2024	16:30	LB134054
	Zinc	0.10			-40	40	12/20/2024	16:30	LB134054
ICSAB01	Aluminum	236000	247000	96	209000	285000	12/20/2024	16:34	LB134054
	Antimony	632	618	102	525	711	12/20/2024	16:34	LB134054
	Arsenic	113	104	109	88.4	120	12/20/2024	16:34	LB134054
	Barium	460	537	86	437	637	12/20/2024	16:34	LB134054
	Beryllium	492	495	99	420	570	12/20/2024	16:34	LB134054
	Cadmium	1040	972	107	826	1120	12/20/2024	16:34	LB134054
	Calcium	222000	235000	94	199000	271000	12/20/2024	16:34	LB134054
	Chromium	604	542	111	460	624	12/20/2024	16:34	LB134054
	Cobalt	523	476	110	404	548	12/20/2024	16:34	LB134054
	Copper	520	511	102	434	588	12/20/2024	16:34	LB134054
	Iron	101000	99300	102	84400	114500	12/20/2024	16:34	LB134054
	Lead	56.2	49.0	115	37	61	12/20/2024	16:34	LB134054
	Magnesium	244000	248000	98	210000	286000	12/20/2024	16:34	LB134054
	Manganese	487	507	96	430	584	12/20/2024	16:34	LB134054
	Nickel	1040	954	109	810	1100	12/20/2024	16:34	LB134054
	Potassium	163			0	0	12/20/2024	16:34	LB134054
	Selenium	34.2	46.0	74	26	66	12/20/2024	16:34	LB134054
	Silver	201	201	100	170	232	12/20/2024	16:34	LB134054
	Sodium	5.70			0	0	12/20/2024	16:34	LB134054
	Thallium	95.5	108	88	68	148	12/20/2024	16:34	LB134054

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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	474	491	96	417	565	12/20/2024	16:34	LB134054
	Zinc	1080	952	113	809	1095	12/20/2024	16:34	LB134054

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P5299

contract: PORT06 **lab code:** CHEM **case no.:** P5299 **sas no.:** P5299

matrix: Solid **sample id:** P5299-04 **client id:** SB-02MS

Percent Solids for Sample: 79.2 **Spiked ID:** P5299-04MS **Percent Solids for Spike Sample:** 79.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6830		6080		120	625		P
Antimony	mg/Kg	75 - 125	16.2		2.92	U	47.0	34	N	P
Arsenic	mg/Kg	75 - 125	38.9		1.80		47.0	79		P
Barium	mg/Kg	75 - 125	40.6		35.4		11.7	45	N	P
Beryllium	mg/Kg	75 - 125	9.20		0.52		11.7	74	N	P
Cadmium	mg/Kg	75 - 125	11.0		0.058	J	11.7	94		P
Calcium	mg/Kg	75 - 125	825		995		58.7	-290		P
Chromium	mg/Kg	75 - 125	34.5		18.6		23.5	67	N	P
Cobalt	mg/Kg	75 - 125	17.3		5.94		11.7	97		P
Copper	mg/Kg	75 - 125	28.0		14.6		17.6	76		P
Iron	mg/Kg	75 - 125	11400		13100		180	-992		P
Lead	mg/Kg	75 - 125	65.9		11.4		58.7	93		P
Magnesium	mg/Kg	75 - 125	2130		1980		120	121		P
Manganese	mg/Kg	75 - 125	134		136		11.7	-16		P
Nickel	mg/Kg	75 - 125	39.6		12.8		29.4	91		P
Potassium	mg/Kg	75 - 125	1180		801		590	64	N	P
Selenium	mg/Kg	75 - 125	83.1		1.17	U	120	69	N	P
Silver	mg/Kg	75 - 125	3.46		0.59	U	4.4	79		P
Sodium	mg/Kg	75 - 125	261		120		180	79		P
Thallium	mg/Kg	75 - 125	108		2.34	U	120	90		P
Vanadium	mg/Kg	75 - 125	27.8		15.9		17.6	68	N	P
Zinc	mg/Kg	75 - 125	38.4		27.2		11.7	96		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P5299

contract: PORT06 **lab code:** CHEM **case no.:** P5299 **sas no.:** P5299

matrix: Solid **sample id:** P5299-04 **client id:** SB-02MSD

Percent Solids for Sample: 79.2 **Spiked ID:** P5299-04MSD **Percent Solids for Spike Sample:** 79.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5940		6080		100	-134		P
Antimony	mg/Kg	75 - 125	14.4		2.92	U	40.9	35	N	P
Arsenic	mg/Kg	75 - 125	34.8		1.80		40.9	81		P
Barium	mg/Kg	75 - 125	35.4		35.4		10.2	0	N	P
Beryllium	mg/Kg	75 - 125	8.14		0.52		10.2	75		P
Cadmium	mg/Kg	75 - 125	9.77		0.058	J	10.2	95		P
Calcium	mg/Kg	75 - 125	711		995		51.1	-557		P
Chromium	mg/Kg	75 - 125	30.1		18.6		20.4	56	N	P
Cobalt	mg/Kg	75 - 125	15.2		5.94		10.2	91		P
Copper	mg/Kg	75 - 125	25.1		14.6		15.3	68	N	P
Iron	mg/Kg	75 - 125	9860		13100		150	-2190		P
Lead	mg/Kg	75 - 125	58.7		11.4		51.1	93		P
Magnesium	mg/Kg	75 - 125	1830		1980		100	-157		P
Manganese	mg/Kg	75 - 125	116		136		10.2	-194		P
Nickel	mg/Kg	75 - 125	35.1		12.8		25.6	87		P
Potassium	mg/Kg	75 - 125	1020		801		510	44	N	P
Selenium	mg/Kg	75 - 125	74.0		1.17	U	100	74	N	P
Silver	mg/Kg	75 - 125	3.02		0.59	U	3.8	80		P
Sodium	mg/Kg	75 - 125	225		120		150	70	N	P
Thallium	mg/Kg	75 - 125	95.0		2.34	U	100	95		P
Vanadium	mg/Kg	75 - 125	24.0		15.9		15.3	53	N	P
Zinc	mg/Kg	75 - 125	33.7		27.2		10.2	64	N	P

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P5299

contract: PORT06 **lab code:** CHEM **case no.:** P5299 **sas no.:** P5299

matrix: Solid **sample id:** P5301-03 **client id:** HR-04-121624MS

Percent Solids for Sample: 89.4 **Spiked ID:** P5301-03MS **Percent Solids for Spike Sample:** 89.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.25		0.035		0.28	77	N	CV

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P5299

contract: PORT06 **lab code:** CHEM **case no.:** P5299 **sas no.:** P5299

matrix: Solid **sample id:** P5301-03 **client id:** HR-04-121624MSD

Percent Solids for Sample: 89.4 **Spiked ID:** P5301-03MSD **Percent Solids for Spike Sample:** 89.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.24		0.035		0.28	74	N	CV

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Matrix: Solid **Level:** LOW **Client ID:** SB-02A

Sample ID: P5299-04 **Spiked ID:** P5299-04A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	16.2		2.92	U	46.8	35		P
Barium	mg/Kg	75 - 125	40.4		35.4		11.7	43		P
Beryllium	mg/Kg	75 - 125	9.31		0.52		11.7	75		P
Chromium	mg/Kg	75 - 125	34.3		18.6		23.4	67		P
Copper	mg/Kg	75 - 125	28.4		14.6		17.5	79		P
Potassium	mg/Kg	75 - 125	1160		801		580	61		P
Selenium	mg/Kg	75 - 125	83.7		1.17	U	120	70		P
Sodium	mg/Kg	75 - 125	256		120		180	76		P
Vanadium	mg/Kg	75 - 125	27.7		15.9		17.5	67		P
Zinc	mg/Kg	75 - 125	38.2		27.2		11.7	94		P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Matrix: Solid **Level:** LOW **Client ID:** HR-04-121624A

Sample ID: P5301-03 **Spiked ID:** P5301-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.29		0.035		0.30	85		CV

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Matrix: Solid **Sample ID:** P5299-04 **Client ID:** SB-02DUP

Percent Solids for Sample: 79.2 **Duplicate ID** P5299-04DUP **Percent Solids for Spike Sample:** 79.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6080		5860		4		P
Antimony	mg/Kg	20	2.92	U	2.79	U			P
Arsenic	mg/Kg	20	1.80		1.72		5		P
Barium	mg/Kg	20	35.4		33.9		4		P
Beryllium	mg/Kg	20	0.52		0.51		3		P
Cadmium	mg/Kg	20	0.058	J	0.045	J	25		P
Calcium	mg/Kg	20	995		959		4		P
Chromium	mg/Kg	20	18.6		18.0		3		P
Cobalt	mg/Kg	20	5.94		5.75		3		P
Copper	mg/Kg	20	14.6		14.1		3		P
Iron	mg/Kg	20	13100		12700		3		P
Lead	mg/Kg	20	11.4		10.9		4		P
Magnesium	mg/Kg	20	1980		1910		4		P
Manganese	mg/Kg	20	136		131		4		P
Nickel	mg/Kg	20	12.8		12.3		4		P
Potassium	mg/Kg	20	801		770		4		P
Selenium	mg/Kg	20	1.17	U	1.12	U			P
Silver	mg/Kg	20	0.59	U	0.56	U			P
Sodium	mg/Kg	20	120		115		4		P
Thallium	mg/Kg	20	2.34	U	2.23	U			P
Vanadium	mg/Kg	20	15.9		15.3		4		P
Zinc	mg/Kg	20	27.2		26.4		3		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

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Matrix: Solid **Sample ID:** P5299-04MS **Client ID:** SB-02MSD

Percent Solids for Sample: 79.2 **Duplicate ID** P5299-04MSD **Percent Solids for Spike Sample:** 79.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6830		5940		14		P
Antimony	mg/Kg	20	16.2		14.4		12		P
Arsenic	mg/Kg	20	38.9		34.8		11		P
Barium	mg/Kg	20	40.6		35.4		14		P
Beryllium	mg/Kg	20	9.20		8.14		12		P
Cadmium	mg/Kg	20	11.0		9.77		12		P
Calcium	mg/Kg	20	825		711		15		P
Chromium	mg/Kg	20	34.5		30.1		14		P
Cobalt	mg/Kg	20	17.3		15.2		13		P
Copper	mg/Kg	20	28.0		25.1		11		P
Iron	mg/Kg	20	11400		9860		14		P
Lead	mg/Kg	20	65.9		58.7		12		P
Magnesium	mg/Kg	20	2130		1830		15		P
Manganese	mg/Kg	20	134		116		14		P
Nickel	mg/Kg	20	39.6		35.1		12		P
Potassium	mg/Kg	20	1180		1020		15		P
Selenium	mg/Kg	20	83.1		74.0		12		P
Silver	mg/Kg	20	3.46		3.02		14		P
Sodium	mg/Kg	20	261		225		15		P
Thallium	mg/Kg	20	108		95.0		13		P
Vanadium	mg/Kg	20	27.8		24.0		15		P
Zinc	mg/Kg	20	38.4		33.7		13		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

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Matrix: Solid **Sample ID:** P5301-03 **Client ID:** HR-04-121624DUP

Percent Solids for Sample: 89.4 **Duplicate ID** P5301-03DUP **Percent Solids for Spike Sample:** 89.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.035		0.031		12		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Matrix: Solid **Sample ID:** P5301-03MS **Client ID:** HR-04-121624MSD

Percent Solids for Sample: 89.4 **Duplicate ID** P5301-03MSD **Percent Solids for Spike Sample:** 89.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.25		0.24		3		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.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165722BS							
Aluminum	mg/Kg	88.1	79.5		90	80 - 120	P
Antimony	mg/Kg	35.2	33.9		96	80 - 120	P
Arsenic	mg/Kg	35.2	35.1		100	80 - 120	P
Barium	mg/Kg	8.8	7.36		84	80 - 120	P
Beryllium	mg/Kg	8.8	8.30		94	80 - 120	P
Cadmium	mg/Kg	8.8	8.38		95	80 - 120	P
Calcium	mg/Kg	44.1	40.7	J	92	80 - 120	P
Chromium	mg/Kg	17.6	17.8		101	80 - 120	P
Cobalt	mg/Kg	8.8	8.42		96	80 - 120	P
Copper	mg/Kg	13.2	13.4		102	80 - 120	P
Iron	mg/Kg	130	127		98	80 - 120	P
Lead	mg/Kg	44.1	42.0		95	80 - 120	P
Magnesium	mg/Kg	88.1	84.3	J	96	80 - 120	P
Manganese	mg/Kg	8.8	8.44		96	80 - 120	P
Nickel	mg/Kg	22.0	21.3		97	80 - 120	P
Potassium	mg/Kg	440	416		94	80 - 120	P
Selenium	mg/Kg	88.1	85.7		97	80 - 120	P
Silver	mg/Kg	3.3	3.28		99	80 - 120	P
Sodium	mg/Kg	130	128		98	80 - 120	P
Thallium	mg/Kg	88.1	85.7		97	80 - 120	P
Vanadium	mg/Kg	13.2	11.9		90	80 - 120	P
Zinc	mg/Kg	8.8	8.69		99	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165728BS							
Mercury	mg/Kg	0.26	0.22		86	80 - 124	CV

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

SB-02L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb134054 **Lab Sample ID :** P5299-04L **SDG No.:** P5299

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	6080		7050		16		P
Antimony	2.92	U	14.6	U			P
Arsenic	1.80		5.85	U	100.0		P
Barium	35.4		40.0		13		P
Beryllium	0.52		0.64	J	22		P
Cadmium	0.058	J	1.75	U	100.0		P
Calcium	995		1180		18		P
Chromium	18.6		22.4		20		P
Cobalt	5.94		6.00	J	1		P
Copper	14.6		17.6		20		P
Iron	13100		14900		13		P
Lead	11.4		12.0		5		P
Magnesium	1980		2370		19		P
Manganese	136		162		19		P
Nickel	12.8		13.2		3		P
Potassium	801		919		15		P
Selenium	1.17	U	5.85	U			P
Silver	0.59	U	2.92	U			P
Sodium	120		585	U	100.0		P
Thallium	2.34	U	11.7	U			P
Vanadium	15.9		17.7		11		P
Zinc	27.2		31.4		15		P

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

HR-04-121624L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb133991 **Lab Sample ID :** P5301-03L **SDG No.:** P5299

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.035		0.075	U	100.0		CV

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metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** P5299 **Sas no.:** P5299 **Sdg no.:** P5299

Instrument id number: **Method:** **Run number:** LB133991

Start date: 12/18/2024 **End date:** 12/18/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1319	HG
S0.2	S0.2	1	1322	HG
S2.5	S2.5	1	1324	HG
S5	S5	1	1326	HG
S7.5	S7.5	1	1328	HG
S10	S10	1	1331	HG
ICV24	ICV24	1	1336	HG
ICB24	ICB24	1	1339	HG
CCV42	CCV42	1	1341	HG
CCB42	CCB42	1	1343	HG
CRA	CRA	1	1345	HG
PB165728BL	PB165728BL	1	1352	HG
PB165728BS	PB165728BS	1	1355	HG
P5299-01	SB-01	1	1357	HG
P5299-02	SB-02	1	1359	HG
P5299-03	SB-01	1	1402	HG
P5299-04	SB-02	1	1404	HG
CCV43	CCV43	1	1408	HG
CCB43	CCB43	1	1411	HG
P5301-03DUP	HR-04-121624DUP	1	1425	HG
P5301-03MS	HR-04-121624MS	1	1427	HG
P5301-03MSD	HR-04-121624MSD	1	1429	HG
CCV44	CCV44	1	1445	HG
CCB44	CCB44	1	1448	HG
P5301-03L	HR-04-121624L	5	1503	HG
P5301-03A	HR-04-121624A	1	1505	HG
CCV45	CCV45	1	1507	HG
CCB45	CCB45	1	1509	HG

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metals
- 14 -
ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** P5299 **Sas no.:** P5299 **Sdg no.:** P5299

Instrument id number: **Method:** **Run number:** LB134054

Start date: 12/20/2024 **End date:** 12/21/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1541	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	1546	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	1550	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	1554	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	1558	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	1603	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	1607	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	1611	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	1621	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	1626	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	1630	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	1634	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	1647	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	1651	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	1729	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	1734	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	1812	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	1816	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5299-01	SB-01	1	1838	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	1902	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	1911	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	1957	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	2001	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5299-02	SB-02	1	2006	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5299-03	SB-01	1	2010	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5299-04	SB-02	1	2014	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5299-04DUP	SB-02DUP	1	2018	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5299-04L	SB-02L	5	2022	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5299-04MS	SB-02MS	1	2026	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5299-04MSD	SB-02MSD	1	2030	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P5299-04A	SB-02A	1	2034	Ba,Be,Cr,Cu,K,Na,Sb,Se,V,Zn
PB165722BL	PB165722BL	1	2038	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB165722BS	PB165722BS	1	2043	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	2047	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	2051	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	2137	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	2204	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	2301	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	2312	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	2355	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	0005	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P5299 **SAS No.:** P5299

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:	P5299	**OrderDate:**	12/16/2024 12:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5299-01	**SB-01**	**SOIL**			**12/14/24**			**12/16/24**
			Mercury	7471B		12/18/24	12/18/24	
			Metals ICP-TAL	6010D		12/18/24	12/20/24	
P5299-02	**SB-02**	**SOIL**			**12/15/24**			**12/16/24**
			Mercury	7471B		12/18/24	12/18/24	
			Metals ICP-TAL	6010D		12/18/24	12/20/24	
P5299-03	**SB-01**	**SOIL**			**12/15/24**			**12/16/24**
			Mercury	7471B		12/18/24	12/18/24	
			Metals ICP-TAL	6010D		12/18/24	12/20/24	
P5299-04	**SB-02**	**SOIL**			**12/15/24**			**12/16/24**
			Mercury	7471B		12/18/24	12/18/24	
			Metals ICP-TAL	6010D		12/18/24	12/20/24	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: P5299 **SAS No.:** P5299

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB165722**						
P5299-01	SB-01	SAM	SOLID	12/18/2024	2.12	100.0	78.50
P5299-02	SB-02	SAM	SOLID	12/18/2024	2.24	100.0	75.50
P5299-03	SB-01	SAM	SOLID	12/18/2024	2.32	100.0	68.80
P5299-04	SB-02	SAM	SOLID	12/18/2024	2.16	100.0	79.20
P5299-04DUP	SB-02DUP	DUP	SOLID	12/18/2024	2.26	100.0	79.20
P5299-04MS	SB-02MS	MS	SOLID	12/18/2024	2.15	100.0	79.20
P5299-04MSD	SB-02MSD	MSD	SOLID	12/18/2024	2.47	100.0	79.20
PB165722BL	PB165722BL	MB	SOLID	12/18/2024	2.27	100.0	100.00
PB165722BS	PB165722BS	LCS	SOLID	12/18/2024	2.27	100.0	100.00

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: P5299 **SAS No.:** P5299

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB165728**						
P5299-01	SB-01	SAM	SOLID	12/18/2024	0.60	35.0	78.50
P5299-02	SB-02	SAM	SOLID	12/18/2024	0.50	35.0	75.50
P5299-03	SB-01	SAM	SOLID	12/18/2024	0.59	35.0	68.80
P5299-04	SB-02	SAM	SOLID	12/18/2024	0.51	35.0	79.20
P5301-03DUP	HR-04-121624DUP	DUP	SOLID	12/18/2024	0.51	35.0	89.40
P5301-03MS	HR-04-121624MS	MS	SOLID	12/18/2024	0.55	35.0	89.40
P5301-03MSD	HR-04-121624MSD	MSD	SOLID	12/18/2024	0.56	35.0	89.40
PB165728BL	PB165728BL	MB	SOLID	12/18/2024	0.52	35.0	100.00
PB165728BS	PB165728BS	LCS	SOLID	12/18/2024	0.54	35.0	100.00

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133991

Review By	jaswal	Review On	12/18/2024 10:30:30 PM
Supervise By	mohan	Supervise On	12/18/2024 10:30:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP83676,MP83677,MP83678,MP83679,MP83680,MP83681
ICV Standard	MP83682
CCV Standard	MP83684
ICSA Standard	
CRI Standard	MP83686
LCS Standard	
Chk Standard	MP83683,MP83685,MP83687,MP83689

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	12/18/24 13:19		Mohan	OK
2	S0.2	S0.2	CAL2	12/18/24 13:22		Mohan	OK
3	S2.5	S2.5	CAL3	12/18/24 13:24		Mohan	OK
4	S5	S5	CAL4	12/18/24 13:26		Mohan	OK
5	S7.5	S7.5	CAL5	12/18/24 13:28		Mohan	OK
6	S10	S10	CAL6	12/18/24 13:31		Mohan	OK
7	ICV24	ICV24	ICV	12/18/24 13:36		Mohan	OK
8	ICB24	ICB24	ICB	12/18/24 13:39		Mohan	OK
9	CCV42	CCV42	CCV	12/18/24 13:41		Mohan	OK
10	CCB42	CCB42	CCB	12/18/24 13:43		Mohan	OK
11	CRA	CRA	CRDL	12/18/24 13:45		Mohan	OK
12	HighStd	HighStd	HIGH STD	12/18/24 13:48		Mohan	OK
13	ChkStd	ChkStd	SAM	12/18/24 13:50		Mohan	OK
14	PB165728BL	PB165728BL	MB	12/18/24 13:52		Mohan	OK
15	PB165728BS	PB165728BS	LCS	12/18/24 13:55		Mohan	OK
16	P5299-01	SB-01	SAM	12/18/24 13:57		Mohan	OK
17	P5299-02	SB-02	SAM	12/18/24 13:59		Mohan	OK
18	P5299-03	SB-01	SAM	12/18/24 14:02		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133991

Review By	jaswal	Review On	12/18/2024 10:30:30 PM
Supervise By	mohan	Supervise On	12/18/2024 10:30:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP83676,MP83677,MP83678,MP83679,MP83680,MP83681
ICV Standard	MP83682
CCV Standard	MP83684
ICSA Standard	
CRI Standard	MP83686
LCS Standard	
Chk Standard	MP83683,MP83685,MP83687,MP83689

19	P5299-04	SB-02	SAM	12/18/24 14:04		Mohan	OK
20	P5301-01	HR-01-121624	SAM	12/18/24 14:06		Mohan	OK
21	CCV43	CCV43	CCV	12/18/24 14:08		Mohan	OK
22	CCB43	CCB43	CCB	12/18/24 14:11		Mohan	OK
23	P5301-03	HR-04-121624	SAM	12/18/24 14:13		Mohan	OK
24	P5301-03DUP	HR-04-121624DUP	DUP	12/18/24 14:25		Mohan	OK
25	P5301-03MS	HR-04-121624MS	MS	12/18/24 14:27		Mohan	OK
26	P5301-03MSD	HR-04-121624MSD	MSD	12/18/24 14:29		Mohan	OK
27	P5306-01	OU4-VSL-07-121224	SAM	12/18/24 14:32		Mohan	OK
28	P5306-03	OU4-VSL-08-121224	SAM	12/18/24 14:34		Mohan	OK
29	P5306-05	OU4-VSL-09-121224	SAM	12/18/24 14:36		Mohan	OK
30	P5306-07	OU4-VSL-10-121224	SAM	12/18/24 14:38		Mohan	OK
31	P5306-09	OU4-VSL-11-121224	SAM	12/18/24 14:41		Mohan	OK
32	P5306-11	OU4-VSL-12-121224	SAM	12/18/24 14:43		Mohan	OK
33	CCV44	CCV44	CCV	12/18/24 14:45		Mohan	OK
34	CCB44	CCB44	CCB	12/18/24 14:48		Mohan	OK
35	P5306-13	OU4-VSL-13-121224	SAM	12/18/24 14:50		Mohan	OK
36	P5306-15	OU4-VSL-14-121224	SAM	12/18/24 14:52		Mohan	OK
37	P5312-01	SOIL-VNJ-222	SAM	12/18/24 14:54		Mohan	OK
38	P5312-03	CONCRETE-VNJ-222	SAM	12/18/24 14:57		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133991

Review By	jaswal	Review On	12/18/2024 10:30:30 PM
Supervise By	mohan	Supervise On	12/18/2024 10:30:55 PM

STD. NAME	STD REF.#
ICAL Standard	MP83676,MP83677,MP83678,MP83679,MP83680,MP83681
ICV Standard	MP83682
CCV Standard	MP83684
ICSA Standard	
CRI Standard	MP83686
LCS Standard	
Chk Standard	MP83683,MP83685,MP83687,MP83689

39	P5301-03L	HR-04-121624L	SD	12/18/24 15:03		Mohan	OK
40	P5301-03A	HR-04-121624A	PS	12/18/24 15:05		Mohan	OK
41	CCV45	CCV45	CCV	12/18/24 15:07		Mohan	OK
42	CCB45	CCB45	CCB	12/18/24 15:09		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134054

Review By	jaswal	Review On	12/25/2024 1:47:05 AM
Supervise By	Mohan	Supervise On	12/25/2024 1:47:33 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	12/20/24 15:41		Kareem	OK
2	S1	S1	CAL2	12/20/24 15:46		Kareem	OK
3	S2	S2	CAL3	12/20/24 15:50		Kareem	OK
4	S3	S3	CAL4	12/20/24 15:54		Kareem	OK
5	S4	S4	CAL5	12/20/24 15:58		Kareem	OK
6	S5	S5	CAL6	12/20/24 16:03		Kareem	OK
7	ICV01	ICV01	ICV	12/20/24 16:07	ICV fail for Ba,Mg,V (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	12/20/24 16:11		Kareem	OK
9	ICB01	ICB01	ICB	12/20/24 16:21		Kareem	OK
10	CRI01	CRI01	CRDL	12/20/24 16:26		Kareem	OK
11	ICSA01	ICSA01	ICSA	12/20/24 16:30		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	12/20/24 16:34		Kareem	OK
13	ICSADL	ICSADL	ICSA	12/20/24 16:38		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	12/20/24 16:43		Kareem	OK
15	CCV01	CCV01	CCV	12/20/24 16:47		Kareem	OK
16	CCB01	CCB01	CCB	12/20/24 16:51		Kareem	OK
17	P5312-01	SOIL-VNJ-222	SAM	12/20/24 16:55		Kareem	OK
18	P5343-01	VNJ210	SAM	12/20/24 17:00		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134054

Review By	jaswal	Review On	12/25/2024 1:47:05 AM
Supervise By	Mohan	Supervise On	12/25/2024 1:47:33 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

19	P5316-01	TT-304-IDWSO-2024	SAM	12/20/24 17:04		Kareem	OK
20	P5343-03	VNJ281	SAM	12/20/24 17:08		Kareem	OK
21	P5312-03	CONCRETE-VNJ-222	SAM	12/20/24 17:12		Kareem	OK
22	P5279-02	ROCKAWAY-PARK	SAM	12/20/24 17:16		Kareem	OK
23	P5192-02	EFF-WASTE WATER	SAM	12/20/24 17:21		Kareem	OK
24	P5327-01	12175-12176-12177-1	SAM	12/20/24 17:25		Kareem	OK
25	CCV02	CCV02	CCV	12/20/24 17:29		Kareem	OK
26	CCB02	CCB02	CCB	12/20/24 17:34		Kareem	OK
27	PB165738BL	PB165738BL	MB	12/20/24 17:38		Kareem	OK
28	PB165738BS	PB165738BS	LCS	12/20/24 17:42		Kareem	OK
29	PB165754BL	PB165754BL	MB	12/20/24 17:46		Kareem	OK
30	PB165754BS	PB165754BS	LCS	12/20/24 17:51		Kareem	OK
31	PB165720BL	PB165720BL	MB	12/20/24 17:55		Kareem	OK
32	PB165720BS	PB165720BS	LCS	12/20/24 17:59		Kareem	OK
33	PB165679TB	PB165679TB	MB	12/20/24 18:03		Kareem	OK
34	PB165680TB	PB165680TB	MB	12/20/24 18:08		Kareem	OK
35	CCV03	CCV03	CCV	12/20/24 18:12		Kareem	OK
36	CCB03	CCB03	CCB	12/20/24 18:16		Kareem	OK
37	P5341-01	STORMWATER-AQ-C	SAM	12/20/24 18:21		Kareem	OK
38	P5341-03RE	TOTE-425RE	SAM	12/20/24 18:25	NOT USE	Kareem	Not Ok

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134054

Review By	jaswal	Review On	12/25/2024 1:47:05 AM
Supervise By	Mohan	Supervise On	12/25/2024 1:47:33 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

39	P5343-06	PUMP-WATER-271	SAM	12/20/24 18:29		Kareem	OK
40	P5291-13RE	WC-20241213RE	SAM	12/20/24 18:33	NOT USE	Kareem	Not Ok
41	P5299-01	SB-01	SAM	12/20/24 18:38		Kareem	OK
42	P5327-01DUP	12175-12176-12177-1	DUP	12/20/24 18:42		Kareem	OK
43	P5327-01L	12175-12176-12177-1	SD	12/20/24 18:46		Kareem	OK
44	P5327-01MS	12175-12176-12177-1	MS	12/20/24 18:50		Kareem	OK
45	P5327-01MSD	12175-12176-12177-1	MSD	12/20/24 18:54		Kareem	OK
46	P5327-01A	12175-12176-12177-1	PS	12/20/24 18:58		Kareem	OK
47	CCV04	CCV04	CCV	12/20/24 19:02		Kareem	OK
48	CCB04	CCB04	CCB	12/20/24 19:11		Kareem	OK
49	P5343-06L	PUMP-WATER-271L	SD	12/20/24 19:16		Kareem	OK
50	P5343-06DUP	PUMP-WATER-271D	DUP	12/20/24 19:20		Kareem	OK
51	P5343-06MS	PUMP-WATER-271M	MS	12/20/24 19:24		Kareem	OK
52	P5343-06MSD	PUMP-WATER-271M	MSD	12/20/24 19:28		Kareem	OK
53	P5343-06A	PUMP-WATER-271A	PS	12/20/24 19:32		Kareem	OK
54	P5291-13DUP	WC-20241213DUP	DUP	12/20/24 19:37		Kareem	OK
55	P5291-13L	WC-20241213L	SD	12/20/24 19:41		Kareem	OK
56	P5291-13MS	WC-20241213MS	MS	12/20/24 19:45		Kareem	OK
57	P5291-13MSD	WC-20241213MSD	MSD	12/20/24 19:49		Kareem	OK
58	P5291-13A	WC-20241213A	PS	12/20/24 19:53		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134054

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Supervise By	Mohan	Supervise On	12/25/2024 1:47:33 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

59	CCV05	CCV05	CCV	12/20/24 19:57		Kareem	OK
60	CCB05	CCB05	CCB	12/20/24 20:01		Kareem	OK
61	P5299-02	SB-02	SAM	12/20/24 20:06		Kareem	OK
62	P5299-03	SB-01	SAM	12/20/24 20:10		Kareem	OK
63	P5299-04	SB-02	SAM	12/20/24 20:14		Kareem	OK
64	P5299-04DUP	SB-02DUP	DUP	12/20/24 20:18		Kareem	OK
65	P5299-04L	SB-02L	SD	12/20/24 20:22		Kareem	OK
66	P5299-04MS	SB-02MS	MS	12/20/24 20:26		Kareem	OK
67	P5299-04MSD	SB-02MSD	MSD	12/20/24 20:30		Kareem	OK
68	P5299-04A	SB-02A	PS	12/20/24 20:34		Kareem	OK
69	PB165722BL	PB165722BL	MB	12/20/24 20:38		Kareem	OK
70	PB165722BS	PB165722BS	LCS	12/20/24 20:43		Kareem	OK
71	CCV06	CCV06	CCV	12/20/24 20:47		Kareem	OK
72	CCB06	CCB06	CCB	12/20/24 20:51		Kareem	OK
73	P5330-01	TP-5	SAM	12/20/24 20:55		Kareem	OK
74	P5342-01	CHRT26634	SAM	12/20/24 20:59		Kareem	OK
75	P5342-03	HT2651	SAM	12/20/24 21:04		Kareem	OK
76	P5342-05	RB21198	SAM	12/20/24 21:08		Kareem	OK
77	P5343-03DUP	VNJ281DUP	DUP	12/20/24 21:12		Kareem	OK
78	P5343-03L	VNJ281L	SD	12/20/24 21:16		Kareem	OK

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Instrument ID: P4

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Supervise By	Mohan	Supervise On	12/25/2024 1:47:33 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

79	P5343-03MSD	VNJ281MSD	MSD	12/20/24 21:24		Kareem	OK
80	P5343-03A	VNJ281A	PS	12/20/24 21:28		Kareem	OK
81	PB165753BL	PB165753BL	MB	12/20/24 21:32		Kareem	OK
82	CCV07	CCV07	CCV	12/20/24 21:37		Kareem	OK
83	CCB07	CCB07	CCB	12/20/24 22:04		Kareem	OK
84	PB165753BS	PB165753BS	LCS	12/20/24 22:08		Kareem	OK
85	P5337-01	ETGI-357	SAM	12/20/24 22:12		Kareem	OK
86	P5339-01	TR-06-12182024	SAM	12/20/24 22:17		Kareem	OK
87	P5355-01	RBR251688	SAM	12/20/24 22:21	MS/MSD fail for more than parameters	Kareem	Not Ok
88	P5355-01DUP	RBR251688DUP	DUP	12/20/24 22:25	MS/MSD fail for more than parameters	Kareem	Not Ok
89	P5355-01L	RBR251688L	SD	12/20/24 22:29	MS/MSD fail for more than parameters	Kareem	Not Ok
90	P5355-01MS	RBR251688MS	MS	12/20/24 22:33	MS/MSD fail for more than parameters	Kareem	Not Ok
91	P5355-01MSD	RBR251688MSD	MSD	12/20/24 22:38	MS/MSD fail for more than parameters	Kareem	Not Ok
92	P5355-01A	RBR251688A	PS	12/20/24 22:42	MS/MSD fail for more than parameters	Kareem	Not Ok
93	PB165786BL	PB165786BL	MB	12/20/24 22:46		Kareem	OK
94	CCV08	CCV08	CCV	12/20/24 23:01		Kareem	OK
95	CCB08	CCB08	CCB	12/20/24 23:12		Kareem	OK
96	PB165786BS	PB165786BS	LCS	12/20/24 23:17		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134054

Review By	jaswal	Review On	12/25/2024 1:47:05 AM
Supervise By	Mohan	Supervise On	12/25/2024 1:47:33 AM

STD. NAME	STD REF.#
ICAL Standard	MP83500,MP83507,MP83505,MP83504,MP83503,MP83502,MP83501
ICV Standard	MP83508
CCV Standard	MP83511
ICSA Standard	MP83509,MP83510
CRI Standard	
LCS Standard	
Chk Standard	MP83513,MP83514

97	P5341-03	TOTE-425	SAM	12/20/24 23:21		Kareem	OK
98	P5291-13	WC-20241213	SAM	12/20/24 23:25		Kareem	OK
99	LR1	LR1	HIGH STD	12/20/24 23:29		Kareem	OK
100	LR2	LR2	HIGH STD	12/20/24 23:41		Kareem	OK
101	P5343-03MS	VNJ281MS	MS	12/20/24 23:46		Kareem	OK
102	CCV09	CCV09	CCV	12/20/24 23:55		Kareem	OK
103	CCB09	CCB09	CCB	12/21/24 00:05		Kareem	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB165722

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOC K #3 2. N/A

Start Digest Date: 12/18/2024 **Time :** 12:20 **Temp :** 96 °C

End Digest Date: 12/18/2024 **Time :** 14:25 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. # 3

Dig Technician Signature: SLS.

Supervisor Signature: SG

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6000
LFS-2	1.00	M6009
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00	MP83498
Conc. HNO3	5.00	M6126
30% H2O2	3.00	M6125
Conc. HCL	10.00	M6121
PTFE Boiling Stones	N/A	M5585
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#3 CELL #33 Temp: 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/18/24 15:20	SLS. met digestion	SG Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB165722

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P5299-01	SB-01	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	22
P5299-02	SB-02	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	23
P5299-03	SB-01	N/A	2.32	100	Brown	Yellow	Medium	N/A	N/A	24
P5299-04	SB-02	N/A	2.16	100	Brown	Yellow	Medium	N/A	N/A	25
P5299-04MS	SB-02MS	N/A	2.15	100	Brown	Yellow	Medium	N/A	M6000,M6009	27
P5299-04MSD	SB-02MSD	N/A	2.47	100	Brown	Yellow	Medium	N/A	M6000,M6009	28
P5299-04DUP	SB-02DUP	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	26
P5312-01	SOIL-VNJ-222	N/A	2.41	100	Brown	Yellow	Medium	N/A	N/A	29
P5312-03	CONCRETE-VNJ-222	N/A	2.31	100	Brown	Yellow	Medium	N/A	N/A	30
PB165722BL	PBS722	N/A	2.27	100	Colorless	Colorless	Fine	N/A	N/A	31
PB165722BS	LCS722	N/A	2.27	100	Colorless	Colorless	Fine	N/A	M6000,M6009	32

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB165728

SOP ID : M7471B-Mercury-18

SDG No : N/A

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 12/18/2024 **Time :** 08:35 **Temp :** 94 °C

End Digest Date: 12/18/2024 **Time :** 09:05 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: MB

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP83682
CCV	30mL	MP83684
CRA	30mL	MP83686
Blank Spike	0.48mL	MP83675
Matrix Spike	0.48mL	MP83675

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP83688
KMnO4 (5%)	4.5mL	MP83208
Hydroxylamine HCL (12%)	2.0mL	MP83210
PTFE Boiling Stones	----------	M4583
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP83676
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP83677
2.5 ppb	S2.5	30mL	MP83678
5.0 ppb	S5.0	30mL	MP83679
7.5 ppb	S7.5	30mL	MP83680
10.0 ppb	S10.0	30mL	MP83681
ICV	ICV	30mL	MP83682
ICB	ICB	30mL	MP83683
CCV	CCV	30mL	MP83684
CCB	CCB	30mL	MP83685
CRI	CRI	30mL	MP83686
CHK STD	CHK STD	30mL	MP83687

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/18/24 @ 9:49	MB ~ Digest Lab	MB ~ Metal Lab
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB165728

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
P5299-01	SB-01	0.60	35	NA	N/A	3-1
P5299-02	SB-02	0.50	35	NA	N/A	2
P5299-03	SB-01	0.59	35	NA	N/A	3
P5299-04	SB-02	0.51	35	NA	N/A	4
P5301-01	HR-01-121624	0.57	35	NA	N/A	5
P5301-03	HR-04-121624	0.52	35	NA	N/A	6
P5301-03DUP	HR-04-121624DUP	0.51	35	NA	N/A	7
P5301-03MS	HR-04-121624MS	0.55	35	NA	MP83675	8
P5301-03MSD	HR-04-121624MSD	0.56	35	NA	MP83675	9
P5306-01	OU4-VSL-07-121224	0.59	35	NA	N/A	10
P5306-03	OU4-VSL-08-121224	0.52	35	NA	N/A	11
P5306-05	OU4-VSL-09-121224	0.57	35	NA	N/A	12
P5306-07	OU4-VSL-10-121224	0.52	35	NA	N/A	13
P5306-09	OU4-VSL-11-121224	0.55	35	NA	N/A	14
P5306-11	OU4-VSL-12-121224	0.57	35	NA	N/A	15
P5306-13	OU4-VSL-13-121224	0.58	35	NA	N/A	16
P5306-15	OU4-VSL-14-121224	0.59	35	NA	N/A	17
P5312-01	SOIL-VNJ-222	0.55	35	NA	N/A	18
P5312-03	CONCRETE-VNJ-222	0.52	35	NA	N/A	19
PB165728BL	PBS728	0.52	35	NA	N/A	20
PB165728BS	LCS728	0.54	35	NA	MP83675	21

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:	12/14/24 16:14
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
		% Solid:	78.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.099	U	1	0.099	0.50	mg/Kg	12/20/24 10:45	12/20/24 13:54	7196A
Trivalent Chromium	7.98		1	0.64	0.64	mg/Kg		12/20/24 18:38	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
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:	12/15/24 10:17
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
		% Solid:	75.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.10	U	1	0.10	0.52	mg/Kg	12/20/24 10:45	12/20/24 13:55	7196A
Trivalent Chromium	13.2		1	0.66	0.66	mg/Kg		12/20/24 20:06	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
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:	12/15/24 16:02
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
		% Solid:	68.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.11	U	1	0.11	0.58	mg/Kg	12/20/24 10:45	12/20/24 13:56	7196A
Trivalent Chromium	26.1		1	0.73	0.73	mg/Kg		12/20/24 20:10	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
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:	12/15/24 17:27
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
		% Solid:	79.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.098	U	1	0.098	0.50	mg/Kg	12/20/24 10:45	12/20/24 13:57	7196A
Trivalent Chromium	18.6		1	0.63	0.63	mg/Kg		12/20/24 20:14	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,
Fax : 908 789 8922

Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	P5299
Project:	Amtrak Sawtooth Bridges 2024	**RunNo.:**	LB134045

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.497	0.5	99	90-110	12/20/2024
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	12/20/2024
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	12/20/2024
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	12/20/2024

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Initial and Continuing Calibration Blank Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	P5299
Project:	Amtrak Sawtooth Bridges 2024	**RunNo.:**	LB134045

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	12/20/2024
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	12/20/2024
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	12/20/2024
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	12/20/2024

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Preparation Blank Summary

Client: Portal Partners Tri-Venture **SDG No.:** P5299

Project: Amtrak Sawtooth Bridges 2024

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB165729BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	12/20/2024

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: P5299
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P5339-01
Client ID: TR-06-12182024MS
Percent Solids for Spike Sample: 86.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1410		0.090	U	1490	40	95		12/20/2024

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: P5299
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P5339-01
Client ID: TR-06-12182024MS
Percent Solids for Spike Sample: 86.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	43.7		0.090	U	46.3	2	94		12/20/2024

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: P5299
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P5339-01
Client ID: TR-06-12182024MS
Percent Solids for Spike Sample: 86.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	35.1		0.090	U	46.3	2	76		12/20/2024

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: P5299
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P5339-01
Client ID: TR-06-12182024DUP
Percent Solids for Spike Sample: 86.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.090	U	0.10	U	1	0		12/20/2024

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Laboratory Control Sample Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	P5299
Project:	Amtrak Sawtooth Bridges 2024	**Run No.:**	LB134045

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB165729BS								
Hexavalent Chromium	mg/Kg	20	19.9		100	1	84-110	12/20/2024

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134045

Review By	rubina	Review On	12/20/2024 2:26:57 PM
Supervise By	Iwona	Supervise On	12/20/2024 3:44:23 PM
SubDirectory	LB134045	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	WP111113,WP110380,WP110381,WP108645

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	12/20/24 13:40		rubina	OK
2	CAL2	CAL2	CAL	12/20/24 13:41		rubina	OK
3	CAL3	CAL3	CAL	12/20/24 13:42		rubina	OK
4	CAL4	CAL4	CAL	12/20/24 13:43		rubina	OK
5	CAL5	CAL5	CAL	12/20/24 13:44		rubina	OK
6	CAL6	CAL6	CAL	12/20/24 13:45		rubina	OK
7	CAL7	CAL7	CAL	12/20/24 13:46		rubina	OK
8	ICV	ICV	ICV	12/20/24 13:47		rubina	OK
9	ICB	ICB	ICB	12/20/24 13:48		rubina	OK
10	CCV1	CCV1	CCV	12/20/24 13:49		rubina	OK
11	CCB1	CCB1	CCB	12/20/24 13:50		rubina	OK
12	RL Check	RL Check	SAM	12/20/24 13:51		rubina	OK
13	PB165729BL	PB165729BL	MB	12/20/24 13:52		rubina	OK
14	PB165729BS	PB165729BS	LCS	12/20/24 13:53		rubina	OK
15	P5299-01	SB-01	SAM	12/20/24 13:54		rubina	OK
16	P5299-02	SB-02	SAM	12/20/24 13:55		rubina	OK
17	P5299-03	SB-01	SAM	12/20/24 13:56		rubina	OK
18	P5299-04	SB-02	SAM	12/20/24 13:57		rubina	OK

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Fax : 908 789 8922

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134045

Review By	rubina	Review On	12/20/2024 2:26:57 PM
Supervise By	Iwona	Supervise On	12/20/2024 3:44:23 PM
SubDirectory	LB134045	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	WP111113,WP110380,WP110381,WP108645

19	P5330-01	TP-5	SAM	12/20/24 13:58		rubina	OK
20	P5339-01	TR-06-12182024	SAM	12/20/24 13:59		rubina	OK
21	P5339-01DUP	TR-06-12182024DUP	DUP	12/20/24 14:00		rubina	OK
22	P5339-01MSPre	TR-06-12182024MS	MS	12/20/24 14:01		rubina	OK
23	CCV2	CCV2	CCV	12/20/24 14:02		rubina	OK
24	CCB2	CCB2	CCB	12/20/24 14:03		rubina	OK
25	P5339-01MS2Ins	TR-06-12182024MS	MS	12/20/24 14:04		rubina	OK
26	P5339-01MS3Post	TR-06-12182024MS	MS	12/20/24 14:05		rubina	OK
27	P5355-01	RBR251688	SAM	12/20/24 14:06		rubina	OK
28	CCV3	CCV3	CCV	12/20/24 14:07		rubina	OK
29	CCB3	CCB3	CCB	12/20/24 14:08		rubina	OK

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LAB CHRONICLE

OrderID:	P5299	**OrderDate:**	12/16/2024 12:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5299-01	**SB-01**	**SOIL**			**12/14/24 16:14**			**12/16/24**
			Hexavalent Chromium	7196A		12/20/24	12/20/24 13:54	
			Trivalent Chromium	6010D			12/20/24 18:38	
P5299-02	**SB-02**	**SOIL**			**12/15/24 10:17**			**12/16/24**
			Hexavalent Chromium	7196A		12/20/24	12/20/24 13:55	
			Trivalent Chromium	6010D			12/20/24 20:06	
P5299-03	**SB-01**	**SOIL**			**12/15/24 16:02**			**12/16/24**
			Hexavalent Chromium	7196A		12/20/24	12/20/24 13:56	
			Trivalent Chromium	6010D			12/20/24 20:10	
P5299-04	**SB-02**	**SOIL**			**12/15/24 17:27**			**12/16/24**
			Hexavalent Chromium	7196A		12/20/24	12/20/24 13:57	
			Trivalent Chromium	6010D			12/20/24 20:14	

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Soil/Sludge Hexavalent Chromium Preparation Sheet

PB165729

SOP ID : M3060A,7196A-Hex.Chromium-26

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#3

Block ID : WC S-2, WC S-1

Weigh By : RM

Start Digest Date: 12/20/2024 **Time :** 10:45 **Temp :** 90 °C

End Digest Date: 12/20/2024 **Time :** 11:45 **Temp :** 94 °C

Ti batch 12/20/2024 12/20/2024 12:05 13:05 90c 95c]RM

Digestion tube ID : M6054

Filter paper ID : 400213

pH Meter ID : WC pH meter-1

Block Thermometer ID : WC-Block#1

Prep Technician Signature: RM

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
PRE-DIGESTION SPIKE	2.0ML	WP108658
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP108658
LCSS	1.0ML	WP108659
PBS003	50ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3152
PHOSPHATE BUFFER	0.5ML	WP110498
HEX. DIGESTION SOLN.	50.0ML	WP111052
5M HNO3	5-7ML	WP110381
5N H2SO4	1-3ML	WP110380
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	Vol(ml)	Comment
CAL1	CAL1	2.5ML	W3112
CAL2	CAL2	0.2ML	WP111163
CAL3	CAL3	0.5ML	WP111163
CAL4	CAL4	1ML	WP111163
CAL5	CAL5	0.2ML	WP108658
CAL6	CAL6	1ML	WP108658
CAL7	CAL7	2.0ML	WP108658
ICV	ICV	1ML	WP108659
ICB	ICB	2.5ML	W3112
CCV	CCV	1ML	WP108658
CCB	CCB	2.5ML	W3112

Extraction Conformance/Non-Conformance Comments: 12/20/2024 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

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Soil/Sludge Hexavalent Chromium Preparation Sheet

PB165729

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P5299-01	SB-01	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
P5299-02	SB-02	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
P5299-03	SB-01	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P5299-04	SB-02	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P5330-01	TP-5	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
P5339-01	TR-06-12182024	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
P5339-01DUP	TR-06-12182024DUP	2.23	100	N/A	N/A	N/A	N/A	N/A	N/A
P5339-01MSPre	TR-06-12182024MSPRE	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P5339-01MS2Ins	TR-06-12182024MS2INS	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
P5339-01MS3Post	TR-06-12182024MS3POST	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P5355-01	RBR251688	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
PB165729BL	PBS729	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB165729BS	LCS729	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. P5299
COC Number 2041521

11
11.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannet Fleming
ADDRESS: 1010 Adams Ave
CITY Audobon STATE: PA ZIP: 19405
ATTENTION: Joe Krupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Relacement of SB
PROJECT NO: 15000318 LOCATION: Kearny NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@PEMSYS.COM
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield st
CITY Mountainside STATE: NJ ZIP: 07093
ATTENTION: Samantha Beasley PHONE: 908-788-3148

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 DAYS

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 EDD

ANALYSIS

1 TCL VOC's TCL
2 TCL SVOCs
3 PCBs
4 TAL metals
5 Cr (III)
6 Cr (VI)
7 EDH
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1. B-124	SB-01	S		X	12/14	9:14 PM	5	X	X	X	X	X	X	X			
2. B-124	SB02				12/15	10:17AM	6	X	X	X	X	X	X	X			
3. B-134	SB-01				12/15	4:02 PM	6	X	X	X	X	X	X	X			
4. B-134	SB-02				12/15	5:27 PM	6	X	X	X	X	X	X	X			
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

A

← 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. Dylan Grama	1100 12-16-24	1. 1100 12-16-24
2.		2.
3.	1700 12-16-24	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 °C
Comments:

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5299 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 12/16/2024 12:24:00 PM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 12/16/2024 ~~11:00:00 AM~~ 5:00 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
P5299-01	SB-01	Solid	12/14/2024	16:14					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P5299-02	SB-02	Solid	12/15/2024	10:17					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P5299-03	SB-01	Solid	12/15/2024	16:02					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P5299-04	SB-02	Solid	12/15/2024	17:27					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 12/17/24 0900

Received By :
Date / Time : 12.17.24 09:00

Storage Area : VOA Refridgerator Room