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 : OCEAN COUNTY LANDFILL 2024

TETRA TECH

100 Crystal Run Road

Suite 101

Middletown, NY - 10941

Phone No: 845-695-0229

ORDER ID : P4860

ATTENTION : John Giuliano

Laboratory Certification ID # 20012

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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : CHEMTECH
Client : Tetra Tech
Project Location : Manchester, NJ
Project Number : 209-4243256
Laboratory Sample ID(s) : P4860
Sampling Date(s) : 11/14/2024
List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,6010D,7196A,7471B,8081B,8082A,8260D,8270E,9012B,9045D,NJEPH,SMO**

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 : P4860

Project ID : Ocean County Landfill 2024

Client : Tetra Tech

Lab Sample Number	Client Sample Number
P4860-01	DUP-01
P4860-02	PH2-BOT-001
P4860-03	PH2-BOT-002
P4860-04	PH2-BOT-003
P4860-05	PH2-BOT-004
P4860-06	PH2-BOT-009
P4860-07	PH2-BOT-008
P4860-08	PH2-BOT-007
P4860-09	PH2-BOT-006
P4860-10	PH2-BOT-005

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 : N. N. Pandya

APPROVED

Date: 11/27/2024

By Nimisha Pandya, QA/QC Supervisor at 9:50 am, Dec 02, 2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech
Project Name: Ocean County Landfill 2024
Project # N/A
Chemtech Project # P4860
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 11/14/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20, TCL+30/TAL and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624Sil MS, which is 30 meters, 0.25 mm id, 1.4 um df, Restek Cat. #13868. The Trap was supplied by Supelco, VOCARB 3000, ATOMAX XYZ Concentrator.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 except for PH2-BOT-003 [4-Bromofluorobenzene - 61%, Toluene-d8 - 68%], PH2-BOT-004 [4-Bromofluorobenzene - 61% and Toluene-d8 - 64%]these compounds did not meet the NJDKQP criteria but met the in-house 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 (82D111524S.M) for Bromomethane this compound is passing on Quadratic Regression.

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The %RSD is greater than 20% in the Initial Calibration method (82Y111924S.M) for Chloromethane is passing on Linear Regression.

The Continuous Calibration File ID VD080058.D met the requirements except for 1,2,4-Trichlorobenzene,2-Hexanone,4-Methyl-2-Pentanone and Acetone failing high but no positive hit in associated samples 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.
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 <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:51 am, Dec 02, 2024

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CASE NARRATIVE

Tetra Tech
Project Name: Ocean County Landfill 2024
Project # N/A
Chemtech Project # P4860
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 11/14/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20, TCL+30/TAL 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 dfThe 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 {P4860-09MS} with File ID: BF140639.D recoveries met the requirements for all compounds except for 3,3-Dichlorobenzidine[65%], 3-Nitroaniline[55%], 4-Chloroaniline[40%] and Benzaldehyde[12%] these compounds did not meet the NJDKQP criteria but met the in-house criteria .

The MSD {P4860-09MSD} with File ID: BF140640.D recoveries met the acceptable requirements except for 3-Nitroaniline[57%], 4-Chloroaniline[40%] and Benzaldehyde[12%] these compounds did not meet the NJDKQP criteria but met the in-house criteria .
The RPD met criteria .

The Blank Spike for {PB165029BS} with File ID: BF140445.D met requirements for all samples except for 3,3-Dichlorobenzidine[55%], 3-Nitroaniline[54%], 4-Chloroaniline[48%], Benzaldehyde[11%] these compounds did not meet the NJDKQP criteria but met the in-house criteria while Hexachlorocyclopentadiene[173%] this compound did not meet the NJDKQP criteria and in-house criteria, is failing high but no positive hit in associate sample therefore no corrective action taken.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF112124.M) for Hexachlorocyclopentadiene, 2,4-Dinitrophenol, this compound is passing on Linear Regression.

The Continuous Calibration met the requirements .
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.
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.

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 N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:51 am, Dec 02, 2024

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CASE NARRATIVE

Tetra Tech
Project Name: Ocean County Landfill 2024
Project # N/A
Chemtech Project # P4860
Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 11/14/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20, TCL+30/TAL and VOC-TCLVOA-10. This data package contains results for Pesticide-TCL.

C. Analytical Techniques:
The analysis was performed on instrument ECD_L. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11 The rear column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. .The analysis of Pesticide-TCLs was based on method 8081B and extraction was done based on method 3541.

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

The Continuous Calibration File ID PL093134.D met the requirements except for 4,4-DDD is failing in 2nd column but no positive hit in associated sample therefore no corrective action taken.

E. Additional Comments:
sample# DUP-01 was reported with J flag on form 1 for com#11 based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.

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sample# PH2-BOT-001 was reported with J flag on form 1 for com#13 based on reporting criteria of high concentration from both column. Now for other column compound detection is below MDL therefore it is not detecting on form 10.

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

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

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Signature N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:51 am, Dec 02, 2024

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CASE NARRATIVE

Tetra Tech
Project Name: Ocean County Landfill 2024
Project # N/A
Chemtech Project # P4860
Test Name: PCB

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 11/14/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20, TCL+30/TAL 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.

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 N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:51 am, Dec 02, 2024

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CASE NARRATIVE

Tetra Tech
Project Name: Ocean County Landfill 2024
Project # N/A
Chemtech Project # P4860
Test Name: EPH

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 11/14/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20, TCL+30/TAL 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 were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.The analysis were performed on instrument FID_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.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.

F. Manual Integration Comments:

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Signature N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:52 am, Dec 02, 2024

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CASE NARRATIVE

Tetra Tech
Project Name: Ocean County Landfill 2024
Project # N/A
Chemtech Project # P4860
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 11/14/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20, TCL+30/TAL 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 (#72-11930MS) analysis met criteria for all samples except for Antimony, Copper and Selenium due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (#72-11930MSD) analysis met criteria for all samples except for Antimony, Copper and Selenium 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 (72-11930L) met criteria for all samples except for Manganese due to sample matrix interference.

E. Additional Comments:

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Signature N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:52 am, Dec 02, 2024

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CASE NARRATIVE

Tetra Tech
Project Name: Ocean County Landfill 2024
Project # N/A
Chemtech Project # P4860
Test Name: Hexavalent Chromium,pH,Cyanide

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 11/14/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Hexavalent Chromium, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20, TCL+30/TAL and VOC-TCLVOA-10. This data package contains results for Hexavalent Chromium,pH,Cyanide.

C. Analytical Techniques:
The analysis of Hexavalent Chromium was based on method 7196A, The analysis of Cyanide was based on method 9012B and The analysis of pH was based on method 9045D.

D. QA/ QC Samples:
The Holding Times were met for all samples except for DUP-01 of pH, for PH2-BOT-001 of pH.for PH2-BOT-002 of pH.for PH2-BOT-003 of pH.for PH2-BOT-004 of pH.for PH2-BOT-005 of pH.for PH2-BOT-006 of pH.for PH2-BOT-007 of pH.for PH2-BOT-008 of pH.for PH2-BOT-009 of pH as samples were receive out of holding time.
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 Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

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

Signature N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:52 am, Dec 02, 2024

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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 #: P4860

	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:** 11/27/2024

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: P4860

Client: Tetra Tech

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**PH2-BOT-001**							
P4860-02	PH2-BOT-001	SOIL	Methyl Acetate	4.00		1.40	4.00	ug/Kg
			Total Voc :	4.00				
			Total Concentration:	4.00				

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080072.D	1		11/18/24 16:39	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.20	ug/Kg
74-87-3	Chloromethane	0.96	U	0.96	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.20	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.20	ug/Kg
75-00-3	Chloroethane	0.84	U	0.84	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.65	U	0.65	4.20	ug/Kg
67-64-1	Acetone	5.20	U	5.20	20.8	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	4.20	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.20	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.52	U	0.52	4.20	ug/Kg
110-82-7	Cyclohexane	0.57	U	0.57	4.20	ug/Kg
78-93-3	2-Butanone	4.70	U	4.70	20.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	4.20	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.20	ug/Kg
67-66-3	Chloroform	0.56	U	0.56	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.65	U	0.65	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.72	U	0.72	4.20	ug/Kg
71-43-2	Benzene	0.60	U	0.60	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.51	U	0.51	4.20	ug/Kg
79-01-6	Trichloroethene	0.62	U	0.62	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.55	U	0.55	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.47	U	0.47	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	20.8	ug/Kg
108-88-3	Toluene	0.56	U	0.56	4.20	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080072.D	1		11/18/24 16:39	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	4.20	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	20.8	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	0.54	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	0.74	4.20	ug/Kg
108-90-7	Chlorobenzene	0.61	U	0.61	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.30	ug/Kg
95-47-6	o-Xylene	0.58	U	0.58	4.20	ug/Kg
100-42-5	Styrene	0.50	U	0.50	4.20	ug/Kg
75-25-2	Bromoform	0.67	U	0.67	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.56	U	0.56	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.91	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.61	U	0.61	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.66	U	0.66	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.49	U	0.49	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.66	U	0.66	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.65	U	0.65	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.1		70 (50) - 130 (163)	84%	SPK: 50
1868-53-7	Dibromofluoromethane	44.0		70 (54) - 130 (147)	88%	SPK: 50
2037-26-5	Toluene-d8	40.2		70 (58) - 130 (134)	80%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.3		70 (29) - 130 (146)	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	213000	7.875			
540-36-3	1,4-Difluorobenzene	351000	8.775			
3114-55-4	Chlorobenzene-d5	340000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080072.D	1		11/18/24 16:39	VD111824

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080073.D	1		11/18/24 17:06	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	4.00	ug/Kg
74-87-3	Chloromethane	0.93	U	0.93	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.62	U	0.62	4.00	ug/Kg
74-83-9	Bromomethane	0.83	U	0.83	4.00	ug/Kg
75-00-3	Chloroethane	0.81	U	0.81	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.73	U	0.73	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.63	U	0.63	4.00	ug/Kg
67-64-1	Acetone	5.00	U	5.00	20.1	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	4.00	ug/Kg
79-20-9	Methyl Acetate	4.00		1.40	4.00	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.67	U	0.67	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.51	U	0.51	4.00	ug/Kg
110-82-7	Cyclohexane	0.55	U	0.55	4.00	ug/Kg
78-93-3	2-Butanone	4.60	U	4.60	20.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.70	U	0.70	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.49	U	0.49	4.00	ug/Kg
74-97-5	Bromochloromethane	1.90	U	1.90	4.00	ug/Kg
67-66-3	Chloroform	0.54	U	0.54	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.70	U	0.70	4.00	ug/Kg
71-43-2	Benzene	0.58	U	0.58	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.49	U	0.49	4.00	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.53	U	0.53	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.45	U	0.45	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	20.1	ug/Kg
108-88-3	Toluene	0.54	U	0.54	4.00	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080073.D	1		11/18/24 17:06	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.67	U	0.67	4.00	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	20.1	ug/Kg
124-48-1	Dibromochloromethane	0.52	U	0.52	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.63	U	0.63	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	0.71	4.00	ug/Kg
108-90-7	Chlorobenzene	0.59	U	0.59	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	4.00	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.00	ug/Kg
95-47-6	o-Xylene	0.56	U	0.56	4.00	ug/Kg
100-42-5	Styrene	0.48	U	0.48	4.00	ug/Kg
75-25-2	Bromoform	0.65	U	0.65	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.54	U	0.54	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.88	U	0.88	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.59	U	0.59	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.64	U	0.64	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.47	U	0.47	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.63	U	0.63	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.63	U	0.63	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.2		70 (50) - 130 (163)	86%	SPK: 50
1868-53-7	Dibromofluoromethane	42.1		70 (54) - 130 (147)	84%	SPK: 50
2037-26-5	Toluene-d8	39.5		70 (58) - 130 (134)	79%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.7		70 (29) - 130 (146)	71%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	219000	7.875			
540-36-3	1,4-Difluorobenzene	366000	8.775			
3114-55-4	Chlorobenzene-d5	329000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080073.D	1		11/18/24 17:06	VD111824

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.6
Sample Wt/Vol:	6.2 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
VY020368.D	1		11/20/24 18:35	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.20	ug/Kg
74-87-3	Chloromethane	0.97	U	0.97	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.20	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.20	ug/Kg
75-00-3	Chloroethane	0.84	U	0.84	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.65	U	0.65	4.20	ug/Kg
67-64-1	Acetone	5.20	U	5.20	20.9	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	4.20	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.20	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.53	U	0.53	4.20	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	4.20	ug/Kg
78-93-3	2-Butanone	4.70	U	4.70	20.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	4.20	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.20	ug/Kg
67-66-3	Chloroform	0.56	U	0.56	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.65	U	0.65	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.20	ug/Kg
71-43-2	Benzene	0.60	U	0.60	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.51	U	0.51	4.20	ug/Kg
79-01-6	Trichloroethene	0.63	U	0.63	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.55	U	0.55	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.47	U	0.47	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	20.9	ug/Kg
108-88-3	Toluene	0.56	U	0.56	4.20	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.6
Sample Wt/Vol:	6.2 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
VY020368.D	1		11/20/24 18:35	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.48	U	0.48	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	4.20	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	20.9	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	0.54	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	0.74	4.20	ug/Kg
108-90-7	Chlorobenzene	0.62	U	0.62	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.52	U	0.52	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.30	ug/Kg
95-47-6	o-Xylene	0.58	U	0.58	4.20	ug/Kg
100-42-5	Styrene	0.50	U	0.50	4.20	ug/Kg
75-25-2	Bromoform	0.68	U	0.68	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.56	U	0.56	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.92	U	0.92	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.62	U	0.62	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.67	U	0.67	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.49	U	0.49	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.66	U	0.66	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.65	U	0.65	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		70 (50) - 130 (163)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (58) - 130 (134)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		70 (29) - 130 (146)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	138000	7.713			
540-36-3	1,4-Difluorobenzene	270000	8.616			
3114-55-4	Chlorobenzene-d5	257000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.347			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.6
Sample Wt/Vol:	6.2 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
VY020368.D	1		11/20/24 18:35	VY112024

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.8
Sample Wt/Vol:	6.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080075.D	1		11/18/24 18:00	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	4.10	ug/Kg
74-87-3	Chloromethane	0.94	U	0.94	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.10	ug/Kg
74-83-9	Bromomethane	0.84	U	0.84	4.10	ug/Kg
75-00-3	Chloroethane	0.82	U	0.82	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.63	U	0.63	4.10	ug/Kg
67-64-1	Acetone	5.10	U	5.10	20.4	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	4.10	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.10	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.68	U	0.68	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.51	U	0.51	4.10	ug/Kg
110-82-7	Cyclohexane	0.56	U	0.56	4.10	ug/Kg
78-93-3	2-Butanone	4.60	U	4.60	20.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	4.10	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.10	ug/Kg
67-66-3	Chloroform	0.55	U	0.55	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.71	U	0.71	4.10	ug/Kg
71-43-2	Benzene	0.59	U	0.59	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.50	U	0.50	4.10	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.54	U	0.54	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.46	U	0.46	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	20.4	ug/Kg
108-88-3	Toluene	0.55	U	0.55	4.10	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.8
Sample Wt/Vol:	6.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080075.D	1		11/18/24 18:00	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	4.10	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	20.4	ug/Kg
124-48-1	Dibromochloromethane	0.53	U	0.53	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	0.64	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.72	U	0.72	4.10	ug/Kg
108-90-7	Chlorobenzene	0.60	U	0.60	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.10	ug/Kg
95-47-6	o-Xylene	0.57	U	0.57	4.10	ug/Kg
100-42-5	Styrene	0.49	U	0.49	4.10	ug/Kg
75-25-2	Bromoform	0.66	U	0.66	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.55	U	0.55	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.60	U	0.60	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.65	U	0.65	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.48	U	0.48	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.64	U	0.64	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.63	U	0.63	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.6		70 (50) - 130 (163)	79%	SPK: 50
1868-53-7	Dibromofluoromethane	38.4		70 (54) - 130 (147)	77%	SPK: 50
2037-26-5	Toluene-d8	34.1	*	70 (58) - 130 (134)	68%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.7	*	70 (29) - 130 (146)	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	7.875			
540-36-3	1,4-Difluorobenzene	368000	8.781			
3114-55-4	Chlorobenzene-d5	326000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.8
Sample Wt/Vol:	6.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080075.D	1		11/18/24 18:00	VD111824

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.1
Sample Wt/Vol:	6.25 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080076.D	1		11/18/24 18:28	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	4.10	ug/Kg
74-87-3	Chloromethane	0.95	U	0.95	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.10	ug/Kg
74-83-9	Bromomethane	0.84	U	0.84	4.10	ug/Kg
75-00-3	Chloroethane	0.82	U	0.82	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.64	U	0.64	4.10	ug/Kg
67-64-1	Acetone	5.10	U	5.10	20.4	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	4.10	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.10	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.51	U	0.51	4.10	ug/Kg
110-82-7	Cyclohexane	0.56	U	0.56	4.10	ug/Kg
78-93-3	2-Butanone	4.60	U	4.60	20.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	4.10	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.10	ug/Kg
67-66-3	Chloroform	0.55	U	0.55	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.64	U	0.64	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.71	U	0.71	4.10	ug/Kg
71-43-2	Benzene	0.59	U	0.59	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.50	U	0.50	4.10	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.54	U	0.54	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.46	U	0.46	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	20.4	ug/Kg
108-88-3	Toluene	0.55	U	0.55	4.10	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.1
Sample Wt/Vol:	6.25 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080076.D	1		11/18/24 18:28	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.69	U	0.69	4.10	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	20.4	ug/Kg
124-48-1	Dibromochloromethane	0.53	U	0.53	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	0.64	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.73	U	0.73	4.10	ug/Kg
108-90-7	Chlorobenzene	0.60	U	0.60	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.20	ug/Kg
95-47-6	o-Xylene	0.57	U	0.57	4.10	ug/Kg
100-42-5	Styrene	0.49	U	0.49	4.10	ug/Kg
75-25-2	Bromoform	0.66	U	0.66	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.55	U	0.55	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.60	U	0.60	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.65	U	0.65	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.48	U	0.48	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.64	U	0.64	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.64	U	0.64	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.7		70 (50) - 130 (163)	81%	SPK: 50
1868-53-7	Dibromofluoromethane	37.8		70 (54) - 130 (147)	76%	SPK: 50
2037-26-5	Toluene-d8	31.8	*	70 (58) - 130 (134)	64%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.6	*	70 (29) - 130 (146)	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	7.875			
540-36-3	1,4-Difluorobenzene	364000	8.78			
3114-55-4	Chlorobenzene-d5	324000	11.58			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.1
Sample Wt/Vol:	6.25 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080076.D	1		11/18/24 18:28	VD111824

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.3
Sample Wt/Vol:	7.41 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
VY020369.D	1		11/20/24 18:58	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	3.40	ug/Kg
74-87-3	Chloromethane	0.80	U	0.80	3.40	ug/Kg
75-01-4	Vinyl Chloride	0.53	U	0.53	3.40	ug/Kg
74-83-9	Bromomethane	0.71	U	0.71	3.40	ug/Kg
75-00-3	Chloroethane	0.69	U	0.69	3.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	U	0.62	3.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.73	U	0.73	3.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.54	U	0.54	3.40	ug/Kg
67-64-1	Acetone	4.30	U	4.30	17.2	ug/Kg
75-15-0	Carbon Disulfide	0.88	U	0.88	3.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.46	U	0.46	3.40	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.40	ug/Kg
75-09-2	Methylene Chloride	2.30	U	2.30	6.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.58	U	0.58	3.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.43	U	0.43	3.40	ug/Kg
110-82-7	Cyclohexane	0.47	U	0.47	3.40	ug/Kg
78-93-3	2-Butanone	3.90	U	3.90	17.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.60	U	0.60	3.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.42	U	0.42	3.40	ug/Kg
74-97-5	Bromochloromethane	1.70	U	1.70	3.40	ug/Kg
67-66-3	Chloroform	0.46	U	0.46	3.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.54	U	0.54	3.40	ug/Kg
108-87-2	Methylcyclohexane	0.60	U	0.60	3.40	ug/Kg
71-43-2	Benzene	0.49	U	0.49	3.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.42	U	0.42	3.40	ug/Kg
79-01-6	Trichloroethene	0.51	U	0.51	3.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.45	U	0.45	3.40	ug/Kg
75-27-4	Bromodichloromethane	0.38	U	0.38	3.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	17.2	ug/Kg
108-88-3	Toluene	0.46	U	0.46	3.40	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.3
Sample Wt/Vol:	7.41 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
VY020369.D	1		11/20/24 18:58	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.41	U	0.41	3.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.39	U	0.39	3.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	3.40	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	17.2	ug/Kg
124-48-1	Dibromochloromethane	0.45	U	0.45	3.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.54	U	0.54	3.40	ug/Kg
127-18-4	Tetrachloroethene	0.61	U	0.61	3.40	ug/Kg
108-90-7	Chlorobenzene	0.51	U	0.51	3.40	ug/Kg
100-41-4	Ethyl Benzene	0.43	U	0.43	3.40	ug/Kg
179601-23-1	m/p-Xylenes	0.93	U	0.93	6.90	ug/Kg
95-47-6	o-Xylene	0.48	U	0.48	3.40	ug/Kg
100-42-5	Styrene	0.41	U	0.41	3.40	ug/Kg
75-25-2	Bromoform	0.56	U	0.56	3.40	ug/Kg
98-82-8	Isopropylbenzene	0.46	U	0.46	3.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.76	U	0.76	3.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.51	U	0.51	3.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.55	U	0.55	3.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.40	U	0.40	3.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.10	U	1.10	3.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.54	U	0.54	3.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.54	U	0.54	3.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		70 (50) - 130 (163)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 (54) - 130 (147)	96%	SPK: 50
2037-26-5	Toluene-d8	48.1		70 (58) - 130 (134)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (29) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	143000	7.713			
540-36-3	1,4-Difluorobenzene	274000	8.616			
3114-55-4	Chlorobenzene-d5	254000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	99300	13.346			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.3
Sample Wt/Vol:	7.41 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
VY020369.D	1		11/20/24 18:58	VY112024

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080078.D	1		11/18/24 19:22	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.20	ug/Kg
74-87-3	Chloromethane	0.97	U	0.97	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.20	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.20	ug/Kg
75-00-3	Chloroethane	0.84	U	0.84	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.65	U	0.65	4.20	ug/Kg
67-64-1	Acetone	5.20	U	5.20	20.8	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	4.20	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.20	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.52	U	0.52	4.20	ug/Kg
110-82-7	Cyclohexane	0.57	U	0.57	4.20	ug/Kg
78-93-3	2-Butanone	4.70	U	4.70	20.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	4.20	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.20	ug/Kg
67-66-3	Chloroform	0.56	U	0.56	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.65	U	0.65	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.72	U	0.72	4.20	ug/Kg
71-43-2	Benzene	0.60	U	0.60	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.51	U	0.51	4.20	ug/Kg
79-01-6	Trichloroethene	0.62	U	0.62	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.55	U	0.55	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.47	U	0.47	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	20.8	ug/Kg
108-88-3	Toluene	0.56	U	0.56	4.20	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080078.D	1		11/18/24 19:22	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	4.20	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	20.8	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	0.54	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	0.74	4.20	ug/Kg
108-90-7	Chlorobenzene	0.62	U	0.62	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.52	U	0.52	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.30	ug/Kg
95-47-6	o-Xylene	0.58	U	0.58	4.20	ug/Kg
100-42-5	Styrene	0.50	U	0.50	4.20	ug/Kg
75-25-2	Bromoform	0.67	U	0.67	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.56	U	0.56	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.92	U	0.92	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.62	U	0.62	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.67	U	0.67	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.49	U	0.49	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.66	U	0.66	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.65	U	0.65	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.5		70 (50) - 130 (163)	89%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		70 (54) - 130 (147)	92%	SPK: 50
2037-26-5	Toluene-d8	41.8		70 (58) - 130 (134)	84%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.3		70 (29) - 130 (146)	73%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	7.875			
540-36-3	1,4-Difluorobenzene	360000	8.775			
3114-55-4	Chlorobenzene-d5	321000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080078.D	1		11/18/24 19:22	VD111824

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98
Sample Wt/Vol:	6.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080079.D	1		11/18/24 19:49	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	4.00	ug/Kg
74-87-3	Chloromethane	0.93	U	0.93	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.62	U	0.62	4.00	ug/Kg
74-83-9	Bromomethane	0.83	U	0.83	4.00	ug/Kg
75-00-3	Chloroethane	0.81	U	0.81	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.73	U	0.73	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.63	U	0.63	4.00	ug/Kg
67-64-1	Acetone	5.00	U	5.00	20.2	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	4.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.00	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.68	U	0.68	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.51	U	0.51	4.00	ug/Kg
110-82-7	Cyclohexane	0.56	U	0.56	4.00	ug/Kg
78-93-3	2-Butanone	4.60	U	4.60	20.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.70	U	0.70	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.49	U	0.49	4.00	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.00	ug/Kg
67-66-3	Chloroform	0.54	U	0.54	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.70	U	0.70	4.00	ug/Kg
71-43-2	Benzene	0.58	U	0.58	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.49	U	0.49	4.00	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.53	U	0.53	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.45	U	0.45	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	20.2	ug/Kg
108-88-3	Toluene	0.54	U	0.54	4.00	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98
Sample Wt/Vol:	6.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080079.D	1		11/18/24 19:49	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	4.00	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	20.2	ug/Kg
124-48-1	Dibromochloromethane	0.52	U	0.52	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	0.64	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.72	U	0.72	4.00	ug/Kg
108-90-7	Chlorobenzene	0.60	U	0.60	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	4.00	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.10	ug/Kg
95-47-6	o-Xylene	0.56	U	0.56	4.00	ug/Kg
100-42-5	Styrene	0.48	U	0.48	4.00	ug/Kg
75-25-2	Bromoform	0.65	U	0.65	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.54	U	0.54	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.89	U	0.89	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.60	U	0.60	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.64	U	0.64	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.48	U	0.48	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.64	U	0.64	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.63	U	0.63	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.3		70 (50) - 130 (163)	87%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	45.2		70 (58) - 130 (134)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.1		70 (29) - 130 (146)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	217000	7.875			
540-36-3	1,4-Difluorobenzene	353000	8.781			
3114-55-4	Chlorobenzene-d5	326000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98
Sample Wt/Vol:	6.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080079.D	1		11/18/24 19:49	VD111824

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.5
Sample Wt/Vol:	6.28 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
VY020390.D	1		11/21/24 16:30	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	4.10	ug/Kg
74-87-3	Chloromethane	0.95	U	0.95	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.10	ug/Kg
74-83-9	Bromomethane	0.84	U	0.84	4.10	ug/Kg
75-00-3	Chloroethane	0.82	U	0.82	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.64	U	0.64	4.10	ug/Kg
67-64-1	Acetone	5.10	U	5.10	20.4	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	4.10	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.10	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.51	U	0.51	4.10	ug/Kg
110-82-7	Cyclohexane	0.56	U	0.56	4.10	ug/Kg
78-93-3	2-Butanone	4.60	U	4.60	20.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	4.10	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.10	ug/Kg
67-66-3	Chloroform	0.55	U	0.55	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.64	U	0.64	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.71	U	0.71	4.10	ug/Kg
71-43-2	Benzene	0.59	U	0.59	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.50	U	0.50	4.10	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.54	U	0.54	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.46	U	0.46	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	20.4	ug/Kg
108-88-3	Toluene	0.55	U	0.55	4.10	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.5
Sample Wt/Vol:	6.28 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
VY020390.D	1		11/21/24 16:30	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.69	U	0.69	4.10	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	20.4	ug/Kg
124-48-1	Dibromochloromethane	0.53	U	0.53	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.65	U	0.65	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.73	U	0.73	4.10	ug/Kg
108-90-7	Chlorobenzene	0.60	U	0.60	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.20	ug/Kg
95-47-6	o-Xylene	0.57	U	0.57	4.10	ug/Kg
100-42-5	Styrene	0.49	U	0.49	4.10	ug/Kg
75-25-2	Bromoform	0.66	U	0.66	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.55	U	0.55	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.60	U	0.60	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.65	U	0.65	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.48	U	0.48	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.65	U	0.65	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.64	U	0.64	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.4		70 (50) - 130 (163)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (54) - 130 (147)	101%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (58) - 130 (134)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		70 (29) - 130 (146)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	7.707			
540-36-3	1,4-Difluorobenzene	274000	8.616			
3114-55-4	Chlorobenzene-d5	262000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	106000	13.346			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.5
Sample Wt/Vol:	6.28 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
VY020390.D	1		11/21/24 16:30	VY112124

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.6
Sample Wt/Vol:	5.93 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
VY020389.D	1		11/21/24 16:06	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.30	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.67	U	0.67	4.30	ug/Kg
74-83-9	Bromomethane	0.89	U	0.89	4.30	ug/Kg
75-00-3	Chloroethane	0.87	U	0.87	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	0.79	U	0.79	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.67	U	0.67	4.30	ug/Kg
67-64-1	Acetone	5.40	U	5.40	21.6	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	4.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	4.30	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.73	U	0.73	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.54	U	0.54	4.30	ug/Kg
110-82-7	Cyclohexane	0.60	U	0.60	4.30	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	21.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.75	U	0.75	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.53	U	0.53	4.30	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	4.30	ug/Kg
67-66-3	Chloroform	0.58	U	0.58	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.67	U	0.67	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.75	U	0.75	4.30	ug/Kg
71-43-2	Benzene	0.62	U	0.62	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.53	U	0.53	4.30	ug/Kg
79-01-6	Trichloroethene	0.65	U	0.65	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.57	U	0.57	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.48	U	0.48	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	21.6	ug/Kg
108-88-3	Toluene	0.58	U	0.58	4.30	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.6
Sample Wt/Vol:	5.93 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
VY020389.D	1		11/21/24 16:06	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.49	U	0.49	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.73	U	0.73	4.30	ug/Kg
591-78-6	2-Hexanone	4.10	U	4.10	21.6	ug/Kg
124-48-1	Dibromochloromethane	0.56	U	0.56	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.68	U	0.68	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	4.30	ug/Kg
108-90-7	Chlorobenzene	0.64	U	0.64	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	8.60	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	4.30	ug/Kg
100-42-5	Styrene	0.52	U	0.52	4.30	ug/Kg
75-25-2	Bromoform	0.70	U	0.70	4.30	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.95	U	0.95	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.64	U	0.64	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.69	U	0.69	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.51	U	0.51	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.68	U	0.68	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.67	U	0.67	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		70 (50) - 130 (163)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	47.9		70 (58) - 130 (134)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (29) - 130 (146)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	7.713			
540-36-3	1,4-Difluorobenzene	270000	8.616			
3114-55-4	Chlorobenzene-d5	252000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.346			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.6
Sample Wt/Vol:	5.93 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
VY020389.D	1		11/21/24 16:06	VY112124

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

QC SUMMARY

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Surrogate Summary

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
P4860-01	DUP-01	1,2-Dichloroethane-d4	50	42.1	84		70 (50)	130 (163)
		Dibromofluoromethane	50	44.0	88		70 (54)	130 (147)
		Toluene-d8	50	40.2	80		70 (58)	130 (134)
		4-Bromofluorobenzene	50	37.3	75		70 (29)	130 (146)
P4860-02	PH2-BOT-001	1,2-Dichloroethane-d4	50	43.2	86		70 (50)	130 (163)
		Dibromofluoromethane	50	42.1	84		70 (54)	130 (147)
		Toluene-d8	50	39.5	79		70 (58)	130 (134)
		4-Bromofluorobenzene	50	35.7	71		70 (29)	130 (146)
P4860-03	PH2-BOT-002	1,2-Dichloroethane-d4	50	58.6	117		70 (50)	130 (163)
		Dibromofluoromethane	50	50.1	100		70 (54)	130 (147)
		Toluene-d8	50	49.0	98		70 (58)	130 (134)
		4-Bromofluorobenzene	50	51.8	104		70 (29)	130 (146)
P4860-04	PH2-BOT-003	1,2-Dichloroethane-d4	50	39.6	79		70 (50)	130 (163)
		Dibromofluoromethane	50	38.4	77		70 (54)	130 (147)
		Toluene-d8	50	34.1	68	*	70 (58)	130 (134)
		4-Bromofluorobenzene	50	30.7	61	*	70 (29)	130 (146)
P4860-05	PH2-BOT-004	1,2-Dichloroethane-d4	50	40.7	81		70 (50)	130 (163)
		Dibromofluoromethane	50	37.8	76		70 (54)	130 (147)
		Toluene-d8	50	31.8	64	*	70 (58)	130 (134)
		4-Bromofluorobenzene	50	30.6	61	*	70 (29)	130 (146)
P4860-06	PH2-BOT-009	1,2-Dichloroethane-d4	50	51.5	103		70 (50)	130 (163)
		Dibromofluoromethane	50	48.1	96		70 (54)	130 (147)
		Toluene-d8	50	48.1	96		70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.0	100		70 (29)	130 (146)
P4860-07	PH2-BOT-008	1,2-Dichloroethane-d4	50	44.5	89		70 (50)	130 (163)
		Dibromofluoromethane	50	46.0	92		70 (54)	130 (147)
		Toluene-d8	50	41.9	84		70 (58)	130 (134)
		4-Bromofluorobenzene	50	36.3	73		70 (29)	130 (146)
P4860-08	PH2-BOT-007	1,2-Dichloroethane-d4	50	43.3	87		70 (50)	130 (163)
		Dibromofluoromethane	50	49.2	98		70 (54)	130 (147)
		Toluene-d8	50	45.2	90		70 (58)	130 (134)
		4-Bromofluorobenzene	50	42.1	84		70 (29)	130 (146)
P4860-09	PH2-BOT-006	1,2-Dichloroethane-d4	50	57.4	115		70 (50)	130 (163)
		Dibromofluoromethane	50	50.5	101		70 (54)	130 (147)
		Toluene-d8	50	48.3	97		70 (58)	130 (134)
		4-Bromofluorobenzene	50	52.6	105		70 (29)	130 (146)
P4860-10	PH2-BOT-005	1,2-Dichloroethane-d4	50	52.6	105		70 (50)	130 (163)
		Dibromofluoromethane	50	48.7	97		70 (54)	130 (147)
		Toluene-d8	50	47.9	96		70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.4	101		70 (29)	130 (146)
VD1118SBL01	VD1118SBL01	1,2-Dichloroethane-d4	50	49.5	99		70 (50)	130 (163)
		Dibromofluoromethane	50	48.9	98		70 (54)	130 (147)
		Toluene-d8	50	44.4	89		70 (58)	130 (134)
		4-Bromofluorobenzene	50	41.2	82		70 (29)	130 (146)
VD1118SBS01	VD1118SBS01	1,2-Dichloroethane-d4	50	49.4	99		70 (50)	130 (163)
		Dibromofluoromethane	50	49.8	100		70 (54)	130 (147)
		Toluene-d8	50	51.0	102		70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.4	101		70 (29)	130 (146)
VD1118SBSD01	VD1118SBSD01	1,2-Dichloroethane-d4	50	48.0	96		70 (50)	130 (163)
		Dibromofluoromethane	50	50.2	100		70 (54)	130 (147)

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Surrogate Summary

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VD1118SBSD01	VD1118SBSD01	Toluene-d8	50	50.0	100	70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.4	101	70 (29)	130 (146)
VY1120SBL01	VY1120SBL01	1,2-Dichloroethane-d4	50	53.2	106	70 (50)	130 (163)
		Dibromofluoromethane	50	48.3	97	70 (54)	130 (147)
		Toluene-d8	50	48.1	96	70 (58)	130 (134)
		4-Bromofluorobenzene	50	48.3	97	70 (29)	130 (146)
VY1120SBS01	VY1120SBS01	1,2-Dichloroethane-d4	50	43.3	87	70 (50)	130 (163)
		Dibromofluoromethane	50	41.3	83	70 (54)	130 (147)
		Toluene-d8	50	42.7	85	70 (58)	130 (134)
		4-Bromofluorobenzene	50	44.3	88	70 (29)	130 (146)
VY1121SBL01	VY1121SBL01	1,2-Dichloroethane-d4	50	51.9	104	70 (50)	130 (163)
		Dibromofluoromethane	50	48.5	97	70 (54)	130 (147)
		Toluene-d8	50	48.2	96	70 (58)	130 (134)
		4-Bromofluorobenzene	50	47.3	95	70 (29)	130 (146)
VY1121SBS01	VY1121SBS01	1,2-Dichloroethane-d4	50	46.0	92	70 (50)	130 (163)
		Dibromofluoromethane	50	43.7	87	70 (54)	130 (147)
		Toluene-d8	50	43.4	87	70 (58)	130 (134)
		4-Bromofluorobenzene	50	45.0	90	70 (29)	130 (146)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VD080060.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD1118SBS01	Dichlorodifluoromethane	20	18.2	ug/Kg	91			40 (64)	160 (136)	
	Chloromethane	20	19.8	ug/Kg	99			40 (70)	160 (130)	
	Vinyl chloride	20	20.3	ug/Kg	102			70 (72)	130 (129)	
	Bromomethane	20	21.3	ug/Kg	106			40 (58)	160 (141)	
	Chloroethane	20	22.5	ug/Kg	113			40 (69)	160 (130)	
	Trichlorofluoromethane	20	21.3	ug/Kg	106			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.0	ug/Kg	95			70 (79)	130 (121)	
	Acetone	100	96.9	ug/Kg	97			40 (60)	160 (131)	
	Carbon disulfide	20	18.8	ug/Kg	94			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	18.2	ug/Kg	91			70 (77)	130 (129)	
	Methyl Acetate	20	19.2	ug/Kg	96			70 (69)	130 (149)	
	Methylene Chloride	20	19.9	ug/Kg	100			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	18.5	ug/Kg	93			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.0	ug/Kg	95			70 (82)	130 (123)	
	Cyclohexane	20	18.3	ug/Kg	92			70 (76)	130 (122)	
	2-Butanone	100	83.2	ug/Kg	83			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	18.4	ug/Kg	92			70 (82)	130 (123)	
	Bromochloromethane	20	17.9	ug/Kg	90			70 (80)	130 (127)	
	Chloroform	20	20.1	ug/Kg	101			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			70 (80)	130 (126)	
	Methylcyclohexane	20	18.3	ug/Kg	92			70 (77)	130 (123)	
	Benzene	20	19.3	ug/Kg	97			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.3	ug/Kg	102			70 (81)	130 (126)	
	Trichloroethene	20	19.6	ug/Kg	98			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	Bromodichloromethane	20	19.5	ug/Kg	98			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	98.5	ug/Kg	99			40 (70)	160 (135)	
	Toluene	20	19.5	ug/Kg	98			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	18.3	ug/Kg	92			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			70 (82)	130 (125)	
	2-Hexanone	100	92.0	ug/Kg	92			40 (66)	160 (138)	
	Dibromochloromethane	20	20.9	ug/Kg	104			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.9	ug/Kg	104			70 (80)	130 (125)	
	Tetrachloroethene	20	21.2	ug/Kg	106			70 (83)	130 (125)	
	Chlorobenzene	20	19.7	ug/Kg	99			70 (84)	130 (122)	
	Ethyl Benzene	20	18.5	ug/Kg	93			70 (82)	130 (124)	
	m/p-Xylenes	40	38.7	ug/Kg	97			70 (83)	130 (124)	
	o-Xylene	20	19.7	ug/Kg	99			70 (83)	130 (123)	
	Styrene	20	19.2	ug/Kg	96			70 (82)	130 (124)	
	Bromoform	20	20.2	ug/Kg	101			70 (75)	130 (127)	
	Isopropylbenzene	20	18.5	ug/Kg	93			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.4	ug/Kg	97			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VD080060.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD1118SBS01	1,2-Dibromo-3-Chloropropane	20	18.7	ug/Kg	94			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.4	ug/Kg	102			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.5	ug/Kg	103			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VD080061.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VD1118SBSD01	Dichlorodifluoromethane	20	18.6	ug/Kg	93	2		40 (64)	160 (136)	30 (20)
	Chloromethane	20	17.2	ug/Kg	86	14		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	17.9	ug/Kg	90	13		70 (72)	130 (129)	30 (20)
	Bromomethane	20	17.1	ug/Kg	86	21		40 (58)	160 (141)	30 (20)
	Chloroethane	20	17.5	ug/Kg	88	25		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	19.7	ug/Kg	99	7		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105	2		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.1	ug/Kg	101	6		70 (79)	130 (121)	30 (20)
	Acetone	100	110	ug/Kg	110	13		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	19.7	ug/Kg	99	5		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	20.9	ug/Kg	104	13		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	21.7	ug/Kg	109	13		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.4	ug/Kg	107	7		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101	8		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.2	ug/Kg	101	6		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.0	ug/Kg	95	3		70 (76)	130 (122)	30 (20)
	2-Butanone	100	100	ug/Kg	100	19		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	21.5	ug/Kg	108	9		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102	10		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	18.2	ug/Kg	91	1		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.0	ug/Kg	105	4		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103	1		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.6	ug/Kg	98	6		70 (77)	130 (123)	30 (20)
	Benzene	20	20.8	ug/Kg	104	7		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	22.1	ug/Kg	111	8		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.5	ug/Kg	103	5		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.1	ug/Kg	106	6		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.6	ug/Kg	108	10		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	11		40 (70)	160 (135)	30 (20)
	Toluene	20	21.3	ug/Kg	106	8		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.9	ug/Kg	104	12		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	21.9	ug/Kg	110	13		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.6	ug/Kg	113	10		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	18		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	23.4	ug/Kg	117	12		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	22.4	ug/Kg	112	7		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.5	ug/Kg	103	3		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.3	ug/Kg	102	3		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	19.3	ug/Kg	97	4		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	39.5	ug/Kg	99	2		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.7	ug/Kg	99	0		70 (83)	130 (123)	30 (20)
	Styrene	20	20.5	ug/Kg	103	7		70 (82)	130 (124)	30 (20)
	Bromoform	20	21.6	ug/Kg	108	7		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	19.9	ug/Kg	100	7		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	21.9	ug/Kg	110	10		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.6	ug/Kg	103	5		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103	5		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	7		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VD080061.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VD1118SBSD01	1,2-Dibromo-3-Chloropropane	20	22.6	ug/Kg	113	18		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99	3		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.8	ug/Kg	104	1		70 (70)	130 (137)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VY020349.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1120SBS01	Dichlorodifluoromethane	20	21.8	ug/Kg	109			40 (64)	160 (136)	
	Chloromethane	20	14.5	ug/Kg	73			40 (70)	160 (130)	
	Vinyl chloride	20	16.0	ug/Kg	80			70 (72)	130 (129)	
	Bromomethane	20	16.6	ug/Kg	83			40 (58)	160 (141)	
	Chloroethane	20	15.9	ug/Kg	79			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.1	ug/Kg	96			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	18.2	ug/Kg	91			70 (81)	130 (123)	
	1,1-Dichloroethene	20	17.9	ug/Kg	90			70 (79)	130 (121)	
	Acetone	100	85.6	ug/Kg	86			40 (60)	160 (131)	
	Carbon disulfide	20	17.2	ug/Kg	86			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	17.6	ug/Kg	88			70 (77)	130 (129)	
	Methyl Acetate	20	16.3	ug/Kg	81			70 (69)	130 (149)	
	Methylene Chloride	20	17.3	ug/Kg	86			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	17.2	ug/Kg	86			70 (80)	130 (123)	
	1,1-Dichloroethane	20	17.6	ug/Kg	88			70 (82)	130 (123)	
	Cyclohexane	20	18.4	ug/Kg	92			70 (76)	130 (122)	
	2-Butanone	100	92.7	ug/Kg	93			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.2	ug/Kg	101			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	18.0	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	20	17.3	ug/Kg	86			70 (80)	130 (127)	
	Chloroform	20	17.6	ug/Kg	88			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	18.7	ug/Kg	94			70 (80)	130 (126)	
	Methylcyclohexane	20	19.5	ug/Kg	98			70 (77)	130 (123)	
	Benzene	20	18.9	ug/Kg	95			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.0	ug/Kg	95			70 (81)	130 (126)	
	Trichloroethene	20	18.6	ug/Kg	93			70 (83)	130 (122)	
	1,2-Dichloropropane	20	18.2	ug/Kg	91			70 (83)	130 (122)	
	Bromodichloromethane	20	18.4	ug/Kg	92			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	93.2	ug/Kg	93			40 (70)	160 (135)	
	Toluene	20	18.9	ug/Kg	95			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	18.2	ug/Kg	91			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	18.9	ug/Kg	95			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	17.9	ug/Kg	90			70 (82)	130 (125)	
	2-Hexanone	100	94.7	ug/Kg	95			40 (66)	160 (138)	
	Dibromochloromethane	20	17.9	ug/Kg	90			70 (79)	130 (125)	
	1,2-Dibromoethane	20	17.6	ug/Kg	88			70 (80)	130 (125)	
	Tetrachloroethene	20	18.4	ug/Kg	92			70 (83)	130 (125)	
	Chlorobenzene	20	18.3	ug/Kg	92			70 (84)	130 (122)	
	Ethyl Benzene	20	18.7	ug/Kg	94			70 (82)	130 (124)	
	m/p-Xylenes	40	38.1	ug/Kg	95			70 (83)	130 (124)	
	o-Xylene	20	18.6	ug/Kg	93			70 (83)	130 (123)	
	Styrene	20	19.2	ug/Kg	96			70 (82)	130 (124)	
	Bromoform	20	18.7	ug/Kg	94			70 (75)	130 (127)	
	Isopropylbenzene	20	18.5	ug/Kg	93			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	17.3	ug/Kg	86			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	17.8	ug/Kg	89			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	18.1	ug/Kg	91			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	17.9	ug/Kg	90			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VY020349.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1120SBS01	1,2-Dibromo-3-Chloropropane	20	17.3	ug/Kg	86			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.2	ug/Kg	91			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.2	ug/Kg	91			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VY020375.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1121SBS01	Dichlorodifluoromethane	20	22.3	ug/Kg	112			40 (64)	160 (136)	
	Chloromethane	20	14.3	ug/Kg	72			40 (70)	160 (130)	
	Vinyl chloride	20	15.8	ug/Kg	79			70 (72)	130 (129)	
	Bromomethane	20	17.3	ug/Kg	86			40 (58)	160 (141)	
	Chloroethane	20	17.0	ug/Kg	85			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.8	ug/Kg	99			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	18.3	ug/Kg	92			70 (81)	130 (123)	
	1,1-Dichloroethene	20	18.3	ug/Kg	92			70 (79)	130 (121)	
	Acetone	100	93.9	ug/Kg	94			40 (60)	160 (131)	
	Carbon disulfide	20	17.3	ug/Kg	86			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.3	ug/Kg	97			70 (77)	130 (129)	
	Methyl Acetate	20	18.1	ug/Kg	91			70 (69)	130 (149)	
	Methylene Chloride	20	19.0	ug/Kg	95			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	17.9	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	20	18.5	ug/Kg	93			70 (82)	130 (123)	
	Cyclohexane	20	18.7	ug/Kg	94			70 (76)	130 (122)	
	2-Butanone	100	99.8	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.1	ug/Kg	106			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	18.9	ug/Kg	95			70 (82)	130 (123)	
	Bromochloromethane	20	18.1	ug/Kg	91			70 (80)	130 (127)	
	Chloroform	20	19.0	ug/Kg	95			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101			70 (80)	130 (126)	
	Methylcyclohexane	20	18.8	ug/Kg	94			70 (77)	130 (123)	
	Benzene	20	19.6	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.7	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	19.3	ug/Kg	97			70 (83)	130 (122)	
	1,2-Dichloropropane	20	19.1	ug/Kg	96			70 (83)	130 (122)	
	Bromodichloromethane	20	19.9	ug/Kg	100			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	99.7	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	19.3	ug/Kg	97			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.9	ug/Kg	100			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.0	ug/Kg	95			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	19.8	ug/Kg	99			70 (79)	130 (125)	
	1,2-Dibromoethane	20	18.7	ug/Kg	94			70 (80)	130 (125)	
	Tetrachloroethene	20	18.6	ug/Kg	93			70 (83)	130 (125)	
	Chlorobenzene	20	18.6	ug/Kg	93			70 (84)	130 (122)	
	Ethyl Benzene	20	19.0	ug/Kg	95			70 (82)	130 (124)	
	m/p-Xylenes	40	39.2	ug/Kg	98			70 (83)	130 (124)	
	o-Xylene	20	19.5	ug/Kg	98			70 (83)	130 (123)	
	Styrene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	20.7	ug/Kg	104			70 (75)	130 (127)	
	Isopropylbenzene	20	18.4	ug/Kg	92			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.2	ug/Kg	91			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	17.8	ug/Kg	89			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	18.4	ug/Kg	92			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	18.6	ug/Kg	93			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VY020375.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1121SBS01	1,2-Dibromo-3-Chloropropane	20	18.1	ug/Kg	91			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	17.9	ug/Kg	90			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	17.6	ug/Kg	88			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VD1118SBL01

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VD080059.D Lab Sample ID: VD1118SBL01

Date Analyzed: 11/18/2024 Time Analyzed: 10:27

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_D

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VD1118SBS01	VD1118SBS01	VD080060.D	11/18/2024
VD1118SBSD01	VD1118SBSD01	VD080061.D	11/18/2024
DUP-01	P4860-01	VD080072.D	11/18/2024
PH2-BOT-001	P4860-02	VD080073.D	11/18/2024
PH2-BOT-003	P4860-04	VD080075.D	11/18/2024
PH2-BOT-004	P4860-05	VD080076.D	11/18/2024
PH2-BOT-008	P4860-07	VD080078.D	11/18/2024
PH2-BOT-007	P4860-08	VD080079.D	11/18/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1120SBL01

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VY020348.D Lab Sample ID: VY1120SBL01

Date Analyzed: 11/20/2024 Time Analyzed: 10:07

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
VY1120SBS01	VY1120SBS01	VY020349.D	11/20/2024
PH2-BOT-002	P4860-03	VY020368.D	11/20/2024
PH2-BOT-009	P4860-06	VY020369.D	11/20/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1121SBL01

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VY020374.D Lab Sample ID: VY1121SBL01

Date Analyzed: 11/21/2024 Time Analyzed: 09:59

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
VY1121SBS01	VY1121SBS01	VY020375.D	11/21/2024
PH2-BOT-005	P4860-10	VY020389.D	11/21/2024
PH2-BOT-006	P4860-09	VY020390.D	11/21/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VD080019.D BFB Injection Date: 11/15/2024

Instrument ID: MSVOA_D BFB Injection Time: 09:14

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.1
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	90.2
175	5.0 - 9.0% of mass 174	7.3 (8.1) 1
176	95.0 - 101.0% of mass 174	87.4 (97) 1
177	5.0 - 9.0% of mass 176	5.9 (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
VSTDICC005	VSTDICC005	VD080020.D	11/15/2024	10:04
VSTDICC010	VSTDICC010	VD080021.D	11/15/2024	10:31
VSTDICC020	VSTDICC020	VD080022.D	11/15/2024	10:58
VSTDICCC050	VSTDICCC050	VD080023.D	11/15/2024	11:24
VSTDICC100	VSTDICC100	VD080024.D	11/15/2024	11:51
VSTDICC150	VSTDICC150	VD080025.D	11/15/2024	12:18

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VD080057.D BFB Injection Date: 11/18/2024

Instrument ID: MSVOA_D BFB Injection Time: 09:21

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	49.1
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	0.7 (0.8) 1
174	50.0 - 100.0% of mass 95	93
175	5.0 - 9.0% of mass 174	7.3 (7.9) 1
176	95.0 - 101.0% of mass 174	92 (98.9) 1
177	5.0 - 9.0% of mass 176	5.8 (6.3) 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	VD080058.D	11/18/2024	09:51
VD1118SBL01	VD1118SBL01	VD080059.D	11/18/2024	10:27
VD1118SBS01	VD1118SBS01	VD080060.D	11/18/2024	10:55
VD1118SBSD01	VD1118SBSD01	VD080061.D	11/18/2024	11:22
DUP-01	P4860-01	VD080072.D	11/18/2024	16:39
PH2-BOT-001	P4860-02	VD080073.D	11/18/2024	17:06
PH2-BOT-003	P4860-04	VD080075.D	11/18/2024	18:00
PH2-BOT-004	P4860-05	VD080076.D	11/18/2024	18:28
PH2-BOT-008	P4860-07	VD080078.D	11/18/2024	19:22
PH2-BOT-007	P4860-08	VD080079.D	11/18/2024	19:49

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VY020337.D BFB Injection Date: 11/19/2024

Instrument ID: MSVOA_Y BFB Injection Time: 14:40

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	21.7
75	30.0 - 60.0% of mass 95	55.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (0.9) 1
174	50.0 - 100.0% of mass 95	81.6
175	5.0 - 9.0% of mass 174	6.4 (7.8) 1
176	95.0 - 101.0% of mass 174	79 (96.8) 1
177	5.0 - 9.0% of mass 176	5.4 (6.8) 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
VSTDICC005	VSTDICC005	VY020338.D	11/19/2024	15:49
VSTDICC010	VSTDICC010	VY020339.D	11/19/2024	16:12
VSTDICC020	VSTDICC020	VY020340.D	11/19/2024	16:35
VSTDICCC050	VSTDICCC050	VY020341.D	11/19/2024	16:57
VSTDICC100	VSTDICC100	VY020342.D	11/19/2024	17:20
VSTDICC150	VSTDICC150	VY020343.D	11/19/2024	17:42

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VY020346.D BFB Injection Date: 11/20/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:23

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	56.6
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	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	76
175	5.0 - 9.0% of mass 174	6.1 (8) 1
176	95.0 - 101.0% of mass 174	72.7 (95.6) 1
177	5.0 - 9.0% of mass 176	5.1 (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	VY020347.D	11/20/2024	09:34
VY1120SBL01	VY1120SBL01	VY020348.D	11/20/2024	10:07
VY1120SBS01	VY1120SBS01	VY020349.D	11/20/2024	10:53
PH2-BOT-002	P4860-03	VY020368.D	11/20/2024	18:35
PH2-BOT-009	P4860-06	VY020369.D	11/20/2024	18:58

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VY020372.D BFB Injection Date: 11/21/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:32

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	21.5
75	30.0 - 60.0% of mass 95	55.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	70.4 (95.6) 1
177	5.0 - 9.0% of mass 176	4.7 (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	VY020373.D	11/21/2024	09:25
VY1121SBL01	VY1121SBL01	VY020374.D	11/21/2024	09:59
VY1121SBS01	VY1121SBS01	VY020375.D	11/21/2024	10:39
PH2-BOT-005	P4860-10	VY020389.D	11/21/2024	16:06
PH2-BOT-006	P4860-09	VY020390.D	11/21/2024	16:30

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VD080058.D Date Analyzed: 11/18/2024

Instrument ID: MSVOA_D Time Analyzed: 09:51

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	175845	7.88	262205	8.78	246582	11.58
UPPER LIMIT	351690	8.375	524410	9.281	493164	12.081
LOWER LIMIT	87922.5	7.375	131103	8.281	123291	11.081
EPA SAMPLE NO.						
DUP-01	213473	7.88	350981	8.78	340318	11.58
PH2-BOT-001	219259	7.88	366320	8.78	329102	11.58
PH2-BOT-003	207332	7.88	367976	8.78	326426	11.58
PH2-BOT-004	200921	7.88	364222	8.78	324341	11.58
PH2-BOT-008	209792	7.88	360025	8.78	320832	11.58
PH2-BOT-007	216854	7.88	352745	8.78	326096	11.58
VD1118SBL01	175706	7.88	294729	8.78	273326	11.58
VD1118SBS01	178101	7.88	282863	8.78	258933	11.58
VD1118SBSD01	185362	7.88	285036	8.78	278035	11.58

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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VD080058.D Date Analyzed: 11/18/2024

Instrument ID: MSVOA_D Time Analyzed: 09:51

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	138959	13.516				
UPPER LIMIT	277918	14.016				
LOWER LIMIT	69479.5	13.016				
EPA SAMPLE NO.						
DUP-01	150840	13.52				
PH2-BOT-001	146457	13.52				
PH2-BOT-003	150989	13.52				
PH2-BOT-004	143861	13.52				
PH2-BOT-008	141967	13.52				
PH2-BOT-007	151026	13.52				
VD1118SBL01	122131	13.52				
VD1118SBS01	141556	13.52				
VD1118SBSD01	143766	13.52				

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VY020347.D Date Analyzed: 11/20/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:34

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	225214	7.71	368816	8.62	305686	11.42
UPPER LIMIT	450428	8.213	737632	9.122	611372	11.92
LOWER LIMIT	112607	7.213	184408	8.122	152843	10.92
EPA SAMPLE NO.						
PH2-BOT-002	137679	7.71	269671	8.62	257307	11.41
PH2-BOT-009	142975	7.71	273649	8.62	253521	11.41
VY1120SBL01	160712	7.71	312610	8.62	282610	11.42
VY1120SBS01	210349	7.71	347339	8.62	288195	11.42

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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VY020347.D Date Analyzed: 11/20/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:34

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

	IS4 AREA #	RT #				
12 HOUR STD	139421	13.352				
UPPER LIMIT	278842	13.852				
LOWER LIMIT	69710.5	12.852				
EPA SAMPLE NO.						
PH2-BOT-002	102362	13.35				
PH2-BOT-009	99327	13.35				
VY1120SBL01	104132	13.35				
VY1120SBS01	135305	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VY020373.D Date Analyzed: 11/21/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:25

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	191018	7.71	313957	8.62	263957	11.42
UPPER LIMIT	382036	8.213	627914	9.122	527914	11.92
LOWER LIMIT	95509	7.213	156979	8.122	131979	10.92
EPA SAMPLE NO.						
PH2-BOT-006	140871	7.71	273565	8.62	262252	11.41
PH2-BOT-005	140636	7.71	270374	8.62	252016	11.41
VY1121SBL01	139506	7.71	270751	8.62	245370	11.42
VY1121SBS01	180247	7.71	303523	8.62	255135	11.42

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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VY020373.D Date Analyzed: 11/21/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:25

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

	IS4 AREA #	RT #				
12 HOUR STD	121826	13.352				
UPPER LIMIT	243652	13.852				
LOWER LIMIT	60913	12.852				
EPA SAMPLE NO.						
PH2-BOT-006	106466	13.35				
PH2-BOT-005	101642	13.35				
VY1121SBL01	89046	13.35				
VY1121SBS01	121310	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBL01	SDG No.:	P4860
Lab Sample ID:	VD1118SBL01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080059.D	1		11/18/24 10:27	VD111824

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

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBL01	SDG No.:	P4860
Lab Sample ID:	VD1118SBL01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080059.D	1		11/18/24 10:27	VD111824

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	49.5		70 (50) - 130 (163)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	44.4		70 (58) - 130 (134)	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.2		70 (29) - 130 (146)	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	7.875			
540-36-3	1,4-Difluorobenzene	295000	8.781			
3114-55-4	Chlorobenzene-d5	273000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	122000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBL01	SDG No.:	P4860
Lab Sample ID:	VD1118SBL01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080059.D	1		11/18/24 10:27	VD111824

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1120SBL01	SDG No.:	P4860
Lab Sample ID:	VY1120SBL01	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
VY020348.D	1		11/20/24 10:07	VY112024

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

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1120SBL01	SDG No.:	P4860
Lab Sample ID:	VY1120SBL01	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
VY020348.D	1		11/20/24 10:07	VY112024

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	53.2		70 (50) - 130 (163)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	48.1		70 (58) - 130 (134)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (29) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	7.713			
540-36-3	1,4-Difluorobenzene	313000	8.616			
3114-55-4	Chlorobenzene-d5	283000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.346			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1120SBL01	SDG No.:	P4860
Lab Sample ID:	VY1120SBL01	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
VY020348.D	1		11/20/24 10:07	VY112024

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1121SBL01	SDG No.:	P4860
Lab Sample ID:	VY1121SBL01	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
VY020374.D	1		11/21/24 09:59	VY112124

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

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1121SBL01	SDG No.:	P4860
Lab Sample ID:	VY1121SBL01	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
VY020374.D	1		11/21/24 09:59	VY112124

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	51.9		70 (50) - 130 (163)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (58) - 130 (134)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		70 (29) - 130 (146)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140000	7.713			
540-36-3	1,4-Difluorobenzene	271000	8.616			
3114-55-4	Chlorobenzene-d5	245000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	89000	13.353			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1121SBL01	SDG No.:	P4860
Lab Sample ID:	VY1121SBL01	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
VY020374.D	1		11/21/24 09:59	VY112124

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBS01	SDG No.:	P4860
Lab Sample ID:	VD1118SBS01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080060.D	1		11/18/24 10:55	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.3		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	22.5		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.3		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.0		0.78	5.00	ug/Kg
67-64-1	Acetone	96.9		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.8		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.2		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	19.2		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.9		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.5		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.0		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.3		0.69	5.00	ug/Kg
78-93-3	2-Butanone	83.2		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.4		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	17.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.1		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	18.3		0.87	5.00	ug/Kg
71-43-2	Benzene	19.3		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.6		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.5		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	98.5		4.40	25.0	ug/Kg
108-88-3	Toluene	19.5		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBS01	SDG No.:	P4860
Lab Sample ID:	VD1118SBS01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080060.D	1		11/18/24 10:55	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.3		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.3		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.3		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	92.0		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.2		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.5		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.7		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.70	5.00	ug/Kg
100-42-5	Styrene	19.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.2		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.5		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.6		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		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	18.7		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.4		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.5		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		70 (50) - 130 (163)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (58) - 130 (134)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (29) - 130 (146)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	178000	7.875			
540-36-3	1,4-Difluorobenzene	283000	8.775			
3114-55-4	Chlorobenzene-d5	259000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBS01	SDG No.:	P4860
Lab Sample ID:	VD1118SBS01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080060.D	1		11/18/24 10:55	VD111824

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1120SBS01	SDG No.:	P4860
Lab Sample ID:	VY1120SBS01	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
VY020349.D	1		11/20/24 10:53	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.8		1.70	5.00	ug/Kg
74-87-3	Chloromethane	14.5		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	16.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	16.6		1.00	5.00	ug/Kg
75-00-3	Chloroethane	15.9		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.1		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	17.9		0.78	5.00	ug/Kg
67-64-1	Acetone	85.6		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.2		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	17.6		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	16.3		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	17.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.2		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	17.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.4		0.69	5.00	ug/Kg
78-93-3	2-Butanone	92.7		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	18.0		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	17.3		2.40	5.00	ug/Kg
67-66-3	Chloroform	17.6		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	18.7		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.5		0.87	5.00	ug/Kg
71-43-2	Benzene	18.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.0		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.6		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	18.2		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	18.4		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	93.2		4.40	25.0	ug/Kg
108-88-3	Toluene	18.9		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1120SBS01	SDG No.:	P4860
Lab Sample ID:	VY1120SBS01	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
VY020349.D	1		11/20/24 10:53	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	18.9		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	17.9		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	94.7		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	17.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	17.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.4		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.3		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.7		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.6		0.70	5.00	ug/Kg
100-42-5	Styrene	19.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.7		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.5		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	17.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.1		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	17.9		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.2		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.2		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.3		70 (50) - 130 (163)	87%	SPK: 50
1868-53-7	Dibromofluoromethane	41.3		70 (54) - 130 (147)	83%	SPK: 50
2037-26-5	Toluene-d8	42.7		70 (58) - 130 (134)	85%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		70 (29) - 130 (146)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	7.713			
540-36-3	1,4-Difluorobenzene	347000	8.616			
3114-55-4	Chlorobenzene-d5	288000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	135000	13.353			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1120SBS01	SDG No.:	P4860
Lab Sample ID:	VY1120SBS01	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
VY020349.D	1		11/20/24 10:53	VY112024

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1121SBS01	SDG No.:	P4860
Lab Sample ID:	VY1121SBS01	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
VY020375.D	1		11/21/24 10:39	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.3		1.70	5.00	ug/Kg
74-87-3	Chloromethane	14.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	15.8		0.77	5.00	ug/Kg
74-83-9	Bromomethane	17.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	17.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.3		0.78	5.00	ug/Kg
67-64-1	Acetone	93.9		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.3		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.3		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	18.1		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.0		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.9		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	18.5		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.7		0.69	5.00	ug/Kg
78-93-3	2-Butanone	99.8		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.1		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	18.1		2.40	5.00	ug/Kg
67-66-3	Chloroform	19.0		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.8		0.87	5.00	ug/Kg
71-43-2	Benzene	19.6		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.7		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.3		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.1		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.9		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	99.7		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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1121SBS01	SDG No.:	P4860
Lab Sample ID:	VY1121SBS01	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
VY020375.D	1		11/21/24 10:39	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.9		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.7		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.6		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.6		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.0		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.2		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.5		0.70	5.00	ug/Kg
100-42-5	Styrene	19.8		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.7		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.4		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.4		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	18.6		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.9		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.6		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.0		70 (50) - 130 (163)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	43.7		70 (54) - 130 (147)	87%	SPK: 50
2037-26-5	Toluene-d8	43.3		70 (58) - 130 (134)	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (29) - 130 (146)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	7.713			
540-36-3	1,4-Difluorobenzene	304000	8.616			
3114-55-4	Chlorobenzene-d5	255000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.352			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1121SBS01	SDG No.:	P4860
Lab Sample ID:	VY1121SBS01	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
VY020375.D	1		11/21/24 10:39	VY112124

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBSD01	SDG No.:	P4860
Lab Sample ID:	VD1118SBSD01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080061.D	1		11/18/24 11:22	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.6		1.70	5.00	ug/Kg
74-87-3	Chloromethane	17.2		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.9		0.77	5.00	ug/Kg
74-83-9	Bromomethane	17.1		1.00	5.00	ug/Kg
75-00-3	Chloroethane	17.5		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	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.7		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.9		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.7		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.4		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.2		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.2		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	19.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.5		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.3		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	18.2		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.6		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.87	5.00	ug/Kg
71-43-2	Benzene	20.8		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.1		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	21.3		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBSD01	SDG No.:	P4860
Lab Sample ID:	VD1118SBSD01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080061.D	1		11/18/24 11:22	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.9		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.9		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.6		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	23.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	22.4		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		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	39.5		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.70	5.00	ug/Kg
100-42-5	Styrene	20.5		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.6		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.9		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.9		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.6		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.9		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.6		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	20.8		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.0		70 (50) - 130 (163)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (29) - 130 (146)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	185000	7.875			
540-36-3	1,4-Difluorobenzene	285000	8.781			
3114-55-4	Chlorobenzene-d5	278000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBSD01	SDG No.:	P4860
Lab Sample ID:	VD1118SBSD01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080061.D	1		11/18/24 11:22	VD111824

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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_D Calibration Date(s): 11/15/2024 11/15/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:04 12:18

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VD080020.D RRF010 = VD080021.D RRF020 = VD080022.D
RRF050 = VD080023.D RRF100 = VD080024.D RRF150 = VD080025.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.465	0.388	0.364	0.396	0.396	0.399	0.401	8.4
Chloromethane	0.330	0.348	0.279	0.276	0.281	0.257	0.295	12.1
Vinyl Chloride	0.377	0.390	0.312	0.322	0.330	0.290	0.337	11.5
Bromomethane	0.451	0.498	0.345	0.305	0.347	0.296	0.374	22
Chloroethane	0.254	0.309	0.228	0.208	0.251	0.195	0.241	16.9
Trichlorofluoromethane	0.935	0.919	0.763	0.766	0.824	0.758	0.827	9.8
1,1,2-Trichlorotrifluoroethane	0.571	0.563	0.486	0.481	0.498	0.503	0.517	7.6
1,1-Dichloroethene	0.535	0.540	0.494	0.491	0.519	0.529	0.518	4.1
Acetone	0.101	0.116	0.091	0.106	0.132	0.124	0.112	13.6
Carbon Disulfide	1.724	1.793	1.552	1.554	1.697	1.690	1.668	5.8
Methyl tert-butyl Ether	0.877	1.057	1.011	1.088	1.156	1.153	1.057	9.9
Methyl Acetate	0.270	0.251	0.248	0.214	0.255	0.249	0.248	7.5
Methylene Chloride	0.643	0.628	0.612	0.556	0.581	0.575	0.599	5.6
trans-1,2-Dichloroethene	0.589	0.579	0.536	0.578	0.579	0.576	0.573	3.3
1,1-Dichloroethane	1.015	1.040	0.961	0.973	0.974	0.972	0.989	3.2
Cyclohexane	0.945	0.869	0.780	0.797	0.811	0.828	0.838	7.2
2-Butanone	0.135	0.141	0.139	0.154	0.155	0.152	0.146	5.8
Carbon Tetrachloride	0.521	0.515	0.482	0.491	0.483	0.490	0.497	3.4
cis-1,2-Dichloroethene	0.665	0.649	0.620	0.656	0.675	0.679	0.657	3.2
Bromochloromethane	0.506	0.495	0.416	0.406	0.402	0.415	0.440	10.7
Chloroform	1.057	1.143	1.012	1.019	1.006	1.015	1.042	5
1,1,1-Trichloroethane	0.970	0.930	0.851	0.869	0.864	0.867	0.892	5.3
Methylcyclohexane	0.517	0.515	0.476	0.556	0.583	0.604	0.542	8.9
Benzene	1.391	1.430	1.351	1.436	1.439	1.463	1.418	2.8
1,2-Dichloroethane	0.376	0.382	0.350	0.368	0.367	0.359	0.367	3.1
Trichloroethene	0.378	0.389	0.341	0.361	0.361	0.372	0.367	4.5
1,2-Dichloropropane	0.333	0.345	0.329	0.352	0.342	0.344	0.341	2.5
Bromodichloromethane	0.513	0.504	0.472	0.499	0.492	0.497	0.496	2.8
4-Methyl-2-Pentanone	0.160	0.164	0.172	0.193	0.197	0.193	0.180	9.1
Toluene	0.814	0.864	0.823	0.917	0.927	0.945	0.881	6.4

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_D Calibration Date(s): 11/15/2024 11/15/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:04 12:18

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VD080020.D RRF010 = VD080021.D RRF020 = VD080022.D
RRF050 = VD080023.D RRF100 = VD080024.D RRF150 = VD080025.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.401	0.440	0.420	0.459	0.465	0.471	0.442	6.2
cis-1,3-Dichloropropene	0.490	0.501	0.506	0.542	0.549	0.555	0.524	5.3
1,1,2-Trichloroethane	0.256	0.276	0.250	0.267	0.262	0.263	0.262	3.4
2-Hexanone	0.108	0.124	0.122	0.147	0.148	0.145	0.132	12.5
Dibromochloromethane	0.317	0.348	0.320	0.349	0.343	0.349	0.338	4.5
1,2-Dibromoethane	0.234	0.251	0.237	0.252	0.256	0.255	0.247	3.9
Tetrachloroethene	0.386	0.365	0.337	0.342	0.352	0.355	0.356	5
Chlorobenzene	1.138	1.102	1.024	1.070	1.095	1.116	1.091	3.6
Ethyl Benzene	1.740	1.714	1.693	1.866	1.965	2.002	1.830	7.3
m/p-Xylenes	0.647	0.688	0.683	0.727	0.766	0.780	0.715	7.2
o-Xylene	0.542	0.595	0.604	0.670	0.720	0.726	0.643	11.5
Styrene	0.969	1.068	1.105	1.212	1.259	1.271	1.148	10.5
Bromoform	0.240	0.222	0.215	0.223	0.222	0.221	0.224	3.8
Isopropylbenzene	3.045	3.093	2.974	3.271	3.463	3.501	3.224	6.9
1,1,2,2-Tetrachloroethane	0.661	0.656	0.585	0.608	0.612	0.597	0.620	5.1
1,3-Dichlorobenzene	1.711	1.653	1.627	1.688	1.735	1.768	1.697	3.1
1,4-Dichlorobenzene	1.809	1.769	1.608	1.661	1.692	1.686	1.704	4.3
1,2-Dichlorobenzene	1.500	1.502	1.408	1.473	1.502	1.494	1.480	2.5
1,2-Dibromo-3-Chloropropane	0.083	0.109	0.090	0.091	0.096	0.093	0.094	8.9
1,2,4-Trichlorobenzene	0.913	0.860	0.855	0.923	1.001	1.014	0.928	7.3
1,2,3-Trichlorobenzene	0.766	0.782	0.751	0.825	0.873	0.891	0.815	7.1
1,2-Dichloroethane-d4	0.554	0.532	0.451	0.526	0.504	0.523	0.515	6.8
Dibromofluoromethane	0.335	0.357	0.285	0.338	0.329	0.354	0.333	7.8
Toluene-d8	1.162	1.249	1.087	1.330	1.303	1.393	1.254	9
4-Bromofluorobenzene	0.388	0.392	0.353	0.435	0.437	0.464	0.411	9.9

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_Y Calibration Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Calibration Time(s): 15:49 17:42

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

LAB FILE ID: RRF005 = VY020338.D RRF010 = VY020339.D RRF020 = VY020340.D
RRF050 = VY020341.D RRF100 = VY020342.D RRF150 = VY020343.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.573	0.448	0.467	0.454	0.465	0.506	0.485	9.8
Chloromethane	0.989	0.788	0.765	0.681	0.589	0.599	0.735	20.3
Vinyl Chloride	0.816	0.722	0.664	0.622	0.572	0.599	0.666	13.6
Bromomethane	0.415	0.391	0.293	0.314	0.280	0.302	0.333	16.9
Chloroethane	0.531	0.376	0.362	0.370	0.334	0.357	0.388	18.3
Trichlorofluoromethane	1.130	0.863	0.896	0.931	0.821	0.910	0.925	11.6
1,1,2-Trichlorotrifluoroethane	0.666	0.508	0.536	0.592	0.479	0.525	0.551	12.3
1,1-Dichloroethene	0.647	0.492	0.536	0.586	0.488	0.524	0.545	11.2
Acetone	0.160	0.110	0.132	0.160	0.141	0.123	0.138	14.7
Carbon Disulfide	2.169	1.635	1.750	2.073	1.647	1.753	1.838	12.4
Methyl tert-butyl Ether	1.574	1.297	1.482	1.399	1.404	1.346	1.417	7
Methyl Acetate	0.388	0.283	0.339	0.302	0.327	0.288	0.321	12.2
Methylene Chloride	0.693	0.546	0.595	0.571	0.543	0.552	0.583	9.8
trans-1,2-Dichloroethene	0.721	0.563	0.627	0.601	0.552	0.571	0.606	10.4
1,1-Dichloroethane	1.461	1.141	1.083	1.137	1.101	1.117	1.173	12.2
Cyclohexane	1.318	1.107	1.004	1.035	0.969	0.991	1.071	12.2
2-Butanone	0.179	0.176	0.168	0.180	0.197	0.165	0.177	6.5
Carbon Tetrachloride	0.575	0.500	0.500	0.478	0.483	0.533	0.511	7.2
cis-1,2-Dichloroethene	0.710	0.664	0.643	0.687	0.647	0.653	0.667	3.9
Bromochloromethane	0.534	0.553	0.441	0.509	0.450	0.476	0.494	9.2
Chloroform	1.198	1.161	1.069	1.236	1.064	1.072	1.133	6.6
1,1,1-Trichloroethane	1.068	1.042	0.941	0.997	0.940	0.982	0.995	5.3
Methylcyclohexane	0.695	0.587	0.612	0.583	0.570	0.630	0.613	7.5
Benzene	1.632	1.376	1.440	1.348	1.378	1.435	1.435	7.2
1,2-Dichloroethane	0.416	0.372	0.398	0.364	0.386	0.389	0.387	4.8
Trichloroethene	0.388	0.331	0.343	0.320	0.318	0.339	0.340	7.5
1,2-Dichloropropane	0.374	0.331	0.348	0.319	0.334	0.347	0.342	5.5
Bromodichloromethane	0.525	0.458	0.479	0.492	0.463	0.490	0.484	5
4-Methyl-2-Pentanone	0.210	0.190	0.219	0.246	0.245	0.219	0.221	9.7
Toluene	0.970	0.836	0.890	0.850	0.829	0.889	0.877	6

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_Y Calibration Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Calibration Time(s): 15:49 17:42

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

LAB FILE ID: RRF005 = VY020338.D RRF010 = VY020339.D RRF020 = VY020340.D
RRF050 = VY020341.D RRF100 = VY020342.D RRF150 = VY020343.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.534	0.401	0.446	0.448	0.456	0.463	0.458	9.5
cis-1,3-Dichloropropene	0.541	0.493	0.527	0.505	0.530	0.551	0.524	4.1
1,1,2-Trichloroethane	0.250	0.223	0.263	0.219	0.222	0.221	0.233	8.1
2-Hexanone	0.142	0.135	0.160	0.171	0.177	0.155	0.157	10.3
Dibromochloromethane	0.319	0.273	0.307	0.305	0.297	0.300	0.300	5.1
1,2-Dibromoethane	0.247	0.200	0.221	0.217	0.204	0.206	0.216	8.1
Tetrachloroethene	0.402	0.344	0.401	0.331	0.333	0.350	0.360	9.1
Chlorobenzene	1.258	1.079	1.083	1.144	1.040	1.085	1.115	7
Ethyl Benzene	2.319	1.973	2.002	2.051	1.932	2.063	2.057	6.7
m/p-Xylenes	0.829	0.725	0.742	0.708	0.696	0.745	0.741	6.4
o-Xylene	0.770	0.694	0.711	0.668	0.666	0.706	0.703	5.4
Styrene	1.261	1.128	1.165	1.131	1.131	1.188	1.167	4.5
Bromoform	0.207	0.180	0.195	0.189	0.199	0.194	0.194	4.7
Isopropylbenzene	4.851	4.028	4.070	4.314	3.899	4.251	4.236	8
1,1,2,2-Tetrachloroethane	0.729	0.646	0.683	0.728	0.676	0.646	0.685	5.4
1,3-Dichlorobenzene	2.072	1.668	1.839	1.848	1.621	1.719	1.794	9.1
1,4-Dichlorobenzene	1.938	1.651	1.709	1.730	1.579	1.679	1.714	7.1
1,2-Dichlorobenzene	1.630	1.401	1.506	1.547	1.414	1.474	1.495	5.7
1,2-Dibromo-3-Chloropropane	0.130	0.098	0.108	0.119	0.113	0.105	0.112	10
1,2,4-Trichlorobenzene	0.974	0.841	0.856	0.894	0.900	0.958	0.904	5.9
1,2,3-Trichlorobenzene	0.817	0.784	0.721	0.748	0.762	0.806	0.773	4.7
1,2-Dichloroethane-d4	0.609	0.523	0.545	0.636	0.563	0.571	0.574	7.3
Dibromofluoromethane	0.346	0.347	0.307	0.323	0.288	0.312	0.321	7.2
Toluene-d8	1.397	1.186	1.208	1.398	1.130	1.259	1.263	8.9
4-Bromofluorobenzene	0.459	0.381	0.384	0.430	0.369	0.413	0.406	8.5

* 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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_D Calibration Date/Time: 11/18/2024 09:51

Lab File ID: VD080058.D Init. Calib. Date(s): 11/15/2024 11/15/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:04 12:18

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.401	0.410		2.24	20
Chloromethane	0.295	0.265	0.1	-10.17	20
Vinyl Chloride	0.337	0.308		-8.6	20
Bromomethane	0.374	0.322		-13.9	20
Chloroethane	0.241	0.206		-14.52	20
Trichlorofluoromethane	0.827	0.852		3.02	20
1,1,2-Trichlorotrifluoroethane	0.517	0.574		11.02	20
1,1-Dichloroethene	0.518	0.539		4.05	20
Acetone	0.112	0.136		21.43	20
Carbon Disulfide	1.668	1.742		4.44	20
Methyl tert-butyl Ether	1.057	1.138		7.66	20
Methyl Acetate	0.248	0.252		1.61	20
Methylene Chloride	0.599	0.607		1.34	20
trans-1,2-Dichloroethene	0.573	0.612		6.81	20
1,1-Dichloroethane	0.989	1.006	0.1	1.72	20
Cyclohexane	0.838	0.852		1.67	20
2-Butanone	0.146	0.160		9.59	20
Carbon Tetrachloride	0.497	0.570		14.69	20
cis-1,2-Dichloroethene	0.657	0.682		3.81	20
Bromochloromethane	0.440	0.409		-7.05	20
Chloroform	1.042	1.115		7.01	20
1,1,1-Trichloroethane	0.892	0.953		6.84	20
Methylcyclohexane	0.542	0.647		19.37	20
Benzene	1.418	1.574		11	20
1,2-Dichloroethane	0.367	0.414		12.81	20
Trichloroethene	0.367	0.403		9.81	20
1,2-Dichloropropane	0.341	0.380		11.44	20
Bromodichloromethane	0.496	0.561		13.1	20
4-Methyl-2-Pentanone	0.180	0.222		23.33	20
Toluene	0.881	1.039		17.93	20
t-1,3-Dichloropropene	0.442	0.504		14.03	20
cis-1,3-Dichloropropene	0.524	0.597		13.93	20
1,1,2-Trichloroethane	0.262	0.299		14.12	20
2-Hexanone	0.132	0.172		30.3	20
Dibromochloromethane	0.338	0.402		18.93	20
1,2-Dibromoethane	0.247	0.292		18.22	20
Tetrachloroethene	0.356	0.401		12.64	20
Chlorobenzene	1.091	1.194	0.3	9.44	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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_D Calibration Date/Time: 11/18/2024 09:51

Lab File ID: VD080058.D Init. Calib. Date(s): 11/15/2024 11/15/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:04 12:18

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.830	2.115		15.57	20
m/p-Xylenes	0.715	0.835		16.78	20
o-Xylene	0.643	0.755		17.42	20
Styrene	1.148	1.353		17.86	20
Bromoform	0.224	0.262	0.1	16.96	20
Isopropylbenzene	3.224	3.560		10.42	20
1,1,2,2-Tetrachloroethane	0.620	0.671	0.3	8.23	20
1,3-Dichlorobenzene	1.697	1.841		8.49	20
1,4-Dichlorobenzene	1.704	1.824		7.04	20
1,2-Dichlorobenzene	1.480	1.593		7.64	20
1,2-Dibromo-3-Chloropropane	0.094	0.097		3.19	20
1,2,4-Trichlorobenzene	0.928	1.118		20.47	20
1,2,3-Trichlorobenzene	0.815	0.928		13.86	20
1,2-Dichloroethane-d4	0.515	0.514		-0.19	20
Dibromofluoromethane	0.333	0.359		7.81	20
Toluene-d8	1.254	1.382		10.21	20
4-Bromofluorobenzene	0.411	0.467		13.63	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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_Y Calibration Date/Time: 11/20/2024 09:34

Lab File ID: VY020347.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.485	0.550		13.4	20
Chloromethane	0.735	0.591	0.1	-19.59	20
Vinyl Chloride	0.666	0.589		-11.56	20
Bromomethane	0.333	0.311		-6.61	20
Chloroethane	0.388	0.354		-8.76	20
Trichlorofluoromethane	0.925	0.956		3.35	20
1,1,2-Trichlorotrifluoroethane	0.551	0.547		-0.73	20
1,1-Dichloroethene	0.545	0.537		-1.47	20
Acetone	0.138	0.155		12.32	20
Carbon Disulfide	1.838	1.781		-3.1	20
Methyl tert-butyl Ether	1.417	1.362		-3.88	20
Methyl Acetate	0.321	0.302		-5.92	20
Methylene Chloride	0.583	0.553		-5.15	20
trans-1,2-Dichloroethene	0.606	0.587		-3.13	20
1,1-Dichloroethane	1.173	1.127	0.1	-3.92	20
Cyclohexane	1.071	1.061		-1.03	20
2-Butanone	0.177	0.192		8.48	20
Carbon Tetrachloride	0.511	0.567		10.96	20
cis-1,2-Dichloroethene	0.667	0.661		-0.9	20
Bromochloromethane	0.494	0.453		-8.3	20
Chloroform	1.133	1.085		-4.24	20
1,1,1-Trichloroethane	0.995	1.011		1.61	20
Methylcyclohexane	0.613	0.670		9.3	20
Benzene	1.435	1.470		2.44	20
1,2-Dichloroethane	0.387	0.400		3.36	20
Trichloroethene	0.340	0.345		1.47	20
1,2-Dichloropropane	0.342	0.347		1.46	20
Bromodichloromethane	0.484	0.494		2.07	20
4-Methyl-2-Pentanone	0.221	0.229		3.62	20
Toluene	0.877	0.892		1.71	20
t-1,3-Dichloropropene	0.458	0.466		1.75	20
cis-1,3-Dichloropropene	0.524	0.550		4.96	20
1,1,2-Trichloroethane	0.233	0.225		-3.43	20
2-Hexanone	0.157	0.176		12.1	20
Dibromochloromethane	0.300	0.305		1.67	20
1,2-Dibromoethane	0.216	0.209		-3.24	20
Tetrachloroethene	0.360	0.363		0.83	20
Chlorobenzene	1.115	1.114	0.3	-0.09	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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_Y Calibration Date/Time: 11/20/2024 09:34

Lab File ID: VY020347.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.057	2.117		2.92	20
m/p-Xylenes	0.741	0.770		3.91	20
o-Xylene	0.703	0.726		3.27	20
Styrene	1.167	1.218		4.37	20
Bromoform	0.194	0.200	0.1	3.09	20
Isopropylbenzene	4.236	4.367		3.09	20
1,1,2,2-Tetrachloroethane	0.685	0.666	0.3	-2.77	20
1,3-Dichlorobenzene	1.794	1.743		-2.84	20
1,4-Dichlorobenzene	1.714	1.708		-0.35	20
1,2-Dichlorobenzene	1.495	1.493		-0.13	20
1,2-Dibromo-3-Chloropropane	0.112	0.109		-2.68	20
1,2,4-Trichlorobenzene	0.904	0.954		5.53	20
1,2,3-Trichlorobenzene	0.773	0.794		2.72	20
1,2-Dichloroethane-d4	0.574	0.565		-1.57	20
Dibromofluoromethane	0.321	0.306		-4.67	20
Toluene-d8	1.263	1.246		-1.35	20
4-Bromofluorobenzene	0.406	0.409		0.74	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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_Y Calibration Date/Time: 11/21/2024 09:25

Lab File ID: VY020373.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.485	0.554		14.23	20
Chloromethane	0.735	0.578	0.1	-21.36	20
Vinyl Chloride	0.666	0.567		-14.86	20
Bromomethane	0.333	0.304		-8.71	20
Chloroethane	0.388	0.335		-13.66	20
Trichlorofluoromethane	0.925	0.962		4	20
1,1,2-Trichlorotrifluoroethane	0.551	0.533		-3.27	20
1,1-Dichloroethene	0.545	0.530		-2.75	20
Acetone	0.138	0.163		18.12	20
Carbon Disulfide	1.838	1.752		-4.68	20
Methyl tert-butyl Ether	1.417	1.447		2.12	20
Methyl Acetate	0.321	0.327		1.87	20
Methylene Chloride	0.583	0.567		-2.74	20
trans-1,2-Dichloroethene	0.606	0.581		-4.13	20
1,1-Dichloroethane	1.173	1.127	0.1	-3.92	20
Cyclohexane	1.071	1.017		-5.04	20
2-Butanone	0.177	0.204		15.25	20
Carbon Tetrachloride	0.511	0.577		12.92	20
cis-1,2-Dichloroethene	0.667	0.667		0	20
Bromochloromethane	0.494	0.461		-6.68	20
Chloroform	1.133	1.101		-2.82	20
1,1,1-Trichloroethane	0.995	1.042		4.72	20
Methylcyclohexane	0.613	0.632		3.1	20
Benzene	1.435	1.479		3.07	20
1,2-Dichloroethane	0.387	0.423		9.3	20
Trichloroethene	0.340	0.348		2.35	20
1,2-Dichloropropane	0.342	0.348		1.75	20
Bromodichloromethane	0.484	0.509		5.16	20
4-Methyl-2-Pentanone	0.221	0.244		10.41	20
Toluene	0.877	0.905		3.19	20
t-1,3-Dichloropropene	0.458	0.480		4.8	20
cis-1,3-Dichloropropene	0.524	0.559		6.68	20
1,1,2-Trichloroethane	0.233	0.236		1.29	20
2-Hexanone	0.157	0.185		17.83	20
Dibromochloromethane	0.300	0.320		6.67	20
1,2-Dibromoethane	0.216	0.221		2.32	20
Tetrachloroethene	0.360	0.362		0.56	20
Chlorobenzene	1.115	1.107	0.3	-0.72	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_Y Calibration Date/Time: 11/21/2024 09:25

Lab File ID: VY020373.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.057	2.103		2.24	20
m/p-Xylenes	0.741	0.763		2.97	20
o-Xylene	0.703	0.723		2.85	20
Styrene	1.167	1.231		5.48	20
Bromoform	0.194	0.213	0.1	9.79	20
Isopropylbenzene	4.236	4.245		0.21	20
1,1,2,2-Tetrachloroethane	0.685	0.699	0.3	2.04	20
1,3-Dichlorobenzene	1.794	1.751		-2.4	20
1,4-Dichlorobenzene	1.714	1.699		-0.88	20
1,2-Dichlorobenzene	1.495	1.513		1.2	20
1,2-Dibromo-3-Chloropropane	0.112	0.112		0	20
1,2,4-Trichlorobenzene	0.904	0.922		1.99	20
1,2,3-Trichlorobenzene	0.773	0.768		-0.65	20
1,2-Dichloroethane-d4	0.574	0.598		4.18	20
Dibromofluoromethane	0.321	0.316		-1.56	20
Toluene-d8	1.263	1.242		-1.66	20
4-Bromofluorobenzene	0.406	0.415		2.22	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_D\Data\VD111824\
Data File : VD080072.D
Acq On : 18 Nov 2024 16:39
Operator : RP/MD
Sample : P4860-01
Misc : 6.22G/5ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Quant Time: Nov 19 04:48:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

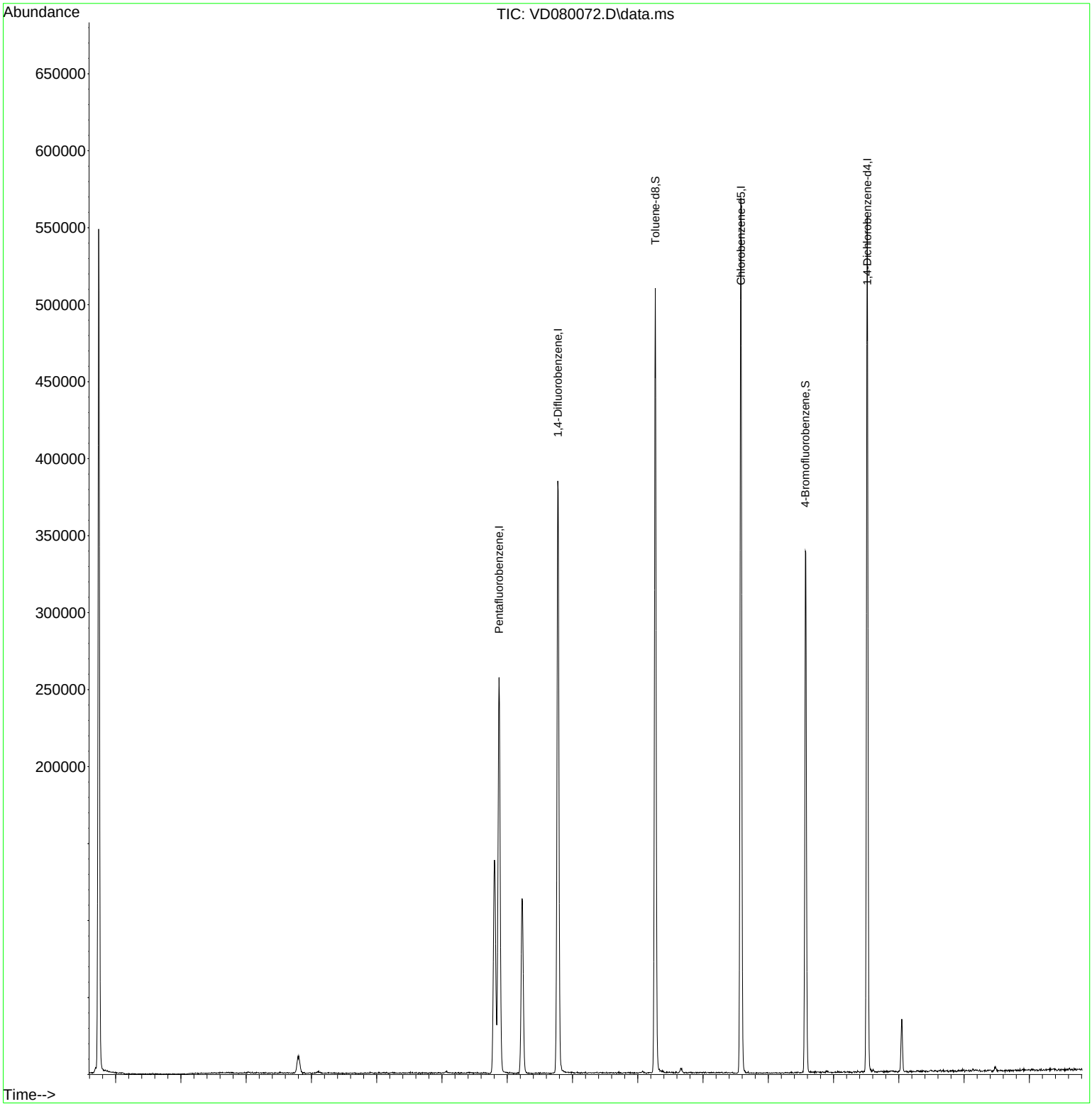
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	213473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	350981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	340318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	150840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	92578	42.121	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.240%		
35) Dibromofluoromethane	7.804	113	102719	43.974	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.940%		
50) Toluene-d8	10.269	98	353984	40.207	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	80.420%		
62) 4-Bromofluorobenzene	12.569	95	107786	37.316	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	74.640%		
Target Compounds						Qvalue

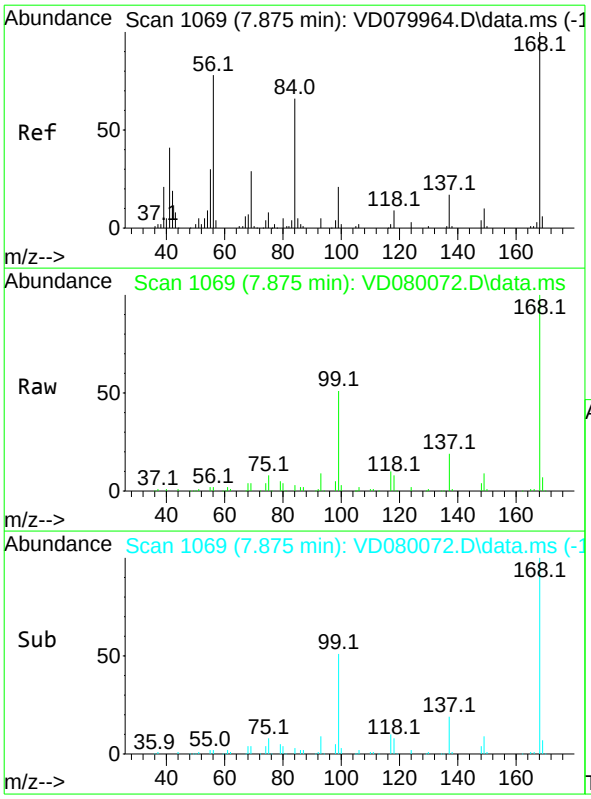
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080072.D
Acq On : 18 Nov 2024 16:39
Operator : RP/MD
Sample : P4860-01
Misc : 6.22G/5ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Quant Time: Nov 19 04:48:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



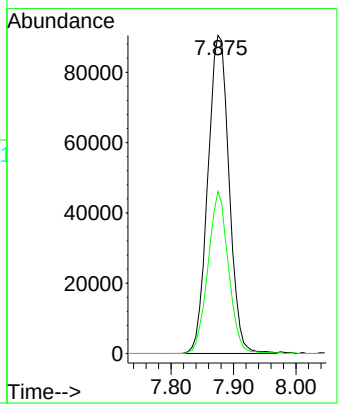


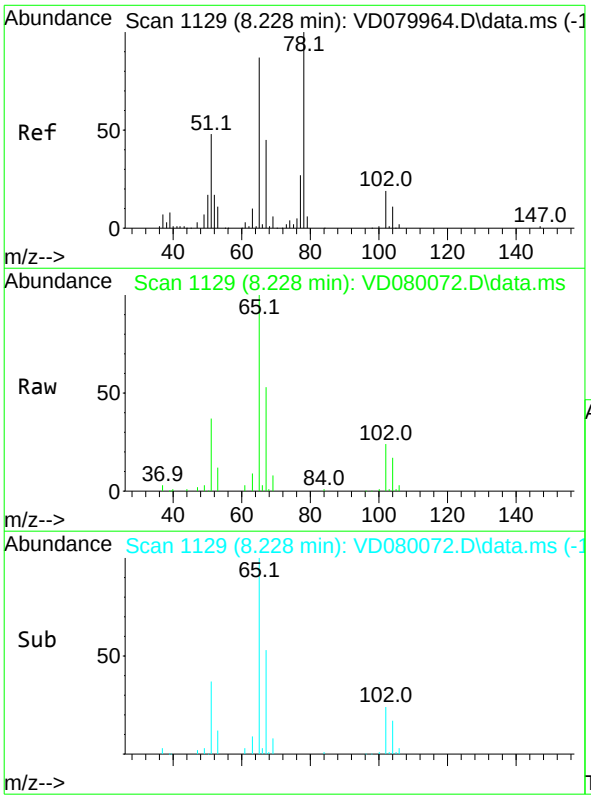
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Tgt Ion:168 Resp: 213473

Ion	Ratio	Lower	Upper
168	100		
99	50.9	46.0	69.0

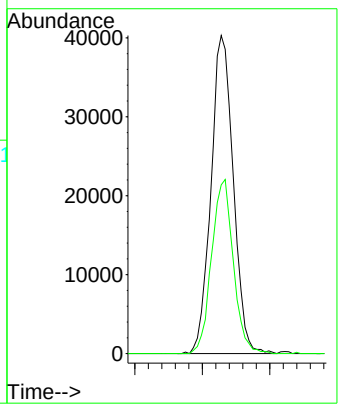


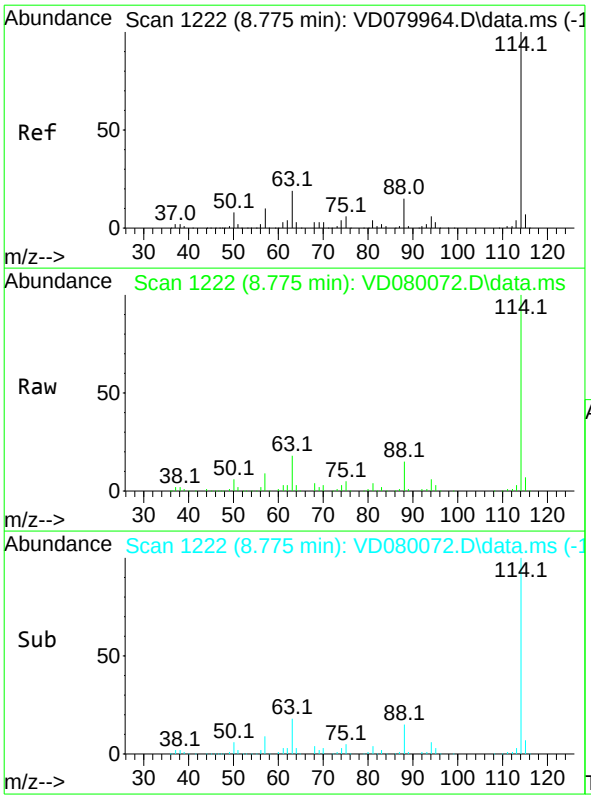


#33
1,2-Dichloroethane-d4
Concen: 42.121 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Tgt Ion: 65 Resp: 92578

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	109.2



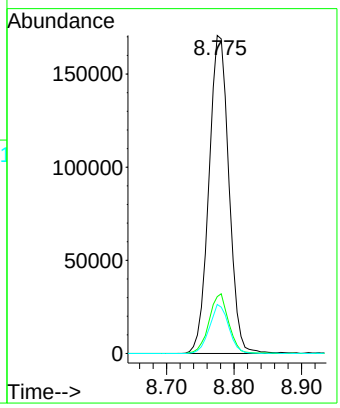


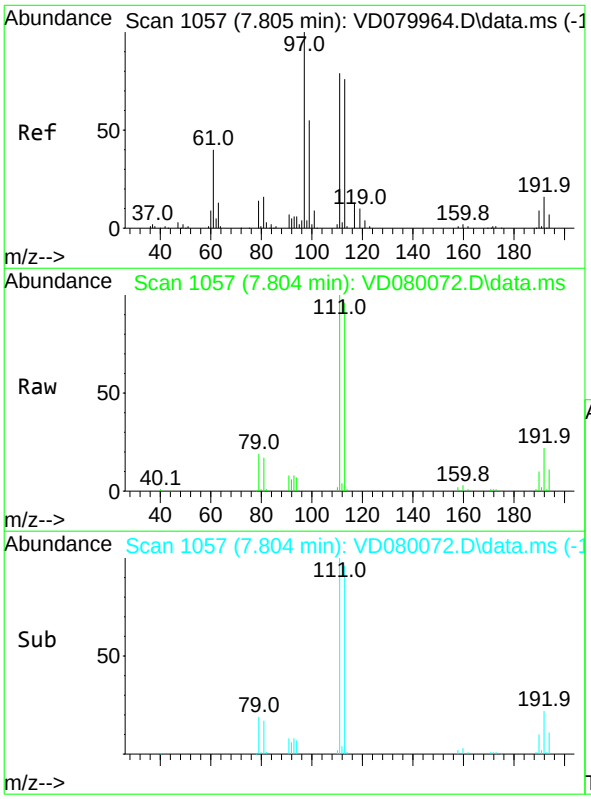
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Tgt Ion:114 Resp: 350981

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.8
88	15.4	0.0	30.6

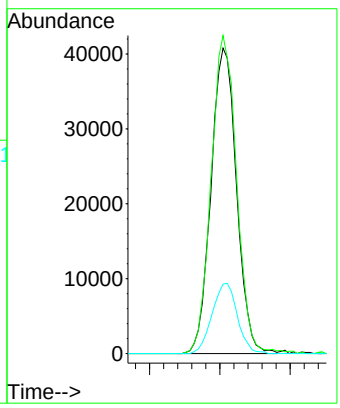


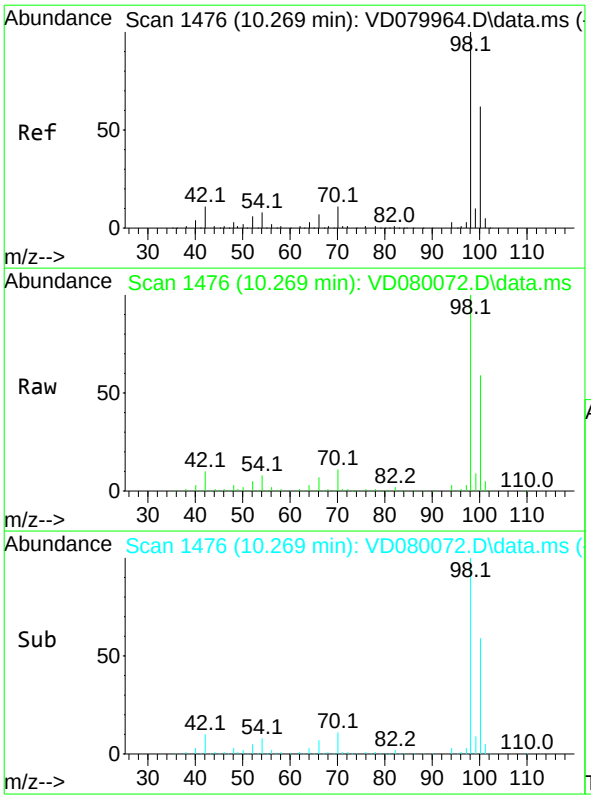


#35
Dibromofluoromethane
Concen: 43.974 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Tgt Ion:113 Resp: 102719

Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.5	123.7
192	22.8	16.6	25.0



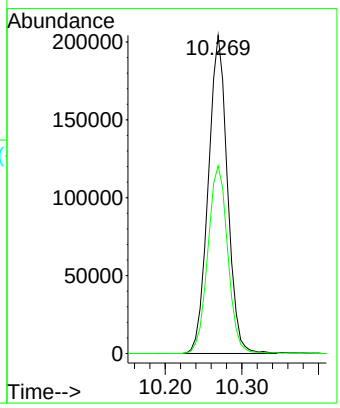


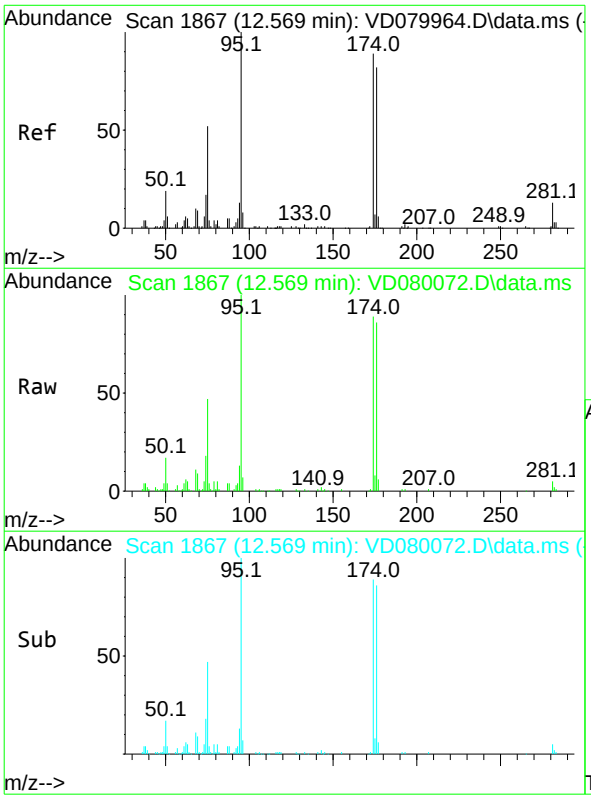
#50
Toluene-d8
Concen: 40.207 ug/l
RT: 10.269 min Scan# 14
Delta R.T. 0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Tgt Ion: 98 Resp: 353984

Ion	Ratio	Lower	Upper
98	100		
100	61.3	50.2	75.4

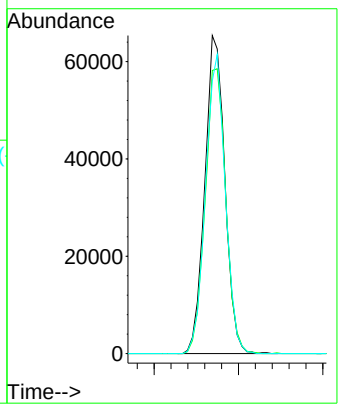


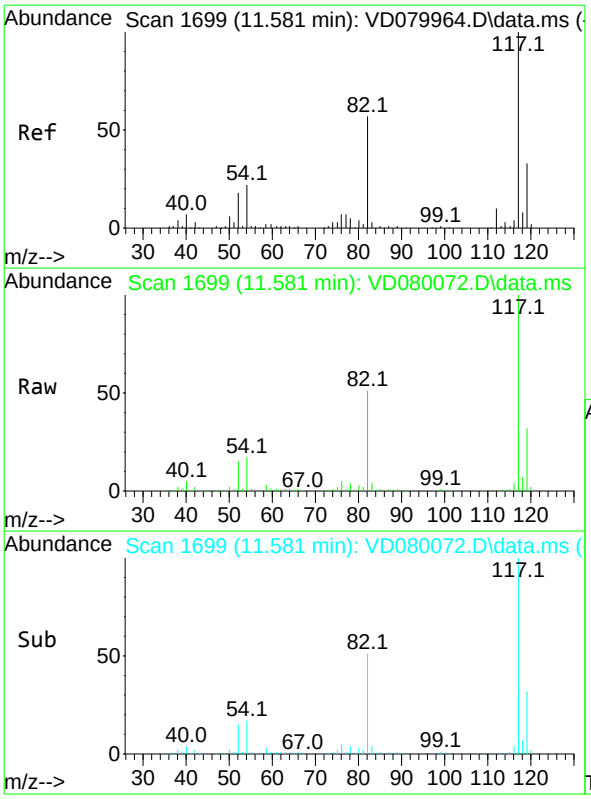


#62
4-Bromofluorobenzene
Concen: 37.316 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Tgt Ion: 95 Resp: 107786

Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	173.4
176	92.6	0.0	166.6



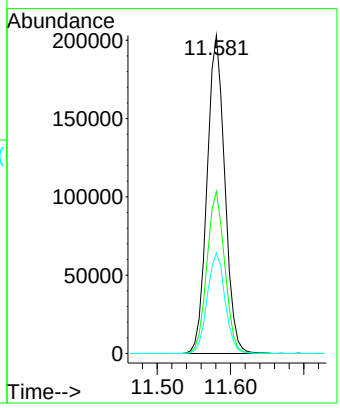


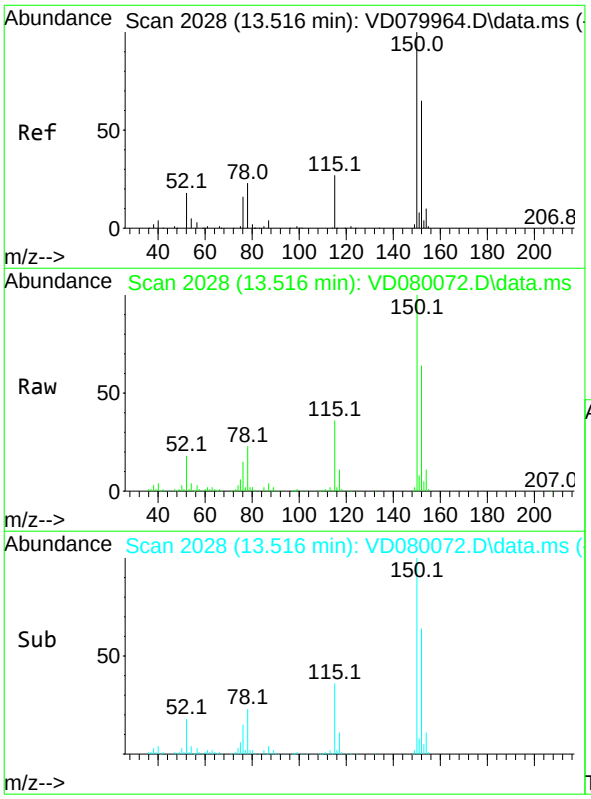
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 16
Delta R.T. -0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Tgt Ion:117 Resp: 340318

Ion	Ratio	Lower	Upper
117	100		
82	50.9	45.8	68.6
119	31.6	26.2	39.2

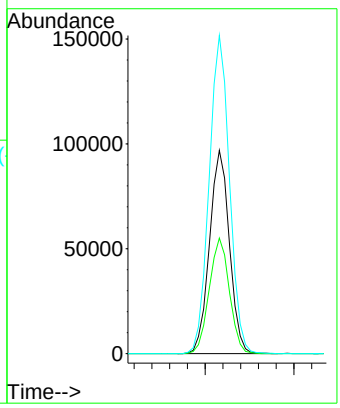




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Tgt Ion:152 Resp: 150840

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.9	86.8
150	159.9	0.0	354.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080072.D
Acq On : 18 Nov 2024 16:39
Operator : RP/MD
Sample : P4860-01
Misc : 6.22G/5ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080072.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	19	26	36	rVB	545530	853469	89.10%	13.713%
2	4.793	536	545	546	rBV	10660	17292	1.81%	0.278%
3	7.804	1047	1057	1063	rBV	138550	347083	36.23%	5.577%
4	7.875	1063	1069	1082	rVB	256403	584621	61.03%	9.393%
5	8.228	1121	1129	1144	rBV	113629	264166	27.58%	4.244%
6	8.775	1213	1222	1235	rBV	384269	789200	82.39%	12.680%
7	10.269	1466	1476	1485	rBV	509489	896075	93.55%	14.397%
8	11.581	1691	1699	1712	rVB	568540	957886	100.00%	15.390%
9	12.569	1861	1867	1877	rVB	338559	579088	60.45%	9.304%
10	13.516	2021	2028	2036	rBV	555819	880357	91.91%	14.145%
11	14.045	2112	2118	2126	rVB2	34249	54704	5.71%	0.879%

Sum of corrected areas: 6223941

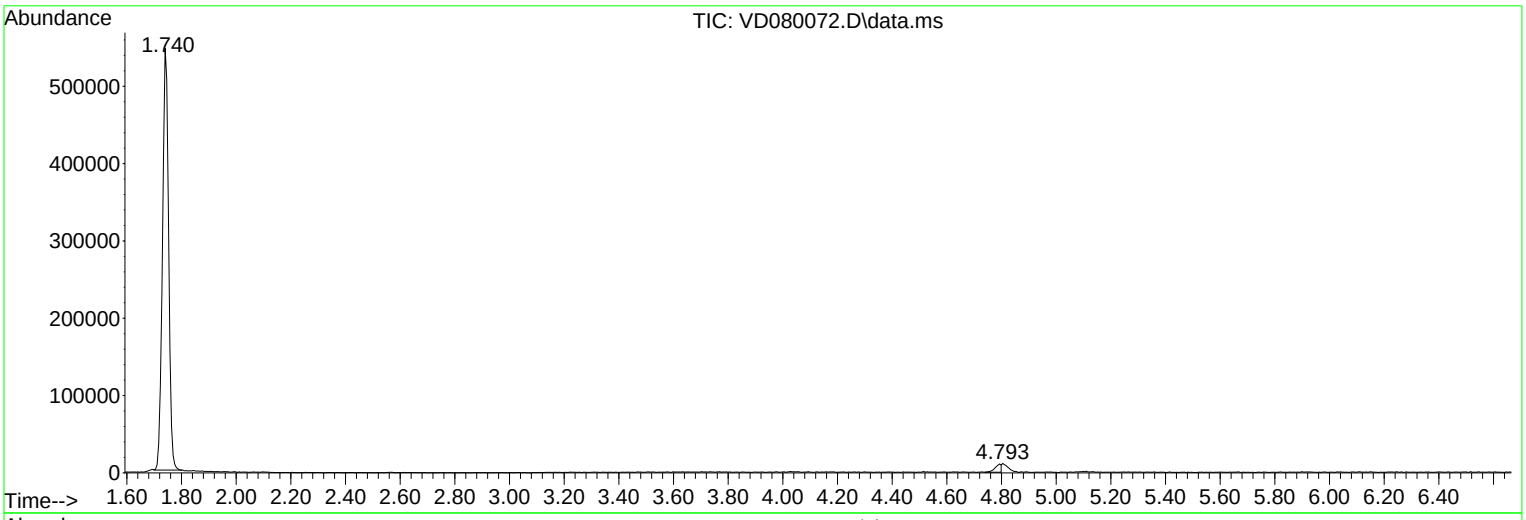
Sample Results: **VD080072.D**

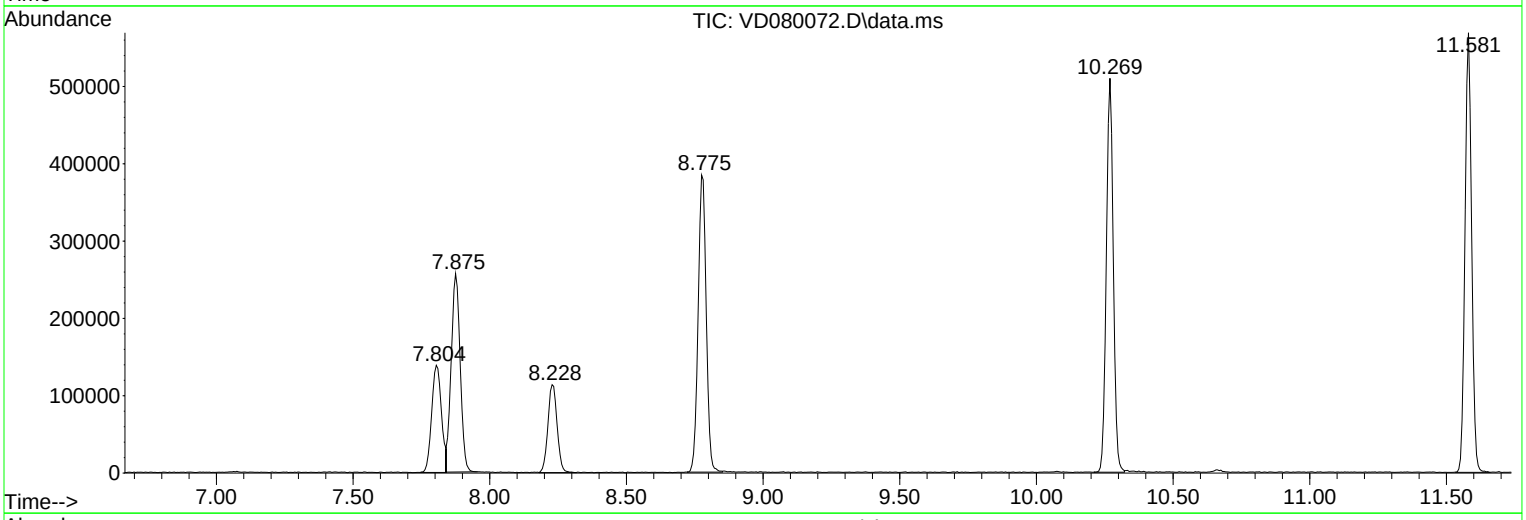
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080072.D
Acq On : 18 Nov 2024 16:39
Operator : RP/MD
Sample : P4860-01
Misc : 6.22G/5ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

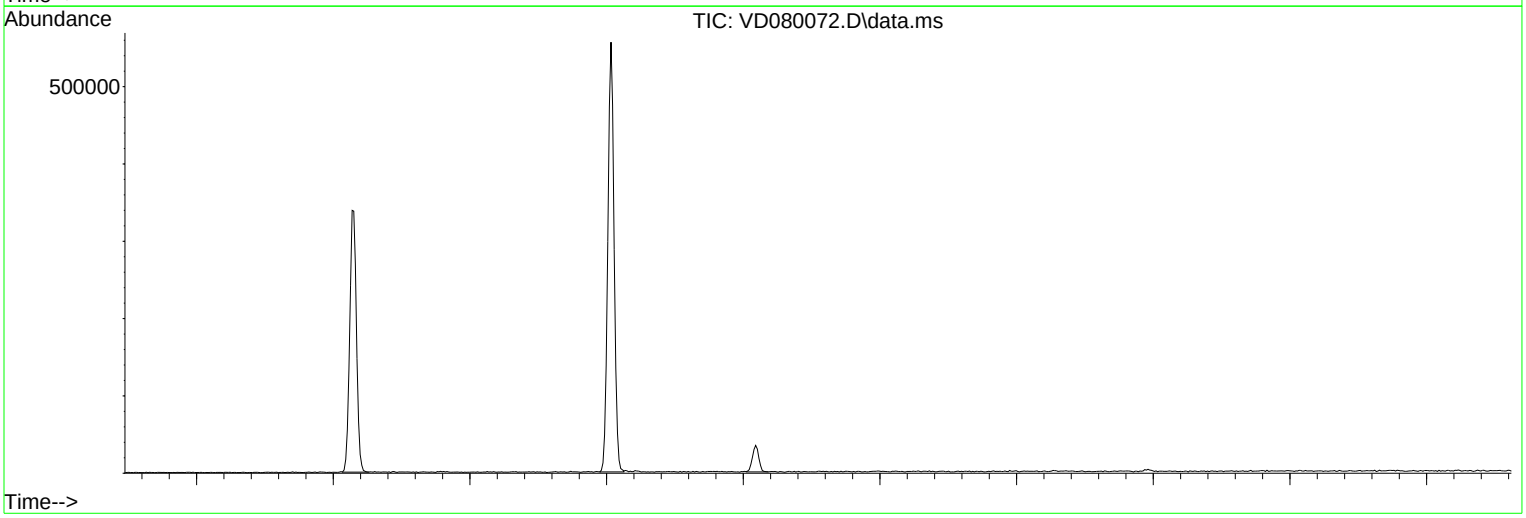
Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080072.D
Acq On : 18 Nov 2024 16:39
Operator : RP/MD
Sample : P4860-01
Misc : 6.22G/5ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080072.D
Acq On : 18 Nov 2024 16:39
Operator : RP/MD
Sample : P4860-01
Misc : 6.22G/5ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080073.D
Acq On : 18 Nov 2024 17:06
Operator : RP/MD
Sample : P4860-02
Misc : 6.44G/5ml/MSVOA_D/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Quant Time: Nov 19 04:49:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

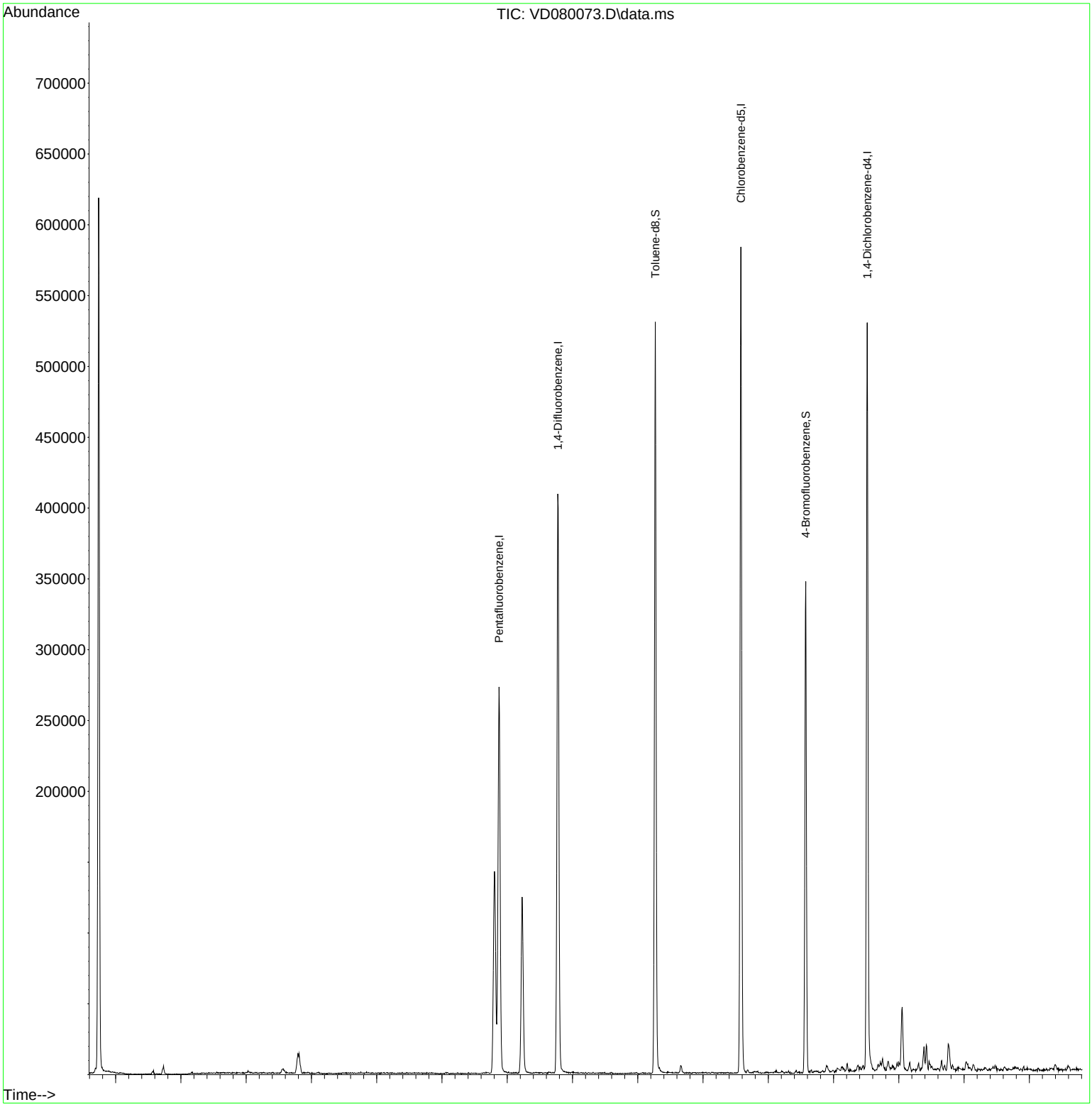
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	219259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	366320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	329102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	146457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	97508	43.193	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.380%		
35) Dibromofluoromethane	7.804	113	102655	42.107	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.220%		
50) Toluene-d8	10.269	98	362809	39.484	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	78.960%		
62) 4-Bromofluorobenzene	12.575	95	107667	35.714	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	71.420%		
Target Compounds						Qvalue
18) Methyl Acetate	4.569	43	5483	5.047	ug/l	98

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

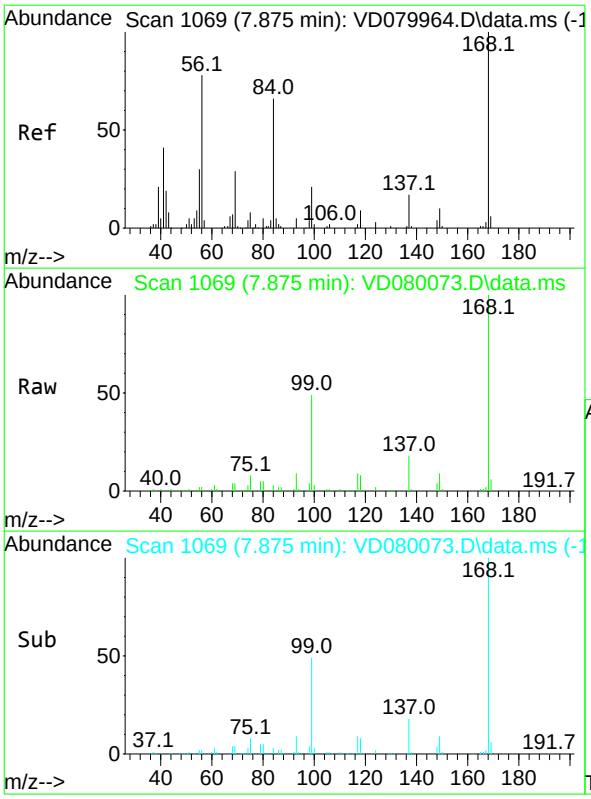
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080073.D
Acq On : 18 Nov 2024 17:06
Operator : RP/MD
Sample : P4860-02
Misc : 6.44G/5ml/MSVOA_D/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Quant Time: Nov 19 04:49:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



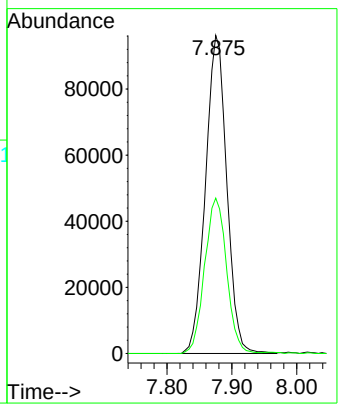
Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

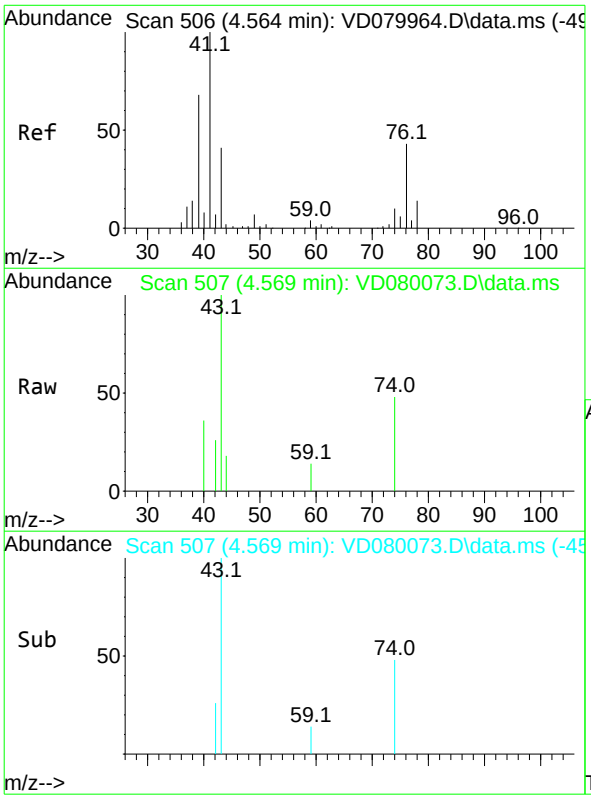


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Tgt Ion:168 Resp: 219259

Ion	Ratio	Lower	Upper
168	100		
99	48.9	46.0	69.0

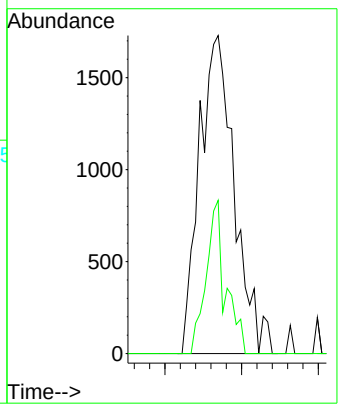


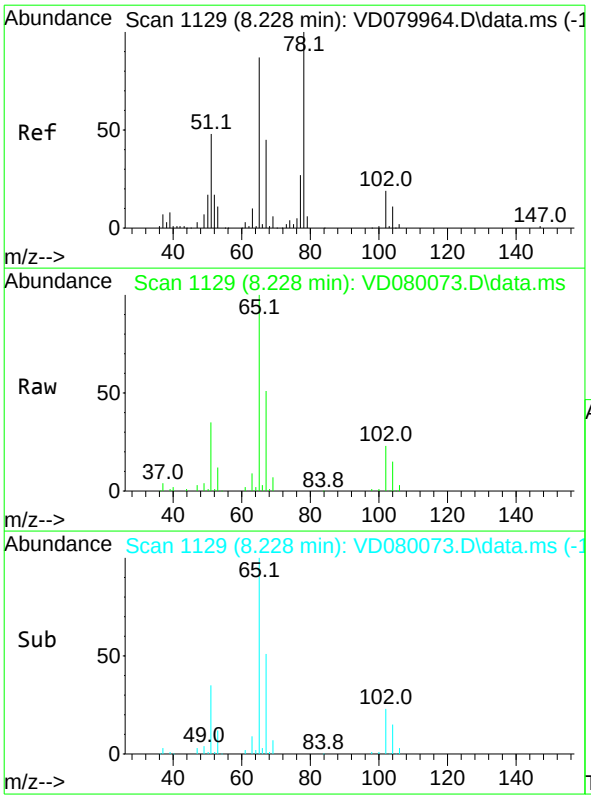


#18
Methyl Acetate
Concen: 5.047 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.005 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Tgt Ion: 43 Resp: 5483

Ion	Ratio	Lower	Upper
43	100		
74	26.4	20.5	30.7



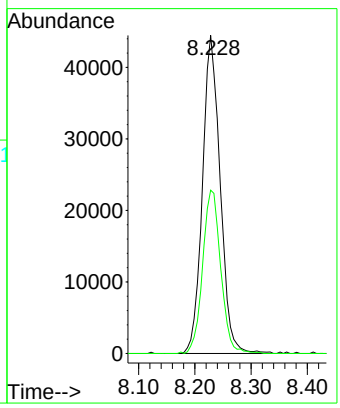


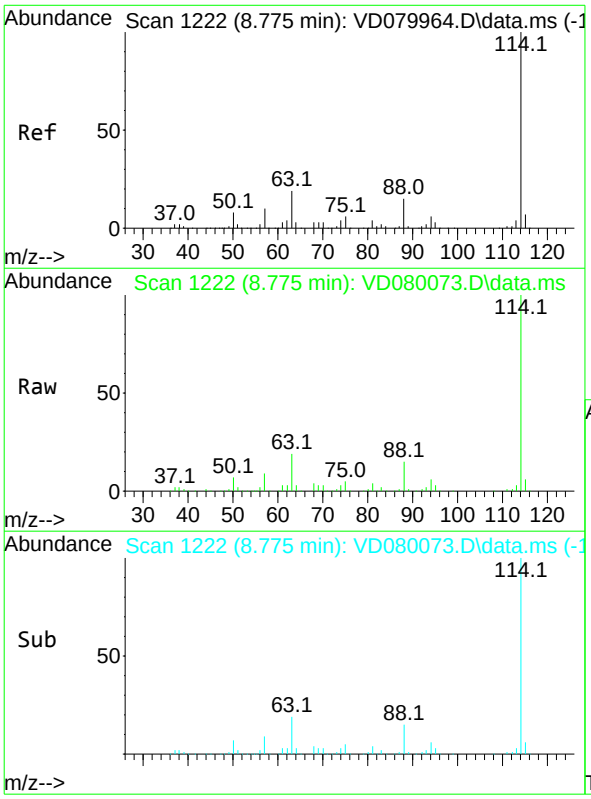
#33
1,2-Dichloroethane-d4
Concen: 43.193 ug/l
RT: 8.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Tgt Ion: 65 Resp: 97508

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	109.2

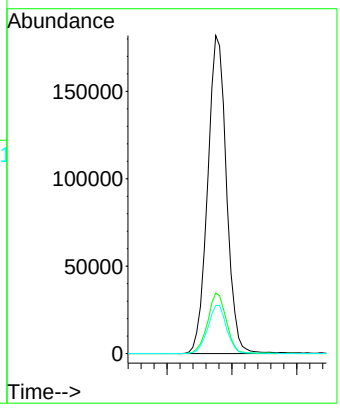


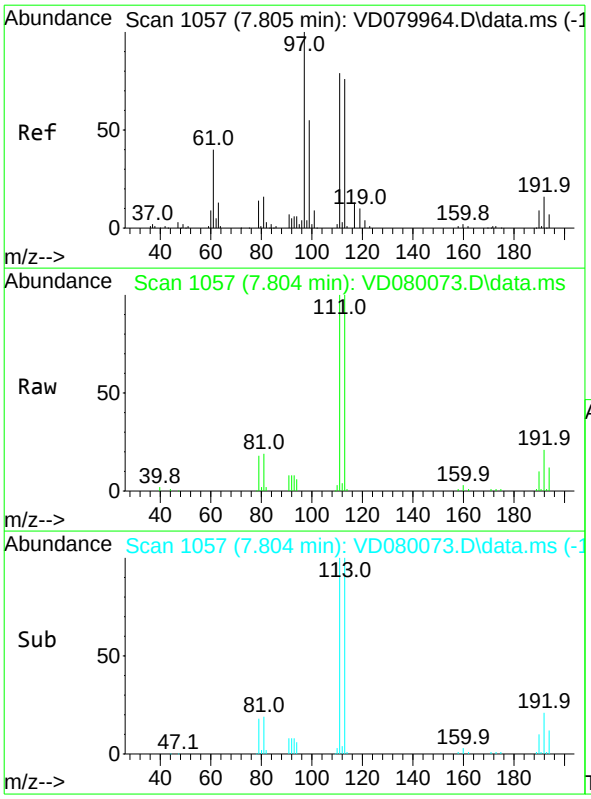


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Tgt Ion:114 Resp: 366320

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.8
88	15.1	0.0	30.6



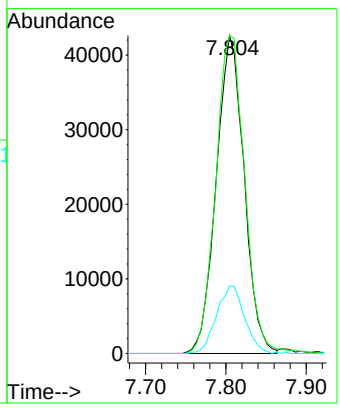


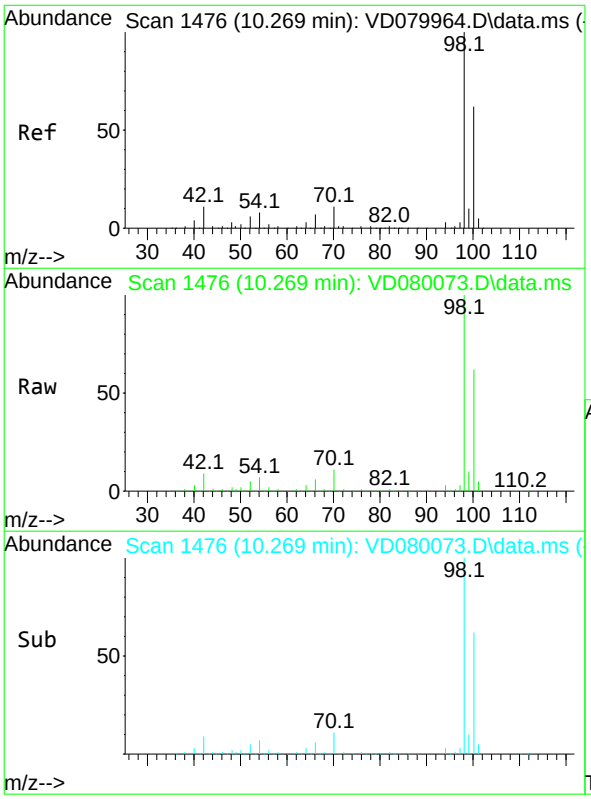
#35
Dibromofluoromethane
Concen: 42.107 ug/l
RT: 7.804 min Scan# 10
Delta R.T. -0.001 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Tgt Ion:113 Resp: 102655

Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.5	123.7
192	21.6	16.6	25.0

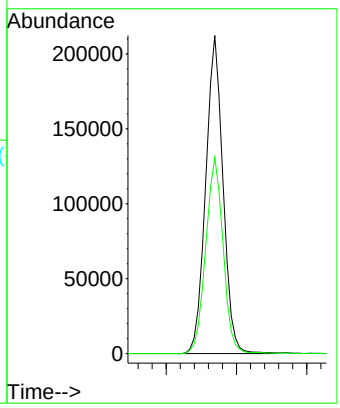


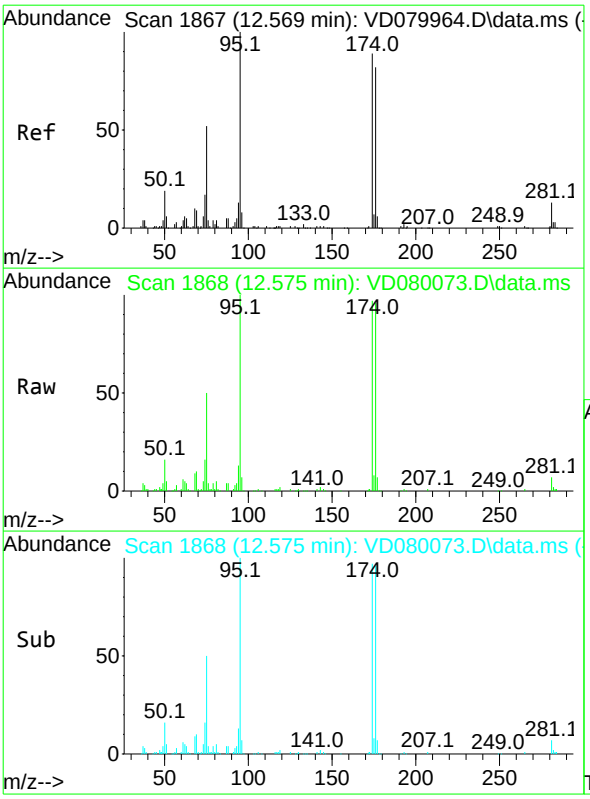


#50
Toluene-d8
Concen: 39.484 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Tgt Ion: 98 Resp: 362809

Ion	Ratio	Lower	Upper
98	100		
100	62.2	50.2	75.4



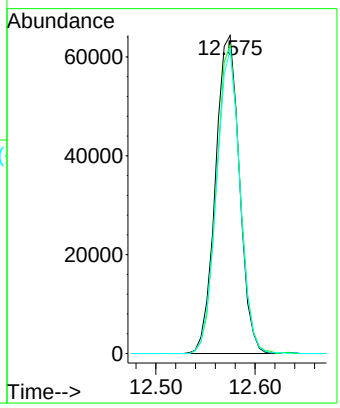


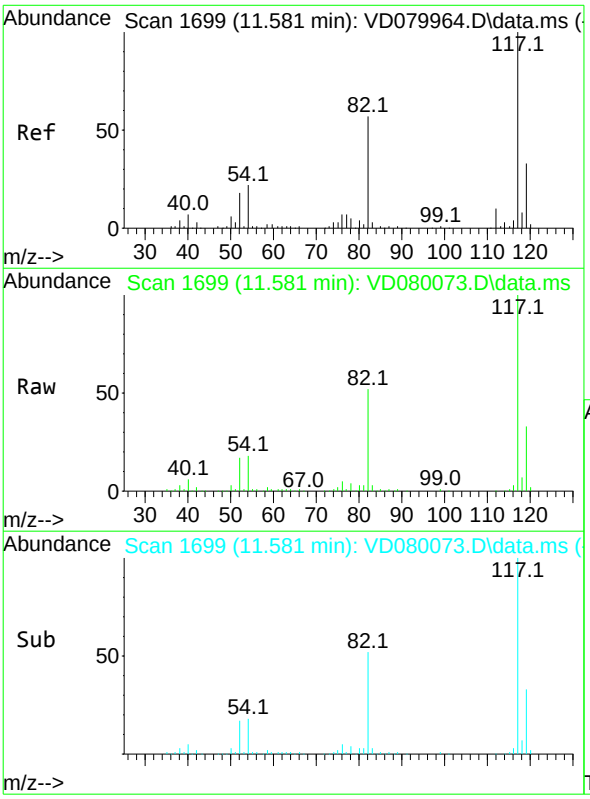
#62
4-Bromofluorobenzene
Concen: 35.714 ug/l
RT: 12.575 min Scan# 18
Delta R.T. 0.006 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Tgt Ion: 95 Resp: 107667

Ion	Ratio	Lower	Upper
95	100		
174	95.6	0.0	173.4
176	93.6	0.0	166.6

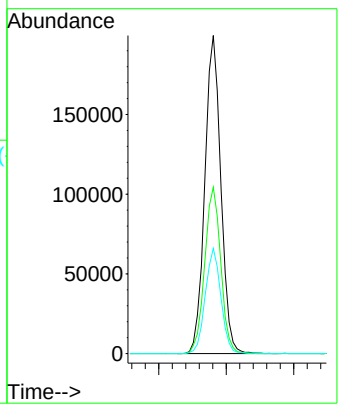


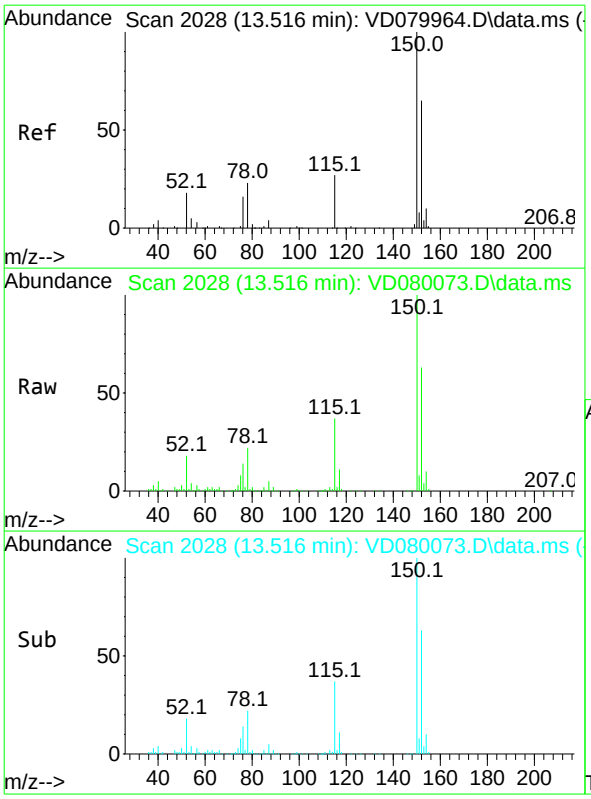


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Tgt Ion:117 Resp: 329102

Ion	Ratio	Lower	Upper
117	100		
82	52.3	45.8	68.6
119	33.1	26.2	39.2



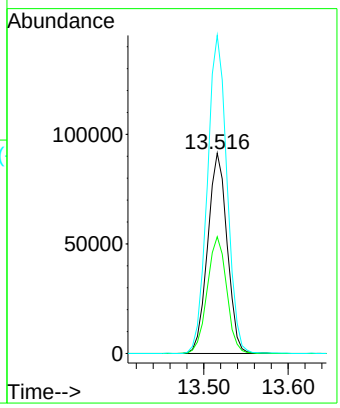


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Tgt Ion:152 Resp: 146457

Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.9	86.8
150	160.2	0.0	354.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080073.D
Acq On : 18 Nov 2024 17:06
Operator : RP/MD
Sample : P4860-02
Misc : 6.44G/5ml/MSVOA_D/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080073.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	19	26	38	rVB	616296	949902	97.74%	14.267%
2	4.793	537	545	547	rBV3	13832	26646	2.74%	0.400%
3	7.804	1047	1057	1063	rBV2	142493	352766	36.30%	5.298%
4	7.875	1063	1069	1083	rVB	272035	614537	63.23%	9.230%
5	8.228	1121	1129	1142	rBV	124054	271735	27.96%	4.081%
6	8.775	1213	1222	1238	rBV	408888	834639	85.88%	12.536%
7	10.269	1468	1476	1486	rBV	530045	920345	94.70%	13.823%
8	10.657	1534	1542	1547	rBV2	5372	9965	1.03%	0.150%
9	11.581	1690	1699	1713	rVB	583151	971889	100.00%	14.597%
10	12.575	1859	1868	1876	rBV	347208	574144	59.08%	8.623%
11	12.892	1916	1922	1931	rBV10	4688	10941	1.13%	0.164%
12	13.516	2021	2028	2045	rVB	527365	886240	91.19%	13.311%
13	13.751	2065	2068	2074	rVB5	7753	11254	1.16%	0.169%
14	13.834	2078	2082	2088	rBV6	6546	12733	1.31%	0.191%
15	14.051	2113	2119	2125	rVB2	43356	81111	8.35%	1.218%
16	14.169	2133	2139	2143	rVB6	6541	10613	1.09%	0.159%
17	14.387	2166	2176	2179	rBV2	17219	30294	3.12%	0.455%
18	14.422	2179	2182	2187	rVB2	17428	24364	2.51%	0.366%
19	14.657	2217	2222	2226	rBV5	7319	11037	1.14%	0.166%
20	14.757	2234	2239	2248	rBV3	18881	42508	4.37%	0.638%
21	15.034	2282	2286	2289	rBV5	5653	10268	1.06%	0.154%

Sum of corrected areas: 6657931

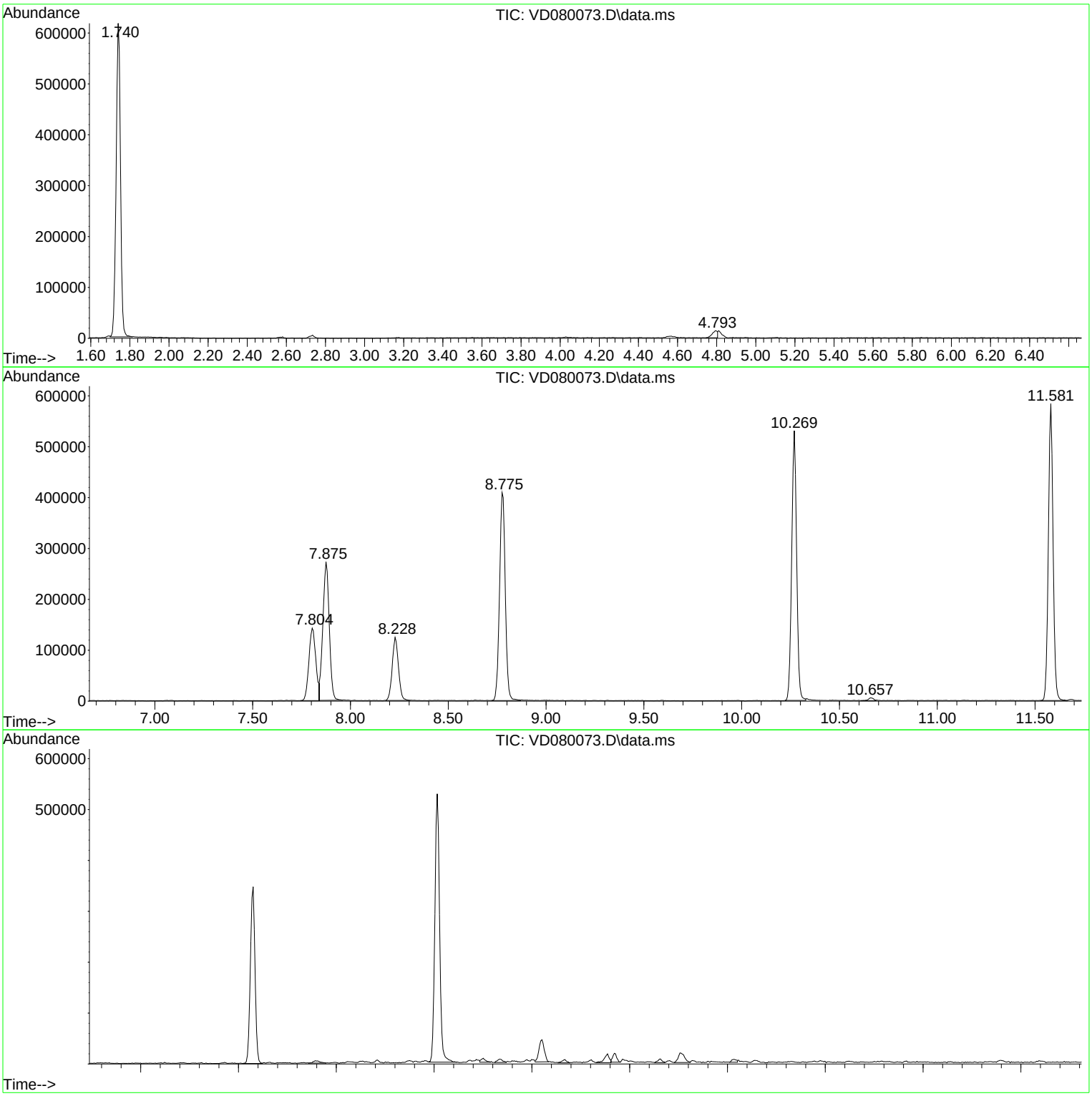
Sample Results: **VD080073.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080073.D
Acq On : 18 Nov 2024 17:06
Operator : RP/MD
Sample : P4860-02
Misc : 6.44G/5ml/MSVOA_D/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080073.D
Acq On : 18 Nov 2024 17:06
Operator : RP/MD
Sample : P4860-02
Misc : 6.44G/5ml/MSVOA_D/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080073.D
Acq On : 18 Nov 2024 17:06
Operator : RP/MD
Sample : P4860-02
Misc : 6.44G/5ml/MSVOA_D/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020368.D
Acq On : 20 Nov 2024 18:35
Operator : SY/MD
Sample : P4860-03
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Quant Time: Nov 21 04:41:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

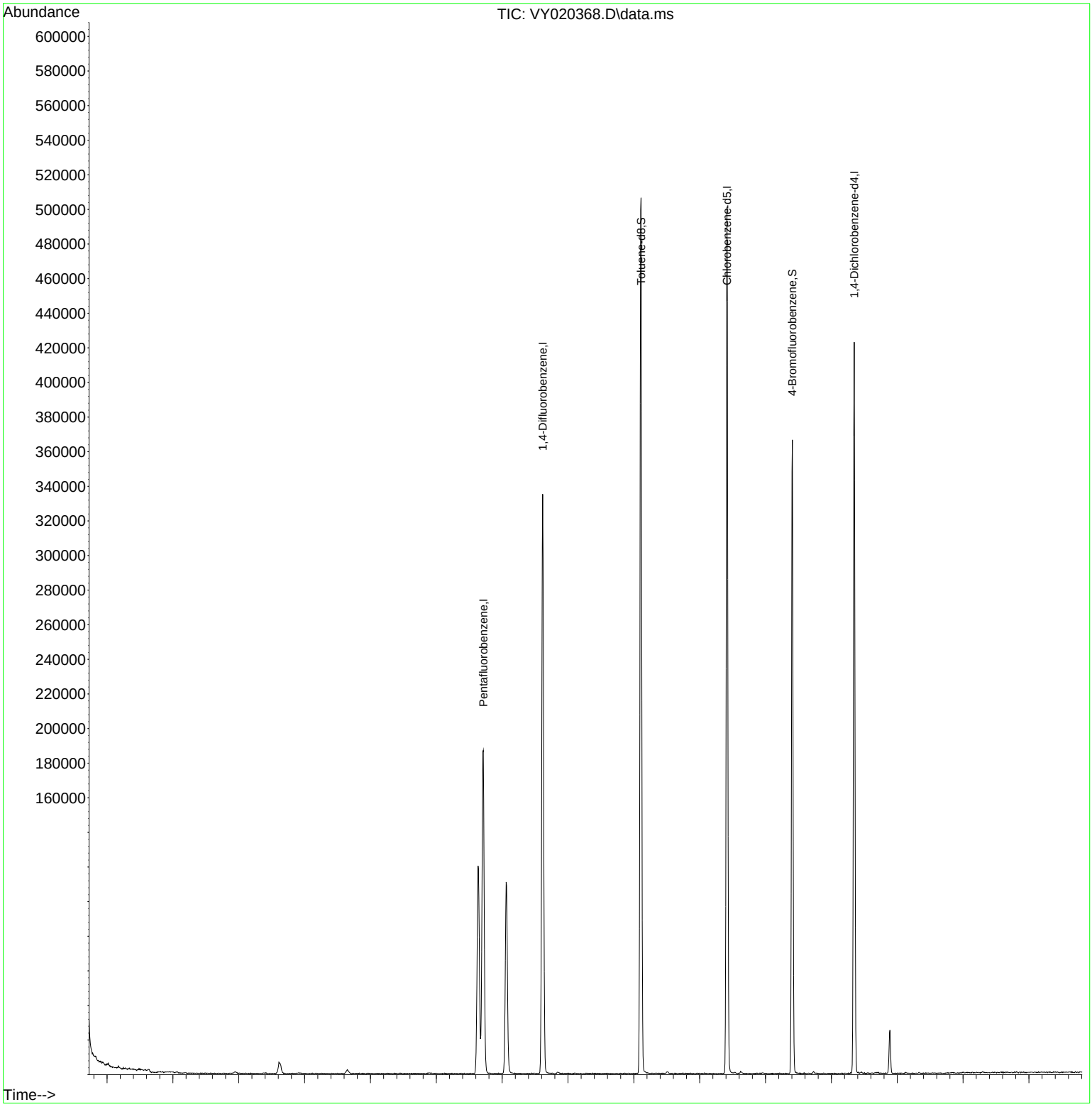
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	137679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	269671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	257307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	102362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	92673	58.588	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.180%			
35) Dibromofluoromethane	7.634	113	86578	50.068	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.140%			
50) Toluene-d8	10.109	98	333450	48.952	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.900%			
62) 4-Bromofluorobenzene	12.408	95	113373	51.775	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 103.540%			
Target Compounds						Qvalue

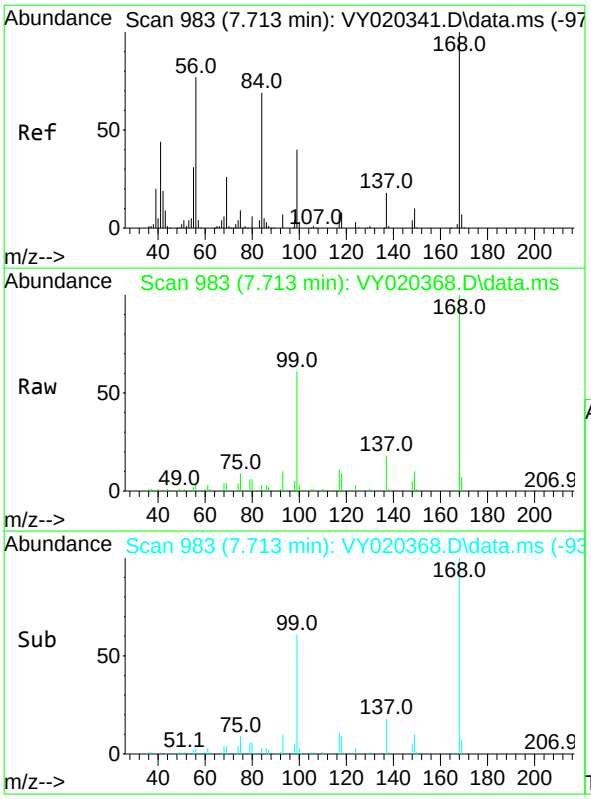
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020368.D
Acq On : 20 Nov 2024 18:35
Operator : SY/MD
Sample : P4860-03
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Quant Time: Nov 21 04:41:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



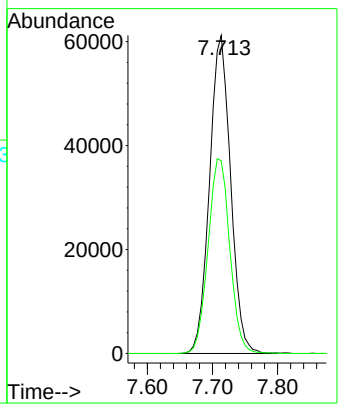


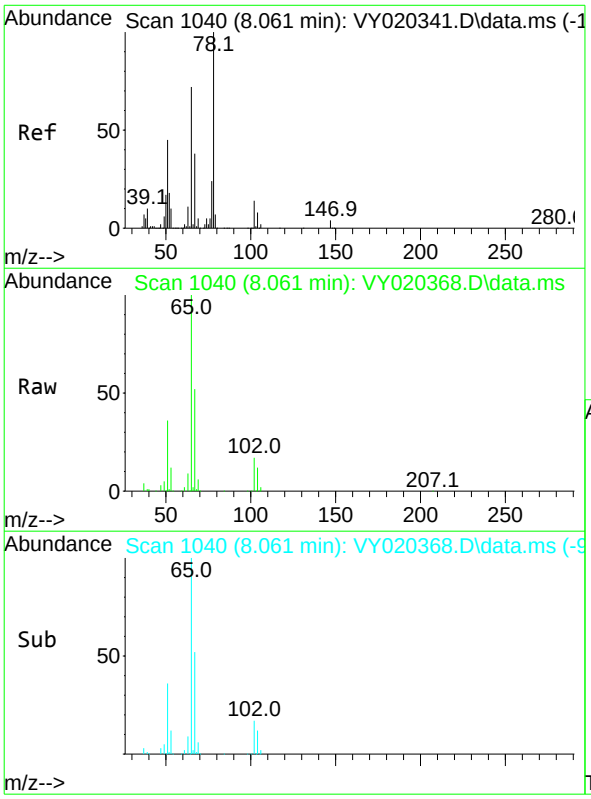
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Tgt Ion:168 Resp: 137679

Ion	Ratio	Lower	Upper
168	100		
99	60.6	46.6	69.8

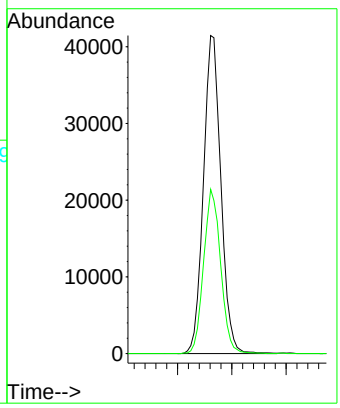


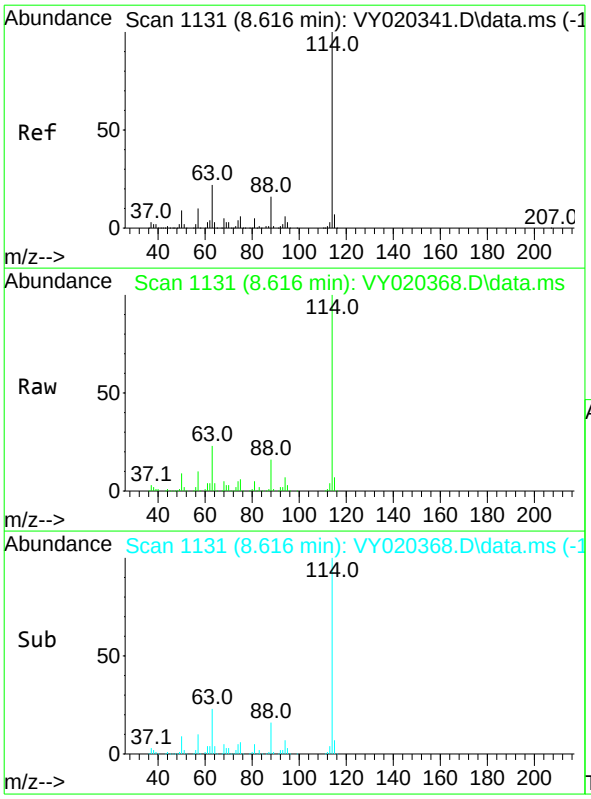


#33
1,2-Dichloroethane-d4
Concen: 58.588 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Tgt Ion: 65 Resp: 92673

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	105.8



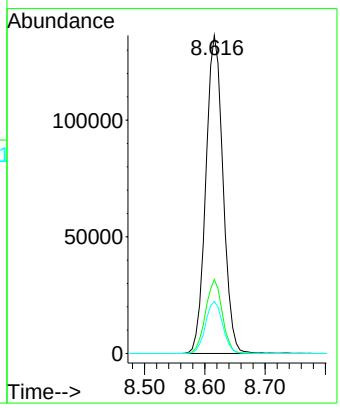


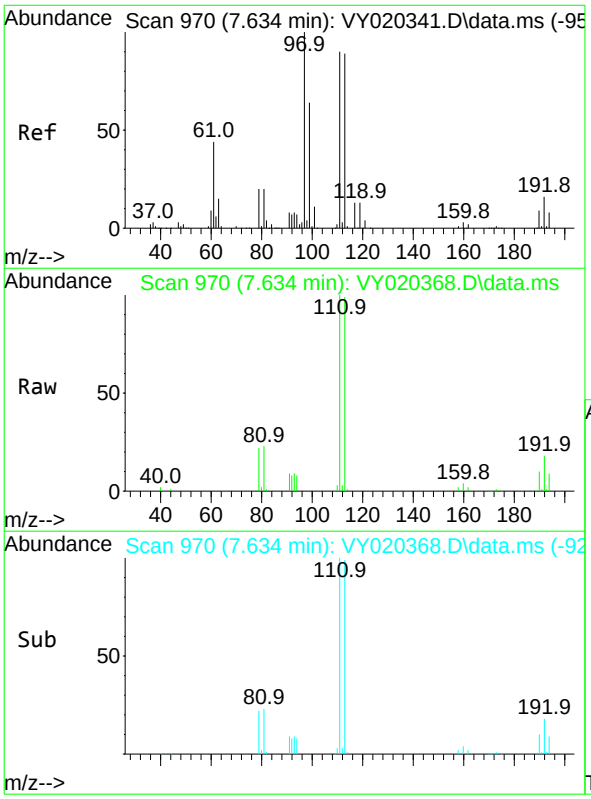
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Tgt Ion:114 Resp: 269671

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	44.8
88	16.4	0.0	32.0

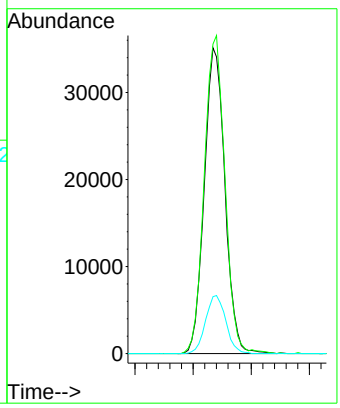


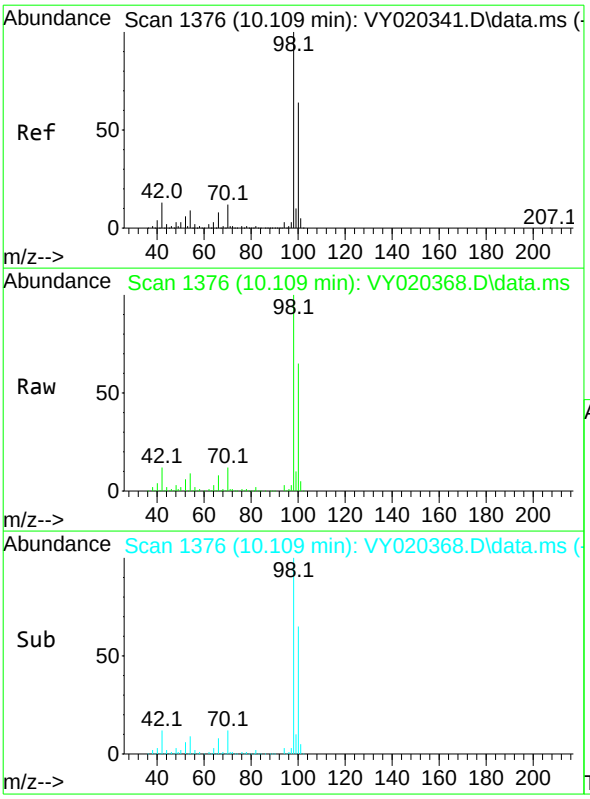


#35
Dibromofluoromethane
Concen: 50.068 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Tgt Ion:113 Resp: 86578

Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.4	122.0
192	18.7	15.1	22.7



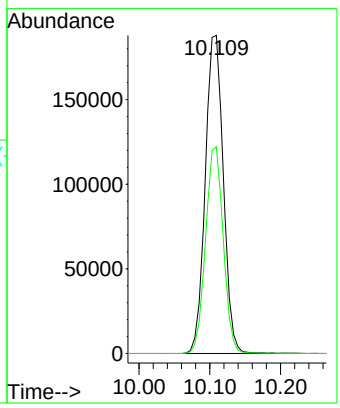


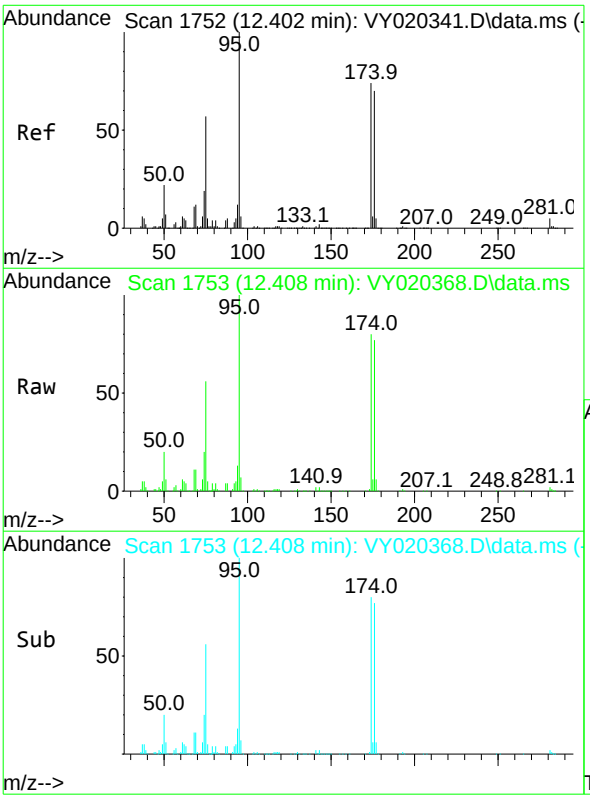
#50
Toluene-d8
Concen: 48.952 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Tgt Ion: 98 Resp: 333450

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9

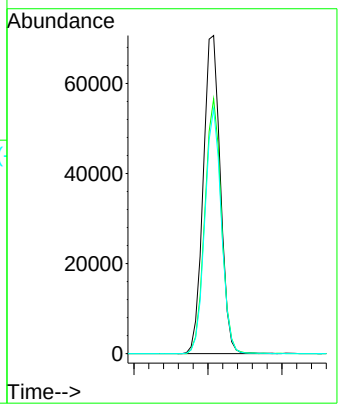


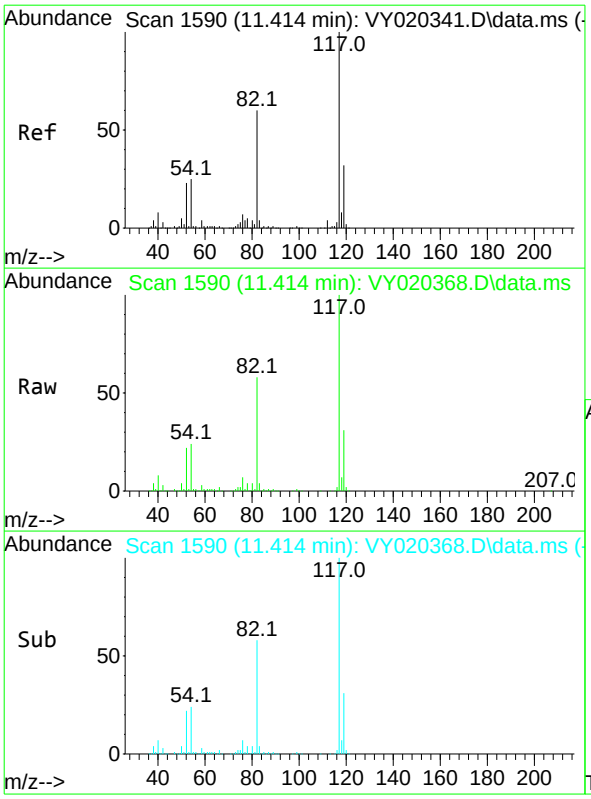


#62
4-Bromofluorobenzene
Concen: 51.775 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Tgt Ion: 95 Resp: 113373

Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	156.8
176	73.9	0.0	152.0



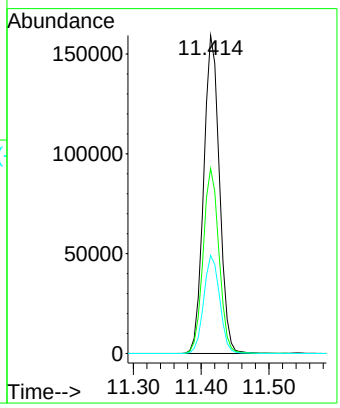


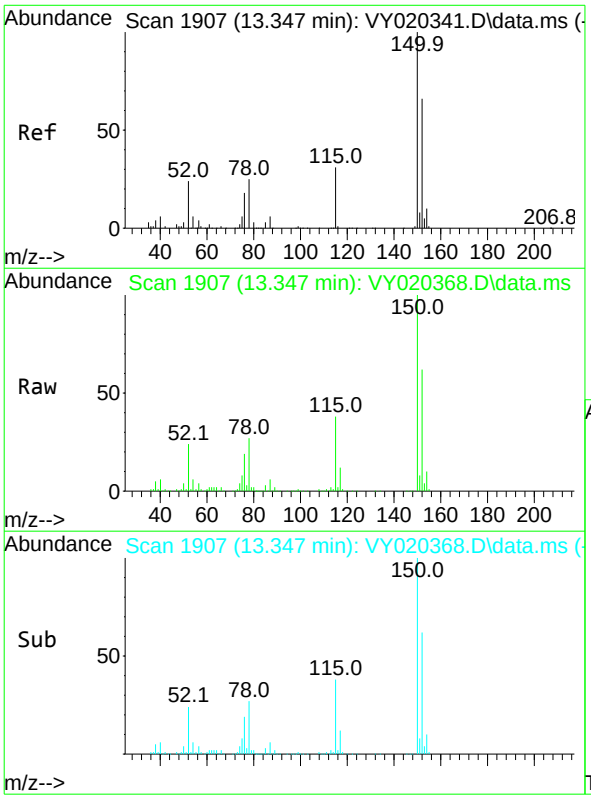
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Tgt Ion:117 Resp: 257307

Ion	Ratio	Lower	Upper
117	100		
82	58.2	48.2	72.4
119	30.8	25.8	38.8

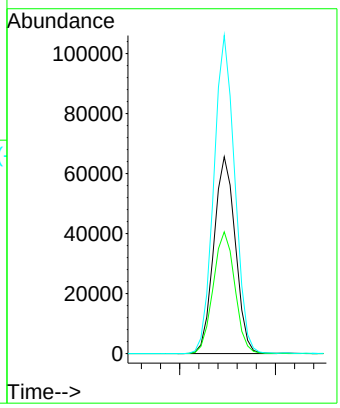




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Tgt Ion:152 Resp: 102362

Ion	Ratio	Lower	Upper
152	100		
115	62.3	30.0	90.0
150	157.7	0.0	348.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020368.D
Acq On : 20 Nov 2024 18:35
Operator : SY/MD
Sample : P4860-03
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020368.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	466	474	486	rBV3	6691	20495	2.29%	0.441%
2	7.634	961	970	976	rBV	120170	293680	32.75%	6.320%
3	7.713	976	983	995	rVB	186683	435313	48.54%	9.369%
4	8.061	1029	1040	1052	rBV	110715	247930	27.64%	5.336%
5	8.616	1121	1131	1143	rBV	334886	658606	73.43%	14.174%
6	10.109	1367	1376	1385	rBV	506047	896859	100.00%	19.302%
7	11.414	1582	1590	1604	rBV	500682	813729	90.73%	17.513%
8	12.408	1746	1753	1761	rBV	366039	582648	64.97%	12.540%
9	13.347	1899	1907	1916	rBV	422516	657084	73.27%	14.142%
10	13.889	1987	1996	2003	rBV2	25020	40146	4.48%	0.864%

Sum of corrected areas: 4646490

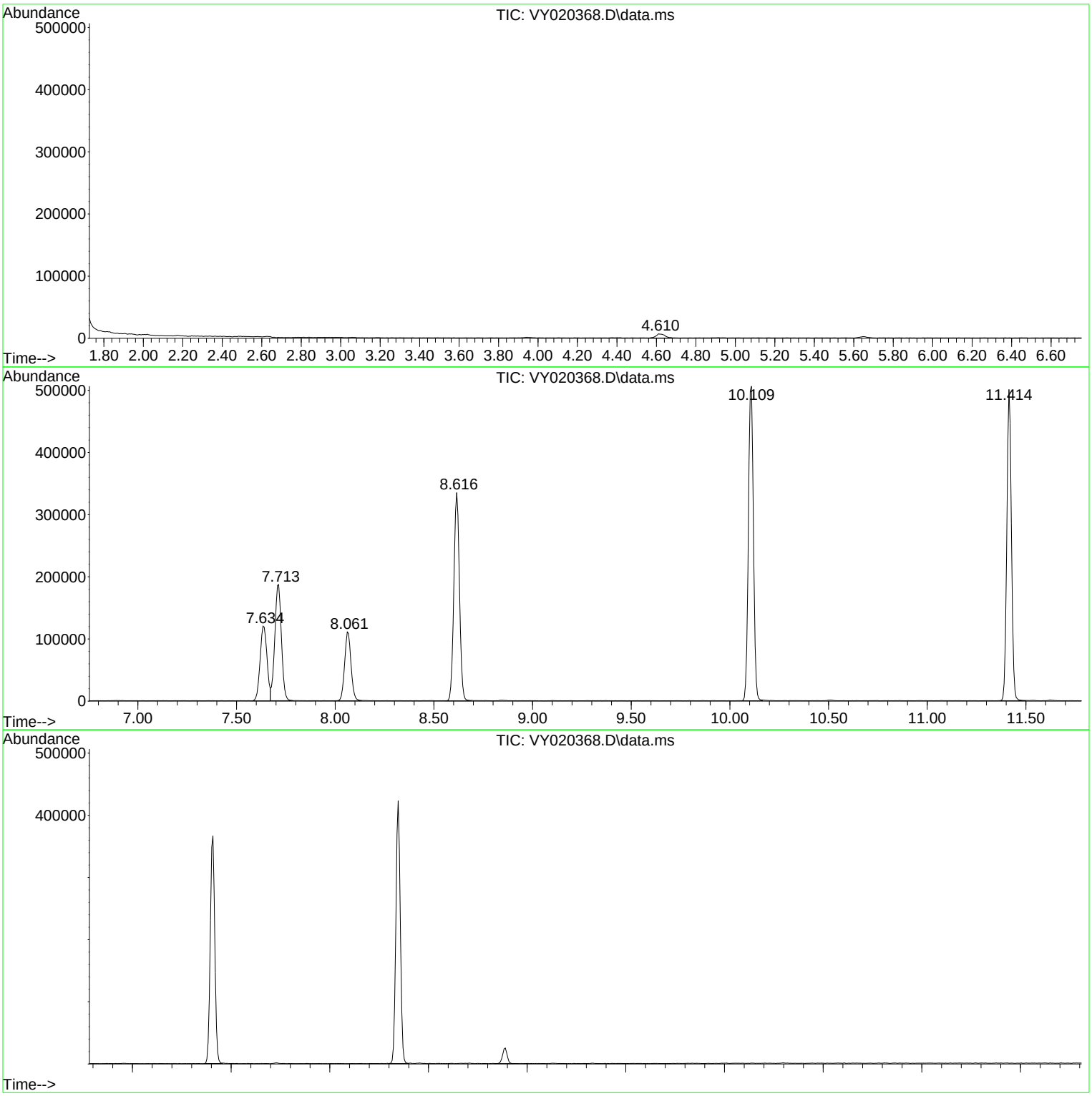
Sample Results: **VY020368.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020368.D
Acq On : 20 Nov 2024 18:35
Operator : SY/MD
Sample : P4860-03
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020368.D
Acq On : 20 Nov 2024 18:35
Operator : SY/MD
Sample : P4860-03
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020368.D
Acq On : 20 Nov 2024 18:35
Operator : SY/MD
Sample : P4860-03
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080075.D
Acq On : 18 Nov 2024 18:00
Operator : RP/MD
Sample : P4860-04
Misc : 6.28G/5ml/MSVOA_D/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Quant Time: Nov 19 04:50:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

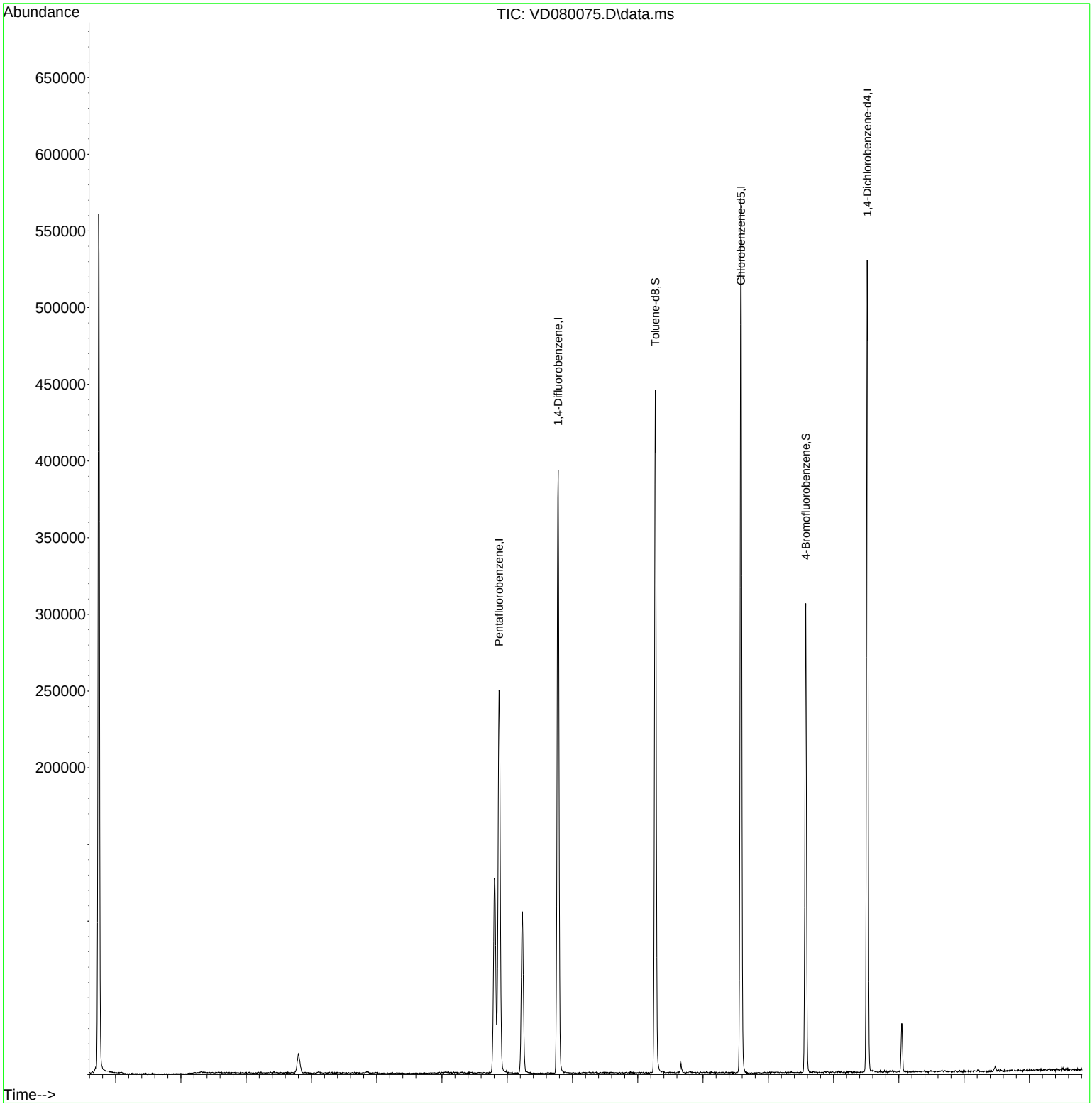
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	207332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	367976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	326426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	150989	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	84545	39.605	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 79.220%			
35) Dibromofluoromethane	7.804	113	94139	38.440	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 76.880%			
50) Toluene-d8	10.269	98	314551	34.078	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 68.160%			
62) 4-Bromofluorobenzene	12.575	95	92979	30.703	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 61.400%			
Target Compounds						Qvalue

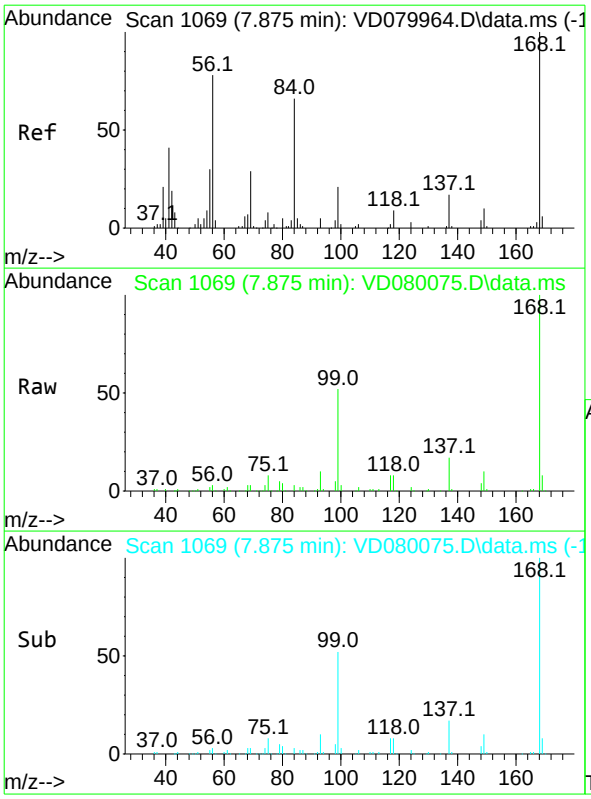
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080075.D
Acq On : 18 Nov 2024 18:00
Operator : RP/MD
Sample : P4860-04
Misc : 6.28G/5ml/MSVOA_D/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Quant Time: Nov 19 04:50:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



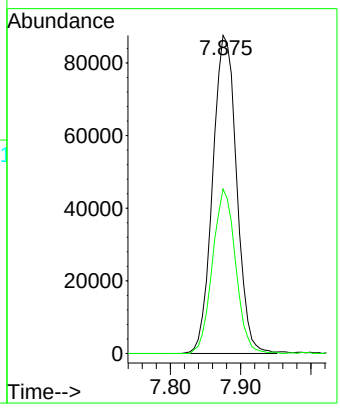


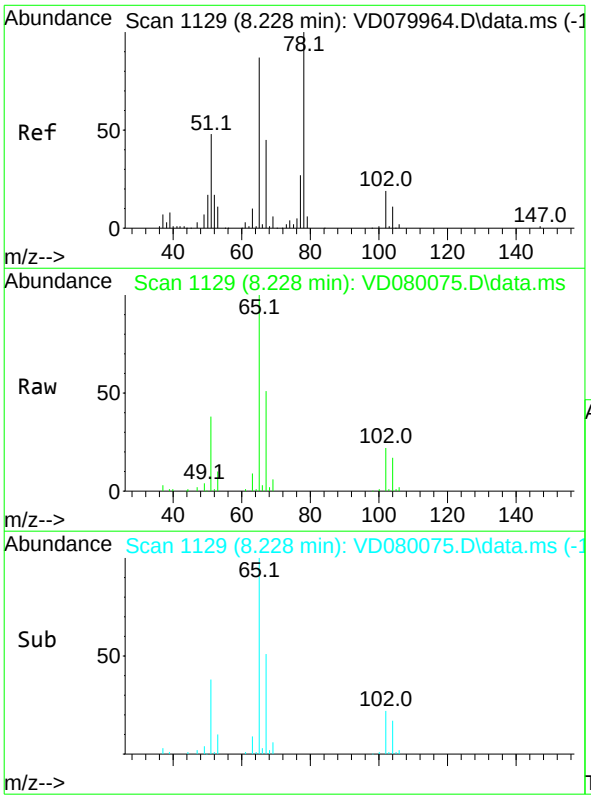
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Tgt Ion:168 Resp: 207332

Ion	Ratio	Lower	Upper
168	100		
99	51.7	46.0	69.0

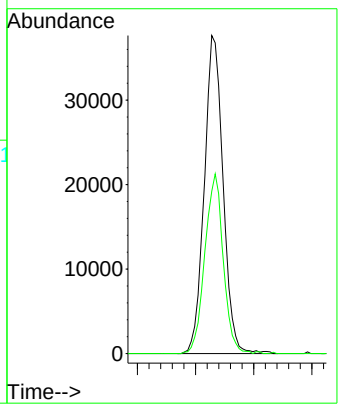


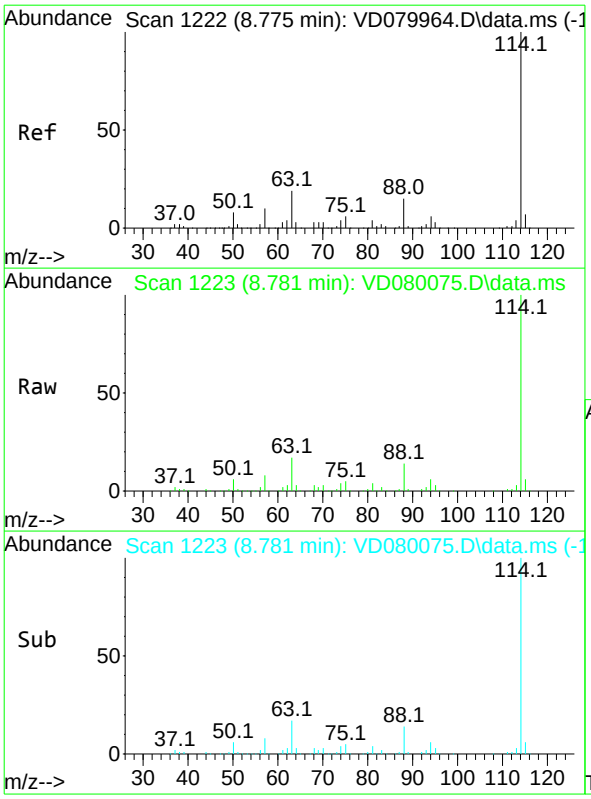


#33
1,2-Dichloroethane-d4
Concen: 39.605 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Tgt Ion: 65 Resp: 84545

Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	109.2



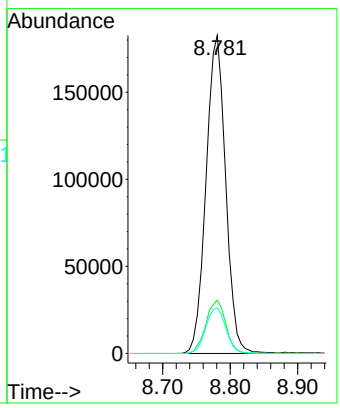


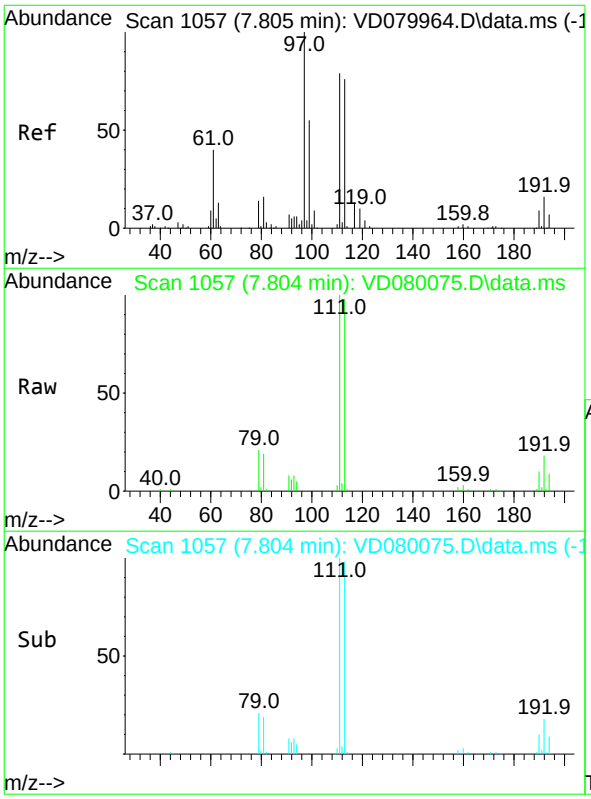
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Tgt Ion:114 Resp: 367976

Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	38.8
88	14.3	0.0	30.6

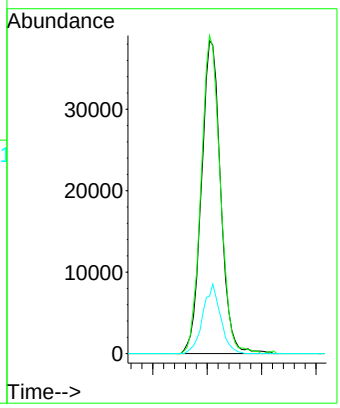




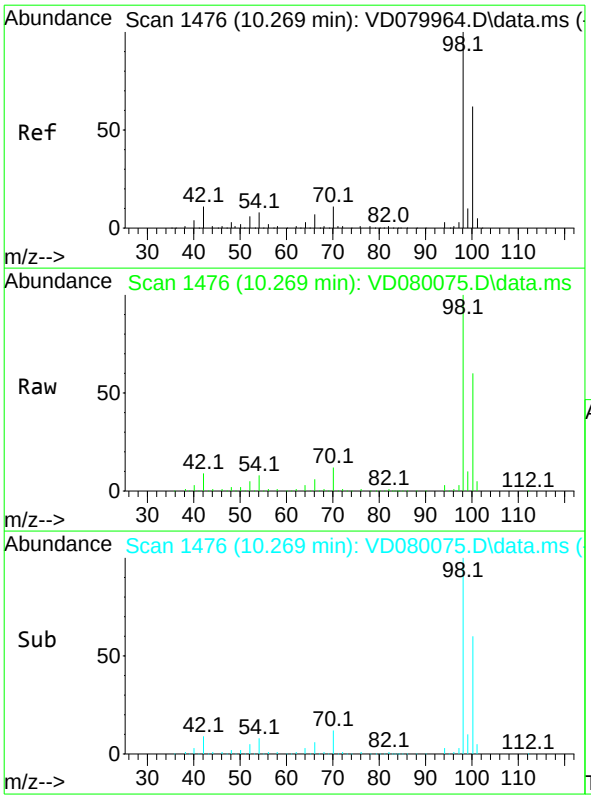
#35
Dibromofluoromethane
Concen: 38.440 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Tgt Ion:113 Resp: 94139

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.5	123.7
192	20.5	16.6	25.0



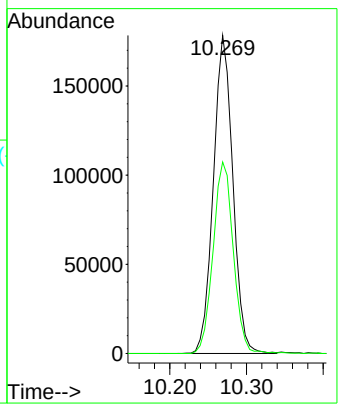
Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

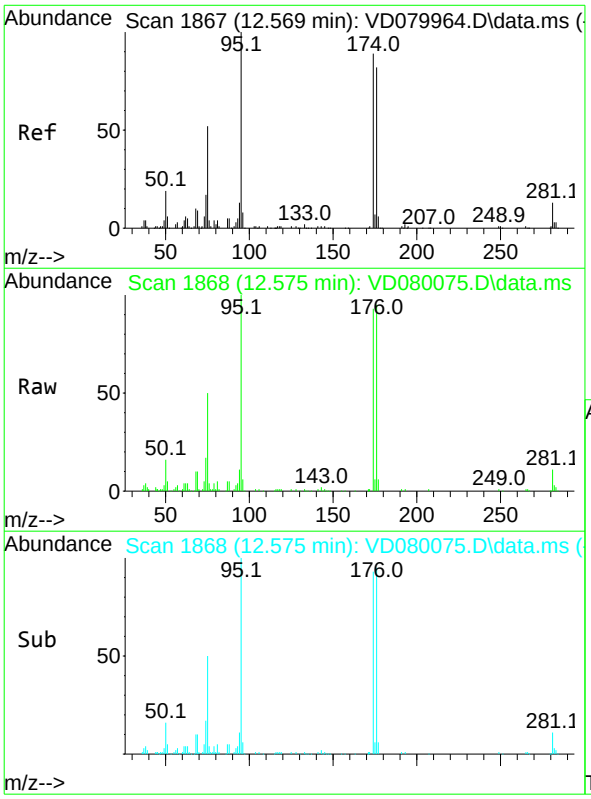


#50
Toluene-d8
Concen: 34.078 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Tgt Ion: 98 Resp: 314551

Ion	Ratio	Lower	Upper
98	100		
100	62.5	50.2	75.4

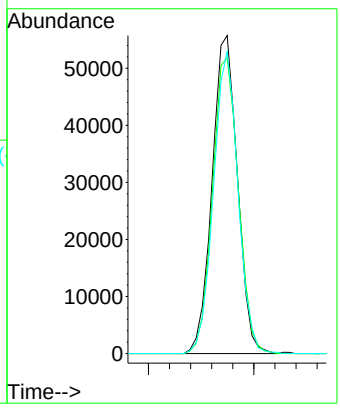


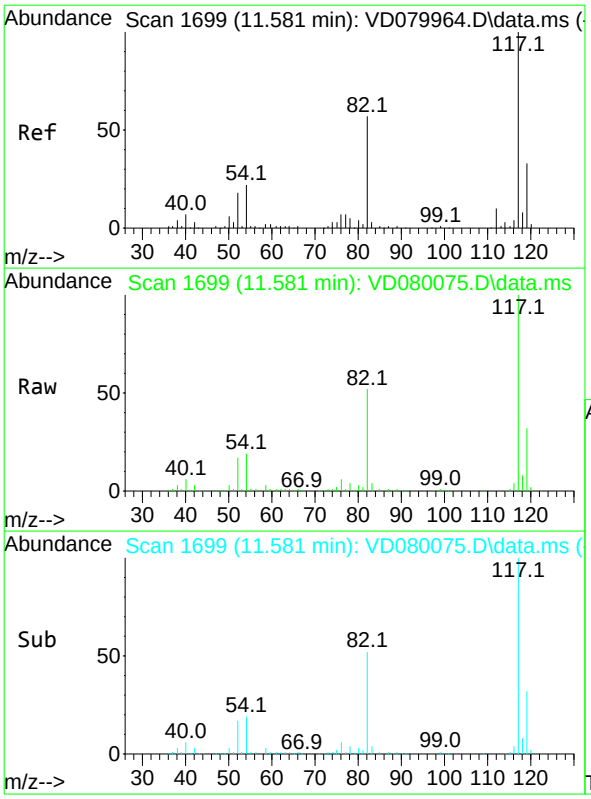


#62
4-Bromofluorobenzene
Concen: 30.703 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Tgt Ion: 95 Resp: 92979

Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	173.4
176	91.9	0.0	166.6



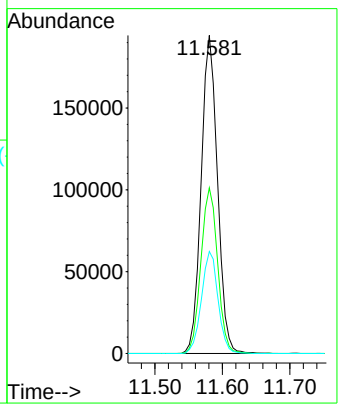


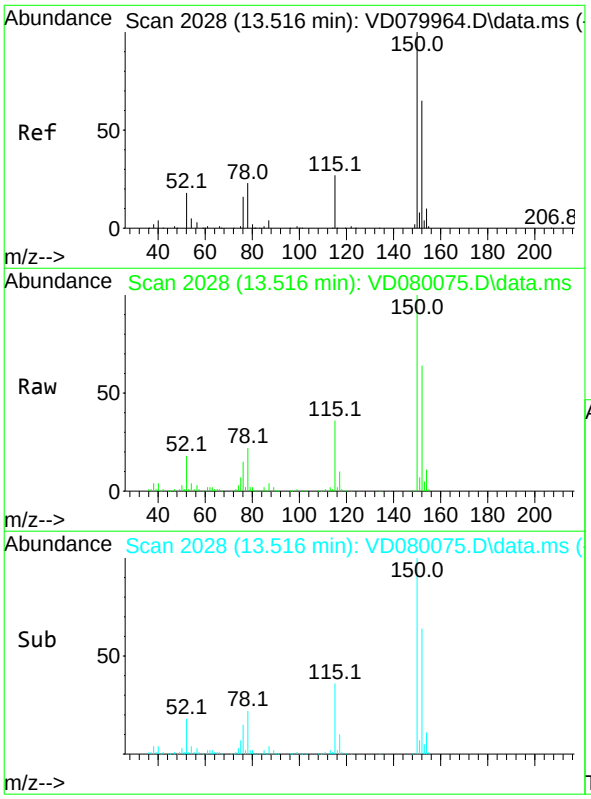
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 16
Delta R.T. -0.000 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Tgt Ion:117 Resp: 326426

Ion	Ratio	Lower	Upper
117	100		
82	52.1	45.8	68.6
119	32.1	26.2	39.2

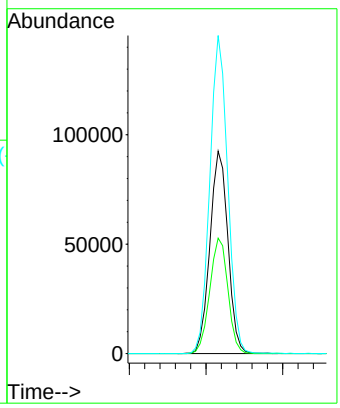




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Tgt Ion:152 Resp: 150989

Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.9	86.8
150	155.6	0.0	354.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080075.D
Acq On : 18 Nov 2024 18:00
Operator : RP/MD
Sample : P4860-04
Misc : 6.28G/5ml/MSVOA_D/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080075.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	19	26	45	rVB	559274	880011	91.71%	14.520%
2	4.805	537	547	560	rBV2	13008	39434	4.11%	0.651%
3	7.804	1047	1057	1063	rBV2	127236	313111	32.63%	5.166%
4	7.875	1063	1069	1084	rVB	249031	588907	61.37%	9.717%
5	8.234	1119	1130	1140	rBV2	104842	240801	25.10%	3.973%
6	8.781	1214	1223	1236	rBV	393387	800537	83.43%	13.209%
7	10.269	1468	1476	1493	rBV	444924	806645	84.07%	13.310%
8	11.581	1689	1699	1710	rBV	570480	959546	100.00%	15.833%
9	12.575	1858	1868	1880	rBV	305845	514075	53.57%	8.482%
10	13.516	2019	2028	2037	rBV	529550	868602	90.52%	14.332%
11	14.045	2112	2118	2124	rBV2	31710	48920	5.10%	0.807%

Sum of corrected areas: 6060589

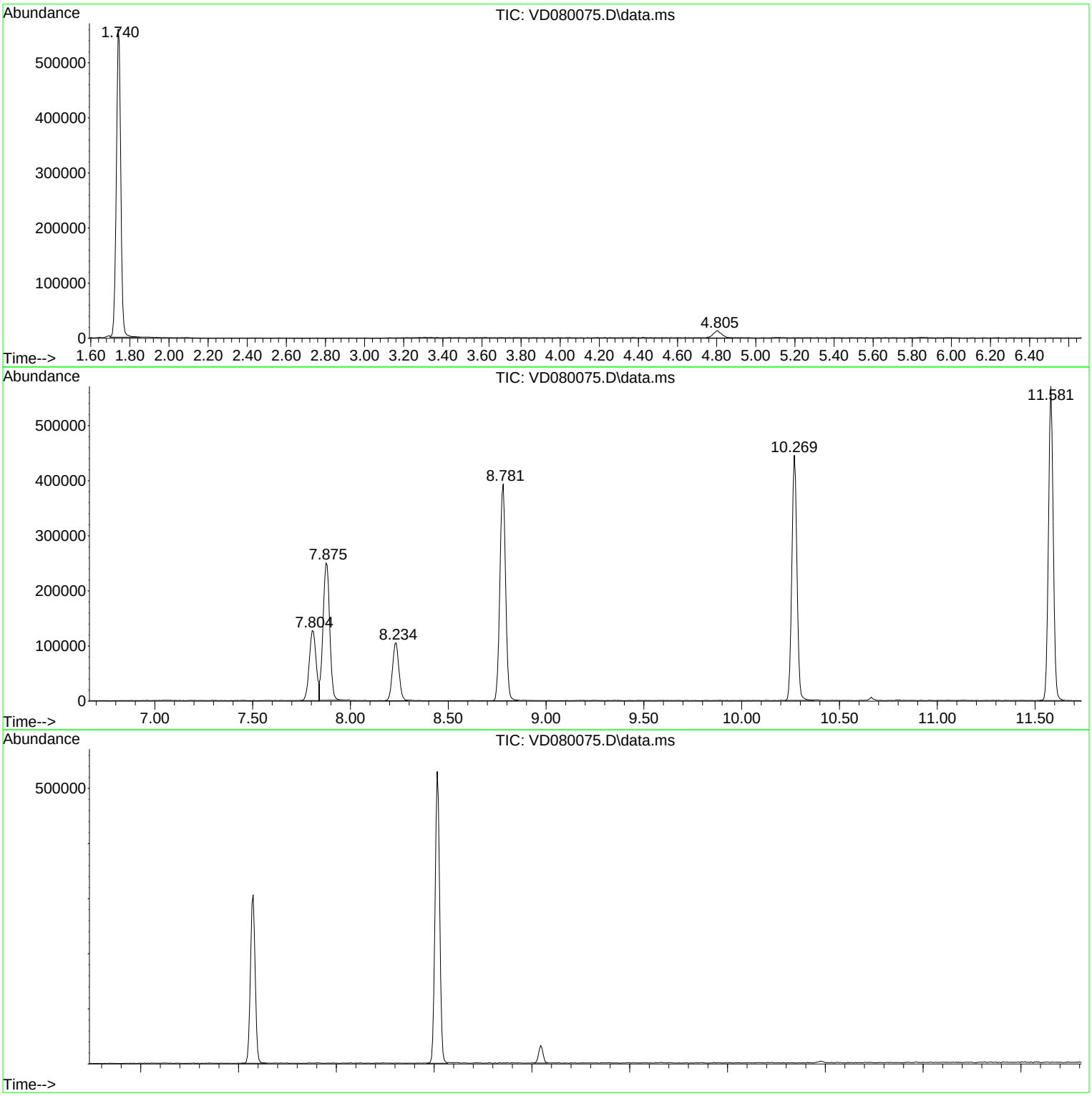
Sample Results: **VD080075.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080075.D
Acq On : 18 Nov 2024 18:00
Operator : RP/MD
Sample : P4860-04
Misc : 6.28G/5ml/MSVOA_D/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080075.D
Acq On : 18 Nov 2024 18:00
Operator : RP/MD
Sample : P4860-04
Misc : 6.28G/5ml/MSVOA_D/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080075.D
Acq On : 18 Nov 2024 18:00
Operator : RP/MD
Sample : P4860-04
Misc : 6.28G/5ml/MSVOA_D/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080076.D
Acq On : 18 Nov 2024 18:28
Operator : RP/MD
Sample : P4860-05
Misc : 6.25G/5ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Quant Time: Nov 19 04:50:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

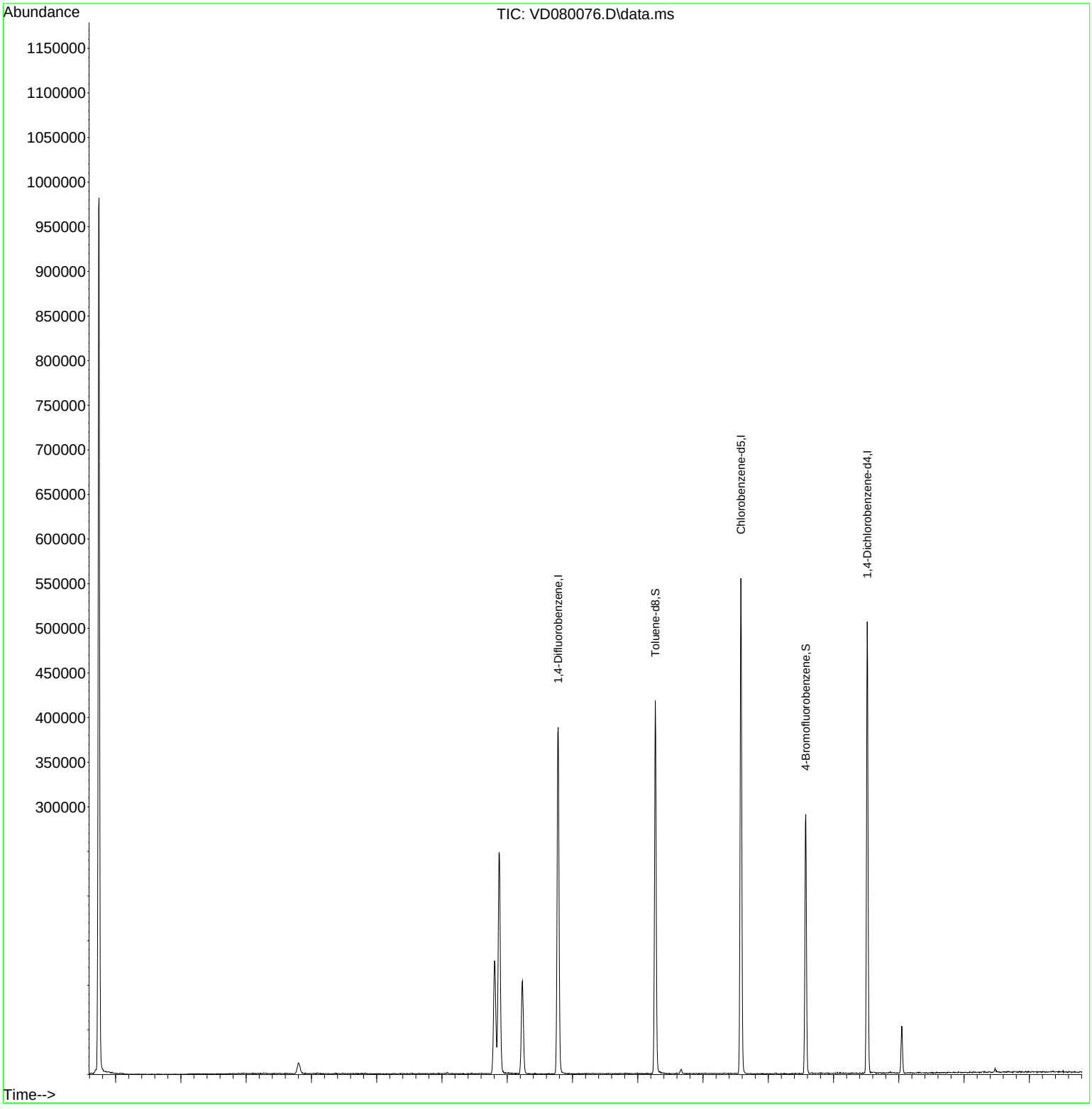
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	200921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.780	114	364222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	324341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	143861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.233	65	84226	40.715	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.420%		
35) Dibromofluoromethane	7.810	113	91562	37.773	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	75.540%		
50) Toluene-d8	10.269	98	290784	31.828	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	63.660%		
62) 4-Bromofluorobenzene	12.574	95	91664	30.581	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	61.160%		
Target Compounds						Qvalue

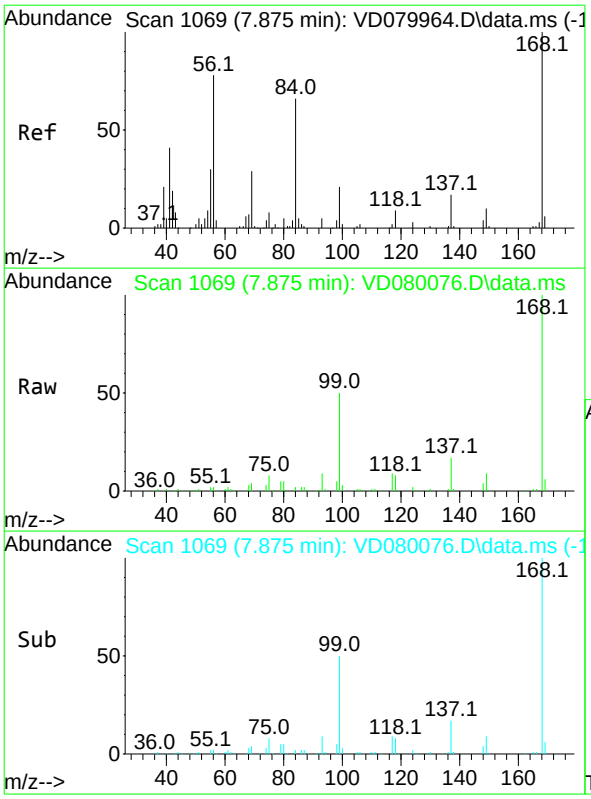
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080076.D
Acq On : 18 Nov 2024 18:28
Operator : RP/MD
Sample : P4860-05
Misc : 6.25G/5ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Quant Time: Nov 19 04:50:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



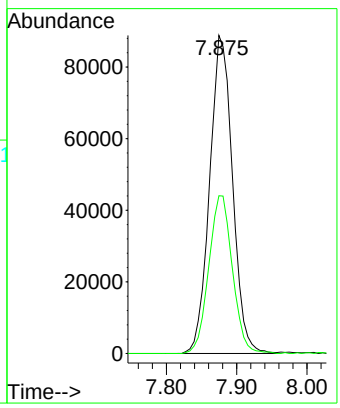


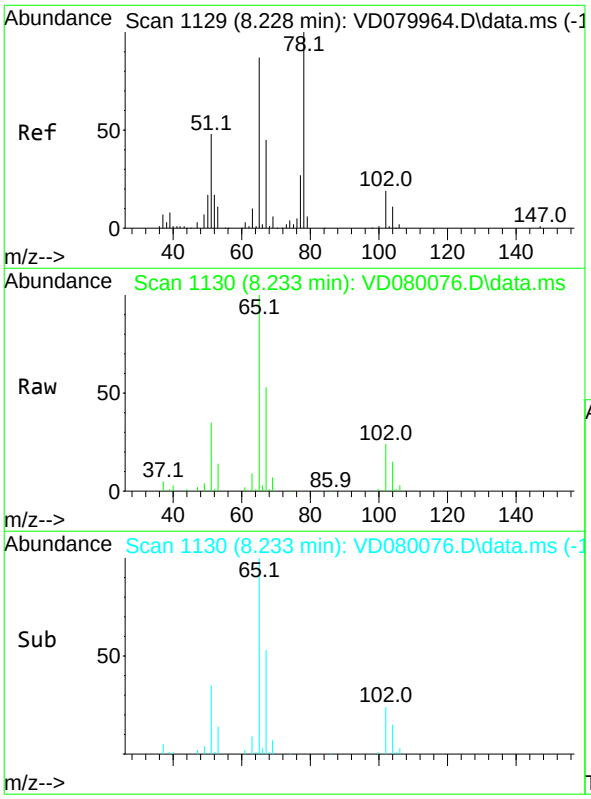
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Tgt Ion:168 Resp: 200921

Ion	Ratio	Lower	Upper
168	100		
99	49.6	46.0	69.0

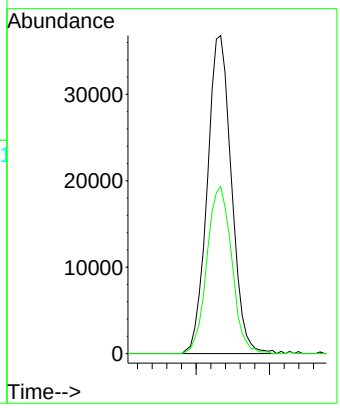


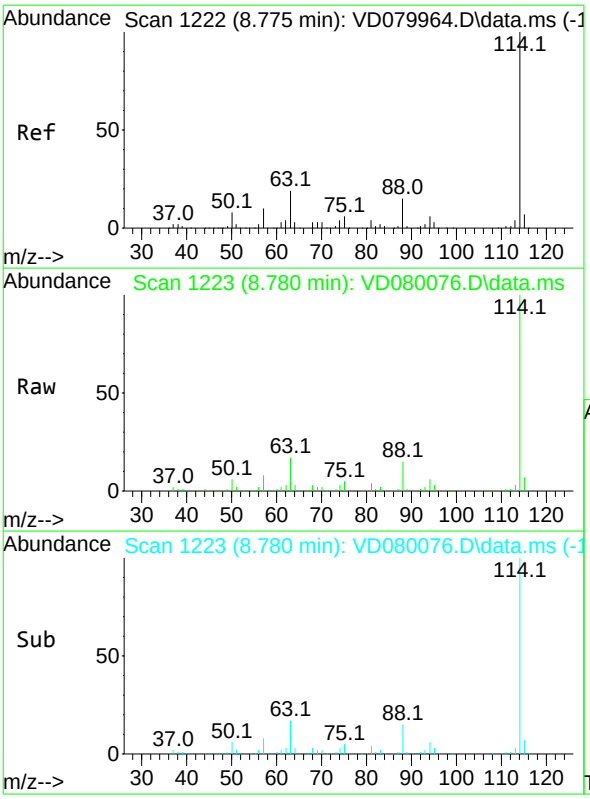


#33
1,2-Dichloroethane-d4
Concen: 40.715 ug/l
RT: 8.233 min Scan# 1130
Delta R.T. 0.005 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Tgt Ion: 65 Resp: 84226

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	109.2



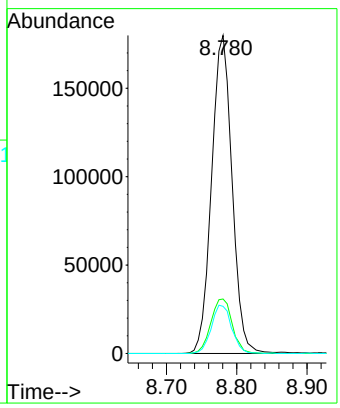


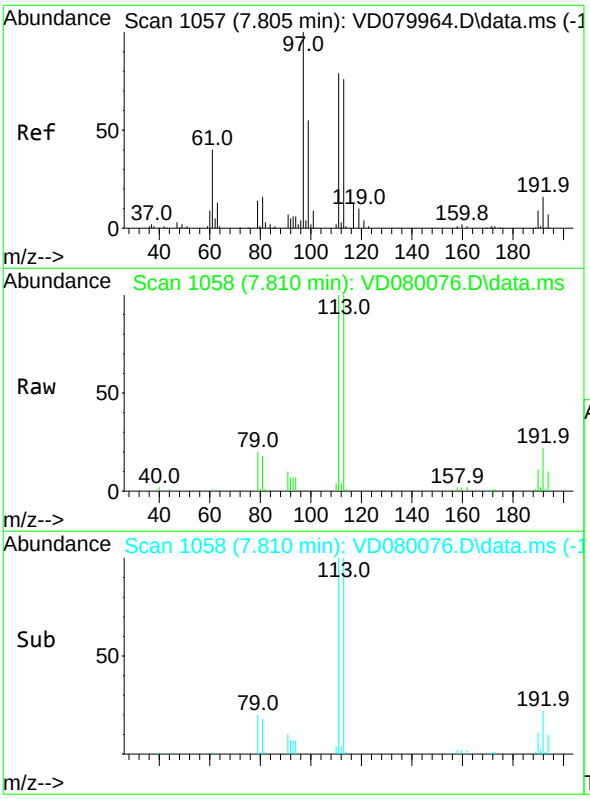
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.780 min Scan# 12
Delta R.T. 0.005 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Tgt Ion:114 Resp: 364222

Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	38.8
88	14.8	0.0	30.6

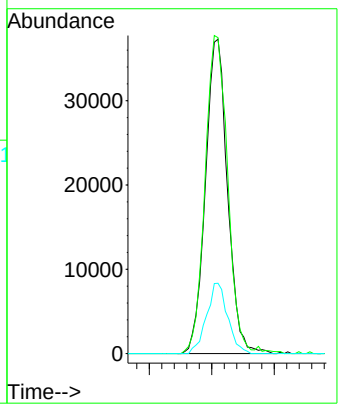


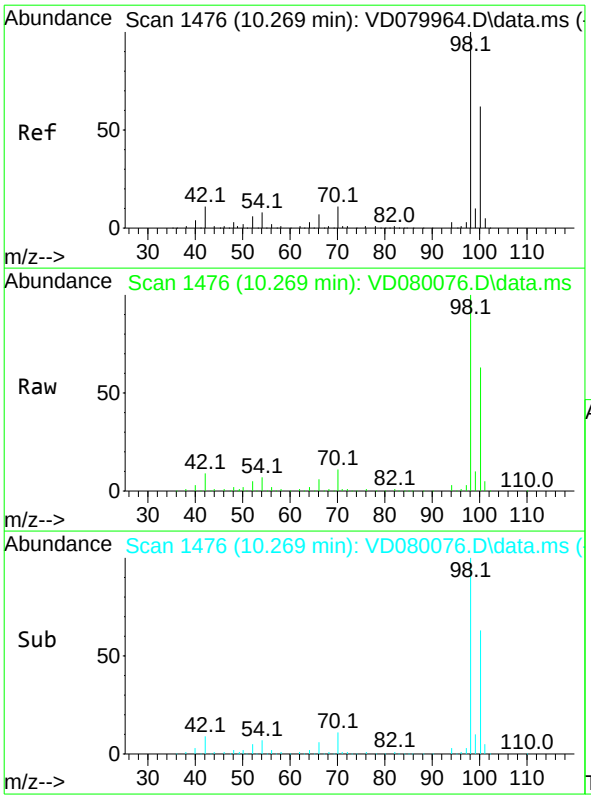


#35
Dibromofluoromethane
Concen: 37.773 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.005 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Tgt Ion:113 Resp: 91562

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.5	123.7
192	21.4	16.6	25.0



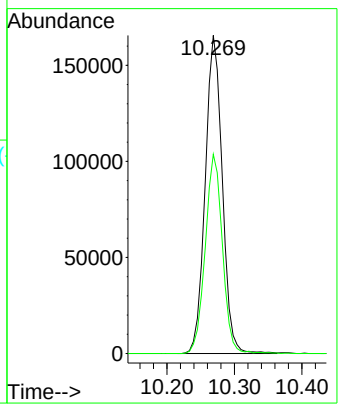


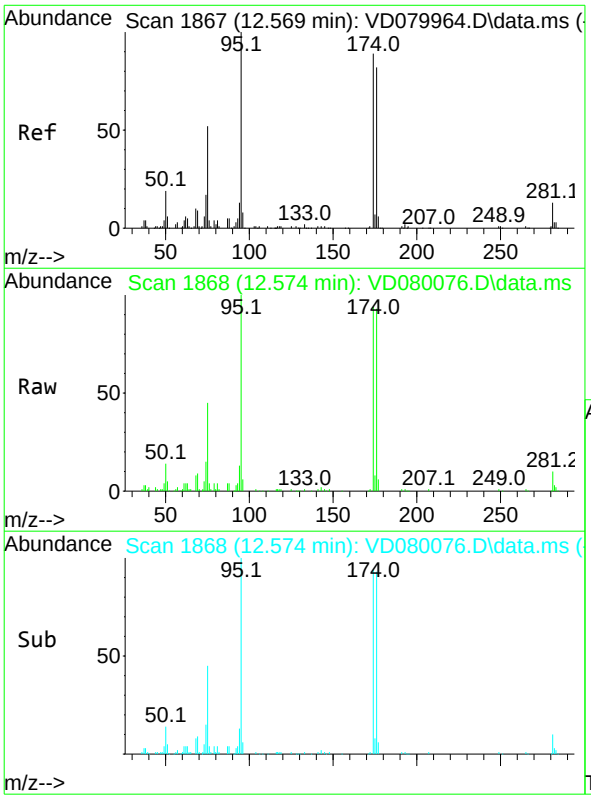
#50
Toluene-d8
Concen: 31.828 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Tgt Ion: 98 Resp: 290784

Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.2	75.4

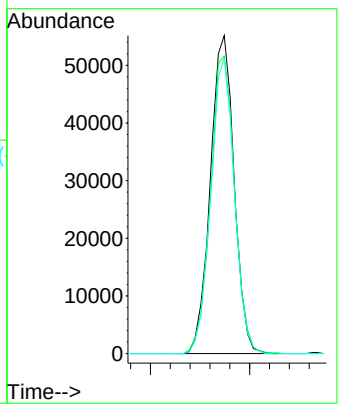


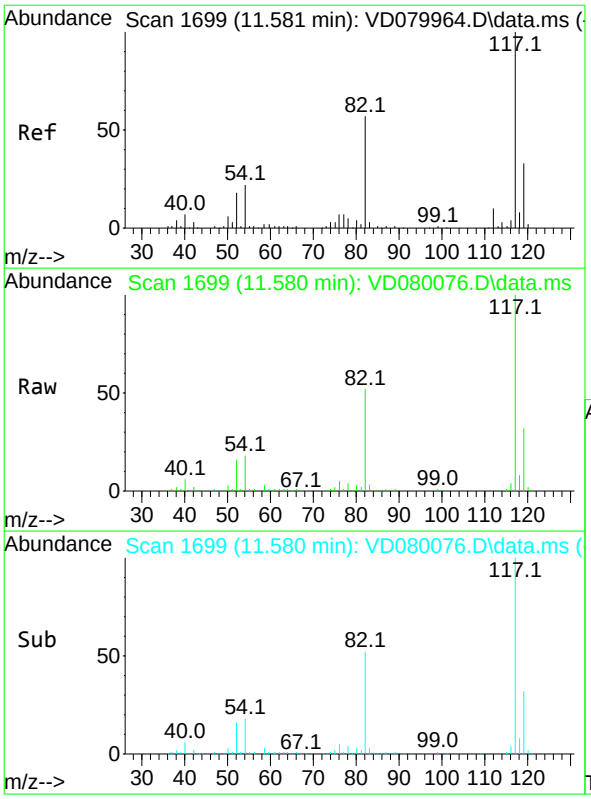


#62
4-Bromofluorobenzene
Concen: 30.581 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. 0.005 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Tgt Ion: 95 Resp: 91664

Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	173.4
176	92.0	0.0	166.6



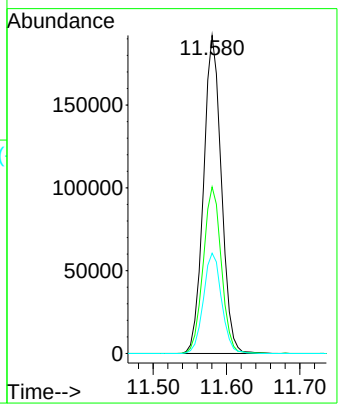


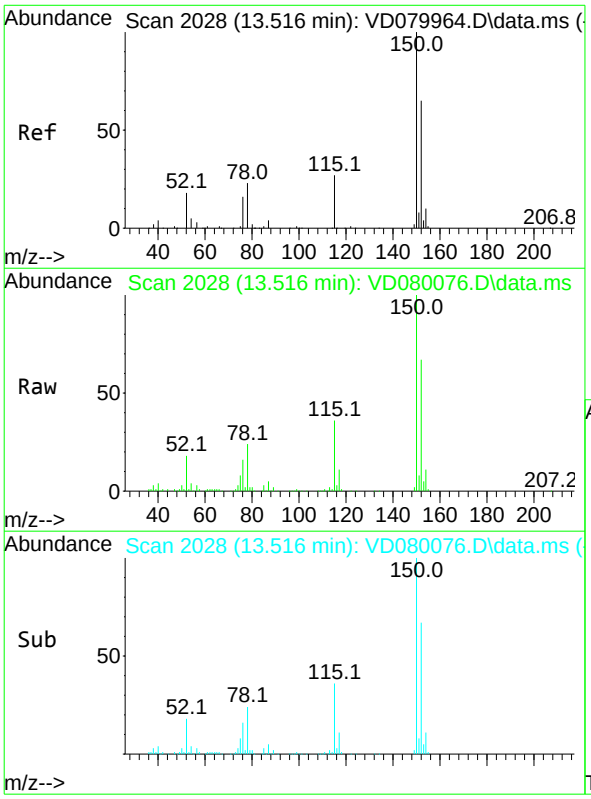
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 16
Delta R.T. -0.001 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Tgt Ion:117 Resp: 324341

Ion	Ratio	Lower	Upper
117	100		
82	52.4	45.8	68.6
119	31.5	26.2	39.2

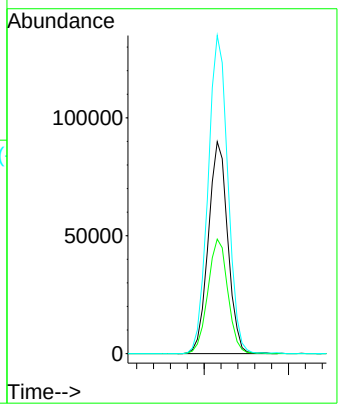




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Tgt Ion:152 Resp: 143861

Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.9	86.8
150	152.9	0.0	354.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080076.D
Acq On : 18 Nov 2024 18:28
Operator : RP/MD
Sample : P4860-05
Misc : 6.25G/5ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080076.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.746	20	27	39	rVB	978876	1517184	100.00%	23.134%
2	4.798	536	546	556	rBV4	12063	38452	2.53%	0.586%
3	7.804	1048	1057	1063	rBV2	126128	307406	20.26%	4.687%
4	7.875	1063	1069	1084	rVB	248015	575906	37.96%	8.781%
5	8.233	1121	1130	1142	rBV	104026	235438	15.52%	3.590%
6	8.780	1210	1223	1241	rBV	388659	808262	53.27%	12.324%
7	10.269	1468	1476	1486	rBV	417822	743612	49.01%	11.339%
8	11.580	1691	1699	1714	rVB	555196	945490	62.32%	14.417%
9	12.574	1861	1868	1876	rBV	290330	487980	32.16%	7.441%
10	13.516	2021	2028	2036	rBV	505439	816990	53.85%	12.457%
11	14.045	2112	2118	2125	rVB	52736	81513	5.37%	1.243%

Sum of corrected areas: 6558233

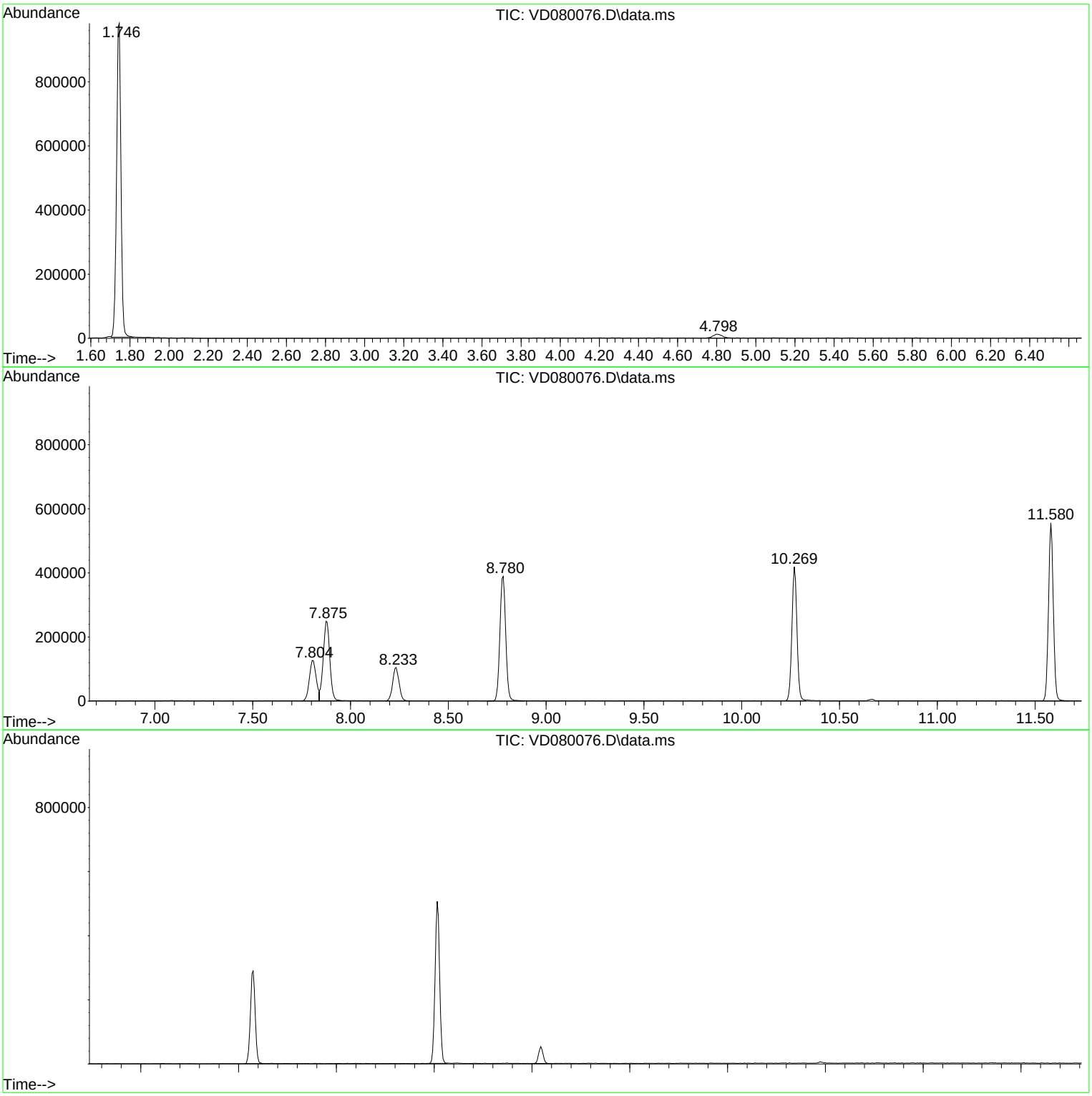
Sample Results: **VD080076.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080076.D
Acq On : 18 Nov 2024 18:28
Operator : RP/MD
Sample : P4860-05
Misc : 6.25G/5ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080076.D
Acq On : 18 Nov 2024 18:28
Operator : RP/MD
Sample : P4860-05
Misc : 6.25G/5ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080076.D
Acq On : 18 Nov 2024 18:28
Operator : RP/MD
Sample : P4860-05
Misc : 6.25G/5ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020369.D
Acq On : 20 Nov 2024 18:58
Operator : SY/MD
Sample : P4860-06
Misc : 7.41g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

Quant Time: Nov 21 00:52:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

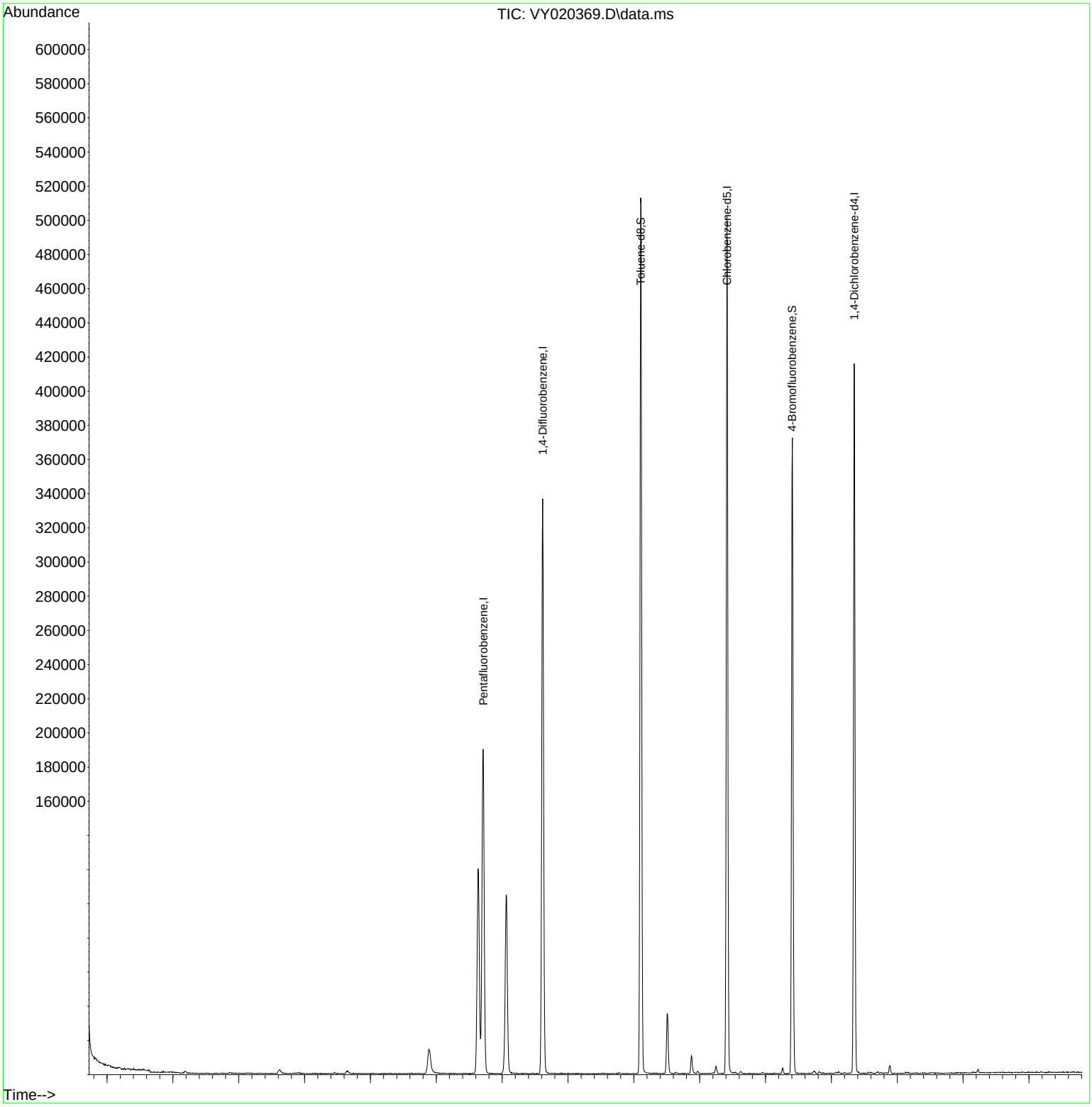
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	142975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	273649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	253521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	99327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84547	51.471	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.940%			
35) Dibromofluoromethane	7.634	113	84465	48.136	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.280%			
50) Toluene-d8	10.103	98	332194	48.059	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.120%			
62) 4-Bromofluorobenzene	12.402	95	111020	49.963	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.920%			
Target Compounds						Qvalue

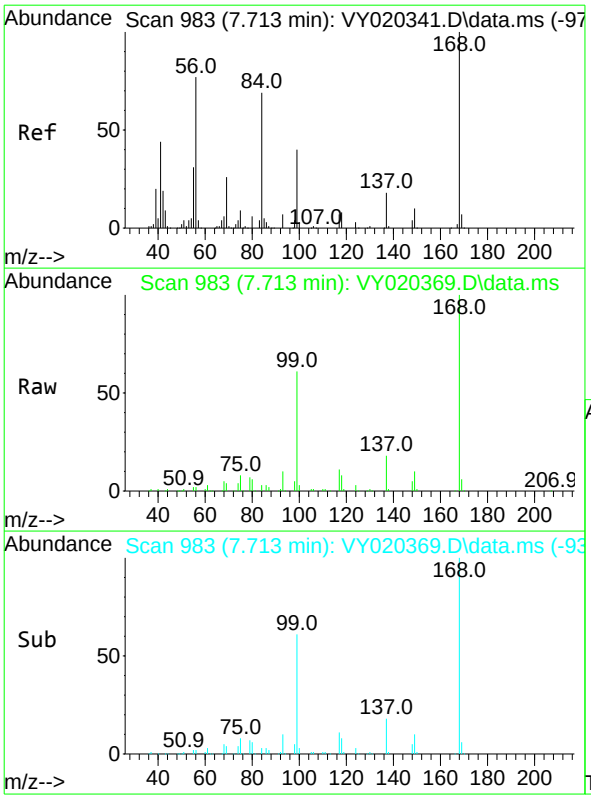
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020369.D
Acq On : 20 Nov 2024 18:58
Operator : SY/MD
Sample : P4860-06
Misc : 7.41g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

Quant Time: Nov 21 00:52:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



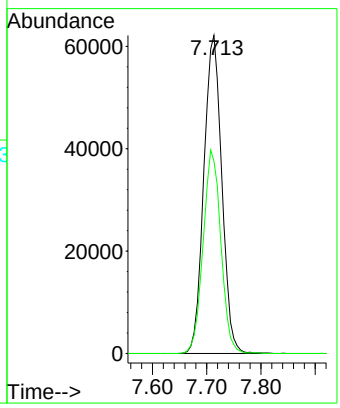


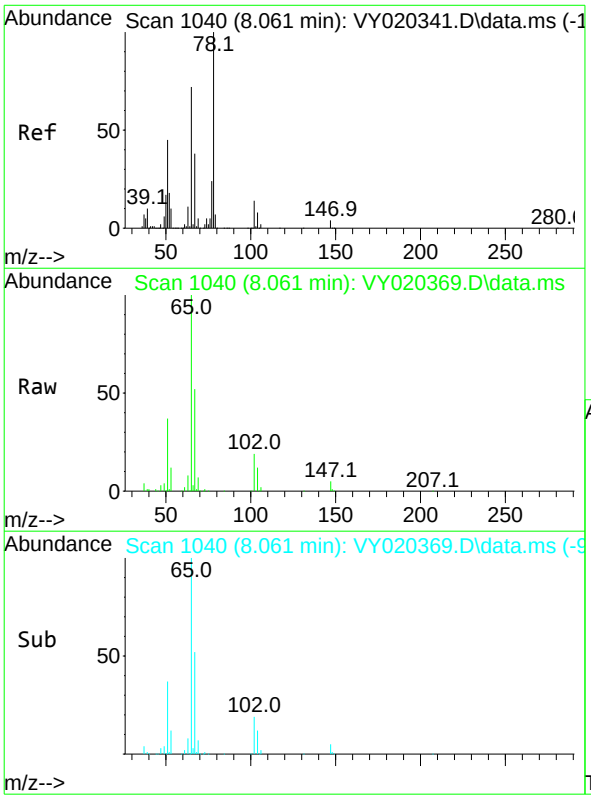
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

Tgt Ion:168 Resp: 142975

Ion	Ratio	Lower	Upper
168	100		
99	60.5	46.6	69.8

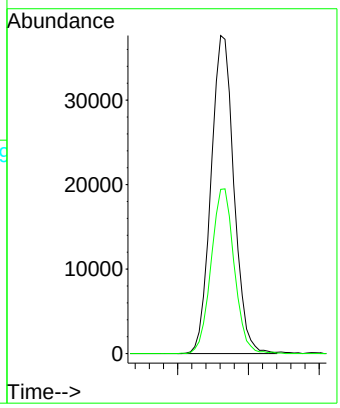


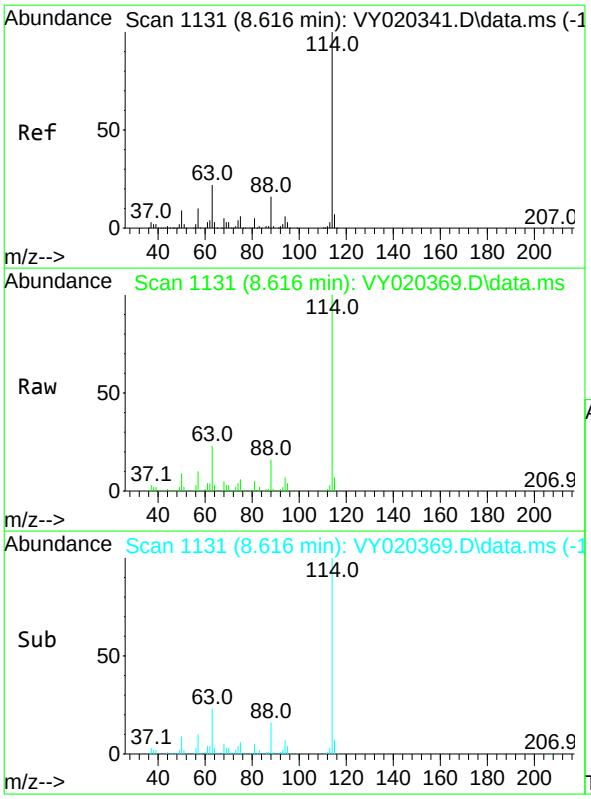


#33
1,2-Dichloroethane-d4
Concen: 51.471 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Tgt Ion: 65 Resp: 84547

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.8



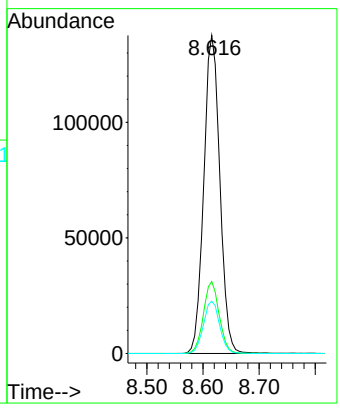


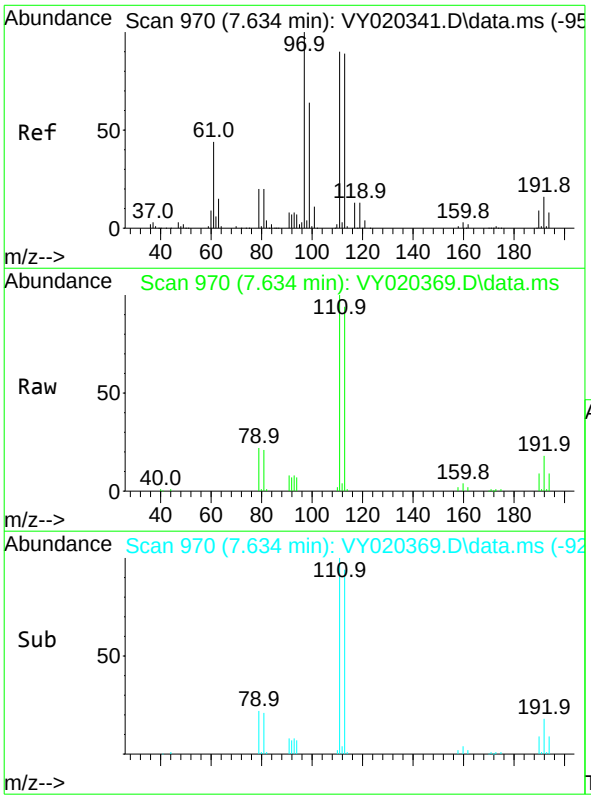
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

Tgt Ion:114 Resp: 273649

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	44.8
88	16.4	0.0	32.0

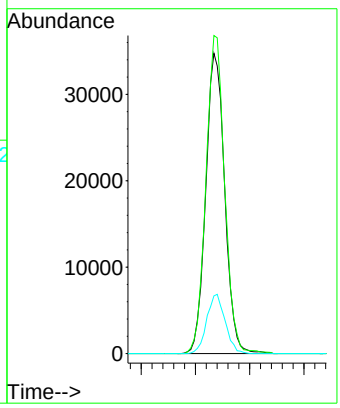


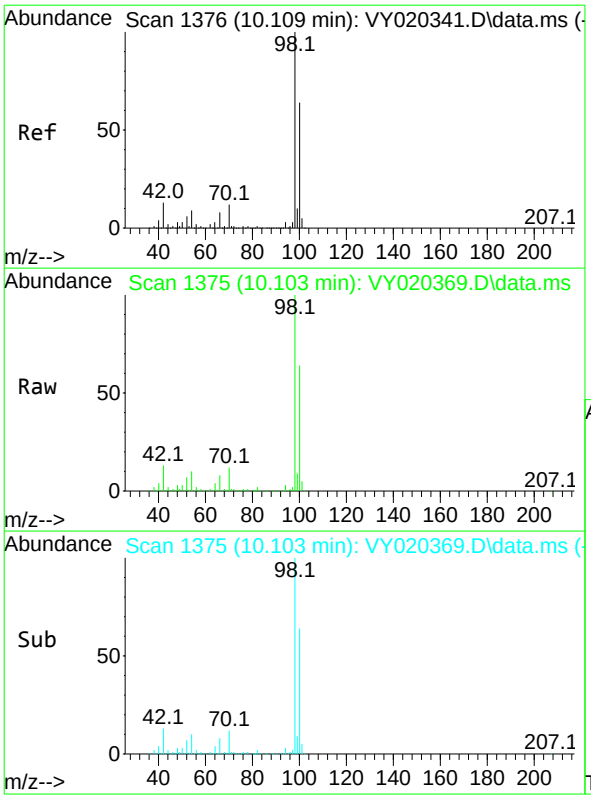


#35
Dibromofluoromethane
Concen: 48.136 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Tgt Ion:113 Resp: 84465

Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.4	122.0
192	19.1	15.1	22.7



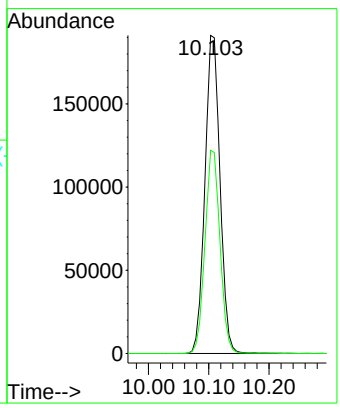


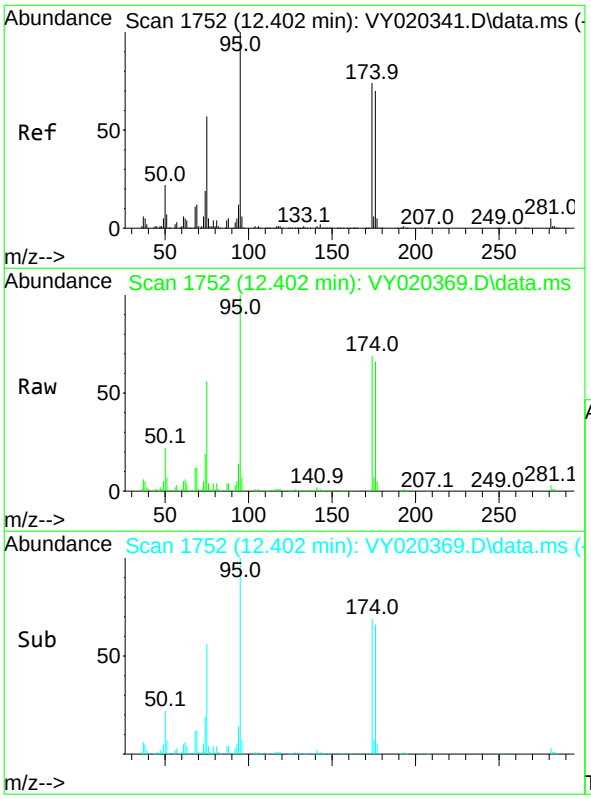
#50
Toluene-d8
Concen: 48.059 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

Tgt Ion: 98 Resp: 332194

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.3	76.9

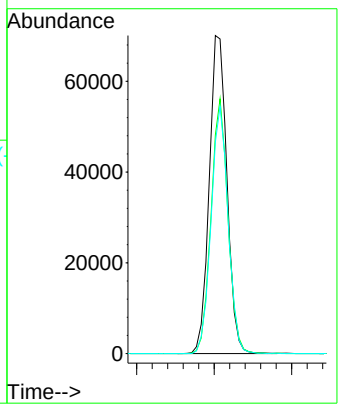




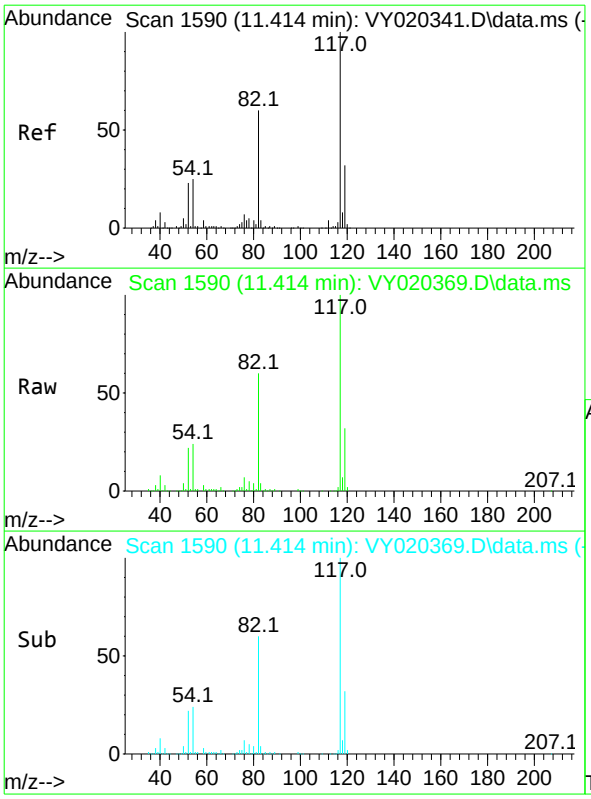
#62
4-Bromofluorobenzene
Concen: 49.963 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Tgt Ion: 95 Resp: 111020

Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	156.8
176	74.7	0.0	152.0



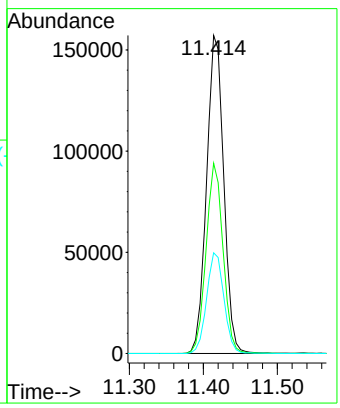
Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

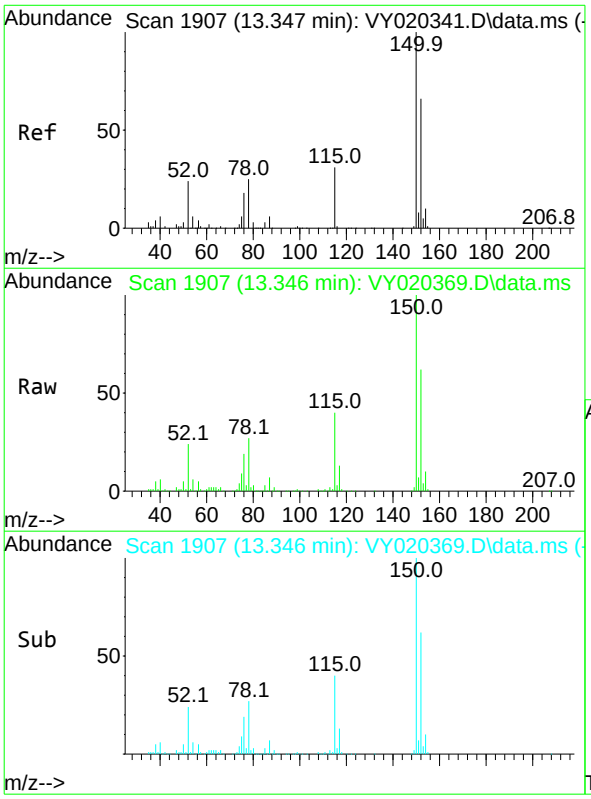


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Tgt Ion:117 Resp: 253521

Ion	Ratio	Lower	Upper
117	100		
82	59.8	48.2	72.4
119	31.7	25.8	38.8

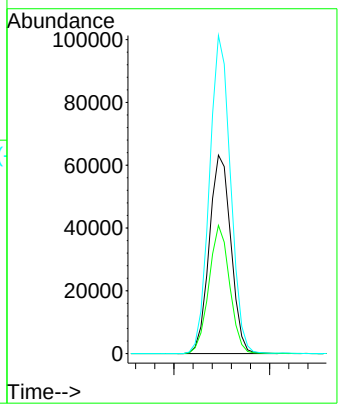




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Tgt Ion:152 Resp: 99327

Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.0	90.0
150	155.9	0.0	348.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020369.D
Acq On : 20 Nov 2024 18:58
Operator : SY/MD
Sample : P4860-06
Misc : 7.41g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020369.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.884	837	847	861	rBV	14366	49114	5.48%	1.039%
2	7.634	959	970	976	rBV	120036	287101	32.05%	6.072%
3	7.707	976	982	998	rVB	189741	449032	50.13%	9.497%
4	8.061	1028	1040	1053	rBV	104526	247387	27.62%	5.232%
5	8.616	1121	1131	1141	rBV	336447	666153	74.37%	14.089%
6	10.103	1368	1375	1386	rBV	512213	895730	100.00%	18.944%
7	10.506	1434	1441	1452	rBV2	34939	65011	7.26%	1.375%
8	10.877	1495	1502	1513	rBV2	10455	18429	2.06%	0.390%
9	11.414	1583	1590	1604	rBV	501741	806127	90.00%	17.049%
10	12.408	1746	1753	1763	rVB2	371932	608376	67.92%	12.867%
11	13.346	1897	1907	1917	rBV	415353	635774	70.98%	13.446%

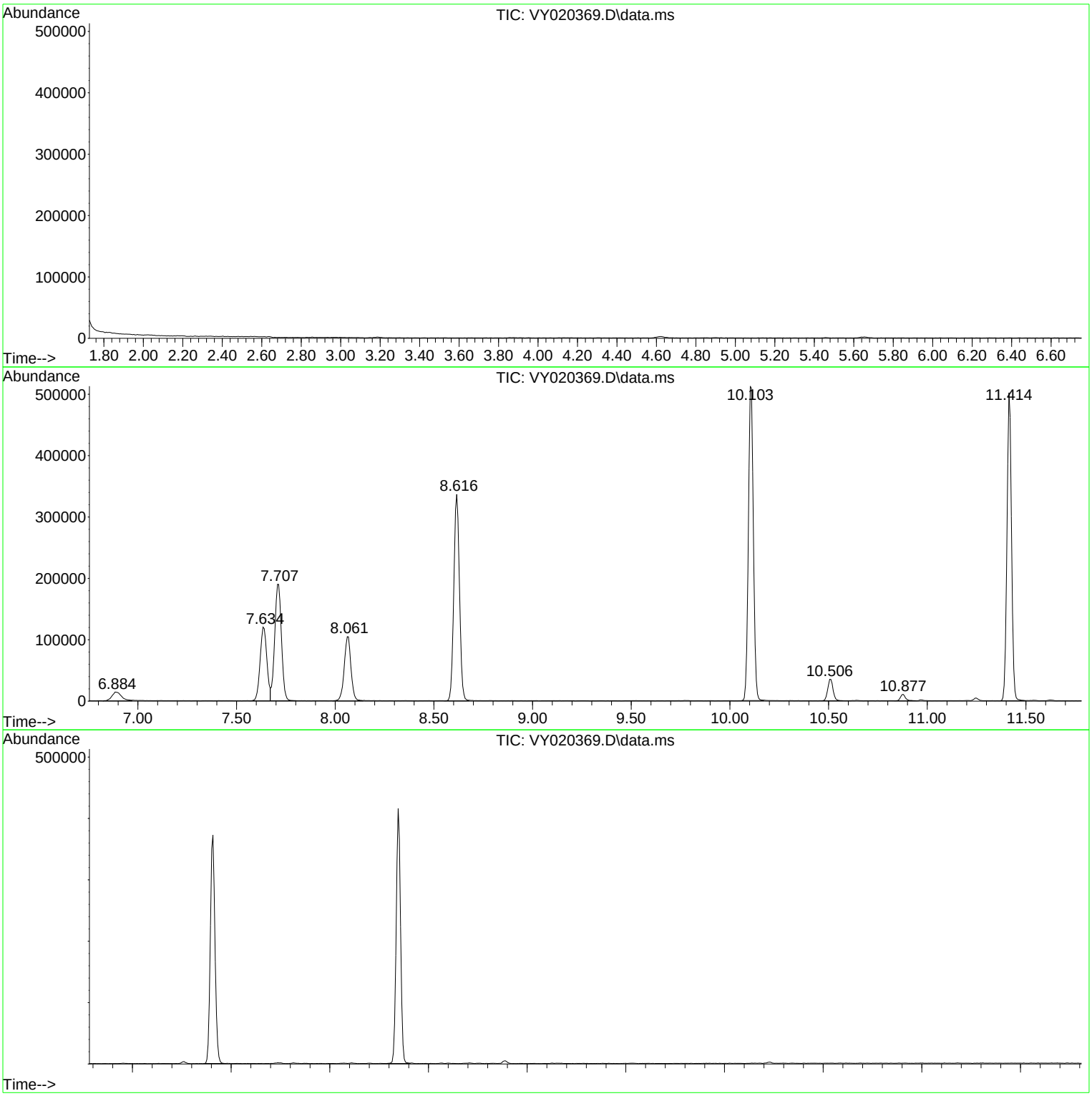
Sum of corrected areas: 4728234

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020369.D
Acq On : 20 Nov 2024 18:58
Operator : SY/MD
Sample : P4860-06
Misc : 7.41g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020369.D
Acq On : 20 Nov 2024 18:58
Operator : SY/MD
Sample : P4860-06
Misc : 7.41g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020369.D
Acq On : 20 Nov 2024 18:58
Operator : SY/MD
Sample : P4860-06
Misc : 7.41g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080078.D
Acq On : 18 Nov 2024 19:22
Operator : RP/MD
Sample : P4860-07
Misc : 6.20G/5ml/MSVOA_D/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Quant Time: Nov 19 04:51:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

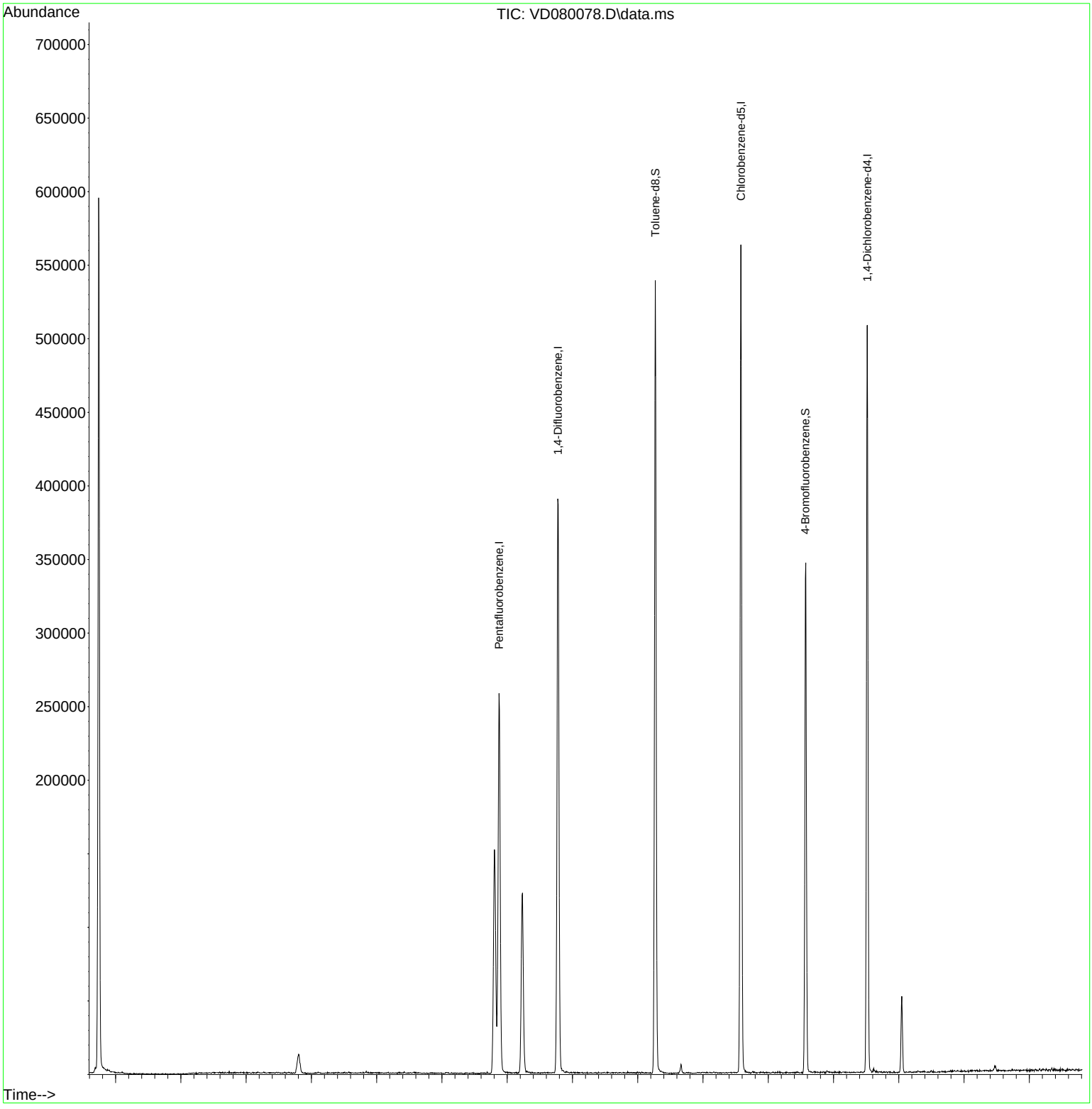
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	209792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	360025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	320832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96108	44.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 88.980%			
35) Dibromofluoromethane	7.805	113	110302	46.034	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.060%			
50) Toluene-d8	10.269	98	377907	41.846	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 83.700%			
62) 4-Bromofluorobenzene	12.569	95	107643	36.330	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 72.660%			
Target Compounds						Qvalue

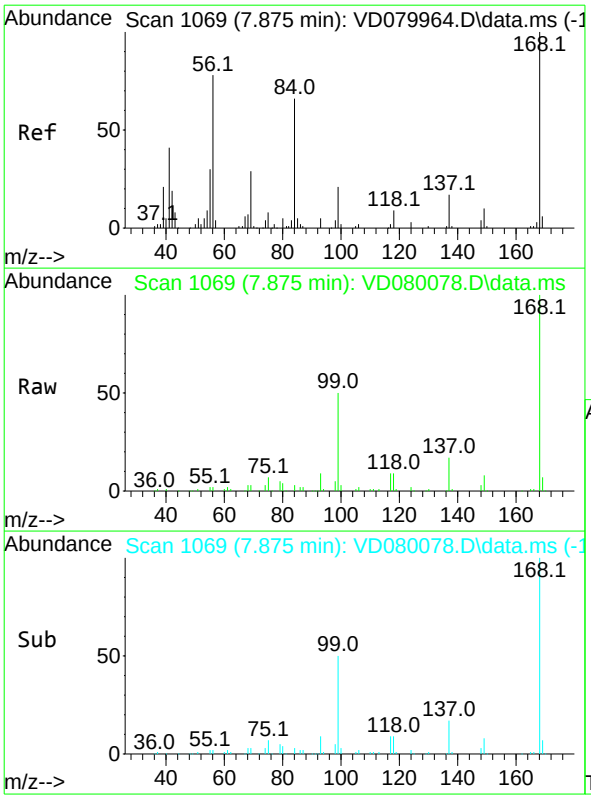
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080078.D
Acq On : 18 Nov 2024 19:22
Operator : RP/MD
Sample : P4860-07
Misc : 6.20G/5ml/MSVOA_D/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Quant Time: Nov 19 04:51:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



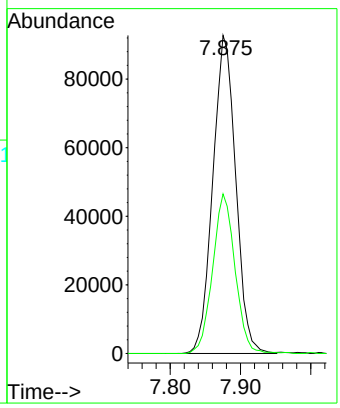


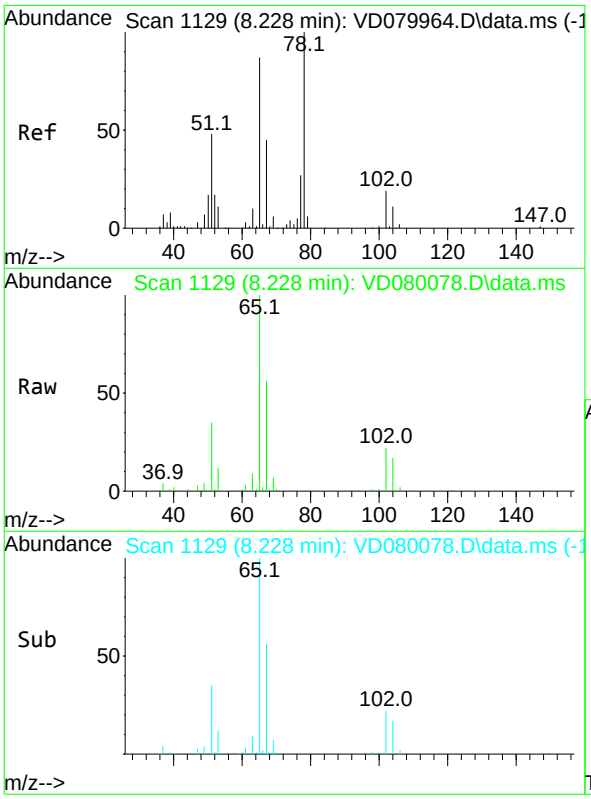
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Tgt Ion:168 Resp: 209792

Ion	Ratio	Lower	Upper
168	100		
99	50.2	46.0	69.0

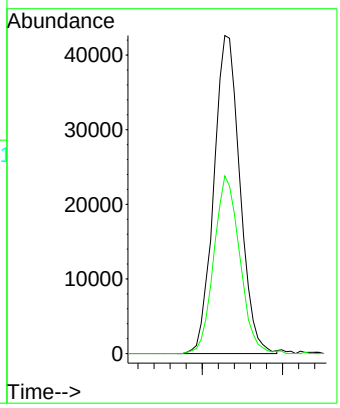


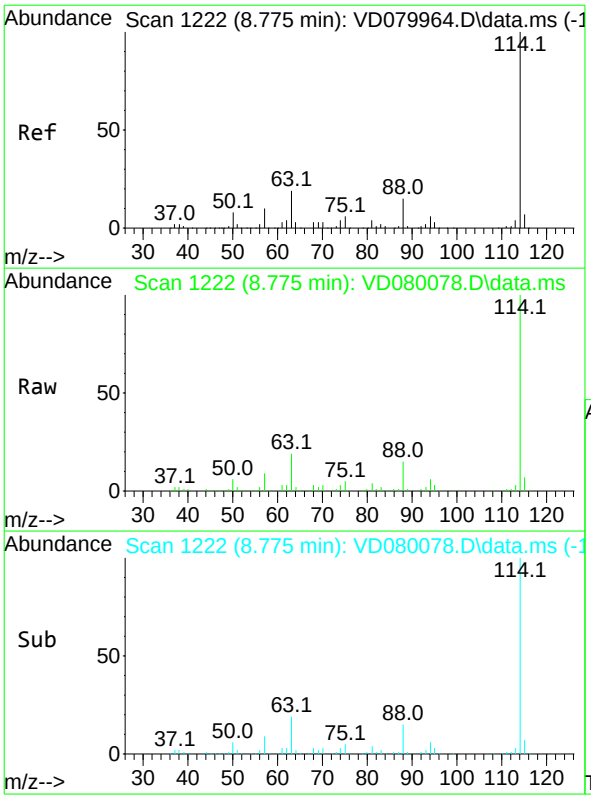


#33
1,2-Dichloroethane-d4
Concen: 44.494 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Tgt Ion: 65 Resp: 96108

Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	109.2



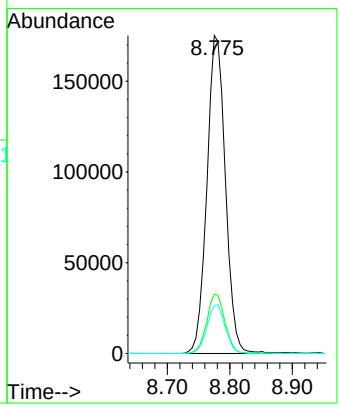


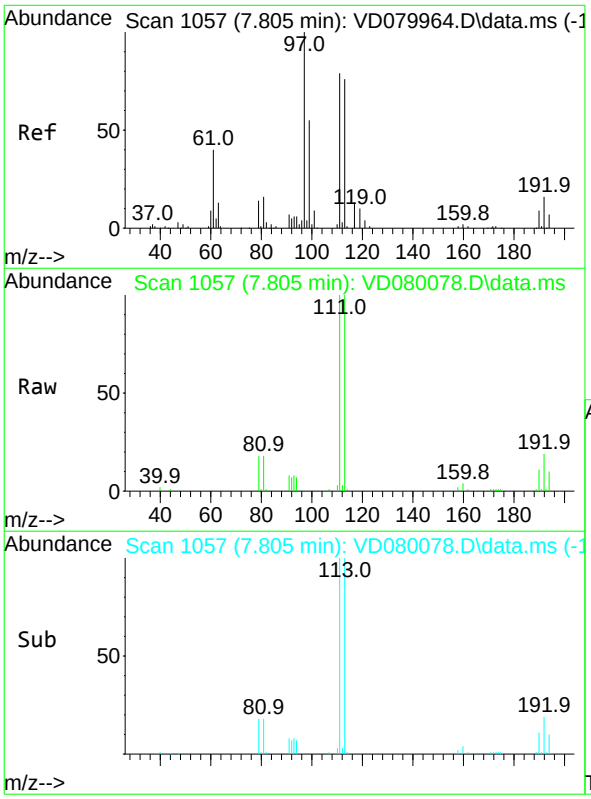
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Tgt Ion:114 Resp: 360025

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.8
88	14.9	0.0	30.6

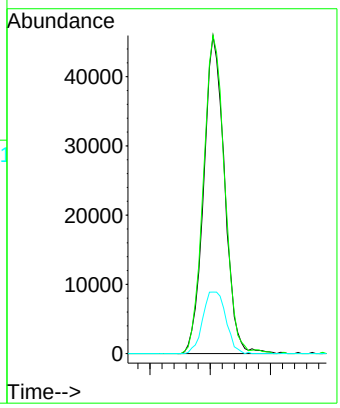


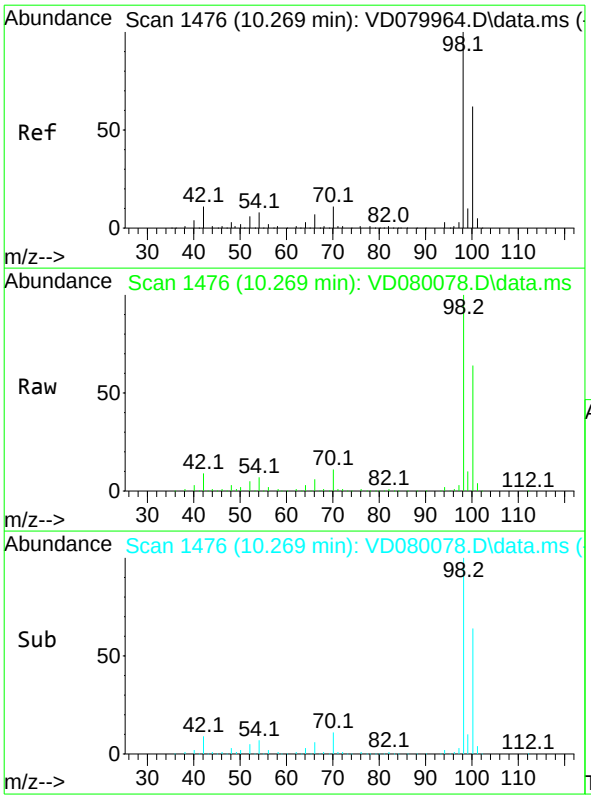


#35
Dibromofluoromethane
Concen: 46.034 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Tgt Ion:113 Resp: 110302

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.5	123.7
192	21.5	16.6	25.0



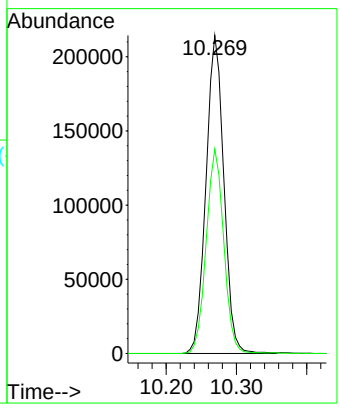


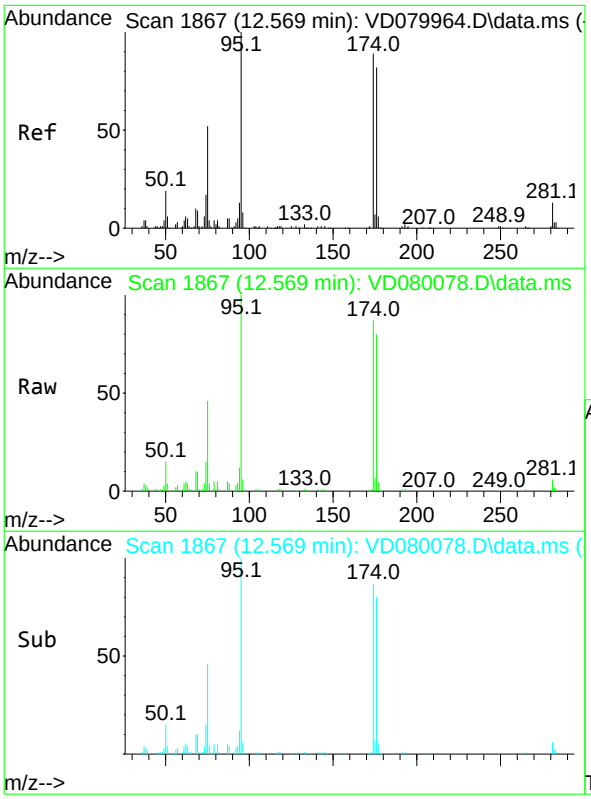
#50
Toluene-d8
Concen: 41.846 ug/l
RT: 10.269 min Scan# 14
Delta R.T. 0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Tgt Ion: 98 Resp: 377907

Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.2	75.4

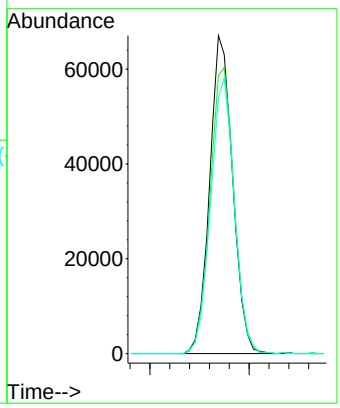


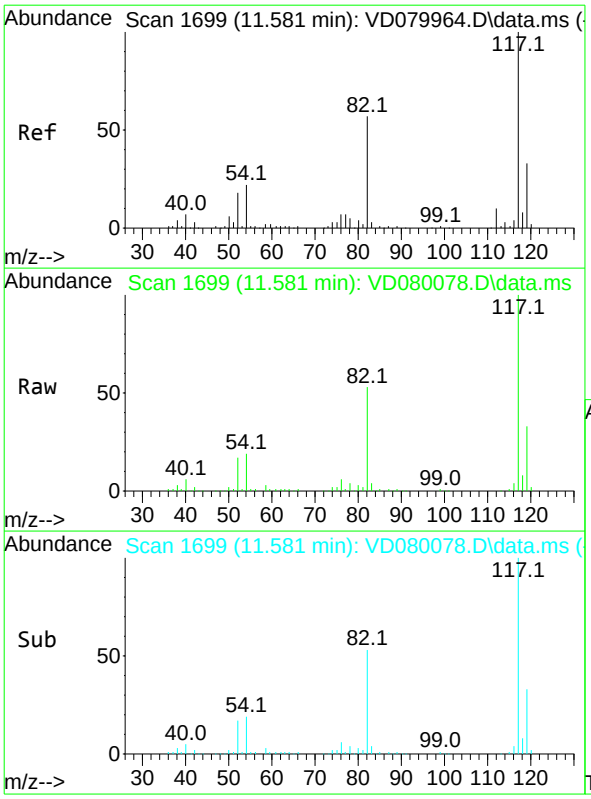


#62
4-Bromofluorobenzene
Concen: 36.330 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Tgt Ion: 95 Resp: 107643

Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	173.4
176	89.6	0.0	166.6



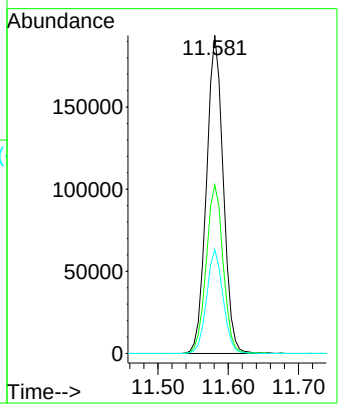


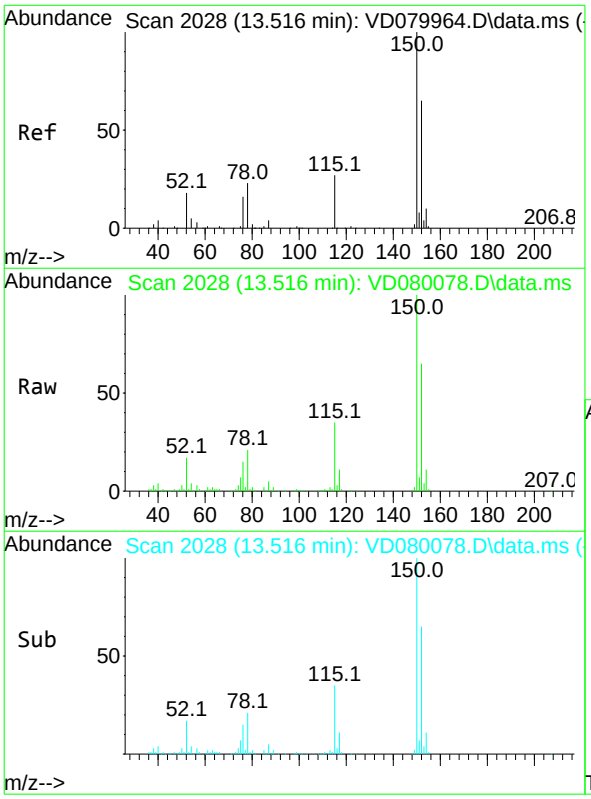
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 16
Delta R.T. -0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Tgt Ion:117 Resp: 320832

Ion	Ratio	Lower	Upper
117	100		
82	53.0	45.8	68.6
119	32.6	26.2	39.2

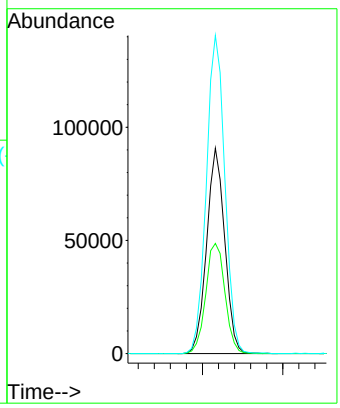




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Tgt Ion:152 Resp: 141967

Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.9	86.8
150	158.3	0.0	354.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080078.D
Acq On : 18 Nov 2024 19:22
Operator : RP/MD
Sample : P4860-07
Misc : 6.20G/5ml/MSVOA_D/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080078.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	19	26	44	rVB	592729	930625	98.11%	14.570%
2	4.805	537	547	560	rBV4	12997	39633	4.18%	0.621%
3	7.805	1047	1057	1063	rBV	152098	368888	38.89%	5.775%
4	7.875	1063	1069	1086	rVB	258019	580583	61.21%	9.090%
5	8.234	1118	1130	1139	rBV	122609	278468	29.36%	4.360%
6	8.775	1213	1222	1233	rBV	390241	806531	85.03%	12.627%
7	10.269	1467	1476	1489	rBV	538831	948574	100.00%	14.851%
8	10.663	1537	1543	1550	rBV2	6118	10011	1.06%	0.157%
9	11.581	1689	1699	1710	rBV	562647	940217	99.12%	14.720%
10	12.575	1860	1868	1877	rBV	346796	580929	61.24%	9.095%
11	13.516	2020	2028	2040	rVB	507819	822016	86.66%	12.870%
12	14.045	2112	2118	2125	rVB	51864	80726	8.51%	1.264%

Sum of corrected areas: 6387201

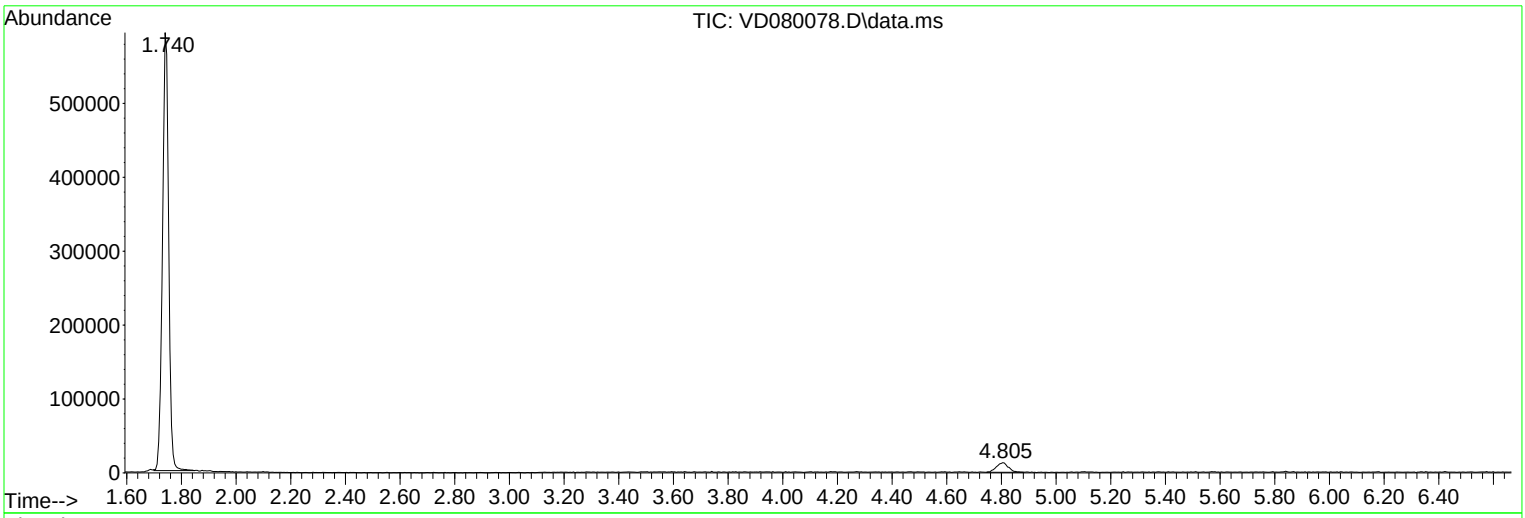
Sample Results: **VD080078.D**

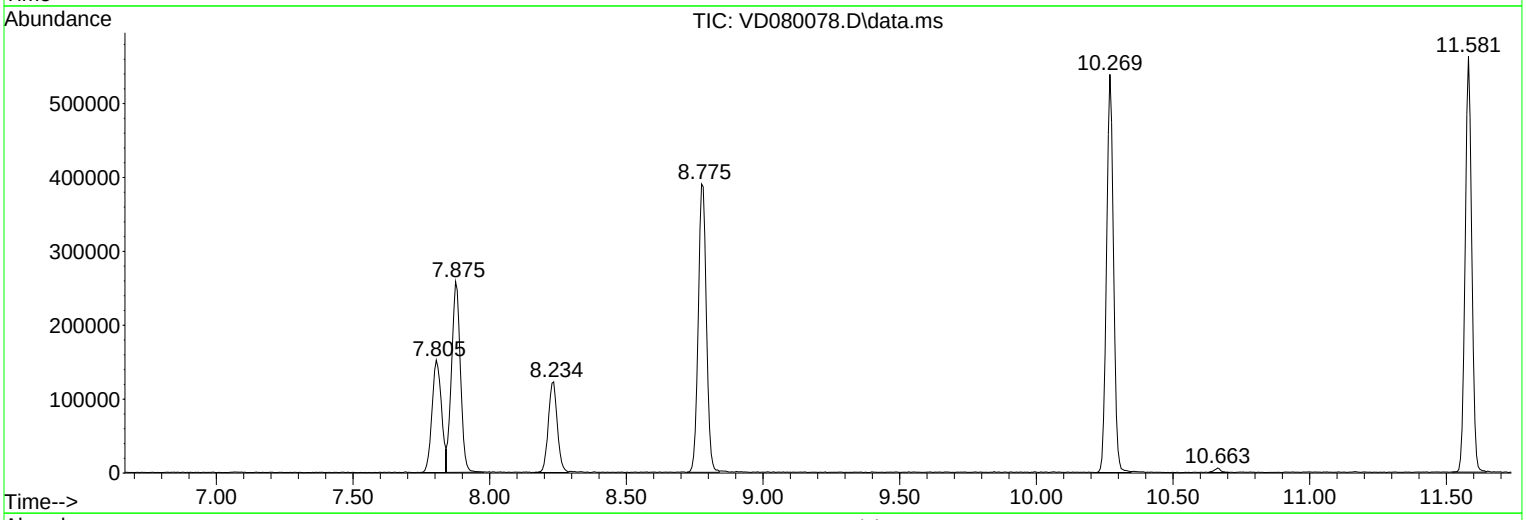
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080078.D
Acq On : 18 Nov 2024 19:22
Operator : RP/MD
Sample : P4860-07
Misc : 6.20G/5ml/MSVOA_D/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

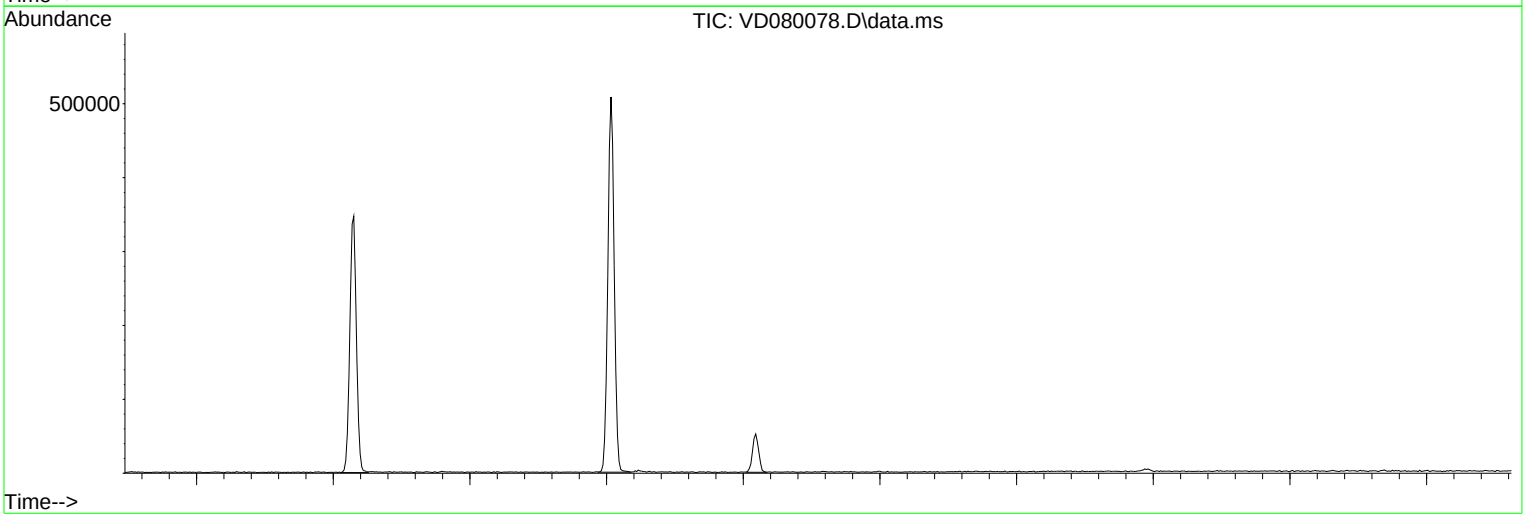
Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080078.D
Acq On : 18 Nov 2024 19:22
Operator : RP/MD
Sample : P4860-07
Misc : 6.20G/5ml/MSVOA_D/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080078.D
Acq On : 18 Nov 2024 19:22
Operator : RP/MD
Sample : P4860-07
Misc : 6.20G/5ml/MSVOA_D/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080079.D
Acq On : 18 Nov 2024 19:49
Operator : RP/MD
Sample : P4860-08
Misc : 6.33G/5ml/MSVOA_D/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Quant Time: Nov 19 04:51:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	216854	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	352745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	326096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	151026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96719	43.319	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.640%		
35) Dibromofluoromethane	7.810	113	115447	49.176	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.360%		
50) Toluene-d8	10.269	98	399589	45.161	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.320%		
62) 4-Bromofluorobenzene	12.575	95	122092	42.057	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.120%		

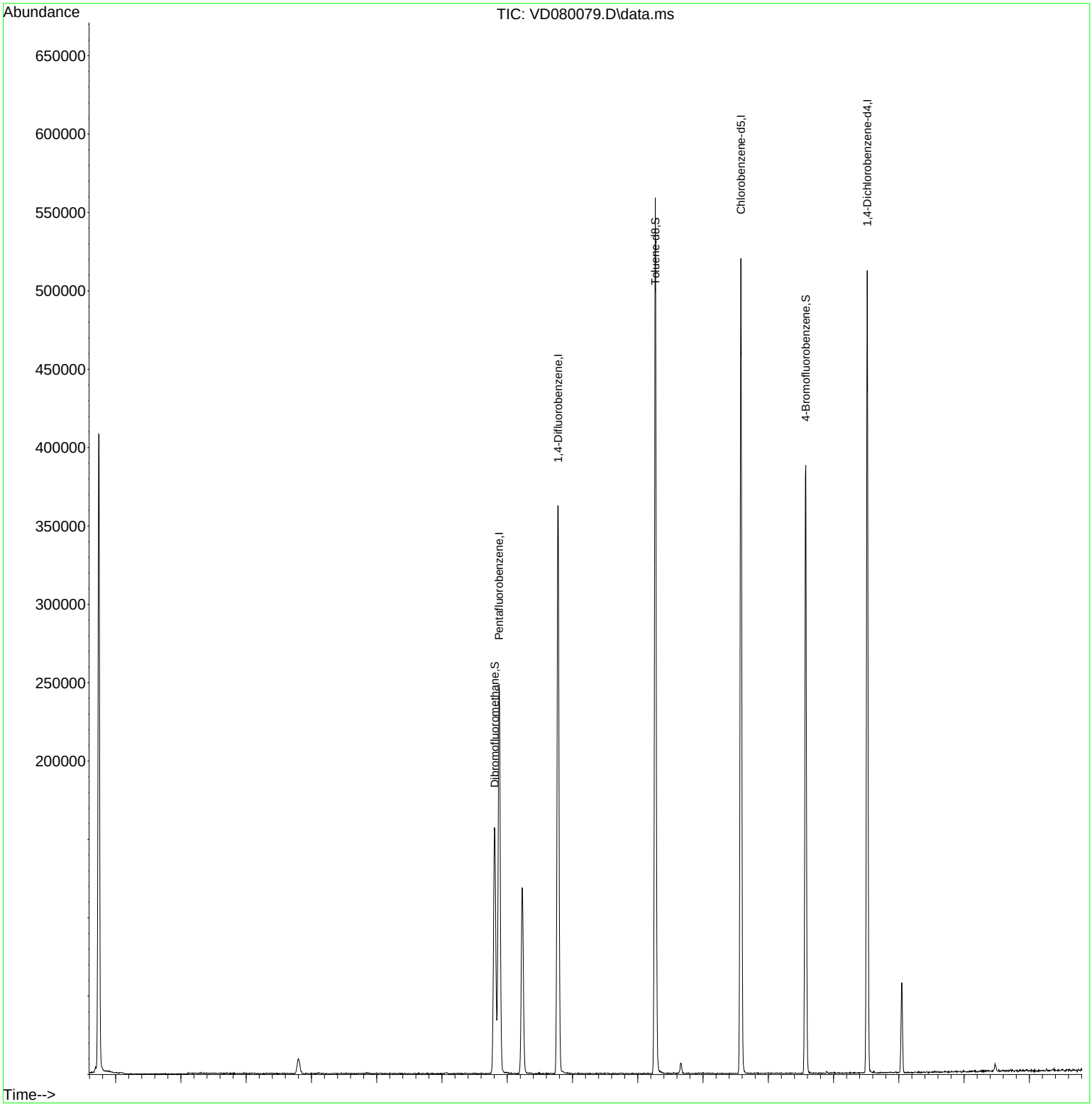
Target Compounds Qvalue

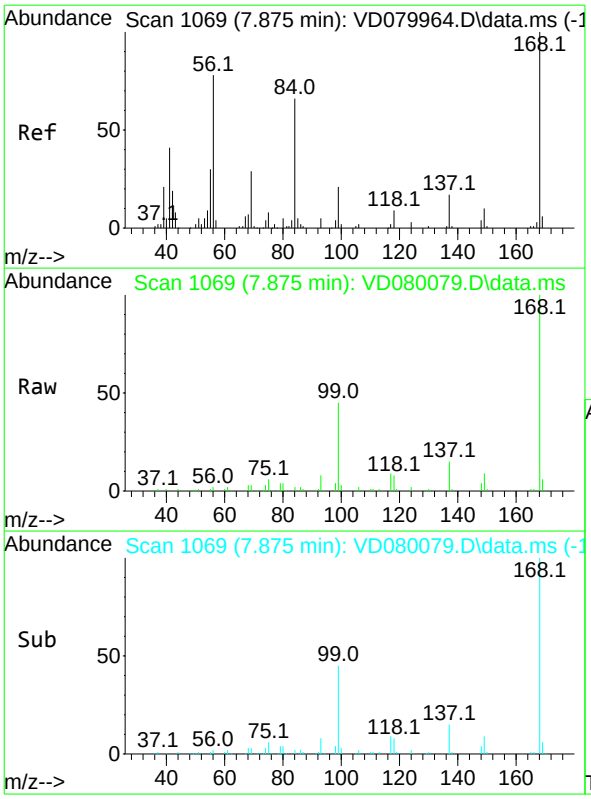
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080079.D
Acq On : 18 Nov 2024 19:49
Operator : RP/MD
Sample : P4860-08
Misc : 6.33G/5ml/MSVOA_D/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Quant Time: Nov 19 04:51:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



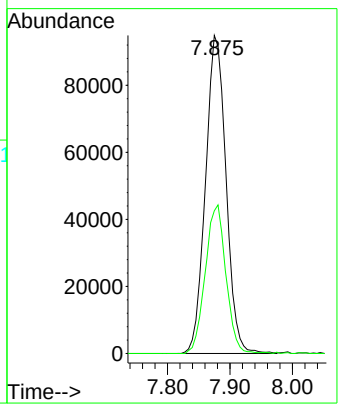


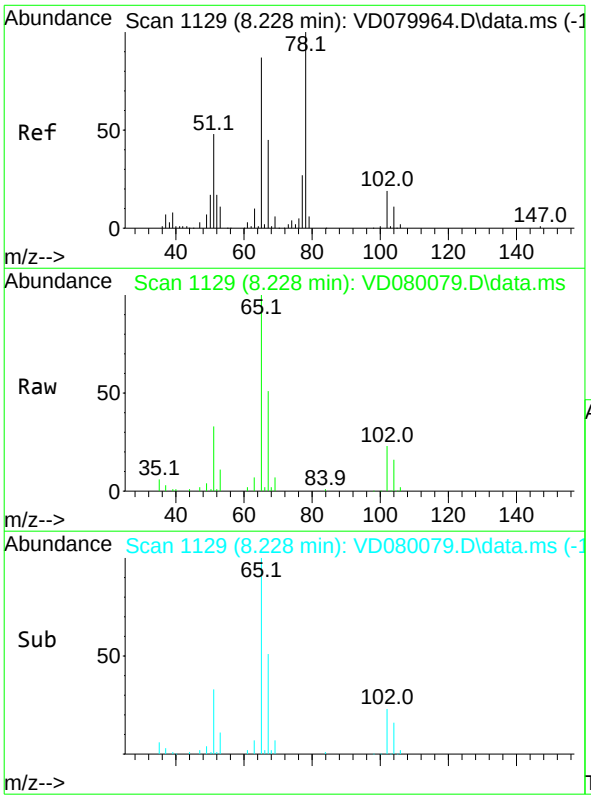
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Tgt Ion:168 Resp: 216854

Ion	Ratio	Lower	Upper
168	100		
99	44.9	46.0	69.0#

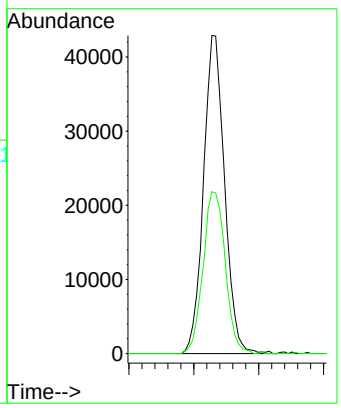


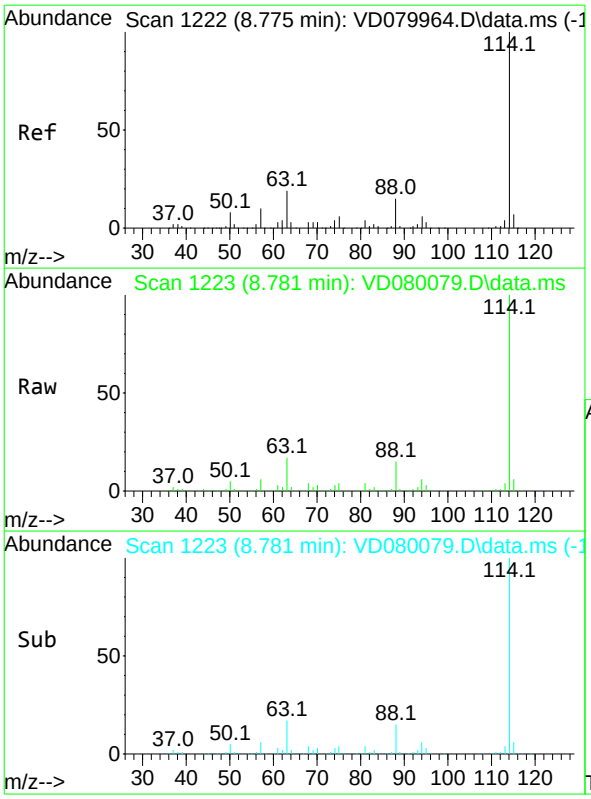


#33
1,2-Dichloroethane-d4
Concen: 43.319 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Tgt Ion: 65 Resp: 96719

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	109.2



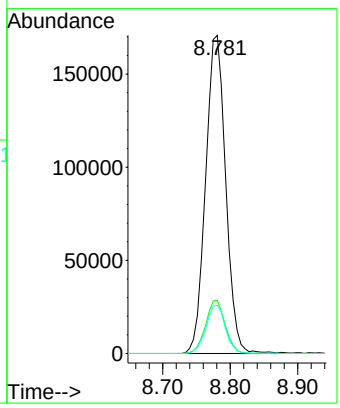


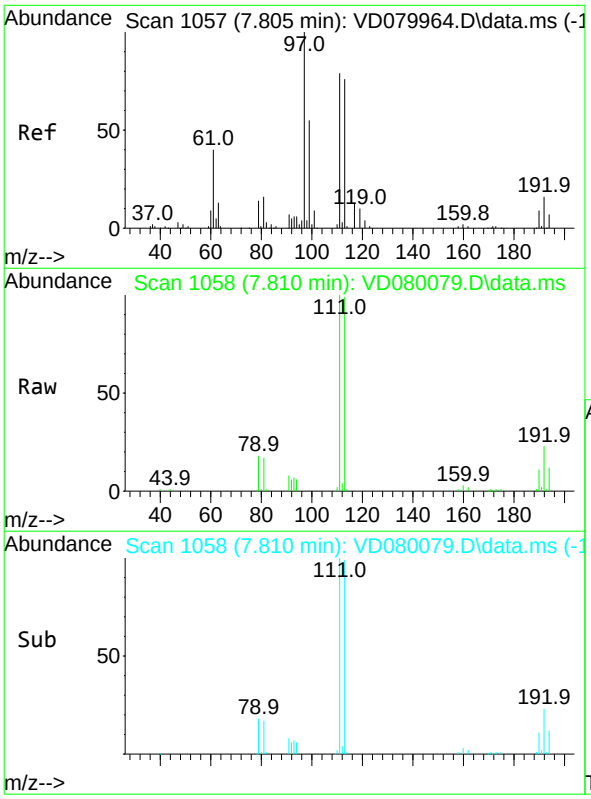
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Tgt Ion:114 Resp: 352745

Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	38.8
88	15.1	0.0	30.6

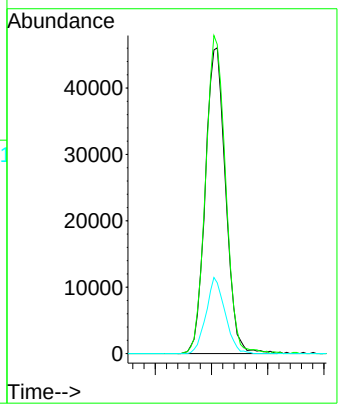


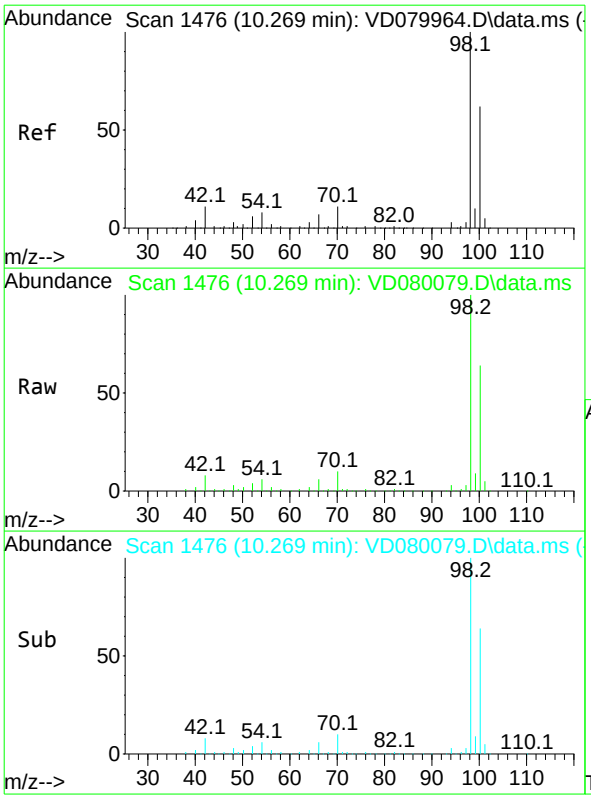


#35
Dibromofluoromethane
Concen: 49.176 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.005 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Tgt Ion:113 Resp: 115447

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.5	123.7
192	23.3	16.6	25.0



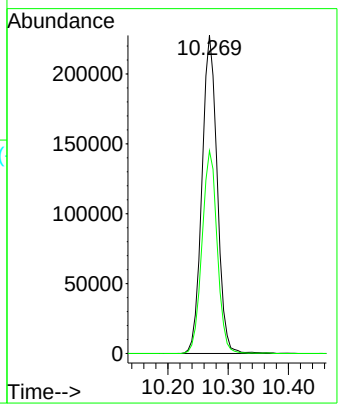


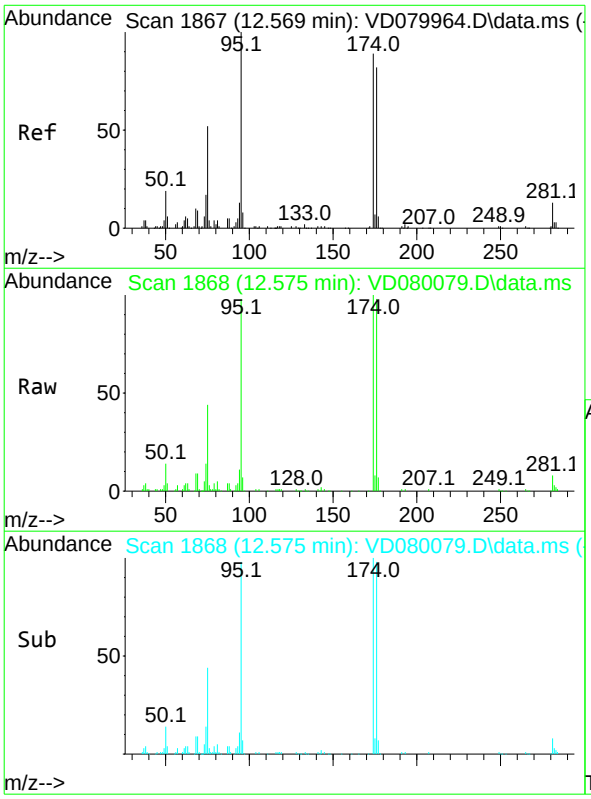
#50
Toluene-d8
Concen: 45.161 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Tgt Ion: 98 Resp: 399589

Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.2	75.4

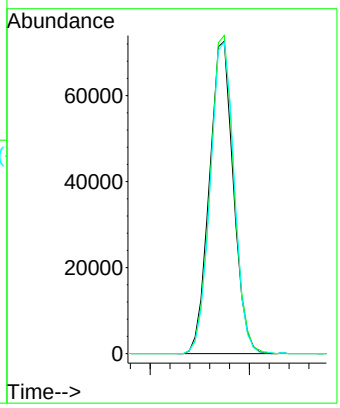


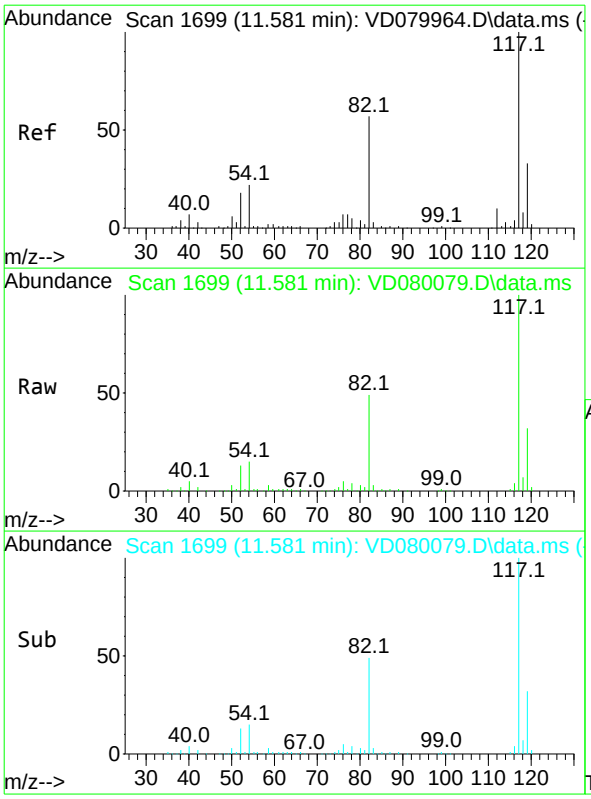


#62
4-Bromofluorobenzene
Concen: 42.057 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Tgt Ion: 95 Resp: 122092

Ion	Ratio	Lower	Upper
95	100		
174	100.7	0.0	173.4
176	99.1	0.0	166.6



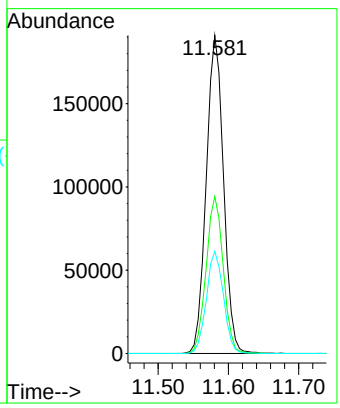


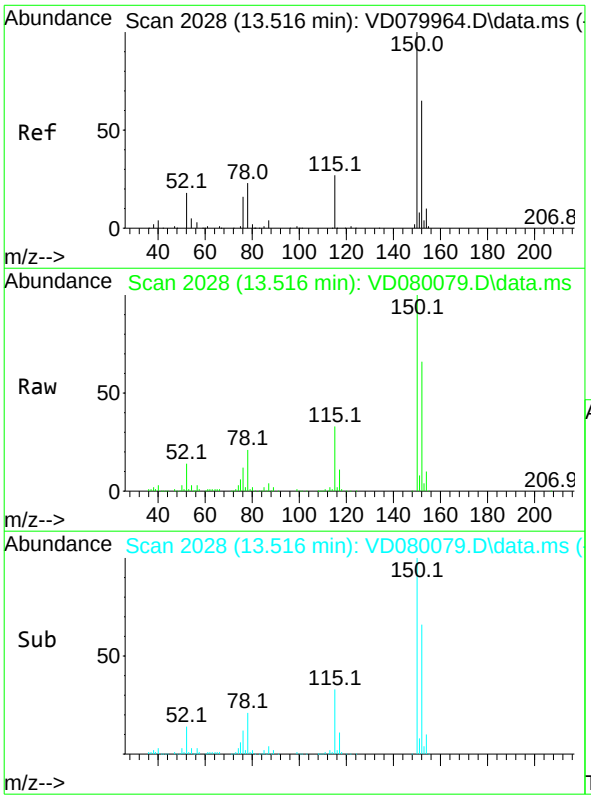
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 16
Delta R.T. -0.000 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Tgt Ion:117 Resp: 326096

Ion	Ratio	Lower	Upper
117	100		
82	49.3	45.8	68.6
119	32.1	26.2	39.2

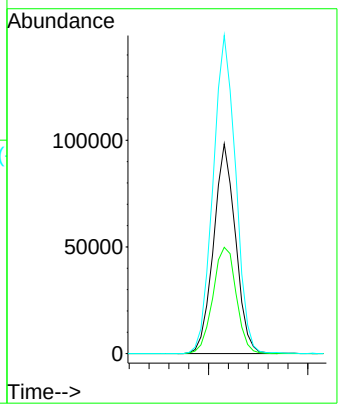




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Tgt Ion:152 Resp: 151026

Ion	Ratio	Lower	Upper
152	100		
115	54.1	28.9	86.8
150	156.4	0.0	354.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080079.D
Acq On : 18 Nov 2024 19:49
Operator : RP/MD
Sample : P4860-08
Misc : 6.33G/5ml/MSVOA_D/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080079.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	19	26	42	rVB	406384	682944	69.23%	11.158%
2	4.799	535	546	556	rBV	9596	29221	2.96%	0.477%
3	7.804	1047	1057	1063	rBV	156976	382894	38.82%	6.256%
4	7.875	1063	1069	1083	rVB	247937	572234	58.01%	9.350%
5	8.228	1120	1129	1143	rBV	118457	272604	27.64%	4.454%
6	8.775	1214	1222	1235	rBV	362449	750274	76.06%	12.258%
7	10.269	1468	1476	1487	rBV	558920	986425	100.00%	16.117%
8	10.657	1537	1542	1551	rVB3	6825	12831	1.30%	0.210%
9	11.581	1691	1699	1712	rBV	520107	886351	89.85%	14.482%
10	12.575	1861	1868	1877	rBV	388018	645264	65.41%	10.543%
11	13.516	2020	2028	2035	rBV	511983	808726	81.99%	13.214%
12	14.045	2112	2118	2126	rVB2	57654	90675	9.19%	1.482%

Sum of corrected areas: 6120443

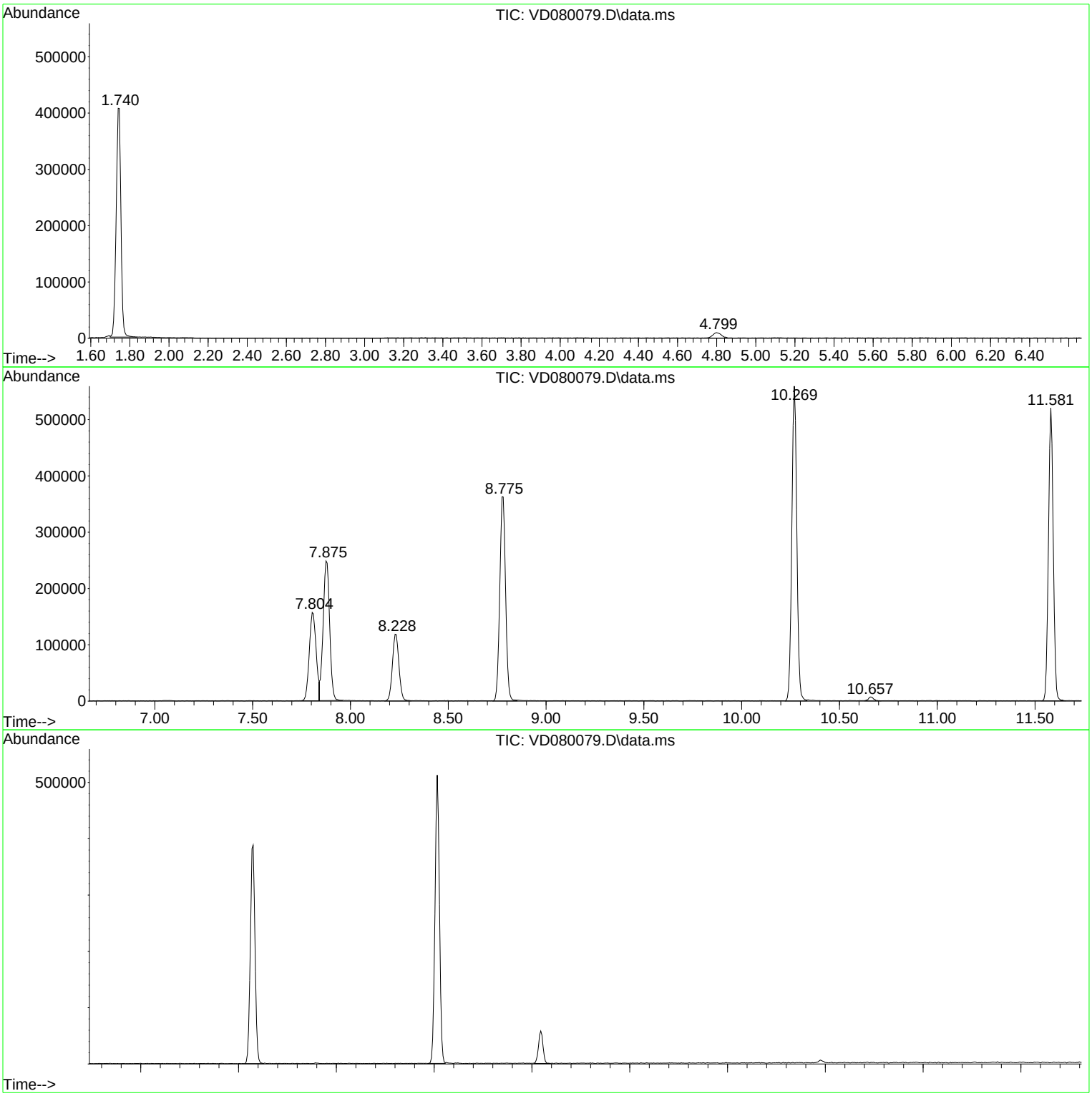
Sample Results: **VD080079.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080079.D
Acq On : 18 Nov 2024 19:49
Operator : RP/MD
Sample : P4860-08
Misc : 6.33G/5ml/MSVOA_D/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080079.D
Acq On : 18 Nov 2024 19:49
Operator : RP/MD
Sample : P4860-08
Misc : 6.33G/5ml/MSVOA_D/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080079.D
Acq On : 18 Nov 2024 19:49
Operator : RP/MD
Sample : P4860-08
Misc : 6.33G/5ml/MSVOA_D/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020390.D
Acq On : 21 Nov 2024 16:30
Operator : SY/MD
Sample : P4860-09
Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

Quant Time: Nov 22 00:26:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	140871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	273565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	262252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	106466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	92933	57.421	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.840%			
35) Dibromofluoromethane	7.634	113	88559	50.485	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.960%			
50) Toluene-d8	10.103	98	333481	48.260	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.520%			
62) 4-Bromofluorobenzene	12.408	95	116929	52.638	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 105.280%			

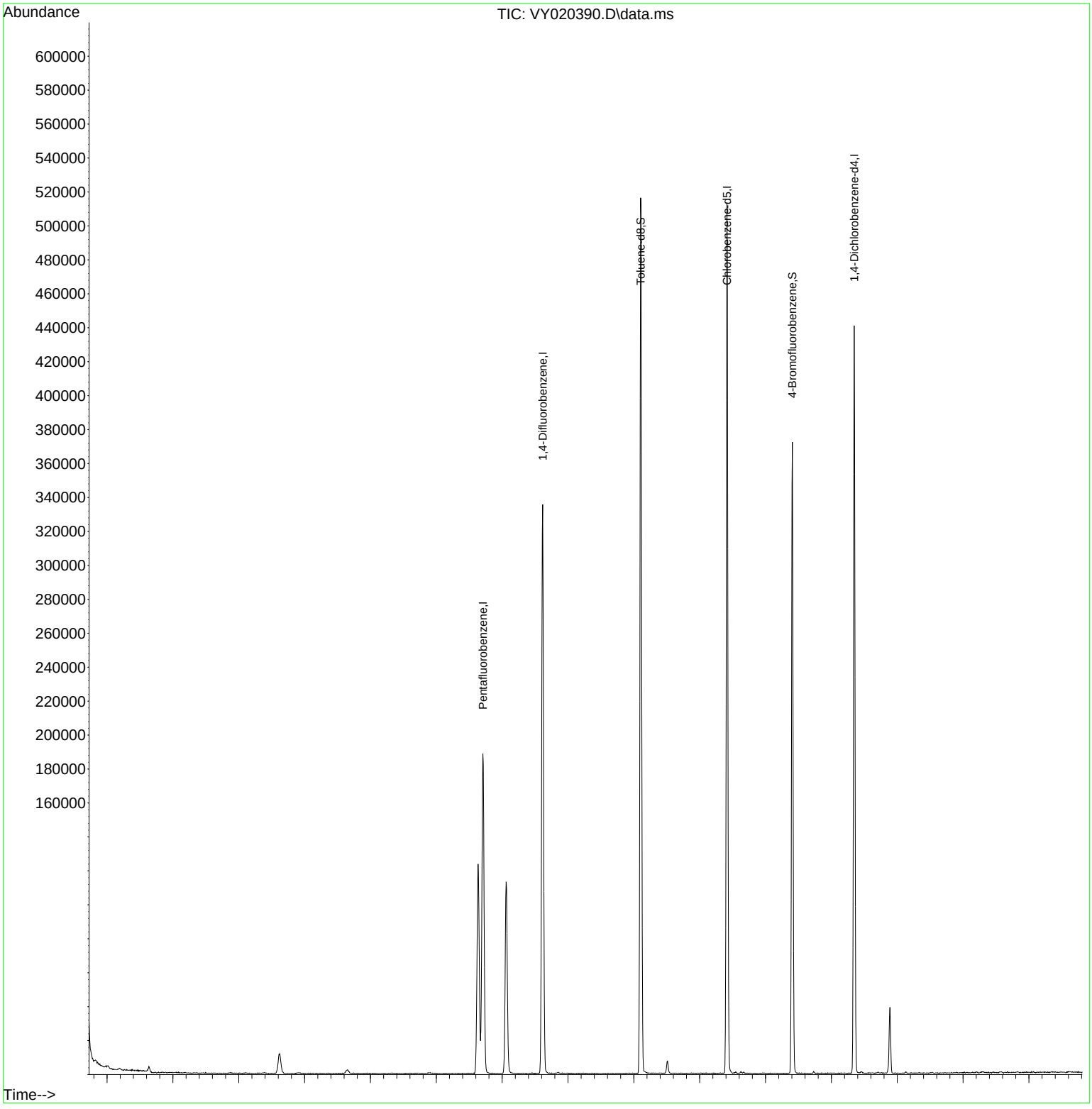
Target Compounds Qvalue

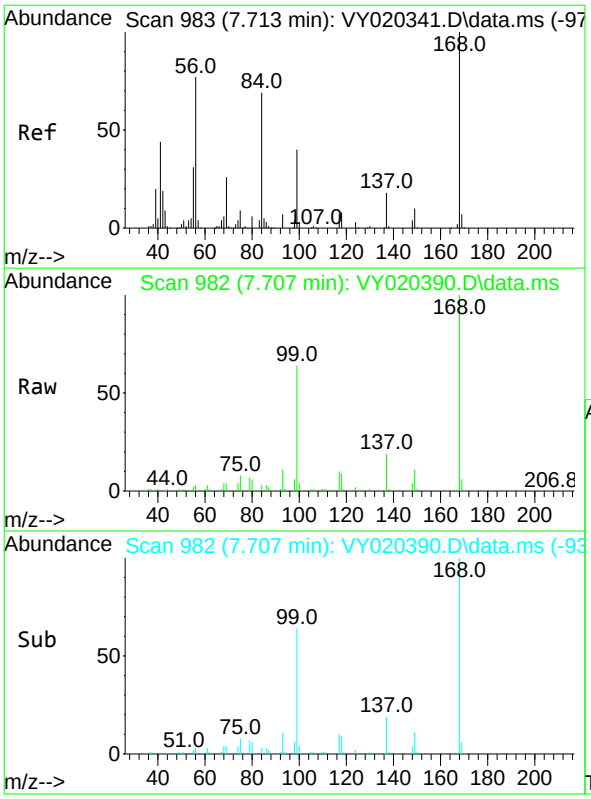
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020390.D
Acq On : 21 Nov 2024 16:30
Operator : SY/MD
Sample : P4860-09
Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

Quant Time: Nov 22 00:26:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



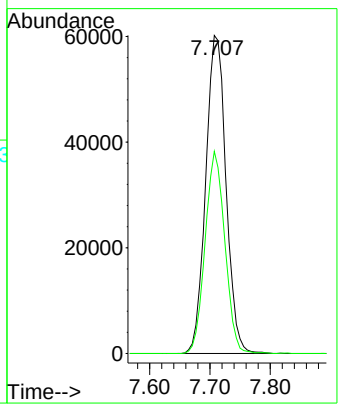


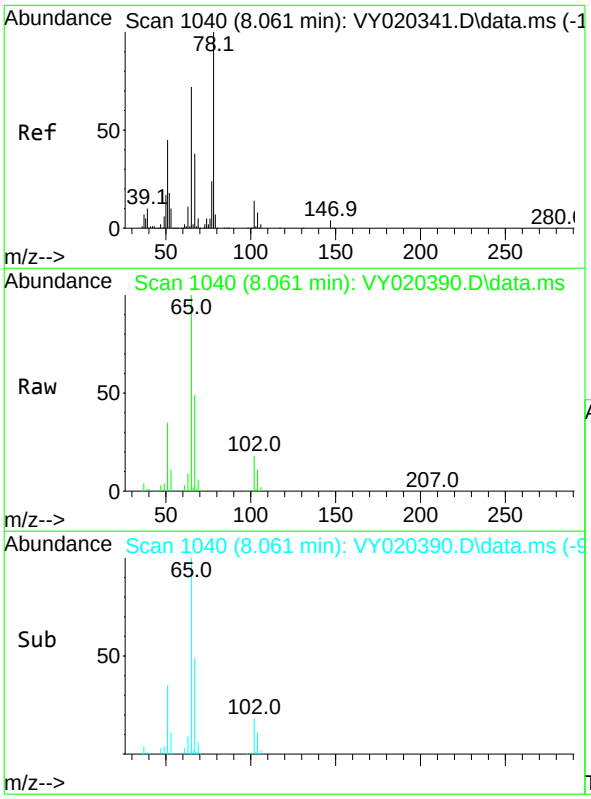
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

Tgt Ion:168 Resp: 140871

Ion	Ratio	Lower	Upper
168	100		
99	63.5	46.6	69.8

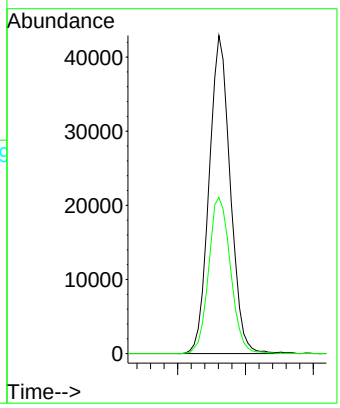


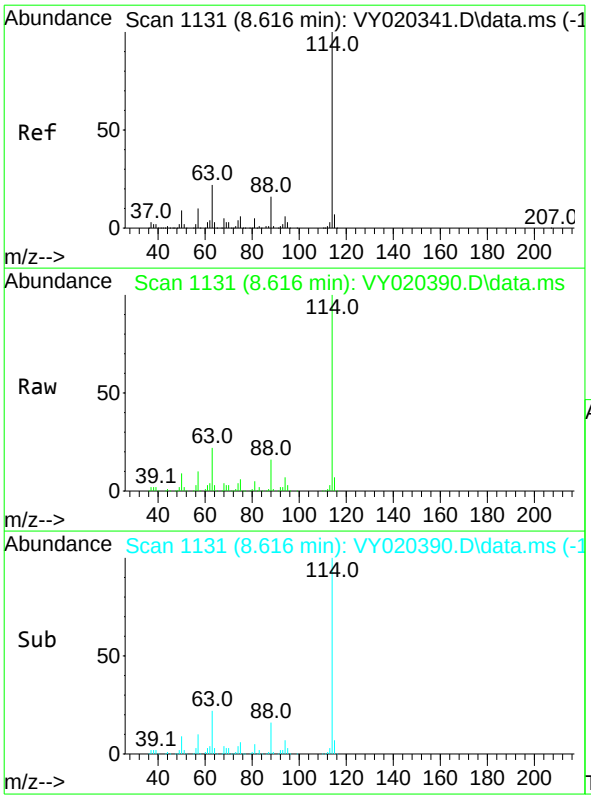


#33
1,2-Dichloroethane-d4
Concen: 57.421 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Tgt Ion: 65 Resp: 92933

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	105.8



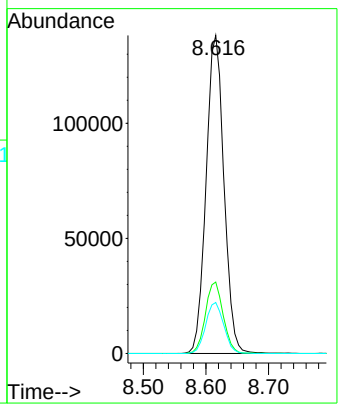


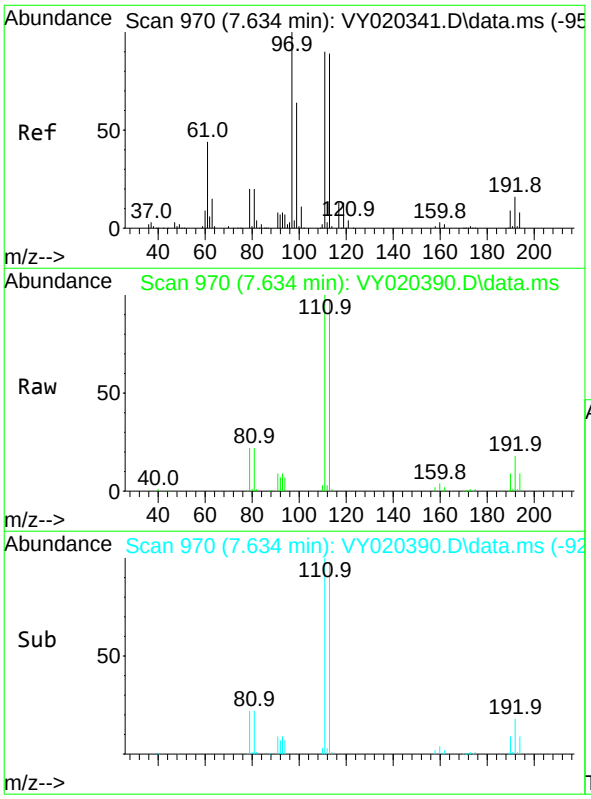
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

Tgt Ion:114 Resp: 273565

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.8
88	16.0	0.0	32.0

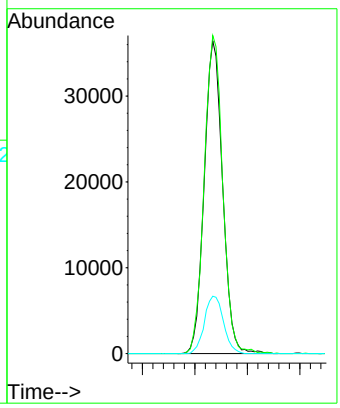


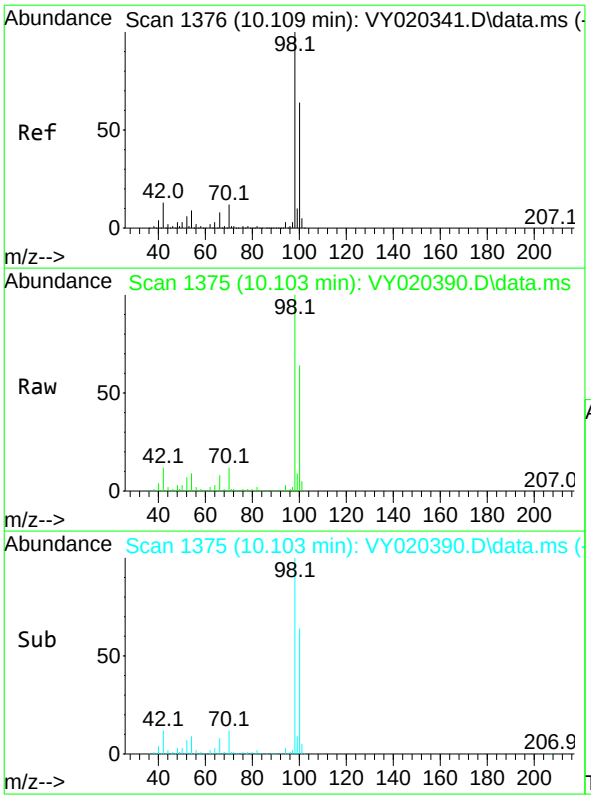


#35
Dibromofluoromethane
Concen: 50.485 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Tgt Ion:113 Resp: 88559

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	19.1	15.1	22.7



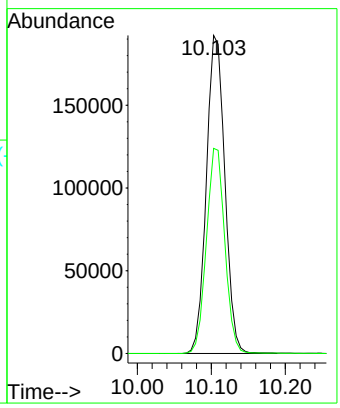


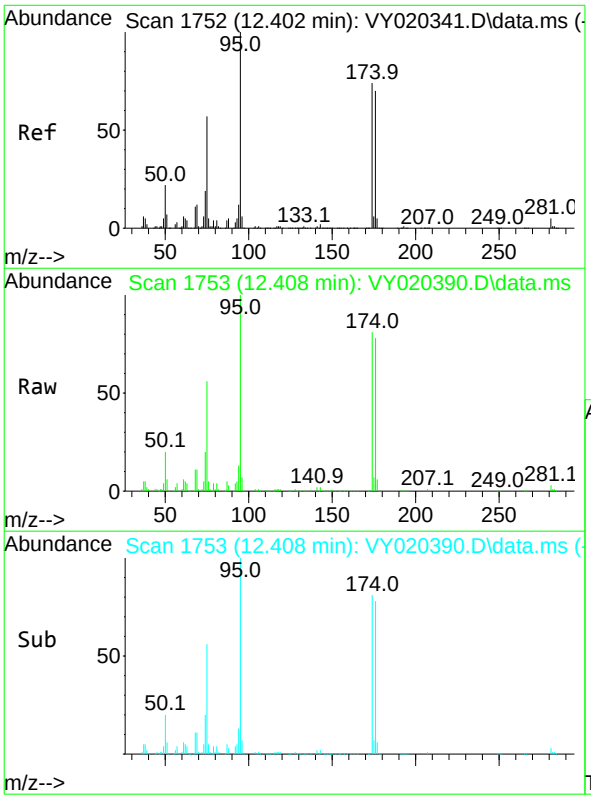
#50
Toluene-d8
Concen: 48.260 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

Tgt Ion: 98 Resp: 333481

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.3	76.9

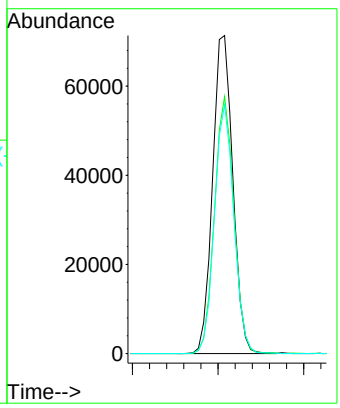




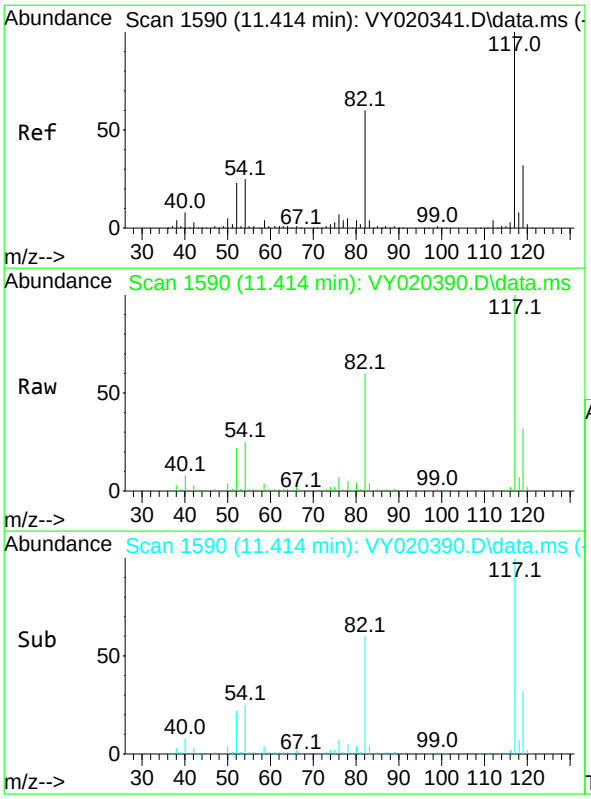
#62
4-Bromofluorobenzene
Concen: 52.638 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Tgt Ion: 95 Resp: 116929

Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	156.8
176	75.2	0.0	152.0



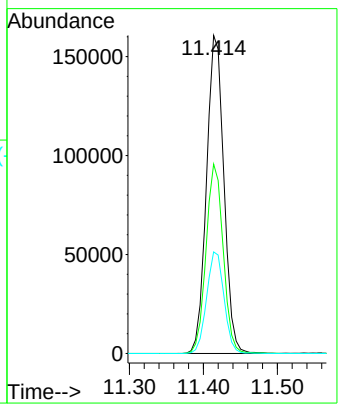
Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

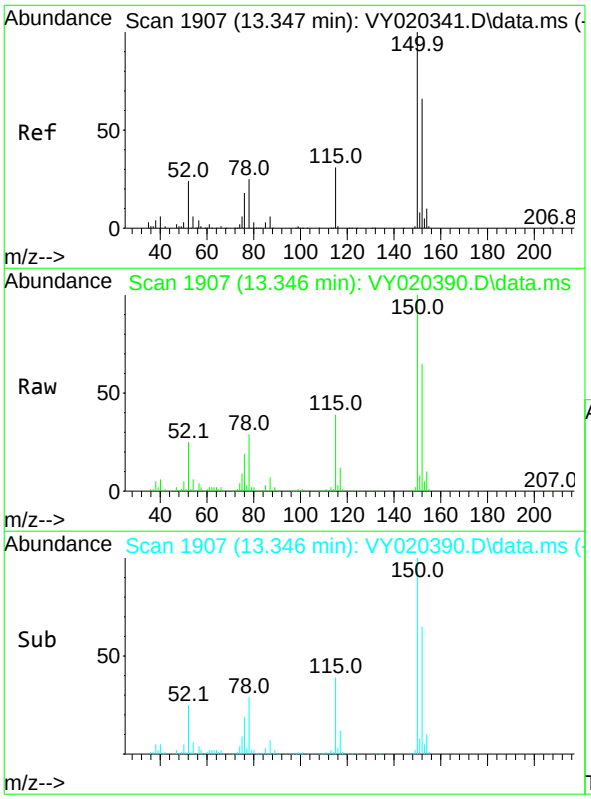


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Tgt Ion:117 Resp: 262252

Ion	Ratio	Lower	Upper
117	100		
82	59.6	48.2	72.4
119	31.9	25.8	38.8

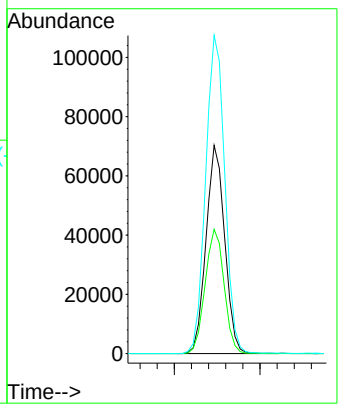




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Tgt Ion:152 Resp: 106466

Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.0	90.0
150	156.6	0.0	348.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020390.D
Acq On : 21 Nov 2024 16:30
Operator : SY/MD
Sample : P4860-09
Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020390.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	465	476	487	rBV2	11568	34997	3.89%	0.733%
2	7.634	961	970	976	rBV	123534	298051	33.13%	6.246%
3	7.707	976	982	999	rVB	188575	437911	48.68%	9.177%
4	8.061	1030	1040	1055	rBV	112877	251896	28.00%	5.279%
5	8.616	1121	1131	1145	rBV	335278	662855	73.69%	13.891%
6	10.103	1368	1375	1385	rBV	516009	899509	100.00%	18.850%
7	10.512	1434	1442	1451	rVB3	7289	13785	1.53%	0.289%
8	11.414	1583	1590	1604	rVB	513018	827880	92.04%	17.349%
9	12.408	1746	1753	1765	rVB	371933	605181	67.28%	12.682%
10	13.346	1899	1907	1917	rBV	440698	675925	75.14%	14.165%
11	13.889	1988	1996	2003	rVB	38797	63866	7.10%	1.338%

Sum of corrected areas: 4771856

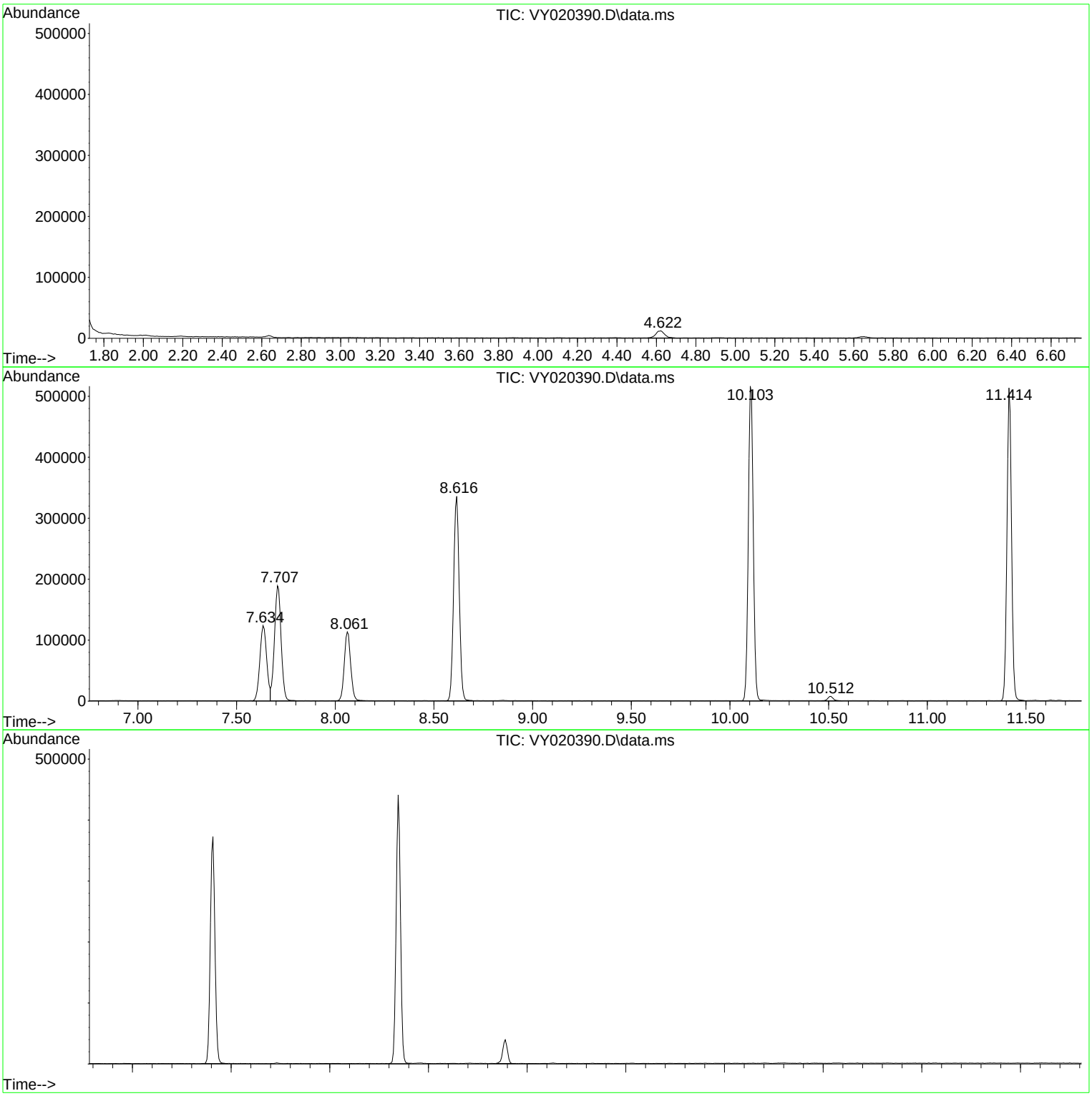
Sample Results: **VY020390.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020390.D
Acq On : 21 Nov 2024 16:30
Operator : SY/MD
Sample : P4860-09
Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020390.D
Acq On : 21 Nov 2024 16:30
Operator : SY/MD
Sample : P4860-09
Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020390.D
Acq On : 21 Nov 2024 16:30
Operator : SY/MD
Sample : P4860-09
Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020389.D
Acq On : 21 Nov 2024 16:06
Operator : SY/MD
Sample : P4860-10
Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Quant Time: Nov 22 00:26:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

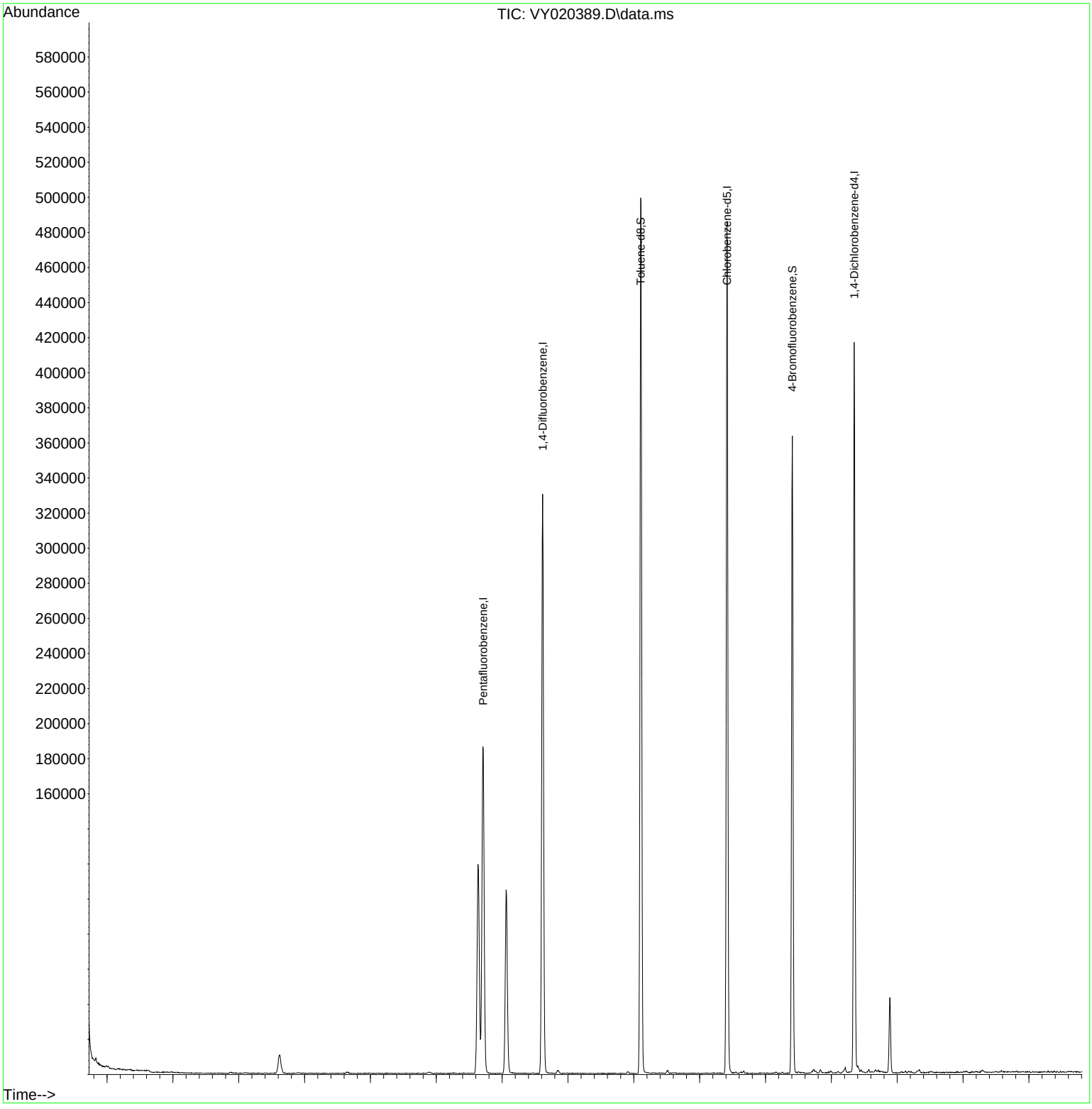
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	140636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	270374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	252016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	101642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85018	52.618	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.240%			
35) Dibromofluoromethane	7.640	113	84394	48.678	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.360%			
50) Toluene-d8	10.103	98	327171	47.906	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.820%			
62) 4-Bromofluorobenzene	12.408	95	110710	50.427	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 100.860%			
Target Compounds						Qvalue

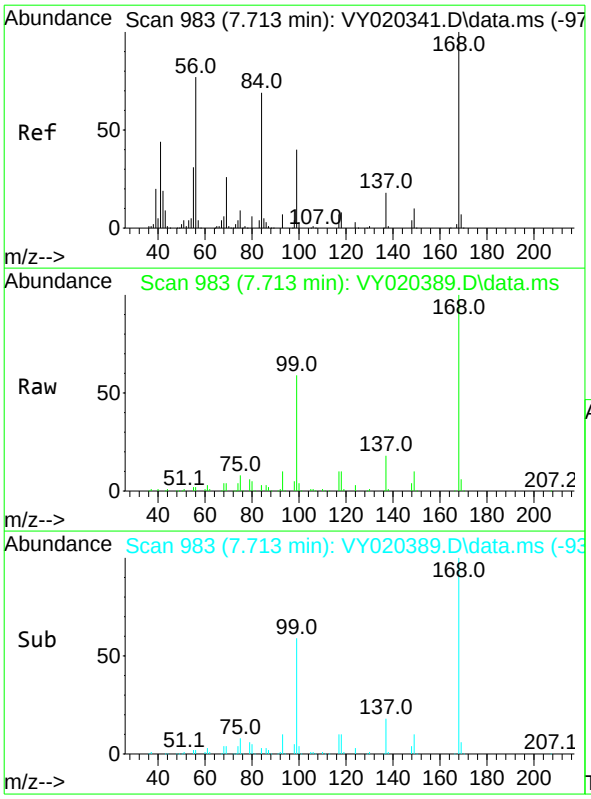
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020389.D
Acq On : 21 Nov 2024 16:06
Operator : SY/MD
Sample : P4860-10
Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Quant Time: Nov 22 00:26:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



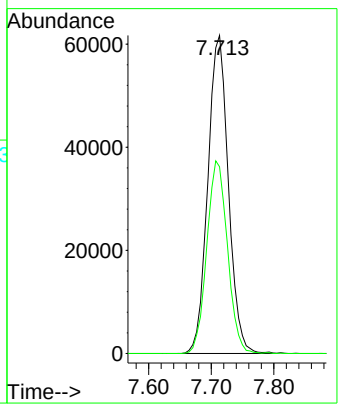


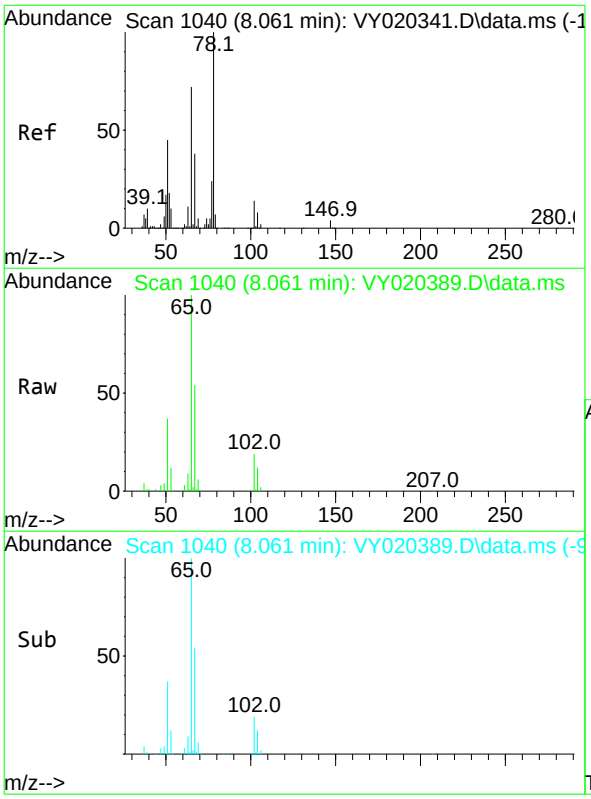
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Tgt Ion:168 Resp: 140636

Ion	Ratio	Lower	Upper
168	100		
99	58.7	46.6	69.8

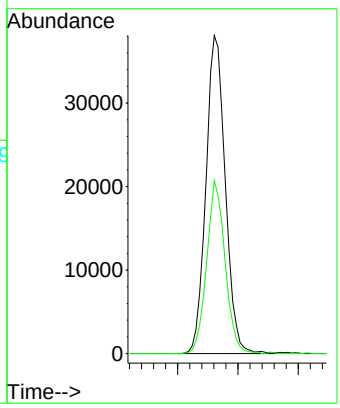


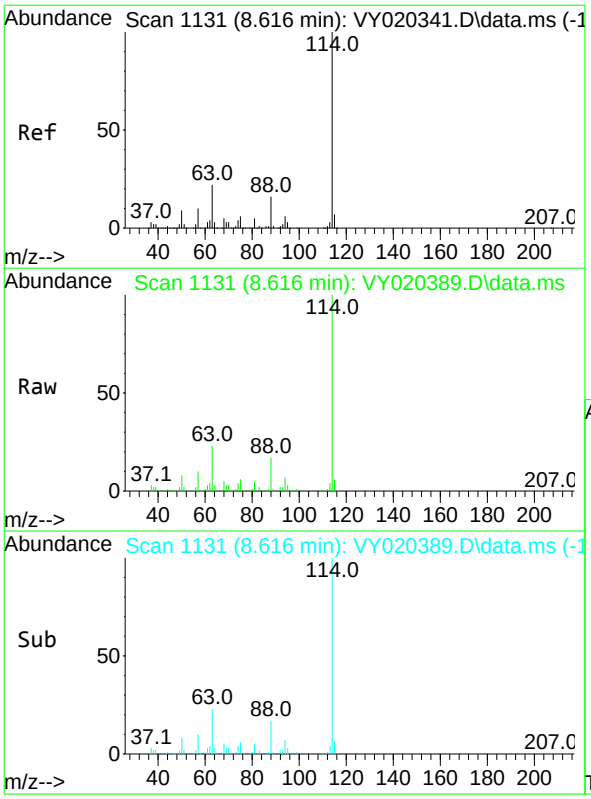


#33
1,2-Dichloroethane-d4
Concen: 52.618 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Tgt Ion: 65 Resp: 85018

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.8



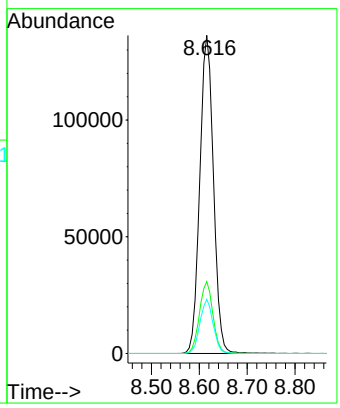


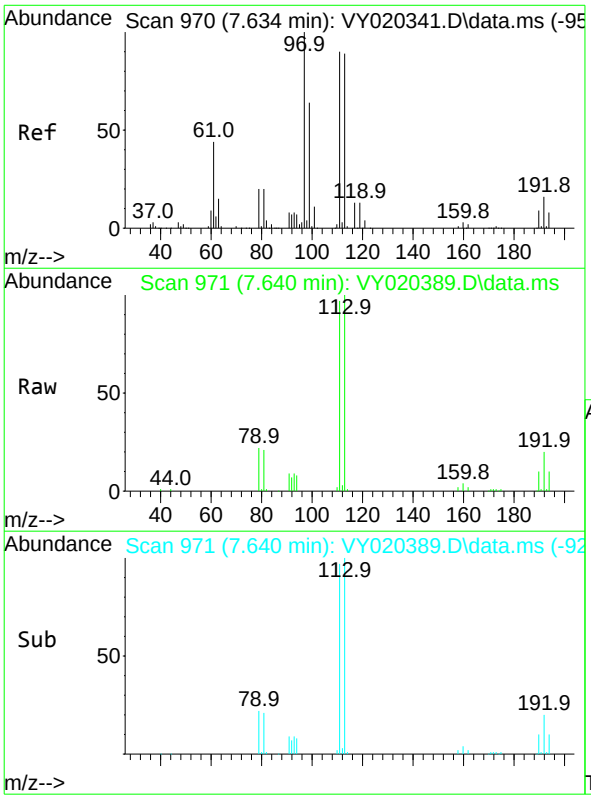
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Tgt Ion:114 Resp: 270374

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	44.8
88	17.0	0.0	32.0

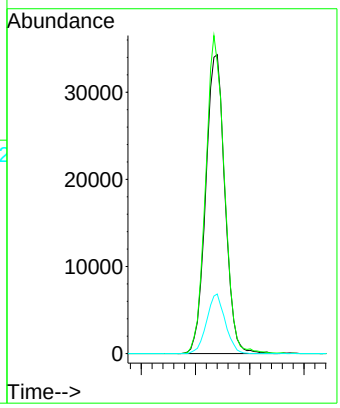


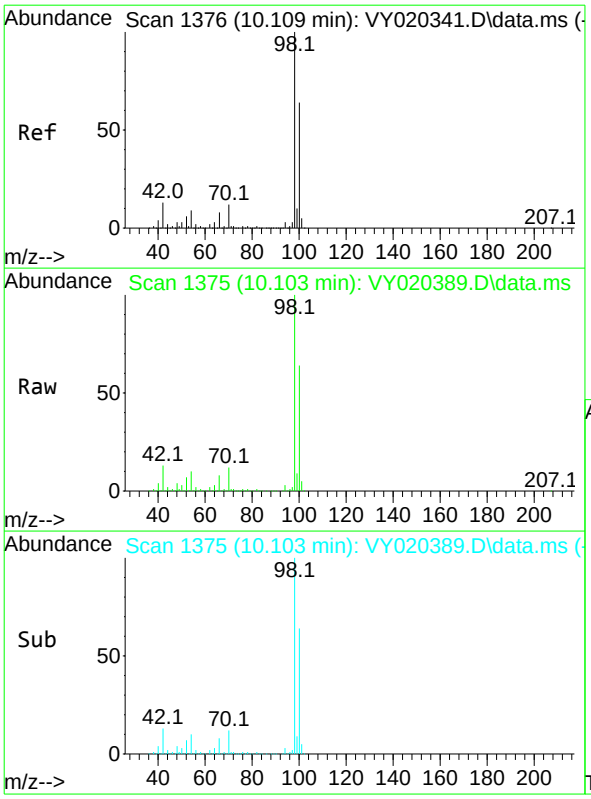


#35
Dibromofluoromethane
Concen: 48.678 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Tgt Ion:113 Resp: 84394

Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.4	122.0
192	19.3	15.1	22.7



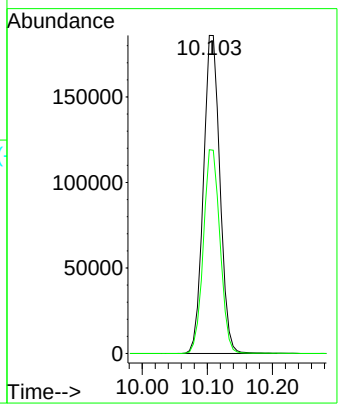


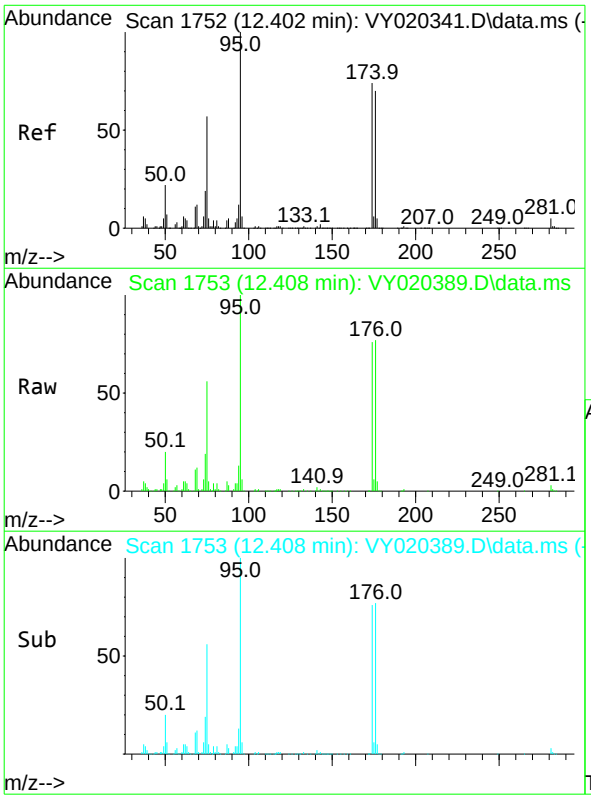
#50
Toluene-d8
Concen: 47.906 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Tgt Ion: 98 Resp: 327171

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.3	76.9

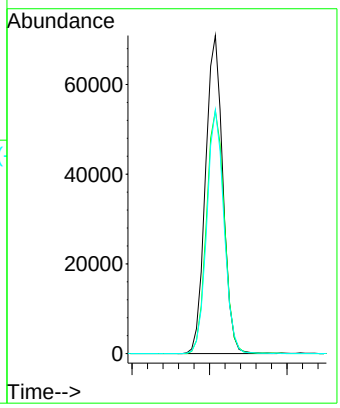


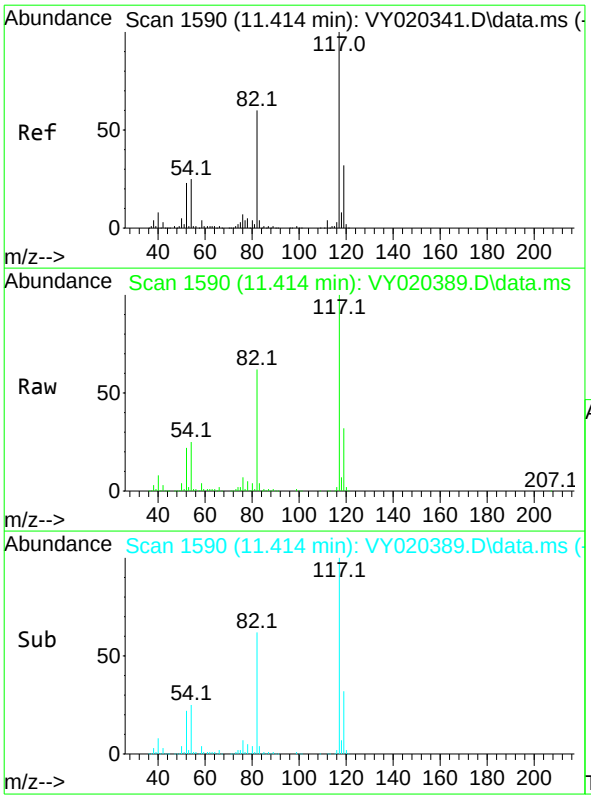


#62
4-Bromofluorobenzene
Concen: 50.427 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Tgt Ion: 95 Resp: 110710

Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	156.8
176	75.3	0.0	152.0



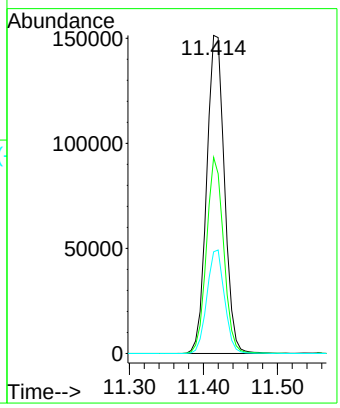


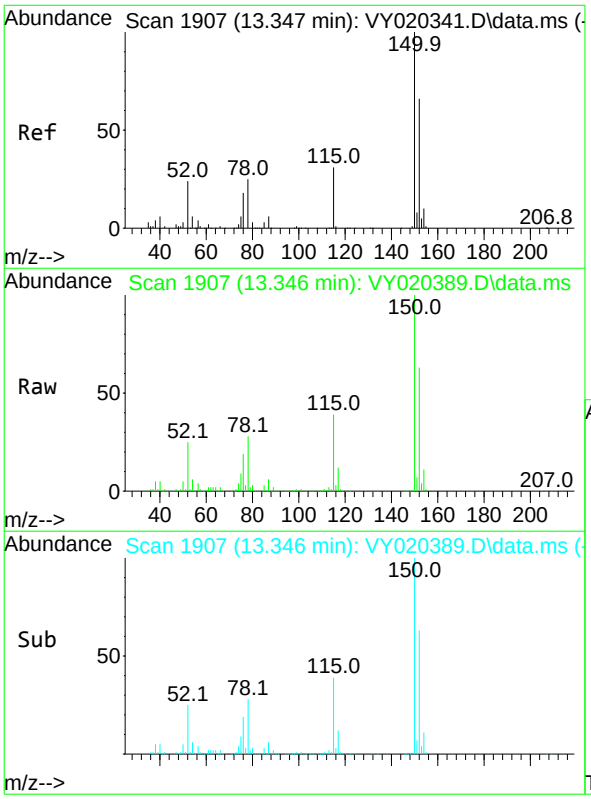
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Tgt Ion:117 Resp: 252016

Ion	Ratio	Lower	Upper
117	100		
82	61.7	48.2	72.4
119	32.0	25.8	38.8

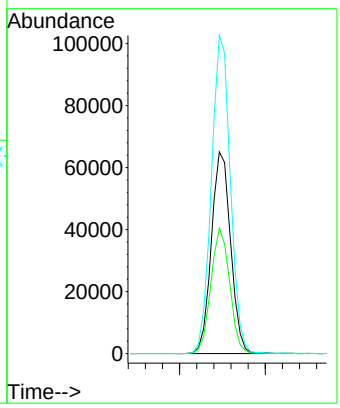




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Tgt Ion:152 Resp: 101642

Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.0	90.0
150	155.2	0.0	348.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020389.D
Acq On : 21 Nov 2024 16:06
Operator : SY/MD
Sample : P4860-10
Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020389.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	466	476	488	rBV3	10487	32035	3.63%	0.695%
2	7.634	958	970	976	rBV	119173	287111	32.55%	6.230%
3	7.707	976	982	995	rVB	185860	434380	49.24%	9.425%
4	8.061	1030	1040	1053	rBV	104608	229352	26.00%	4.977%
5	8.616	1122	1131	1142	rBV	330284	652998	74.03%	14.169%
6	10.103	1368	1375	1386	rBV	499068	882098	100.00%	19.140%
7	11.414	1583	1590	1603	rBV	485330	799502	90.64%	17.348%
8	12.408	1746	1753	1762	rBV	363271	578759	65.61%	12.558%
9	13.346	1897	1907	1914	rBV	416173	643431	72.94%	13.961%
10	13.889	1988	1996	2004	rVB	43008	68956	7.82%	1.496%

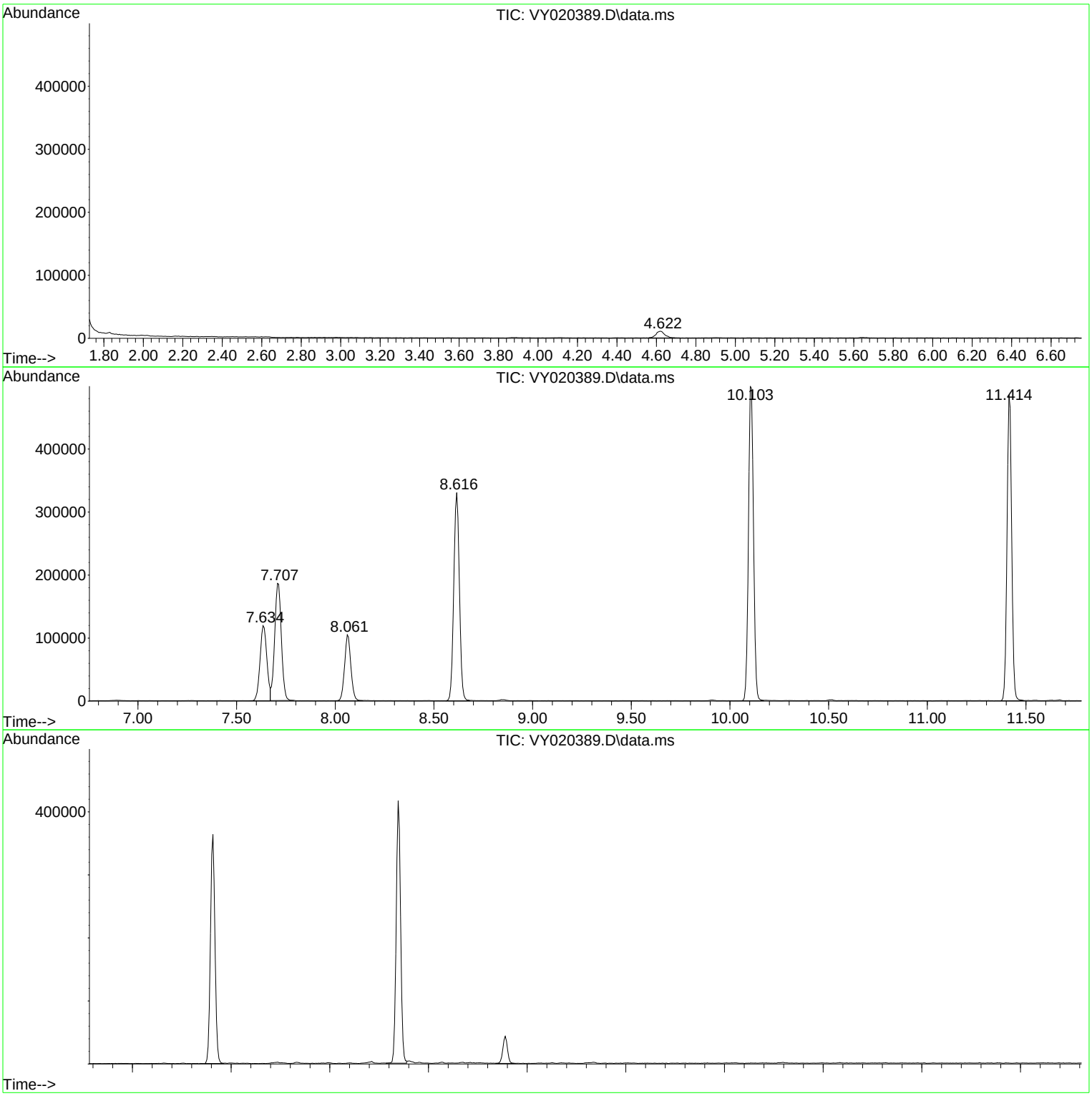
Sum of corrected areas: 4608622

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020389.D
Acq On : 21 Nov 2024 16:06
Operator : SY/MD
Sample : P4860-10
Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020389.D
Acq On : 21 Nov 2024 16:06
Operator : SY/MD
Sample : P4860-10
Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020389.D
Acq On : 21 Nov 2024 16:06
Operator : SY/MD
Sample : P4860-10
Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080059.D
Acq On : 18 Nov 2024 10:27
Operator : RP/MD
Sample : VD1118SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Quant Time: Nov 19 04:43:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	175706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	294729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	273326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	122131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89573	49.513	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.020%		
35) Dibromofluoromethane	7.804	113	95998	48.941	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.880%		
50) Toluene-d8	10.269	98	328392	44.420	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.840%		
62) 4-Bromofluorobenzene	12.575	95	99895	41.185	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.360%		

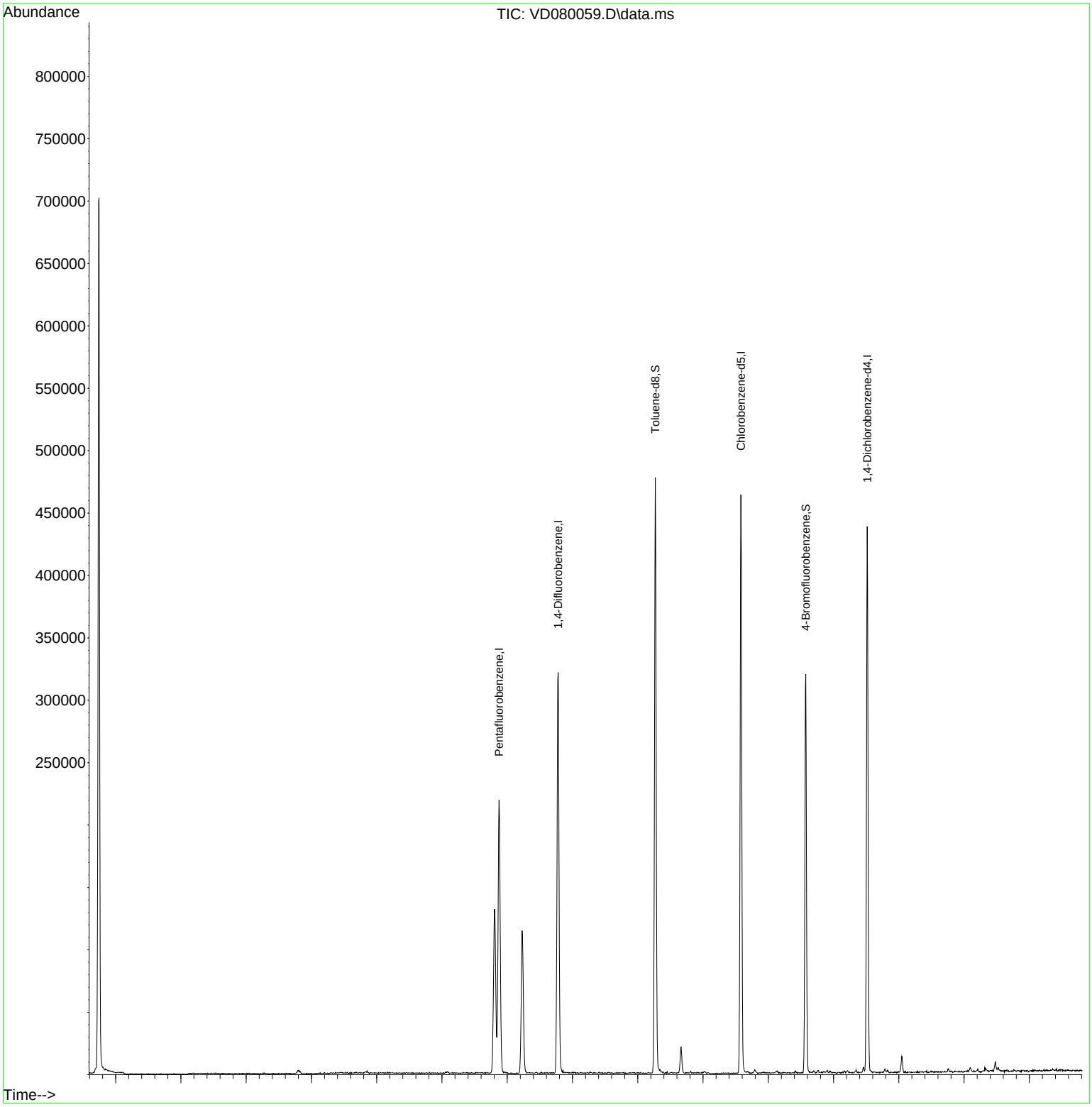
Target Compounds Qvalue

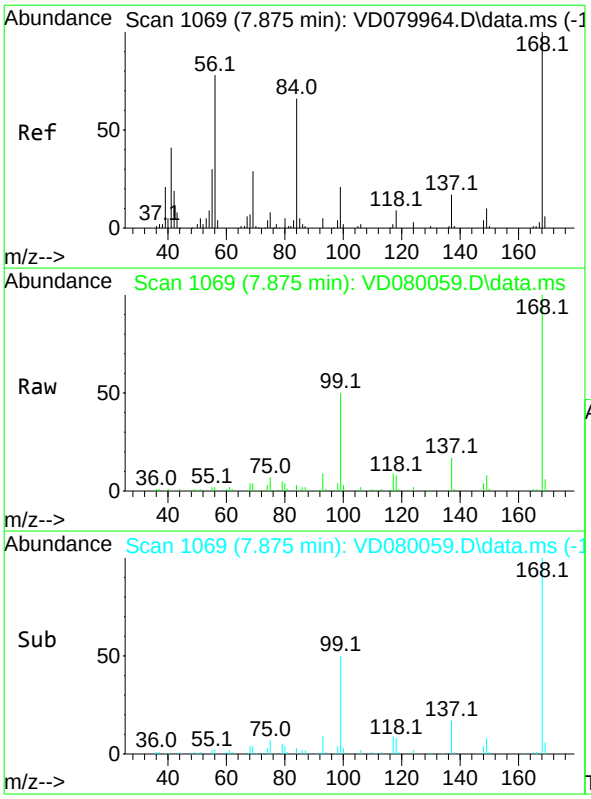
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080059.D
Acq On : 18 Nov 2024 10:27
Operator : RP/MD
Sample : VD1118SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Quant Time: Nov 19 04:43:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



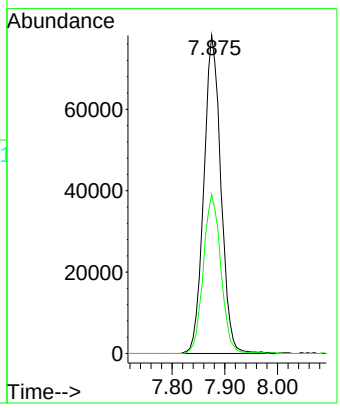


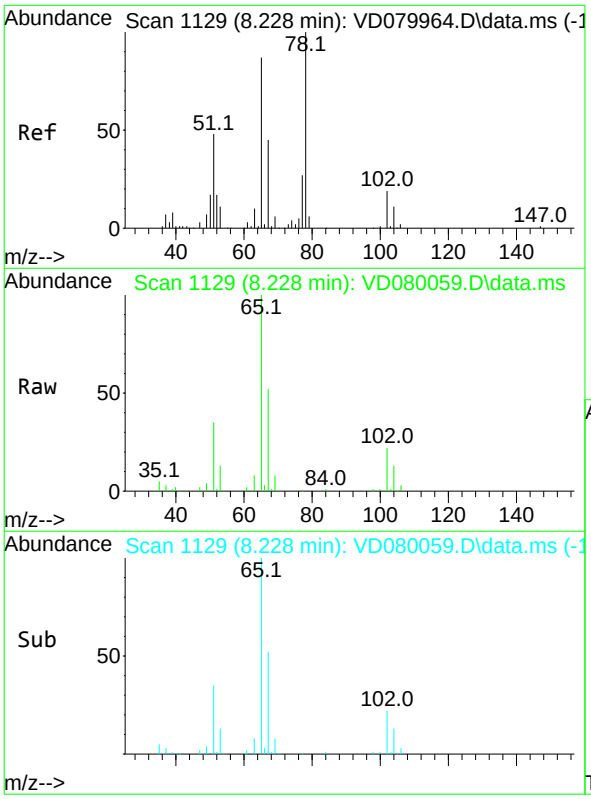
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Tgt Ion:168 Resp: 175706

Ion	Ratio	Lower	Upper
168	100		
99	50.0	46.0	69.0

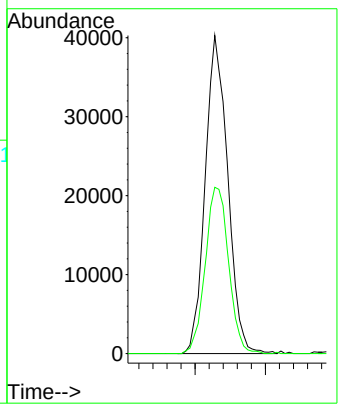




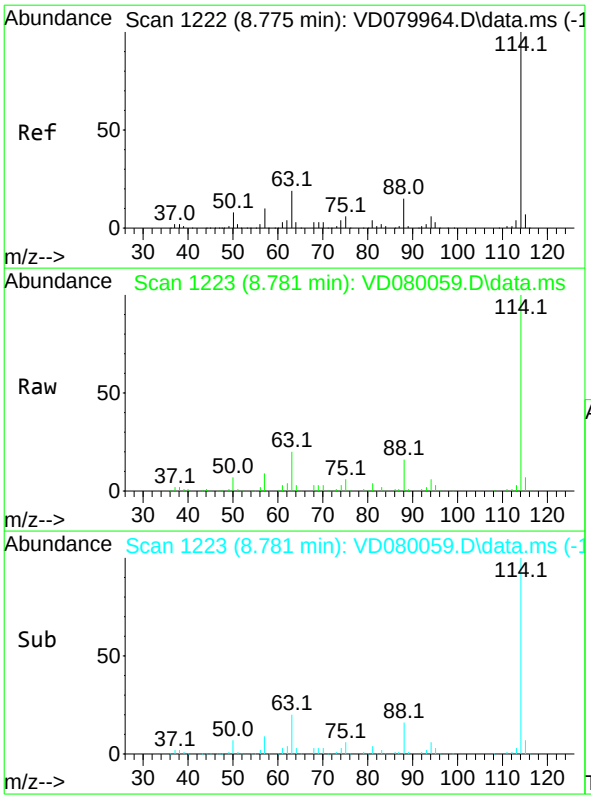
#33
1,2-Dichloroethane-d4
Concen: 49.513 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Tgt Ion: 65 Resp: 89573

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	109.2



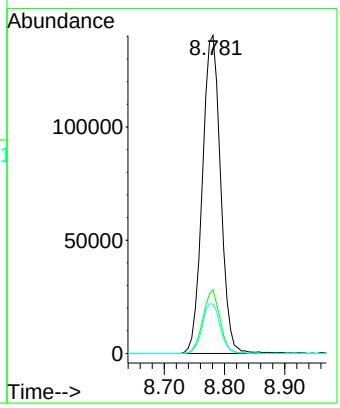
Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

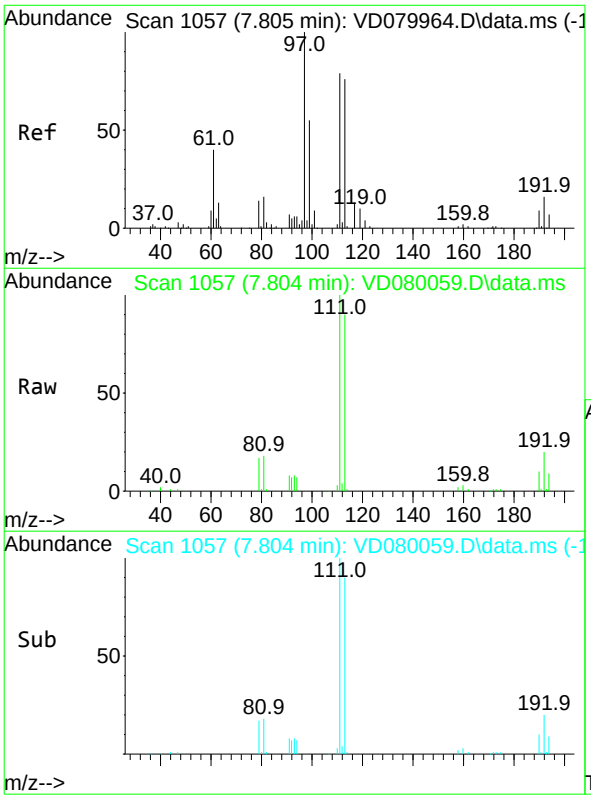


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Tgt Ion:114 Resp: 294729

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	38.8
88	15.5	0.0	30.6

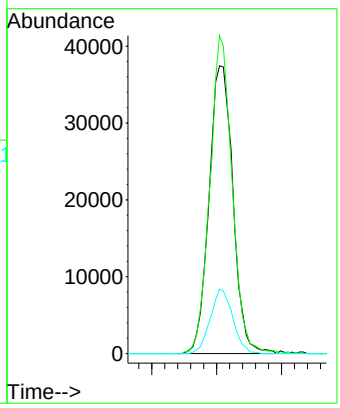




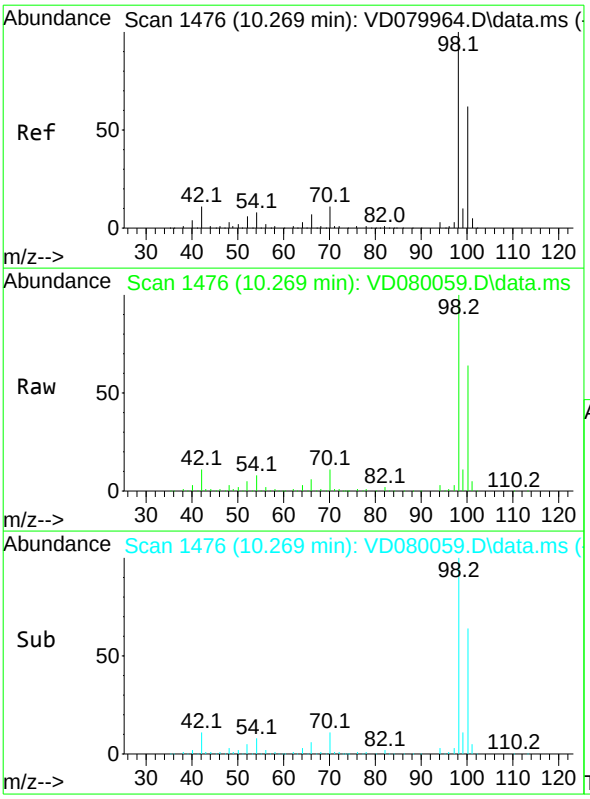
#35
Dibromofluoromethane
Concen: 48.941 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Tgt Ion:113 Resp: 95998

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.5	123.7
192	21.1	16.6	25.0



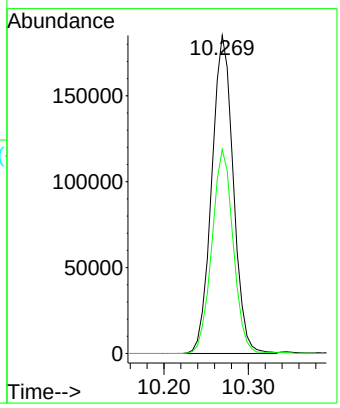
Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

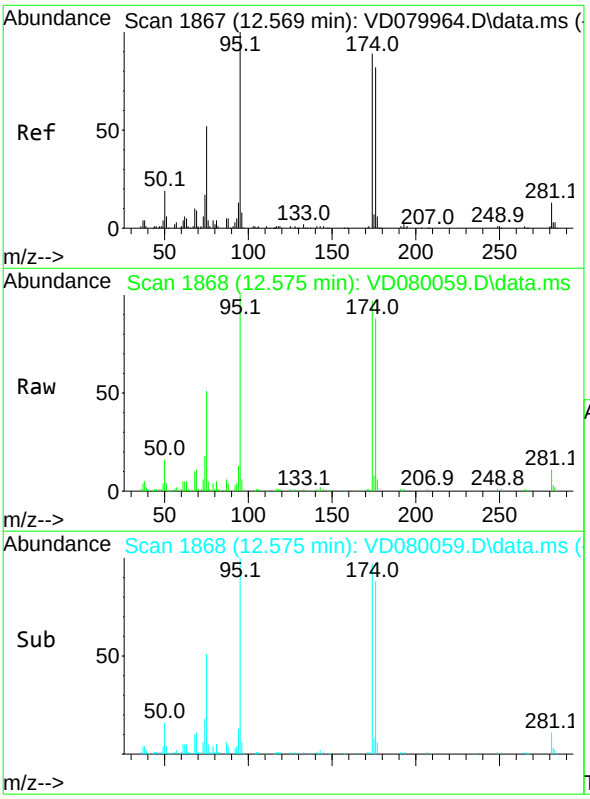


#50
Toluene-d8
Concen: 44.420 ug/l
RT: 10.269 min Scan# 14
Delta R.T. 0.000 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Tgt Ion: 98 Resp: 328392

Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.2	75.4

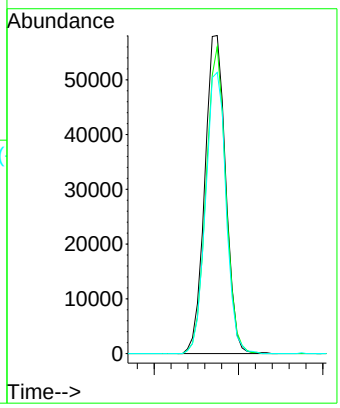


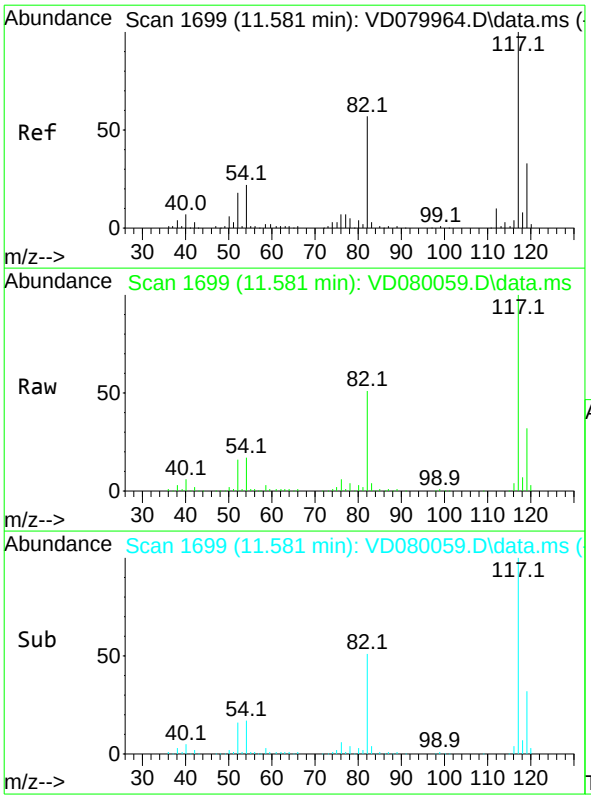


#62
4-Bromofluorobenzene
Concen: 41.185 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Tgt Ion: 95 Resp: 99895

Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	173.4
176	86.6	0.0	166.6



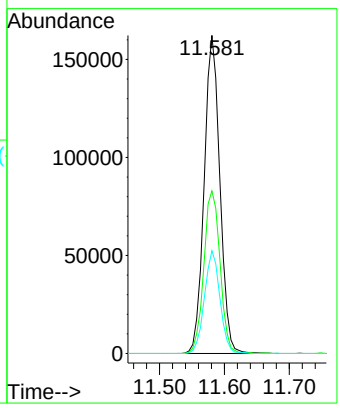


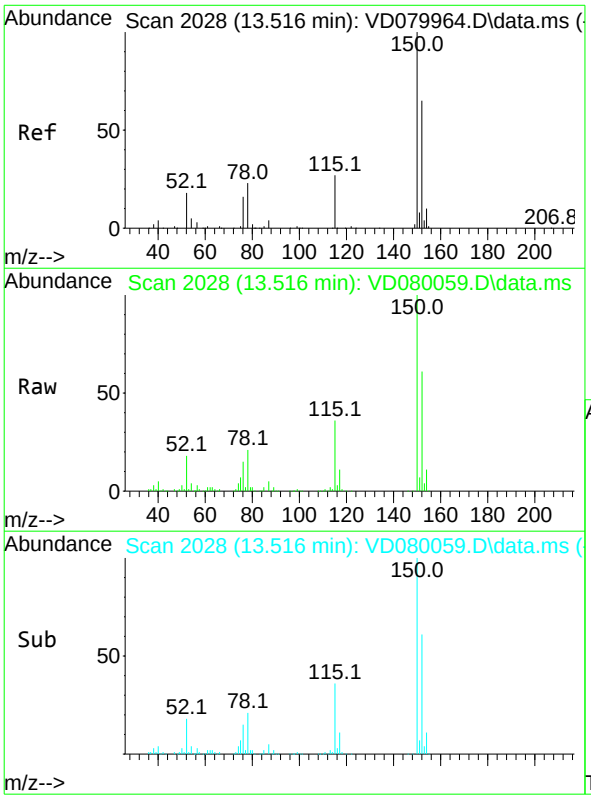
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 16
Delta R.T. -0.000 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Tgt Ion:117 Resp: 273326

Ion	Ratio	Lower	Upper
117	100		
82	51.1	45.8	68.6
119	32.3	26.2	39.2

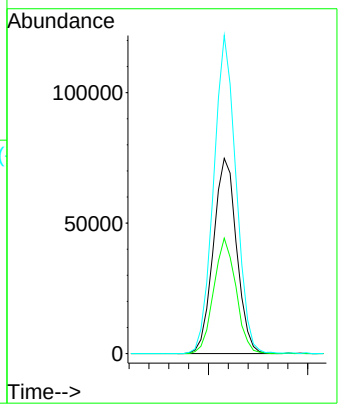




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Tgt Ion:152 Resp: 122131

Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.9	86.8
150	156.9	0.0	354.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080059.D
Acq On : 18 Nov 2024 10:27
Operator : RP/MD
Sample : VD1118SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080059.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.746	19	27	37	rBV	697362	1120192	100.00%	19.234%
2	7.804	1046	1057	1063	rBV	131431	319677	28.54%	5.489%
3	7.875	1063	1069	1081	rVB	218603	499658	44.60%	8.579%
4	8.228	1120	1129	1139	rBV2	114221	257654	23.00%	4.424%
5	8.781	1213	1223	1234	rBV	321152	670848	59.89%	11.519%
6	10.269	1467	1476	1487	rBV	477239	847680	75.67%	14.555%
7	10.663	1537	1543	1553	rVB2	21312	38245	3.41%	0.657%
8	11.581	1691	1699	1710	rBV	463672	794131	70.89%	13.635%
9	12.575	1861	1868	1875	rBV	319151	533516	47.63%	9.161%
10	13.516	2021	2028	2035	rBV	436399	707754	63.18%	12.152%
11	14.045	2111	2118	2124	rVB2	13225	22016	1.97%	0.378%
12	15.481	2357	2362	2366	rBV4	7654	12704	1.13%	0.218%

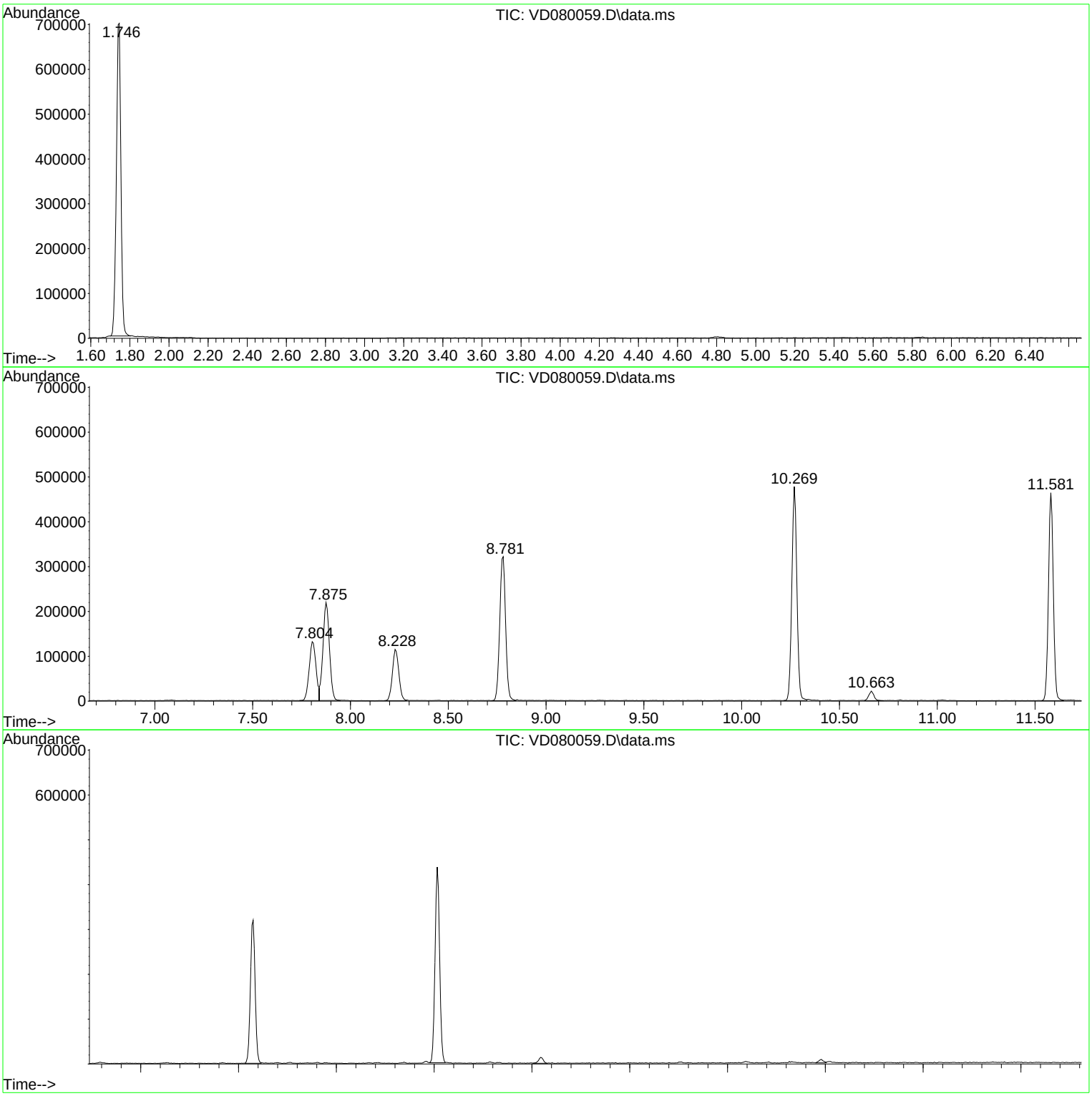
Sum of corrected areas: 5824075

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080059.D
Acq On : 18 Nov 2024 10:27
Operator : RP/MD
Sample : VD1118SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080059.D
Acq On : 18 Nov 2024 10:27
Operator : RP/MD
Sample : VD1118SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080059.D
Acq On : 18 Nov 2024 10:27
Operator : RP/MD
Sample : VD1118SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020348.D
Acq On : 20 Nov 2024 10:07
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Quant Time: Nov 21 00:42:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

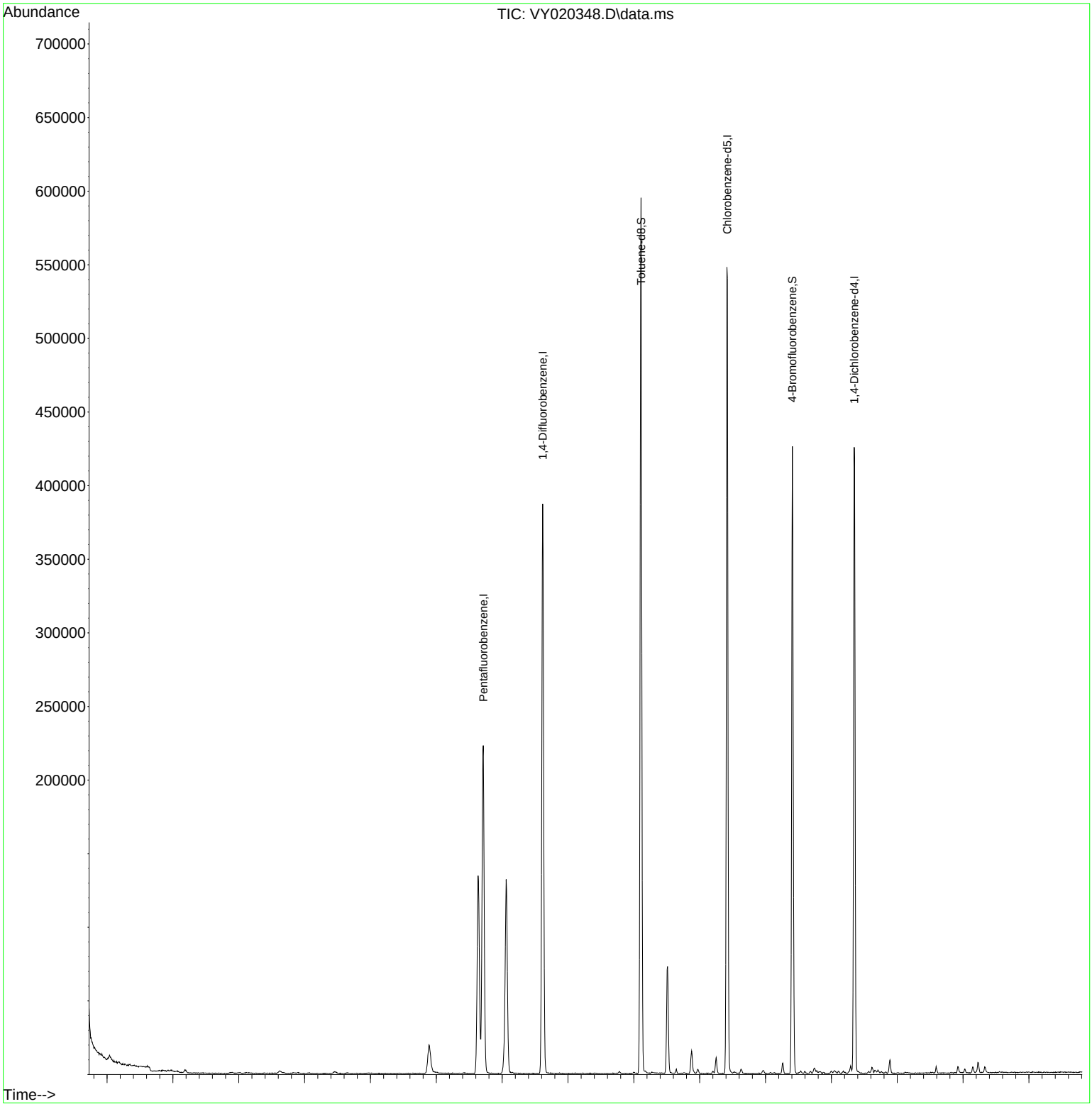
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	160712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	312610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	282610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	104132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98287	53.232	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.460%			
35) Dibromofluoromethane	7.634	113	96868	48.324	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.640%			
50) Toluene-d8	10.109	98	379920	48.113	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.220%			
62) 4-Bromofluorobenzene	12.408	95	122604	48.299	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.600%			
Target Compounds						Qvalue

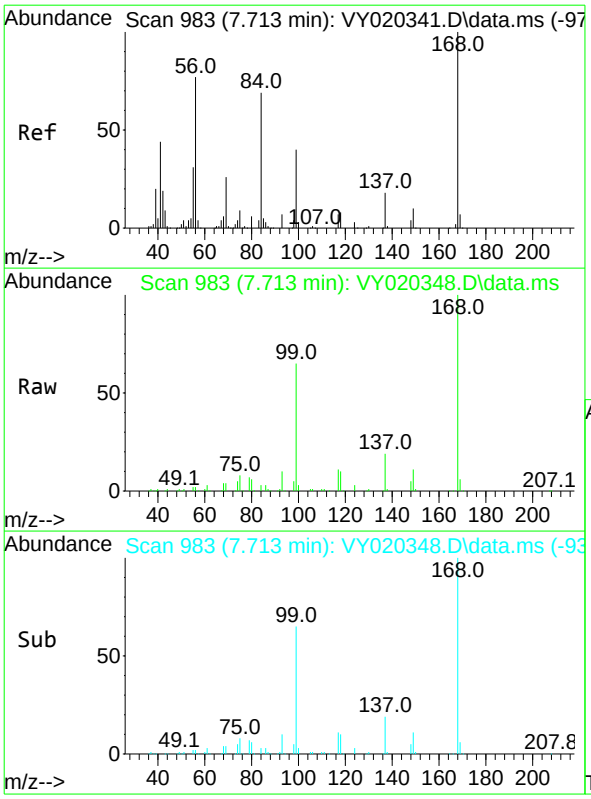
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020348.D
Acq On : 20 Nov 2024 10:07
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Quant Time: Nov 21 00:42:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



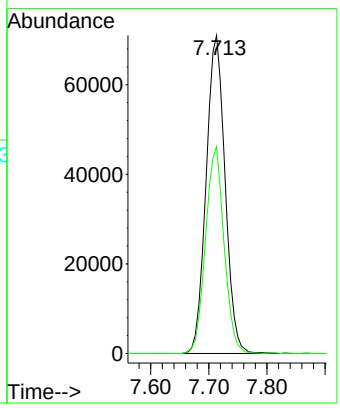


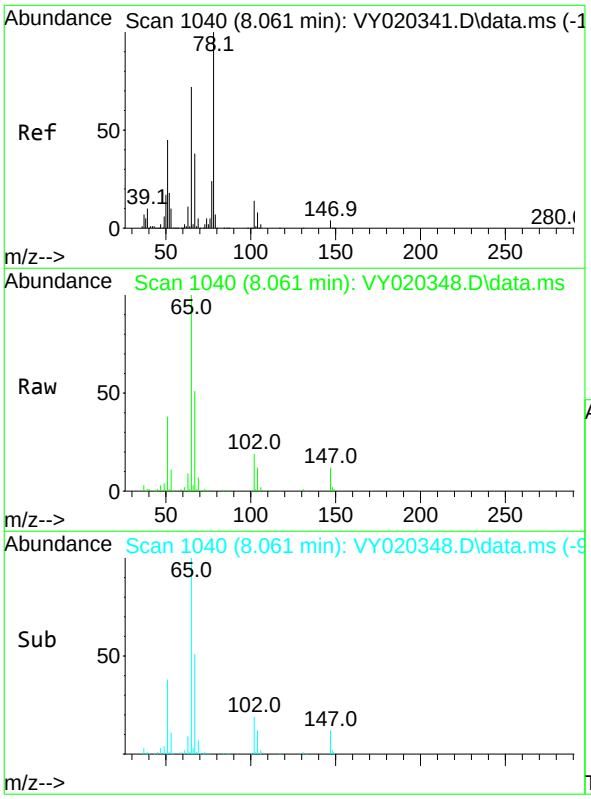
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Tgt Ion:168 Resp: 160712

Ion	Ratio	Lower	Upper
168	100		
99	65.0	46.6	69.8

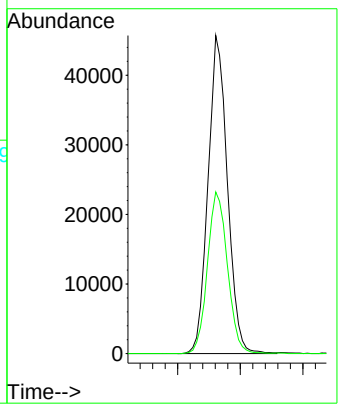


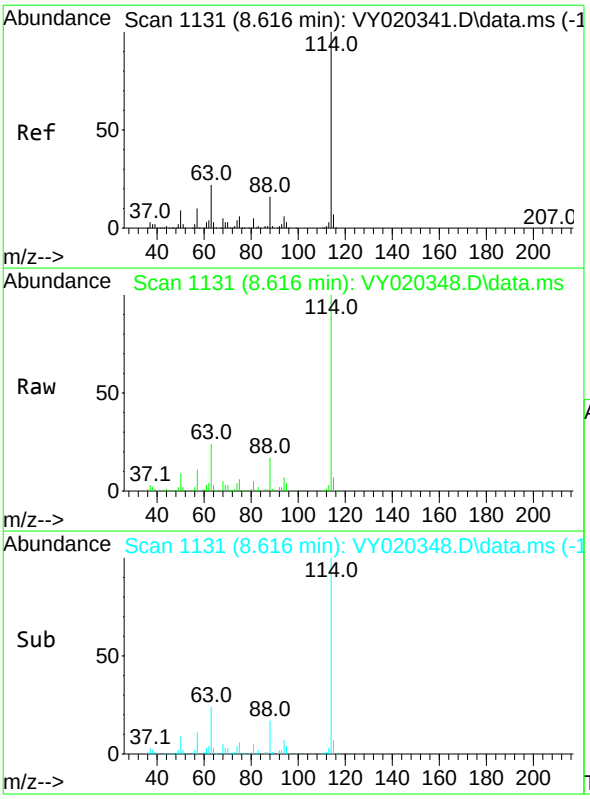


#33
1,2-Dichloroethane-d4
Concen: 53.232 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Tgt Ion: 65 Resp: 98287

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.8



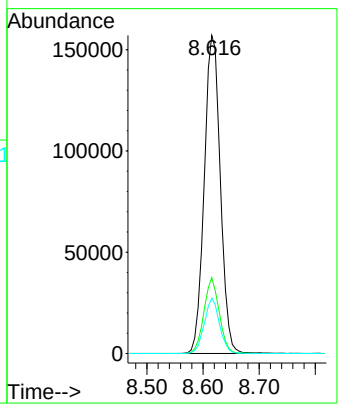


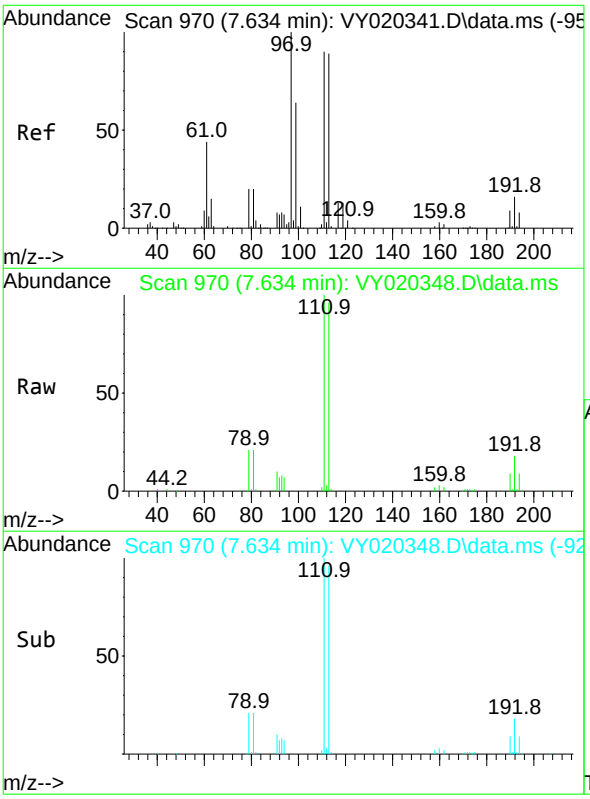
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Tgt Ion:114 Resp: 312610

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	44.8
88	17.4	0.0	32.0

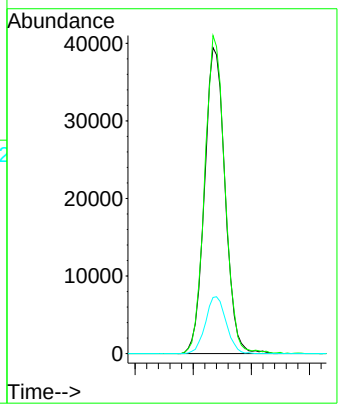


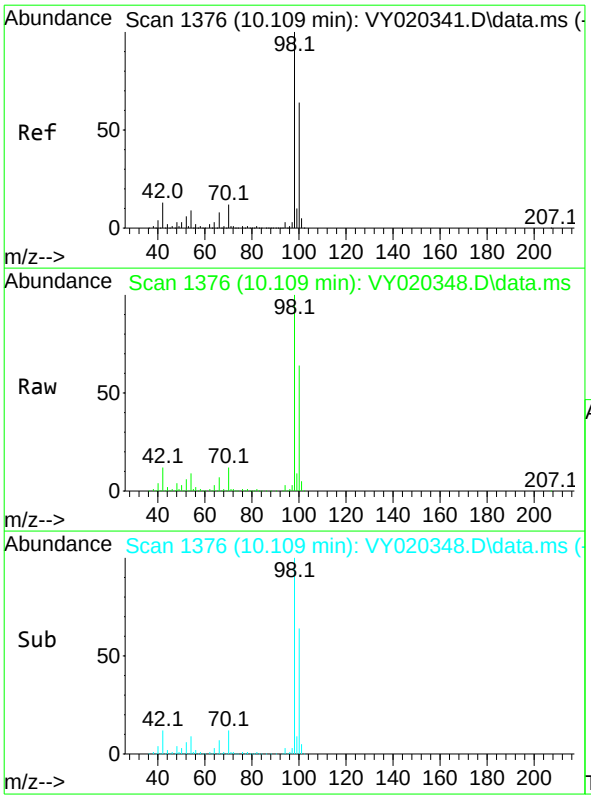


#35
Dibromofluoromethane
Concen: 48.324 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Tgt Ion:113 Resp: 96868

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	18.7	15.1	22.7



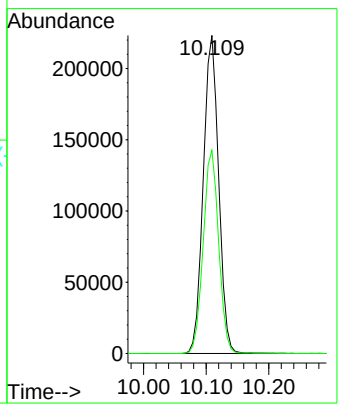


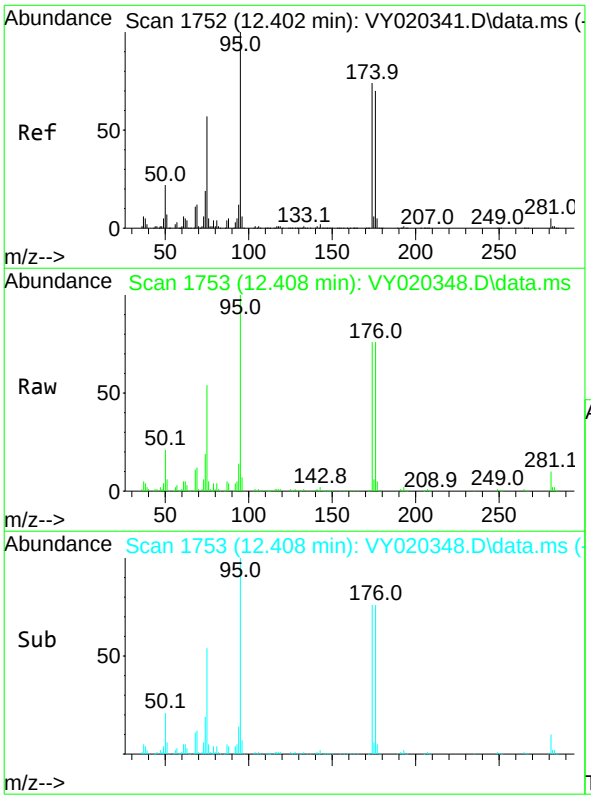
#50
Toluene-d8
Concen: 48.113 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Tgt Ion: 98 Resp: 379920

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.3	76.9

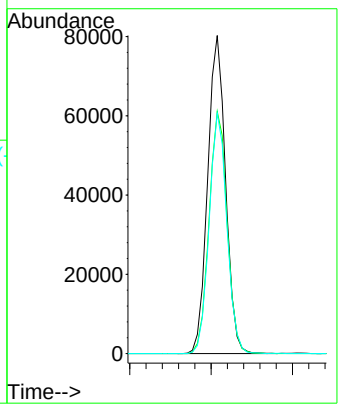


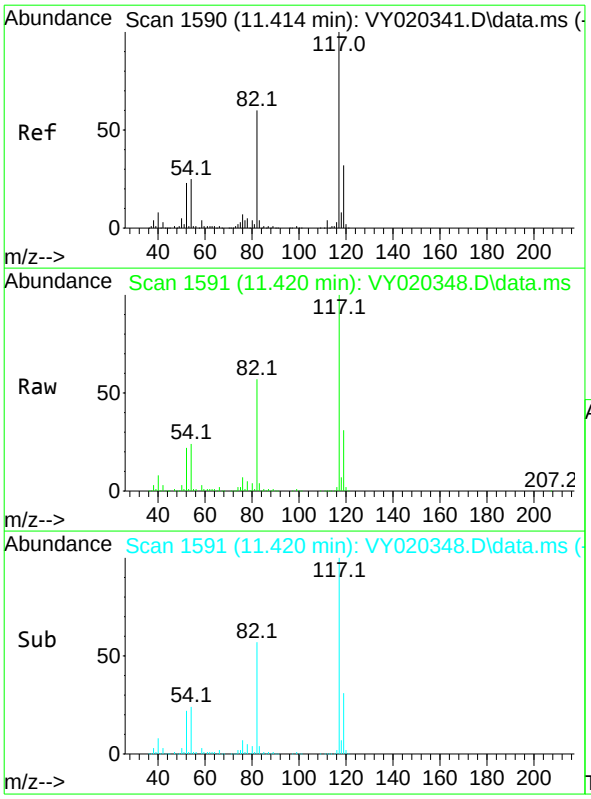


#62
4-Bromofluorobenzene
Concen: 48.299 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Tgt Ion: 95 Resp: 122604

Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	156.8
176	74.4	0.0	152.0



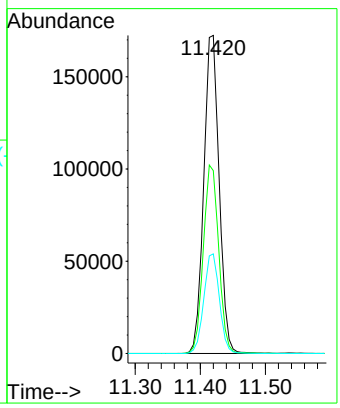


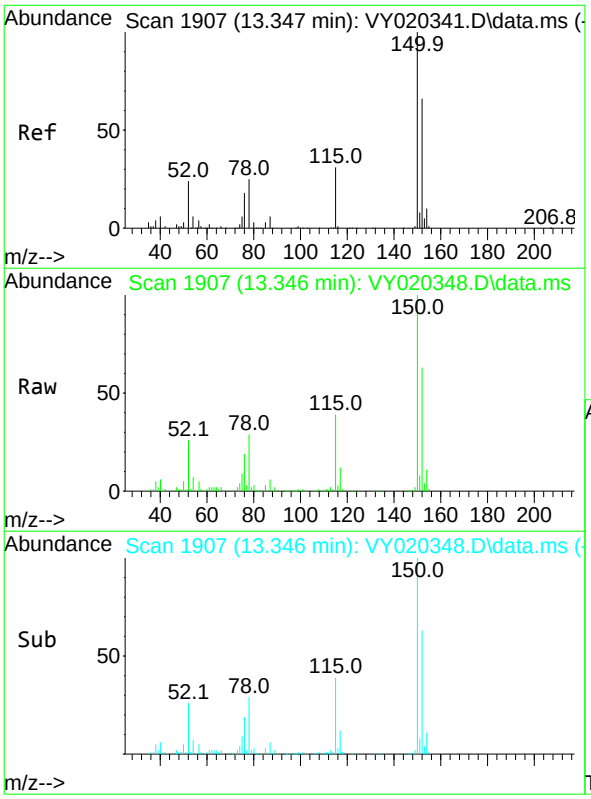
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Tgt Ion:117 Resp: 282610

Ion	Ratio	Lower	Upper
117	100		
82	57.5	48.2	72.4
119	31.3	25.8	38.8

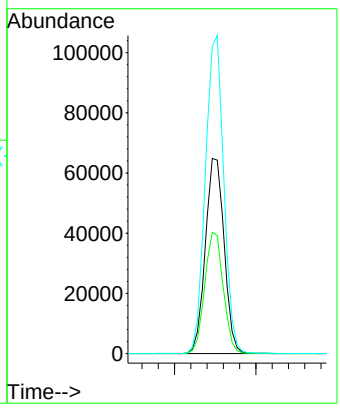




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Tgt Ion:152 Resp: 104132

Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.0	90.0
150	159.5	0.0	348.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020348.D
Acq On : 20 Nov 2024 10:07
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020348.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	836	848	858	rBV	19458	61951	6.02%	1.128%
2	7.634	961	970	977	rBV	134437	332264	32.28%	6.052%
3	7.713	977	983	993	rVB	222162	498269	48.41%	9.076%
4	8.061	1026	1040	1050	rBV2	131688	316038	30.70%	5.757%
5	8.616	1122	1131	1143	rBV	386949	758752	73.71%	13.821%
6	10.109	1367	1376	1385	rBV	594946	1029315	100.00%	18.750%
7	10.512	1435	1442	1449	rBV	72544	133669	12.99%	2.435%
8	10.877	1496	1502	1511	rBV	15267	28757	2.79%	0.524%
9	11.249	1558	1563	1571	rVB3	10748	17399	1.69%	0.317%
10	11.414	1582	1590	1604	rBV	547726	904377	87.86%	16.474%
11	12.261	1721	1729	1734	rBV2	7109	11177	1.09%	0.204%
12	12.408	1746	1753	1763	rVB2	425994	695263	67.55%	12.665%
13	13.346	1901	1907	1917	rVB	424383	674121	65.49%	12.280%
14	13.889	1989	1996	2002	rBV2	9229	15808	1.54%	0.288%
15	15.224	2211	2215	2222	rVV3	7229	12640	1.23%	0.230%

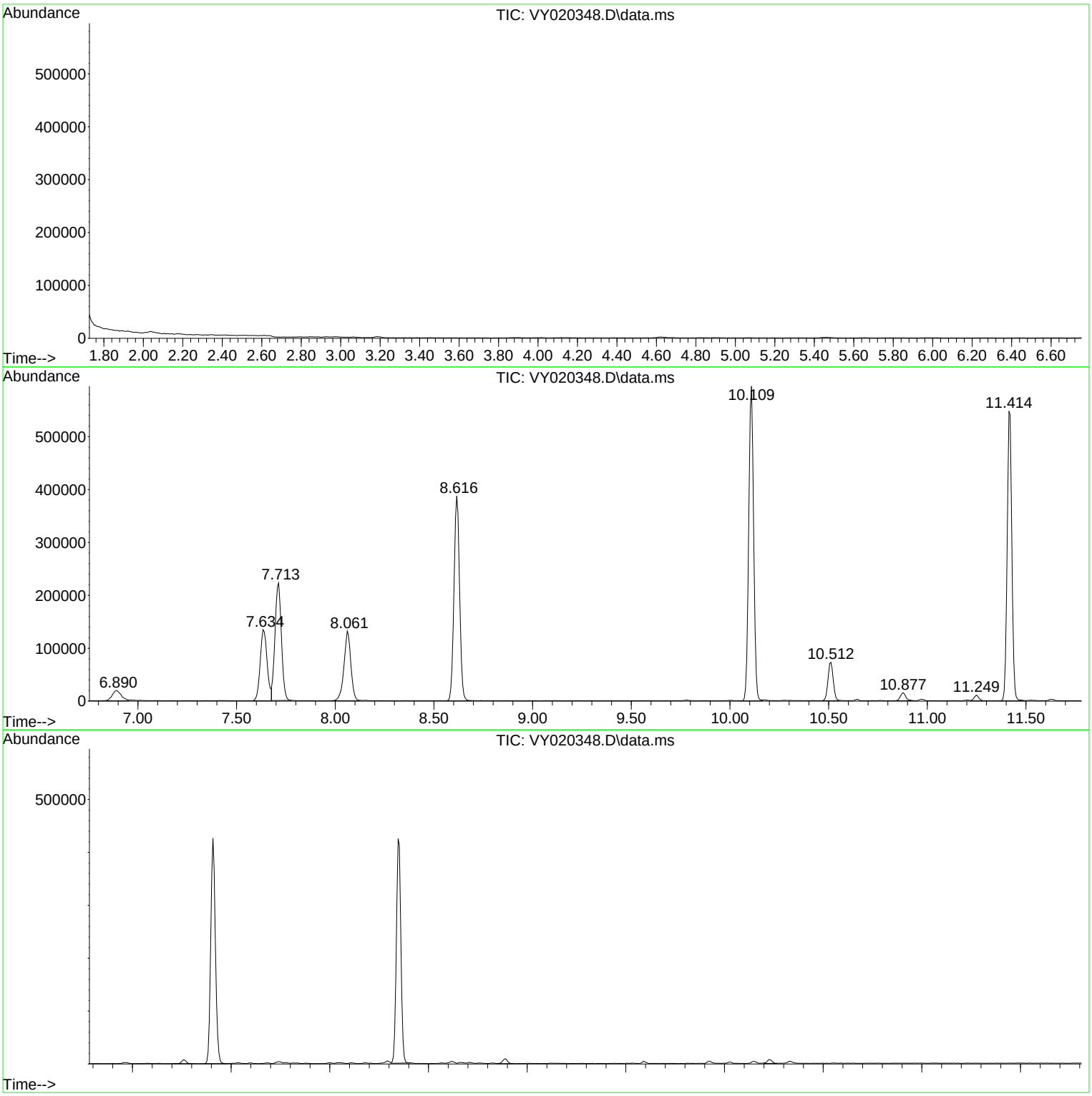
Sum of corrected areas: 5489800

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020348.D
Acq On : 20 Nov 2024 10:07
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020348.D
Acq On : 20 Nov 2024 10:07
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020348.D
Acq On : 20 Nov 2024 10:07
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Time: Nov 21 13:56:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	139506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	270751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	245370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	89046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	83114	51.857	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.720%			
35) Dibromofluoromethane	7.640	113	84115	48.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.900%			
50) Toluene-d8	10.109	98	329763	48.218	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.440%			
62) 4-Bromofluorobenzene	12.408	95	104043	47.324	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 94.640%			

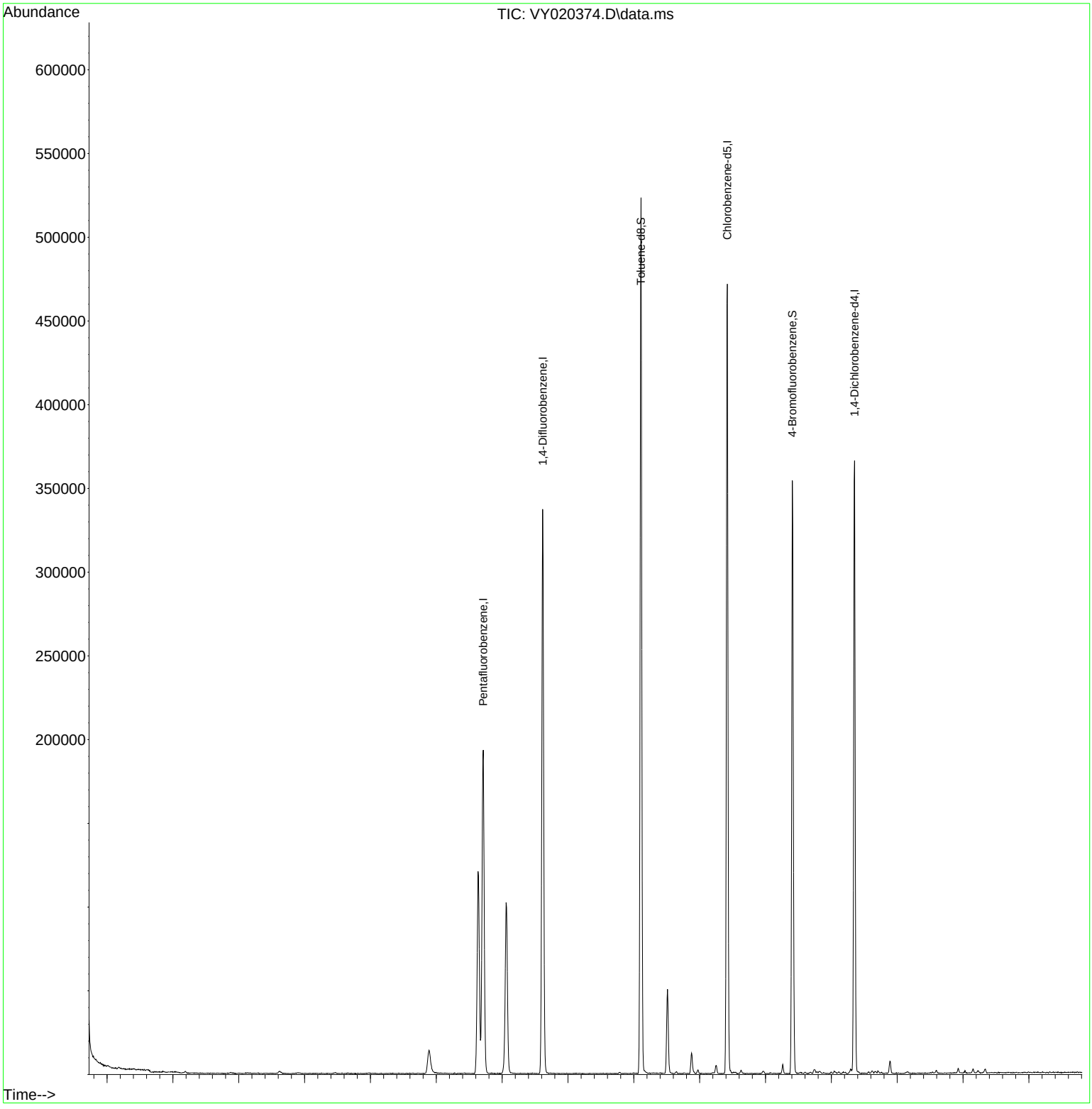
Target Compounds Qvalue

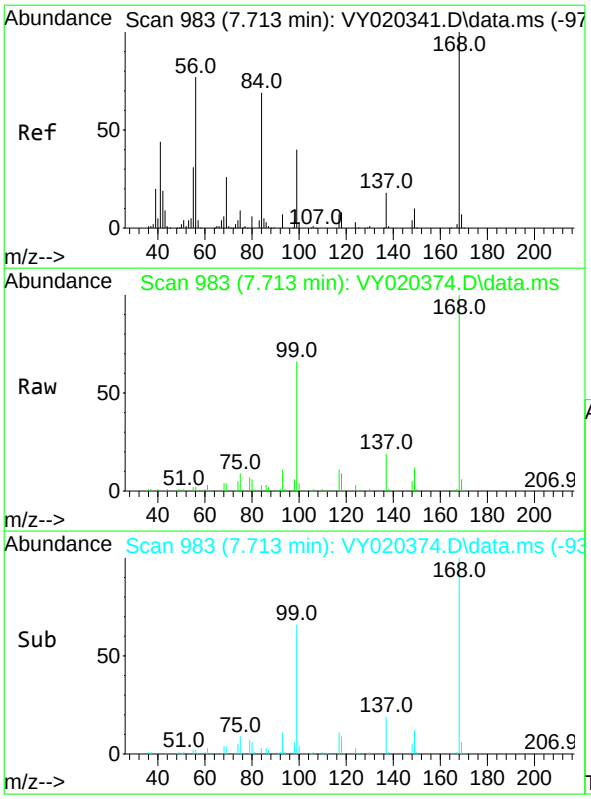
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Time: Nov 21 13:56:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



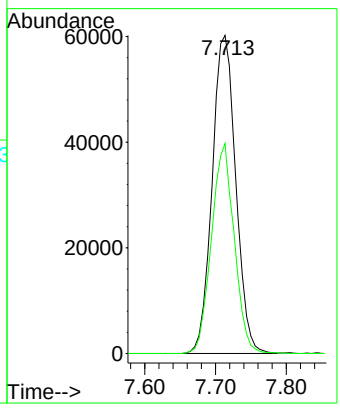


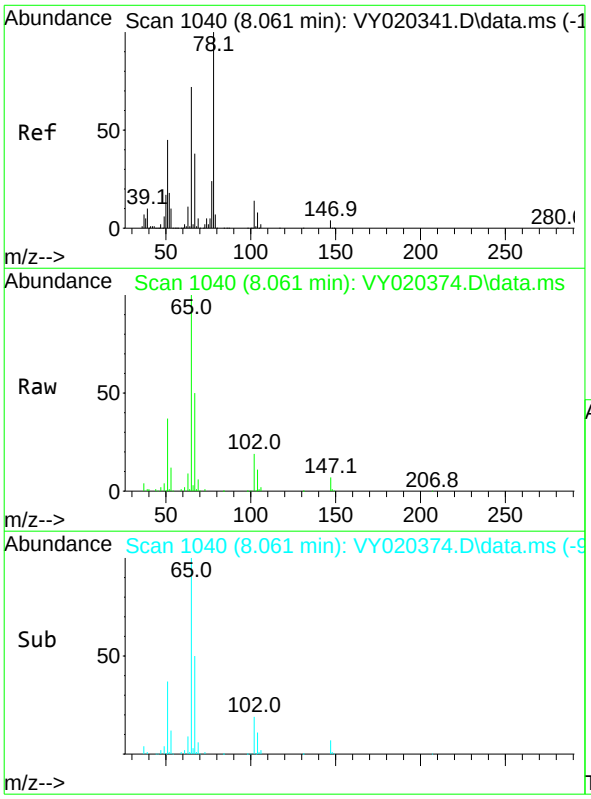
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion:168 Resp: 139506

Ion	Ratio	Lower	Upper
168	100		
99	66.0	46.6	69.8

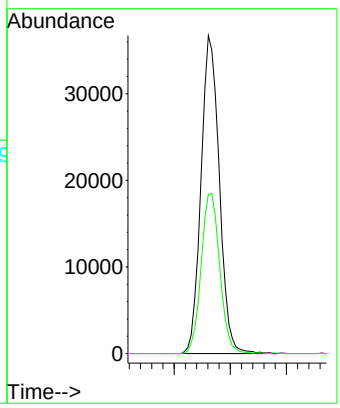


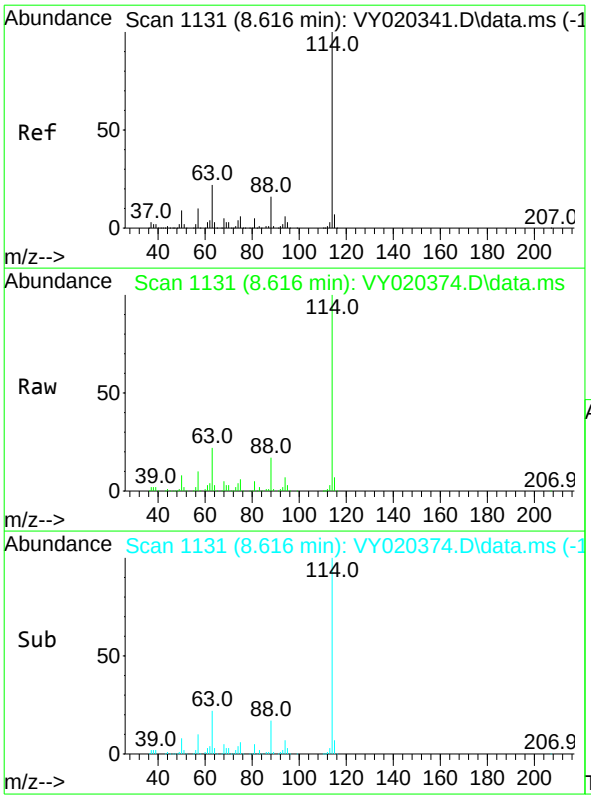


#33
1,2-Dichloroethane-d4
Concen: 51.857 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Tgt Ion: 65 Resp: 83114

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	105.8



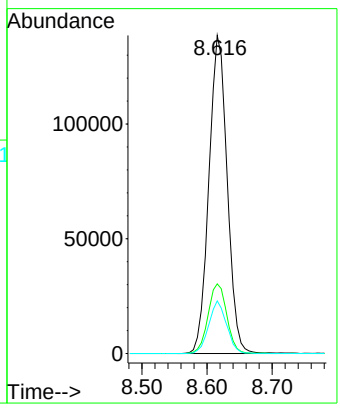


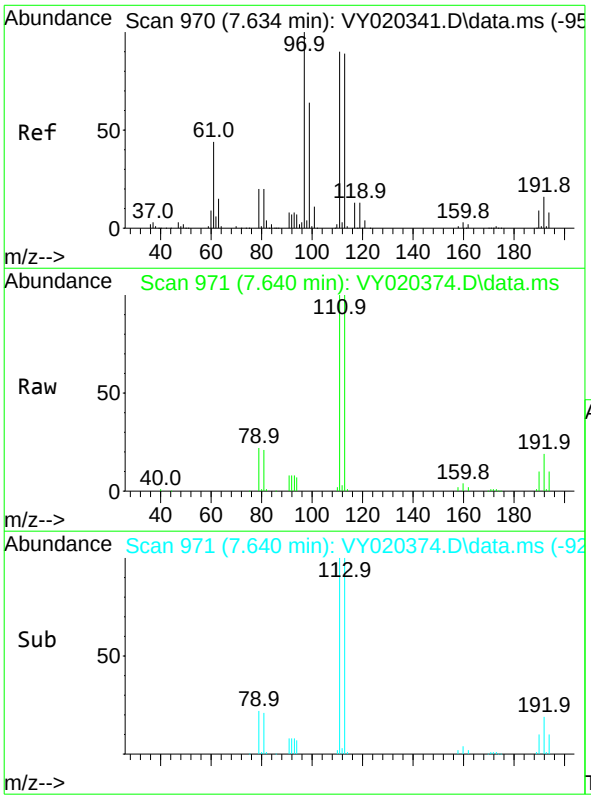
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion:114 Resp: 270751

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.8
88	16.5	0.0	32.0

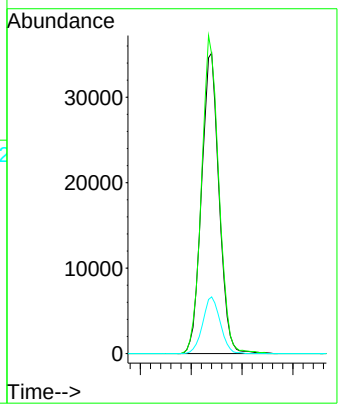


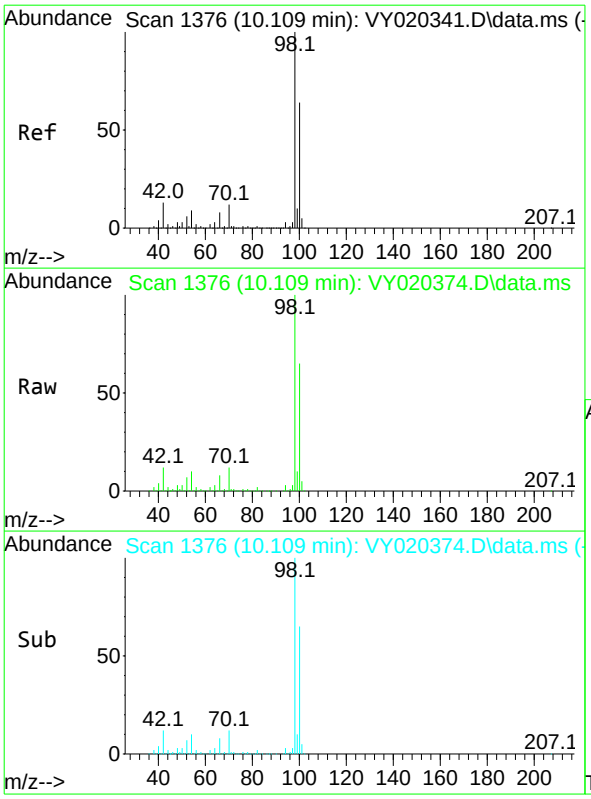


#35
Dibromofluoromethane
Concen: 48.450 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Tgt Ion:113 Resp: 84115

Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.4	122.0
192	18.9	15.1	22.7



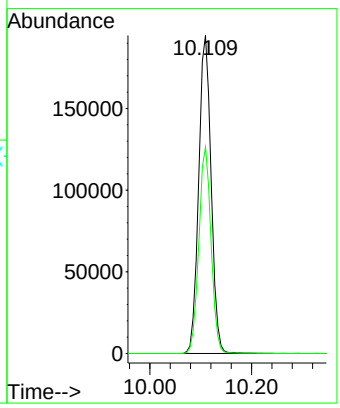


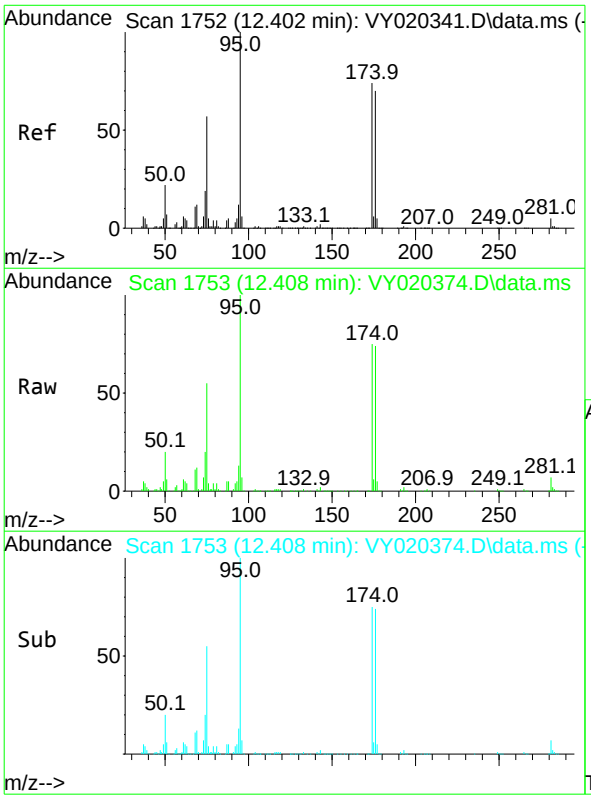
#50
Toluene-d8
Concen: 48.218 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion: 98 Resp: 329763

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9

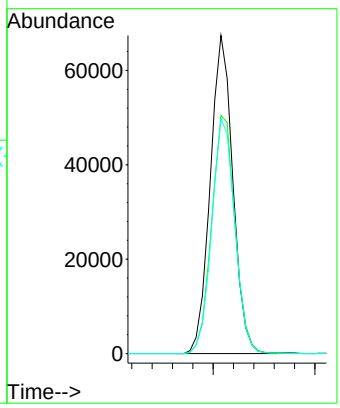


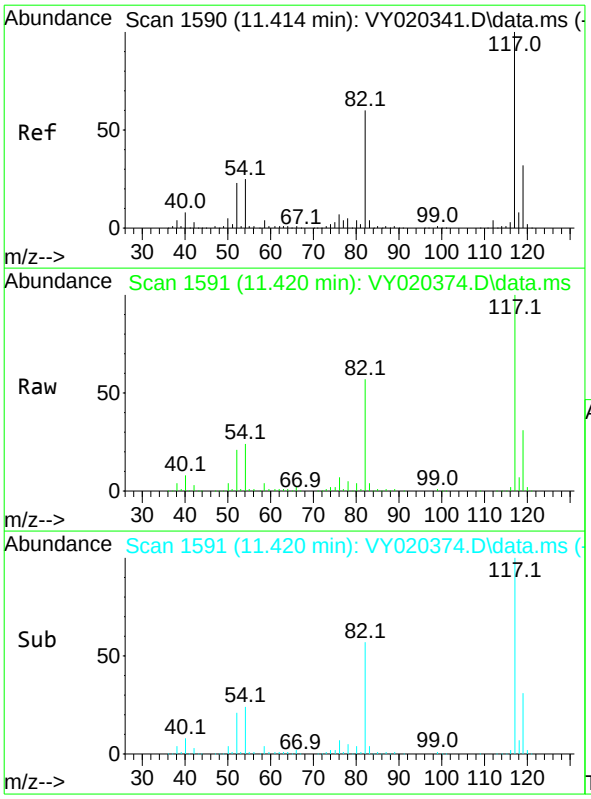


#62
4-Bromofluorobenzene
Concen: 47.324 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Tgt Ion: 95 Resp: 104043

Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	156.8
176	75.4	0.0	152.0



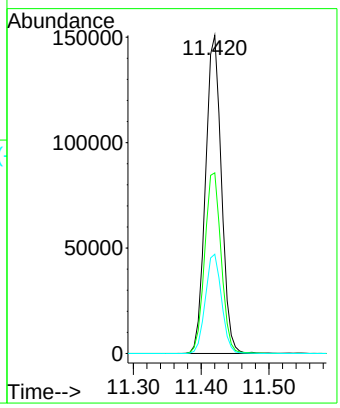


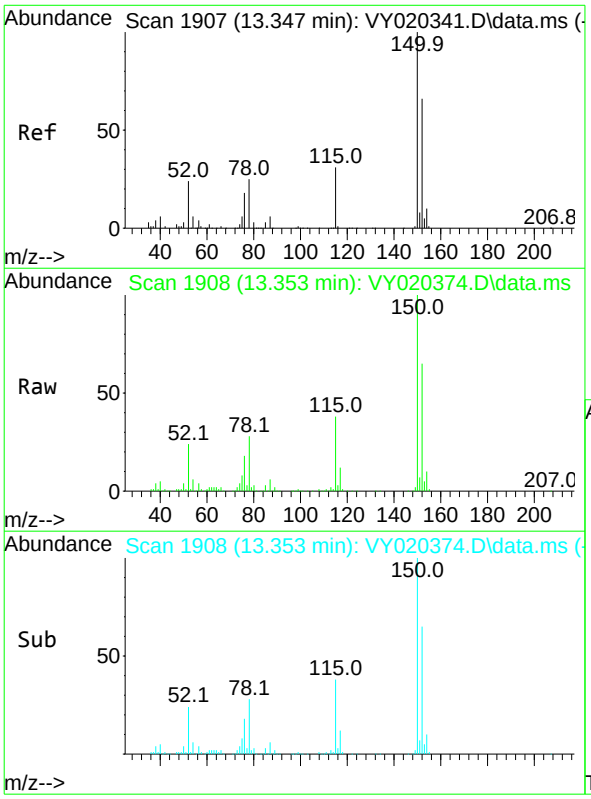
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion:117 Resp: 245370

Ion	Ratio	Lower	Upper
117	100		
82	56.8	48.2	72.4
119	31.2	25.8	38.8

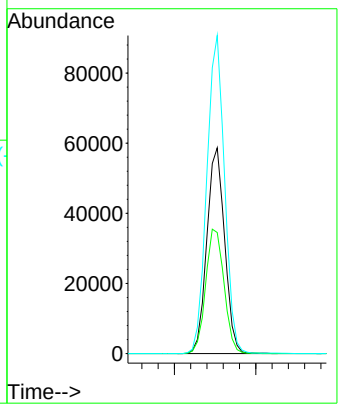




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Tgt Ion:152 Resp: 89046

Ion	Ratio	Lower	Upper
152	100		
115	62.6	30.0	90.0
150	154.3	0.0	348.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020374.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	835	848	857	rBV	14023	45838	5.14%	0.989%
2	7.634	961	970	976	rBV	120761	283920	31.86%	6.127%
3	7.713	976	983	996	rVB	193066	443131	49.72%	9.563%
4	8.061	1026	1040	1051	rBV	102248	242886	27.25%	5.242%
5	8.616	1122	1131	1142	rBV	337014	659966	74.05%	14.242%
6	10.109	1368	1376	1393	rBV	523019	891259	100.00%	19.234%
7	10.512	1433	1442	1453	rBV	50195	90808	10.19%	1.960%
8	10.877	1497	1502	1512	rVB	12217	22092	2.48%	0.477%
9	11.420	1584	1591	1602	rBV	471263	780231	87.54%	16.838%
10	12.408	1747	1753	1764	rBV2	354121	591084	66.32%	12.756%
11	13.353	1901	1908	1917	rVB	365341	570479	64.01%	12.311%
12	13.889	1989	1996	2001	rBV	7330	12146	1.36%	0.262%

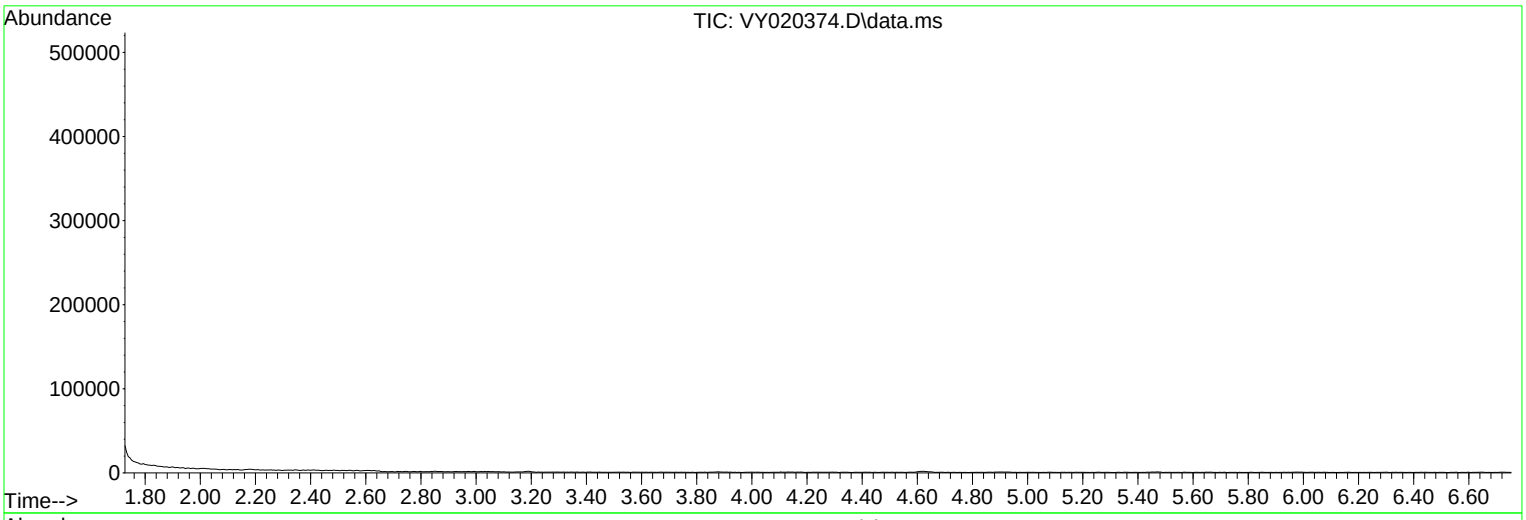
Sum of corrected areas: 4633840

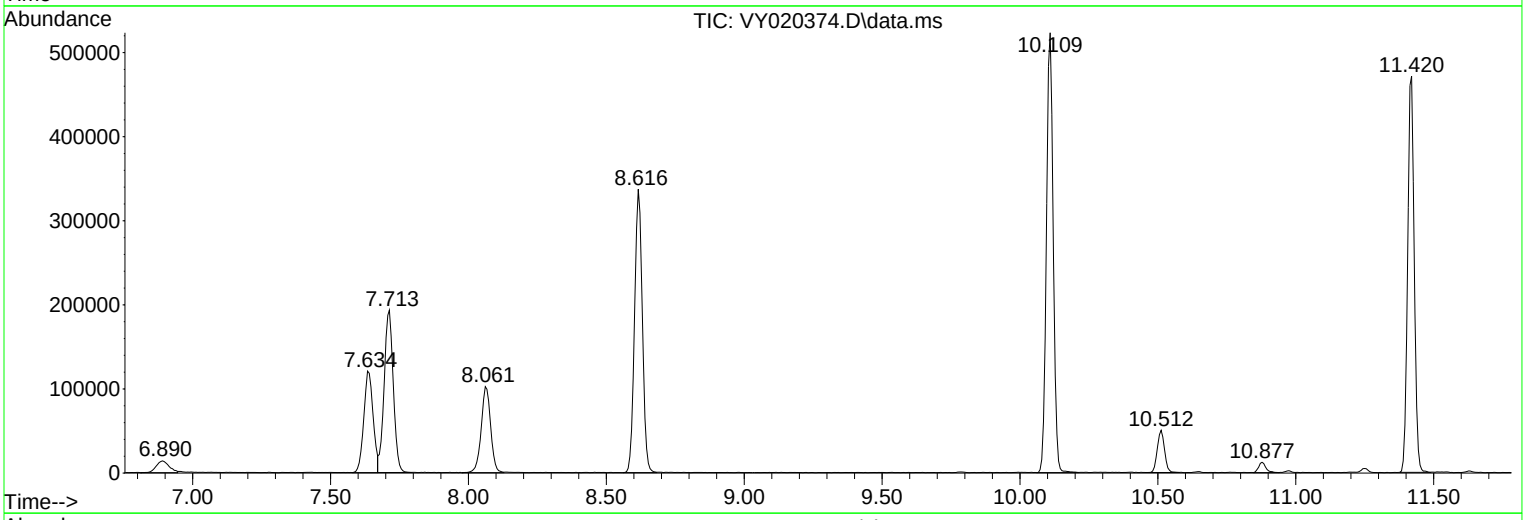
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

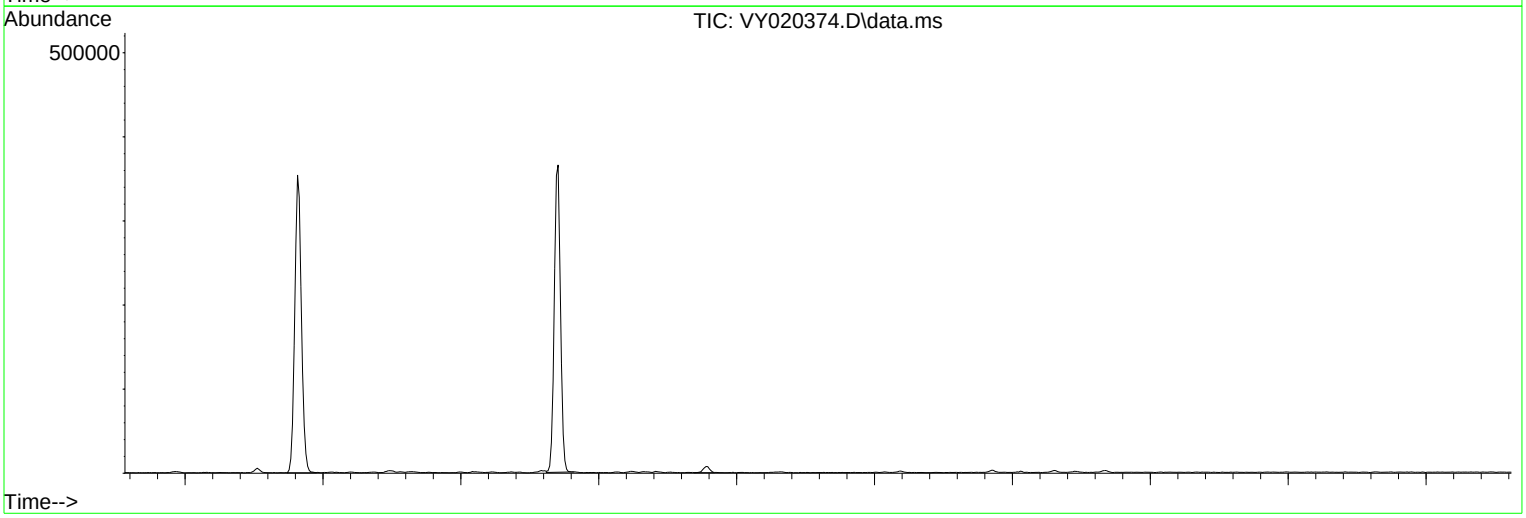
Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080060.D
Acq On : 18 Nov 2024 10:55
Operator : RP/MD
Sample : VD1118SBS01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 04:44:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Manual Integrations APPROVED
Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	178101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	282863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	258933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	90569	49.391	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.780%			
35) Dibromofluoromethane	7.805	113	93698	49.772	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.540%			
50) Toluene-d8	10.269	98	361952	51.013	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.575	95	117407	50.435	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	26054	18.227	ug/l	89
3) Chloromethane	2.146	50	20830	19.816	ug/l	97
4) Vinyl Chloride	2.281	62	24350	20.291	ug/l	96
5) Bromomethane	2.687	94	28089	21.323	ug/l	95
6) Chloroethane	2.834	64	19340	22.547	ug/l	97
7) Trichlorofluoromethane	3.175	101	62694	21.270	ug/l	98
8) Diethyl Ether	3.593	74	15504	18.019	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.970	101	37911	20.590	ug/l	97
10) Methyl Iodide	4.164	142	40594	17.811	ug/l	100
11) Tert butyl alcohol	5.058	59	9009	94.407	ug/l #	96
12) 1,1-Dichloroethene	3.940	96	35104	19.022	ug/l	95
13) Acrolein	3.793	56	15145	82.712	ug/l	99
14) Allyl chloride	4.569	41	46809	17.894	ug/l	97
15) Acrylonitrile	5.264	53	34894	91.286	ug/l	98
16) Acetone	4.022	43	38546	96.882	ug/l	97
17) Carbon Disulfide	4.275	76	111711	18.799	ug/l	96
18) Methyl Acetate	4.569	43	16953	19.213	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	68637	18.231	ug/l	93
20) Methylene Chloride	4.805	84	42508	19.922	ug/l	91
21) trans-1,2-Dichloroethene	5.311	96	37754	18.505	ug/l	93
22) Diisopropyl ether	6.222	45	98725	18.637	ug/l #	97
23) Vinyl Acetate	6.158	43	260471	85.823	ug/l	99
24) 1,1-Dichloroethane	6.111	63	67114	19.049	ug/l	97
25) 2-Butanone	7.087	43	43277	83.238	ug/l	99
26) 2,2-Dichloropropane	7.081	77	57476	18.768	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	43193	18.449	ug/l	93
28) Bromochloromethane	7.428	49	28037	17.882	ug/l	93
29) Tetrahydrofuran	7.452	42	26750	93.926	ug/l	99
30) Chloroform	7.599	83	74516	20.075	ug/l	100
31) Cyclohexane	7.875	56	54643	18.299	ug/l #	85
32) 1,1,1-Trichloroethane	7.793	97	65921	20.753	ug/l	97
36) 1,1-Dichloropropene	8.005	75	50832	19.747	ug/l	99
37) Ethyl Acetate	7.169	43	18960	17.136	ug/l #	94
38) Carbon Tetrachloride	7.993	117	55666	19.793	ug/l	93
39) Methylcyclohexane	9.275	83	56196	18.336	ug/l	92
40) Benzene	8.252	78	154630	19.271	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080060.D
Acq On : 18 Nov 2024 10:55
Operator : RP/MD
Sample : VD1118SBS01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 04:44:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.399	41	10823	18.125 ug/l #	86
42) 1,2-Dichloroethane	8.328	62	42056	20.253 ug/l	99
43) Isopropyl Acetate	8.358	43	37665	18.779 ug/l #	88
44) Trichloroethene	9.028	130	40613	19.560 ug/l	97
45) 1,2-Dichloropropane	9.305	63	38653	20.046 ug/l	96
46) Dibromomethane	9.393	93	22400	19.972 ug/l	96
47) Bromodichloromethane	9.587	83	54740	19.499 ug/l #	98
48) Methyl methacrylate	9.381	41	17744	18.531 ug/l	93
49) 1,4-Dioxane	9.387	88	4518	439.129 ug/l #	88
51) 4-Methyl-2-Pentanone	10.157	43	100223	98.490 ug/l	99
52) Toluene	10.334	92	97423	19.538 ug/l	94
53) t-1,3-Dichloropropene	10.552	75	45844	18.319 ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	57049	19.256 ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	30157	20.324 ug/l	97
56) Ethyl methacrylate	10.599	69	29695	17.210 ug/l	90
57) 1,3-Dichloropropane	10.875	76	46019	19.065 ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	62492	95.761 ug/l	96
59) 2-Hexanone	10.922	43	68836	91.966 ug/l	99
60) Dibromochloromethane	11.075	129	39861	20.871 ug/l	98
61) 1,2-Dibromoethane	11.175	107	29169	20.850 ug/l	98
64) Tetrachloroethene	10.810	164	39119	21.215 ug/l	95
65) Chlorobenzene	11.604	112	111434	19.729 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	39681	20.182 ug/l	96
67) Ethyl Benzene	11.681	91	175565	18.524 ug/l	97
68) m/p-Xylenes	11.793	106	143395	38.715 ug/l	99
69) o-Xylene	12.116	106	65428	19.651 ug/l	93
70) Styrene	12.134	104	114050	19.192 ug/l	99
71) Bromoform	12.298	173	23467	20.243 ug/l #	98
73) Isopropylbenzene	12.422	105	168564	18.465 ug/l	99
74) N-amyl acetate	12.234	43	37701	18.743 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	34967	19.931 ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	21810m	17.448 ug/l	
77) Bromobenzene	12.698	156	45573	19.210 ug/l	96
78) n-propylbenzene	12.763	91	215707	19.120 ug/l	98
79) 2-Chlorotoluene	12.846	91	125865	19.025 ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	146186	18.921 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	11793	19.309 ug/l	99
82) 4-Chlorotoluene	12.945	91	135386	19.142 ug/l	99
83) tert-Butylbenzene	13.163	119	122734	18.342 ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	149083	19.209 ug/l	99
85) sec-Butylbenzene	13.345	105	194603	19.676 ug/l	100
86) p-Isopropyltoluene	13.457	119	163152	19.515 ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	94084	19.585 ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	94116	19.507 ug/l	98
89) n-Butylbenzene	13.787	91	149507	19.009 ug/l	99
90) Hexachloroethane	14.051	117	35475	19.794 ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	81242	19.394 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	4950	18.659 ug/l	85
93) 1,2,4-Trichlorobenzene	15.098	180	53659	20.428 ug/l	98
94) Hexachlorobutadiene	15.198	225	29847	21.024 ug/l	93
95) Naphthalene	15.328	128	83816	18.786 ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	47186	20.455 ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080060.D
Acq On : 18 Nov 2024 10:55
Operator : RP/MD
Sample : VD1118SBS01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 04:44:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024

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

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

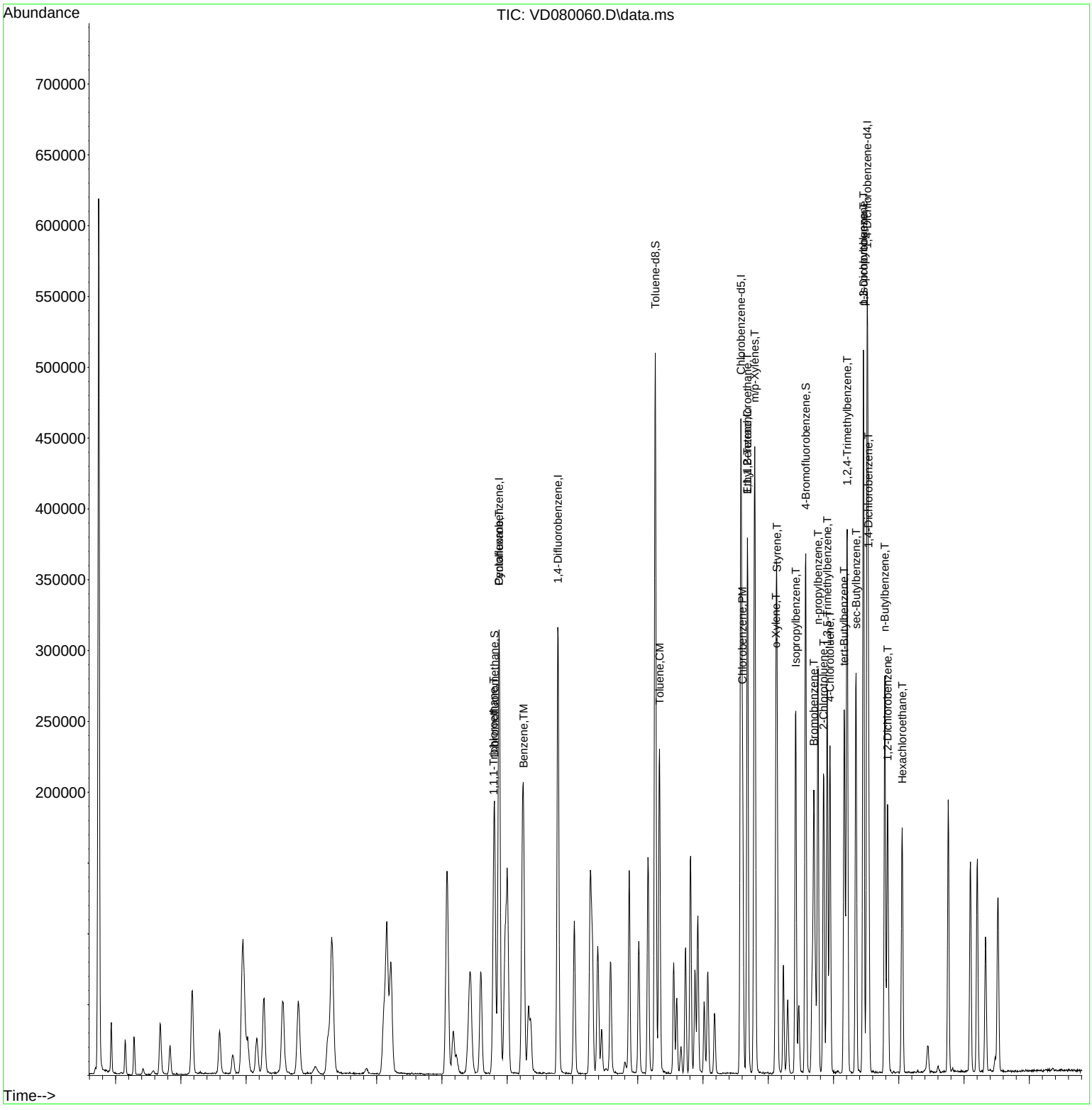
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Data File : VD080060.D
Acq On : 18 Nov 2024 10:55
Operator : RP/MD
Sample : VD1118SBS01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 04:44:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020349.D
Acq On : 20 Nov 2024 10:53
Operator : SY/MD
Sample : VY1120SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 00:43:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/21/2024
Supervised By :Semsettin Yesilyurt 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	210349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	347339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	288195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	135305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104695	43.322	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.640%		
35) Dibromofluoromethane	7.634	113	92069	41.338	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.680%		
50) Toluene-d8	10.109	98	374295	42.662	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.320%		
62) 4-Bromofluorobenzene	12.408	95	124792	44.246	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	88.500%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	44542	21.815	ug/l	96
3) Chloromethane	2.074	50	47600	14.524	ug/l	97
4) Vinyl Chloride	2.208	62	44857	16.014	ug/l	99
5) Bromomethane	2.598	94	23155	16.552	ug/l	97
6) Chloroethane	2.739	64	26010	15.918	ug/l	100
7) Trichlorofluoromethane	3.062	101	74348	19.100	ug/l	97
8) Diethyl Ether	3.458	74	21497	17.504	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	42301	18.248	ug/l	99
10) Methyl Iodide	4.007	142	53198	17.133	ug/l	94
11) Tert butyl alcohol	4.860	59	15294	80.697	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	41036	17.883	ug/l	99
13) Acrolein	3.659	56	17734	118.509	ug/l	99
14) Allyl chloride	4.385	41	77268	17.413	ug/l	93
15) Acrylonitrile	5.067	53	48016	88.443	ug/l	99
16) Acetone	3.873	43	49582	85.583	ug/l	95
17) Carbon Disulfide	4.110	76	132661	17.160	ug/l	98
18) Methyl Acetate	4.391	43	22014	16.301	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	104902	17.598	ug/l	99
20) Methylene Chloride	4.622	84	42492	17.320	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	43797	17.185	ug/l	86
22) Diisopropyl ether	6.025	45	153700	17.577	ug/l	98
23) Vinyl Acetate	5.964	43	423950	86.755	ug/l	98
24) 1,1-Dichloroethane	5.921	63	86954	17.614	ug/l	99
25) 2-Butanone	6.902	43	69106	92.655	ug/l	96
26) 2,2-Dichloropropane	6.890	77	77244	18.932	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	50560	18.011	ug/l	96
28) Bromochloromethane	7.250	49	36015	17.334	ug/l	95
29) Tetrahydrofuran	7.268	42	40198	90.176	ug/l	98
30) Chloroform	7.427	83	83960	17.613	ug/l	98
31) Cyclohexane	7.707	56	83104	18.447	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	78369	18.723	ug/l	99
36) 1,1-Dichloropropene	7.841	75	65647	19.298	ug/l	97
37) Ethyl Acetate	6.988	43	29576	18.979	ug/l	98
38) Carbon Tetrachloride	7.823	117	71712	20.190	ug/l	97
39) Methylcyclohexane	9.109	83	82939	19.481	ug/l	97
40) Benzene	8.085	78	188187	18.877	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020349.D
Acq On : 20 Nov 2024 10:53
Operator : SY/MD
Sample : VY1120SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 00:43:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/21/2024
Supervised By :Semsettin Yesilyurt 11/21/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.226	41	15336	17.296 ug/l		98
42) 1,2-Dichloroethane	8.158	62	51081	18.983 ug/l		98
43) Isopropyl Acetate	8.201	43	56097	18.511 ug/l		98
44) Trichloroethene	8.866	130	43825	18.554 ug/l		96
45) 1,2-Dichloropropane	9.146	63	43294	18.202 ug/l		98
46) Dibromomethane	9.231	93	22071	18.104 ug/l		99
47) Bromodichloromethane	9.426	83	61888	18.390 ug/l		96
48) Methyl methacrylate	9.225	41	26668	18.406 ug/l		96
49) 1,4-Dioxane	9.231	88	4839	385.821 ug/l		93
51) 4-Methyl-2-Pentanone	9.999	43	143304	93.180 ug/l		99
52) Toluene	10.170	92	115311	18.924 ug/l		100
53) t-1,3-Dichloropropene	10.396	75	57785	18.158 ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	68828	18.893 ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	28937	17.882 ug/l		99
56) Ethyl methacrylate	10.438	69	42601	17.530 ug/l		99
57) 1,3-Dichloropropane	10.719	76	53070	18.248 ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	117864	102.283 ug/l		100
59) 2-Hexanone	10.762	43	103150	94.718 ug/l		100
60) Dibromochloromethane	10.914	129	37413	17.937 ug/l		95
61) 1,2-Dibromoethane	11.018	107	26457	17.644 ug/l		100
64) Tetrachloroethene	10.652	164	38299	18.436 ug/l		95
65) Chlorobenzene	11.444	112	117902	18.348 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	40272	18.761 ug/l		98
67) Ethyl Benzene	11.524	91	222103	18.736 ug/l		99
68) m/p-Xylenes	11.627	106	162580	38.075 ug/l		97
69) o-Xylene	11.956	106	75181	18.563 ug/l		95
70) Styrene	11.969	104	129129	19.190 ug/l		98
71) Bromoform	12.133	173	20923	18.702 ug/l	#	98
73) Isopropylbenzene	12.255	105	211498	18.452 ug/l		100
74) N-amyl acetate	12.072	43	49071	17.716 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	31996	17.272 ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	21610m	16.945 ug/l		
77) Bromobenzene	12.536	156	42295	17.613 ug/l		94
78) n-propylbenzene	12.597	91	254825	18.525 ug/l		100
79) 2-Chlorotoluene	12.682	91	141572	17.900 ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	171185	18.480 ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	11591	17.809 ug/l		98
82) 4-Chlorotoluene	12.779	91	145630	17.841 ug/l		98
83) tert-Butylbenzene	12.999	119	150086	18.360 ug/l		96
84) 1,2,4-Trimethylbenzene	13.048	105	168413	18.338 ug/l		99
85) sec-Butylbenzene	13.176	105	221967	17.224 ug/l		100
86) p-Isopropyltoluene	13.298	119	188045	18.872 ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	86339	17.781 ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	83938	18.093 ug/l		98
89) n-Butylbenzene	13.621	91	178851	18.744 ug/l		100
90) Hexachloroethane	13.883	117	34199	17.783 ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	72425	17.902 ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5270	17.337 ug/l		91
93) 1,2,4-Trichlorobenzene	14.925	180	44429	18.163 ug/l		99
94) Hexachlorobutadiene	15.029	225	29500	19.758 ug/l		98
95) Naphthalene	15.151	128	77085	18.298 ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	38068	18.202 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020349.D
Acq On : 20 Nov 2024 10:53
Operator : SY/MD
Sample : VY1120SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 00:43:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/21/2024
Supervised By :Semsettin Yesilyurt 11/21/2024

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

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

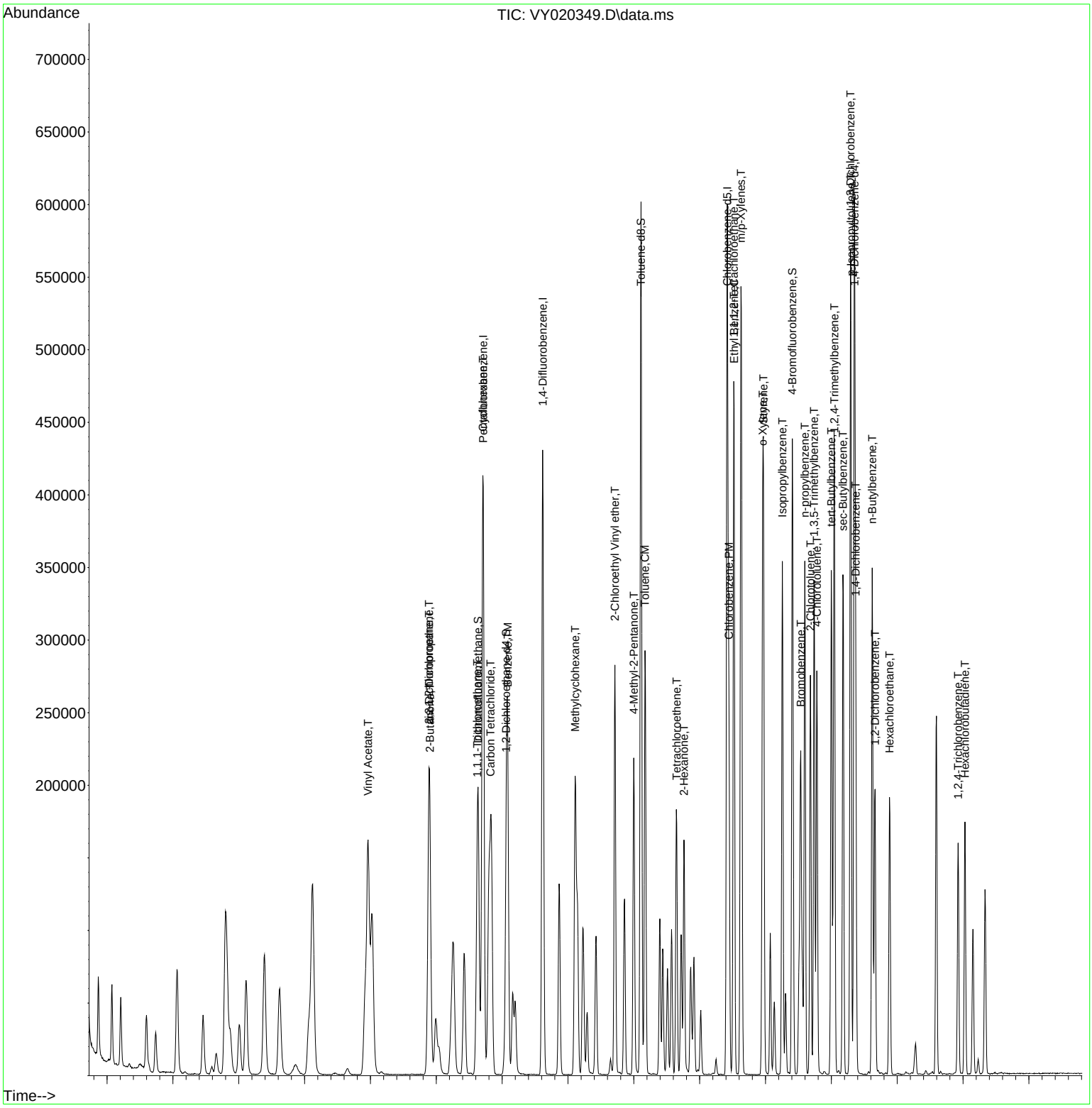
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Data File : VY020349.D
Acq On : 20 Nov 2024 10:53
Operator : SY/MD
Sample : VY1120SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 00:43:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/21/2024
Supervised By :Semsettin Yesilyurt 11/21/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020375.D
Acq On : 21 Nov 2024 10:39
Operator : SY/MD
Sample : VY1121SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 13:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.713	168	180247	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.616	114	303523	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.420	117	255135	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	121310	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.067	65	95330	46.035	ug/l		0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 92.060%				
35) Dibromofluoromethane	7.640	113	85002	43.674	ug/l		0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.340%				
50) Toluene-d8	10.109	98	332344	43.348	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 86.700%				
62) 4-Bromofluorobenzene	12.408	95	110943	45.014	ug/l		0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 90.020%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.867	85	38946	22.260	ug/l		97
3) Chloromethane	2.074	50	40357	14.316	ug/l		96
4) Vinyl Chloride	2.208	62	37886	15.784	ug/l		98
5) Bromomethane	2.604	94	20743	17.304	ug/l		100
6) Chloroethane	2.739	64	23745	16.958	ug/l		98
7) Trichlorofluoromethane	3.068	101	66071	19.809	ug/l		98
8) Diethyl Ether	3.458	74	19799	18.813	ug/l		97
9) 1,1,2-Trichlorotrifluo...	3.824	101	36345	18.297	ug/l		100
10) Methyl Iodide	4.013	142	47517	17.859	ug/l		95
11) Tert butyl alcohol	4.872	59	14695	90.913	ug/l		95
12) 1,1-Dichloroethene	3.799	96	35988	18.303	ug/l		98
13) Acrolein	3.659	56	18523	144.453	ug/l		99
14) Allyl chloride	4.391	41	68363	17.979	ug/l		95
15) Acrylonitrile	5.067	53	43974	94.525	ug/l		99
16) Acetone	3.879	43	46611	93.891	ug/l		94
17) Carbon Disulfide	4.110	76	114597	17.299	ug/l		99
18) Methyl Acetate	4.391	43	20960	18.113	ug/l		99
19) Methyl tert-butyl Ether	5.122	73	98615	19.307	ug/l		97
20) Methylene Chloride	4.622	84	39953	19.004	ug/l		96
21) trans-1,2-Dichloroethene	5.128	96	39135	17.920	ug/l		94
22) Diisopropyl ether	6.031	45	137248	18.317	ug/l		98
23) Vinyl Acetate	5.970	43	388407	92.756	ug/l		99
24) 1,1-Dichloroethane	5.927	63	78285	18.507	ug/l		96
25) 2-Butanone	6.902	43	63764	99.770	ug/l		98
26) 2,2-Dichloropropane	6.896	77	69511	19.881	ug/l		98
27) cis-1,2-Dichloroethene	6.902	96	45476	18.906	ug/l		96
28) Bromochloromethane	7.256	49	32189	18.080	ug/l		99
29) Tetrahydrofuran	7.268	42	37676	98.633	ug/l		98
30) Chloroform	7.427	83	77412	18.951	ug/l		98
31) Cyclohexane	7.707	56	72133	18.686	ug/l	#	95
32) 1,1,1-Trichloroethane	7.622	97	72285	20.154	ug/l		99
36) 1,1-Dichloropropene	7.841	75	57076	19.200	ug/l		98
37) Ethyl Acetate	6.994	43	27101	19.901	ug/l		99
38) Carbon Tetrachloride	7.823	117	65629	21.145	ug/l		98
39) Methylcyclohexane	9.115	83	69833	18.771	ug/l		97
40) Benzene	8.085	78	171136	19.645	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020375.D
Acq On : 21 Nov 2024 10:39
Operator : SY/MD
Sample : VY1121SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 13:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	13680	17.656	ug/l		96
42) 1,2-Dichloroethane	8.164	62	48620	20.677	ug/l		98
43) Isopropyl Acetate	8.201	43	53412	20.169	ug/l	#	87
44) Trichloroethene	8.865	130	39835	19.299	ug/l		97
45) 1,2-Dichloropropane	9.146	63	39715	19.108	ug/l		99
46) Dibromomethane	9.237	93	20413	19.162	ug/l		97
47) Bromodichloromethane	9.426	83	58594	19.924	ug/l		98
48) Methyl methacrylate	9.225	41	24591	19.422	ug/l		95
49) 1,4-Dioxane	9.231	88	4188	382.119	ug/l	#	93
51) 4-Methyl-2-Pentanone	9.999	43	133986	99.697	ug/l		99
52) Toluene	10.176	92	102921	19.329	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	53363	19.189	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	63347	19.899	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	26820	18.966	ug/l		100
56) Ethyl methacrylate	10.438	69	39987	18.829	ug/l		98
57) 1,3-Dichloropropane	10.719	76	50296	19.791	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	100485	99.789	ug/l		99
59) 2-Hexanone	10.761	43	97031	101.962	ug/l		100
60) Dibromochloromethane	10.914	129	36034	19.770	ug/l		98
61) 1,2-Dibromoethane	11.018	107	24532	18.722	ug/l		100
64) Tetrachloroethene	10.652	164	34140	18.563	ug/l		96
65) Chlorobenzene	11.444	112	105916	18.619	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	37863	19.924	ug/l		97
67) Ethyl Benzene	11.524	91	199885	19.046	ug/l		100
68) m/p-Xylenes	11.633	106	148141	39.189	ug/l		98
69) o-Xylene	11.956	106	70006	19.525	ug/l		98
70) Styrene	11.975	104	117883	19.789	ug/l		99
71) Bromoform	12.133	173	20512	20.711	ug/l	#	98
73) Isopropylbenzene	12.255	105	189065	18.398	ug/l		100
74) N-amyl acetate	12.072	43	45544	18.339	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	30208	18.188	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	21691m	18.971	ug/l		
77) Bromobenzene	12.536	156	39097	18.159	ug/l		95
78) n-propylbenzene	12.597	91	228254	18.508	ug/l		100
79) 2-Chlorotoluene	12.682	91	128274	18.090	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	153707	18.507	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	10525	18.037	ug/l		95
82) 4-Chlorotoluene	12.779	91	130788	17.871	ug/l		98
83) tert-Butylbenzene	13.005	119	134252	18.318	ug/l		96
84) 1,2,4-Trimethylbenzene	13.048	105	150805	18.315	ug/l		99
85) sec-Butylbenzene	13.182	105	197873	17.126	ug/l		100
86) p-Isopropyltoluene	13.298	119	162886	18.233	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	77470	17.796	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	76598	18.416	ug/l		98
89) n-Butylbenzene	13.621	91	153757	17.973	ug/l		99
90) Hexachloroethane	13.883	117	31013	17.986	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	67451	18.596	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4936	18.112	ug/l		95
93) 1,2,4-Trichlorobenzene	14.925	180	39202	17.875	ug/l		99
94) Hexachlorobutadiene	15.029	225	24790	18.518	ug/l		98
95) Naphthalene	15.151	128	69552	18.415	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	32957	17.576	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020375.D
Acq On : 21 Nov 2024 10:39
Operator : SY/MD
Sample : VY1121SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 13:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

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

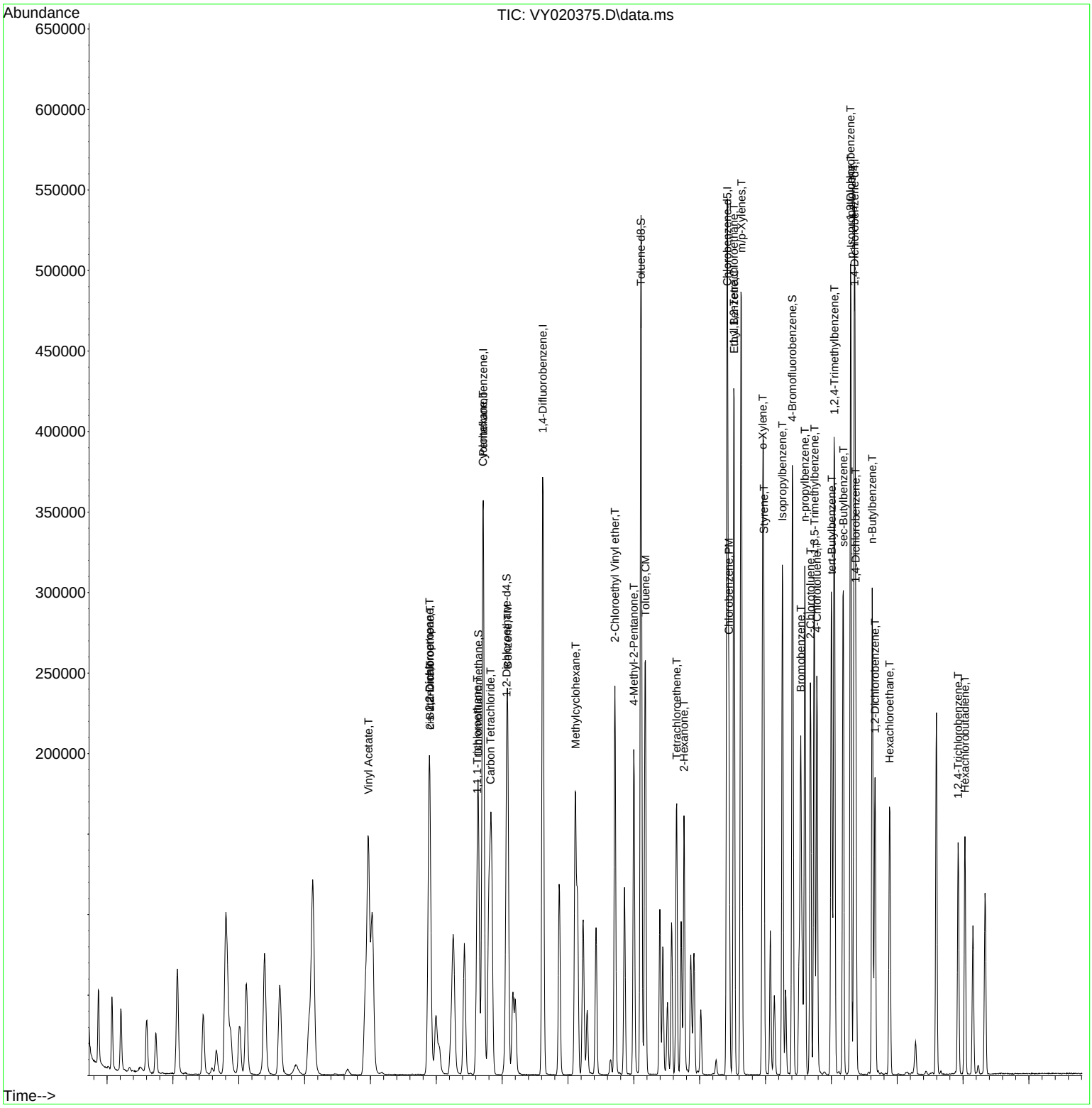
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020375.D
Acq On : 21 Nov 2024 10:39
Operator : SY/MD
Sample : VY1121SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 13:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080061.D
Acq On : 18 Nov 2024 11:22
Operator : RP/MD
Sample : VD1118SBSD01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 04:45:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Manual Integrations APPROVED
Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	185362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	285036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	278035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	143766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	91520	47.954	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.900%			
35) Dibromofluoromethane	7.804	113	95269	50.221	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.440%			
50) Toluene-d8	10.269	98	357642	50.021	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.040%			
62) 4-Bromofluorobenzene	12.569	95	118231	50.402	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	27711	18.627	ug/l	96
3) Chloromethane	2.146	50	18864	17.243	ug/l	98
4) Vinyl Chloride	2.287	62	22305	17.859	ug/l	95
5) Bromomethane	2.681	94	23735	17.107	ug/l	99
6) Chloroethane	2.828	64	15612	17.487	ug/l	94
7) Trichlorofluoromethane	3.175	101	60472	19.713	ug/l	98
8) Diethyl Ether	3.593	74	18549	20.713	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.963	101	40273	21.016	ug/l	96
10) Methyl Iodide	4.163	142	44539	18.777	ug/l	99
11) Tert butyl alcohol	5.058	59	11246	113.233	ug/l #	89
12) 1,1-Dichloroethene	3.940	96	38601	20.097	ug/l	92
13) Acrolein	3.805	56	19112	100.288	ug/l	97
14) Allyl chloride	4.569	41	52572	19.309	ug/l	97
15) Acrylonitrile	5.263	53	40436	101.641	ug/l	99
16) Acetone	4.016	43	46288	111.783	ug/l	96
17) Carbon Disulfide	4.269	76	121638	19.667	ug/l	98
18) Methyl Acetate	4.563	43	19954	21.728	ug/l	98
19) Methyl tert-butyl Ether	5.322	73	81837	20.885	ug/l	97
20) Methylene Chloride	4.811	84	47572	21.422	ug/l	97
21) trans-1,2-Dichloroethene	5.310	96	42829	20.171	ug/l #	81
22) Diisopropyl ether	6.216	45	113961	20.670	ug/l #	98
23) Vinyl Acetate	6.157	43	321354	101.736	ug/l	100
24) 1,1-Dichloroethane	6.116	63	74136	20.218	ug/l	98
25) 2-Butanone	7.087	43	55369	102.323	ug/l	95
26) 2,2-Dichloropropane	7.075	77	63815	20.021	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	49363	20.258	ug/l	95
28) Bromochloromethane	7.428	49	29656	18.174	ug/l	89
29) Tetrahydrofuran	7.446	42	31093	104.899	ug/l	97
30) Chloroform	7.593	83	81001	20.968	ug/l	100
31) Cyclohexane	7.881	56	59148	19.032	ug/l #	84
32) 1,1,1-Trichloroethane	7.793	97	68251	20.645	ug/l	97
36) 1,1-Dichloropropene	8.010	75	52869	20.382	ug/l	99
37) Ethyl Acetate	7.169	43	25388	22.770	ug/l	96
38) Carbon Tetrachloride	7.993	117	60997	21.523	ug/l	98
39) Methylcyclohexane	9.275	83	60473	19.581	ug/l	96
40) Benzene	8.252	78	167798	20.753	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080061.D
Acq On : 18 Nov 2024 11:22
Operator : RP/MD
Sample : VD1118SBSD01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 04:45:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.404	41	12073	20.065 ug/l		97
42) 1,2-Dichloroethane	8.322	62	46347	22.149 ug/l		99
43) Isopropyl Acetate	8.363	43	44072	21.806 ug/l		96
44) Trichloroethene	9.028	130	42979	20.542 ug/l		96
45) 1,2-Dichloropropane	9.304	63	40991	21.096 ug/l		99
46) Dibromomethane	9.399	93	24900	22.032 ug/l		98
47) Bromodichloromethane	9.587	83	61171	21.624 ug/l	#	97
48) Methyl methacrylate	9.381	41	19015	19.707 ug/l		90
49) 1,4-Dioxane	9.387	88	5756	555.192 ug/l		93
51) 4-Methyl-2-Pentanone	10.157	43	117209	114.304 ug/l		99
52) Toluene	10.334	92	107229	21.341 ug/l		97
53) t-1,3-Dichloropropene	10.551	75	52751	20.919 ug/l		94
54) cis-1,3-Dichloropropene	10.016	75	65369	21.896 ug/l		99
55) 1,1,2-Trichloroethane	10.734	97	33823	22.621 ug/l		95
56) Ethyl methacrylate	10.598	69	38127	21.929 ug/l		94
57) 1,3-Dichloropropane	10.875	76	51094	21.006 ug/l		97
58) 2-Chloroethyl Vinyl ether	9.869	63	64512	98.103 ug/l		93
59) 2-Hexanone	10.922	43	80591	106.850 ug/l		96
60) Dibromochloromethane	11.075	129	45076	23.421 ug/l		99
61) 1,2-Dibromoethane	11.175	107	31528	22.364 ug/l		95
64) Tetrachloroethene	10.810	164	40493	20.451 ug/l		97
65) Chlorobenzene	11.604	112	122987	20.278 ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.675	131	43662	20.681 ug/l		96
67) Ethyl Benzene	11.681	91	196392	19.298 ug/l		98
68) m/p-Xylenes	11.793	106	157181	39.521 ug/l		100
69) o-Xylene	12.122	106	70536	19.730 ug/l		95
70) Styrene	12.134	104	130977	20.526 ug/l		97
71) Bromoform	12.298	173	26906	21.615 ug/l	#	96
73) Isopropylbenzene	12.422	105	184445	19.894 ug/l		100
74) N-amyl acetate	12.234	43	43046	21.072 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.669	83	38953	21.862 ug/l		97
76) 1,2,3-Trichloropropane	12.722	75	30446m	23.983 ug/l		
77) Bromobenzene	12.698	156	48840	20.271 ug/l		100
78) n-propylbenzene	12.763	91	230120	20.084 ug/l		98
79) 2-Chlorotoluene	12.845	91	136085	20.253 ug/l		99
80) 1,3,5-Trimethylbenzene	12.904	105	159585	20.338 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.469	75	13854	22.335 ug/l		93
82) 4-Chlorotoluene	12.945	91	146095	20.339 ug/l		97
83) tert-Butylbenzene	13.163	119	129416	19.044 ug/l		98
84) 1,2,4-Trimethylbenzene	13.210	105	164138	20.823 ug/l		99
85) sec-Butylbenzene	13.345	105	205507	20.459 ug/l		99
86) p-Isopropyltoluene	13.457	119	175424	20.661 ug/l		99
87) 1,3-Dichlorobenzene	13.457	146	100617	20.622 ug/l		99
88) 1,4-Dichlorobenzene	13.539	146	100511	20.512 ug/l		98
89) n-Butylbenzene	13.787	91	159355	19.949 ug/l		99
90) Hexachloroethane	14.051	117	37599	20.657 ug/l		98
91) 1,2-Dichlorobenzene	13.828	146	88869	20.889 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6099	22.637 ug/l		97
93) 1,2,4-Trichlorobenzene	15.098	180	52820	19.799 ug/l		98
94) Hexachlorobutadiene	15.198	225	29372	20.371 ug/l		98
95) Naphthalene	15.328	128	93898	20.722 ug/l		99
96) 1,2,3-Trichlorobenzene	15.516	180	48809	20.834 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080061.D
Acq On : 18 Nov 2024 11:22
Operator : RP/MD
Sample : VD1118SBSD01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 04:45:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024

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

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

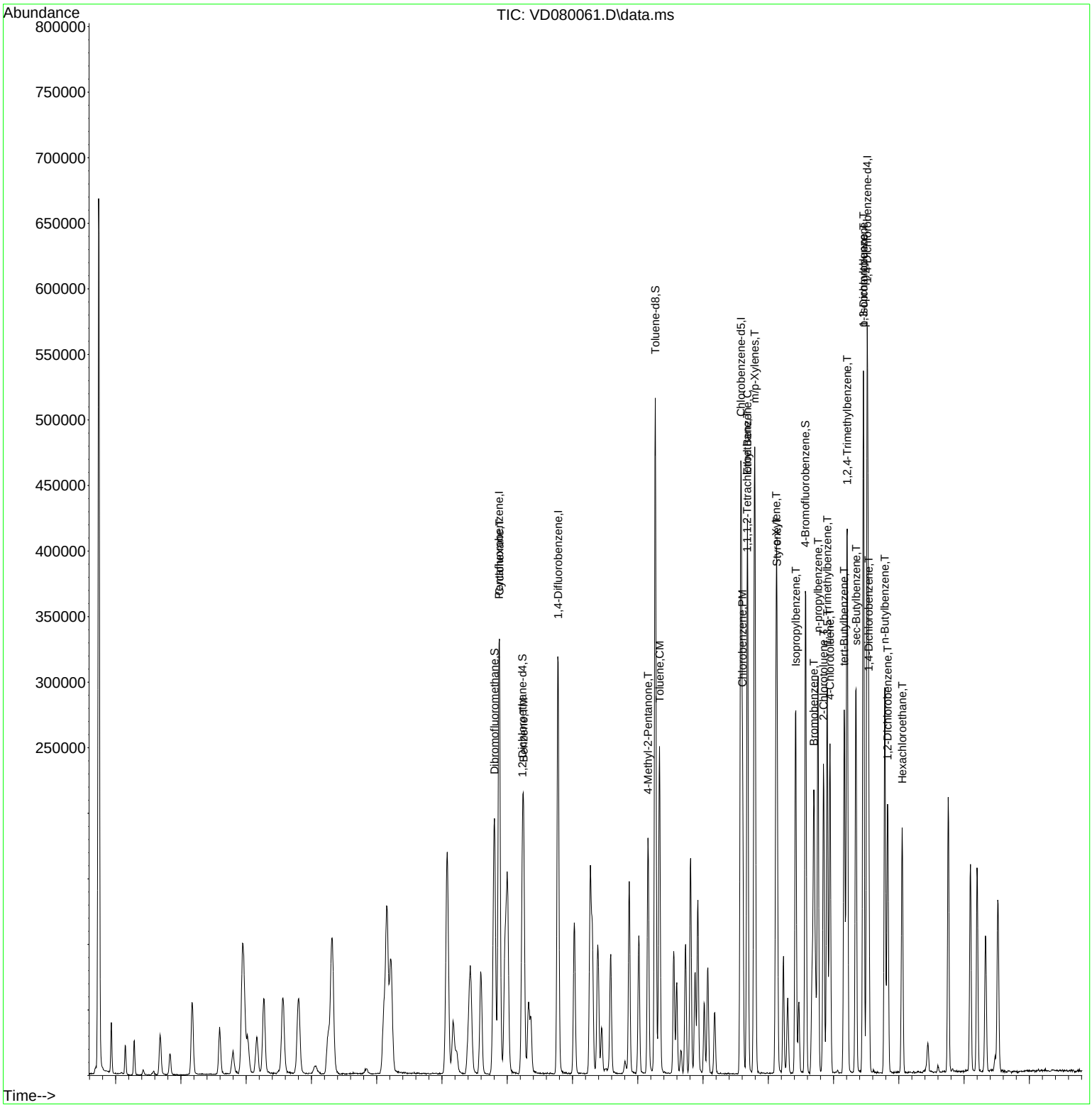
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080061.D
Acq On : 18 Nov 2024 11:22
Operator : RP/MD
Sample : VD1118SBSD01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 04:45:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024



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

Manual Integration Report

Sequence:	VD111524	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VD080017.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:00 PM	SAM	11/18/2024 3:16:37 PM	Peak Integrated by Software
VSTDICC005	VD080020.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:02 PM	SAM	11/18/2024 3:16:39 PM	Peak Integrated by Software
VSTDICC005	VD080020.D	Tert butyl alcohol	MMDadoda	11/18/2024 3:13:02 PM	SAM	11/18/2024 3:16:39 PM	Peak Integrated by Software
VSTDICC010	VD080021.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:04 PM	SAM	11/18/2024 3:16:41 PM	Peak Integrated by Software
VSTDICC020	VD080022.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:06 PM	SAM	11/18/2024 3:16:42 PM	Peak Integrated by Software
VSTDICCC050	VD080023.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:07 PM	SAM	11/18/2024 3:16:45 PM	Peak Integrated by Software
VSTDICC100	VD080024.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:09 PM	SAM	11/18/2024 3:16:46 PM	Peak Integrated by Software
VSTDICC150	VD080025.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:11 PM	SAM	11/18/2024 3:16:48 PM	Peak Integrated by Software
VSTDICV050	VD080026.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:13 PM	SAM	11/18/2024 3:16:50 PM	Peak Integrated by Software
VSTDCCC050	VD080036.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:20 PM	SAM	11/18/2024 3:16:56 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VD111824	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VD080058.D	1,2,3-Trichloropropane	Romaben	11/19/2024 11:04:19 AM	MMDadoda	11/19/2024 1:21:28 PM	Peak Integrated by Software
VD1118SBS01	VD080060.D	1,2,3-Trichloropropane	Romaben	11/19/2024 11:04:25 AM	MMDadoda	11/19/2024 1:21:28 PM	Peak Integrated by Software
VD1118SBSD01	VD080061.D	1,2,3-Trichloropropane	Romaben	11/19/2024 11:04:30 AM	MMDadoda	11/19/2024 1:21:29 PM	Peak Integrated by Software
VSTDCCC050	VD080080.D	1,2,3-Trichloropropane	Romaben	11/19/2024 11:04:35 AM	MMDadoda	11/19/2024 1:21:31 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY111924	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY020338.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:16:52 AM	SAM	11/25/2024 5:45:24 AM	Peak Integrated by Software
VSTDICC005	VY020338.D	Tert butyl alcohol	Romaben	11/20/2024 9:16:52 AM	SAM	11/25/2024 5:45:24 AM	Peak Integrated by Software
VSTDICC010	VY020339.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:16:57 AM	MMDadoda	11/20/2024 1:00:48 PM	Peak Integrated by Software
VSTDICC020	VY020340.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:07 AM	MMDadoda	11/20/2024 1:00:52 PM	Peak Integrated by Software
VSTDICCC050	VY020341.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:18:09 AM	MMDadoda	11/20/2024 1:00:53 PM	Peak Integrated by Software
VSTDICC100	VY020342.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:14 AM	MMDadoda	11/20/2024 1:00:55 PM	Peak Integrated by Software
VSTDICC150	VY020343.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:19 AM	MMDadoda	11/20/2024 1:00:56 PM	Peak Integrated by Software
VSTDICV050	VY020345.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:24 AM	SAM	11/25/2024 5:45:26 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY112024	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020347.D	1,2,3-Trichloropropane	MMDadoda	11/21/2024 3:23:29 PM	SAM	11/21/2024 3:24:44 PM	Peak Integrated by Software
VY1120SBS01	VY020349.D	1,2,3-Trichloropropane	MMDadoda	11/21/2024 3:23:29 PM	SAM	11/21/2024 3:24:43 PM	Peak Integrated by Software
VSTDCCC050	VY020371.D	1,2,3-Trichloropropane	MMDadoda	11/21/2024 3:23:33 PM	SAM	11/21/2024 3:24:46 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY112124	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020373.D	1,2,3-Trichloropropane	Romaben	11/22/2024 11:06:56 AM	MMDadoda	11/22/2024 3:31:17 PM	Peak Integrated by Software
VY1121SBS01	VY020375.D	1,2,3-Trichloropropane	Romaben	11/22/2024 11:07:00 AM	MMDadoda	11/22/2024 3:31:16 PM	Peak Integrated by Software
VSTDCCC050	VY020399.D	1,2,3-Trichloropropane	Romaben	11/22/2024 11:11:47 AM	MMDadoda	11/22/2024 3:31:21 PM	Peak Integrated by Software

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111524

Review By	Mahesh Dadoda	Review On	11/18/2024 3:13:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:20 PM		
SubDirectory	VD111524	HP Acquire Method		HP Processing Method	82d111424s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131514
Initial Calibration Stds	VP131516,VP131518,VP131520,VP131522,VP131524,VP131526
CCC	VP131535,VP131536
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131528
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VD080010.D	14 Nov 2024 17:14	RP/MD	Not Ok
2	VSTDICC005	VD080011.D	14 Nov 2024 18:02	RP/MD	Not Ok
3	VSTDICC010	VD080012.D	14 Nov 2024 18:29	RP/MD	Not Ok
4	VSTDICC020	VD080013.D	14 Nov 2024 18:56	RP/MD	Not Ok
5	VSTDICCC050	VD080014.D	14 Nov 2024 19:22	RP/MD	Not Ok
6	VSTDICC100	VD080015.D	14 Nov 2024 19:49	RP/MD	Not Ok
7	VSTDICC150	VD080016.D	14 Nov 2024 20:16	RP/MD	Not Ok
8	VSTDICV050	VD080017.D	14 Nov 2024 20:43	RP/MD	Not Ok
9	VIBLK	VD080018.D	14 Nov 2024 21:36	RP/MD	Not Ok
10	BFB	VD080019.D	15 Nov 2024 09:14	RP/MD	Ok
11	VSTDICC005	VD080020.D	15 Nov 2024 10:04	RP/MD	Ok,M
12	VSTDICC010	VD080021.D	15 Nov 2024 10:31	RP/MD	Ok,M
13	VSTDICC020	VD080022.D	15 Nov 2024 10:58	RP/MD	Ok,M
14	VSTDICCC050	VD080023.D	15 Nov 2024 11:24	RP/MD	Ok,M
15	VSTDICC100	VD080024.D	15 Nov 2024 11:51	RP/MD	Ok,M
16	VSTDICC150	VD080025.D	15 Nov 2024 12:18	RP/MD	Ok,M
17	VSTDICV050	VD080026.D	15 Nov 2024 15:44	RP/MD	Ok,M
18	VD1115SBL01	VD080027.D	15 Nov 2024 16:19	RP/MD	Ok
19	VD1115SBS01	VD080028.D	15 Nov 2024 16:46	RP/MD	Ok,M
20	P4837-03	VD080029.D	15 Nov 2024 17:13	RP/MD	Ok
21	P4836-03	VD080030.D	15 Nov 2024 17:40	RP/MD	ReRun

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111524

Review By	Mahesh Dadoda	Review On	11/18/2024 3:13:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:20 PM		
SubDirectory	VD111524	HP Acquire Method		HP Processing Method	82d111424s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131514
Initial Calibration Stds	VP131516,VP131518,VP131520,VP131522,VP131524,VP131526
CCC	VP131535,VP131536
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131528
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4835-03	VD080031.D	15 Nov 2024 18:07	RP/MD	Ok
23	P4834-03	VD080032.D	15 Nov 2024 18:34	RP/MD	ReRun
24	P4838-03	VD080033.D	15 Nov 2024 19:01	RP/MD	ReRun
25	P4833-03	VD080034.D	15 Nov 2024 19:28	RP/MD	Not Ok
26	VD1115SBSD01	VD080035.D	15 Nov 2024 19:55	RP/MD	Ok,M
27	VSTDCCC050	VD080036.D	15 Nov 2024 20:22	RP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111824

Review By	Mahesh Dadoda	Review On	11/19/2024 1:21:34 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/19/2024 1:22:24 PM		
SubDirectory	VD111824	HP Acquire Method	MSVOA_D	HP Processing Method	82d111424s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131590
Initial Calibration Stds	
CCC	VP131593,VP131594
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VD080057.D	18 Nov 2024 09:21	RP/MD	Ok
2	VSTDCCC050	VD080058.D	18 Nov 2024 09:51	RP/MD	Ok,M
3	VD1118SBL01	VD080059.D	18 Nov 2024 10:27	RP/MD	Ok
4	VD1118SBS01	VD080060.D	18 Nov 2024 10:55	RP/MD	Ok,M
5	VD1118SBSD01	VD080061.D	18 Nov 2024 11:22	RP/MD	Ok,M
6	P4825-01RE	VD080062.D	18 Nov 2024 12:08	RP/MD	Confirms
7	P4824-01RE	VD080063.D	18 Nov 2024 12:35	RP/MD	Confirms
8	P4857-03RE	VD080064.D	18 Nov 2024 13:02	RP/MD	Confirms
9	P4859-01	VD080065.D	18 Nov 2024 13:30	RP/MD	Ok
10	P4869-01	VD080066.D	18 Nov 2024 13:57	RP/MD	Ok
11	P4848-01	VD080067.D	18 Nov 2024 14:24	RP/MD	ReRun
12	P4852-01	VD080068.D	18 Nov 2024 14:51	RP/MD	ReRun
13	P4852-02	VD080069.D	18 Nov 2024 15:18	RP/MD	ReRun
14	P4852-03	VD080070.D	18 Nov 2024 15:45	RP/MD	ReRun
15	P4850-01	VD080071.D	18 Nov 2024 16:12	RP/MD	Ok
16	P4860-01	VD080072.D	18 Nov 2024 16:39	RP/MD	Ok
17	P4860-02	VD080073.D	18 Nov 2024 17:06	RP/MD	Ok
18	P4860-03	VD080074.D	18 Nov 2024 17:33	RP/MD	ReRun
19	P4860-04	VD080075.D	18 Nov 2024 18:00	RP/MD	Ok
20	P4860-05	VD080076.D	18 Nov 2024 18:28	RP/MD	Ok
21	P4860-06	VD080077.D	18 Nov 2024 18:55	RP/MD	Not Ok

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111824

Review By	Mahesh Dadoda	Review On	11/19/2024 1:21:34 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/19/2024 1:22:24 PM				
SubDirectory	VD111824	HP Acquire Method	MSVOA_D	HP Processing Method	82d111424s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131590
Initial Calibration Stds	
CCC	VP131593,VP131594
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4860-07	VD080078.D	18 Nov 2024 19:22	RP/MD	Ok
23	P4860-08	VD080079.D	18 Nov 2024 19:49	RP/MD	Ok
24	VSTDCCC050	VD080080.D	18 Nov 2024 20:16	RP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111924

Review By	Mahesh Dadoda	Review On	11/20/2024 1:01:03 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/20/2024 1:03:18 PM		
SubDirectory	VY111924	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131638
Initial Calibration Stds	VP131639,VP131640,VP131641,VP131642,VP131643,VP131644
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP131645
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020337.D	19 Nov 2024 14:40	SY/MD	Ok
2	VSTDICC005	VY020338.D	19 Nov 2024 15:49	SY/MD	Ok,M
3	VSTDICC010	VY020339.D	19 Nov 2024 16:12	SY/MD	Ok,M
4	VSTDICC020	VY020340.D	19 Nov 2024 16:35	SY/MD	Ok,M
5	VSTDICCC050	VY020341.D	19 Nov 2024 16:57	SY/MD	Ok,M
6	VSTDICC100	VY020342.D	19 Nov 2024 17:20	SY/MD	Ok,M
7	VSTDICC150	VY020343.D	19 Nov 2024 17:42	SY/MD	Ok,M
8	VIBLK	VY020344.D	19 Nov 2024 18:06	SY/MD	Ok
9	VSTDICV050	VY020345.D	19 Nov 2024 18:52	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112024

Review By	Mahesh Dadoda	Review On	11/21/2024 3:23:29 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/21/2024 3:24:50 PM				
SubDirectory	VY112024	HP Acquire Method	MSVOA_Y	HP Processing Method	82y111924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131659
Initial Calibration Stds	
CCC	VP131661,VP131662
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020346.D	20 Nov 2024 08:23	SY/MD	Ok
2	VSTDCCC050	VY020347.D	20 Nov 2024 09:34	SY/MD	Ok,M
3	VY1120SBL01	VY020348.D	20 Nov 2024 10:07	SY/MD	Ok
4	VY1120SBS01	VY020349.D	20 Nov 2024 10:53	SY/MD	Ok,M
5	VY1120SBSD01	VY020350.D	20 Nov 2024 11:16	SY/MD	Ok,M
6	P4910-07	VY020351.D	20 Nov 2024 11:57	SY/MD	ReRun
7	P4910-03	VY020352.D	20 Nov 2024 12:20	SY/MD	ReRun
8	P4929-01	VY020353.D	20 Nov 2024 12:44	SY/MD	ReRun
9	P4924-03	VY020354.D	20 Nov 2024 13:07	SY/MD	Ok
10	P4916-03	VY020355.D	20 Nov 2024 13:30	SY/MD	Ok
11	P4916-07	VY020356.D	20 Nov 2024 13:54	SY/MD	Ok
12	P4916-11	VY020357.D	20 Nov 2024 14:17	SY/MD	Ok
13	P4909-02	VY020358.D	20 Nov 2024 14:41	SY/MD	ReRun
14	P4908-01	VY020359.D	20 Nov 2024 15:04	SY/MD	Ok
15	P4908-03	VY020360.D	20 Nov 2024 15:27	SY/MD	ReRun
16	P4870-03	VY020361.D	20 Nov 2024 15:51	SY/MD	ReRun
17	P4870-12	VY020362.D	20 Nov 2024 16:14	SY/MD	ReRun
18	P4870-09	VY020363.D	20 Nov 2024 16:38	SY/MD	Ok
19	P4870-06	VY020364.D	20 Nov 2024 17:01	SY/MD	ReRun
20	P4849-01	VY020365.D	20 Nov 2024 17:24	SY/MD	Ok
21	P4887-04	VY020366.D	20 Nov 2024 17:48	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112024

Review By	Mahesh Dadoda	Review On	11/21/2024 3:23:29 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/21/2024 3:24:50 PM				
SubDirectory	VY112024	HP Acquire Method	MSVOA_Y	HP Processing Method	82y111924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131659
Initial Calibration Stds	
CCC	VP131661,VP131662
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4887-08	VY020367.D	20 Nov 2024 18:11	SY/MD	Ok
23	P4860-03	VY020368.D	20 Nov 2024 18:35	SY/MD	Ok
24	P4860-06	VY020369.D	20 Nov 2024 18:58	SY/MD	Ok
25	P4768-04	VY020370.D	20 Nov 2024 19:22	SY/MD	Ok
26	VSTDCCC050	VY020371.D	20 Nov 2024 19:44	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:31:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:36:07 PM		
SubDirectory	VY112124	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131692
Initial Calibration Stds	
CCC	VP131693,VP131694
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020372.D	21 Nov 2024 08:32	SY/MD	Ok
2	VSTDCCC050	VY020373.D	21 Nov 2024 09:25	SY/MD	Ok,M
3	VY1121SBL01	VY020374.D	21 Nov 2024 09:59	SY/MD	Ok
4	VY1121SBS01	VY020375.D	21 Nov 2024 10:39	SY/MD	Ok,M
5	VY1121SBSD01	VY020376.D	21 Nov 2024 11:02	SY/MD	Ok,M
6	P4852-01	VY020377.D	21 Nov 2024 11:25	SY/MD	Ok
7	P4852-02RE	VY020378.D	21 Nov 2024 11:49	SY/MD	Confirms
8	P4852-03	VY020379.D	21 Nov 2024 12:12	SY/MD	Ok
9	P4908-03	VY020380.D	21 Nov 2024 12:36	SY/MD	Ok
10	P4909-02	VY020381.D	21 Nov 2024 12:59	SY/MD	Ok
11	P4929-01RE	VY020382.D	21 Nov 2024 13:23	SY/MD	Confirms
12	P4910-07	VY020383.D	21 Nov 2024 13:46	SY/MD	Ok
13	P4910-03	VY020384.D	21 Nov 2024 14:09	SY/MD	Ok
14	P4870-03	VY020385.D	21 Nov 2024 14:33	SY/MD	Ok
15	P4870-06	VY020386.D	21 Nov 2024 14:56	SY/MD	Ok
16	P4870-12	VY020387.D	21 Nov 2024 15:20	SY/MD	Ok
17	P4892-02	VY020388.D	21 Nov 2024 15:43	SY/MD	ReRun
18	P4860-10	VY020389.D	21 Nov 2024 16:06	SY/MD	Ok
19	P4860-09	VY020390.D	21 Nov 2024 16:30	SY/MD	Ok
20	P4925-03	VY020391.D	21 Nov 2024 16:53	SY/MD	Ok
21	P4893-03	VY020392.D	21 Nov 2024 17:17	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:31:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:36:07 PM		
SubDirectory	VY112124	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131692
Initial Calibration Stds	
CCC	VP131693,VP131694
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4893-07	VY020393.D	21 Nov 2024 17:40	SY/MD	Ok
23	P4925-07	VY020394.D	21 Nov 2024 18:04	SY/MD	Ok
24	P4892-01	VY020395.D	21 Nov 2024 18:27	SY/MD	Ok
25	P4938-07	VY020396.D	21 Nov 2024 18:50	SY/MD	Ok
26	P4938-03	VY020397.D	21 Nov 2024 19:14	SY/MD	Ok
27	P4936-01	VY020398.D	21 Nov 2024 19:37	SY/MD	ReRun
28	VSTDCCC050	VY020399.D	21 Nov 2024 20:00	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111524

Review By	Mahesh Dadoda	Review On	11/18/2024 3:13:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:20 PM		
SubDirectory	VD111524	HP Acquire Method		HP Processing Method	82d111424s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131514
Initial Calibration Stds	VP131516,VP131518,VP131520,VP131522,VP131524,VP131526
CCC	VP131535,VP131536
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131528
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VD080010.D	14 Nov 2024 17:14	Method failed for Comp. #05	RP/MD	Not Ok
2	VSTDICC005	VSTDICC005	VD080011.D	14 Nov 2024 18:02	%D failed for Comp. #16 in 05PPB	RP/MD	Not Ok
3	VSTDICC010	VSTDICC010	VD080012.D	14 Nov 2024 18:29		RP/MD	Not Ok
4	VSTDICC020	VSTDICC020	VD080013.D	14 Nov 2024 18:56		RP/MD	Not Ok
5	VSTDICCC050	VSTDICCC050	VD080014.D	14 Nov 2024 19:22	Comp. #10,16 are on Quadratic Regression	RP/MD	Not Ok
6	VSTDICC100	VSTDICC100	VD080015.D	14 Nov 2024 19:49		RP/MD	Not Ok
7	VSTDICC150	VSTDICC150	VD080016.D	14 Nov 2024 20:16		RP/MD	Not Ok
8	VSTDICV050	ICVVD111524	VD080017.D	14 Nov 2024 20:43	ICV Failed for comp. #13	RP/MD	Not Ok
9	VIBLK	VIBLK	VD080018.D	14 Nov 2024 21:36		RP/MD	Not Ok
10	BFB	BFB	VD080019.D	15 Nov 2024 09:14		RP/MD	Ok
11	VSTDICC005	VSTDICC005	VD080020.D	15 Nov 2024 10:04	QR @ comp #05	RP/MD	Ok,M
12	VSTDICC010	VSTDICC010	VD080021.D	15 Nov 2024 10:31	%D fail for comp #05 in 10PPB	RP/MD	Ok,M
13	VSTDICC020	VSTDICC020	VD080022.D	15 Nov 2024 10:58		RP/MD	Ok,M
14	VSTDICCC050	VSTDICCC050	VD080023.D	15 Nov 2024 11:24		RP/MD	Ok,M
15	VSTDICC100	VSTDICC100	VD080024.D	15 Nov 2024 11:51		RP/MD	Ok,M
16	VSTDICC150	VSTDICC150	VD080025.D	15 Nov 2024 12:18		RP/MD	Ok,M
17	VSTDICV050	ICVVD111524	VD080026.D	15 Nov 2024 15:44		RP/MD	Ok,M

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111524

Review By	Mahesh Dadoda	Review On	11/18/2024 3:13:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:20 PM		
SubDirectory	VD111524	HP Acquire Method		HP Processing Method	82d111424s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131514
Initial Calibration Stds	VP131516,VP131518,VP131520,VP131522,VP131524,VP131526
CCC	VP131535,VP131536
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131528
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	VD1115SBL01	VBLK21	VD080027.D	15 Nov 2024 16:19		RP/MD	Ok
19	VD1115SBS01	VD1115SBS01	VD080028.D	15 Nov 2024 16:46		RP/MD	Ok,M
20	P4837-03	3TRK-STONE	VD080029.D	15 Nov 2024 17:13	vial-A	RP/MD	Ok
21	P4836-03	T3-STONE	VD080030.D	15 Nov 2024 17:40	ISTD Fail vial-A	RP/MD	ReRun
22	P4835-03	345-2-STONE	VD080031.D	15 Nov 2024 18:07	vial-A	RP/MD	Ok
23	P4834-03	SLP-1-STONE	VD080032.D	15 Nov 2024 18:34	Internal Standard and Surrogate Fail VIAL- A	RP/MD	ReRun
24	P4838-03	T1-STONE	VD080033.D	15 Nov 2024 19:01	ISTD Fail :Vial- A	RP/MD	ReRun
25	P4833-03	MH-731-VOC	VD080034.D	15 Nov 2024 19:28	Internal not spike; Surrogate fail Vial- A	RP/MD	Not Ok
26	VD1115SBSD01	VD1115SBSD01	VD080035.D	15 Nov 2024 19:55		RP/MD	Ok,M
27	VSTDCCC050	VSTD05021	VD080036.D	15 Nov 2024 20:22		RP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111824

Review By	Mahesh Dadoda	Review On	11/19/2024 1:21:34 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/19/2024 1:22:24 PM				
SubDirectory	VD111824	HP Acquire Method	MSVOA_D	HP Processing Method	82d111424s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131590
Initial Calibration Stds	
CCC	VP131593,VP131594
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VD080057.D	18 Nov 2024 09:21		RP/MD	Ok
2	VSTDCCC050	VSTDCCC050	VD080058.D	18 Nov 2024 09:51		RP/MD	Ok,M
3	VD1118SBL01	VD1118SBL01	VD080059.D	18 Nov 2024 10:27		RP/MD	Ok
4	VD1118SBS01	VD1118SBS01	VD080060.D	18 Nov 2024 10:55		RP/MD	Ok,M
5	VD1118SBSD01	VD1118SBSD01	VD080061.D	18 Nov 2024 11:22		RP/MD	Ok,M
6	P4825-01RE	STOCK-PILERE	VD080062.D	18 Nov 2024 12:08	Internal Standard Fail ;Surrogate fail VIAL- B	RP/MD	Confirms
7	P4824-01RE	T-20RE	VD080063.D	18 Nov 2024 12:35	Internal Standard Fail ;Surrogate fail VIAL- B	RP/MD	Confirms
8	P4857-03RE	VNJ-226RE	VD080064.D	18 Nov 2024 13:02	ISTD Fail vial-B	RP/MD	Confirms
9	P4859-01	NB-08-111424	VD080065.D	18 Nov 2024 13:30	vial-B	RP/MD	Ok
10	P4869-01	EO-02-11152024	VD080066.D	18 Nov 2024 13:57	vial-A	RP/MD	Ok
11	P4848-01	TP-1	VD080067.D	18 Nov 2024 14:24	Internal Standard Fail ;Surrogate fail VIAL- A	RP/MD	ReRun
12	P4852-01	COMP-1	VD080068.D	18 Nov 2024 14:51	Internal Standard Fail ;Surrogate fail VIAL- A	RP/MD	ReRun
13	P4852-02	COMP-2	VD080069.D	18 Nov 2024 15:18	Internal Standard Fail ;Surrogate fail VIAL- A	RP/MD	ReRun
14	P4852-03	COMP-3	VD080070.D	18 Nov 2024 15:45	Internal Standard Fail ;Surrogate fail VIAL- A	RP/MD	ReRun
15	P4850-01	OR-03-11142024	VD080071.D	18 Nov 2024 16:12	vial-A	RP/MD	Ok
16	P4860-01	DUP-01	VD080072.D	18 Nov 2024 16:39	vial-A	RP/MD	Ok

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111824

Review By	Mahesh Dadoda	Review On	11/19/2024 1:21:34 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/19/2024 1:22:24 PM		
SubDirectory	VD111824	HP Acquire Method	MSVOA_D	HP Processing Method	82d111424s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131590
Initial Calibration Stds	
CCC	VP131593,VP131594
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4860-02	PH2-BOT-001	VD080073.D	18 Nov 2024 17:06	vial-A	RP/MD	Ok
18	P4860-03	PH2-BOT-002	VD080074.D	18 Nov 2024 17:33	Internal Standard Fail vial-A	RP/MD	ReRun
19	P4860-04	PH2-BOT-003	VD080075.D	18 Nov 2024 18:00	vial-A	RP/MD	Ok
20	P4860-05	PH2-BOT-004	VD080076.D	18 Nov 2024 18:28	vial-A	RP/MD	Ok
21	P4860-06	PH2-BOT-009	VD080077.D	18 Nov 2024 18:55	vial-A comp.#81 is out of range	RP/MD	Not Ok
22	P4860-07	PH2-BOT-008	VD080078.D	18 Nov 2024 19:22	vial-A	RP/MD	Ok
23	P4860-08	PH2-BOT-007	VD080079.D	18 Nov 2024 19:49	vial-A	RP/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VD080080.D	18 Nov 2024 20:16		RP/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111924

Review By	Mahesh Dadoda	Review On	11/20/2024 1:01:03 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/20/2024 1:03:18 PM		
SubDirectory	VY111924	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131638
Initial Calibration Stds	VP131639,VP131640,VP131641,VP131642,VP131643,VP131644
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP131645
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020337.D	19 Nov 2024 14:40		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020338.D	19 Nov 2024 15:49		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY020339.D	19 Nov 2024 16:12		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020340.D	19 Nov 2024 16:35		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY020341.D	19 Nov 2024 16:57	Comp.#3 is on Linear Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY020342.D	19 Nov 2024 17:20	Comp.#11 is on Quadratic Regression	SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY020343.D	19 Nov 2024 17:42		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020344.D	19 Nov 2024 18:06		SY/MD	Ok
9	VSTDICV050	ICVVY111924	VY020345.D	19 Nov 2024 18:52		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112024

Review By	Mahesh Dadoda	Review On	11/21/2024 3:23:29 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/21/2024 3:24:50 PM		
SubDirectory	VY112024	HP Acquire Method	MSVOA_Y	HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131659
Initial Calibration Stds	
CCC	VP131661,VP131662
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020346.D	20 Nov 2024 08:23		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020347.D	20 Nov 2024 09:34		SY/MD	Ok,M
3	VY1120SBL01	VY1120SBL01	VY020348.D	20 Nov 2024 10:07		SY/MD	Ok
4	VY1120SBS01	VY1120SBS01	VY020349.D	20 Nov 2024 10:53		SY/MD	Ok,M
5	VY1120SBSD01	VY1120SBSD01	VY020350.D	20 Nov 2024 11:16		SY/MD	Ok,M
6	P4910-07	MH-759-VOC	VY020351.D	20 Nov 2024 11:57	Internal Standard Fail vial-A	SY/MD	ReRun
7	P4910-03	MH-COTTAGE-VOC	VY020352.D	20 Nov 2024 12:20	Internal Standard Fail vial-A	SY/MD	ReRun
8	P4929-01	ARS520	VY020353.D	20 Nov 2024 12:44	Internal Standard Fail vial-A	SY/MD	ReRun
9	P4924-03	MH-4-VOC	VY020354.D	20 Nov 2024 13:07	vial-A	SY/MD	Ok
10	P4916-03	TP-1-VOC	VY020355.D	20 Nov 2024 13:30	vial-A	SY/MD	Ok
11	P4916-07	TP-2-VOC	VY020356.D	20 Nov 2024 13:54	vial-A	SY/MD	Ok
12	P4916-11	TP-3-VOC	VY020357.D	20 Nov 2024 14:17	vial-A	SY/MD	Ok
13	P4909-02	BU-02-111824	VY020358.D	20 Nov 2024 14:41	Internal Standard Fail vial-A	SY/MD	ReRun
14	P4908-01	SP-1	VY020359.D	20 Nov 2024 15:04	vial-A	SY/MD	Ok
15	P4908-03	SP-2	VY020360.D	20 Nov 2024 15:27	Internal Standard Fail vial-A	SY/MD	ReRun
16	P4870-03	TP-1-VOC	VY020361.D	20 Nov 2024 15:51	Internal Standard Fail vial-A	SY/MD	ReRun
17	P4870-12	TP-15-VOC	VY020362.D	20 Nov 2024 16:14	Internal Standard Fail vial-A	SY/MD	ReRun
18	P4870-09	MH-736-VOC	VY020363.D	20 Nov 2024 16:38	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112024

Review By	Mahesh Dadoda	Review On	11/21/2024 3:23:29 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/21/2024 3:24:50 PM		
SubDirectory	VY112024	HP Acquire Method	MSVOA_Y	HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131659
Initial Calibration Stds	
CCC	VP131661,VP131662
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4870-06	MH-735-VOC	VY020364.D	20 Nov 2024 17:01	Internal Standard Fail vial-A	SY/MD	ReRun
20	P4849-01	RR-1	VY020365.D	20 Nov 2024 17:24	vial-A	SY/MD	Ok
21	P4887-04	MH-739-VOC	VY020366.D	20 Nov 2024 17:48	vial-A	SY/MD	Ok
22	P4887-08	MH-760-VOC	VY020367.D	20 Nov 2024 18:11	vial-A	SY/MD	Ok
23	P4860-03	PH2-BOT-002	VY020368.D	20 Nov 2024 18:35	vial-B	SY/MD	Ok
24	P4860-06	PH2-BOT-009	VY020369.D	20 Nov 2024 18:58	vial-B	SY/MD	Ok
25	P4768-04	B-4	VY020370.D	20 Nov 2024 19:22	vial-B	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY020371.D	20 Nov 2024 19:44		SY/MD	Ok,M

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:31:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:36:07 PM		
SubDirectory	VY112124	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131692
Initial Calibration Stds	
CCC	VP131693,VP131694
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020372.D	21 Nov 2024 08:32		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020373.D	21 Nov 2024 09:25		SY/MD	Ok,M
3	VY1121SBL01	VY1121SBL01	VY020374.D	21 Nov 2024 09:59		SY/MD	Ok
4	VY1121SBS01	VY1121SBS01	VY020375.D	21 Nov 2024 10:39		SY/MD	Ok,M
5	VY1121SBSD01	VY1121SBSD01	VY020376.D	21 Nov 2024 11:02		SY/MD	Ok,M
6	P4852-01	COMP-1	VY020377.D	21 Nov 2024 11:25	vial-B	SY/MD	Ok
7	P4852-02RE	COMP-2RE	VY020378.D	21 Nov 2024 11:49	ISTD Fail vial-B	SY/MD	Confirms
8	P4852-03	COMP-3	VY020379.D	21 Nov 2024 12:12	vial-B	SY/MD	Ok
9	P4908-03	SP-2	VY020380.D	21 Nov 2024 12:36	Vial-B	SY/MD	Ok
10	P4909-02	BU-02-111824	VY020381.D	21 Nov 2024 12:59	Vial-B	SY/MD	Ok
11	P4929-01RE	ARS520RE	VY020382.D	21 Nov 2024 13:23	Internal Standard Fail vial-B	SY/MD	Confirms
12	P4910-07	MH-759-VOC	VY020383.D	21 Nov 2024 13:46	vial-B	SY/MD	Ok
13	P4910-03	MH-COTTAGE-VOC	VY020384.D	21 Nov 2024 14:09	vial-B	SY/MD	Ok
14	P4870-03	TP-1-VOC	VY020385.D	21 Nov 2024 14:33	vial-B	SY/MD	Ok
15	P4870-06	MH-735-VOC	VY020386.D	21 Nov 2024 14:56	vial-B	SY/MD	Ok
16	P4870-12	TP-15-VOC	VY020387.D	21 Nov 2024 15:20	vial-B	SY/MD	Ok
17	P4892-02	WB-310-BOT	VY020388.D	21 Nov 2024 15:43	Internal Standard Fail vial-B	SY/MD	ReRun
18	P4860-10	PH2-BOT-005	VY020389.D	21 Nov 2024 16:06	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:31:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:36:07 PM		
SubDirectory	VY112124	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131692
Initial Calibration Stds	
CCC	VP131693,VP131694
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4860-09	PH2-BOT-006	VY020390.D	21 Nov 2024 16:30	vial-A	SY/MD	Ok
20	P4925-03	MH-741-VOC	VY020391.D	21 Nov 2024 16:53	vial-A	SY/MD	Ok
21	P4893-03	MH-763-VOC	VY020392.D	21 Nov 2024 17:17	vial-A	SY/MD	Ok
22	P4893-07	MH-762-VOC	VY020393.D	21 Nov 2024 17:40	vial-A	SY/MD	Ok
23	P4925-07	MH-758-VOC	VY020394.D	21 Nov 2024 18:04	vial-A	SY/MD	Ok
24	P4892-01	WB-310-TOP	VY020395.D	21 Nov 2024 18:27	vial-A	SY/MD	Ok
25	P4938-07	MH-734-VOC	VY020396.D	21 Nov 2024 18:50	vial-A	SY/MD	Ok
26	P4938-03	MH-732-VOC	VY020397.D	21 Nov 2024 19:14	vial-A	SY/MD	Ok
27	P4936-01	PL-01-11202024	VY020398.D	21 Nov 2024 19:37	Internal Standard Fail vial-A	SY/MD	ReRun
28	VSTDCCC050	VSTDCCC050EC	VY020399.D	21 Nov 2024 20:00		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	P4860	**OrderDate:**	11/14/2024 1:36:41 PM
Client:	Tetra Tech	**Project:**	Ocean County Landfill 2024
Contact:	John Giuliano	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4860-01	**DUP-01**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/18/24	
P4860-02	**PH2-BOT-001**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/18/24	
P4860-03	**PH2-BOT-002**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/20/24	
P4860-04	**PH2-BOT-003**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/18/24	
P4860-05	**PH2-BOT-004**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/18/24	
P4860-06	**PH2-BOT-009**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/20/24	
P4860-07	**PH2-BOT-008**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/18/24	
P4860-08	**PH2-BOT-007**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/18/24	
P4860-09	**PH2-BOT-006**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/21/24	
P4860-10	**PH2-BOT-005**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/21/24	

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Hit Summary Sheet
SW-846

SDG No.: P4860

Client: Tetra Tech

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : DUP-01									
P4860-01	DUP-01	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	120.000	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	85.100	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	Cholestan-3-one, (5.alpha.)-	*	200.000	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	Heneicosane	*	72.800	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	n-Hexadecanoic acid	*	260.000	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	Octacosane	*	80.700	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	Retene	*	250.000	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	unknown16.286	*	210.000	J	0	0	ug/Kg
			Total Tics :		**1,438.60**				
			Total Concentration:		**1,438.60**				
Client ID : PH2-BOT-001									
P4860-02	PH2-BOT-001	SOIL	Bis(2-ethylhexyl)phthalate		420.000		93.9	180	ug/Kg
			Total Svoc :		**420.00**				
P4860-02	PH2-BOT-001	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	730.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	1H-Indole, 2-methyl-3-phenyl-	*	360.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	220.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	5.beta.-Cholestan-3.alpha.-ol, 2-m	*	1,600.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Butane, 2-methoxy-2-methyl-	*	1,200.000	JB	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Cholestan-2-one	*	1,800.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Cyclohexane, 1,3,5-triphenyl-	*	600.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Eicosane	*	750.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Heneicosane	*	650.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Heneicosane, 11-(1-ethylpropyl)-	*	420.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Heptadecane	*	410.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Hexadecane, 2,6,10-trimethyl-	*	230.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	n-Hexadecanoic acid	*	500.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Octacosane	*	410.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Stigmastanol	*	320.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Supraene	*	250.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Tetradecane, 2,6,10-trimethyl-	*	240.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Tricosane	*	950.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Tridecane, 6-propyl-	*	240.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	unknown17.657	*	440.000	J	0	0	ug/Kg
			Total Tics :		**12,320.00**				
			Total Concentration:		**12,740.00**				

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Hit Summary Sheet
SW-846

SDG No.: P4860

Client: Tetra Tech

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PH2-BOT-002**								
P4860-03	PH2-BOT-002	SOIL	Bis(2-ethylhexyl)phthalate		95.800	J	94	180	ug/Kg
			Total Svoc :		**95.80**				
P4860-03	PH2-BOT-002	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	84.400	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	Benzophenone	*	510.000	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	Cholestan-3-ol, (3.alpha.,5.beta.)	*	530.000	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	Cholestan-3-one, (5.beta.)-	*	390.000	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	Hexacosane	*	130.000	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	Methanone, (1-hydroxycyclohexy	*	82.300	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	n-Hexadecanoic acid	*	180.000	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	Supraene	*	100.000	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	unknown17.068	*	98.500	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	unknown17.657	*	110.000	J	0	0	ug/Kg
			Total Tics :		**2,215.20**				
			Total Concentration:		**2,311.00**				
Client ID :	**PH2-BOT-003**								
P4860-04	PH2-BOT-003	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	70.800	A	0	0	ug/Kg
P4860-04	PH2-BOT-003	SOIL	Benzophenone	*	140.000	J	0	0	ug/Kg
P4860-04	PH2-BOT-003	SOIL	n-Hexadecanoic acid	*	120.000	J	0	0	ug/Kg
P4860-04	PH2-BOT-003	SOIL	Squalene	*	91.900	J	0	0	ug/Kg
P4860-04	PH2-BOT-003	SOIL	Trichloroacetic acid, pentadecyl e	*	170.000	J	0	0	ug/Kg
P4860-04	PH2-BOT-003	SOIL	unknown16.427	*	77.300	J	0	0	ug/Kg
			Total Tics :		**670.00**				
			Total Concentration:		**670.00**				
Client ID :	**PH2-BOT-004**								
P4860-05	PH2-BOT-004	SOIL	Benzophenone	*	370.000	J	0	0	ug/Kg
P4860-05	PH2-BOT-004	SOIL	Butane, 2-methoxy-2-methyl-	*	1,400.000	JB	0	0	ug/Kg
P4860-05	PH2-BOT-004	SOIL	n-Hexadecanoic acid	*	93.900	J	0	0	ug/Kg
P4860-05	PH2-BOT-004	SOIL	Pentadecafluorooctanoic acid, oct	*	150.000	J	0	0	ug/Kg
			Total Tics :		**2,013.90**				
			Total Concentration:		**2,013.90**				
Client ID :	**PH2-BOT-009**								
P4860-06	PH2-BOT-009	SOIL	1-Hexadecanol	*	120.000	J	0	0	ug/Kg
P4860-06	PH2-BOT-009	SOIL	Benzophenone	*	400.000	J	0	0	ug/Kg
P4860-06	PH2-BOT-009	SOIL	Methanone, (1-hydroxycyclohexy	*	70.100	J	0	0	ug/Kg
			Total Tics :		**590.10**				
			Total Concentration:		**590.10**				
Client ID :	**PH2-BOT-008**								
P4860-07	PH2-BOT-008	SOIL	1-Hydroxycyclohexanecarboxylic	*	74.600	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: P4860

Client: Tetra Tech

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P4860-07	PH2-BOT-008	SOIL	Benzophenone	*	500.000	J	0	0	ug/Kg
P4860-07	PH2-BOT-008	SOIL	n-Hexadecanoic acid	*	89.800	J	0	0	ug/Kg
			Total Tics :		**664.40**				
			Total Concentration:		**664.40**				
Client ID :	**PH2-BOT-007**								
P4860-08	PH2-BOT-007	SOIL	1-Tetracosene	*	150.000	J	0	0	ug/Kg
P4860-08	PH2-BOT-007	SOIL	Benzophenone	*	320.000	J	0	0	ug/Kg
P4860-08	PH2-BOT-007	SOIL	Butane, 2-methoxy-2-methyl-	*	1,200.000	JB	0	0	ug/Kg
P4860-08	PH2-BOT-007	SOIL	n-Hexadecanoic acid	*	130.000	J	0	0	ug/Kg
			Total Tics :		**1,800.00**				
			Total Concentration:		**1,800.00**				
Client ID :	**PH2-BOT-006**								
P4860-09	PH2-BOT-006	SOIL	Benzophenone	*	330.000	J	0	0	ug/Kg
P4860-09	PH2-BOT-006	SOIL	n-Hexadecanoic acid	*	220.000	J	0	0	ug/Kg
P4860-09	PH2-BOT-006	SOIL	n-Nonadecanol-1	*	170.000	J	0	0	ug/Kg
P4860-09	PH2-BOT-006	SOIL	unknown16.457	*	78.100	J	0	0	ug/Kg
			Total Tics :		**798.10**				
			Total Concentration:		**798.10**				
Client ID :	**PH2-BOT-005**								
P4860-10	PH2-BOT-005	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	81.900	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Benzophenone	*	330.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	JB	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Cholestan-3-one	*	220.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Eicosane	*	100.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Heneicosane	*	79.800	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Isobutyl tetracosyl ether	*	280.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	n-Hexadecanoic acid	*	170.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Octacosane, 2-methyl-	*	74.700	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Triacontane	*	140.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	unknown16.245	*	230.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	unknown16.498	*	75.700	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	unknown17.439	*	77.400	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	unknown17.651	*	70.600	J	0	0	ug/Kg
			Total Tics :		**3,030.10**				
			Total Concentration:		**3,030.10**				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140609.D	1	11/16/24 08:51	11/25/24 18:07	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	85.4	U	85.4	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86.2	U	86.2	180	ug/Kg
95-57-8	2-Chlorophenol	86.0	U	86.0	180	ug/Kg
95-48-7	2-Methylphenol	83.0	U	83.0	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.6	U	93.6	180	ug/Kg
98-86-2	Acetophenone	89.5	U	89.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	82.2	U	82.2	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.5	U	41.5	82.4	ug/Kg
67-72-1	Hexachloroethane	85.5	U	85.5	180	ug/Kg
98-95-3	Nitrobenzene	93.5	U	93.5	180	ug/Kg
78-59-1	Isophorone	87.1	U	87.1	180	ug/Kg
88-75-5	2-Nitrophenol	97.3	U	97.3	180	ug/Kg
105-67-9	2,4-Dimethylphenol	96.0	U	96.0	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	88.4	U	88.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	77.8	U	77.8	180	ug/Kg
91-20-3	Naphthalene	85.1	U	85.1	180	ug/Kg
106-47-8	4-Chloroaniline	85.1	UQ	85.1	180	ug/Kg
87-68-3	Hexachlorobutadiene	85.8	U	85.8	180	ug/Kg
105-60-2	Caprolactam	89.4	U	89.4	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.8	U	79.8	180	ug/Kg
91-57-6	2-Methylnaphthalene	85.0	U	85.0	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.5	U	73.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.2	U	76.2	180	ug/Kg
92-52-4	1,1-Biphenyl	90.0	U	90.0	180	ug/Kg
91-58-7	2-Chloronaphthalene	85.8	U	85.8	180	ug/Kg
88-74-4	2-Nitroaniline	97.8	U	97.8	180	ug/Kg
131-11-3	Dimethylphthalate	84.1	U	84.1	180	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140609.D	1	11/16/24 08:51	11/25/24 18:07	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	89.1	U	89.1	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.7	U	85.7	180	ug/Kg
99-09-2	3-Nitroaniline	91.9	UQ	91.9	180	ug/Kg
83-32-9	Acenaphthene	83.5	U	83.5	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	86.9	U	86.9	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.8	U	88.8	180	ug/Kg
84-66-2	Diethylphthalate	82.5	U	82.5	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88.2	U	88.2	180	ug/Kg
86-73-7	Fluorene	88.1	U	88.1	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84.0	U	84.0	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	81.3	U	81.3	180	ug/Kg
118-74-1	Hexachlorobenzene	87.5	U	87.5	180	ug/Kg
1912-24-9	Atrazine	94.1	U	94.1	180	ug/Kg
87-86-5	Pentachlorophenol	79.6	U	79.6	340	ug/Kg
85-01-8	Phenanthrene	86.5	U	86.5	180	ug/Kg
120-12-7	Anthracene	86.9	U	86.9	180	ug/Kg
86-74-8	Carbazole	82.7	U	82.7	180	ug/Kg
84-74-2	Di-n-butylphthalate	86.8	U	86.8	180	ug/Kg
206-44-0	Fluoranthene	84.1	U	84.1	180	ug/Kg
129-00-0	Pyrene	85.5	U	85.5	180	ug/Kg
85-68-7	Butylbenzylphthalate	99.7	U	99.7	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	83.1	U	83.1	180	ug/Kg
218-01-9	Chrysene	81.9	U	81.9	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.7	U	93.7	180	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.5	U	83.5	180	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140609.D	1	11/16/24 08:51	11/25/24 18:07	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	85.1	U	85.1	180	ug/Kg
50-32-8	Benzo(a)pyrene	95.8	U	95.8	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.4	U	80.4	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.6	U	83.6	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.5	U	82.5	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	180	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.9	U	76.9	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	98.6		30 (18) - 130 (112)	66%	SPK: 150
13127-88-3	Phenol-d6	97.7		30 (15) - 130 (107)	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.9		30 (18) - 130 (107)	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.5		30 (20) - 130 (109)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.4		30 (10) - 130 (116)	62%	SPK: 150
1718-51-0	Terphenyl-d14	71.0		30 (10) - 130 (105)	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	64400	6.869			
1146-65-2	Naphthalene-d8	240000	8.151			
15067-26-2	Acenaphthene-d10	128000	9.904			
1517-22-2	Phenanthrene-d10	245000	11.392			
1719-03-5	Chrysene-d12	152000	14.045			
1520-96-3	Perylene-d12	135000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	160	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	260	J		11.9	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	85.1	J		12.3	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	120	J		12.6	ug/Kg
000483-65-8	Retene	250	J		13.1	ug/Kg
000629-94-7	Heneicosane	72.8	J		13.9	ug/Kg
000630-02-4	Octacosane	80.7	J		15.2	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140609.D	1	11/16/24 08:51	11/25/24 18:07	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown16.286	210	J		16.3	ug/Kg
000566-88-1	Cholestan-3-one, (5.alpha.)-	200	J		16.4	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140588.D	1	11/16/24 08:51	11/22/24 19:53	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	85.6	U	85.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86.4	U	86.4	180	ug/Kg
95-57-8	2-Chlorophenol	86.2	U	86.2	180	ug/Kg
95-48-7	2-Methylphenol	83.2	U	83.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.8	U	93.8	180	ug/Kg
98-86-2	Acetophenone	89.7	U	89.7	180	ug/Kg
65794-96-9	3+4-Methylphenols	82.4	U	82.4	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.6	U	41.6	82.6	ug/Kg
67-72-1	Hexachloroethane	85.7	U	85.7	180	ug/Kg
98-95-3	Nitrobenzene	93.7	U	93.7	180	ug/Kg
78-59-1	Isophorone	87.3	U	87.3	180	ug/Kg
88-75-5	2-Nitrophenol	97.6	U	97.6	180	ug/Kg
105-67-9	2,4-Dimethylphenol	96.2	U	96.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	88.6	U	88.6	180	ug/Kg
120-83-2	2,4-Dichlorophenol	77.9	U	77.9	180	ug/Kg
91-20-3	Naphthalene	85.3	U	85.3	180	ug/Kg
106-47-8	4-Chloroaniline	85.3	UQ	85.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	86.0	U	86.0	180	ug/Kg
105-60-2	Caprolactam	89.6	U	89.6	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	80.0	U	80.0	180	ug/Kg
91-57-6	2-Methylnaphthalene	85.2	U	85.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.7	U	73.7	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.4	U	76.4	180	ug/Kg
92-52-4	1,1-Biphenyl	90.2	U	90.2	180	ug/Kg
91-58-7	2-Chloronaphthalene	86.0	U	86.0	180	ug/Kg
88-74-4	2-Nitroaniline	98.1	U	98.1	180	ug/Kg
131-11-3	Dimethylphthalate	84.3	U	84.3	180	ug/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140588.D	1	11/16/24 08:51	11/22/24 19:53	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	89.3	U	89.3	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.9	U	85.9	180	ug/Kg
99-09-2	3-Nitroaniline	92.1	UQ	92.1	180	ug/Kg
83-32-9	Acenaphthene	83.7	U	83.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	87.1	U	87.1	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	89.0	U	89.0	180	ug/Kg
84-66-2	Diethylphthalate	82.7	U	82.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88.4	U	88.4	180	ug/Kg
86-73-7	Fluorene	88.3	U	88.3	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84.2	U	84.2	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	81.5	U	81.5	180	ug/Kg
118-74-1	Hexachlorobenzene	87.8	U	87.8	180	ug/Kg
1912-24-9	Atrazine	94.4	U	94.4	180	ug/Kg
87-86-5	Pentachlorophenol	79.8	U	79.8	340	ug/Kg
85-01-8	Phenanthrene	86.7	U	86.7	180	ug/Kg
120-12-7	Anthracene	87.1	U	87.1	180	ug/Kg
86-74-8	Carbazole	82.9	U	82.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	87.0	U	87.0	180	ug/Kg
206-44-0	Fluoranthene	84.3	U	84.3	180	ug/Kg
129-00-0	Pyrene	85.7	U	85.7	180	ug/Kg
85-68-7	Butylbenzylphthalate	99.9	U	99.9	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	83.3	U	83.3	180	ug/Kg
218-01-9	Chrysene	82.1	U	82.1	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	420		93.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.7	U	83.7	180	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140588.D	1	11/16/24 08:51	11/22/24 19:53	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	85.3	U	85.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	96.0	U	96.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.6	U	80.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.8	U	83.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.7	U	82.7	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.6	U	89.6	180	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	77.1	U	77.1	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	99.7		30 (18) - 130 (112)	66%	SPK: 150
13127-88-3	Phenol-d6	96.8		30 (15) - 130 (107)	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.8		30 (18) - 130 (107)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.9		30 (20) - 130 (109)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.7		30 (10) - 130 (116)	58%	SPK: 150
1718-51-0	Terphenyl-d14	67.9		30 (10) - 130 (105)	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	92000	6.869			
1146-65-2	Naphthalene-d8	310000	8.151			
15067-26-2	Acenaphthene-d10	141000	9.904			
1517-22-2	Phenanthrene-d10	224000	11.398			
1719-03-5	Chrysene-d12	149000	14.045			
1520-96-3	Perylene-d12	113000	15.533			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1200	JB		2.13	ug/Kg
055000-52-7	Hexadecane, 2,6,10-trimethyl-	230	J		10.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	500	J		11.9	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	220	J		12.3	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	730	J		12.7	ug/Kg
055045-10-8	Tridecane, 6-propyl-	240	J		13.2	ug/Kg
000629-78-7	Heptadecane	410	J		13.6	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140588.D	1	11/16/24 08:51	11/22/24 19:53	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
028336-57-4	Cyclohexane, 1,3,5-triphenyl-	600	J		13.8	ug/Kg
000112-95-8	Eicosane	750	J		13.9	ug/Kg
004757-69-1	1H-Indole, 2-methyl-3-phenyl-	360	J		14.2	ug/Kg
000638-67-5	Tricosane	950	J		14.2	ug/Kg
000629-94-7	Heneicosane	650	J		14.5	ug/Kg
000630-02-4	Octacosane	410	J		14.8	ug/Kg
007683-64-9	Supraene	250	J		14.9	ug/Kg
055282-11-6	Heneicosane, 11-(1-ethylpropyl)-	420	J		15.2	ug/Kg
014905-56-7	Tetradecane, 2,6,10-trimethyl-	240	J		16.0	ug/Kg
1000514-95-7	5.beta.-Cholestan-3.alpha.-ol, 2-m	1600	J		16.2	ug/Kg
1010210-43-4	Cholestan-2-one	1800	J		16.5	ug/Kg
019466-47-8	Stigmastanol	320	J		17.4	ug/Kg
	unknown17.657	440	J		17.7	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
Sample Wt/Vol:	30.05 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
BF140622.D	1	11/16/24 08:51	11/25/24 23:48	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	85.7	U	85.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86.5	U	86.5	180	ug/Kg
95-57-8	2-Chlorophenol	86.3	U	86.3	180	ug/Kg
95-48-7	2-Methylphenol	83.3	U	83.3	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.9	U	93.9	180	ug/Kg
98-86-2	Acetophenone	89.8	U	89.8	180	ug/Kg
65794-96-9	3+4-Methylphenols	82.5	U	82.5	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.6	U	41.6	82.7	ug/Kg
67-72-1	Hexachloroethane	85.8	U	85.8	180	ug/Kg
98-95-3	Nitrobenzene	93.8	U	93.8	180	ug/Kg
78-59-1	Isophorone	87.4	U	87.4	180	ug/Kg
88-75-5	2-Nitrophenol	97.7	U	97.7	180	ug/Kg
105-67-9	2,4-Dimethylphenol	96.3	U	96.3	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	88.7	U	88.7	180	ug/Kg
120-83-2	2,4-Dichlorophenol	78.0	U	78.0	180	ug/Kg
91-20-3	Naphthalene	85.4	U	85.4	180	ug/Kg
106-47-8	4-Chloroaniline	85.4	UQ	85.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	86.1	U	86.1	180	ug/Kg
105-60-2	Caprolactam	89.7	U	89.7	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	80.1	U	80.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	85.3	U	85.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.8	U	73.8	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.5	U	76.5	180	ug/Kg
92-52-4	1,1-Biphenyl	90.3	U	90.3	180	ug/Kg
91-58-7	2-Chloronaphthalene	86.1	U	86.1	180	ug/Kg
88-74-4	2-Nitroaniline	98.2	U	98.2	180	ug/Kg
131-11-3	Dimethylphthalate	84.4	U	84.4	180	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
Sample Wt/Vol:	30.05 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
BF140622.D	1	11/16/24 08:51	11/25/24 23:48	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	89.4	U	89.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	86.0	U	86.0	180	ug/Kg
99-09-2	3-Nitroaniline	92.2	UQ	92.2	180	ug/Kg
83-32-9	Acenaphthene	83.8	U	83.8	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	87.2	U	87.2	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	89.1	U	89.1	180	ug/Kg
84-66-2	Diethylphthalate	82.8	U	82.8	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88.5	U	88.5	180	ug/Kg
86-73-7	Fluorene	88.4	U	88.4	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84.3	U	84.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	81.5	U	81.5	180	ug/Kg
118-74-1	Hexachlorobenzene	87.8	U	87.8	180	ug/Kg
1912-24-9	Atrazine	94.5	U	94.5	180	ug/Kg
87-86-5	Pentachlorophenol	79.9	U	79.9	340	ug/Kg
85-01-8	Phenanthrene	86.8	U	86.8	180	ug/Kg
120-12-7	Anthracene	87.2	U	87.2	180	ug/Kg
86-74-8	Carbazole	83.0	U	83.0	180	ug/Kg
84-74-2	Di-n-butylphthalate	87.1	U	87.1	180	ug/Kg
206-44-0	Fluoranthene	84.4	U	84.4	180	ug/Kg
129-00-0	Pyrene	85.8	U	85.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	83.4	U	83.4	180	ug/Kg
218-01-9	Chrysene	82.2	U	82.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.8	J	94.0	180	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.8	U	83.8	180	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
Sample Wt/Vol:	30.05 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
BF140622.D	1	11/16/24 08:51	11/25/24 23:48	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	85.4	U	85.4	180	ug/Kg
50-32-8	Benzo(a)pyrene	96.1	U	96.1	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.7	U	80.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.9	U	83.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.8	U	82.8	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.7	U	89.7	180	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	77.2	U	77.2	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	110		30 (18) - 130 (112)	74%	SPK: 150
13127-88-3	Phenol-d6	108		30 (15) - 130 (107)	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.3		30 (18) - 130 (107)	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.4		30 (20) - 130 (109)	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		30 (10) - 130 (116)	73%	SPK: 150
1718-51-0	Terphenyl-d14	69.3		30 (10) - 130 (105)	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57900	6.869			
1146-65-2	Naphthalene-d8	212000	8.151			
15067-26-2	Acenaphthene-d10	115000	9.904			
1517-22-2	Phenanthrene-d10	211000	11.392			
1719-03-5	Chrysene-d12	124000	14.045			
1520-96-3	Perylene-d12	108000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	510	J		10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	82.3	J		10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J		11.9	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	84.4	J		12.6	ug/Kg
007683-64-9	Supraene	100	J		14.9	ug/Kg
000630-01-3	Hexacosane	130	J		15.2	ug/Kg
000516-92-7	Cholestan-3-ol, (3.alpha.,5.beta.)	530	J		16.3	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
Sample Wt/Vol:	30.05 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
BF140622.D	1	11/16/24 08:51	11/25/24 23:48	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000601-53-6	Cholestan-3-one, (5.beta.)-	390	J		16.4	ug/Kg
	unknown17.068	98.5	J		17.1	ug/Kg
	unknown17.657	110	J		17.7	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140620.D	1	11/16/24 08:51	11/25/24 22:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	84.7	U	84.7	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.5	U	85.5	170	ug/Kg
95-57-8	2-Chlorophenol	85.3	U	85.3	170	ug/Kg
95-48-7	2-Methylphenol	82.3	U	82.3	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	92.9	U	92.9	170	ug/Kg
98-86-2	Acetophenone	88.8	U	88.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.5	U	81.5	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.2	U	41.2	81.7	ug/Kg
67-72-1	Hexachloroethane	84.8	U	84.8	170	ug/Kg
98-95-3	Nitrobenzene	92.7	U	92.7	170	ug/Kg
78-59-1	Isophorone	86.4	U	86.4	170	ug/Kg
88-75-5	2-Nitrophenol	96.5	U	96.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	95.2	U	95.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.6	U	87.6	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77.1	U	77.1	170	ug/Kg
91-20-3	Naphthalene	84.4	U	84.4	170	ug/Kg
106-47-8	4-Chloroaniline	84.4	UQ	84.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	85.1	U	85.1	170	ug/Kg
105-60-2	Caprolactam	88.7	U	88.7	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.2	U	79.2	170	ug/Kg
91-57-6	2-Methylnaphthalene	84.3	U	84.3	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.9	U	72.9	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.6	U	75.6	170	ug/Kg
92-52-4	1,1-Biphenyl	89.3	U	89.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	85.1	U	85.1	170	ug/Kg
88-74-4	2-Nitroaniline	97.0	U	97.0	170	ug/Kg
131-11-3	Dimethylphthalate	83.5	U	83.5	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140620.D	1	11/16/24 08:51	11/25/24 22:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	88.4	U	88.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.0	U	85.0	170	ug/Kg
99-09-2	3-Nitroaniline	91.1	UQ	91.1	170	ug/Kg
83-32-9	Acenaphthene	82.8	U	82.8	170	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	86.2	U	86.2	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.1	U	88.1	170	ug/Kg
84-66-2	Diethylphthalate	81.8	U	81.8	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.4	U	87.4	170	ug/Kg
86-73-7	Fluorene	87.3	U	87.3	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	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.4	U	83.4	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.6	U	80.6	170	ug/Kg
118-74-1	Hexachlorobenzene	86.8	U	86.8	170	ug/Kg
1912-24-9	Atrazine	93.4	U	93.4	170	ug/Kg
87-86-5	Pentachlorophenol	79.0	U	79.0	340	ug/Kg
85-01-8	Phenanthrene	85.8	U	85.8	170	ug/Kg
120-12-7	Anthracene	86.2	U	86.2	170	ug/Kg
86-74-8	Carbazole	82.0	U	82.0	170	ug/Kg
84-74-2	Di-n-butylphthalate	86.1	U	86.1	170	ug/Kg
206-44-0	Fluoranthene	83.5	U	83.5	170	ug/Kg
129-00-0	Pyrene	84.8	U	84.8	170	ug/Kg
85-68-7	Butylbenzylphthalate	98.9	U	98.9	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	82.4	U	82.4	170	ug/Kg
218-01-9	Chrysene	81.2	U	81.2	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.0	U	93.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	82.8	U	82.8	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140620.D	1	11/16/24 08:51	11/25/24 22:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	84.4	U	84.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	95.0	U	95.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.8	U	79.8	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	82.9	U	82.9	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	81.8	U	81.8	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.7	U	88.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.3	U	76.3	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	102		30 (18) - 130 (112)	68%	SPK: 150
13127-88-3	Phenol-d6	101		30 (15) - 130 (107)	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.4		30 (18) - 130 (107)	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.2		30 (20) - 130 (109)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	102		30 (10) - 130 (116)	68%	SPK: 150
1718-51-0	Terphenyl-d14	72.7		30 (10) - 130 (105)	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59200	6.869			
1146-65-2	Naphthalene-d8	216000	8.151			
15067-26-2	Acenaphthene-d10	118000	9.904			
1517-22-2	Phenanthrene-d10	223000	11.392			
1719-03-5	Chrysene-d12	134000	14.039			
1520-96-3	Perylene-d12	132000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	70.8	A		5.09	ug/Kg
000119-61-9	Benzophenone	140	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	120	J		11.9	ug/Kg
074339-53-0	Trichloroacetic acid, pentadecyl e	170	J		13.9	ug/Kg
000111-02-4	Squalene	91.9	J		14.9	ug/Kg
	unknown16.427	77.3	J		16.4	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140620.D	1	11/16/24 08:51	11/25/24 22:55	PB165029

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.1
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
BF140579.D	1	11/16/24 08:51	11/22/24 15:58	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	84.3	U	84.3	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.1	U	85.1	170	ug/Kg
95-57-8	2-Chlorophenol	84.9	U	84.9	170	ug/Kg
95-48-7	2-Methylphenol	81.9	U	81.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	92.4	U	92.4	170	ug/Kg
98-86-2	Acetophenone	88.3	U	88.3	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.1	U	81.1	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.0	U	41.0	81.3	ug/Kg
67-72-1	Hexachloroethane	84.4	U	84.4	170	ug/Kg
98-95-3	Nitrobenzene	92.3	U	92.3	170	ug/Kg
78-59-1	Isophorone	86.0	U	86.0	170	ug/Kg
88-75-5	2-Nitrophenol	96.1	U	96.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	94.8	U	94.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.2	U	87.2	170	ug/Kg
120-83-2	2,4-Dichlorophenol	76.8	U	76.8	170	ug/Kg
91-20-3	Naphthalene	84.0	U	84.0	170	ug/Kg
106-47-8	4-Chloroaniline	84.0	UQ	84.0	170	ug/Kg
87-68-3	Hexachlorobutadiene	84.7	U	84.7	170	ug/Kg
105-60-2	Caprolactam	88.2	U	88.2	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	78.8	U	78.8	170	ug/Kg
91-57-6	2-Methylnaphthalene	83.9	U	83.9	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.6	U	72.6	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.2	U	75.2	170	ug/Kg
92-52-4	1,1-Biphenyl	88.9	U	88.9	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.7	U	84.7	170	ug/Kg
88-74-4	2-Nitroaniline	96.6	U	96.6	170	ug/Kg
131-11-3	Dimethylphthalate	83.1	U	83.1	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.1
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
BF140579.D	1	11/16/24 08:51	11/22/24 15:58	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	87.9	U	87.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.6	U	84.6	170	ug/Kg
99-09-2	3-Nitroaniline	90.7	UQ	90.7	170	ug/Kg
83-32-9	Acenaphthene	82.5	U	82.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	85.8	U	85.8	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	87.6	U	87.6	170	ug/Kg
84-66-2	Diethylphthalate	81.4	U	81.4	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.0	U	87.0	170	ug/Kg
86-73-7	Fluorene	86.9	U	86.9	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	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.0	U	83.0	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.2	U	80.2	170	ug/Kg
118-74-1	Hexachlorobenzene	86.4	U	86.4	170	ug/Kg
1912-24-9	Atrazine	92.9	U	92.9	170	ug/Kg
87-86-5	Pentachlorophenol	78.6	U	78.6	340	ug/Kg
85-01-8	Phenanthrene	85.4	U	85.4	170	ug/Kg
120-12-7	Anthracene	85.8	U	85.8	170	ug/Kg
86-74-8	Carbazole	81.6	U	81.6	170	ug/Kg
84-74-2	Di-n-butylphthalate	85.7	U	85.7	170	ug/Kg
206-44-0	Fluoranthene	83.1	U	83.1	170	ug/Kg
129-00-0	Pyrene	84.4	U	84.4	170	ug/Kg
85-68-7	Butylbenzylphthalate	98.4	U	98.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	82.0	U	82.0	170	ug/Kg
218-01-9	Chrysene	80.8	U	80.8	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	92.5	U	92.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	82.5	U	82.5	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.1
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
BF140579.D	1	11/16/24 08:51	11/22/24 15:58	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	84.0	U	84.0	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.5	U	94.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.4	U	79.4	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	82.6	U	82.6	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	81.4	U	81.4	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.2	U	88.2	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	75.9	U	75.9	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.3		30 (18) - 130 (112)	58%	SPK: 150
13127-88-3	Phenol-d6	84.5		30 (15) - 130 (107)	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.5		30 (18) - 130 (107)	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.7		30 (20) - 130 (109)	64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.4		30 (10) - 130 (116)	55%	SPK: 150
1718-51-0	Terphenyl-d14	63.6		30 (10) - 130 (105)	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	90900	6.869			
1146-65-2	Naphthalene-d8	333000	8.151			
15067-26-2	Acenaphthene-d10	173000	9.904			
1517-22-2	Phenanthrene-d10	324000	11.398			
1719-03-5	Chrysene-d12	178000	14.045			
1520-96-3	Perylene-d12	173000	15.533			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1400	JB		2.14	ug/Kg
000119-61-9	Benzophenone	370	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	93.9	J		11.9	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	150	J		13.9	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.1
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
BF140579.D	1	11/16/24 08:51	11/22/24 15:58	PB165029

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.3
Sample Wt/Vol:	30.06 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
BF140615.D	1	11/16/24 08:51	11/25/24 20:45	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	UQ	180	340	ug/Kg
108-95-2	Phenol	84.2	U	84.2	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.0	U	85.0	170	ug/Kg
95-57-8	2-Chlorophenol	84.8	U	84.8	170	ug/Kg
95-48-7	2-Methylphenol	81.8	U	81.8	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	92.3	U	92.3	170	ug/Kg
98-86-2	Acetophenone	88.2	U	88.2	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.0	U	81.0	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.9	U	40.9	81.2	ug/Kg
67-72-1	Hexachloroethane	84.3	U	84.3	170	ug/Kg
98-95-3	Nitrobenzene	92.2	U	92.2	170	ug/Kg
78-59-1	Isophorone	85.9	U	85.9	170	ug/Kg
88-75-5	2-Nitrophenol	95.9	U	95.9	170	ug/Kg
105-67-9	2,4-Dimethylphenol	94.6	U	94.6	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.1	U	87.1	170	ug/Kg
120-83-2	2,4-Dichlorophenol	76.7	U	76.7	170	ug/Kg
91-20-3	Naphthalene	83.9	U	83.9	170	ug/Kg
106-47-8	4-Chloroaniline	83.9	UQ	83.9	170	ug/Kg
87-68-3	Hexachlorobutadiene	84.6	U	84.6	170	ug/Kg
105-60-2	Caprolactam	88.1	U	88.1	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	78.7	U	78.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	83.8	U	83.8	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.5	U	72.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.1	U	75.1	170	ug/Kg
92-52-4	1,1-Biphenyl	88.7	U	88.7	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.6	U	84.6	170	ug/Kg
88-74-4	2-Nitroaniline	96.5	U	96.5	170	ug/Kg
131-11-3	Dimethylphthalate	82.9	U	82.9	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.3
Sample Wt/Vol:	30.06 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
BF140615.D	1	11/16/24 08:51	11/25/24 20:45	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	87.8	U	87.8	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.5	U	84.5	170	ug/Kg
99-09-2	3-Nitroaniline	90.6	UQ	90.6	170	ug/Kg
83-32-9	Acenaphthene	82.3	U	82.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	85.7	U	85.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	87.5	U	87.5	170	ug/Kg
84-66-2	Diethylphthalate	81.3	U	81.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	86.9	U	86.9	170	ug/Kg
86-73-7	Fluorene	86.8	U	86.8	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	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	82.8	U	82.8	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.1	U	80.1	170	ug/Kg
118-74-1	Hexachlorobenzene	86.3	U	86.3	170	ug/Kg
1912-24-9	Atrazine	92.8	U	92.8	170	ug/Kg
87-86-5	Pentachlorophenol	78.5	U	78.5	340	ug/Kg
85-01-8	Phenanthrene	85.3	U	85.3	170	ug/Kg
120-12-7	Anthracene	85.7	U	85.7	170	ug/Kg
86-74-8	Carbazole	81.5	U	81.5	170	ug/Kg
84-74-2	Di-n-butylphthalate	85.6	U	85.6	170	ug/Kg
206-44-0	Fluoranthene	82.9	U	82.9	170	ug/Kg
129-00-0	Pyrene	84.3	U	84.3	170	ug/Kg
85-68-7	Butylbenzylphthalate	98.3	U	98.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	81.9	U	81.9	170	ug/Kg
218-01-9	Chrysene	80.7	U	80.7	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	92.4	U	92.4	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	82.3	U	82.3	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.3
Sample Wt/Vol:	30.06 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
BF140615.D	1	11/16/24 08:51	11/25/24 20:45	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	83.9	U	83.9	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.4	U	94.4	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.3	U	79.3	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	82.4	U	82.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	81.3	U	81.3	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.1	U	88.1	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	75.8	U	75.8	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	86.9		30 (18) - 130 (112)	58%	SPK: 150
13127-88-3	Phenol-d6	87.6		30 (15) - 130 (107)	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.1		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.8		30 (20) - 130 (109)	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.0		30 (10) - 130 (116)	53%	SPK: 150
1718-51-0	Terphenyl-d14	60.9		30 (10) - 130 (105)	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56300	6.869			
1146-65-2	Naphthalene-d8	212000	8.151			
15067-26-2	Acenaphthene-d10	115000	9.904			
1517-22-2	Phenanthrene-d10	214000	11.392			
1719-03-5	Chrysene-d12	142000	14.045			
1520-96-3	Perylene-d12	130000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	400	J		10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	70.1	J		10.9	ug/Kg
036653-82-4	1-Hexadecanol	120	J		13.9	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.3
Sample Wt/Vol:	30.06 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
BF140615.D	1	11/16/24 08:51	11/25/24 20:45	PB165029

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140621.D	1	11/16/24 08:51	11/25/24 23:22	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	85.5	U	85.5	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86.4	U	86.4	180	ug/Kg
95-57-8	2-Chlorophenol	86.1	U	86.1	180	ug/Kg
95-48-7	2-Methylphenol	83.2	U	83.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.8	U	93.8	180	ug/Kg
98-86-2	Acetophenone	89.7	U	89.7	180	ug/Kg
65794-96-9	3+4-Methylphenols	82.3	U	82.3	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.6	U	41.6	82.5	ug/Kg
67-72-1	Hexachloroethane	85.6	U	85.6	180	ug/Kg
98-95-3	Nitrobenzene	93.7	U	93.7	180	ug/Kg
78-59-1	Isophorone	87.3	U	87.3	180	ug/Kg
88-75-5	2-Nitrophenol	97.5	U	97.5	180	ug/Kg
105-67-9	2,4-Dimethylphenol	96.2	U	96.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	88.5	U	88.5	180	ug/Kg
120-83-2	2,4-Dichlorophenol	77.9	U	77.9	180	ug/Kg
91-20-3	Naphthalene	85.2	U	85.2	180	ug/Kg
106-47-8	4-Chloroaniline	85.2	UQ	85.2	180	ug/Kg
87-68-3	Hexachlorobutadiene	85.9	U	85.9	180	ug/Kg
105-60-2	Caprolactam	89.6	U	89.6	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	80.0	U	80.0	180	ug/Kg
91-57-6	2-Methylnaphthalene	85.1	U	85.1	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.7	U	73.7	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.3	U	76.3	180	ug/Kg
92-52-4	1,1-Biphenyl	90.2	U	90.2	180	ug/Kg
91-58-7	2-Chloronaphthalene	85.9	U	85.9	180	ug/Kg
88-74-4	2-Nitroaniline	98.0	U	98.0	180	ug/Kg
131-11-3	Dimethylphthalate	84.3	U	84.3	180	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140621.D	1	11/16/24 08:51	11/25/24 23:22	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	89.2	U	89.2	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.8	U	85.8	180	ug/Kg
99-09-2	3-Nitroaniline	92.0	UQ	92.0	180	ug/Kg
83-32-9	Acenaphthene	83.7	U	83.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	87.1	U	87.1	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.9	U	88.9	180	ug/Kg
84-66-2	Diethylphthalate	82.6	U	82.6	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88.3	U	88.3	180	ug/Kg
86-73-7	Fluorene	88.2	U	88.2	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84.2	U	84.2	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	81.4	U	81.4	180	ug/Kg
118-74-1	Hexachlorobenzene	87.7	U	87.7	180	ug/Kg
1912-24-9	Atrazine	94.3	U	94.3	180	ug/Kg
87-86-5	Pentachlorophenol	79.7	U	79.7	340	ug/Kg
85-01-8	Phenanthrene	86.7	U	86.7	180	ug/Kg
120-12-7	Anthracene	87.1	U	87.1	180	ug/Kg
86-74-8	Carbazole	82.8	U	82.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	87.0	U	87.0	180	ug/Kg
206-44-0	Fluoranthene	84.3	U	84.3	180	ug/Kg
129-00-0	Pyrene	85.6	U	85.6	180	ug/Kg
85-68-7	Butylbenzylphthalate	99.9	U	99.9	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	83.3	U	83.3	180	ug/Kg
218-01-9	Chrysene	82.0	U	82.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.9	U	93.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.7	U	83.7	180	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140621.D	1	11/16/24 08:51	11/25/24 23:22	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	85.2	U	85.2	180	ug/Kg
50-32-8	Benzo(a)pyrene	95.9	U	95.9	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.6	U	80.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.8	U	83.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.6	U	82.6	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.6	U	89.6	180	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	77.1	U	77.1	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	92.1		30 (18) - 130 (112)	61%	SPK: 150
13127-88-3	Phenol-d6	90.4		30 (15) - 130 (107)	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.1		30 (18) - 130 (107)	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.9		30 (20) - 130 (109)	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.7		30 (10) - 130 (116)	59%	SPK: 150
1718-51-0	Terphenyl-d14	60.5		30 (10) - 130 (105)	60%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56800	6.869			
1146-65-2	Naphthalene-d8	212000	8.151			
15067-26-2	Acenaphthene-d10	114000	9.904			
1517-22-2	Phenanthrene-d10	220000	11.392			
1719-03-5	Chrysene-d12	128000	14.039			
1520-96-3	Perylene-d12	122000	15.533			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	500	J		10.6	ug/Kg
001123-28-0	1-Hydroxycyclohexanecarboxylic aci	74.6	J		10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	89.8	J		11.9	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140621.D	1	11/16/24 08:51	11/25/24 23:22	PB165029

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.05 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
BF140578.D	1	11/16/24 08:51	11/22/24 15:32	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	84.5	U	84.5	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.3	U	85.3	170	ug/Kg
95-57-8	2-Chlorophenol	85.1	U	85.1	170	ug/Kg
95-48-7	2-Methylphenol	82.1	U	82.1	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	92.6	U	92.6	170	ug/Kg
98-86-2	Acetophenone	88.5	U	88.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.3	U	81.3	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.1	U	41.1	81.5	ug/Kg
67-72-1	Hexachloroethane	84.6	U	84.6	170	ug/Kg
98-95-3	Nitrobenzene	92.5	U	92.5	170	ug/Kg
78-59-1	Isophorone	86.2	U	86.2	170	ug/Kg
88-75-5	2-Nitrophenol	96.3	U	96.3	170	ug/Kg
105-67-9	2,4-Dimethylphenol	94.9	U	94.9	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.4	U	87.4	170	ug/Kg
120-83-2	2,4-Dichlorophenol	76.9	U	76.9	170	ug/Kg
91-20-3	Naphthalene	84.1	U	84.1	170	ug/Kg
106-47-8	4-Chloroaniline	84.1	UQ	84.1	170	ug/Kg
87-68-3	Hexachlorobutadiene	84.9	U	84.9	170	ug/Kg
105-60-2	Caprolactam	88.4	U	88.4	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.0	U	79.0	170	ug/Kg
91-57-6	2-Methylnaphthalene	84.0	U	84.0	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.7	U	72.7	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.4	U	75.4	170	ug/Kg
92-52-4	1,1-Biphenyl	89.0	U	89.0	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.9	U	84.9	170	ug/Kg
88-74-4	2-Nitroaniline	96.8	U	96.8	170	ug/Kg
131-11-3	Dimethylphthalate	83.2	U	83.2	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.05 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
BF140578.D	1	11/16/24 08:51	11/22/24 15:32	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	88.1	U	88.1	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.8	U	84.8	170	ug/Kg
99-09-2	3-Nitroaniline	90.9	UQ	90.9	170	ug/Kg
83-32-9	Acenaphthene	82.6	U	82.6	170	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	86.0	U	86.0	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	87.8	U	87.8	170	ug/Kg
84-66-2	Diethylphthalate	81.6	U	81.6	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.2	U	87.2	170	ug/Kg
86-73-7	Fluorene	87.1	U	87.1	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	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.1	U	83.1	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.4	U	80.4	170	ug/Kg
118-74-1	Hexachlorobenzene	86.6	U	86.6	170	ug/Kg
1912-24-9	Atrazine	93.1	U	93.1	170	ug/Kg
87-86-5	Pentachlorophenol	78.7	U	78.7	340	ug/Kg
85-01-8	Phenanthrene	85.6	U	85.6	170	ug/Kg
120-12-7	Anthracene	86.0	U	86.0	170	ug/Kg
86-74-8	Carbazole	81.8	U	81.8	170	ug/Kg
84-74-2	Di-n-butylphthalate	85.9	U	85.9	170	ug/Kg
206-44-0	Fluoranthene	83.2	U	83.2	170	ug/Kg
129-00-0	Pyrene	84.6	U	84.6	170	ug/Kg
85-68-7	Butylbenzylphthalate	98.6	U	98.6	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	82.2	U	82.2	170	ug/Kg
218-01-9	Chrysene	81.0	U	81.0	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	92.7	U	92.7	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	82.6	U	82.6	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.05 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
BF140578.D	1	11/16/24 08:51	11/22/24 15:32	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	84.1	U	84.1	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.7	U	94.7	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.6	U	79.6	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	82.7	U	82.7	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	81.6	U	81.6	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.4	U	88.4	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.1	U	76.1	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	75.2		30 (18) - 130 (112)	50%	SPK: 150
13127-88-3	Phenol-d6	75.3		30 (15) - 130 (107)	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.4		30 (18) - 130 (107)	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.8		30 (20) - 130 (109)	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.2		30 (10) - 130 (116)	49%	SPK: 150
1718-51-0	Terphenyl-d14	54.1		30 (10) - 130 (105)	54%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	93300	6.869			
1146-65-2	Naphthalene-d8	346000	8.151			
15067-26-2	Acenaphthene-d10	184000	9.904			
1517-22-2	Phenanthrene-d10	341000	11.398			
1719-03-5	Chrysene-d12	203000	14.045			
1520-96-3	Perylene-d12	190000	15.533			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1200	JB		2.14	ug/Kg
000119-61-9	Benzophenone	320	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	130	J		11.9	ug/Kg
010192-32-2	1-Tetracosene	150	J		13.9	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.05 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
BF140578.D	1	11/16/24 08:51	11/22/24 15:32	PB165029

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140608.D	1	11/16/24 08:51	11/25/24 17:41	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	84.8	U	84.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.6	U	85.6	170	ug/Kg
95-57-8	2-Chlorophenol	85.4	U	85.4	170	ug/Kg
95-48-7	2-Methylphenol	82.4	U	82.4	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.0	U	93.0	170	ug/Kg
98-86-2	Acetophenone	88.9	U	88.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.6	U	81.6	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.2	U	41.2	81.8	ug/Kg
67-72-1	Hexachloroethane	84.9	U	84.9	170	ug/Kg
98-95-3	Nitrobenzene	92.8	U	92.8	170	ug/Kg
78-59-1	Isophorone	86.5	U	86.5	170	ug/Kg
88-75-5	2-Nitrophenol	96.6	U	96.6	170	ug/Kg
105-67-9	2,4-Dimethylphenol	95.3	U	95.3	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.7	U	87.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77.2	U	77.2	170	ug/Kg
91-20-3	Naphthalene	84.5	U	84.5	170	ug/Kg
106-47-8	4-Chloroaniline	84.5	UQ	84.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	85.2	U	85.2	170	ug/Kg
105-60-2	Caprolactam	88.8	U	88.8	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.2	U	79.2	170	ug/Kg
91-57-6	2-Methylnaphthalene	84.4	U	84.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.0	U	73.0	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.7	U	75.7	170	ug/Kg
92-52-4	1,1-Biphenyl	89.4	U	89.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	85.2	U	85.2	170	ug/Kg
88-74-4	2-Nitroaniline	97.1	U	97.1	170	ug/Kg
131-11-3	Dimethylphthalate	83.5	U	83.5	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140608.D	1	11/16/24 08:51	11/25/24 17:41	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	88.5	U	88.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.1	U	85.1	170	ug/Kg
99-09-2	3-Nitroaniline	91.2	UQ	91.2	170	ug/Kg
83-32-9	Acenaphthene	82.9	U	82.9	170	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	86.3	U	86.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.1	U	88.1	170	ug/Kg
84-66-2	Diethylphthalate	81.9	U	81.9	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.5	U	87.5	170	ug/Kg
86-73-7	Fluorene	87.4	U	87.4	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	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.4	U	83.4	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.7	U	80.7	170	ug/Kg
118-74-1	Hexachlorobenzene	86.9	U	86.9	170	ug/Kg
1912-24-9	Atrazine	93.5	U	93.5	170	ug/Kg
87-86-5	Pentachlorophenol	79.0	U	79.0	340	ug/Kg
85-01-8	Phenanthrene	85.9	U	85.9	170	ug/Kg
120-12-7	Anthracene	86.3	U	86.3	170	ug/Kg
86-74-8	Carbazole	82.1	U	82.1	170	ug/Kg
84-74-2	Di-n-butylphthalate	86.2	U	86.2	170	ug/Kg
206-44-0	Fluoranthene	83.5	U	83.5	170	ug/Kg
129-00-0	Pyrene	84.9	U	84.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	99.0	U	99.0	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	82.5	U	82.5	170	ug/Kg
218-01-9	Chrysene	81.3	U	81.3	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.1	U	93.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	82.9	U	82.9	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140608.D	1	11/16/24 08:51	11/25/24 17:41	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	84.5	U	84.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	95.1	U	95.1	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.9	U	79.9	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.0	U	83.0	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	81.9	U	81.9	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.8	U	88.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.4	U	76.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	91.0		30 (18) - 130 (112)	61%	SPK: 150
13127-88-3	Phenol-d6	90.5		30 (15) - 130 (107)	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.2		30 (18) - 130 (107)	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.7		30 (20) - 130 (109)	67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.8		30 (10) - 130 (116)	57%	SPK: 150
1718-51-0	Terphenyl-d14	60.5		30 (10) - 130 (105)	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	65700	6.869			
1146-65-2	Naphthalene-d8	249000	8.151			
15067-26-2	Acenaphthene-d10	136000	9.904			
1517-22-2	Phenanthrene-d10	254000	11.392			
1719-03-5	Chrysene-d12	176000	14.045			
1520-96-3	Perylene-d12	146000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	330	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	220	J		11.9	ug/Kg
001454-84-8	n-Nonadecanol-1	170	J		13.9	ug/Kg
	unknown16.457	78.1	J		16.5	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140608.D	1	11/16/24 08:51	11/25/24 17:41	PB165029

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140641.D	1	11/16/24 08:51	11/26/24 14:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	84.9	U	84.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.7	U	85.7	170	ug/Kg
95-57-8	2-Chlorophenol	85.5	U	85.5	170	ug/Kg
95-48-7	2-Methylphenol	82.5	U	82.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.0	U	93.0	170	ug/Kg
98-86-2	Acetophenone	88.9	U	88.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.7	U	81.7	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.2	U	41.2	81.9	ug/Kg
67-72-1	Hexachloroethane	85.0	U	85.0	170	ug/Kg
98-95-3	Nitrobenzene	92.9	U	92.9	170	ug/Kg
78-59-1	Isophorone	86.6	U	86.6	170	ug/Kg
88-75-5	2-Nitrophenol	96.7	U	96.7	170	ug/Kg
105-67-9	2,4-Dimethylphenol	95.4	U	95.4	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.8	U	87.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77.3	U	77.3	170	ug/Kg
91-20-3	Naphthalene	84.5	U	84.5	170	ug/Kg
106-47-8	4-Chloroaniline	84.5	UQ	84.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	85.3	U	85.3	170	ug/Kg
105-60-2	Caprolactam	88.8	U	88.8	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.3	U	79.3	170	ug/Kg
91-57-6	2-Methylnaphthalene	84.4	U	84.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.1	U	73.1	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.7	U	75.7	170	ug/Kg
92-52-4	1,1-Biphenyl	89.5	U	89.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	85.3	U	85.3	170	ug/Kg
88-74-4	2-Nitroaniline	97.2	U	97.2	170	ug/Kg
131-11-3	Dimethylphthalate	83.6	U	83.6	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140641.D	1	11/16/24 08:51	11/26/24 14:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	88.5	U	88.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.2	U	85.2	170	ug/Kg
99-09-2	3-Nitroaniline	91.3	UQ	91.3	170	ug/Kg
83-32-9	Acenaphthene	83.0	U	83.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	86.4	U	86.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.2	U	88.2	170	ug/Kg
84-66-2	Diethylphthalate	82.0	U	82.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.6	U	87.6	170	ug/Kg
86-73-7	Fluorene	87.5	U	87.5	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	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.5	U	83.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.8	U	80.8	170	ug/Kg
118-74-1	Hexachlorobenzene	87.0	U	87.0	170	ug/Kg
1912-24-9	Atrazine	93.6	U	93.6	170	ug/Kg
87-86-5	Pentachlorophenol	79.1	U	79.1	340	ug/Kg
85-01-8	Phenanthrene	86.0	U	86.0	170	ug/Kg
120-12-7	Anthracene	86.4	U	86.4	170	ug/Kg
86-74-8	Carbazole	82.2	U	82.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	86.3	U	86.3	170	ug/Kg
206-44-0	Fluoranthene	83.6	U	83.6	170	ug/Kg
129-00-0	Pyrene	85.0	U	85.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	99.1	U	99.1	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	82.6	U	82.6	170	ug/Kg
218-01-9	Chrysene	81.4	U	81.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.1	U	93.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.0	U	83.0	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140641.D	1	11/16/24 08:51	11/26/24 14:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	84.5	U	84.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	95.2	U	95.2	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.9	U	79.9	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.1	U	83.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.0	U	82.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.8	U	88.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.5	U	76.5	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	84.1		30 (18) - 130 (112)	56%	SPK: 150
13127-88-3	Phenol-d6	85.6		30 (15) - 130 (107)	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.1		30 (18) - 130 (107)	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.2		30 (20) - 130 (109)	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.0		30 (10) - 130 (116)	49%	SPK: 150
1718-51-0	Terphenyl-d14	68.4		30 (10) - 130 (105)	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73400	6.869			
1146-65-2	Naphthalene-d8	270000	8.151			
15067-26-2	Acenaphthene-d10	140000	9.904			
1517-22-2	Phenanthrene-d10	253000	11.398			
1719-03-5	Chrysene-d12	141000	14.045			
1520-96-3	Perylene-d12	153000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	JB		2.12	ug/Kg
000119-61-9	Benzophenone	330	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	170	J		11.9	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	81.9	J		12.6	ug/Kg
1000406-33-2	Isobutyl tetracosyl ether	280	J		13.9	ug/Kg
000629-94-7	Heneicosane	79.8	J		14.2	ug/Kg
000638-68-6	Triacontane	140	J		14.5	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140641.D	1	11/16/24 08:51	11/26/24 14:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001560-98-1	Octacosane, 2-methyl-	74.7	J		14.8	ug/Kg
000112-95-8	Eicosane	100	J		15.2	ug/Kg
	unknown16.245	230	J		16.2	ug/Kg
015600-08-5	Cholestan-3-one	220	J		16.4	ug/Kg
	unknown16.498	75.7	J		16.5	ug/Kg
	unknown17.439	77.4	J		17.4	ug/Kg
	unknown17.651	70.6	J		17.7	ug/Kg

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

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

QC SUMMARY

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

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4860-01	DUP-01	2-Fluorophenol	150	98.6	66		30 (18)	130 (112)
		Phenol-d6	150	97.7	65		30 (15)	130 (107)
		Nitrobenzene-d5	100	67.9	68		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.5	73		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.4	62		30 (10)	130 (116)
		Terphenyl-d14	100	71.0	71		30 (10)	130 (105)
P4860-02	PH2-BOT-001	2-Fluorophenol	150	99.7	66		30 (18)	130 (112)
		Phenol-d6	150	96.8	65		30 (15)	130 (107)
		Nitrobenzene-d5	100	71.8	72		30 (18)	130 (107)
		2-Fluorobiphenyl	100	79.9	80		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	86.7	58		30 (10)	130 (116)
		Terphenyl-d14	100	67.9	68		30 (10)	130 (105)
P4860-03	PH2-BOT-002	2-Fluorophenol	150	110	74		30 (18)	130 (112)
		Phenol-d6	150	108	72		30 (15)	130 (107)
		Nitrobenzene-d5	100	74.3	74		30 (18)	130 (107)
		2-Fluorobiphenyl	100	77.4	77		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	109	73		30 (10)	130 (116)
		Terphenyl-d14	100	69.3	69		30 (10)	130 (105)
P4860-04	PH2-BOT-003	2-Fluorophenol	150	102	68		30 (18)	130 (112)
		Phenol-d6	150	101	67		30 (15)	130 (107)
		Nitrobenzene-d5	100	70.4	70		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.2	73		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	102	68		30 (10)	130 (116)
		Terphenyl-d14	100	72.7	73		30 (10)	130 (105)
P4860-05	PH2-BOT-004	2-Fluorophenol	150	87.3	58		30 (18)	130 (112)
		Phenol-d6	150	84.5	56		30 (15)	130 (107)
		Nitrobenzene-d5	100	59.5	59		30 (18)	130 (107)
		2-Fluorobiphenyl	100	63.7	64		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	82.4	55		30 (10)	130 (116)
		Terphenyl-d14	100	63.6	64		30 (10)	130 (105)
P4860-06	PH2-BOT-009	2-Fluorophenol	150	86.9	58		30 (18)	130 (112)
		Phenol-d6	150	87.6	58		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.1	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	62.8	63		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	79.0	53		30 (10)	130 (116)
		Terphenyl-d14	100	60.9	61		30 (10)	130 (105)
P4860-07	PH2-BOT-008	2-Fluorophenol	150	92.1	61		30 (18)	130 (112)
		Phenol-d6	150	90.4	60		30 (15)	130 (107)
		Nitrobenzene-d5	100	62.1	62		30 (18)	130 (107)
		2-Fluorobiphenyl	100	64.9	65		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	88.7	59		30 (10)	130 (116)
		Terphenyl-d14	100	60.5	60		30 (10)	130 (105)
P4860-08	PH2-BOT-007	2-Fluorophenol	150	75.2	50		30 (18)	130 (112)
		Phenol-d6	150	75.3	50		30 (15)	130 (107)
		Nitrobenzene-d5	100	52.4	52		30 (18)	130 (107)
		2-Fluorobiphenyl	100	55.8	56		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	74.2	49		30 (10)	130 (116)
		Terphenyl-d14	100	54.1	54		30 (10)	130 (105)
P4860-09	PH2-BOT-006	2-Fluorophenol	150	91.0	61		30 (18)	130 (112)
		Phenol-d6	150	90.5	60		30 (15)	130 (107)
		Nitrobenzene-d5	100	63.2	63		30 (18)	130 (107)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4860-09	PH2-BOT-006	2-Fluorobiphenyl	100	66.7	67		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	85.8	57		30 (10)	130 (116)
		Terphenyl-d14	100	60.5	61		30 (10)	130 (105)
P4860-09MS	PH2-BOT-006MS	2-Fluorophenol	150	104	69		30 (18)	130 (112)
		Phenol-d6	150	103	69		30 (15)	130 (107)
		Nitrobenzene-d5	100	71.2	71		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.5	73		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	109	73		30 (10)	130 (116)
		Terphenyl-d14	100	84.0	84		30 (10)	130 (105)
P4860-09MSD	PH2-BOT-006MSD	2-Fluorophenol	150	102	68		30 (18)	130 (112)
		Phenol-d6	150	103	68		30 (15)	130 (107)
		Nitrobenzene-d5	100	71.9	72		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.6	74		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	113	75		30 (10)	130 (116)
		Terphenyl-d14	100	84.9	85		30 (10)	130 (105)
P4860-10	PH2-BOT-005	2-Fluorophenol	150	84.1	56		30 (18)	130 (112)
		Phenol-d6	150	85.6	57		30 (15)	130 (107)
		Nitrobenzene-d5	100	59.1	59		30 (18)	130 (107)
		2-Fluorobiphenyl	100	65.2	65		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	74.0	49		30 (10)	130 (116)
		Terphenyl-d14	100	68.4	68		30 (10)	130 (105)
PB165029BL	PB165029BL	2-Fluorophenol	150	124	83		30 (18)	130 (112)
		Phenol-d6	150	120	80		30 (15)	130 (107)
		Nitrobenzene-d5	100	85.3	85		30 (18)	130 (107)
		2-Fluorobiphenyl	100	88.5	88		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	126	84		30 (10)	130 (116)
		Terphenyl-d14	100	88.4	88		30 (10)	130 (105)
PB165029BS	PB165029BS	2-Fluorophenol	150	120	80		30 (18)	130 (112)
		Phenol-d6	150	115	77		30 (15)	130 (107)
		Nitrobenzene-d5	100	82.5	82		30 (18)	130 (107)
		2-Fluorobiphenyl	100	84.9	85		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	128	85		30 (10)	130 (116)
		Terphenyl-d14	100	98.5	99		30 (10)	130 (105)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4860-09MS		**Client Sample ID: PH2-BOT-006MS**						**DataFile: BF140639.D**			
Benzaldehyde	1700	0	210	ug/Kg	12	*			20 (10)	160 (86)	
Phenol	1700	0	1600	ug/Kg	94				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1700	0	1600	ug/Kg	94				70 (54)	130 (125)	
2-Chlorophenol	1700	0	1700	ug/Kg	100				70 (79)	130 (107)	
2-Methylphenol	1700	0	1600	ug/Kg	94				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1700	0	1700	ug/Kg	100				70 (65)	130 (110)	
Acetophenone	1700	0	1600	ug/Kg	94				70 (75)	130 (111)	
3+4-Methylphenols	1700	0	1600	ug/Kg	94				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1700	0	1600	ug/Kg	94				70 (59)	130 (119)	
Hexachloroethane	1700	0	1600	ug/Kg	94				20 (65)	160 (117)	
Nitrobenzene	1700	0	1500	ug/Kg	88				70 (70)	130 (119)	
Isophorone	1700	0	1600	ug/Kg	94				70 (76)	130 (122)	
2-Nitrophenol	1700	0	1600	ug/Kg	94				70 (54)	130 (145)	
2,4-Dimethylphenol	1700	0	1900	ug/Kg	112				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1700	0	1600	ug/Kg	94				70 (68)	130 (112)	
2,4-Dichlorophenol	1700	0	1600	ug/Kg	94				70 (72)	130 (118)	
Naphthalene	1700	0	1600	ug/Kg	94				70 (72)	130 (110)	
4-Chloroaniline	1700	0	680	ug/Kg	40	*			70 (10)	130 (91)	
Hexachlorobutadiene	1700	0	1500	ug/Kg	88				70 (66)	130 (114)	
Caprolactam	1700	0	1600	ug/Kg	94				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1700	0	1600	ug/Kg	94				70 (57)	130 (132)	
2-Methylnaphthalene	1700	0	1600	ug/Kg	94				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3400	0	4700	ug/Kg	138				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1700	0	1600	ug/Kg	94				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1700	0	1700	ug/Kg	100				70 (72)	130 (117)	
1,1-Biphenyl	1700	0	1600	ug/Kg	94				70 (75)	130 (113)	
2-Chloronaphthalene	1700	0	1600	ug/Kg	94				70 (67)	130 (118)	
2-Nitroaniline	1700	0	1600	ug/Kg	94				70 (69)	130 (127)	
Dimethylphthalate	1700	0	1600	ug/Kg	94				70 (70)	130 (113)	
Acenaphthylene	1700	0	1700	ug/Kg	100				70 (79)	130 (118)	
2,6-Dinitrotoluene	1700	0	1600	ug/Kg	94				70 (70)	130 (125)	
3-Nitroaniline	1700	0	940	ug/Kg	55	*			70 (30)	130 (99)	
Acenaphthene	1700	0	1600	ug/Kg	94				70 (70)	130 (121)	
2,4-Dinitrophenol	3400	0	3000	ug/Kg	88				20 (10)	160 (155)	
4-Nitrophenol	3400	0	3600	ug/Kg	106				20 (45)	160 (133)	
Dibenzofuran	1700	0	1600	ug/Kg	94				70 (72)	130 (110)	
2,4-Dinitrotoluene	1700	0	1600	ug/Kg	94				70 (55)	130 (128)	
Diethylphthalate	1700	0	1600	ug/Kg	94				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1700	0	1600	ug/Kg	94				70 (71)	130 (108)	
Fluorene	1700	0	1600	ug/Kg	94				70 (68)	130 (116)	
4-Nitroaniline	1700	0	1600	ug/Kg	94				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1700	0	1700	ug/Kg	100				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1700	0	1600	ug/Kg	94				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1700	0	1600	ug/Kg	94				70 (65)	130 (121)	
Hexachlorobenzene	1700	0	1600	ug/Kg	94				70 (67)	130 (118)	
Atrazine	1700	0	1900	ug/Kg	112				70 (79)	130 (127)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3400	0	3400	ug/Kg	100				20 (47)	160 (128)	
Phenanthrene	1700	0	1700	ug/Kg	100				70 (52)	130 (128)	
Anthracene	1700	0	1700	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1700	0	1700	ug/Kg	100				70 (59)	130 (119)	
Di-n-butylphthalate	1700	0	1700	ug/Kg	100				70 (69)	130 (118)	
Fluoranthene	1700	0	1600	ug/Kg	94				70 (44)	130 (125)	
Pyrene	1700	0	1800	ug/Kg	106				70 (26)	130 (142)	
Butylbenzylphthalate	1700	0	1900	ug/Kg	112				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1700	0	1100	ug/Kg	65	*			70 (33)	130 (116)	
Benzo(a)anthracene	1700	0	1700	ug/Kg	100				70 (71)	130 (114)	
Chrysene	1700	0	1600	ug/Kg	94				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1700	0	2000	ug/Kg	118				70 (42)	130 (169)	
Di-n-octyl phthalate	1700	0	2000	ug/Kg	118				70 (23)	130 (175)	
Benzo(b)fluoranthene	1700	0	1500	ug/Kg	88				70 (67)	130 (121)	
Benzo(k)fluoranthene	1700	0	1600	ug/Kg	94				70 (57)	130 (134)	
Benzo(a)pyrene	1700	0	1800	ug/Kg	106				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1700	0	1600	ug/Kg	94				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1700	0	1600	ug/Kg	94				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1700	0	1300	ug/Kg	76				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1700	0	1600	ug/Kg	94				70 (69)	130 (124)	
1,4-Dioxane	1700	0	1500	ug/Kg	88				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1700	0	1700	ug/Kg	100				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4860-09MSD		**Client Sample ID: PH2-BOT-006MSD**						**DataFile: BF140640.D**			
Benzaldehyde	1700	0	210	ug/Kg	12	*	0		20 (10)	160 (86)	30 (20)
Phenol	1700	0	1600	ug/Kg	94		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1700	0	1600	ug/Kg	94		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1700	0	1600	ug/Kg	94		6		70 (79)	130 (107)	30 (20)
2-Methylphenol	1700	0	1600	ug/Kg	94		0		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1700	0	1700	ug/Kg	100		0		70 (65)	130 (110)	30 (20)
Acetophenone	1700	0	1600	ug/Kg	94		0		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1700	0	1600	ug/Kg	94		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1700	0	1600	ug/Kg	94		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	1700	0	1500	ug/Kg	88		7		20 (65)	160 (117)	30 (20)
Nitrobenzene	1700	0	1500	ug/Kg	88		0		70 (70)	130 (119)	30 (20)
Isophorone	1700	0	1600	ug/Kg	94		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1700	0	1700	ug/Kg	100		6		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1700	0	1900	ug/Kg	112		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1700	0	1600	ug/Kg	94		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1700	0	1600	ug/Kg	94		0		70 (72)	130 (118)	30 (20)
Naphthalene	1700	0	1600	ug/Kg	94		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1700	0	680	ug/Kg	40	*	0		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1700	0	1500	ug/Kg	88		0		70 (66)	130 (114)	30 (20)
Caprolactam	1700	0	1700	ug/Kg	100		6		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1700	0	1600	ug/Kg	94		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1700	0	1600	ug/Kg	94		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3400	0	4700	ug/Kg	138		0		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1700	0	1700	ug/Kg	100		6		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1700	0	1600	ug/Kg	94		6		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1700	0	1600	ug/Kg	94		0		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1700	0	1600	ug/Kg	94		0		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1700	0	1600	ug/Kg	94		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1700	0	1700	ug/Kg	100		6		70 (70)	130 (113)	30 (20)
Acenaphthylene	1700	0	1700	ug/Kg	100		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1700	0	1600	ug/Kg	94		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1700	0	970	ug/Kg	57	*	4		70 (30)	130 (99)	30 (20)
Acenaphthene	1700	0	1600	ug/Kg	94		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3400	0	3200	ug/Kg	94		7		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3400	0	3700	ug/Kg	109		3		20 (45)	160 (133)	30 (20)
Dibenzofuran	1700	0	1700	ug/Kg	100		6		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1700	0	1600	ug/Kg	94		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1700	0	1600	ug/Kg	94		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1700	0	1600	ug/Kg	94		0		70 (71)	130 (108)	30 (20)
Fluorene	1700	0	1600	ug/Kg	94		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1700	0	1600	ug/Kg	94		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1700	0	1800	ug/Kg	106		6		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1700	0	1700	ug/Kg	100		6		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1700	0	1600	ug/Kg	94		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1700	0	1600	ug/Kg	94		0		70 (67)	130 (118)	30 (20)
Atrazine	1700	0	2000	ug/Kg	118		5		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	3400	0	3600	ug/Kg	106		6		20 (47)	160 (128)	30 (20)
Phenanthrene	1700	0	1700	ug/Kg	100		0		70 (52)	130 (128)	30 (20)
Anthracene	1700	0	1800	ug/Kg	106		6		70 (62)	130 (124)	30 (20)
Carbazole	1700	0	1700	ug/Kg	100		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1700	0	1700	ug/Kg	100		0		70 (69)	130 (118)	30 (20)
Fluoranthene	1700	0	1600	ug/Kg	94		0		70 (44)	130 (125)	30 (20)
Pyrene	1700	0	1800	ug/Kg	106		0		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1700	0	1900	ug/Kg	112		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1700	0	1200	ug/Kg	71		9		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1700	0	1700	ug/Kg	100		0		70 (71)	130 (114)	30 (20)
Chrysene	1700	0	1600	ug/Kg	94		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1700	0	2000	ug/Kg	118		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1700	0	1900	ug/Kg	112		5		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1700	0	1500	ug/Kg	88		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1700	0	1700	ug/Kg	100		6		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1700	0	1800	ug/Kg	106		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1700	0	1600	ug/Kg	94		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1700	0	1600	ug/Kg	94		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1700	0	1300	ug/Kg	76		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1700	0	1600	ug/Kg	94		0		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1700	0	1500	ug/Kg	88		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1700	0	1800	ug/Kg	106		6		70 (69)	130 (112)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8270E **DataFile:** BF140445.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB165029BS	Benzaldehyde	1700	180	ug/Kg	11		*		20 (10)	160 (133)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	2-Chlorophenol	1700	1500	ug/Kg	88				70 (65)	130 (112)	
	2-Methylphenol	1700	1400	ug/Kg	82				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				70 (51)	130 (100)	
	Acetophenone	1700	1400	ug/Kg	82				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				70 (63)	130 (95)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1400	ug/Kg	82				70 (57)	130 (101)	
	Isophorone	1700	1400	ug/Kg	82				70 (59)	130 (99)	
	2-Nitrophenol	1700	1500	ug/Kg	88				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	810	ug/Kg	48		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				70 (53)	130 (98)	
	Caprolactam	1700	1400	ug/Kg	82				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	5700	ug/Kg	173		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1400	ug/Kg	82				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (58)	130 (99)	
	2-Nitroaniline	1700	1500	ug/Kg	88				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Acenaphthylene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				70 (61)	130 (104)	
	3-Nitroaniline	1700	910	ug/Kg	54		*		70 (28)	130 (100)	
	Acenaphthene	1700	1600	ug/Kg	94				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				20 (37)	160 (128)	
	4-Nitrophenol	3300	2700	ug/Kg	82				20 (48)	160 (119)	
	Dibenzofuran	1700	1500	ug/Kg	88				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				70 (60)	130 (106)	
	Diethylphthalate	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				70 (58)	130 (98)	
	Fluorene	1700	1400	ug/Kg	82				70 (61)	130 (101)	
	4-Nitroaniline	1700	1400	ug/Kg	82				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8270E **DataFile:** BF140445.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165029BS	Hexachlorobenzene	1700	1500	ug/Kg	88				70 (64)	130 (98)	
	Atrazine	1700	1700	ug/Kg	100				70 (47)	130 (152)	
	Pentachlorophenol	3300	2700	ug/Kg	82				20 (67)	160 (105)	
	Phenanthrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Anthracene	1700	1500	ug/Kg	88				70 (61)	130 (105)	
	Carbazole	1700	1400	ug/Kg	82				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (58)	130 (104)	
	Fluoranthene	1700	1400	ug/Kg	82				70 (57)	130 (107)	
	Pyrene	1700	1600	ug/Kg	94				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	940	ug/Kg	55		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Chrysene	1700	1500	ug/Kg	88				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				70 (53)	130 (101)	
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (108)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165029BL

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: BF140444.D Lab Sample ID: PB165029BL

Instrument ID: BNA_F Date Extracted: 11/16/2024

Matrix: (soil/water) SOIL Date Analyzed: 11/18/2024

Level: (low/med) LOW Time Analyzed: 10:39

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165029BS	PB165029BS	BF140445.D	11/18/2024
PH2-BOT-007	P4860-08	BF140578.D	11/22/2024
PH2-BOT-004	P4860-05	BF140579.D	11/22/2024
PH2-BOT-001	P4860-02	BF140588.D	11/22/2024
DUP-01	P4860-01	BF140609.D	11/25/2024
PH2-BOT-006	P4860-09	BF140608.D	11/25/2024
PH2-BOT-009	P4860-06	BF140615.D	11/25/2024
PH2-BOT-003	P4860-04	BF140620.D	11/25/2024
PH2-BOT-008	P4860-07	BF140621.D	11/25/2024
PH2-BOT-002	P4860-03	BF140622.D	11/25/2024
PH2-BOT-006MS	P4860-09MS	BF140639.D	11/26/2024
PH2-BOT-006MSD	P4860-09MSD	BF140640.D	11/26/2024
PH2-BOT-005	P4860-10	BF140641.D	11/26/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM SAS No.: P4860 SDG NO.: P4860

Lab File ID: BF140331.D DFTPP Injection Date: 11/13/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
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	6.4
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	88.6
443	15.0 - 24.0% of mass 442	16.7 (18.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140332.D	11/13/2024	09:01
SSTDICC005	SSTDICC005	BF140333.D	11/13/2024	09:27
SSTDICC010	SSTDICC010	BF140334.D	11/13/2024	09:53
SSTDICC020	SSTDICC020	BF140335.D	11/13/2024	10:29
SSTDICC050	SSTDICC050	BF140337.D	11/13/2024	11:21
SSTDICC060	SSTDICC060	BF140338.D	11/13/2024	11:47
SSTDICC080	SSTDICC080	BF140339.D	11/13/2024	12:13
SSTDICCC040	SSTDICCC040	BF140340.D	11/13/2024	12:48

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM SAS No.: P4860 SDG NO.: P4860

Lab File ID: BF140442.D DFTPP Injection Date: 11/18/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.3
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	48.2
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	28.7
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	97.5
443	15.0 - 24.0% of mass 442	18.1 (18.5) 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	BF140443.D	11/18/2024	10:13
PB165029BL	PB165029BL	BF140444.D	11/18/2024	10:39
PB165029BS	PB165029BS	BF140445.D	11/18/2024	11:05

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM SAS No.: P4860 SDG NO.: P4860

Lab File ID: BF140526.D DFTPP Injection Date: 11/21/2024

Instrument ID: BNA_F DFTPP Injection Time: 10:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.3
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	48
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	99.8
443	15.0 - 24.0% of mass 442	18.1 (18.1) 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
SSTDICC2.5	SSTDICC2.5	BF140528.D	11/21/2024	11:13
SSTDICC005	SSTDICC005	BF140529.D	11/21/2024	11:39
SSTDICC010	SSTDICC010	BF140530.D	11/21/2024	12:05
SSTDICC020	SSTDICC020	BF140531.D	11/21/2024	12:32
SSTDICCC040	SSTDICCC040	BF140532.D	11/21/2024	12:58
SSTDICC050	SSTDICC050	BF140533.D	11/21/2024	13:25
SSTDICC060	SSTDICC060	BF140534.D	11/21/2024	13:51
SSTDICC080	SSTDICC080	BF140535.D	11/21/2024	14:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM SAS No.: P4860 SDG NO.: P4860

Lab File ID: BF140563.D DFTPP Injection Date: 11/22/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.9
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	32.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43
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
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.9 (17.9) 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	BF140564.D	11/22/2024	09:20
PH2-BOT-007	P4860-08	BF140578.D	11/22/2024	15:32
PH2-BOT-004	P4860-05	BF140579.D	11/22/2024	15:58
PH2-BOT-001	P4860-02	BF140588.D	11/22/2024	19:53

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM SAS No.: P4860 SDG NO.: P4860

Lab File ID: BF140603.D DFTPP Injection Date: 11/25/2024

Instrument ID: BNA_F DFTPP Injection Time: 15:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	28
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.4 (18.4) 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
SSTDCCC040	SSTDCCC040	BF140604.D	11/25/2024	15:49
PH2-BOT-006	P4860-09	BF140608.D	11/25/2024	17:41
DUP-01	P4860-01	BF140609.D	11/25/2024	18:07
PH2-BOT-009	P4860-06	BF140615.D	11/25/2024	20:45
PH2-BOT-003	P4860-04	BF140620.D	11/25/2024	22:55
PH2-BOT-008	P4860-07	BF140621.D	11/25/2024	23:22
PH2-BOT-002	P4860-03	BF140622.D	11/25/2024	23:48

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM SAS No.: P4860 SDG NO.: P4860

Lab File ID: BF140628.D DFTPP Injection Date: 11/26/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.9
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	3.6
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	96.5
443	15.0 - 24.0% of mass 442	18.3 (19) 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	BF140629.D	11/26/2024	09:35
PH2-BOT-006MS	P4860-09MS	BF140639.D	11/26/2024	14:03
PH2-BOT-006MSD	P4860-09MSD	BF140640.D	11/26/2024	14:29
PH2-BOT-005	P4860-10	BF140641.D	11/26/2024	14:55

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/18/2024

Lab File ID: BF140443.D Time Analyzed: 10:13

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	140634	6.875	521097	8.16	286394	9.92
	UPPER LIMIT	281268	7.375	1042190	8.657	572788	10.416
	LOWER LIMIT	70317	6.375	260549	7.657	143197	9.416
	EPA SAMPLE NO.						
01	PB165029BL	142751	6.88	545917	8.15	305122	9.91
02	PB165029BS	142797	6.88	543909	8.16	303339	9.92

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/18/2024

Lab File ID: BF140443.D Time Analyzed: 10:13

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	525142	11.404	270046	14.074	249102	15.604
	UPPER LIMIT	1050280	11.904	540092	14.574	498204	16.104
	LOWER LIMIT	262571	10.904	135023	13.574	124551	15.104
	EPA SAMPLE NO.						
01	PB165029BL	581224	11.40	355427	14.05	295657	15.55
02	PB165029BS	568567	11.40	301677	14.06	262350	15.55

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.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/22/2024

Lab File ID: BF140564.D Time Analyzed: 09:20

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	98979	6.869	364482	8.15	206333	9.91
	UPPER LIMIT	197958	7.369	728964	8.651	412666	10.41
	LOWER LIMIT	49489.5	6.369	182241	7.651	103167	9.41
	EPA SAMPLE NO.						
01	PH2-BOT-004	90927	6.87	332795	8.15	173346	9.90
02	PH2-BOT-007	93283	6.87	346410	8.15	184115	9.90
03	PH2-BOT-001	91972	6.87	309675	8.15	141425	9.90

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.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/22/2024

Lab File ID: BF140564.D Time Analyzed: 09:20

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	385080	11.398	243124	14.051	183783	15.539
	UPPER LIMIT	770160	11.898	486248	14.551	367566	16.039
	LOWER LIMIT	192540	10.898	121562	13.551	91891.5	15.039
	EPA SAMPLE NO.						
01	PH2-BOT-004	323538	11.40	178379	14.05	173467	15.53
02	PH2-BOT-007	340852	11.40	203007	14.05	190451	15.53
03	PH2-BOT-001	223631	11.40	148537	14.05	113324	15.53

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

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

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

Alliance TECHNICAL GROUP
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/25/2024

Lab File ID: BF140604.D Time Analyzed: 15:49

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	106607	6.869	393427	8.15	218835	9.91
	UPPER LIMIT	213214	7.369	786854	8.651	437670	10.41
	LOWER LIMIT	53303.5	6.369	196714	7.651	109418	9.41
	EPA SAMPLE NO.						
01	PH2-BOT-002	57850	6.87	212247	8.15	114728	9.90
02	PH2-BOT-003	59191	6.87	215928	8.15	117690	9.90
03	PH2-BOT-009	56272	6.87	212229	8.15	114630	9.90
04	PH2-BOT-008	56779	6.87	211702	8.15	113735	9.90
05	DUP-01	64351	6.87	240053	8.15	128312	9.90
06	PH2-BOT-006	65730	6.87	249226	8.15	135754	9.90

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.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/25/2024

Lab File ID: BF140604.D Time Analyzed: 15:49

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	396344	11.398	217927	14.051	192376	15.551
	UPPER LIMIT	792688	11.898	435854	14.551	384752	16.051
	LOWER LIMIT	198172	10.898	108964	13.551	96188	15.051
	EPA SAMPLE NO.						
01	PH2-BOT-002	210520	11.39	124009	14.05	108011	15.54
02	PH2-BOT-003	222510	11.39	134073	14.04	132029	15.53
03	PH2-BOT-009	214306	11.39	141699	14.05	130450	15.54
04	PH2-BOT-008	220246	11.39	128275	14.04	122422	15.53
05	DUP-01	245251	11.39	151880	14.05	134969	15.54
06	PH2-BOT-006	253640	11.39	176049	14.05	146465	15.55

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.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/26/2024

Lab File ID: BF140629.D Time Analyzed: 09:35

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	116102	6.875	431552	8.16	243269	9.91
	UPPER LIMIT	232204	7.375	863104	8.657	486538	10.41
	LOWER LIMIT	58051	6.375	215776	7.657	121635	9.41
	EPA SAMPLE NO.						
01	PH2-BOT-006MS	72875	6.87	271368	8.15	144034	9.91
02	PH2-BOT-006MSD	75738	6.87	275981	8.15	148258	9.91
03	PH2-BOT-005	73436	6.87	269764	8.15	139709	9.90

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.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/26/2024

Lab File ID: BF140629.D Time Analyzed: 09:35

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	448777	11.404	250776	14.051	214776	15.551
	UPPER LIMIT	897554	11.904	501552	14.551	429552	16.051
	LOWER LIMIT	224389	10.904	125388	13.551	107388	15.051
	EPA SAMPLE NO.						
01	PH2-BOT-006MS	272823	11.40	144480	14.05	156989	15.54
02	PH2-BOT-006MSD	278787	11.40	147921	14.05	159754	15.54
03	PH2-BOT-005	252976	11.40	141346	14.05	153491	15.54

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165029BL	SDG No.:	P4860
Lab Sample ID:	PB165029BL	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
BF140444.D	1	11/16/24 08:51	11/18/24 10:39	PB165029

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	82.9	U	82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	170	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	83.0	U	83.0	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	170	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	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	87.4	U	87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	170	ug/Kg
88-74-4	2-Nitroaniline	95.0	U	95.0	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165029BL	SDG No.:	P4860
Lab Sample ID:	PB165029BL	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
BF140444.D	1	11/16/24 08:51	11/18/24 10:39	PB165029

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

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165029BL	SDG No.:	P4860
Lab Sample ID:	PB165029BL	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
BF140444.D	1	11/16/24 08:51	11/18/24 10:39	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	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	124		30 (18) - 130 (112)	83%	SPK: 150
13127-88-3	Phenol-d6	120		30 (15) - 130 (107)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.3		30 (18) - 130 (107)	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.5		30 (20) - 130 (109)	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		30 (10) - 130 (116)	84%	SPK: 150
1718-51-0	Terphenyl-d14	88.4		30 (10) - 130 (105)	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	143000	6.875			
1146-65-2	Naphthalene-d8	546000	8.151			
15067-26-2	Acenaphthene-d10	305000	9.91			
1517-22-2	Phenanthrene-d10	581000	11.398			
1719-03-5	Chrysene-d12	355000	14.045			
1520-96-3	Perylene-d12	296000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	70.3	J		2.22	ug/Kg
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	160	J		17.4	ug/Kg

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Report of Analysis

Client:	Tetra Tech			Date Collected:	
Project:	Ocean County Landfill 2024			Date Received:	
Client Sample ID:	PB165029BL			SDG No.:	P4860
Lab Sample ID:	PB165029BL			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
BF140444.D	1	11/16/24 08:51	11/18/24 10:39	PB165029

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165029BS	SDG No.:	P4860
Lab Sample ID:	PB165029BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140445.D	1	11/16/24 08:51	11/18/24 11:05	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	J	180	330	ug/Kg
108-95-2	Phenol	1400		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.7	170	ug/Kg
78-59-1	Isophorone	1400		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.4	170	ug/Kg
91-20-3	Naphthalene	1400		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	810		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	170	ug/Kg
105-60-2	Caprolactam	1400		86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5700	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1500		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165029BS	SDG No.:	P4860
Lab Sample ID:	PB165029BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140445.D	1	11/16/24 08:51	11/18/24 11:05	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	910		89.1	170	ug/Kg
83-32-9	Acenaphthene	1600		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	2700	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	170	ug/Kg
84-66-2	Diethylphthalate	1500		80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	170	ug/Kg
86-73-7	Fluorene	1400		85.4	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	170	ug/Kg
1912-24-9	Atrazine	1700		91.3	170	ug/Kg
87-86-5	Pentachlorophenol	2700	E	77.2	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	170	ug/Kg
120-12-7	Anthracene	1500		84.3	170	ug/Kg
86-74-8	Carbazole	1400		80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	170	ug/Kg
129-00-0	Pyrene	1600		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	940		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	170	ug/Kg
218-01-9	Chrysene	1500		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81.0	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165029BS	SDG No.:	P4860
Lab Sample ID:	PB165029BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140445.D	1	11/16/24 08:51	11/18/24 11:05	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.7	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	120		30 (18) - 130 (112)	80%	SPK: 150
13127-88-3	Phenol-d6	115		30 (15) - 130 (107)	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.5		30 (18) - 130 (107)	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.9		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		30 (10) - 130 (116)	85%	SPK: 150
1718-51-0	Terphenyl-d14	98.5		30 (10) - 130 (105)	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	143000	6.875			
1146-65-2	Naphthalene-d8	544000	8.157			
15067-26-2	Acenaphthene-d10	303000	9.916			
1517-22-2	Phenanthrene-d10	569000	11.404			
1719-03-5	Chrysene-d12	302000	14.057			
1520-96-3	Perylene-d12	262000	15.551			

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006MS	SDG No.:	P4860
Lab Sample ID:	P4860-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140639.D	1	11/16/24 08:51	11/26/24 14:03	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	J	190	340	ug/Kg
108-95-2	Phenol	1600		84.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		85.6	170	ug/Kg
95-57-8	2-Chlorophenol	1700		85.4	170	ug/Kg
95-48-7	2-Methylphenol	1600		82.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		93.0	170	ug/Kg
98-86-2	Acetophenone	1600		88.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		81.7	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		41.2	81.9	ug/Kg
67-72-1	Hexachloroethane	1600		84.9	170	ug/Kg
98-95-3	Nitrobenzene	1500		92.9	170	ug/Kg
78-59-1	Isophorone	1600		86.6	170	ug/Kg
88-75-5	2-Nitrophenol	1600		96.7	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		95.4	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		87.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		77.3	170	ug/Kg
91-20-3	Naphthalene	1600		84.5	170	ug/Kg
106-47-8	4-Chloroaniline	680		84.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		85.2	170	ug/Kg
105-60-2	Caprolactam	1600		88.8	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		79.3	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		84.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4700	E	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		73.1	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		75.7	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		89.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		85.2	170	ug/Kg
88-74-4	2-Nitroaniline	1600		97.2	170	ug/Kg
131-11-3	Dimethylphthalate	1600		83.6	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006MS	SDG No.:	P4860
Lab Sample ID:	P4860-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140639.D	1	11/16/24 08:51	11/26/24 14:03	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		88.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		85.1	170	ug/Kg
99-09-2	3-Nitroaniline	940		91.3	170	ug/Kg
83-32-9	Acenaphthene	1600		83.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	250	340	ug/Kg
100-02-7	4-Nitrophenol	3600	E	120	340	ug/Kg
132-64-9	Dibenzofuran	1600		86.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		88.2	170	ug/Kg
84-66-2	Diethylphthalate	1600		82.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		87.6	170	ug/Kg
86-73-7	Fluorene	1600		87.5	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		83.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		80.7	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		87.0	170	ug/Kg
1912-24-9	Atrazine	1900		93.5	170	ug/Kg
87-86-5	Pentachlorophenol	3400	E	79.1	340	ug/Kg
85-01-8	Phenanthrene	1700		86.0	170	ug/Kg
120-12-7	Anthracene	1700		86.4	170	ug/Kg
86-74-8	Carbazole	1700		82.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		86.3	170	ug/Kg
206-44-0	Fluoranthene	1600		83.6	170	ug/Kg
129-00-0	Pyrene	1800		84.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		99.1	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		100	340	ug/Kg
56-55-3	Benzo(a)anthracene	1700		82.6	170	ug/Kg
218-01-9	Chrysene	1600		81.3	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		93.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		83.0	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006MS	SDG No.:	P4860
Lab Sample ID:	P4860-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140639.D	1	11/16/24 08:51	11/26/24 14:03	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		84.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		95.2	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		79.9	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		83.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		82.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		88.8	170	ug/Kg
123-91-1	1,4-Dioxane	1500		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		76.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	104		30 (18) - 130 (112)	69%	SPK: 150
13127-88-3	Phenol-d6	103		30 (15) - 130 (107)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.2		30 (18) - 130 (107)	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.5		30 (20) - 130 (109)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		30 (10) - 130 (116)	73%	SPK: 150
1718-51-0	Terphenyl-d14	84.0		30 (10) - 130 (105)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	72900	6.869			
1146-65-2	Naphthalene-d8	271000	8.151			
15067-26-2	Acenaphthene-d10	144000	9.91			
1517-22-2	Phenanthrene-d10	273000	11.398			
1719-03-5	Chrysene-d12	144000	14.045			
1520-96-3	Perylene-d12	157000	15.539			

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006MSD	SDG No.:	P4860
Lab Sample ID:	P4860-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140640.D	1	11/16/24 08:51	11/26/24 14:29	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	J	190	340	ug/Kg
108-95-2	Phenol	1600		84.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		85.7	170	ug/Kg
95-57-8	2-Chlorophenol	1600		85.5	170	ug/Kg
95-48-7	2-Methylphenol	1600		82.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		93.1	170	ug/Kg
98-86-2	Acetophenone	1600		89.0	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		81.7	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		41.3	81.9	ug/Kg
67-72-1	Hexachloroethane	1500		85.0	170	ug/Kg
98-95-3	Nitrobenzene	1500		93.0	170	ug/Kg
78-59-1	Isophorone	1600		86.7	170	ug/Kg
88-75-5	2-Nitrophenol	1700		96.8	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		95.5	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		87.9	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		77.3	170	ug/Kg
91-20-3	Naphthalene	1600		84.6	170	ug/Kg
106-47-8	4-Chloroaniline	680		84.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		85.3	170	ug/Kg
105-60-2	Caprolactam	1700		88.9	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		79.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		84.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4700	E	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		73.1	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		75.8	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		89.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		85.3	170	ug/Kg
88-74-4	2-Nitroaniline	1600		97.3	170	ug/Kg
131-11-3	Dimethylphthalate	1700		83.7	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006MSD	SDG No.:	P4860
Lab Sample ID:	P4860-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140640.D	1	11/16/24 08:51	11/26/24 14:29	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		88.6	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		85.2	170	ug/Kg
99-09-2	3-Nitroaniline	970		91.4	170	ug/Kg
83-32-9	Acenaphthene	1600		83.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	250	340	ug/Kg
100-02-7	4-Nitrophenol	3700	E	120	340	ug/Kg
132-64-9	Dibenzofuran	1700		86.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		88.3	170	ug/Kg
84-66-2	Diethylphthalate	1600		82.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		87.7	170	ug/Kg
86-73-7	Fluorene	1600		87.6	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		83.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		80.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		87.1	170	ug/Kg
1912-24-9	Atrazine	2000		93.6	170	ug/Kg
87-86-5	Pentachlorophenol	3600	E	79.2	340	ug/Kg
85-01-8	Phenanthrene	1700		86.0	170	ug/Kg
120-12-7	Anthracene	1800		86.4	170	ug/Kg
86-74-8	Carbazole	1700		82.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		86.3	170	ug/Kg
206-44-0	Fluoranthene	1600		83.7	170	ug/Kg
129-00-0	Pyrene	1800		85.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		99.1	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		100	340	ug/Kg
56-55-3	Benzo(a)anthracene	1700		82.7	170	ug/Kg
218-01-9	Chrysene	1600		81.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		93.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		83.1	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006MSD	SDG No.:	P4860
Lab Sample ID:	P4860-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140640.D	1	11/16/24 08:51	11/26/24 14:29	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		84.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		95.3	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		80.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		83.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		82.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		88.9	170	ug/Kg
123-91-1	1,4-Dioxane	1500		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		76.5	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	102		30 (18) - 130 (112)	68%	SPK: 150
13127-88-3	Phenol-d6	103		30 (15) - 130 (107)	68%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.9		30 (18) - 130 (107)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.6		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	113		30 (10) - 130 (116)	75%	SPK: 150
1718-51-0	Terphenyl-d14	84.9		30 (10) - 130 (105)	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	75700	6.869			
1146-65-2	Naphthalene-d8	276000	8.151			
15067-26-2	Acenaphthene-d10	148000	9.91			
1517-22-2	Phenanthrene-d10	279000	11.398			
1719-03-5	Chrysene-d12	148000	14.045			
1520-96-3	Perylene-d12	160000	15.539			

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-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140332.D 5 =BF140333.D 10 =BF140334.D 20 =BF140335.D 40 =BF140340.D 50 =BF140337.D 60 =BF140338.D 80 =BF1403
39.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.582	0.546	0.530	0.515	0.495	0.506	0.480	0.522	6.53
3)		Pyridine		1.430	1.343	1.323	1.316	1.189	1.237	1.147	1.283	7.61
4)		n-Nitrosodimet...		0.658	0.632	0.651	0.659	0.644	0.671	0.627	0.649	2.39
5)	S	2-Fluorophenol		1.329	1.257	1.223	1.150	1.090	1.118	1.032	1.171	8.84
6)		Aniline		1.587	1.527	1.495	1.451	1.267	1.270	1.066	1.381	13.42
7)	S	Phenol-d6		1.773	1.691	1.643	1.605	1.483	1.507	1.407	1.587	8.09
8)		2-Chlorophenol		1.397	1.349	1.332	1.263	1.176	1.184	1.106	1.258	8.49
9)		Benzaldehyde		1.101	1.087	1.017	0.891	0.828	0.783		0.951	14.32
10)	C	Phenol		1.799	1.793	1.743	1.724	1.582	1.597	1.478	1.674	7.31
11)		bis(2-Chloroet...		1.359	1.294	1.306	1.263	1.227	1.249	1.179	1.268	4.60
12)		1,3-Dichlorobe...		1.585	1.475	1.454	1.374	1.291	1.317	1.221	1.388	8.98
13)	C	1,4-Dichlorobe...		1.590	1.534	1.486	1.391	1.306	1.326	1.221	1.408	9.49
14)		1,2-Dichlorobe...		1.494	1.429	1.398	1.294	1.212	1.214	1.108	1.307	10.63
15)		Benzyl Alcohol		1.172	1.193	1.199	1.211	1.100	1.108	1.020	1.143	6.10
16)		2,2'-oxybis(1-...		1.906	1.826	1.815	1.816	1.666	1.684	1.549	1.752	7.01
17)		2-Methylphenol		1.092	1.062	1.072	1.064	0.998	1.016	0.942	1.035	5.07
18)		Hexachloroethane		0.562	0.543	0.550	0.514	0.500	0.506	0.468	0.520	6.30
19)	P	n-Nitroso-di-n...	1.032	1.029	1.003	0.986	0.982	0.883	0.905	0.848	0.959	7.30
20)		3+4-Methylphenols		1.436	1.427	1.359	1.351	1.200	1.198	1.091	1.294	10.21
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.532	0.508	0.481	0.450	0.434	0.441	0.411	0.465	9.35
23)	S	Nitrobenzene-d5		0.411	0.401	0.399	0.375	0.368	0.379	0.354	0.384	5.28
24)		Nitrobenzene		0.423	0.421	0.406	0.393	0.390	0.394	0.371	0.400	4.61
25)		Isophorone		0.736	0.702	0.692	0.674	0.654	0.671	0.634	0.680	4.87
26)	C	2-Nitrophenol		0.175	0.179	0.181	0.179	0.175	0.181	0.171	0.177	1.99
27)		2,4-Dimethylph...		0.238	0.236	0.232	0.223	0.221	0.227	0.214	0.227	3.86
28)		bis(2-Chloroet...		0.461	0.442	0.430	0.407	0.398	0.404	0.379	0.417	6.80
29)	C	2,4-Dichloroph...		0.307	0.296	0.287	0.275	0.272	0.272	0.255	0.281	6.20
30)		1,2,4-Trichlor...		0.346	0.331	0.325	0.302	0.298	0.301	0.283	0.312	7.15
31)		Naphthalene		1.160	1.105	1.064	0.982	0.950	0.955	0.886	1.015	9.60
32)		Benzoic acid		0.162	0.178	0.180	0.212	0.215	0.226	0.226	0.200	13.01
33)		4-Chloroaniline		0.390	0.386	0.370	0.340	0.333	0.340	0.311	0.353	8.36
34)	C	Hexachlorobuta...		0.220	0.214	0.210	0.193	0.188	0.190	0.178	0.199	7.73
35)		Caprolactam		0.098	0.093	0.094	0.092	0.091	0.095	0.089	0.093	3.27
36)	C	4-Chloro-3-met...		0.331	0.327	0.320	0.309	0.299	0.304	0.287	0.311	5.14
37)		2-Methylnaphth...		0.751	0.706	0.683	0.632	0.610	0.607	0.565	0.651	10.01
38)		1-Methylnaphth...		0.734	0.696	0.673	0.625	0.589	0.592	0.550	0.637	10.39

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.646	0.585	0.583	0.531	0.524	0.517	0.485	0.553	9.85
41)	P	Hexachlorocycl...		0.111	0.143	0.139	0.156	0.159	0.145	0.142	12.04
42)	S	2,4,6-Tribromo...	0.220	0.211	0.207	0.193	0.191	0.189	0.182	0.199	6.88
43)	C	2,4,6-Trichlor...	0.380	0.374	0.374	0.360	0.360	0.352	0.341	0.363	3.87
44)		2,4,5-Trichlor...	0.421	0.417	0.412	0.389	0.387	0.390	0.361	0.397	5.41
45)	S	2-Fluorobiphenyl	1.524	1.396	1.351	1.172	1.125	1.110	1.031	1.244	14.50
46)		1,1'-Biphenyl	1.690	1.571	1.565	1.404	1.368	1.343	1.244	1.455	10.80
47)		2-Chloronaphth...	1.279	1.182	1.149	1.065	1.064	1.049	0.971	1.108	9.20
48)		2-Nitroaniline	0.378	0.365	0.384	0.364	0.365	0.366	0.351	0.368	2.91
49)		Acenaphthylene	1.940	1.802	1.786	1.636	1.582	1.552	1.441	1.677	10.29
50)		Dimethylphthalate	1.464	1.358	1.371	1.261	1.246	1.244	1.181	1.304	7.47
51)		2,6-Dinitrotol...	0.317	0.303	0.313	0.297	0.291	0.289	0.268	0.297	5.57
52)	C	Acenaphthene	1.259	1.204	1.192	1.096	1.091	1.079	1.006	1.133	7.78
53)		3-Nitroaniline	0.333	0.327	0.335	0.310	0.307	0.298	0.275	0.312	6.92
54)	P	2,4-Dinitrophenol		0.109	0.148	0.147	0.178	0.170	0.168	0.153	16.27
55)		Dibenzofuran	1.904	1.736	1.715	1.558	1.502	1.466	1.344	1.603	11.92
56)	P	4-Nitrophenol	0.199	0.217	0.239	0.236	0.240	0.237	0.225	0.228	6.67
57)		2,4-Dinitrotol...	0.414	0.400	0.417	0.387	0.387	0.382	0.351	0.391	5.77
58)		Fluorene	1.525	1.403	1.365	1.202	1.168	1.137	1.066	1.267	13.14
59)		2,3,4,6-Tetrac...	0.322	0.328	0.326	0.318	0.308	0.302	0.288	0.313	4.61
60)		Diethylphthalate	1.525	1.417	1.398	1.287	1.272	1.246	1.185	1.333	8.85
61)		4-Chlorophenyl...	0.739	0.688	0.669	0.604	0.583	0.567	0.528	0.625	12.01
62)		4-Nitroaniline	0.335	0.325	0.328	0.319	0.316	0.313	0.297	0.319	3.86
63)		Azobenzene	1.498	1.391	1.380	1.293	1.251	1.244	1.163	1.317	8.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.080	0.098	0.113	0.109	0.117	0.120	0.116	0.108	13.00
66)	c	n-Nitrosodiphe...	0.651	0.630	0.600	0.559	0.541	0.541	0.522	0.578	8.57
67)		4-Bromophenyl-...	0.227	0.210	0.209	0.194	0.191	0.188	0.180	0.200	8.14
68)		Hexachlorobenzene	0.251	0.242	0.232	0.218	0.209	0.215	0.208	0.225	7.54
69)		Atrazine	0.191	0.183	0.135	0.145	0.155	0.205	0.209	0.175	17.03
70)	C	Pentachlorophenol	0.097	0.108	0.124	0.127	0.131	0.130	0.130	0.121	10.87
71)		Phenanthrene	1.096	1.053	0.986	0.903	0.868	0.851	0.820	0.940	11.33
72)		Anthracene	1.071	1.018	0.966	0.889	0.860	0.839	0.803	0.921	10.81
73)		Carbazole	1.053	1.009	0.963	0.876	0.846	0.834	0.783	0.909	11.02
74)		Di-n-butylphth...	1.214	1.177	1.150	1.074	1.036	1.023	0.964	1.091	8.37
75)	C	Fluoranthene	1.256	1.201	1.141	1.018	0.962	0.933	0.867	1.054	13.92
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.634	0.684	0.653	0.742	0.953	0.939	0.768	18.64
78)		Pyrene	1.748	1.706	1.643	1.679	1.728	1.800	1.672	1.711	3.08
79)	S	Terphenyl-d14	1.226	1.185	1.108	1.123	1.139	1.190	1.093	1.152	4.26
80)		Butylbenzylpht...	0.640	0.638	0.654	0.690	0.670	0.681	0.628	0.657	3.56
81)		Benzo(a)anthra...	1.451	1.418	1.351	1.263	1.229	1.294	1.195	1.314	7.31
82)		3,3'-Dichlorob...	0.438	0.431	0.433	0.402	0.406	0.416	0.399	0.418	3.79
83)		Chrysene	1.394	1.241	1.235	1.168	1.137	1.123	1.099	1.199	8.44
84)		Bis(2-ethylhex...	0.886	0.890	0.897	0.927	0.858	0.869	0.813	0.877	4.07
85)	c	Di-n-octyl pht...	1.231	1.217	1.270	1.290	1.187	1.241	1.212	1.235	2.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.116	1.150	1.138	1.258	1.316	1.354	1.317	1.235	8.02
88)		Benzo(b)fluora...	1.405	1.352	1.471	1.263	1.235	1.233	1.199	1.308	7.82
89)		Benzo(k)fluora...	1.286	1.241	1.120	1.060	0.952	0.935	0.888	1.069	14.47
90)	C	Benzo(a)pyrene	1.100	1.053	1.054	1.005	0.970	0.980	0.948	1.016	5.40
91)		Dibenzo(a,h)an...	0.941	0.952	0.944	1.039	1.074	1.121	1.077	1.021	7.30
92)		Benzo(g,h,i)pe...	0.941	0.963	0.954	1.063	1.122	1.146	1.120	1.044	8.55

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 21 15:23:48 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140528.D 5 =BF140529.D 10 =BF140530.D 20 =BF140531.D 40 =BF140532.D 50 =BF140533.D 60 =BF140534.D 80 =BF1405
35.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.501	0.502	0.576	0.489	0.452	0.454	0.477	0.493	8.46
3)		Pyridine		0.981	1.019	1.121	1.192	1.062	1.087	1.128	1.084	6.54
4)		n-Nitrosodimet...		0.616	0.611	0.661	0.648	0.632	0.632	0.660	0.637	3.15
5)	S	2-Fluorophenol		1.261	1.233	1.202	1.174	1.117	1.127	1.091	1.172	5.40
6)		Aniline		1.159	1.195	1.133	1.251	1.042	1.020	0.835	1.091	12.73
7)	S	Phenol-d6		1.729	1.617	1.559	1.602	1.465	1.470	1.407	1.550	7.14
8)		2-Chlorophenol		1.385	1.328	1.278	1.283	1.201	1.208	1.145	1.261	6.51
9)		Benzaldehyde			1.007	0.970	0.738	0.752	0.635		0.820	19.55
10)	C	Phenol		1.723	1.648	1.620	1.667	1.514	1.490	1.417	1.583	6.98
11)		bis(2-Chloroet...		1.292	1.242	1.214	1.246	1.146	1.200	1.138	1.211	4.56
12)		1,3-Dichlorobe...		1.600	1.493	1.433	1.399	1.345	1.361	1.288	1.417	7.31
13)	C	1,4-Dichlorobe...		1.613	1.501	1.456	1.428	1.358	1.372	1.314	1.435	7.04
14)		1,2-Dichlorobe...		1.503	1.434	1.375	1.355	1.268	1.266	1.210	1.344	7.71
15)		Benzyl Alcohol		1.234	1.174	1.161	1.224	1.113	1.090	1.048	1.149	5.98
16)		2,2'-oxybis(1-...		1.650	1.480	1.434	1.463	1.335	1.377	1.276	1.431	8.43
17)		2-Methylphenol		1.121	1.034	1.033	1.042	0.956	0.959	0.922	1.009	6.74
18)		Hexachloroethane		0.598	0.545	0.549	0.537	0.514	0.510	0.499	0.536	6.17
19)	P	n-Nitroso-di-n...	0.972	1.002	0.949	0.916	0.946	0.856	0.857	0.829	0.916	6.82
20)		3+4-Methylphenols		1.495	1.362	1.305	1.347	1.211	1.209	1.154	1.298	8.98
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.536	0.511	0.494	0.481	0.463	0.460	0.468	0.488	5.75
23)	S	Nitrobenzene-d5		0.409	0.403	0.395	0.392	0.377	0.377	0.383	0.391	3.21
24)		Nitrobenzene		0.439	0.409	0.409	0.401	0.388	0.391	0.392	0.404	4.35
25)		Isophorone		0.694	0.654	0.657	0.662	0.629	0.634	0.635	0.652	3.44
26)	C	2-Nitrophenol		0.178	0.172	0.185	0.180	0.178	0.180	0.180	0.179	2.17
27)		2,4-Dimethylph...		0.221	0.214	0.213	0.224	0.204	0.207	0.218	0.214	3.40
28)		bis(2-Chloroet...		0.428	0.408	0.403	0.397	0.378	0.384	0.383	0.397	4.37
29)	C	2,4-Dichloroph...		0.301	0.291	0.290	0.282	0.277	0.274	0.271	0.284	3.82
30)		1,2,4-Trichlor...		0.342	0.338	0.332	0.317	0.317	0.312	0.312	0.324	3.91
31)		Naphthalene		1.116	1.075	1.062	1.013	0.993	0.983	0.970	1.030	5.32
32)		Benzoic acid			0.101	0.126	0.177	0.185	0.192	0.202	0.164	24.72
33)		4-Chloroaniline		0.308	0.318	0.309	0.325	0.303	0.308	0.289	0.308	3.71
34)	C	Hexachlorobuta...		0.227	0.225	0.219	0.212	0.209	0.207	0.204	0.215	4.15
35)		Caprolactam		0.091	0.091	0.091	0.090	0.085	0.085	0.083	0.088	3.99
36)	C	4-Chloro-3-met...		0.348	0.318	0.317	0.327	0.307	0.307	0.301	0.318	4.95
37)		2-Methylnaphth...		0.724	0.680	0.669	0.650	0.623	0.620	0.615	0.654	6.09
38)		1-Methylnaphth...		0.707	0.665	0.659	0.638	0.611	0.608	0.601	0.641	5.98

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.635	0.604	0.606	0.563	0.561	0.565	0.565	0.586	5.02
41)	P	Hexachlorocycl...		0.055	0.090	0.114	0.121	0.129	0.133	0.107	27.80
42)	S	2,4,6-Tribromo...	0.222	0.209	0.220	0.216	0.210	0.210	0.211	0.214	2.52
43)	C	2,4,6-Trichlor...	0.384	0.358	0.375	0.366	0.364	0.360	0.365	0.367	2.45
44)		2,4,5-Trichlor...	0.402	0.396	0.410	0.404	0.390	0.397	0.392	0.399	1.80
45)	S	2-Fluorobiphenyl	1.550	1.402	1.423	1.291	1.255	1.240	1.235	1.342	8.90
46)		1,1'-Biphenyl	1.666	1.530	1.563	1.447	1.427	1.418	1.403	1.493	6.50
47)		2-Chloronaphth...	1.251	1.145	1.162	1.106	1.082	1.084	1.091	1.131	5.39
48)		2-Nitroaniline	0.367	0.351	0.379	0.367	0.363	0.357	0.359	0.363	2.50
49)		Acenaphthylene	1.890	1.765	1.808	1.662	1.628	1.623	1.590	1.710	6.58
50)		Dimethylphthalate	1.455	1.329	1.346	1.299	1.267	1.270	1.254	1.317	5.28
51)		2,6-Dinitrotol...	0.314	0.299	0.307	0.301	0.291	0.293	0.286	0.299	3.24
52)	C	Acenaphthene	1.182	1.110	1.134	1.063	1.052	1.037	1.026	1.086	5.29
53)		3-Nitroaniline	0.307	0.297	0.309	0.300	0.289	0.281	0.262	0.292	5.71
54)	P	2,4-Dinitrophenol		0.057	0.089	0.140	0.145	0.150	0.154	0.122	32.70
55)		Dibenzofuran	1.898	1.739	1.739	1.622	1.559	1.531	1.509	1.657	8.53
56)	P	4-Nitrophenol		0.160	0.195	0.207	0.212	0.214	0.208	0.199	10.31
57)		2,4-Dinitrotol...	0.403	0.403	0.416	0.404	0.386	0.389	0.379	0.397	3.24
58)		Fluorene	1.509	1.409	1.399	1.295	1.263	1.224	1.210	1.330	8.37
59)		2,3,4,6-Tetrac...	0.307	0.296	0.308	0.312	0.305	0.305	0.312	0.306	1.72
60)		Diethylphthalate	1.495	1.375	1.393	1.311	1.292	1.268	1.234	1.338	6.66
61)		4-Chlorophenyl...	0.739	0.682	0.685	0.639	0.619	0.605	0.599	0.653	7.90
62)		4-Nitroaniline	0.307	0.301	0.315	0.312	0.310	0.309	0.291	0.306	2.67
63)		Azobenzene	1.406	1.320	1.320	1.235	1.205	1.206	1.179	1.267	6.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.073	0.090	0.110	0.110	0.117	0.113	0.102	16.74
66)	c	n-Nitrosodiphe...	0.632	0.618	0.597	0.578	0.577	0.580	0.558	0.591	4.39
67)		4-Bromophenyl-...	0.218	0.215	0.206	0.200	0.200	0.205	0.198	0.206	3.79
68)		Hexachlorobenzene	0.257	0.240	0.239	0.233	0.232	0.236	0.232	0.238	3.65
69)		Atrazine	0.181	0.171	0.131	0.140	0.147	0.196	0.198	0.166	16.37
70)	C	Pentachlorophenol		0.071	0.090	0.116	0.115	0.121	0.118	0.105	19.24
71)		Phenanthrene	1.074	1.020	0.970	0.944	0.925	0.916	0.881	0.961	6.87
72)		Anthracene	1.038	0.994	0.958	0.925	0.905	0.904	0.859	0.940	6.47
73)		Carbazole	1.004	0.949	0.930	0.889	0.876	0.862	0.821	0.905	6.75
74)		Di-n-butylphth...	1.144	1.075	1.074	1.023	1.021	1.007	0.967	1.044	5.56
75)	C	Fluoranthene	1.186	1.111	1.114	1.014	0.999	0.962	0.921	1.044	9.11
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.268	0.422	0.296	0.575	0.734	1.025	0.751	0.581	47.31
78)		Pyrene	1.905	1.801	1.897	1.853	1.791	1.898	1.799	1.849	2.79
79)	S	Terphenyl-d14	1.351	1.254	1.308	1.283	1.228	1.313	1.254	1.284	3.31
80)		Butylbenzylpht...	0.676	0.644	0.694	0.679	0.655	0.674	0.641	0.666	2.96
81)		Benzo(a)anthra...	1.409	1.319	1.379	1.286	1.295	1.338	1.242	1.324	4.30
82)		3,3'-Dichlorob...	0.375	0.383	0.393	0.413	0.406	0.419	0.394	0.397	4.03
83)		Chrysene	1.354	1.263	1.218	1.201	1.137	1.173	1.128	1.211	6.50
84)		Bis(2-ethylhex...	0.904	0.828	0.862	0.833	0.824	0.841	0.797	0.841	4.00
85)	c	Di-n-octyl pht...	1.198	1.133	1.147	1.132	1.147	1.169	1.121	1.150	2.29

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.209	1.283	1.299	1.304	1.306	1.409	1.313	1.303	4.51
88)		Benzo(b)fluora...	1.347	1.256	1.380	1.186	1.248	1.207	1.168	1.256	6.41
89)		Benzo(k)fluora...	1.243	1.236	1.059	1.101	1.022	1.055	0.980	1.099	9.34
90)	C	Benzo(a)pyrene	1.062	1.050	1.063	1.007	0.998	1.014	0.957	1.021	3.81
91)		Dibenzo(a,h)an...	1.015	1.038	1.063	1.068	1.075	1.149	1.064	1.067	3.90
92)		Benzo(g,h,i)pe...	1.033	1.090	1.078	1.085	1.094	1.161	1.083	1.089	3.48

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/18/2024 10:13

Lab File ID: BF140443.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.135		-3.1	
Benzaldehyde	0.951	0.765		-19.6	
Phenol-d6	1.587	1.499		-5.5	
Phenol	1.674	1.571		-6.2	20.0
bis(2-Chloroethyl)ether	1.268	1.213		-4.3	
2-Chlorophenol	1.258	1.220		-3.0	
2-Methylphenol	1.035	0.990		-4.3	
2,2-oxybis(1-Chloropropane)	1.752	1.612		-8.0	
Acetophenone	0.465	0.452		-2.8	
3+4-Methylphenols	1.295	1.212		-6.4	
n-Nitroso-di-n-propylamine	0.959	0.871	0.050	-9.2	
Nitrobenzene-d5	0.384	0.377		-1.8	
Hexachloroethane	0.520	0.516		-0.8	
Nitrobenzene	0.400	0.391		-2.3	
Isophorone	0.680	0.648		-4.7	
2-Nitrophenol	0.177	0.180		1.7	20.0
2,4-Dimethylphenol	0.227	0.223		-1.8	
bis(2-Chloroethoxy)methane	0.417	0.404		-3.1	
2,4-Dichlorophenol	0.281	0.280		-0.4	20.0
Naphthalene	1.015	0.999		-1.6	
4-Chloroaniline	0.353	0.324		-8.2	
Hexachlorobutadiene	0.199	0.203		2.0	20.0
Caprolactam	0.093	0.088		-5.4	
4-Chloro-3-methylphenol	0.311	0.303		-2.6	20.0
2-Methylnaphthalene	0.651	0.642		-1.4	
Hexachlorocyclopentadiene	0.142	0.127	0.050	-10.6	
2,4,6-Trichlorophenol	0.363	0.369		1.7	20.0
2-Fluorobiphenyl	1.244	1.230		-1.1	
2,4,5-Trichlorophenol	0.397	0.391		-1.5	
1,1-Biphenyl	1.455	1.449		-0.4	
2-Chloronaphthalene	1.108	1.094		-1.3	
2-Nitroaniline	0.368	0.354		-3.8	
Dimethylphthalate	1.304	1.279		-1.9	
Acenaphthylene	1.677	1.643		-2.0	
2,6-Dinitrotoluene	0.297	0.294		-1.0	
3-Nitroaniline	0.312	0.300		-3.8	
Acenaphthene	1.133	1.124		-0.8	20.0
2,4-Dinitrophenol	0.153	0.141	0.050	-7.8	
4-Nitrophenol	0.228	0.200	0.050	-12.7	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/18/2024 10:13

Lab File ID: BF140443.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.577		-1.6	
2,4-Dinitrotoluene	0.391	0.386		-1.3	
Diethylphthalate	1.333	1.292		-3.1	
4-Chlorophenyl-phenylether	0.625	0.630		0.8	
Fluorene	1.267	1.233		-2.7	
4-Nitroaniline	0.319	0.299		-6.3	
4,6-Dinitro-2-methylphenol	0.108	0.114		5.6	
n-Nitrosodiphenylamine	0.578	0.582		0.7	20.0
2,4,6-Tribromophenol	0.199	0.197		-1.0	
4-Bromophenyl-phenylether	0.200	0.202		1.0	
Hexachlorobenzene	0.225	0.230		2.2	
Atrazine	0.175	0.151		-13.7	
Pentachlorophenol	0.121	0.114		-5.8	20.0
Phenanthrene	0.940	0.912		-3.0	
Anthracene	0.921	0.909		-1.3	
Carbazole	0.909	0.879		-3.3	
Di-n-butylphthalate	1.091	1.076		-1.4	
Fluoranthene	1.054	0.995		-5.6	20.0
Pyrene	1.711	1.930		12.8	
Terphenyl-d14	1.152	1.302		13.0	
Butylbenzylphthalate	0.657	0.725		10.4	
3,3-Dichlorobenzidine	0.418	0.399		-4.5	
Benzo(a)anthracene	1.314	1.317		0.2	
Chrysene	1.199	1.195		-0.3	
Bis(2-ethylhexyl)phthalate	0.877	0.911		3.9	
Di-n-octyl phthalate	1.235	1.195		-3.2	20.0
Benzo(b)fluoranthene	1.308	1.228		-6.1	
Benzo(k)fluoranthene	1.069	0.973		-9.0	
Benzo(a)pyrene	1.016	1.011		-0.5	20.0
Indeno(1,2,3-cd)pyrene	1.235	1.378		11.6	
Dibenzo(a,h)anthracene	1.021	1.147		12.3	
Benzo(g,h,i)perylene	1.044	1.170		12.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.560		1.3	
1,4-Dioxane	0.522	0.509		-2.5	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.303		-3.2	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/22/2024 09:20

Lab File ID: BF140564.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.136		-3.1	
Benzaldehyde	0.820	0.737		-10.1	
Phenol-d6	1.550	1.480		-4.5	
Phenol	1.583	1.539		-2.8	20.0
bis(2-Chloroethyl)ether	1.211	1.155		-4.6	
2-Chlorophenol	1.261	1.212		-3.9	
2-Methylphenol	1.010	0.974		-3.6	
2,2-oxybis(1-Chloropropane)	1.431	1.379		-3.6	
Acetophenone	0.488	0.472		-3.3	
3+4-Methylphenols	1.298	1.249		-3.8	
n-Nitroso-di-n-propylamine	0.916	0.888	0.050	-3.1	
Nitrobenzene-d5	0.391	0.381		-2.6	
Hexachloroethane	0.536	0.518		-3.4	
Nitrobenzene	0.404	0.391		-3.2	
Isophorone	0.652	0.640		-1.8	
2-Nitrophenol	0.179	0.176		-1.7	20.0
2,4-Dimethylphenol	0.214	0.219		2.3	
bis(2-Chloroethoxy)methane	0.397	0.396		-0.3	
2,4-Dichlorophenol	0.284	0.281		-1.1	20.0
Naphthalene	1.030	1.010		-1.9	
4-Chloroaniline	0.308	0.302		-1.9	
Hexachlorobutadiene	0.215	0.216		0.5	20.0
Caprolactam	0.088	0.087		-1.1	
4-Chloro-3-methylphenol	0.318	0.316		-0.6	20.0
2-Methylnaphthalene	0.654	0.649		-0.8	
Hexachlorocyclopentadiene	0.107	0.121	0.050	13.1	
2,4,6-Trichlorophenol	0.367	0.365		-0.5	20.0
2-Fluorobiphenyl	1.342	1.316		-1.9	
2,4,5-Trichlorophenol	0.399	0.398		-0.3	
1,1-Biphenyl	1.493	1.460		-2.2	
2-Chloronaphthalene	1.131	1.105		-2.3	
2-Nitroaniline	0.363	0.355		-2.2	
Dimethylphthalate	1.317	1.297		-1.5	
Acenaphthylene	1.710	1.667		-2.5	
2,6-Dinitrotoluene	0.299	0.295		-1.3	
3-Nitroaniline	0.292	0.286		-2.1	
Acenaphthene	1.086	1.062		-2.2	20.0
2,4-Dinitrophenol	0.122	0.142	0.050	16.4	
4-Nitrophenol	0.199	0.195	0.050	-2.0	

Form VII SV-1

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/22/2024 09:20

Lab File ID: BF140564.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.608		-3.0	
2,4-Dinitrotoluene	0.397	0.395		-0.5	
Diethylphthalate	1.338	1.329		-0.7	
4-Chlorophenyl-phenylether	0.653	0.646		-1.1	
Fluorene	1.330	1.293		-2.8	
4-Nitroaniline	0.306	0.301		-1.6	
4,6-Dinitro-2-methylphenol	0.102	0.114		11.8	
n-Nitrosodiphenylamine	0.591	0.578		-2.2	20.0
2,4,6-Tribromophenol	0.214	0.214		0.0	
4-Bromophenyl-phenylether	0.206	0.211		2.4	
Hexachlorobenzene	0.238	0.238		0.0	
Atrazine	0.166	0.170		2.4	
Pentachlorophenol	0.105	0.117		11.4	20.0
Phenanthrene	0.961	0.927		-3.5	
Anthracene	0.940	0.929		-1.2	
Carbazole	0.905	0.889		-1.8	
Di-n-butylphthalate	1.044	1.085		3.9	
Fluoranthene	1.044	1.051		0.7	20.0
Pyrene	1.849	1.694		-8.4	
Terphenyl-d14	1.284	1.206		-6.1	
Butylbenzylphthalate	0.666	0.682		2.4	
3,3-Dichlorobenzidine	0.397	0.386		-2.8	
Benzo(a)anthracene	1.324	1.267		-4.3	
Chrysene	1.211	1.189		-1.8	
Bis(2-ethylhexyl)phthalate	0.841	0.931		10.7	
Di-n-octyl phthalate	1.150	1.357		18.0	20.0
Benzo(b)fluoranthene	1.256	1.395		11.1	
Benzo(k)fluoranthene	1.099	1.080		-1.7	
Benzo(a)pyrene	1.021	1.024		0.3	20.0
Indeno(1,2,3-cd)pyrene	1.303	1.194		-8.4	
Dibenzo(a,h)anthracene	1.067	1.005		-5.8	
Benzo(g,h,i)perylene	1.089	0.991		-9.0	
1,2,4,5-Tetrachlorobenzene	0.586	0.573		-2.2	
1,4-Dioxane	0.493	0.481		-2.4	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.324		5.9	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/25/2024 15:49

Lab File ID: BF140604.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.153		-1.6	
Benzaldehyde	0.820	0.848		3.4	
Phenol-d6	1.550	1.521		-1.9	
Phenol	1.583	1.580		-0.2	20.0
bis(2-Chloroethyl)ether	1.211	1.199		-1.0	
2-Chlorophenol	1.261	1.217		-3.5	
2-Methylphenol	1.010	1.019		0.9	
2,2-oxybis(1-Chloropropane)	1.431	1.429		-0.1	
Acetophenone	0.488	0.464		-4.9	
3+4-Methylphenols	1.298	1.259		-3.0	
n-Nitroso-di-n-propylamine	0.916	0.876	0.050	-4.4	
Nitrobenzene-d5	0.391	0.378		-3.3	
Hexachloroethane	0.536	0.521		-2.8	
Nitrobenzene	0.404	0.392		-3.0	
Isophorone	0.652	0.640		-1.8	
2-Nitrophenol	0.179	0.180		0.6	20.0
2,4-Dimethylphenol	0.214	0.224		4.7	
bis(2-Chloroethoxy)methane	0.397	0.393		-1.0	
2,4-Dichlorophenol	0.284	0.284		0.0	20.0
Naphthalene	1.030	1.014		-1.6	
4-Chloroaniline	0.308	0.335		8.8	
Hexachlorobutadiene	0.215	0.210		-2.3	20.0
Caprolactam	0.088	0.088		0.0	
4-Chloro-3-methylphenol	0.318	0.313		-1.6	20.0
2-Methylnaphthalene	0.654	0.641		-2.0	
Hexachlorocyclopentadiene	0.107	0.106	0.050	-0.9	
2,4,6-Trichlorophenol	0.367	0.358		-2.5	20.0
2-Fluorobiphenyl	1.342	1.282		-4.5	
2,4,5-Trichlorophenol	0.399	0.395		-1.0	
1,1-Biphenyl	1.493	1.467		-1.7	
2-Chloronaphthalene	1.131	1.111		-1.8	
2-Nitroaniline	0.363	0.351		-3.3	
Dimethylphthalate	1.317	1.260		-4.3	
Acenaphthylene	1.710	1.672		-2.2	
2,6-Dinitrotoluene	0.299	0.296		-1.0	
3-Nitroaniline	0.292	0.283		-3.1	
Acenaphthene	1.086	1.050		-3.3	20.0
2,4-Dinitrophenol	0.122	0.123	0.050	0.8	
4-Nitrophenol	0.199	0.174	0.050	-12.6	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/25/2024 15:49

Lab File ID: BF140604.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.581		-4.6	
2,4-Dinitrotoluene	0.397	0.389		-2.0	
Diethylphthalate	1.338	1.281		-4.3	
4-Chlorophenyl-phenylether	0.653	0.627		-4.0	
Fluorene	1.330	1.276		-4.1	
4-Nitroaniline	0.306	0.293		-4.2	
4,6-Dinitro-2-methylphenol	0.102	0.109		6.9	
n-Nitrosodiphenylamine	0.591	0.583		-1.4	20.0
2,4,6-Tribromophenol	0.214	0.206		-3.7	
4-Bromophenyl-phenylether	0.206	0.205		-0.5	
Hexachlorobenzene	0.238	0.236		-0.8	
Atrazine	0.166	0.164		-1.2	
Pentachlorophenol	0.105	0.106		1.0	20.0
Phenanthrene	0.961	0.943		-1.9	
Anthracene	0.940	0.931		-1.0	
Carbazole	0.905	0.887		-2.0	
Di-n-butylphthalate	1.044	1.030		-1.3	
Fluoranthene	1.044	1.007		-3.5	20.0
Pyrene	1.849	1.851		0.1	
Terphenyl-d14	1.284	1.258		-2.0	
Butylbenzylphthalate	0.666	0.676		1.5	
3,3-Dichlorobenzidine	0.397	0.401		1.0	
Benzo(a)anthracene	1.324	1.285		-2.9	
Chrysene	1.211	1.210		-0.1	
Bis(2-ethylhexyl)phthalate	0.841	0.846		0.6	
Di-n-octyl phthalate	1.150	1.150		0.0	20.0
Benzo(b)fluoranthene	1.256	1.146		-8.8	
Benzo(k)fluoranthene	1.099	1.148		4.5	
Benzo(a)pyrene	1.021	1.028		0.7	20.0
Indeno(1,2,3-cd)pyrene	1.303	1.241		-4.8	
Dibenzo(a,h)anthracene	1.067	1.017		-4.7	
Benzo(g,h,i)perylene	1.089	1.022		-6.2	
1,2,4,5-Tetrachlorobenzene	0.586	0.573		-2.2	
1,4-Dioxane	0.493	0.505		2.4	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.314		2.6	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/26/2024 09:35

Lab File ID: BF140629.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.147		-2.1	
Benzaldehyde	0.820	0.758		-7.6	
Phenol-d6	1.550	1.512		-2.5	
Phenol	1.583	1.584		0.1	20.0
bis(2-Chloroethyl)ether	1.211	1.200		-0.9	
2-Chlorophenol	1.261	1.226		-2.8	
2-Methylphenol	1.010	1.003		-0.7	
2,2-oxybis(1-Chloropropane)	1.431	1.458		1.9	
Acetophenone	0.488	0.460		-5.7	
3+4-Methylphenols	1.298	1.257		-3.2	
n-Nitroso-di-n-propylamine	0.916	0.884	0.050	-3.5	
Nitrobenzene-d5	0.391	0.378		-3.3	
Hexachloroethane	0.536	0.516		-3.7	
Nitrobenzene	0.404	0.393		-2.7	
Isophorone	0.652	0.635		-2.6	
2-Nitrophenol	0.179	0.183		2.2	20.0
2,4-Dimethylphenol	0.214	0.228		6.5	
bis(2-Chloroethoxy)methane	0.397	0.396		-0.3	
2,4-Dichlorophenol	0.284	0.283		-0.4	20.0
Naphthalene	1.030	1.008		-2.1	
4-Chloroaniline	0.308	0.341		10.7	
Hexachlorobutadiene	0.215	0.206		-4.2	20.0
Caprolactam	0.088	0.090		2.3	
4-Chloro-3-methylphenol	0.318	0.314		-1.3	20.0
2-Methylnaphthalene	0.654	0.644		-1.5	
Hexachlorocyclopentadiene	0.107	0.095	0.050	-11.2	
2,4,6-Trichlorophenol	0.367	0.356		-3.0	20.0
2-Fluorobiphenyl	1.342	1.257		-6.3	
2,4,5-Trichlorophenol	0.399	0.404		1.3	
1,1-Biphenyl	1.493	1.436		-3.8	
2-Chloronaphthalene	1.131	1.097		-3.0	
2-Nitroaniline	0.363	0.346		-4.7	
Dimethylphthalate	1.317	1.270		-3.6	
Acenaphthylene	1.710	1.659		-3.0	
2,6-Dinitrotoluene	0.299	0.292		-2.3	
3-Nitroaniline	0.292	0.303		3.8	
Acenaphthene	1.086	1.044		-3.9	20.0
2,4-Dinitrophenol	0.122	0.136	0.050	11.5	
4-Nitrophenol	0.199	0.189	0.050	-5.0	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/26/2024 09:35

Lab File ID: BF140629.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.584		-4.4	
2,4-Dinitrotoluene	0.397	0.395		-0.5	
Diethylphthalate	1.338	1.307		-2.3	
4-Chlorophenyl-phenylether	0.653	0.621		-4.9	
Fluorene	1.330	1.280		-3.8	
4-Nitroaniline	0.306	0.306		0.0	
4,6-Dinitro-2-methylphenol	0.102	0.112		9.8	
n-Nitrosodiphenylamine	0.591	0.583		-1.4	20.0
2,4,6-Tribromophenol	0.214	0.207		-3.3	
4-Bromophenyl-phenylether	0.206	0.205		-0.5	
Hexachlorobenzene	0.238	0.232		-2.5	
Atrazine	0.166	0.163		-1.8	
Pentachlorophenol	0.105	0.112		6.7	20.0
Phenanthrene	0.961	0.928		-3.4	
Anthracene	0.940	0.926		-1.5	
Carbazole	0.905	0.893		-1.3	
Di-n-butylphthalate	1.044	1.063		1.8	
Fluoranthene	1.044	1.033		-1.1	20.0
Pyrene	1.849	1.845		-0.2	
Terphenyl-d14	1.284	1.263		-1.6	
Butylbenzylphthalate	0.666	0.715		7.4	
3,3-Dichlorobenzidine	0.397	0.400		0.8	
Benzo(a)anthracene	1.324	1.340		1.2	
Chrysene	1.211	1.144		-5.5	
Bis(2-ethylhexyl)phthalate	0.841	0.933		10.9	
Di-n-octyl phthalate	1.150	1.287		11.9	20.0
Benzo(b)fluoranthene	1.256	1.211		-3.6	
Benzo(k)fluoranthene	1.099	1.084		-1.4	
Benzo(a)pyrene	1.021	1.002		-1.9	20.0
Indeno(1,2,3-cd)pyrene	1.303	1.258		-3.5	
Dibenzo(a,h)anthracene	1.067	1.035		-3.0	
Benzo(g,h,i)perylene	1.089	1.065		-2.2	
1,2,4,5-Tetrachlorobenzene	0.586	0.557		-4.9	
1,4-Dioxane	0.493	0.492		-0.2	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.310		1.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Time: Nov 26 00:08:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

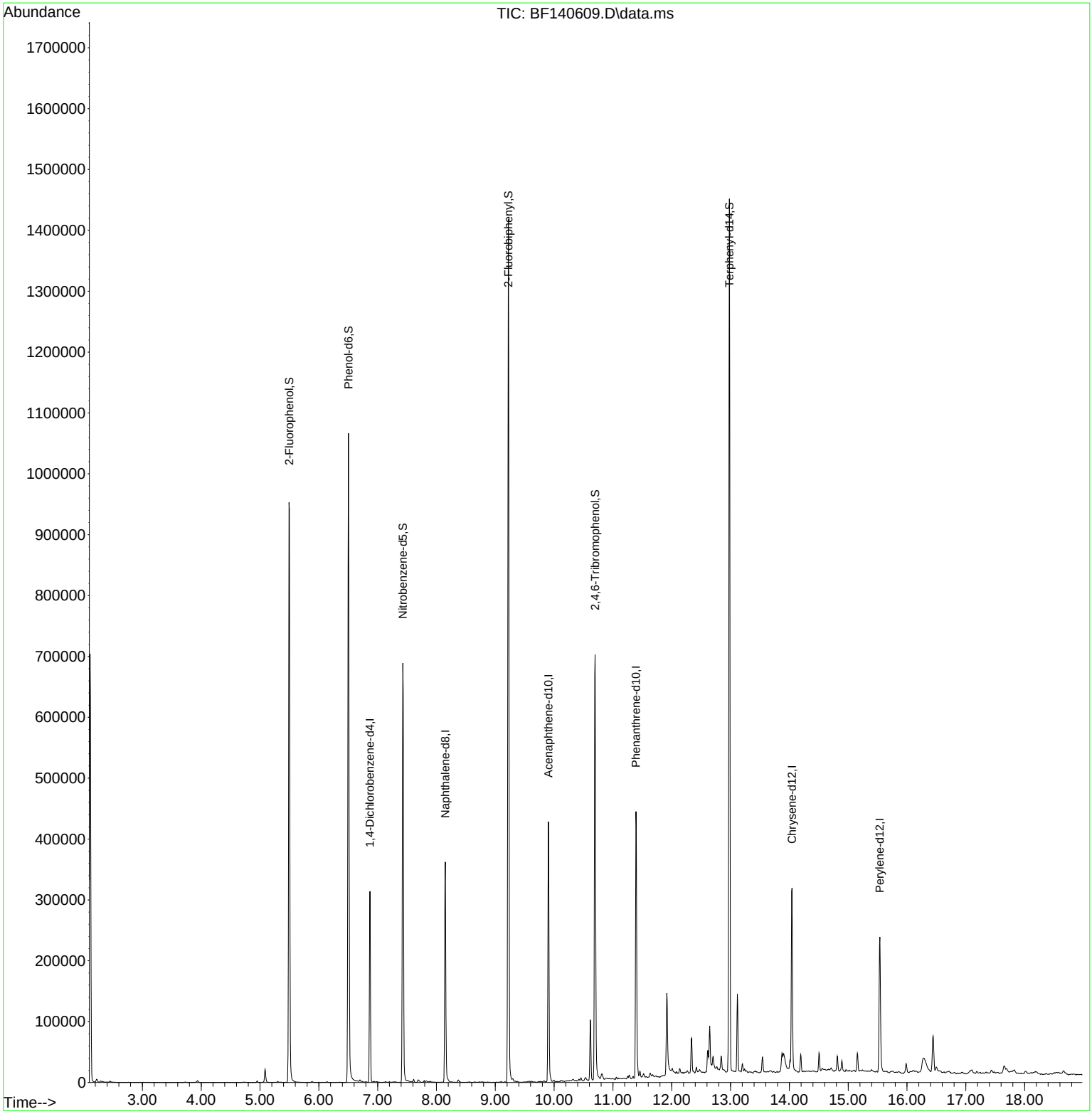
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	64351	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	240053	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	128312	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	245251	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	151880	20.000	ng	0.00
86) Perylene-d12	15.539	264	134969	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	371969	98.624	ng	0.00
7) Phenol-d6	6.504	99	486900	97.651	ng	-0.01
23) Nitrobenzene-d5	7.428	82	318496	67.865	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	126860	92.443	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	632848	73.486	ng	-0.01
79) Terphenyl-d14	12.980	244	692564	71.004	ng	-0.01
Target Compounds						Qvalue

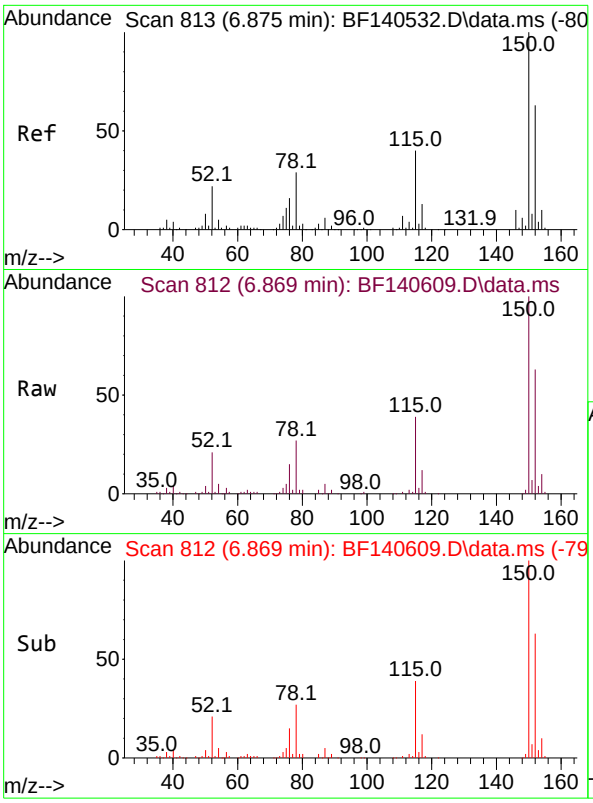
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Time: Nov 26 00:08:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



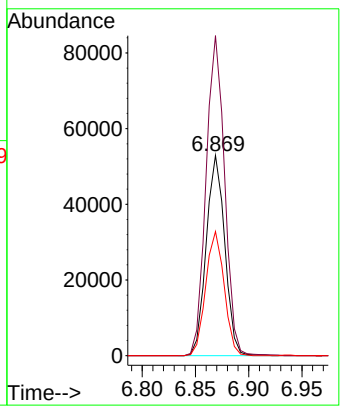


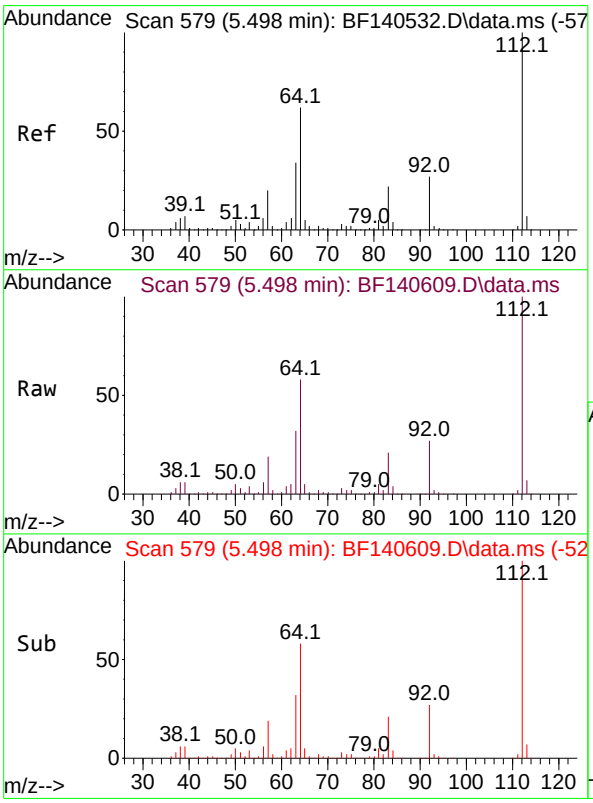
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tgt Ion:152 Resp: 64351

Ion	Ratio	Lower	Upper
152	100		
150	159.8	128.5	192.7
115	62.0	50.2	75.4

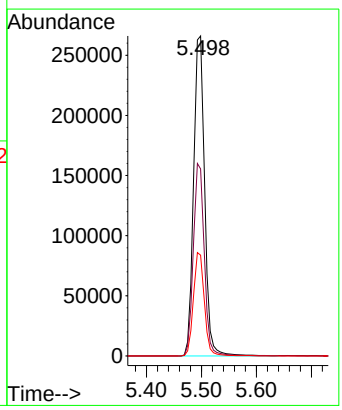


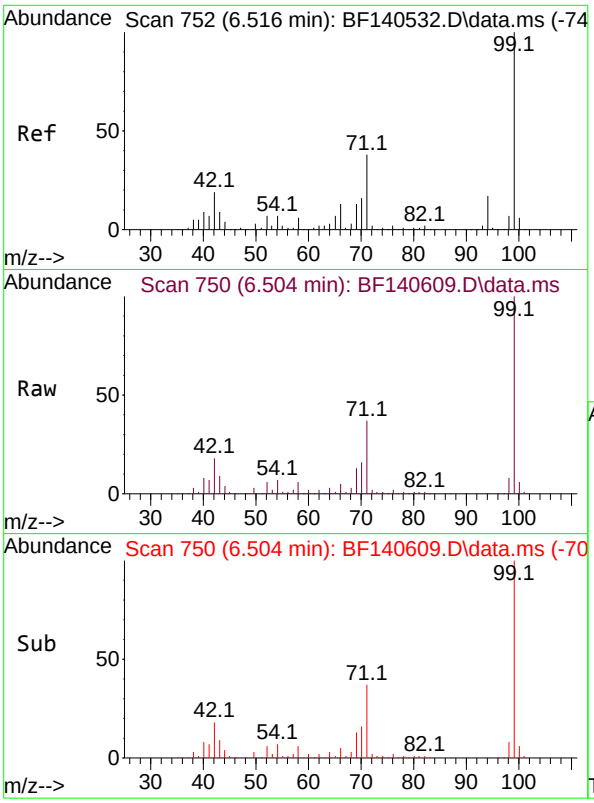


#5
2-Fluorophenol
Concen: 98.624 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Tgt Ion:112 Resp: 371969

Ion	Ratio	Lower	Upper
112	100		
64	58.5	49.2	73.8
63	31.5	27.0	40.4



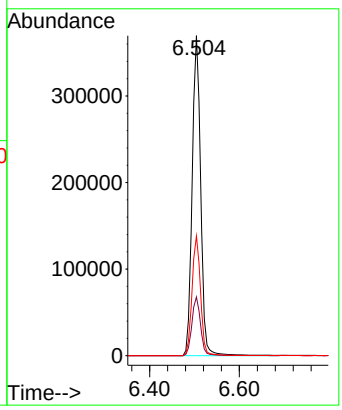


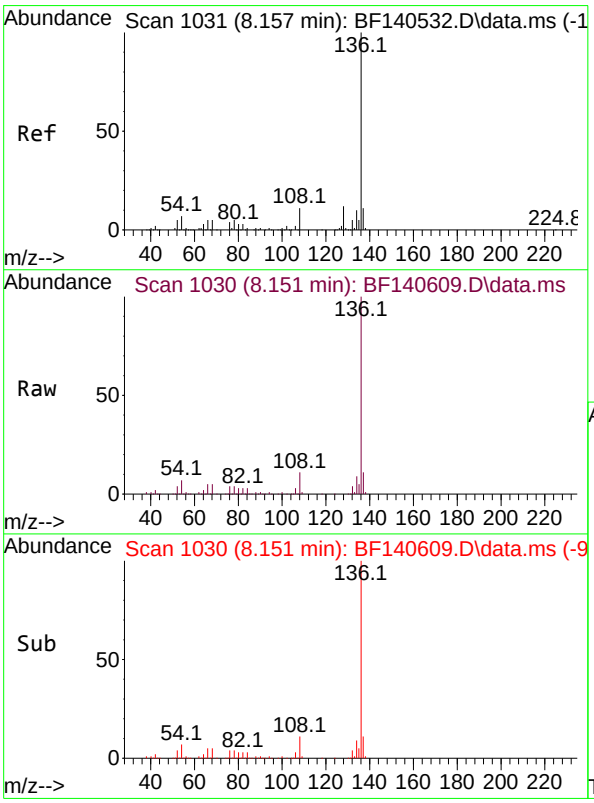
#7
Phenol-d6
Concen: 97.651 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tgt Ion: 99 Resp: 486900

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.4	23.0
71	37.4	30.6	46.0

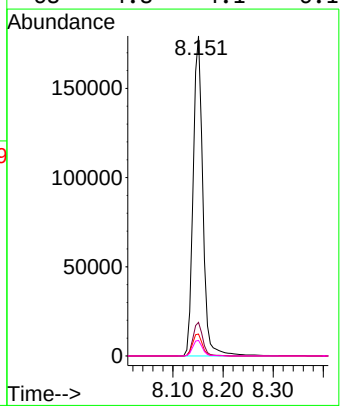


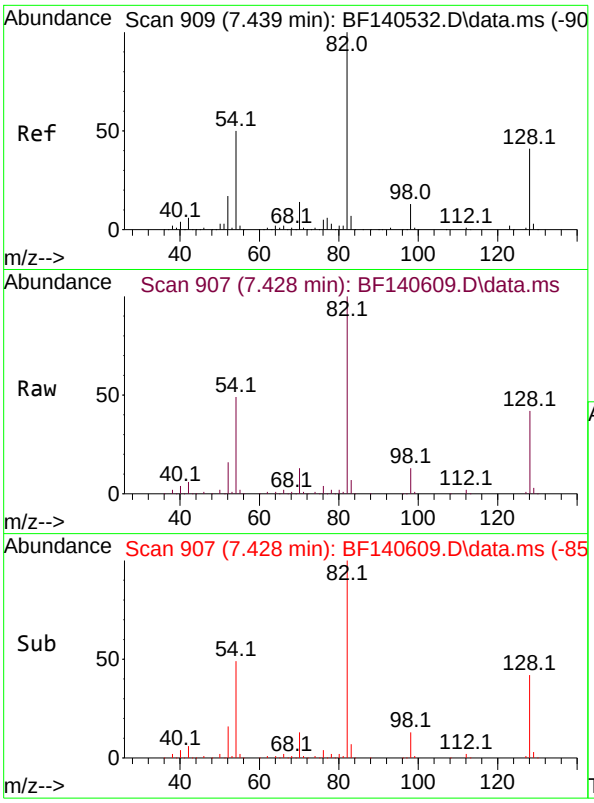


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Tgt Ion:136 Resp: 240053

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	6.8	5.8	8.8
68	4.8	4.1	6.1



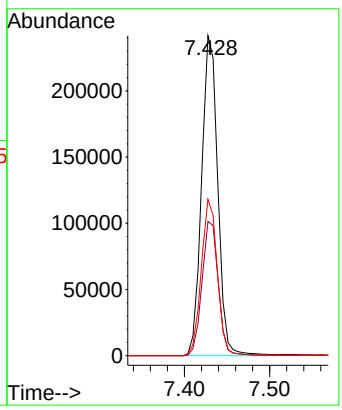


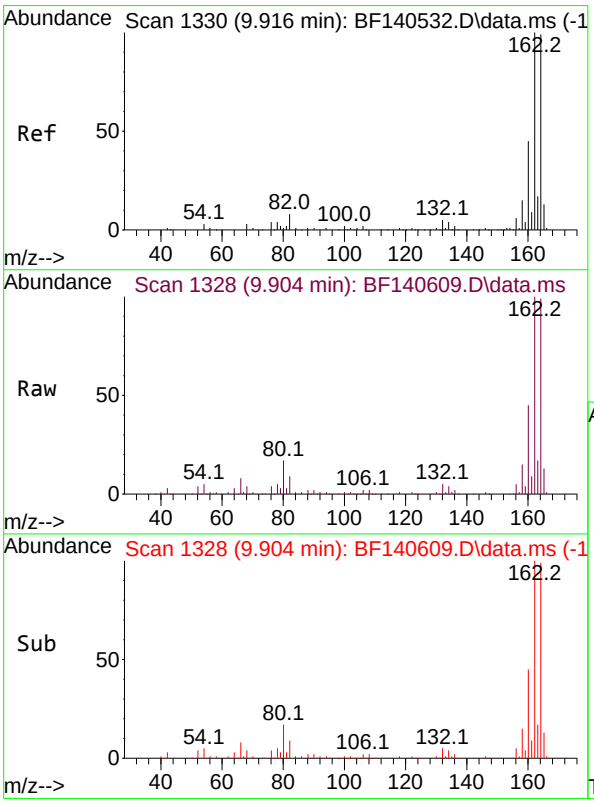
#23
Nitrobenzene-d5
Concen: 67.865 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tgt Ion: 82 Resp: 318496

Ion	Ratio	Lower	Upper
82	100		
128	41.9	33.0	49.4
54	48.9	39.5	59.3

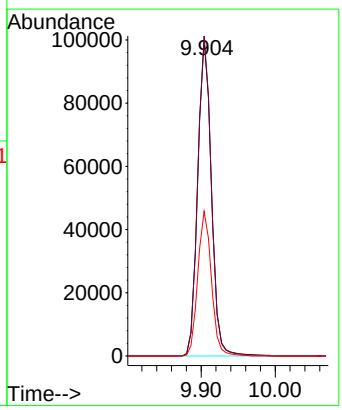


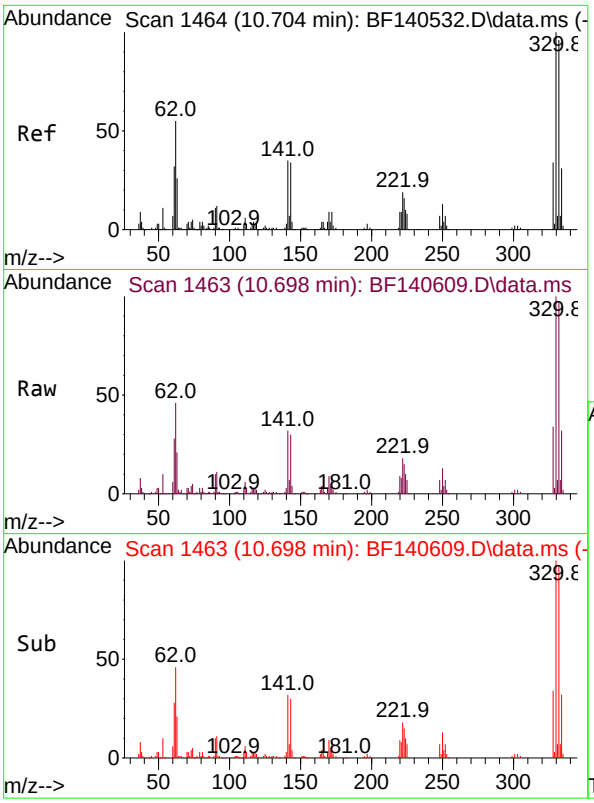


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Tgt Ion:164 Resp: 128312

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	45.7	36.2	54.4



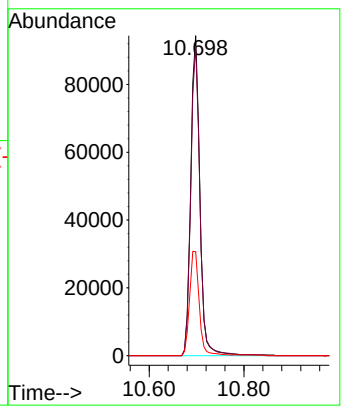


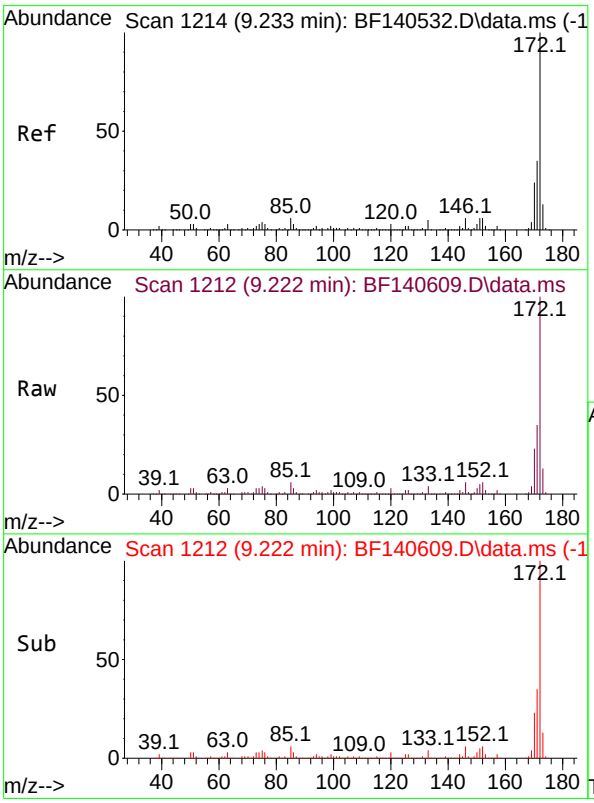
#42
2,4,6-Tribromophenol
Concen: 92.443 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tgt Ion:330 Resp: 126860

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	34.6	26.7	40.1

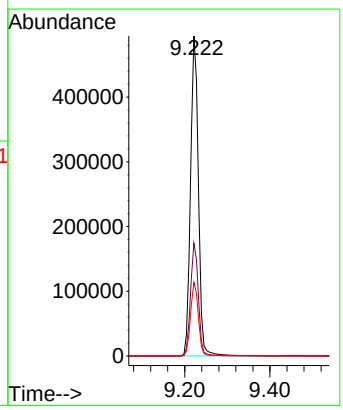


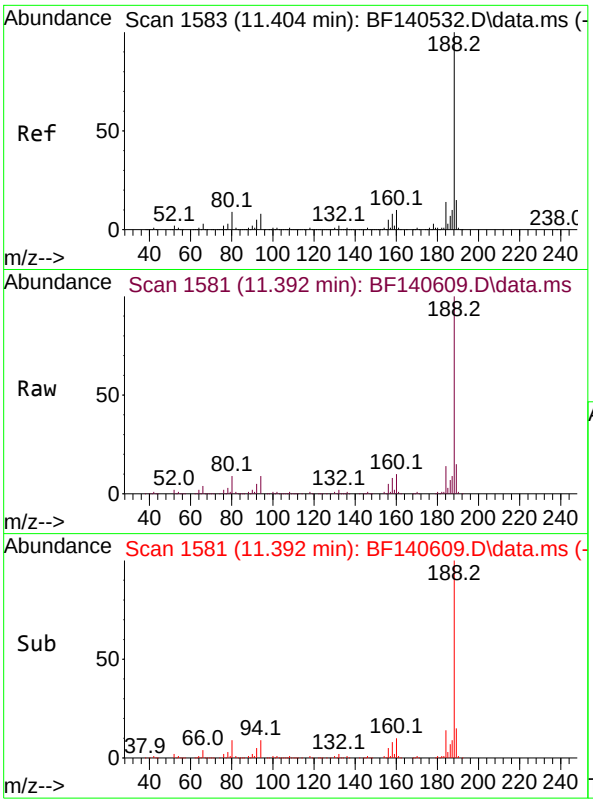


#45
2-Fluorobiphenyl
Concen: 73.486 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Tgt Ion:172 Resp: 632848

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.4	42.6
170	23.0	19.0	28.6



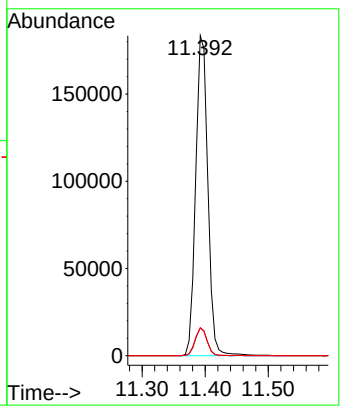


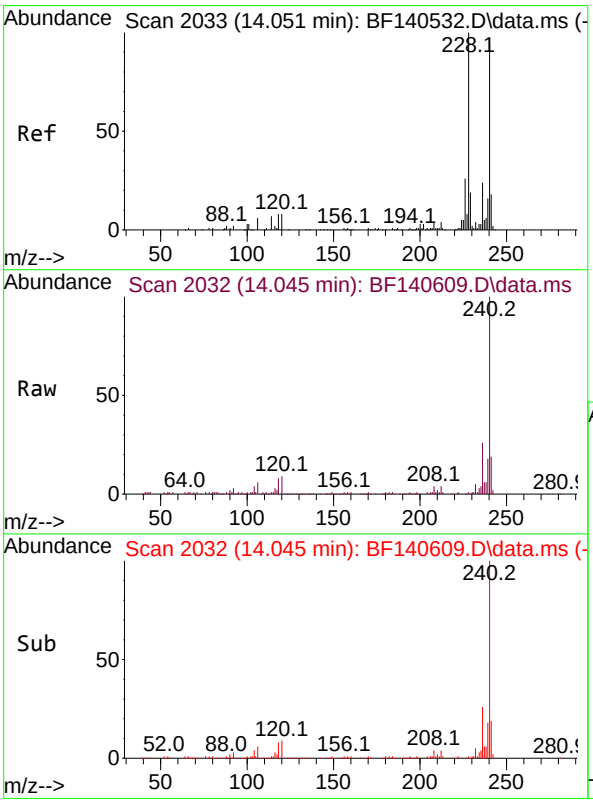
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tgt Ion:188 Resp: 245251

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.4	9.6
80	8.8	6.9	10.3

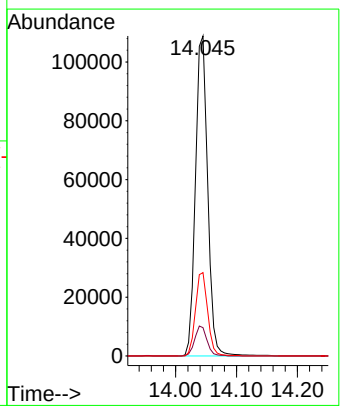


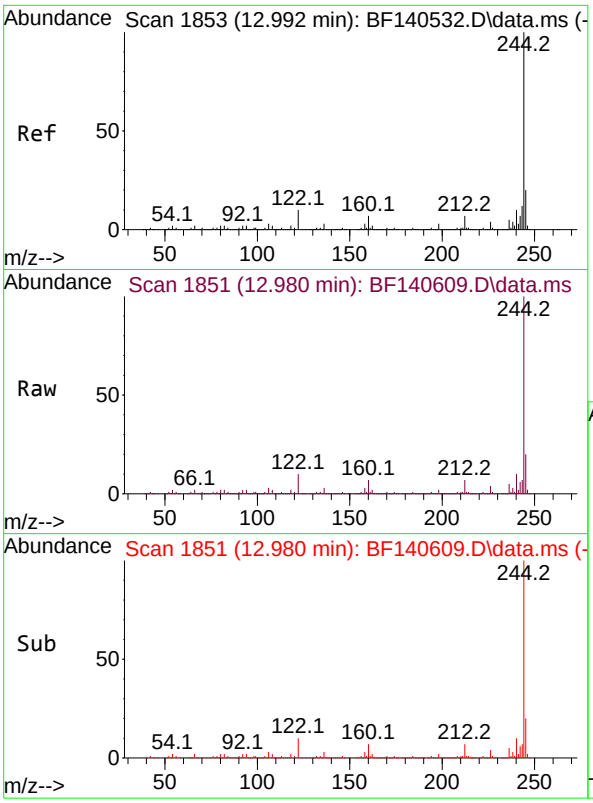


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Tgt Ion:240 Resp: 151880

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.3	10.9
236	26.1	20.6	31.0



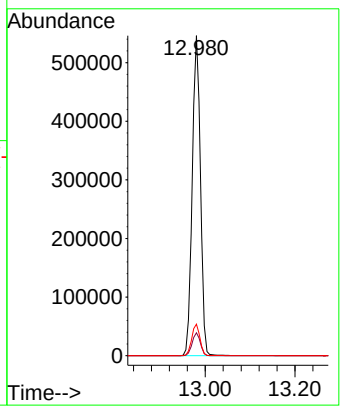


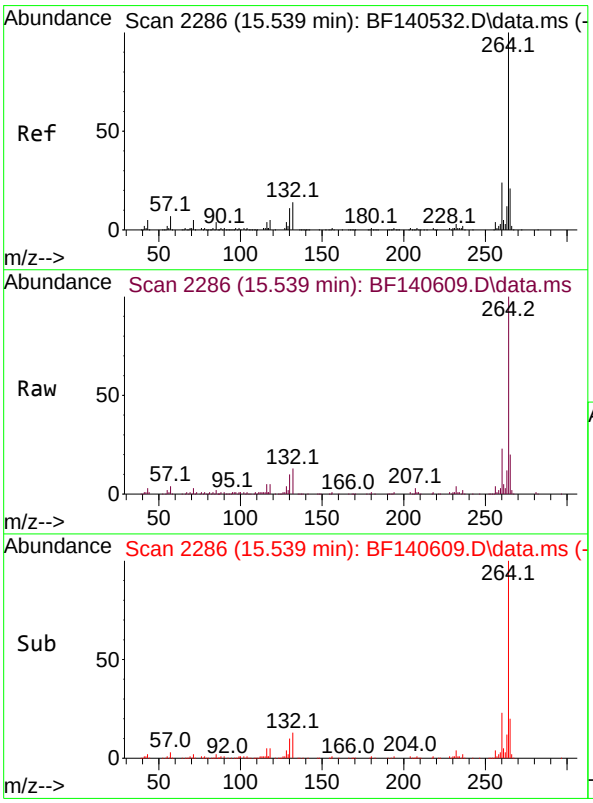
#79
Terphenyl-d14
Concen: 71.004 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tgt Ion:244 Resp: 692564

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	9.8	8.0	12.0

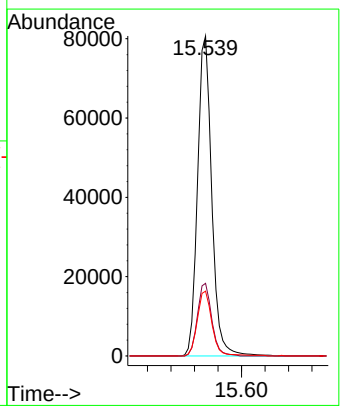




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Tgt Ion:264 Resp: 134969

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.6
265	20.2	16.6	25.0



Sample Results: **BF140609.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140609.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	504	509	518	rVB	21181	31645	1.74%	0.255%
2	5.492	573	578	594	rBV	952643	1322198	72.86%	10.637%
3	6.504	744	750	771	rBV	1066743	1437303	79.21%	11.563%
4	6.869	807	812	819	rBV	313561	379664	20.92%	3.054%
5	7.428	902	907	918	rBV	688756	908768	50.08%	7.311%
6	8.151	1024	1030	1044	rBV	361539	478807	26.39%	3.852%
7	9.222	1207	1212	1222	rBV	1417930	1786621	98.46%	14.373%
8	9.904	1323	1328	1340	rBV	427158	546386	30.11%	4.396%
9	10.616	1444	1449	1457	rBV	99351	126824	6.99%	1.020%
10	10.698	1457	1463	1477	rVV	698988	969983	53.45%	7.804%
11	10.810	1477	1482	1489	rVB4	9027	19825	1.09%	0.159%
12	11.392	1576	1581	1589	rBV	438315	601408	33.14%	4.838%
13	11.916	1665	1670	1682	rBV	134906	228074	12.57%	1.835%
14	12.339	1737	1742	1746	rBV2	57119	74573	4.11%	0.600%
15	12.615	1784	1789	1791	rBV	35097	53959	2.97%	0.434%
16	12.645	1791	1794	1800	rVV	72874	103878	5.72%	0.836%
17	12.704	1800	1804	1810	rVB	19837	34090	1.88%	0.274%
18	12.839	1823	1827	1834	rVB2	22493	31841	1.75%	0.256%
19	12.980	1845	1851	1856	rBV	1433570	1814641	100.00%	14.599%
20	13.115	1869	1874	1879	rBV	127615	157157	8.66%	1.264%
21	13.545	1942	1947	1952	rBV	24399	32950	1.82%	0.265%
22	13.874	1998	2003	2005	rBV	29293	45690	2.52%	0.368%
23	14.045	2027	2032	2043	rVB	300603	432045	23.81%	3.476%
24	14.192	2053	2057	2062	rVB	28407	36959	2.04%	0.297%
25	14.504	2106	2110	2115	rBV	31032	41788	2.30%	0.336%
26	14.815	2159	2163	2169	rVB	24351	33859	1.87%	0.272%
27	14.892	2173	2176	2183	rVB	17829	24382	1.34%	0.196%
28	15.157	2216	2221	2226	rBV	29850	43815	2.41%	0.352%
29	15.539	2280	2286	2297	rBV	221846	372267	20.51%	2.995%
30	15.986	2358	2362	2368	rVB2	14658	23319	1.29%	0.188%
31	16.286	2405	2413	2433	rVB2	22236	111314	6.13%	0.896%
32	16.445	2434	2440	2445	rBV2	58154	105767	5.83%	0.851%
33	17.656	2641	2646	2650	rBV6	8622	18230	1.00%	0.147%

Sum of corrected areas: 12430030

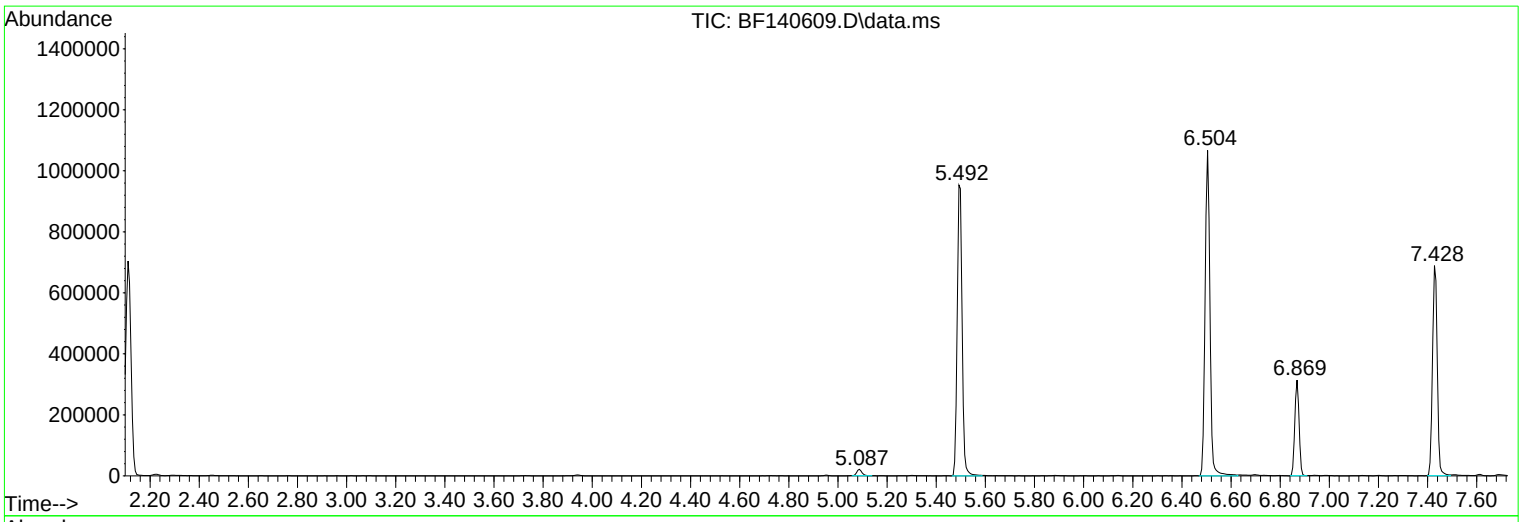
Sample Results: **BF140609.D**

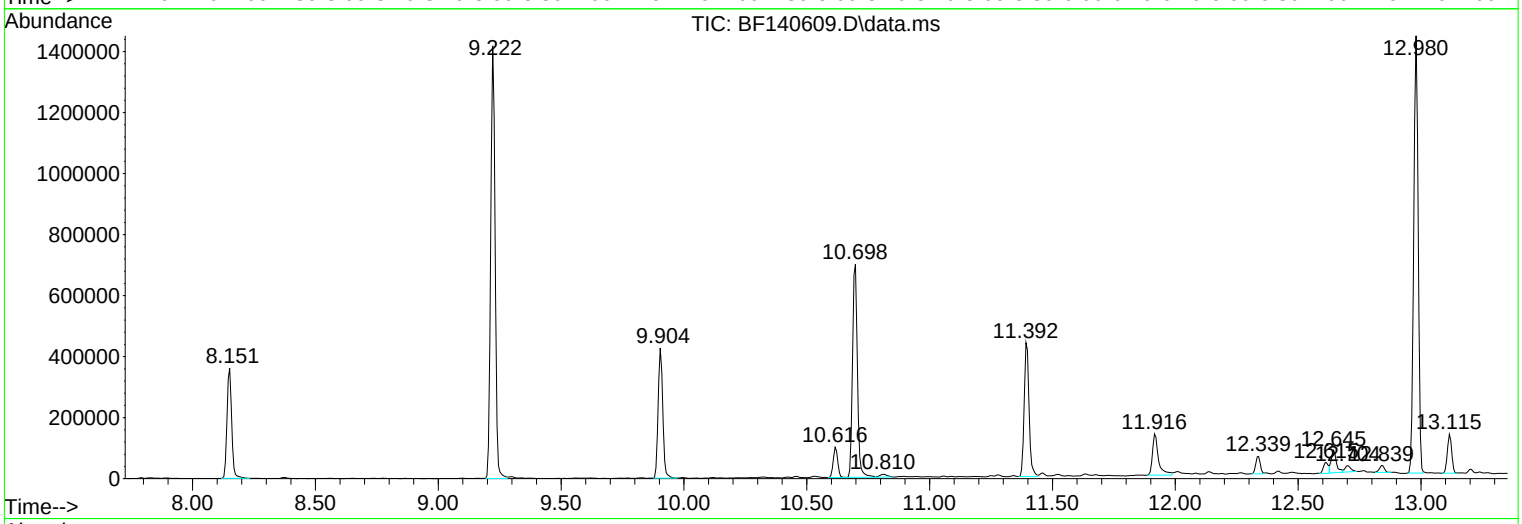
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

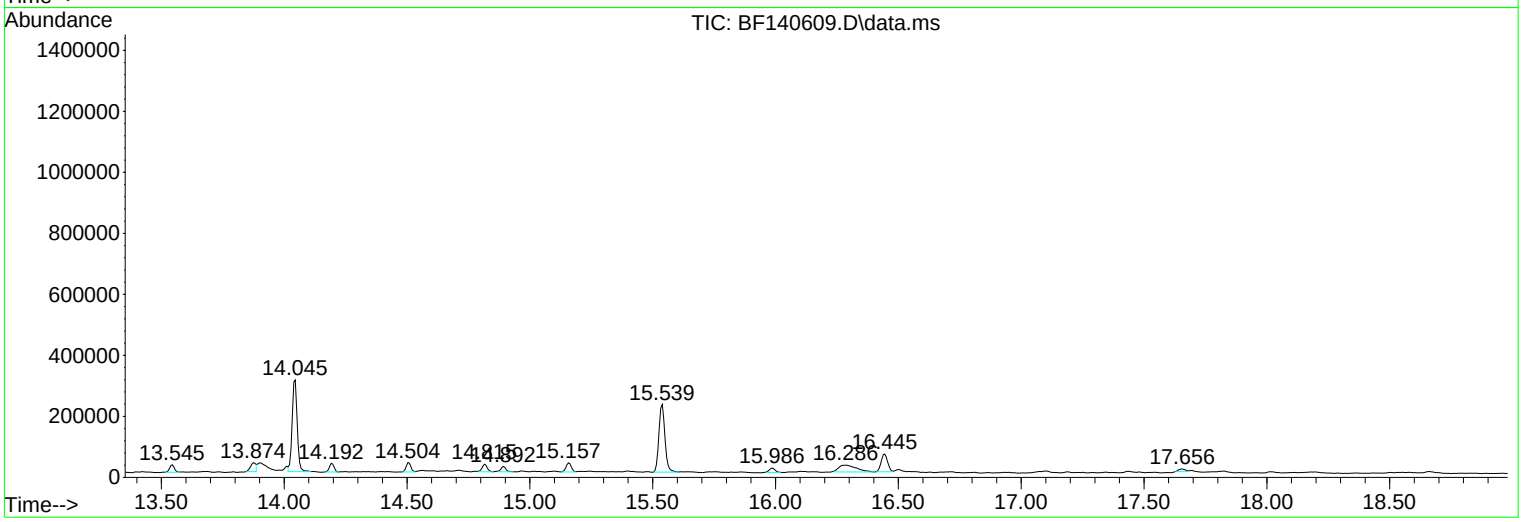
Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

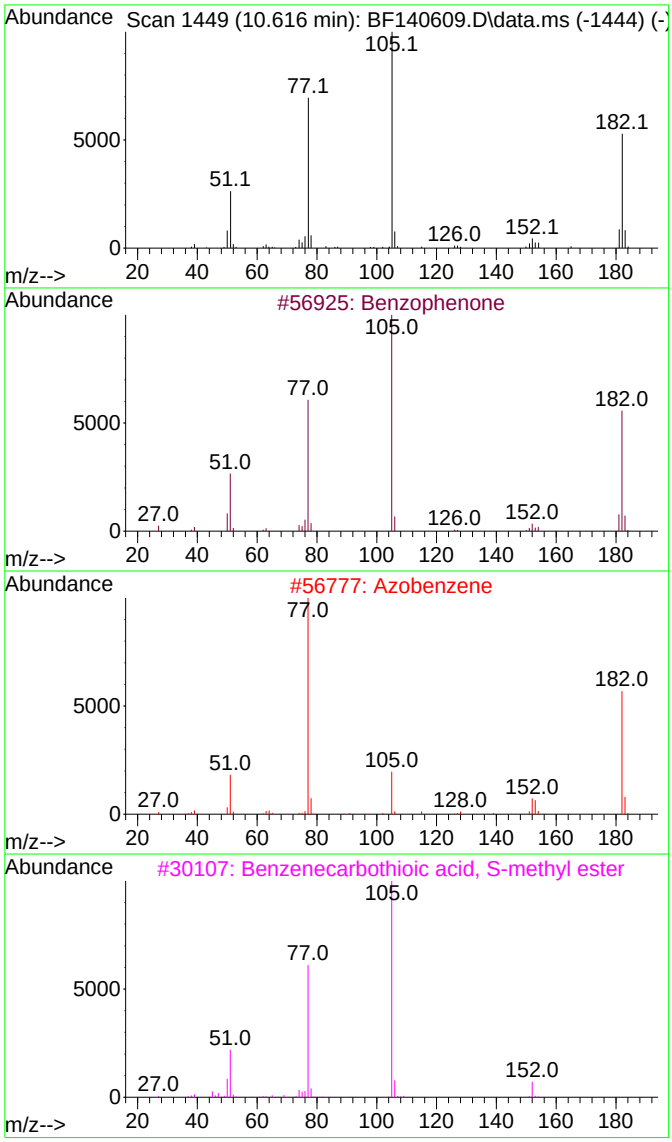
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

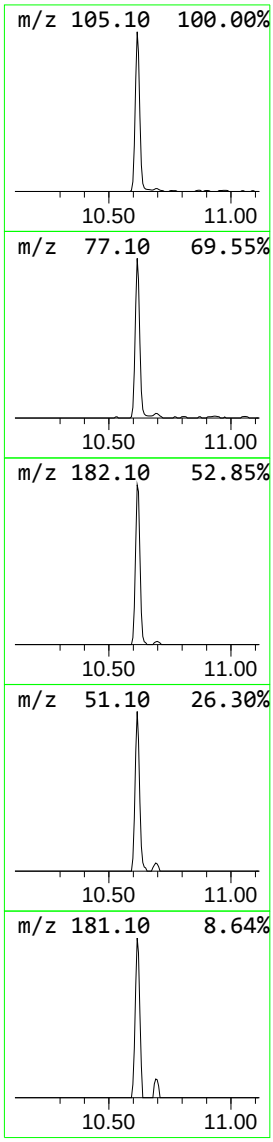
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Peak Number 1 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	4.64 ng	126824	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	64
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
5	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	49





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On    : 25 Nov 2024  18:07
Operator  : RC/JU
Sample    : P4860-01
Misc      :
ALS Vial  : 7   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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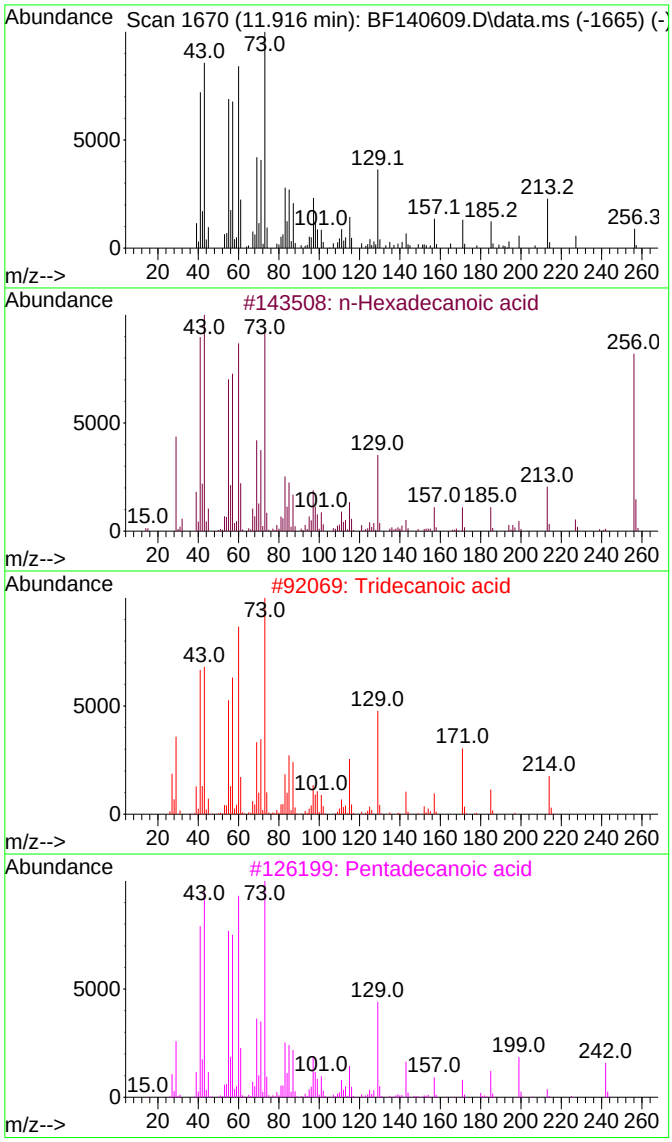
Instrument :
BNA_F
ClientSampleId :
DUP-01

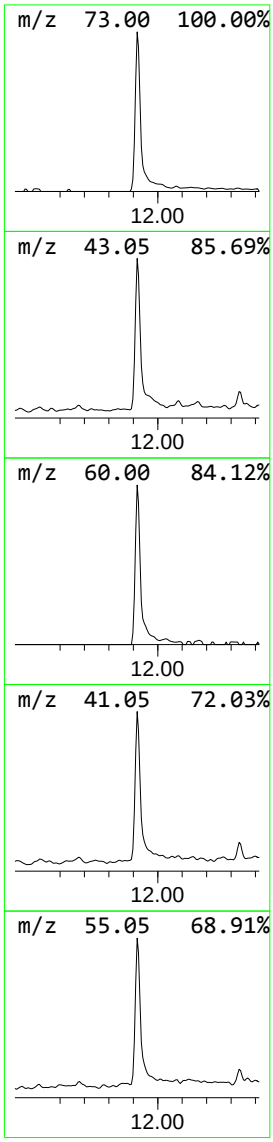
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Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	7.58 ng	228074	Phenanthrene-d10	11.392

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	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

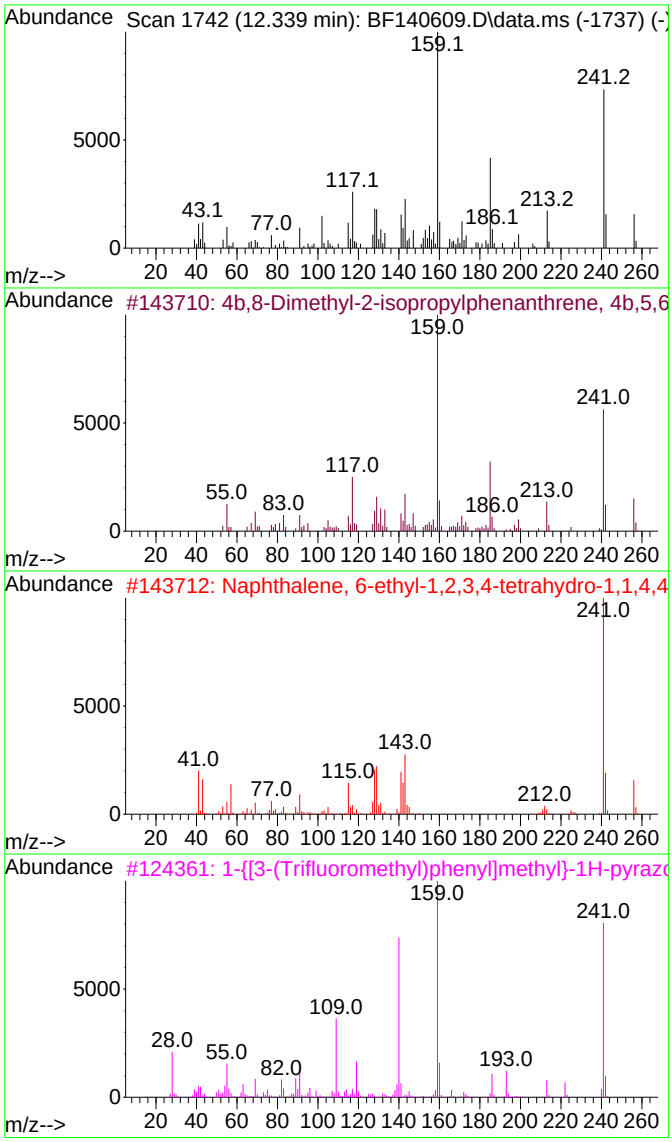
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TIC Integration Parameters: LSCINT.P

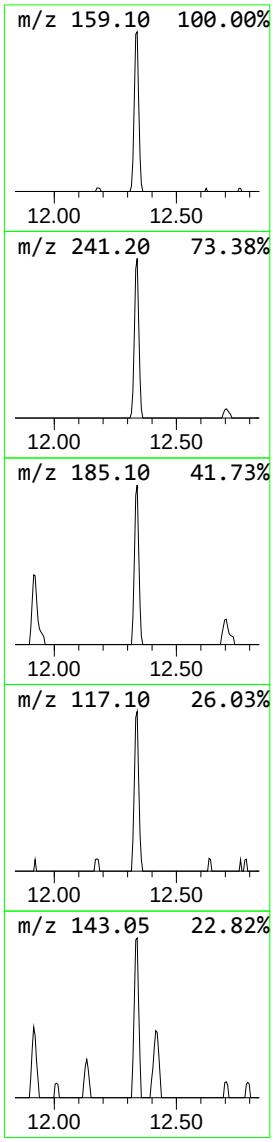
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Peak Number 3 4b,8-Dimethyl-2-isopropylph... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	2.48 ng	74573	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	95
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	52
3	1-{[3-(Trifluoromethyl)phenyl]me...	241	C11H10F3N3	1002033-51-3	52
4	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1010212-95-2	45
5	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	30





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On    : 25 Nov 2024  18:07
Operator  : RC/JU
Sample    : P4860-01
Misc      :
ALS Vial  : 7   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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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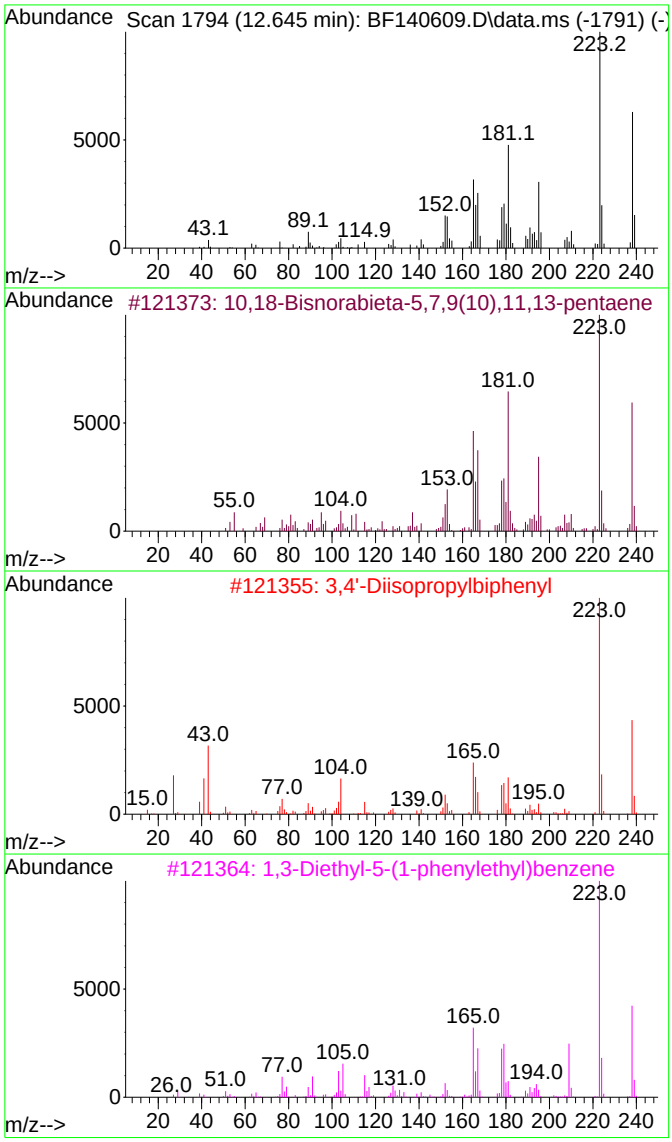
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ClientSampleId :
DUP-01

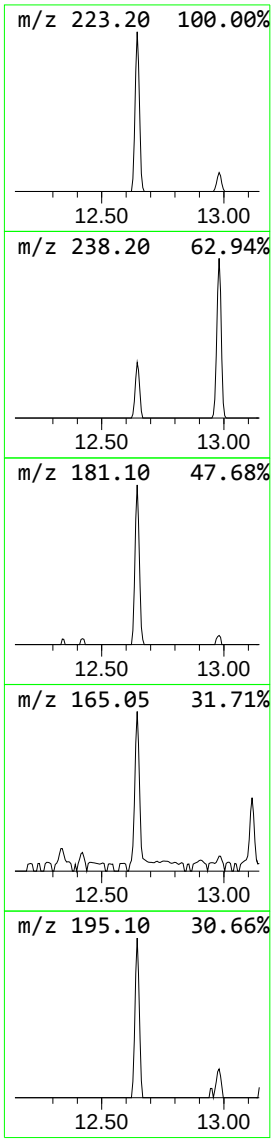
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Peak Number 4 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.645	3.45 ng	103878	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	90
3	1,3-Diethyl-5-(1-phenylethyl)ben...	238	C18H22	1000482-32-6	89
4	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	64
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

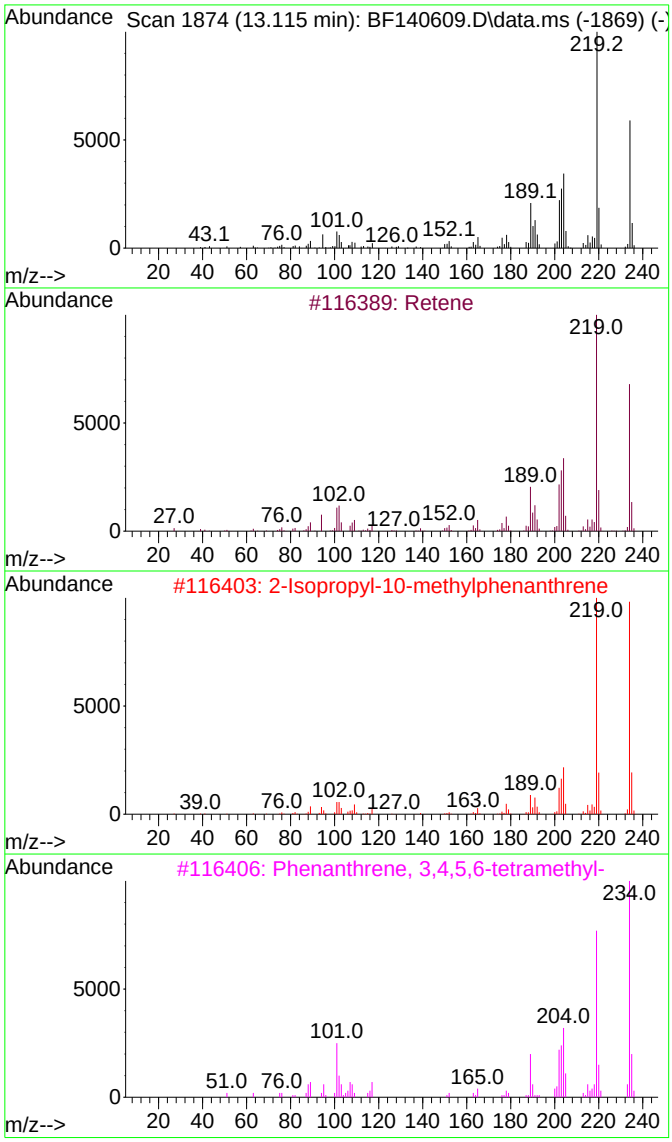
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TIC Integration Parameters: LSCINT.P

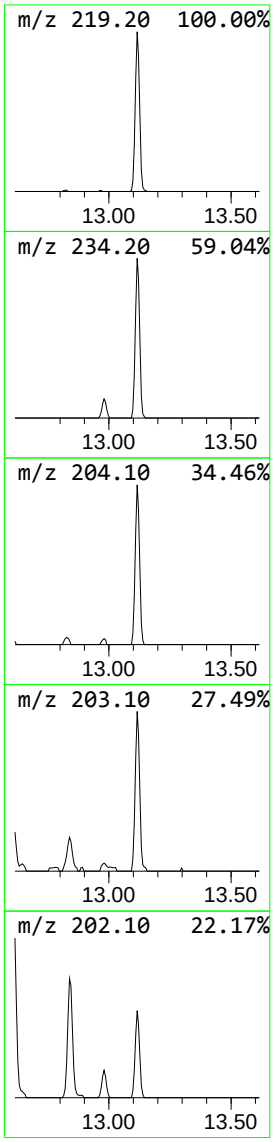
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Peak Number 5 Retene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.116	7.28 ng	157157	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	76
4	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	62
5	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

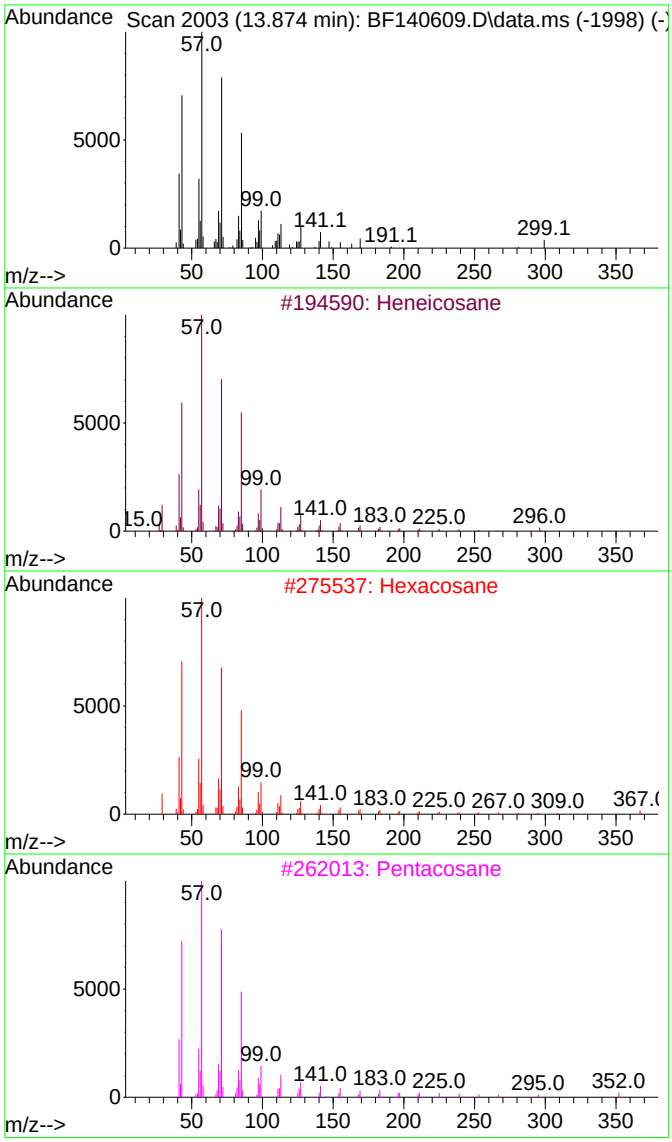
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TIC Integration Parameters: LSCINT.P

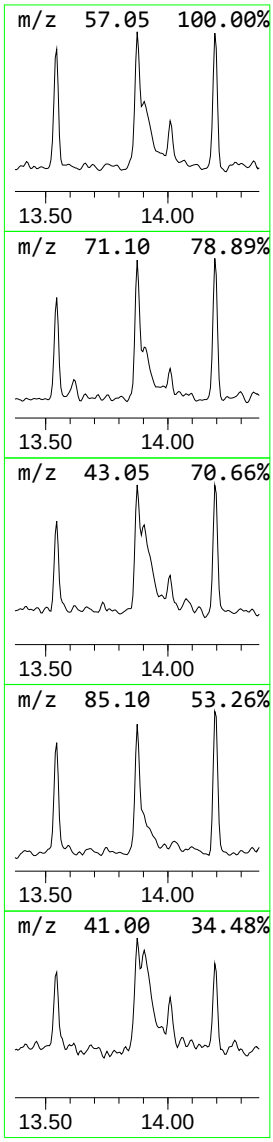
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Peak Number 6 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	2.12 ng	45690	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Pentacosane	352	C25H52	000629-99-2	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Eicosane	282	C20H42	000112-95-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

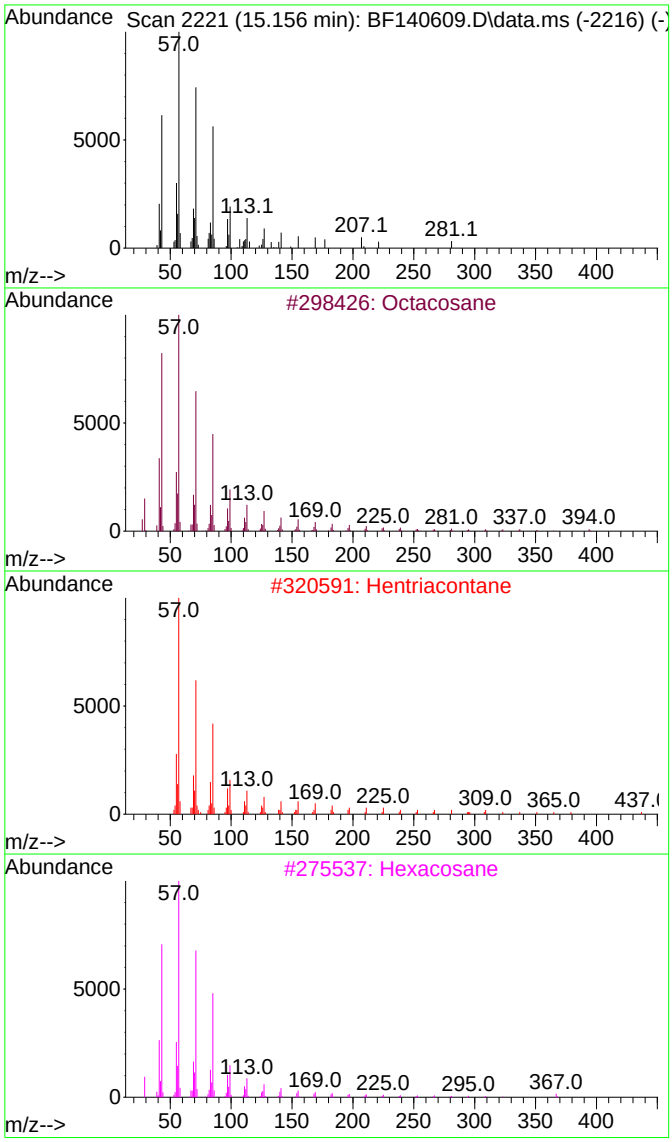
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

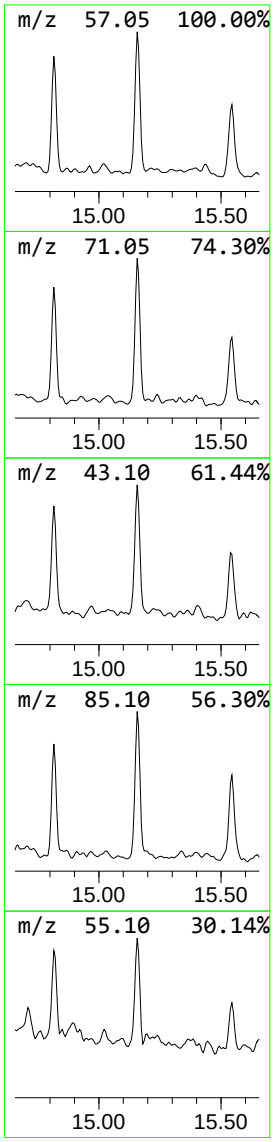
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Peak Number 7 Octacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.156	2.35 ng	43815	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Hentriacontane	437	C31H64	000630-04-6	91
3	Hexacosane	366	C26H54	000630-01-3	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Heptacosane	380	C27H56	000593-49-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

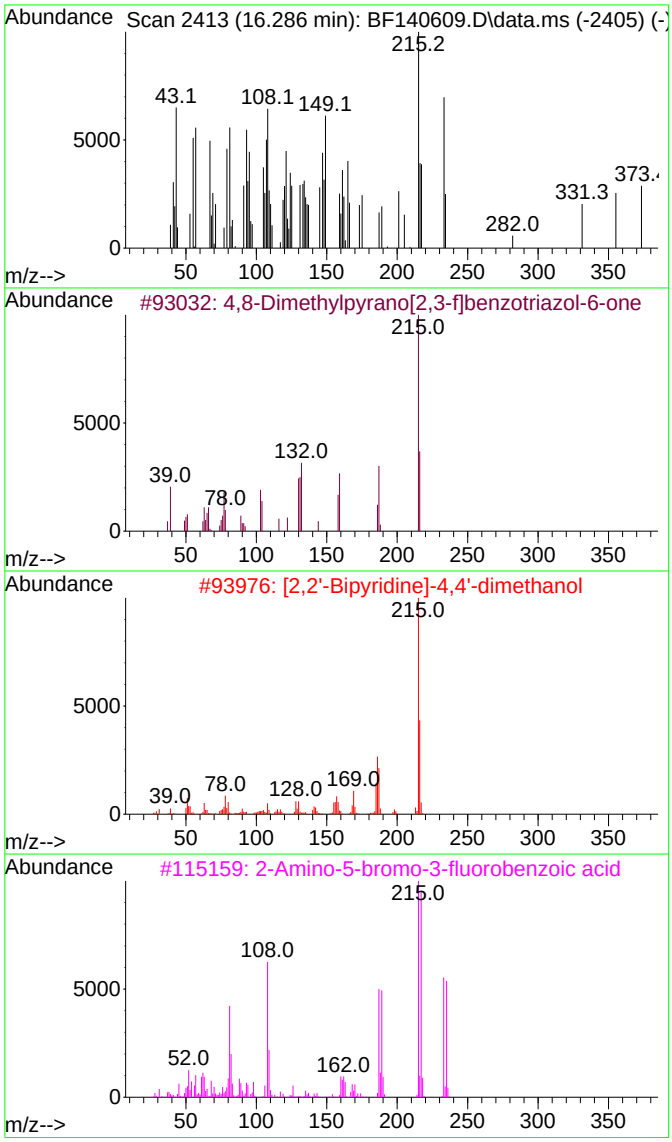
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

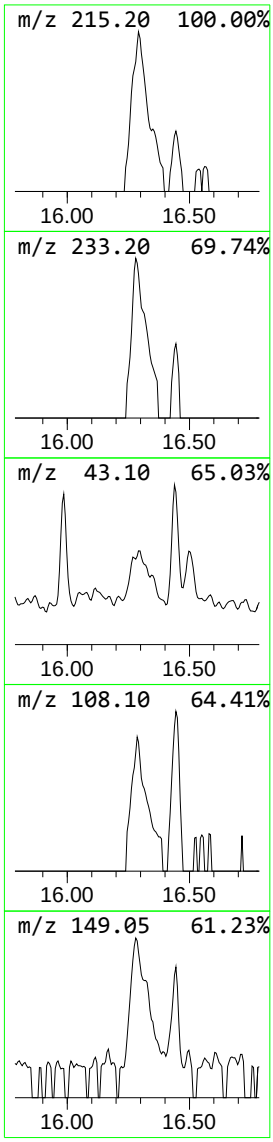
****

Peak Number 8 unknown16.286 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.286	5.98 ng	111314	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,8-Dimethylpyrano[2,3-f]benzotr...	215	C11H9N3O2	129503-12-4	14
2	[2,2'-Bipyridine]-4,4'-dimethanol	216	C12H12N2O2	109073-77-0	12
3	2-Amino-5-bromo-3-fluorobenzoic ...	233	C7H5BrFNO2	874784-14-2	12
4	4-Methyl-2H,3H,3aH-pyrrolo[1,2-a...	216	C12H12N2O2	1000387-53-2	12
5	2-Cyclohexen-3-ol-1-one, 2-benzoyl-	216	C13H12O3	061834-43-3	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

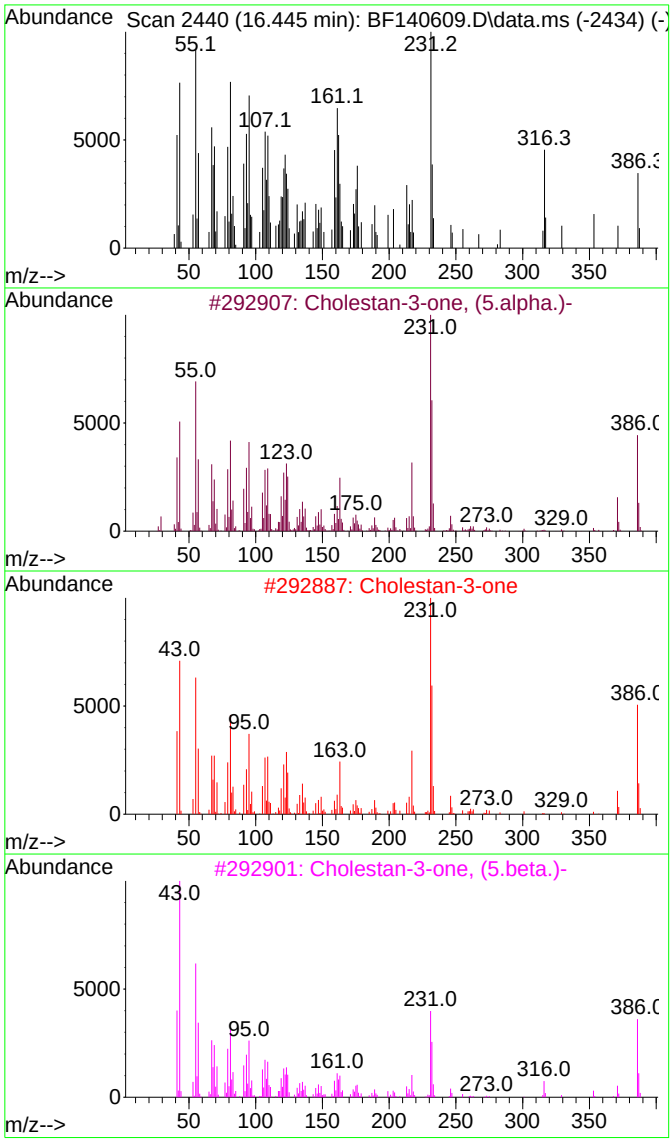
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TIC Integration Parameters: LSCINT.P

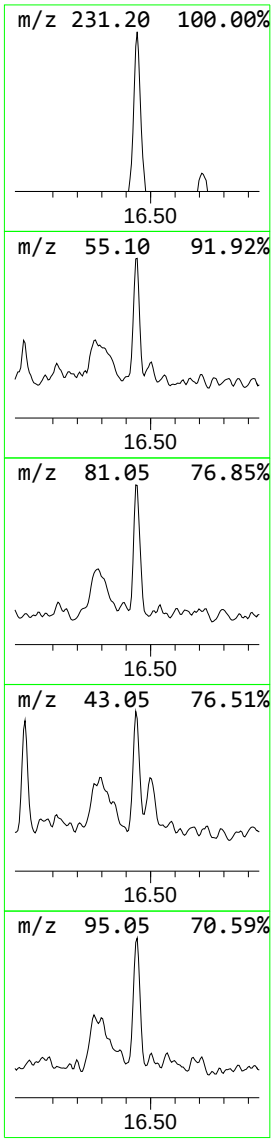
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Peak Number 9 Cholestan-3-one, (5.alpha.)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.445	5.68 ng	105767	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestan-3-one, (5.alpha.)-	386	C27H46O	000566-88-1	91
2	Cholestan-3-one	386	C27H46O	015600-08-5	91
3	Cholestan-3-one, (5.beta.)-	386	C27H46O	000601-53-6	86
4	Cholestane, 14-methyl-, (5.alpha.)-	386	C28H50	054482-34-7	30
5	Cholestane, 14-methyl-	386	C28H50	052474-84-7	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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	10.616	4.6	ng	126824	3	9.904	546386	20.0
n-Hexadecanoic ...	11.916	7.6	ng	228074	4	11.392	601408	20.0
4b,8-Dimethyl-2...	12.339	2.5	ng	74573	4	11.392	601408	20.0
10,18-Bisnorabi...	12.645	3.5	ng	103878	4	11.392	601408	20.0
Retene	13.116	7.3	ng	157157	5	14.045	432045	20.0
Heneicosane	13.874	2.1	ng	45690	5	14.045	432045	20.0
Octacosane	15.156	2.4	ng	43815	6	15.539	372267	20.0
unknown16.286	16.286	6.0	ng	111314	6	15.539	372267	20.0
Cholestan-3-one...	16.445	5.7	ng	105767	6	15.539	372267	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Time: Nov 22 22:17:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

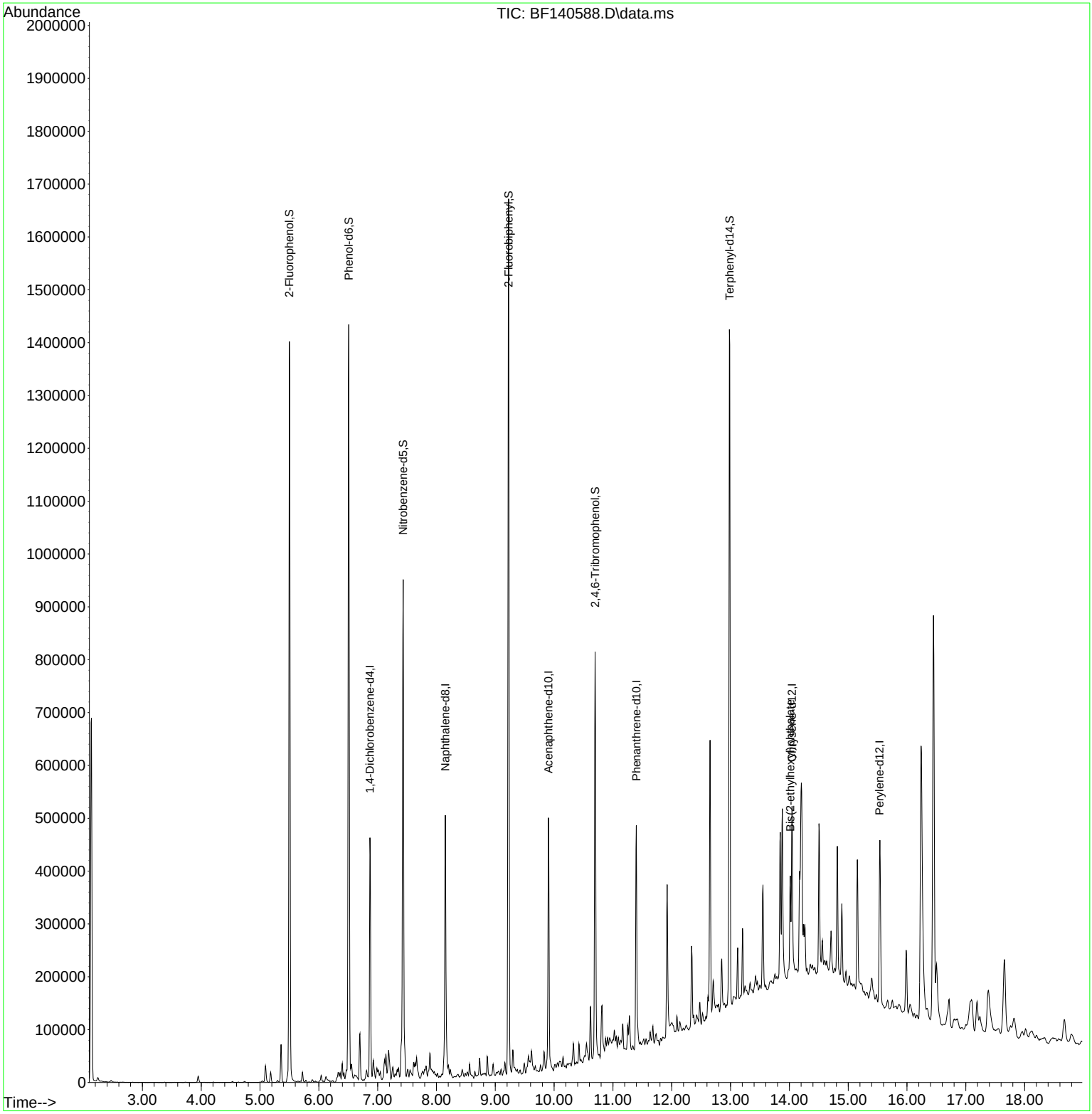
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	91972	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	309675	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	141425	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	223631	20.000	ng	0.00
76) Chrysene-d12	14.045	240	148537	20.000	ng	0.00
86) Perylene-d12	15.533	264	113324	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	537625	99.737	ng	0.00
7) Phenol-d6	6.510	99	689964	96.820	ng	0.00
23) Nitrobenzene-d5	7.434	82	434510	71.770	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	131171	86.722	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	758546	79.914	ng	0.00
79) Terphenyl-d14	12.986	244	647587	67.887	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	14.016	149	77057	12.334	ng	99

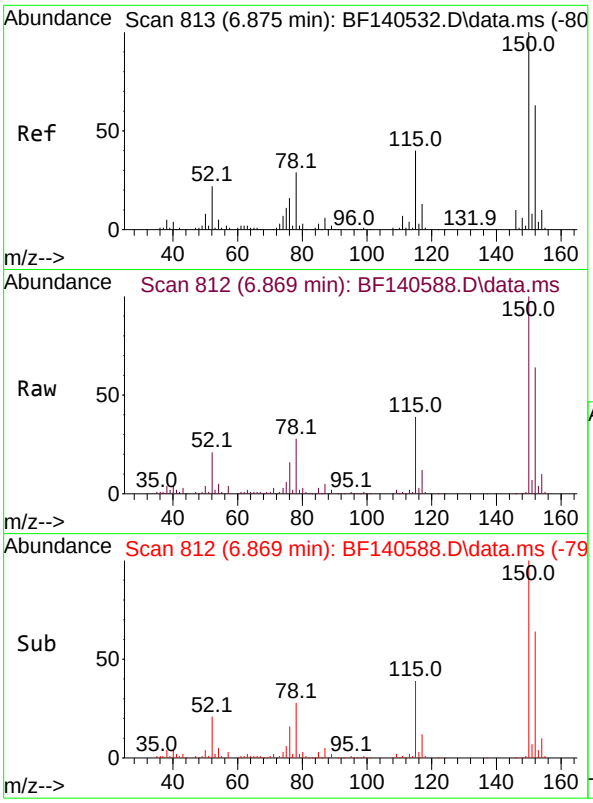
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Time: Nov 22 22:17:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



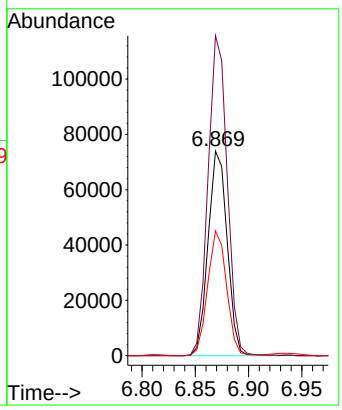


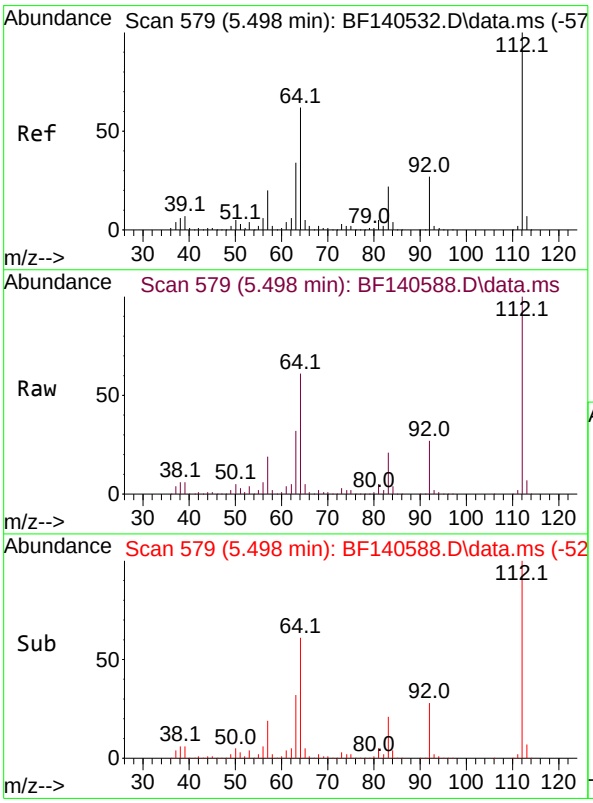
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion:152 Resp: 91972

Ion	Ratio	Lower	Upper
152	100		
150	156.4	128.5	192.7
115	61.0	50.2	75.4

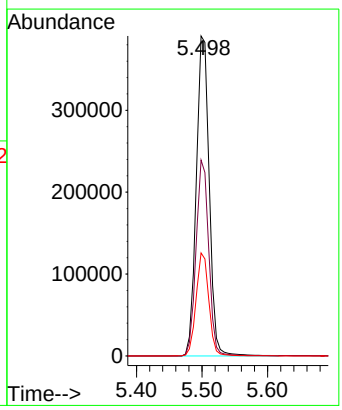


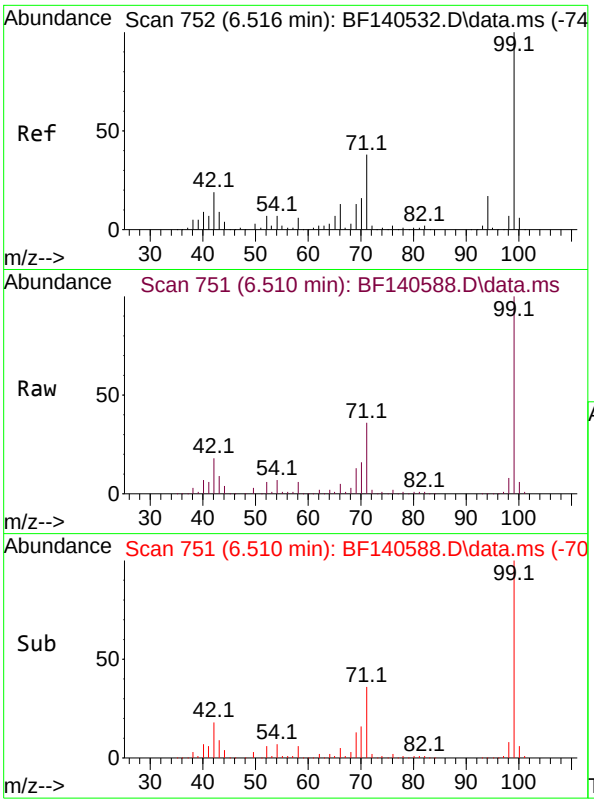


#5
2-Fluorophenol
Concen: 99.737 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Tgt Ion:112 Resp: 537625

Ion	Ratio	Lower	Upper
112	100		
64	61.2	49.2	73.8
63	32.2	27.0	40.4



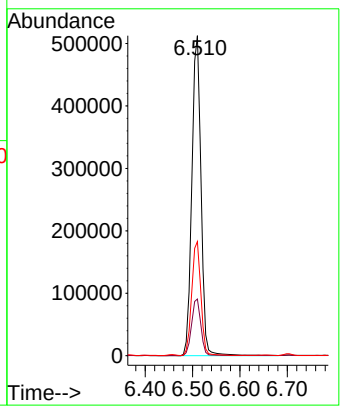


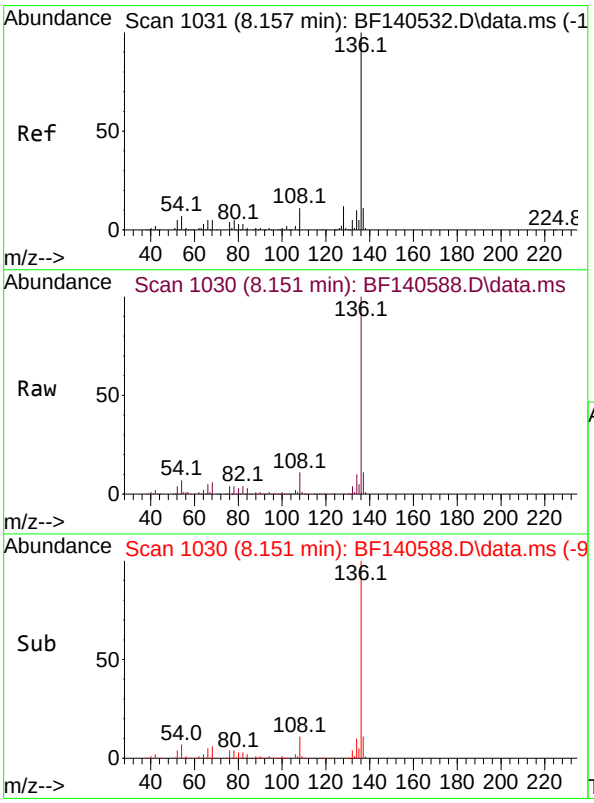
#7
Phenol-d6
Concen: 96.820 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion: 99 Resp: 689964

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.4	23.0
71	35.6	30.6	46.0

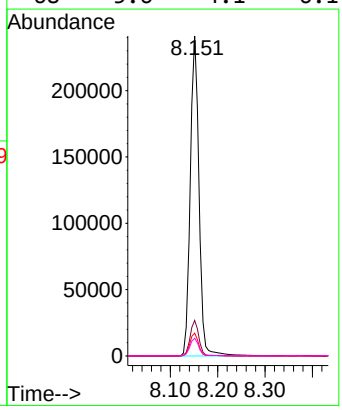


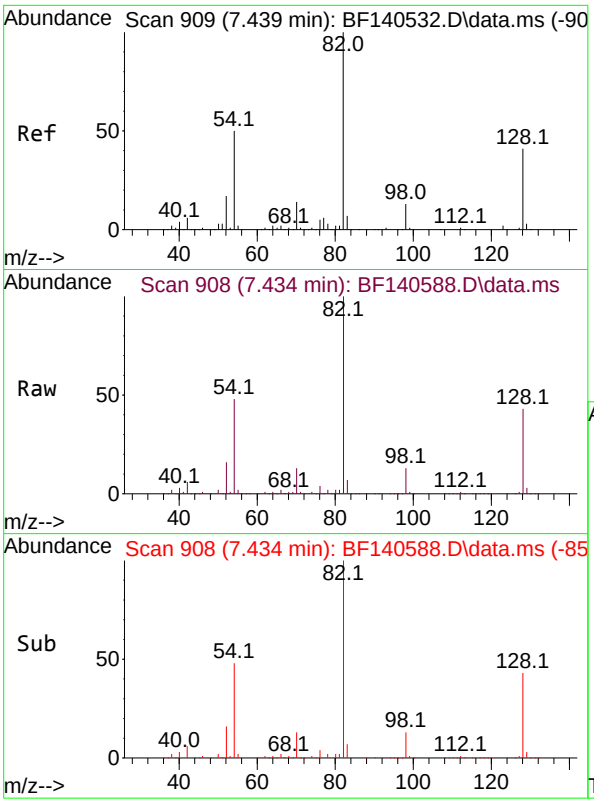


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Tgt Ion:136 Resp: 309675

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.2	5.8	8.8
68	5.6	4.1	6.1



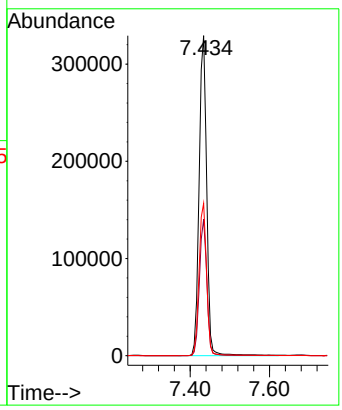


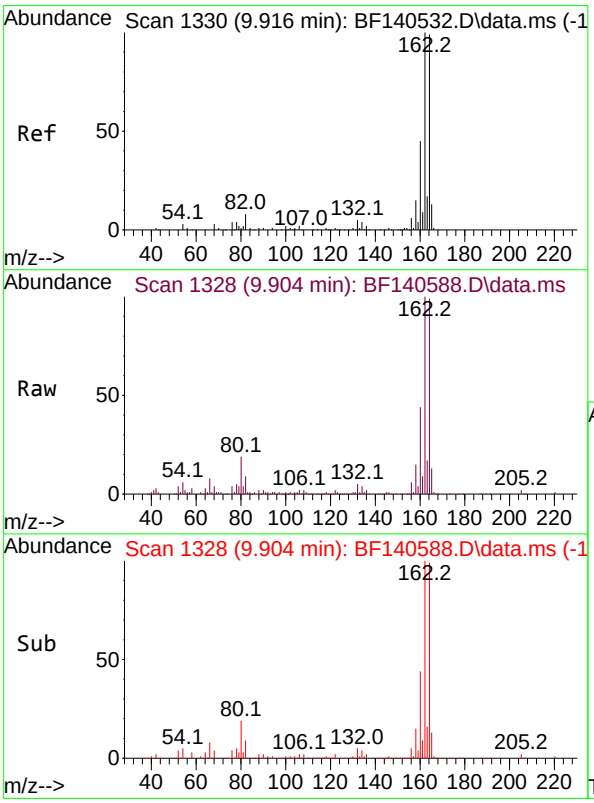
#23
Nitrobenzene-d5
Concen: 71.770 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion: 82 Resp: 434510

Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.0	49.4
54	47.6	39.5	59.3

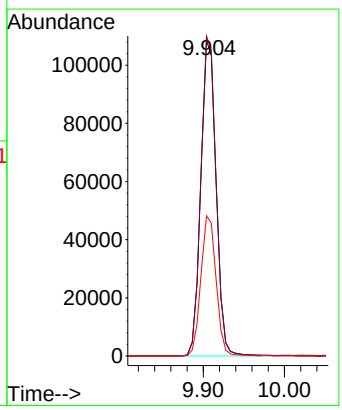


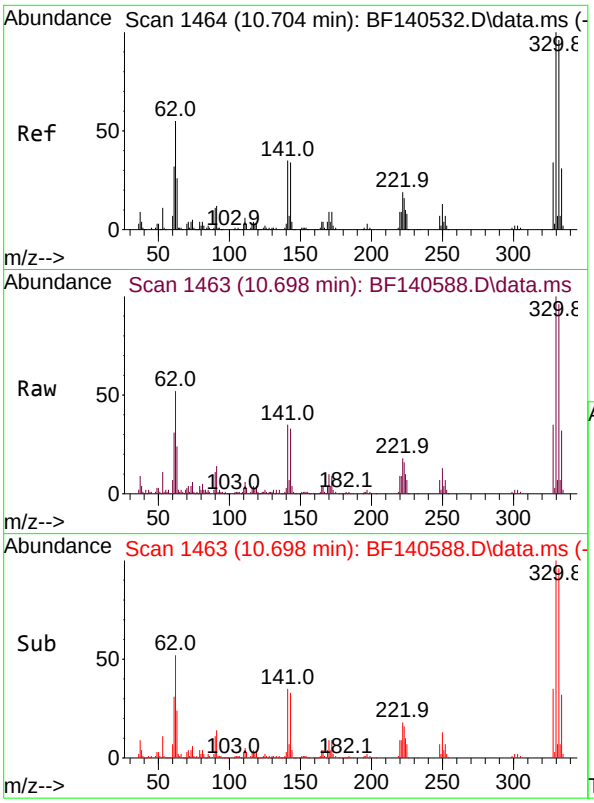


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Tgt Ion:164 Resp: 141425

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	120.8
160	44.4	36.2	54.4



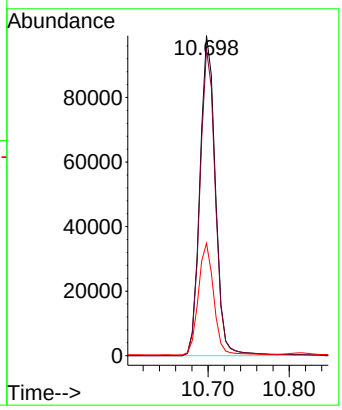


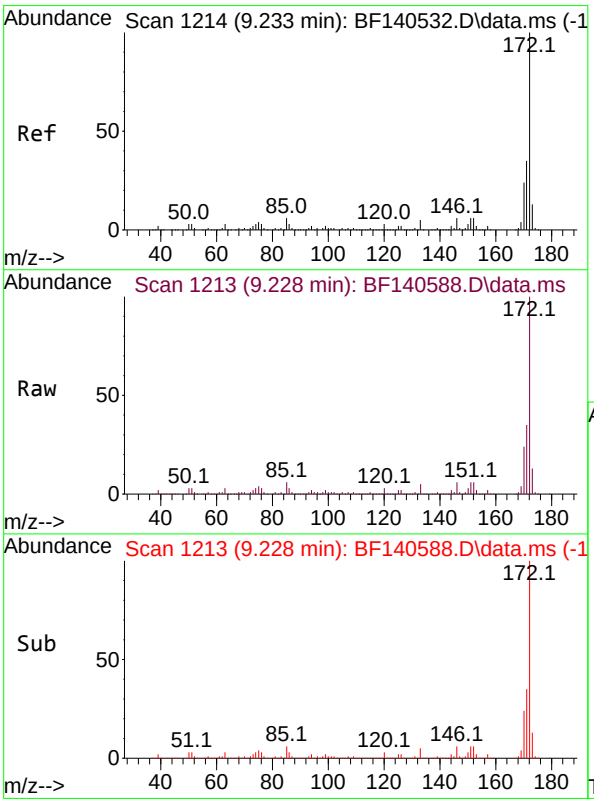
#42
2,4,6-Tribromophenol
Concen: 86.722 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion:330 Resp: 131171

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	34.7	26.7	40.1

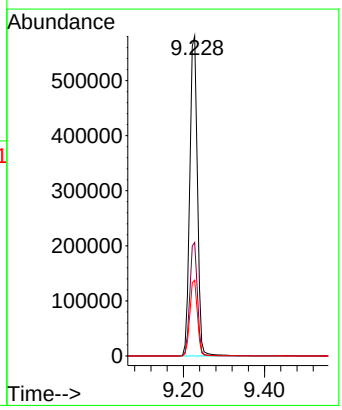


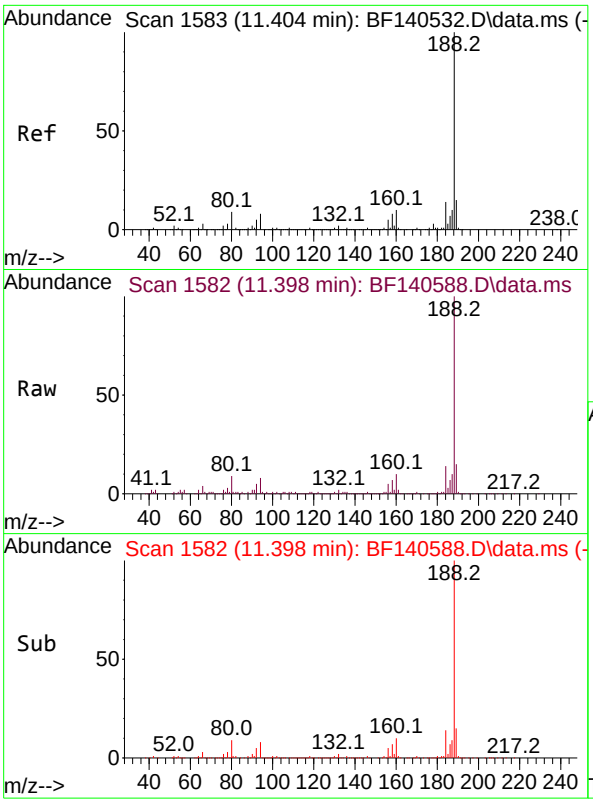


#45
2-Fluorobiphenyl
Concen: 79.914 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Tgt Ion:172 Resp: 758546

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.7	19.0	28.6



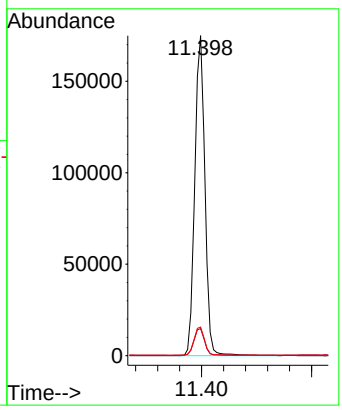


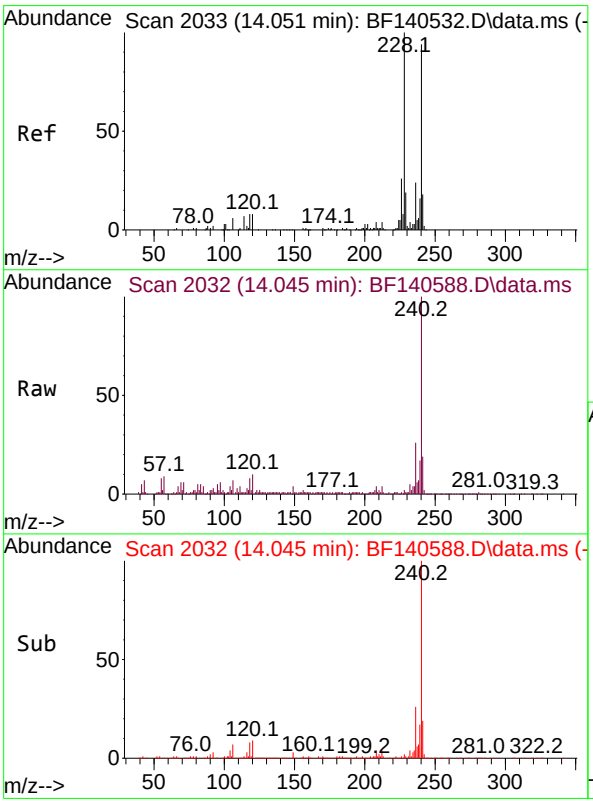
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion:188 Resp: 223631

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.4	9.6
80	9.0	6.9	10.3

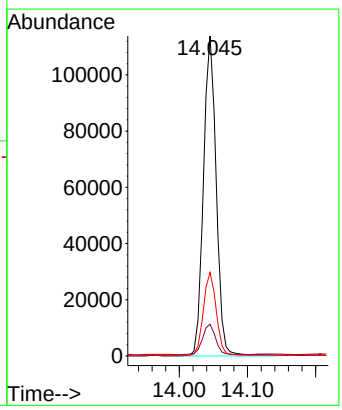


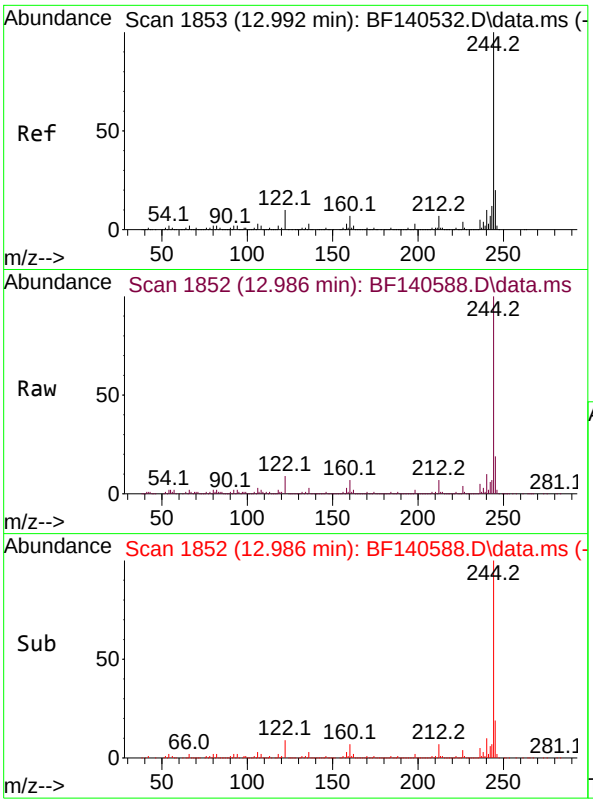


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Tgt Ion:240 Resp: 148537

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.3	10.9
236	26.1	20.6	31.0



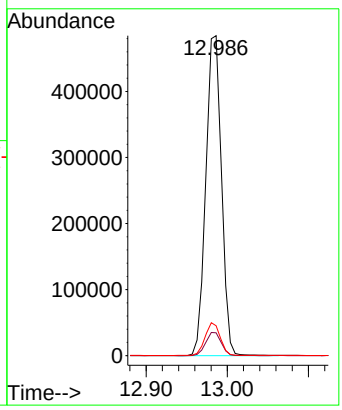


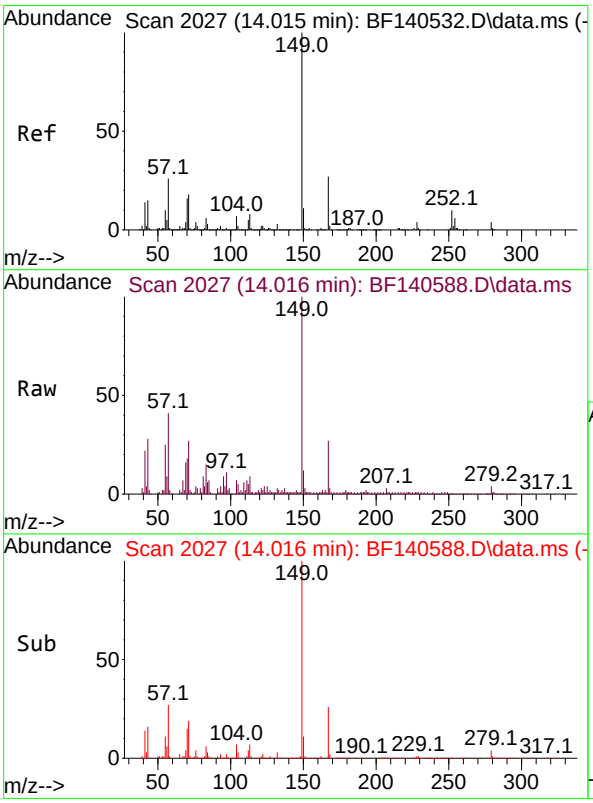
#79
Terphenyl-d14
Concen: 67.887 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion:244 Resp: 647587

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	9.4	8.0	12.0

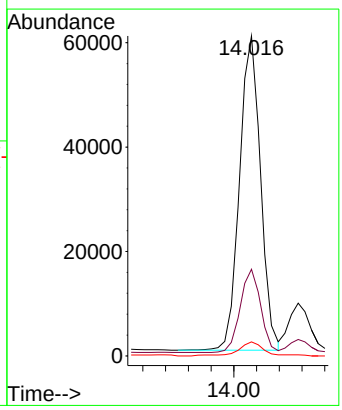


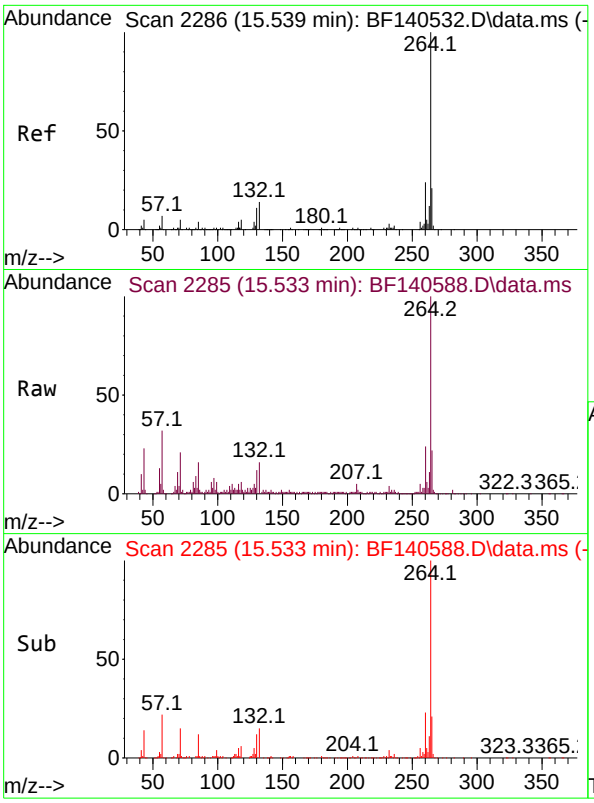


#84
Bis(2-ethylhexyl)phthalate
Concen: 12.334 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Tgt Ion:149 Resp: 77057

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.2	31.8
279	4.4	3.2	4.8



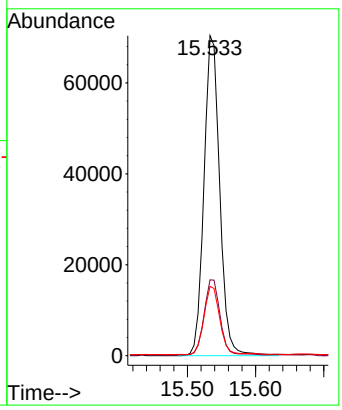


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion:264 Resp: 113324

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	21.7	16.6	25.0



Sample Results: **BF140588.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140588.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	3	7	17	rVB	686273	1055284	48.76%	4.054%
2	5.093	505	510	520	rVB	31254	48727	2.25%	0.187%
3	5.181	520	525	530	rBV	19257	25429	1.17%	0.098%
4	5.357	550	555	560	rBV	71173	89794	4.15%	0.345%
5	5.498	574	579	594	rVB	1399798	1898570	87.72%	7.294%
6	5.722	613	617	623	rVB	18632	25191	1.16%	0.097%
7	6.040	662	671	675	rBV	13403	22075	1.02%	0.085%
8	6.122	679	685	692	rBV5	9988	22532	1.04%	0.087%
9	6.334	711	721	723	rBV	18694	40559	1.87%	0.156%
10	6.398	729	732	735	rBV	29128	33539	1.55%	0.129%
11	6.510	745	751	756	rVV	1426685	1907531	88.13%	7.328%
12	6.551	756	758	764	rVB2	26622	37511	1.73%	0.144%
13	6.698	778	783	791	rVB2	88514	123421	5.70%	0.474%
14	6.810	795	802	807	rBV2	18813	36458	1.68%	0.140%
15	6.869	807	812	818	rBV	452764	587590	27.15%	2.257%
16	6.928	818	822	828	rVB2	33177	52456	2.42%	0.202%
17	6.987	828	832	834	rBV2	18860	25488	1.18%	0.098%
18	7.116	847	854	856	rBV	37547	55393	2.56%	0.213%
19	7.139	856	858	861	rVV	44636	51190	2.37%	0.197%
20	7.187	861	866	873	rVB2	54619	108994	5.04%	0.419%
21	7.257	873	878	882	rBV2	23169	38596	1.78%	0.148%
22	7.434	903	908	917	rVB	940269	1289460	59.58%	4.954%
23	7.551	925	928	935	rBV4	12402	23447	1.08%	0.090%
24	7.610	935	938	941	rBV	24841	35632	1.65%	0.137%
25	7.663	944	947	956	rVB2	39348	71417	3.30%	0.274%
26	7.769	958	965	967	rBV4	13315	28119	1.30%	0.108%
27	7.822	972	974	978	rVB2	18658	23368	1.08%	0.090%
28	7.887	978	985	989	rBV3	42870	73823	3.41%	0.284%
29	8.151	1022	1030	1037	rBV	490962	705534	32.60%	2.711%
30	8.234	1042	1044	1052	rVB4	15561	23907	1.10%	0.092%
31	8.563	1097	1100	1107	rVB	22356	27263	1.26%	0.105%
32	8.734	1125	1129	1134	rVB	32815	39655	1.83%	0.152%
33	8.863	1148	1151	1158	rVB2	37263	49169	2.27%	0.189%
34	8.963	1164	1168	1174	rVB	21231	28317	1.31%	0.109%
35	9.163	1199	1202	1207	rVB2	22311	28918	1.34%	0.111%
36	9.228	1207	1213	1221	rBV	1656429	2164398	100.00%	8.315%

Sample Results: **BF140588.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.298	1221	1225	1229	rBV	42354	57923	2.68%	0.223%
38	9.492	1254	1258	1262	rBV	18417	26740	1.24%	0.103%
39	9.563	1262	1270	1273	rBV3	31756	65789	3.04%	0.253%
40	9.616	1276	1279	1287	rVB2	36151	61362	2.84%	0.236%
41	9.828	1309	1315	1320	rBV	37166	63374	2.93%	0.243%
42	9.904	1320	1328	1342	rVB	478789	685964	31.69%	2.635%
43	10.016	1342	1347	1350	rBV3	12243	22519	1.04%	0.087%
44	10.151	1366	1370	1374	rVB3	18614	23404	1.08%	0.090%
45	10.328	1394	1400	1404	rBV2	42624	67597	3.12%	0.260%
46	10.422	1413	1416	1420	rBV	37021	45792	2.12%	0.176%
47	10.551	1434	1438	1445	rVB2	31730	58501	2.70%	0.225%
48	10.622	1445	1450	1455	rBV	100969	137638	6.36%	0.529%
49	10.698	1458	1463	1473	rVB	763394	1005123	46.44%	3.862%
50	10.816	1477	1483	1490	rBV4	99236	205213	9.48%	0.788%
51	10.875	1490	1493	1496	rBV2	23348	29712	1.37%	0.114%
52	11.092	1527	1530	1534	rBV	18436	25365	1.17%	0.097%
53	11.169	1539	1543	1547	rVB	47176	62687	2.90%	0.241%
54	11.251	1554	1557	1559	rBV	45245	55473	2.56%	0.213%
55	11.280	1559	1562	1568	rVB2	64415	91642	4.23%	0.352%
56	11.398	1577	1582	1592	rBV	422973	612268	28.29%	2.352%
57	11.680	1627	1630	1634	rVB	32028	38238	1.77%	0.147%
58	11.922	1666	1671	1679	rBV	289168	448778	20.73%	1.724%
59	12.086	1697	1699	1704	rVB	28900	31568	1.46%	0.121%
60	12.339	1738	1742	1746	rBV2	151775	197100	9.11%	0.757%
61	12.480	1763	1766	1769	rVB	41389	49744	2.30%	0.191%
62	12.616	1786	1789	1791	rBV	37662	49976	2.31%	0.192%
63	12.651	1791	1795	1800	rVV	518324	649806	30.02%	2.496%
64	12.704	1801	1804	1811	rVV2	54879	93734	4.33%	0.360%
65	12.851	1825	1829	1835	rVB2	87489	113753	5.26%	0.437%
66	12.980	1846	1851	1859	rVB	1276840	1721071	79.52%	6.612%
67	13.121	1871	1875	1880	rBV	96086	115721	5.35%	0.445%
68	13.204	1886	1889	1893	rBV	124605	147759	6.83%	0.568%
69	13.551	1944	1948	1954	rVB	193529	253581	11.72%	0.974%
70	13.845	1994	1998	2001	rBV	267997	370638	17.12%	1.424%
71	13.880	2001	2004	2017	rVB	321510	463409	21.41%	1.780%
72	14.016	2023	2027	2029	rBV	176422	227597	10.52%	0.874%
73	14.045	2029	2032	2041	rVB	310218	423942	19.59%	1.629%
74	14.174	2050	2054	2055	rBV	187409	220706	10.20%	0.848%
75	14.204	2055	2059	2064	rVB2	303234	584893	27.02%	2.247%
76	14.504	2106	2110	2116	rBV	280368	400426	18.50%	1.538%

Sample Results: **BF140588.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.815	2159	2163	2171	rVV	243007	334725	15.47%	1.286%
78	14.892	2172	2176	2184	rVB	148552	208058	9.61%	0.799%
79	15.157	2217	2221	2230	rBV	238936	341342	15.77%	1.311%
80	15.539	2281	2286	2300	rVB2	317814	563306	26.03%	2.164%
81	15.986	2358	2362	2368	rVB	118924	194460	8.98%	0.747%
82	16.239	2399	2405	2420	rBV3	511092	1311580	60.60%	5.039%
83	16.451	2434	2441	2447	rBV	756138	1480223	68.39%	5.687%
84	17.192	2563	2567	2572	rBV5	37344	62319	2.88%	0.239%
85	17.386	2594	2600	2616	rVB6	75250	264528	12.22%	1.016%
86	17.656	2639	2646	2657	rVB2	136288	363478	16.79%	1.396%

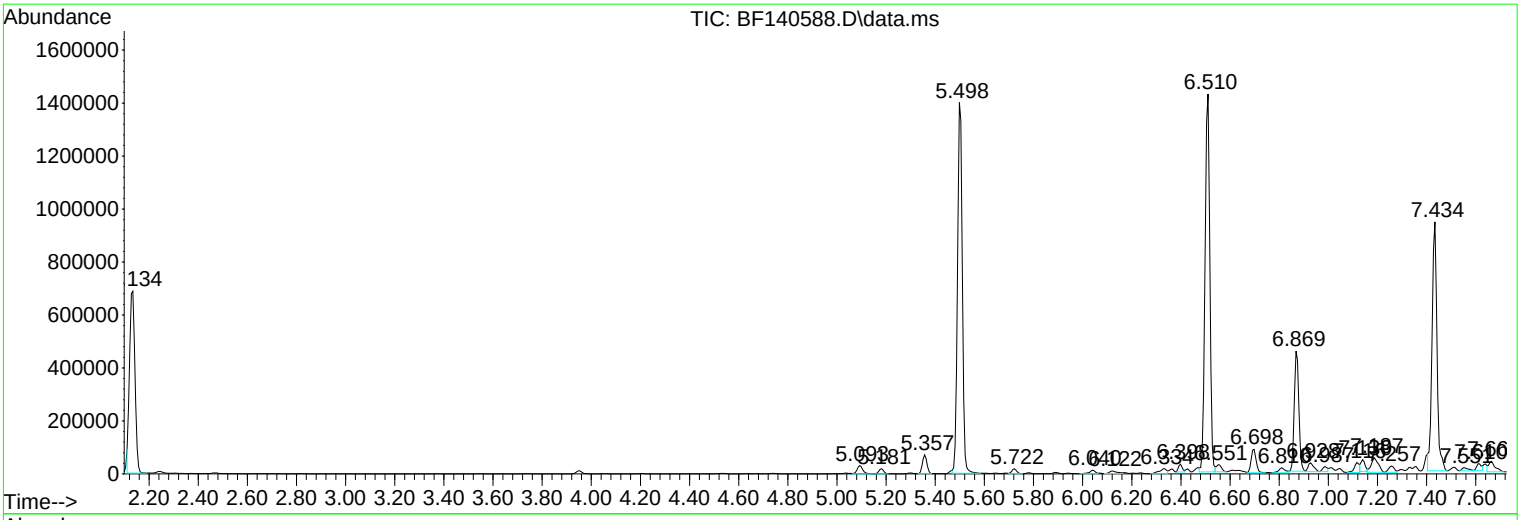
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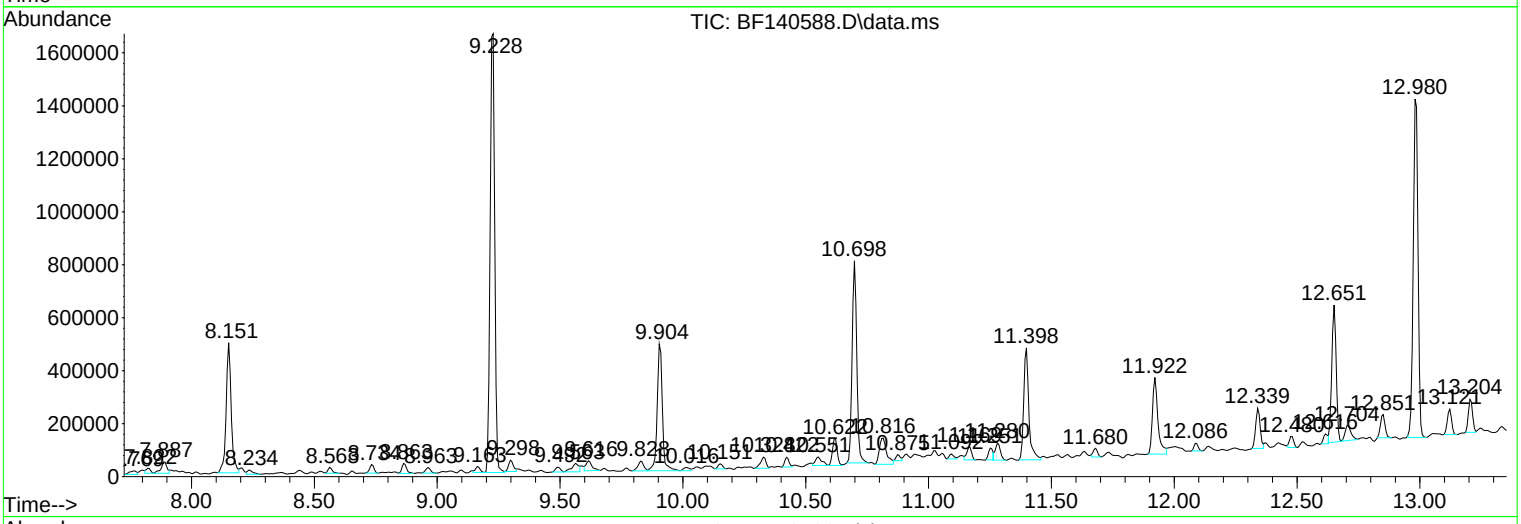
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

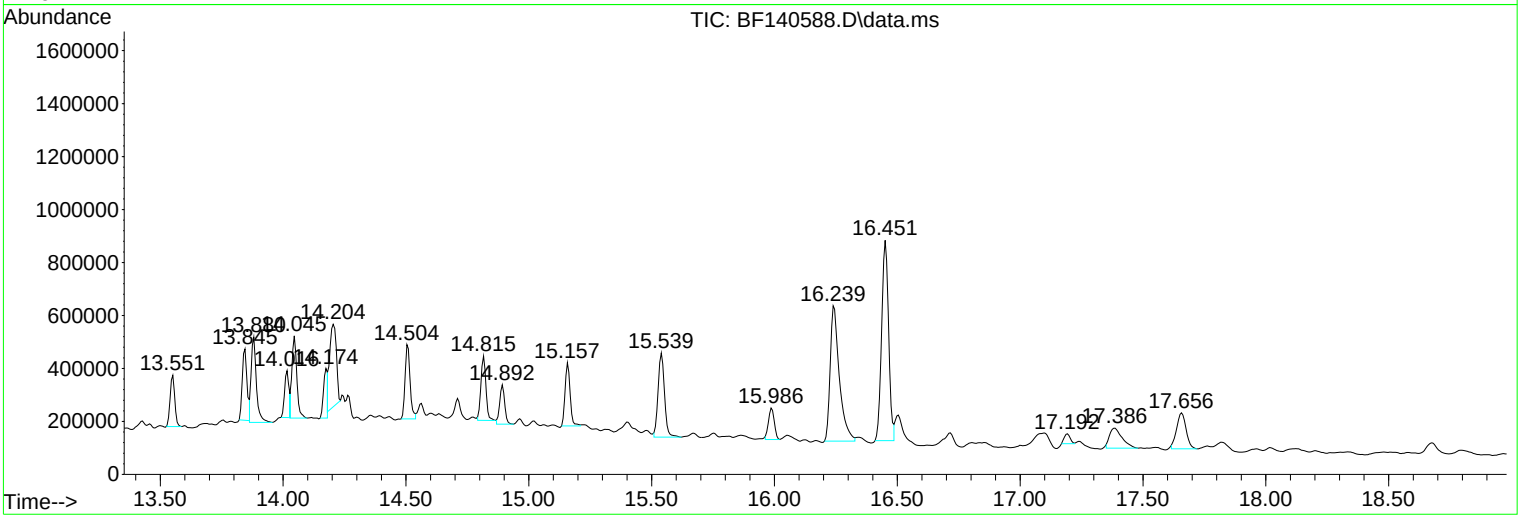
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

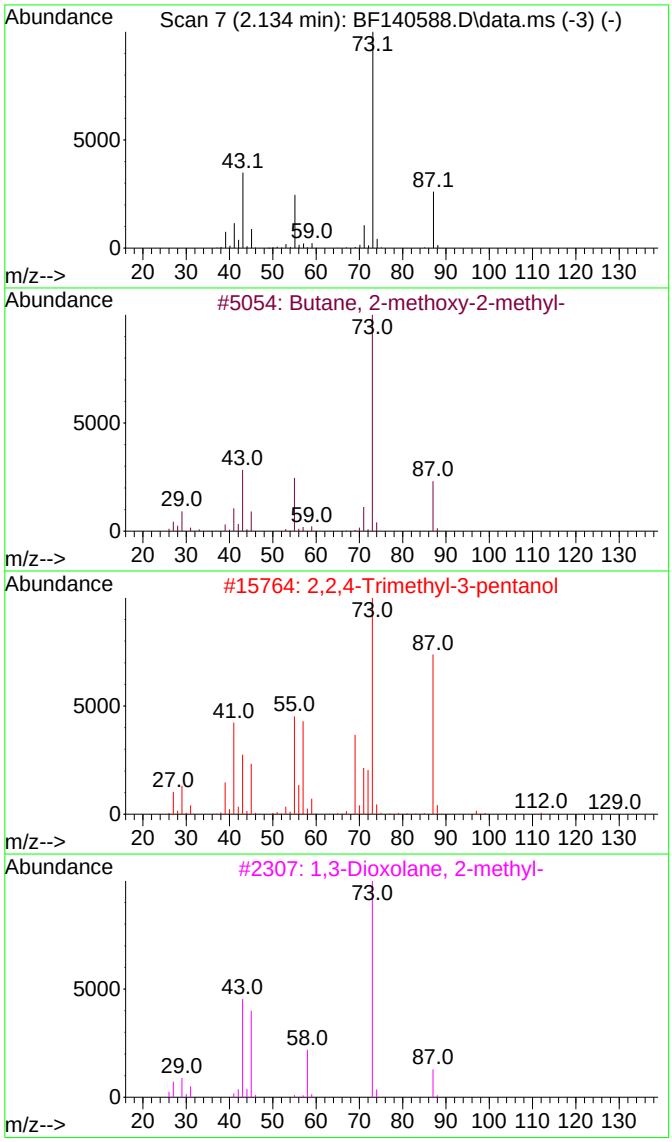
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

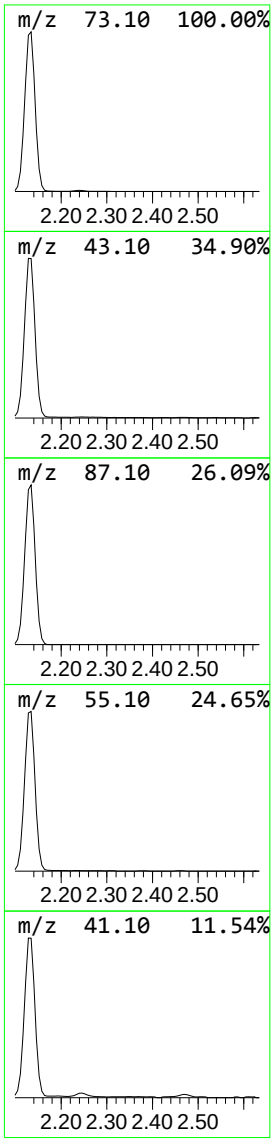
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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.134	35.92 ng	1055280	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

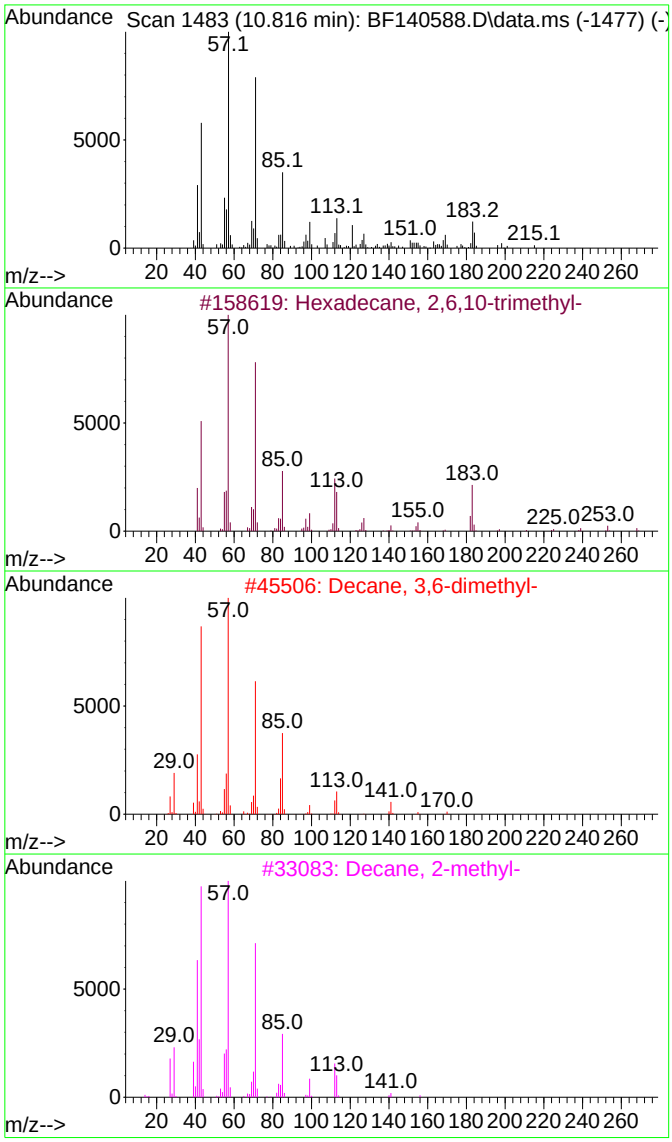
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TIC Integration Parameters: LSCINT.P

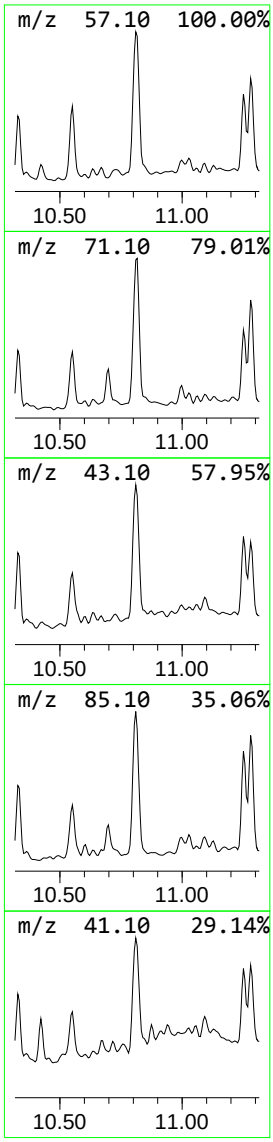
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Peak Number 2 Hexadecane, 2,6,10-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.816	6.70 ng	205213	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	86
2	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	81
3	Decane, 2-methyl-	156	C11H24	006975-98-0	74
4	Heptacosane	380	C27H56	000593-49-7	74
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On    : 22 Nov 2024  19:53
Operator  : RC/JU
Sample    : P4860-02
Misc      :
ALS Vial  : 26   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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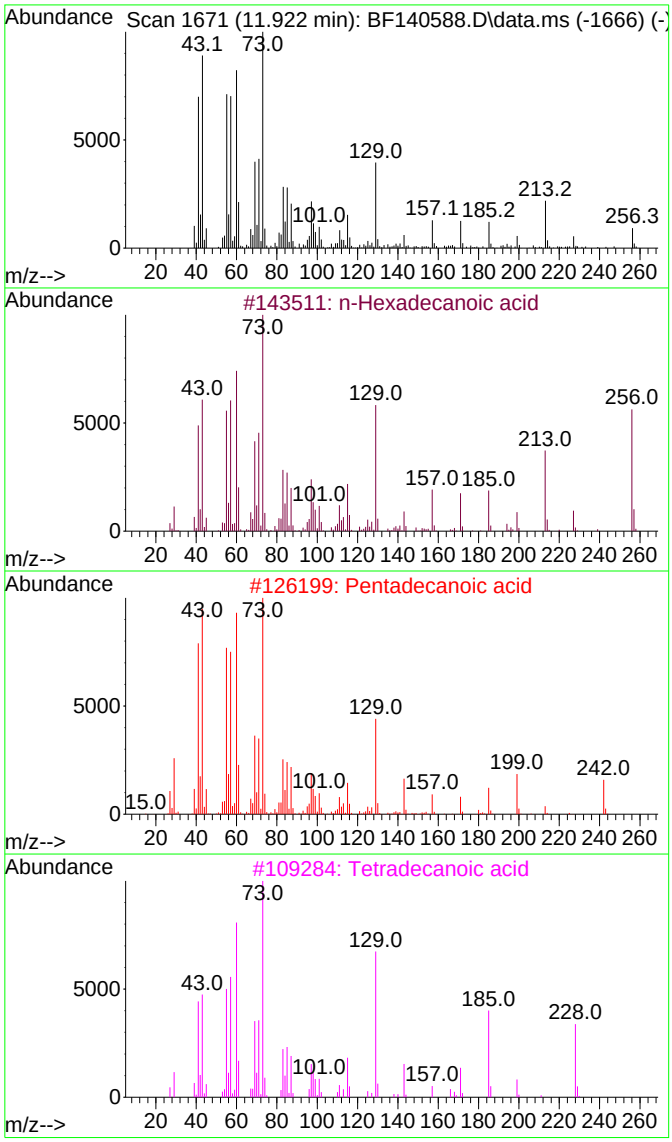
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

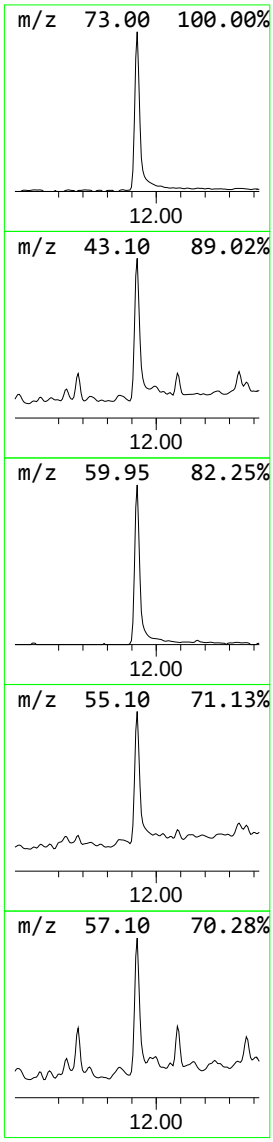
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	14.66 ng	448778	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Tridecanoic acid	214	C13H26O2	000638-53-9	86
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

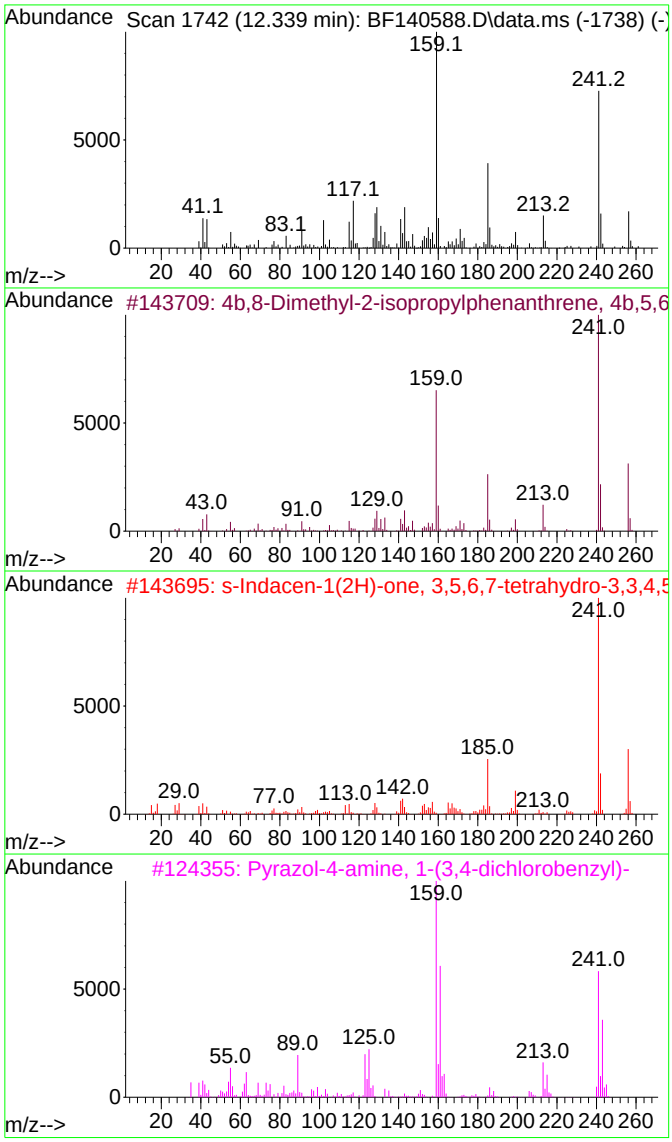
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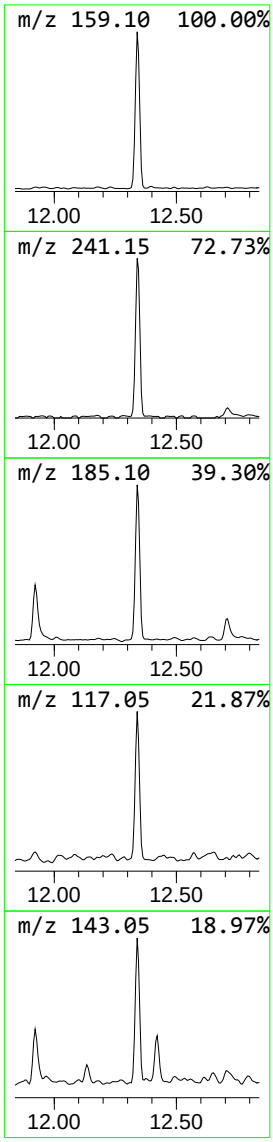
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Peak Number 4 4b,8-Dimethyl-2-isopropylph... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	6.44 ng	197100	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	97
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	68
3	Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	52
4	Isoxazole, 5-methyl-4-phenyl-	159	C10H9NO	023253-49-8	38
5	2-(4-(2-Methylallyl)phenyl)propa...	203	C13H17NO	1000466-10-0	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

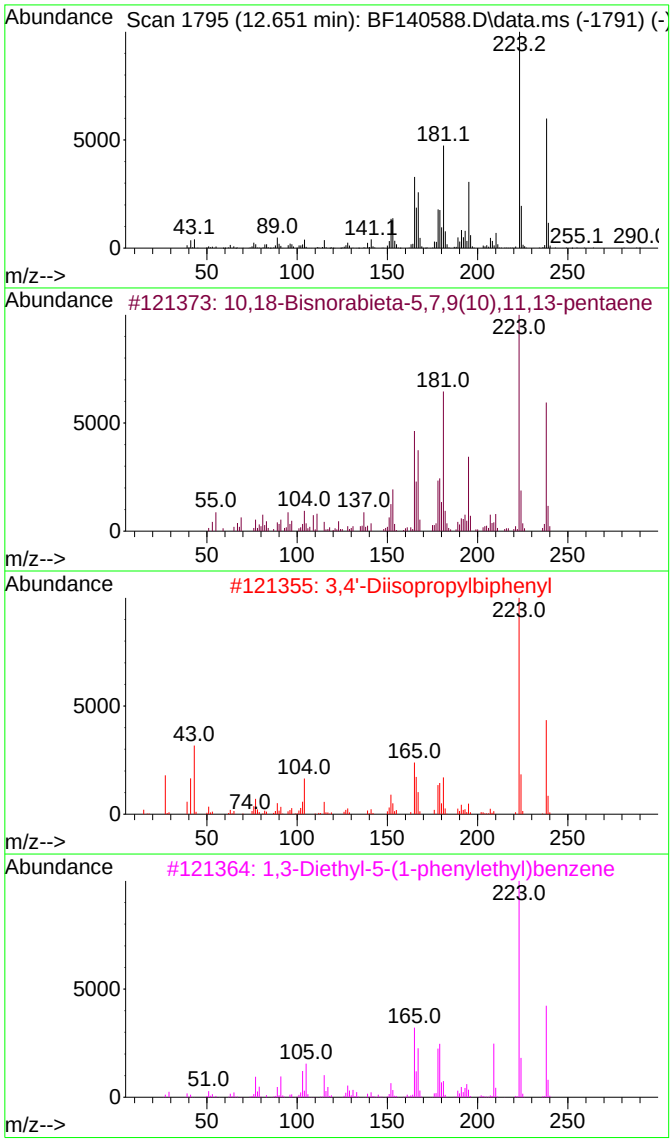
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

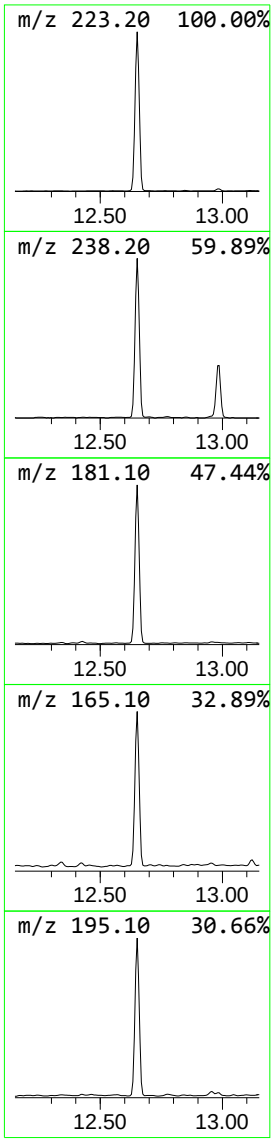
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Peak Number 5 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.651	21.23 ng	649806	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	89
3	1,3-Diethyl-5-(1-phenylethyl)ben...	238	C18H22	1000482-32-6	76
4	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	62
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PH2-BOT-001

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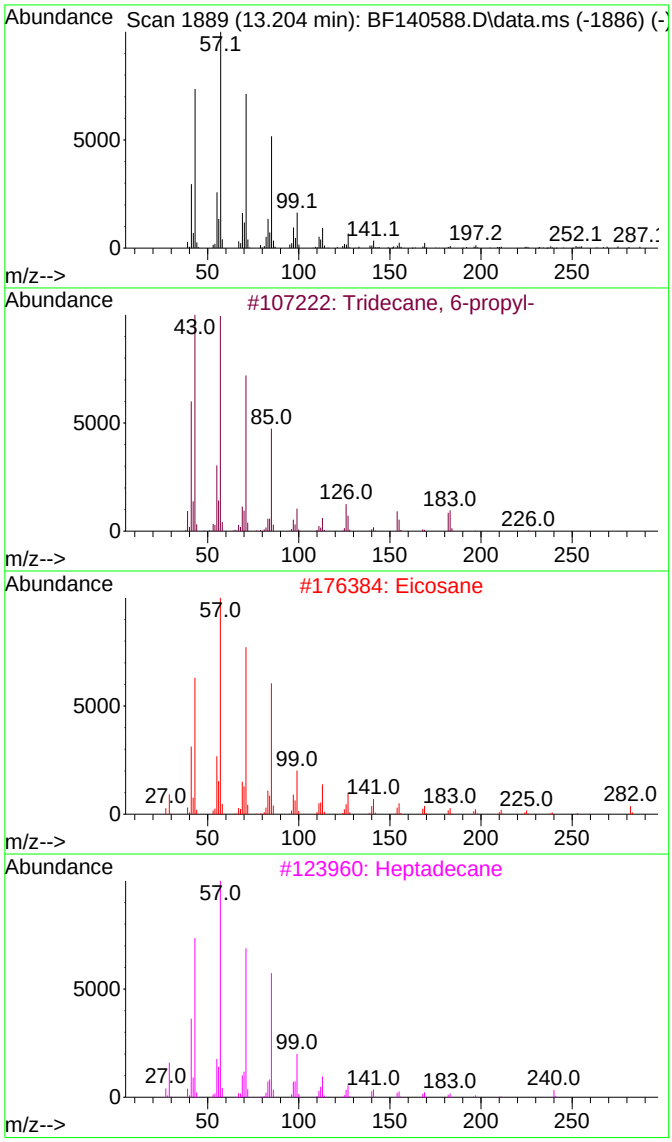
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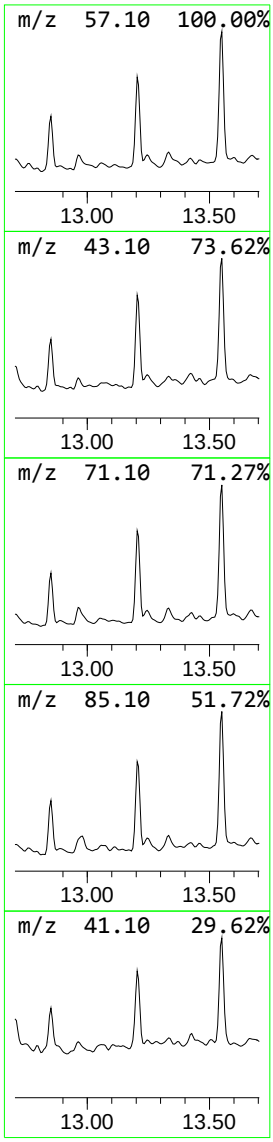
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Peak Number 6 Tridecane, 6-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	6.97 ng	147759	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	91
2	Eicosane	282	C20H42	000112-95-8	91
3	Heptadecane	240	C17H36	000629-78-7	91
4	Octadecane	254	C18H38	000593-45-3	91
5	Octacosane	394	C28H58	000630-02-4	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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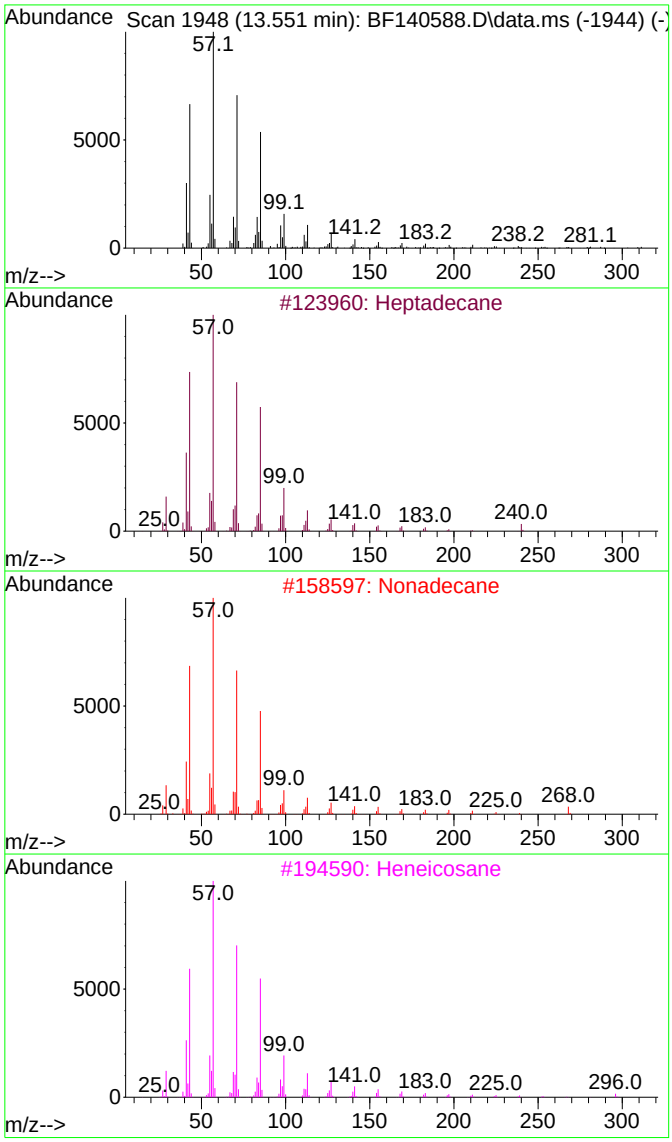
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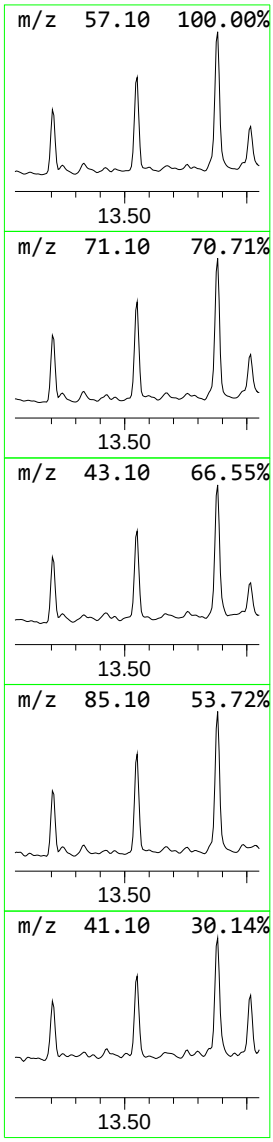
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Peak Number 7 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.551	11.96 ng	253581	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Nonadecane	268	C19H40	000629-92-5	94
3	Heneicosane	296	C21H44	000629-94-7	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Docosane, 1-iodo-	436	C22H45I	1000406-31-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
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Operator : RC/JU
Sample : P4860-02
Misc :
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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

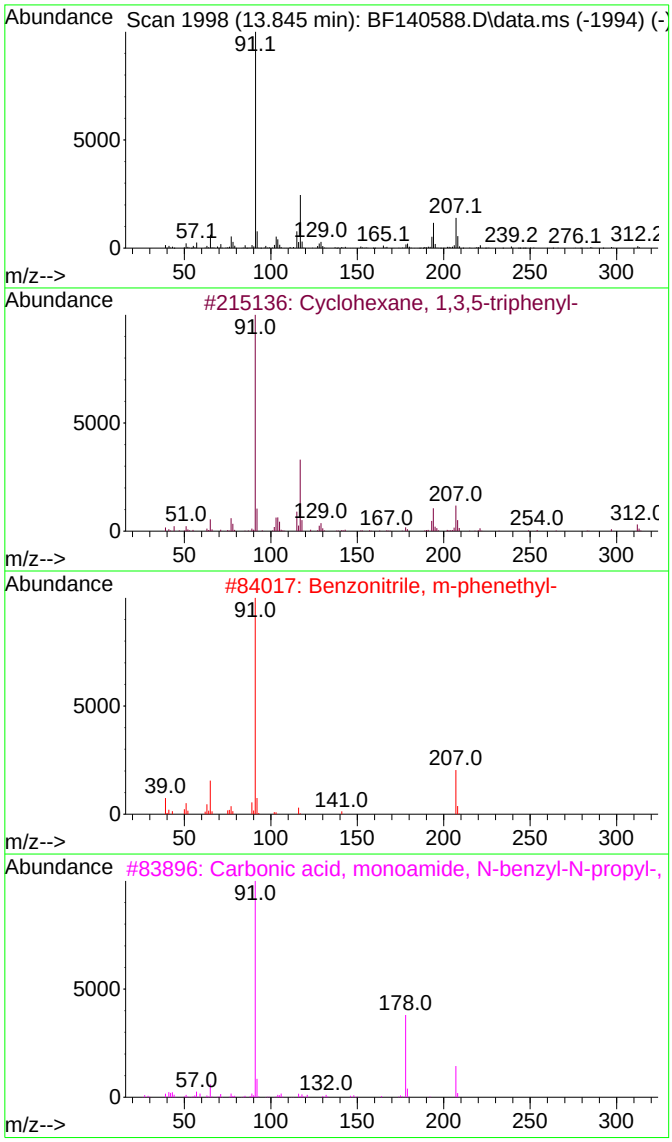
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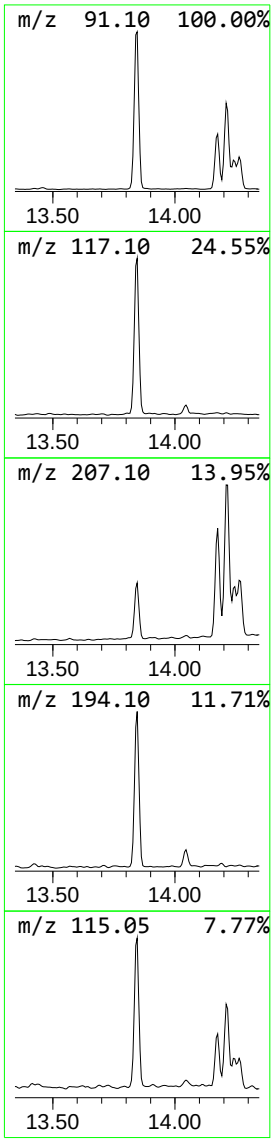
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Peak Number 8 Cyclohexane, 1,3,5-triphenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.845	17.49 ng	370638	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-triphenyl-	312	C24H24	028336-57-4	83
2	Benzonitrile, m-phenethyl-	207	C15H13N	034176-91-5	25
3	Carbonic acid, monoamide, N-benz...	207	C12H17NO2	1000451-48-5	16
4	(R)-(1-Cyclopentylpropane-1,3-di...	264	C20H24	1402851-74-4	16
5	Isoxazole, 5-chloro-4-(2-phenyle...	207	C11H10ClNO	1000362-09-0	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
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Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

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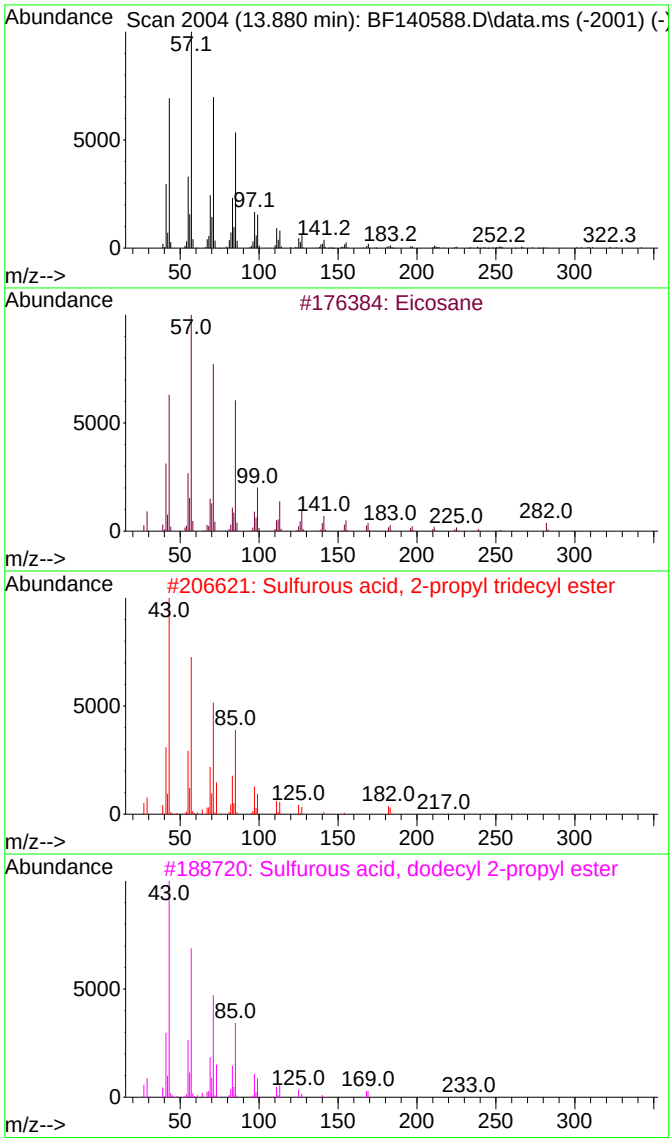
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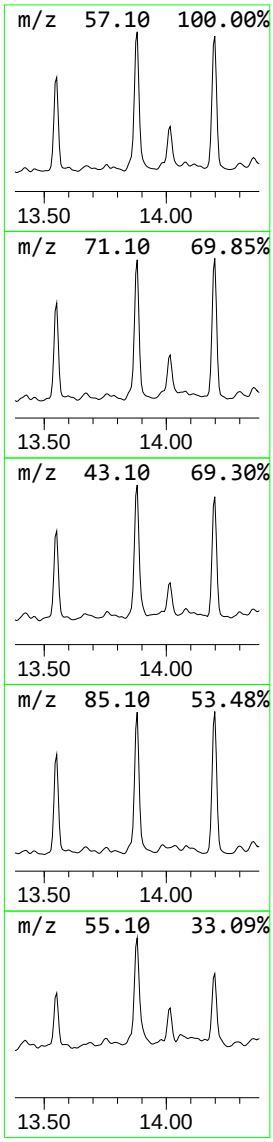
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Peak Number 9 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	21.86 ng	463409	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	91
3	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	91
4	Hexacosane	366	C26H54	000630-01-3	87
5	Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
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Sample : P4860-02
Misc :
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Instrument :
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ClientSampleId :
PH2-BOT-001

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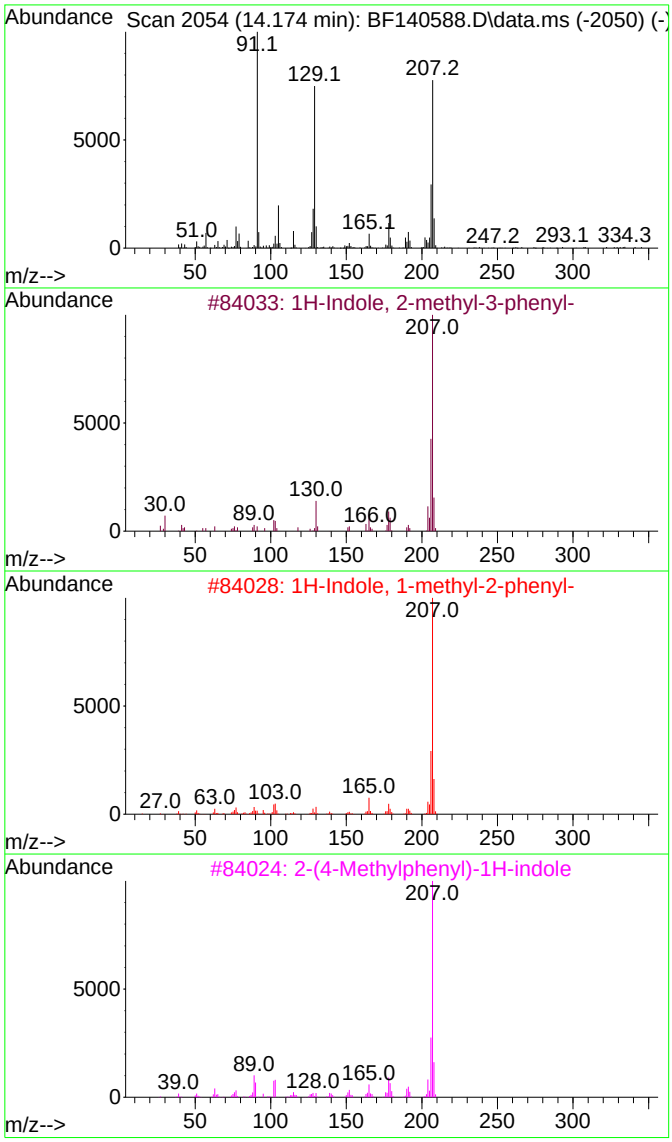
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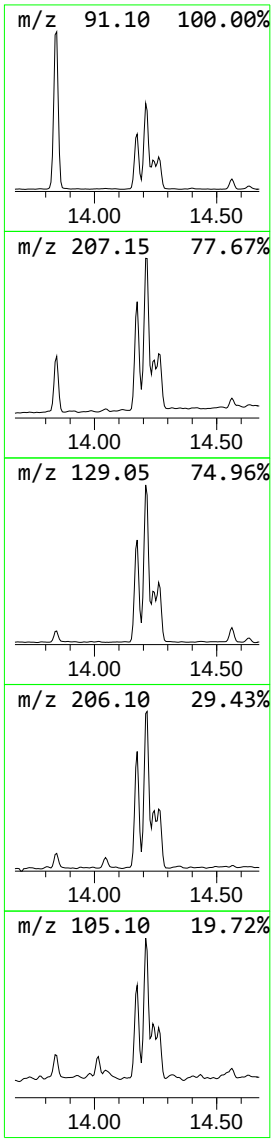
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Peak Number 10 1H-Indole, 2-methyl-3-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.174	10.41 ng	220706	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	50
2	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	46
3	2-(4-Methylphenyl)-1H-indole	207	C15H13N	055577-25-8	46
4	7-Methyl -2-phenyl-1H-indole	207	C15H13N	059541-82-1	43
5	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
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Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
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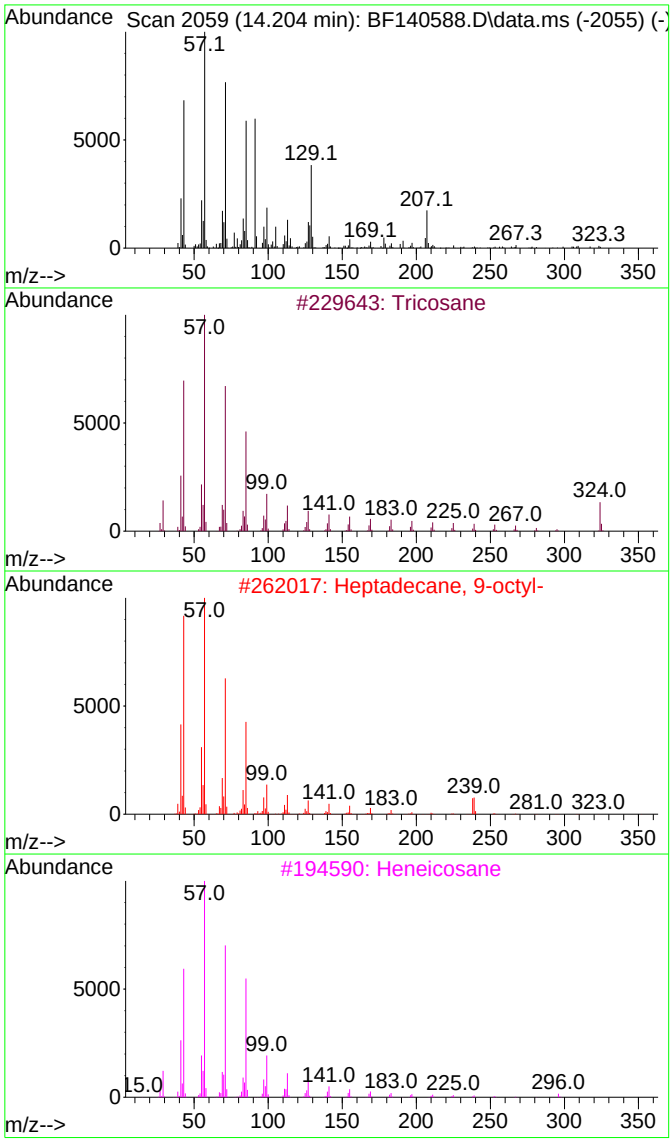
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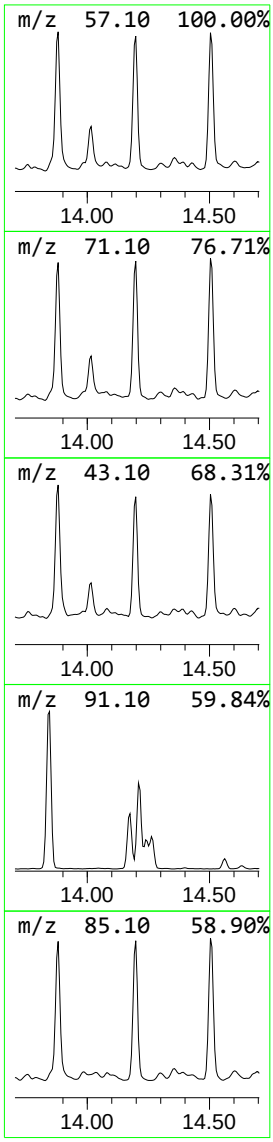
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Peak Number 11 Tricosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.204	27.59 ng	584893	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	91
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	70
3	Heneicosane	296	C21H44	000629-94-7	70
4	Hexacosane	366	C26H54	000630-01-3	64
5	Eicosane, 1-iodo-	408	C20H41I	1000406-31-8	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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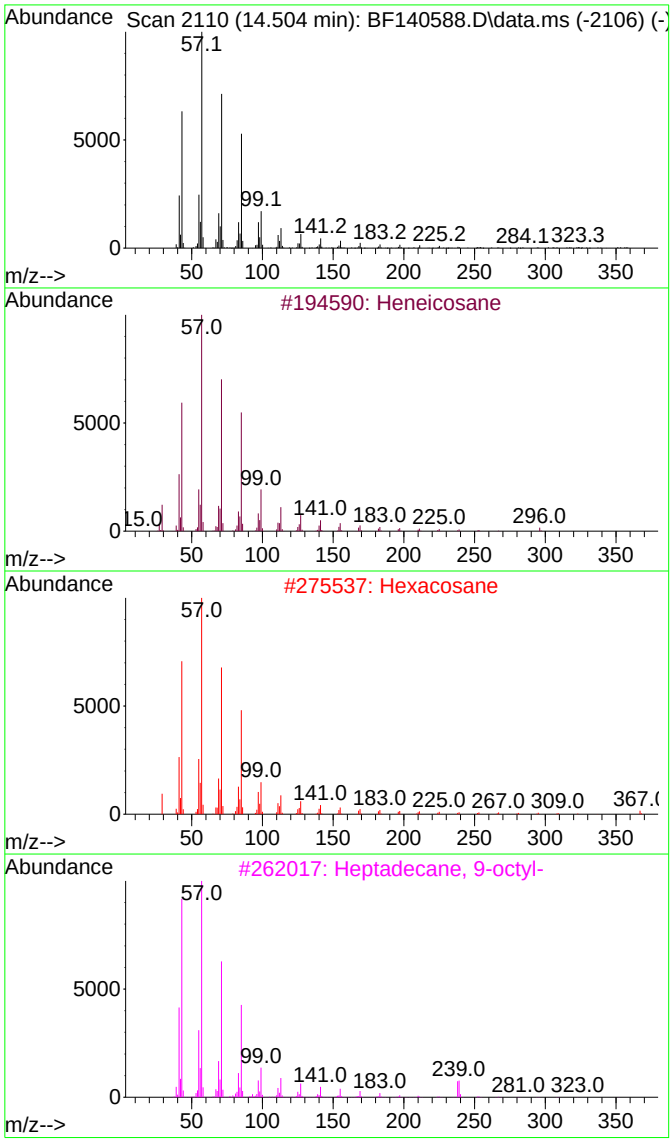
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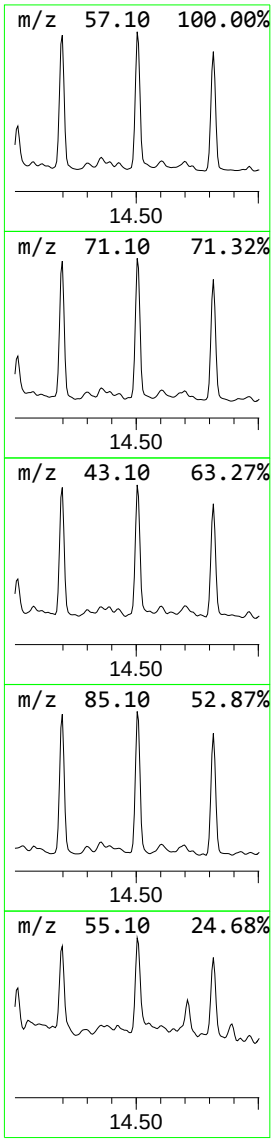
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Peak Number 12 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.504	18.89 ng	400426	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
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Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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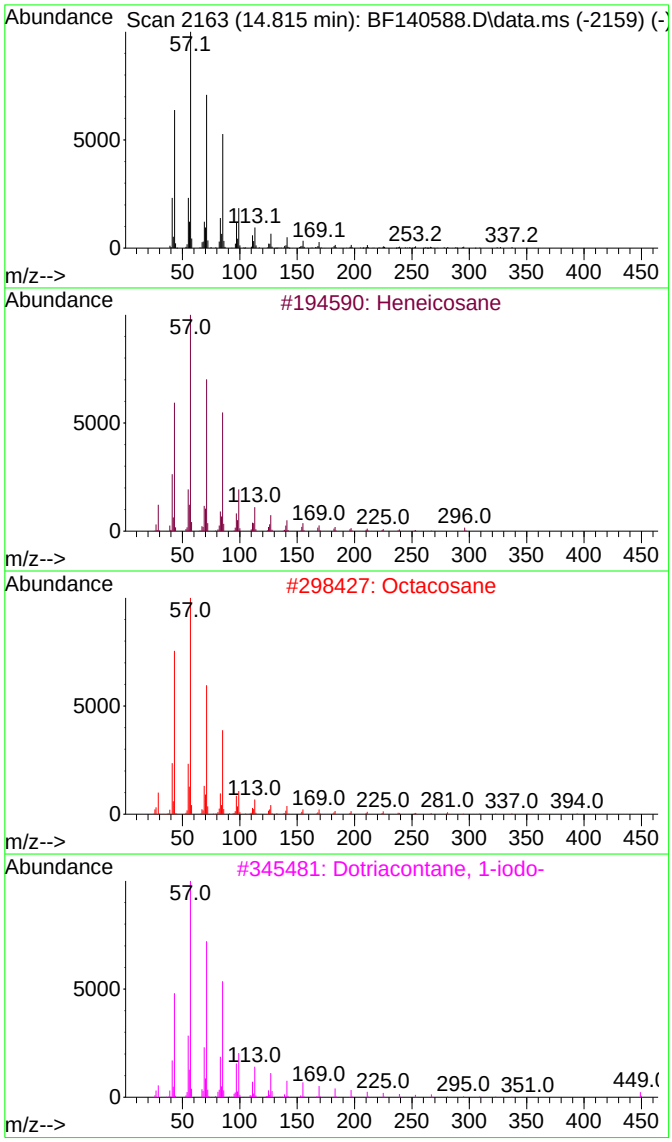
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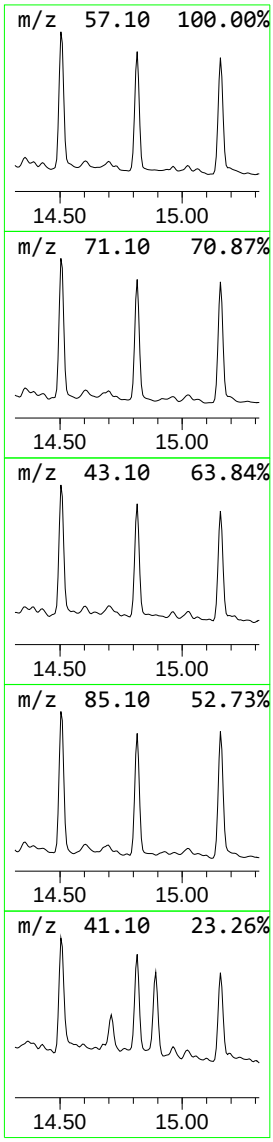
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Peak Number 13 Octacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.816	11.88 ng	334725	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91
4	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5	Hexacosane	366	C26H54	000630-01-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
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Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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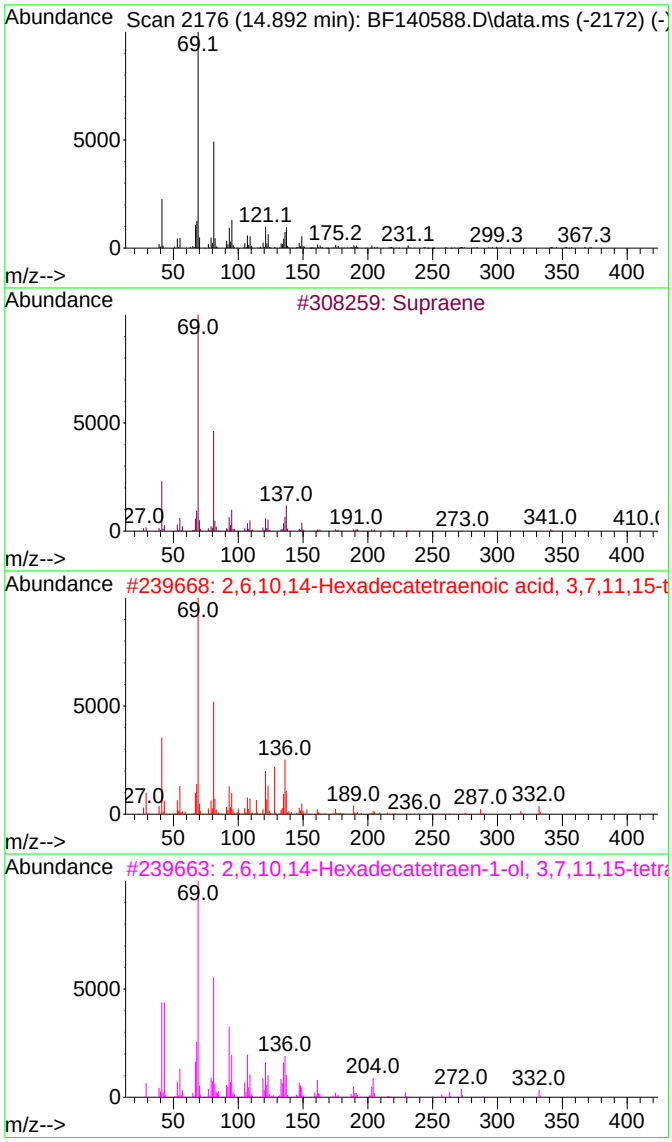
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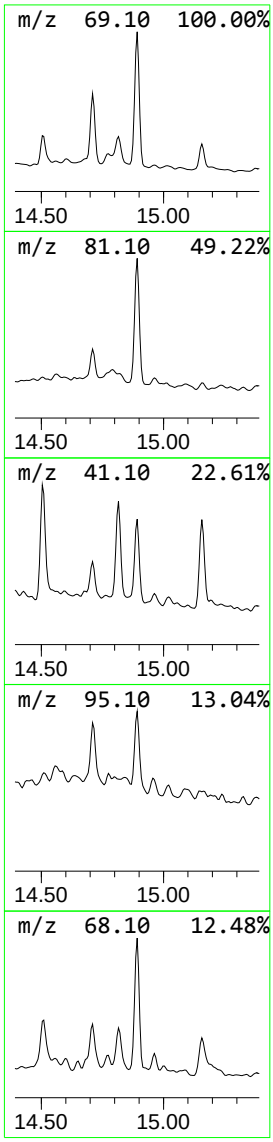
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Peak Number 14 Supraene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.892	7.39 ng	208058	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	91
2	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	78
3	2,6,10,14-Hexadecatetraen-1-ol, ...	332	C22H36O2	061691-98-3	72
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
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Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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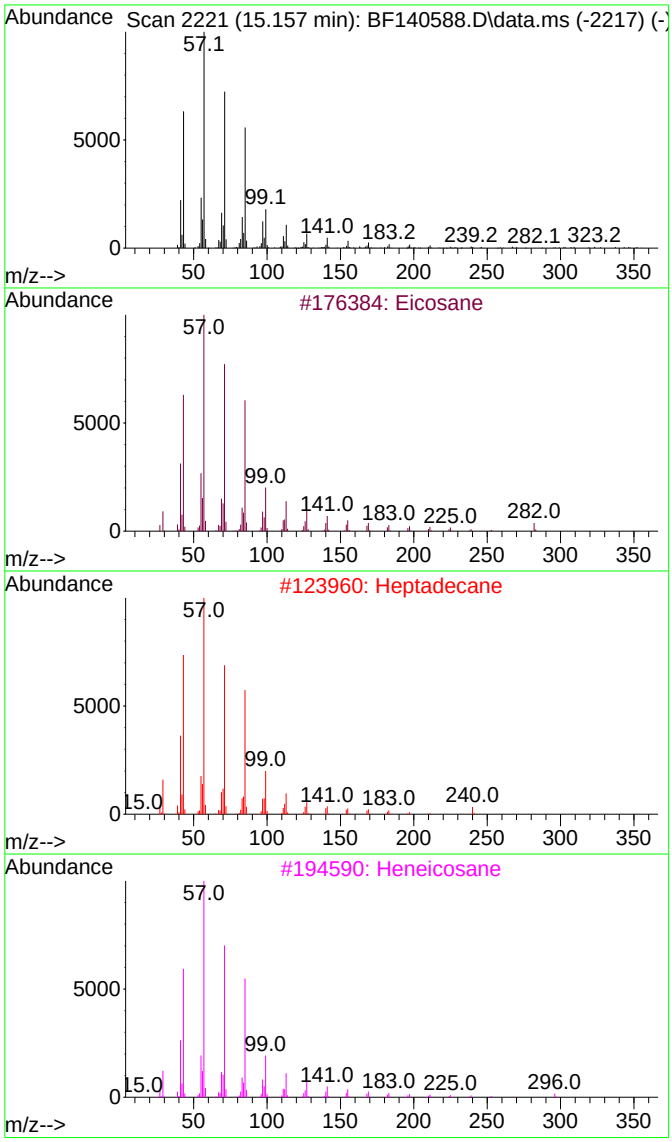
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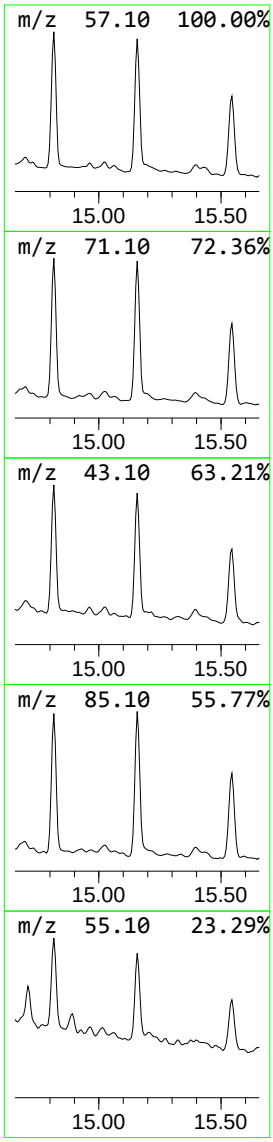
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Peak Number 15 Heneicosane, 11-(1-ethylpro... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.157	12.12 ng	341342	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Heptadecane	240	C17H36	000629-78-7	94
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
5	Heptacosane	380	C27H56	000593-49-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
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Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId :
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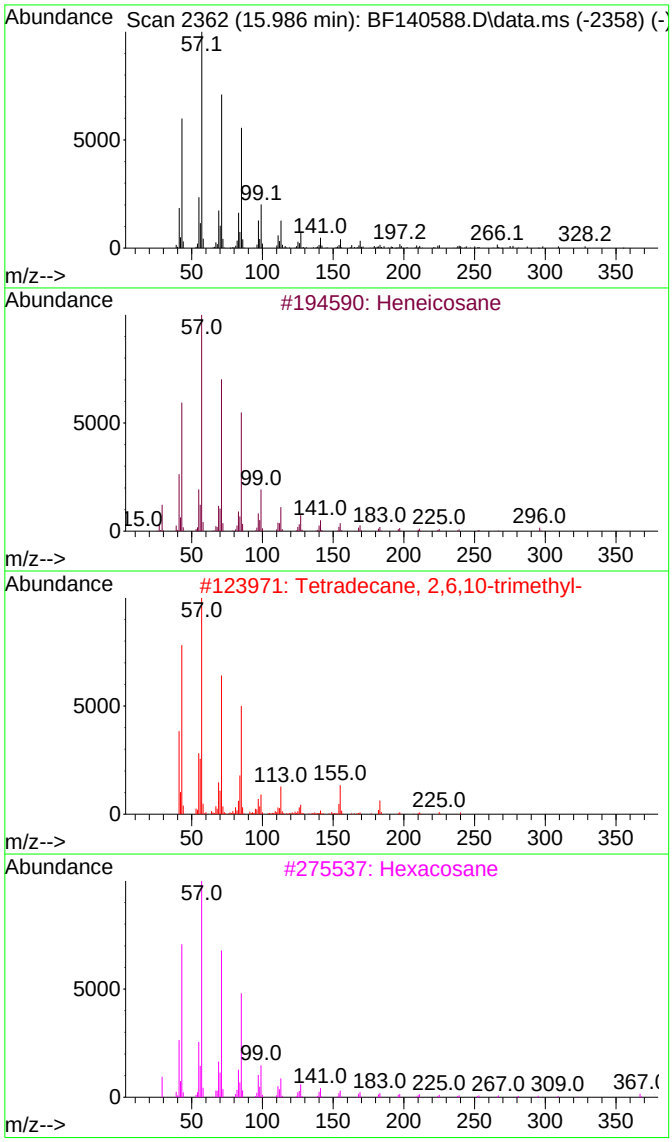
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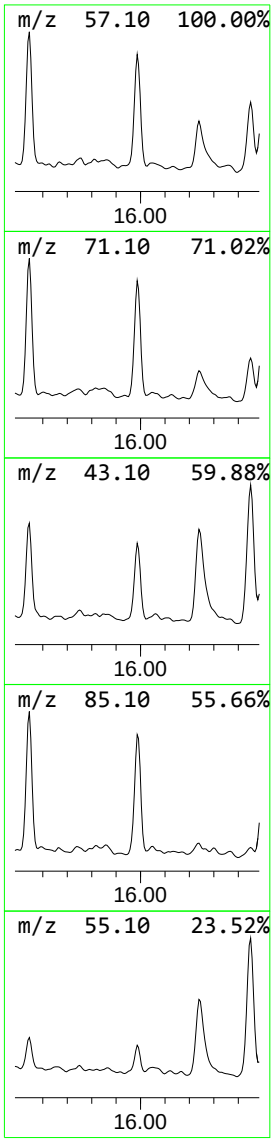
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Peak Number 16 Tetradecane, 2,6,10-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.986	6.90 ng	194460	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	90
3	Hexacosane	366	C26H54	000630-01-3	87
4	Eicosane, 1-iodo-	408	C20H41I	1000406-31-8	87
5	Docosane, 1-iodo-	436	C22H45I	1000406-31-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

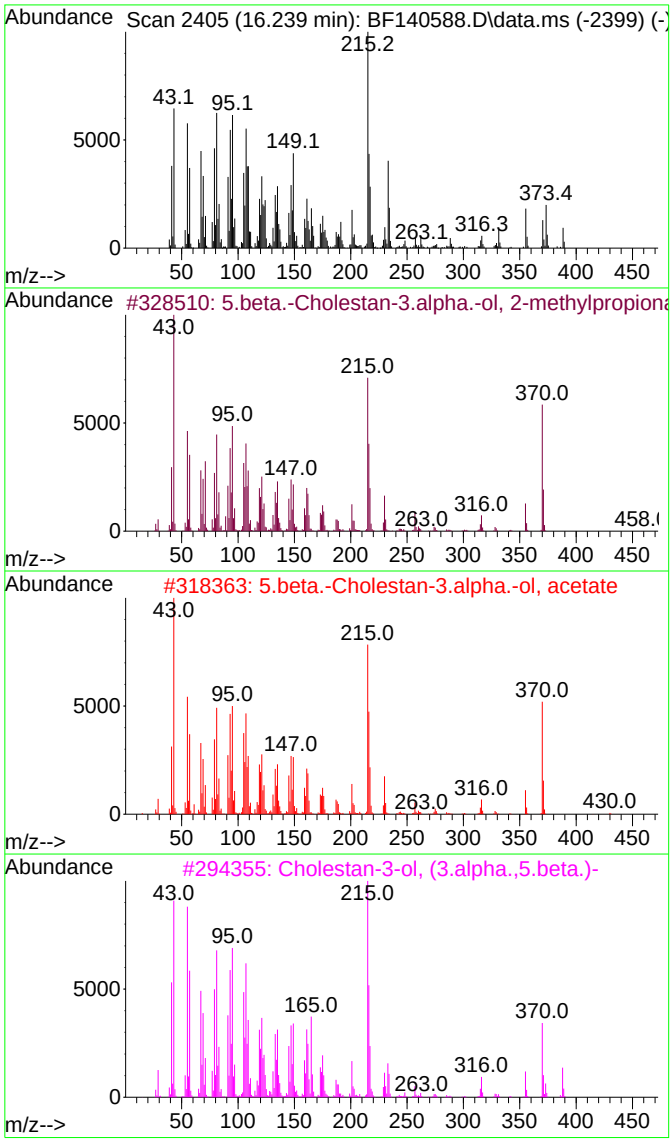
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

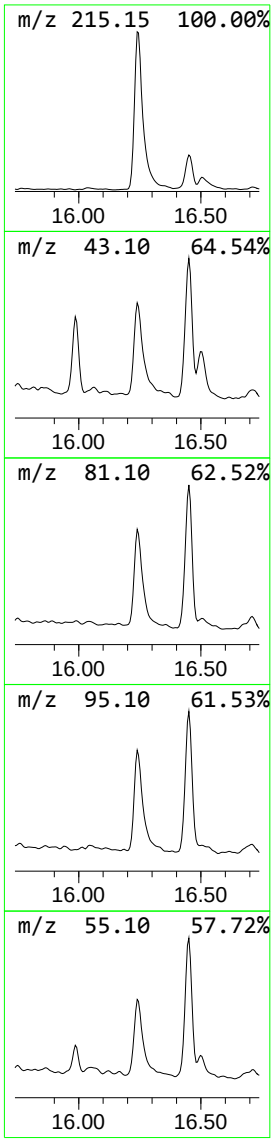
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Peak Number 17 5.beta.-Cholestan-3.alpha.-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.239	46.57 ng	1311580	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5.beta.-Cholestan-3.alpha.-ol, 2...	458	C31H54O2	1000514-95-7	70
2	5.beta.-Cholestan-3.alpha.-ol, a...	430	C29H50O2	033157-47-0	58
3	Cholestan-3-ol, (3.alpha.,5.beta.)-	388	C27H48O	000516-92-7	53
4	Cholestan-3-ol	388	C27H48O	027409-41-2	47
5	Cholestanol	388	C27H48O	000080-97-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

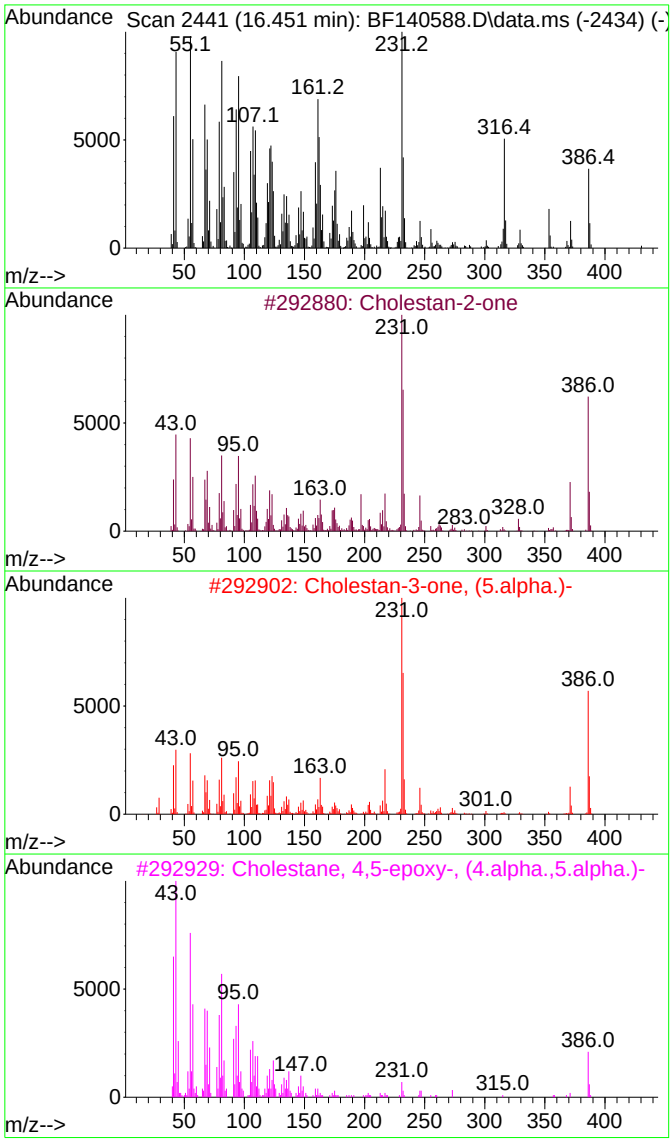
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TIC Integration Parameters: LSCINT.P

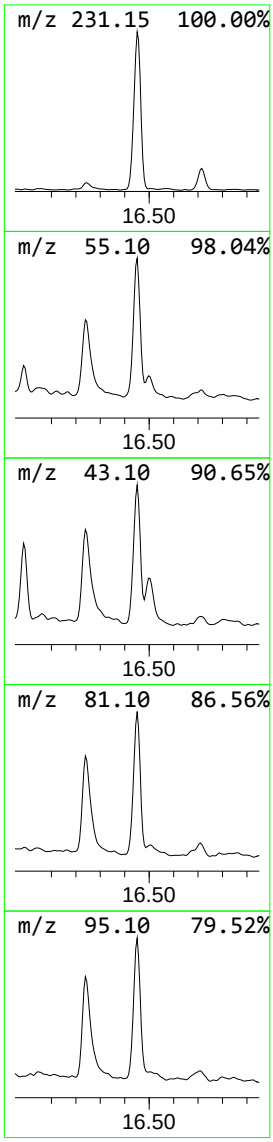
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Peak Number 18 Cholestan-2-one Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.451	52.55 ng	1480220	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestan-2-one	386	C27H46O	1010210-43-4	95
2	Cholestan-3-one, (5.alpha.)-	386	C27H46O	000566-88-1	59
3	Cholestane, 4,5-epoxy-, (4.alpha...	386	C27H46O	006079-19-2	53
4	Cholestan-3-one	386	C27H46O	015600-08-5	51
5	5.beta.-Cholan-24-oic acid, 3-oxo-	374	C24H38O3	001553-56-6	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

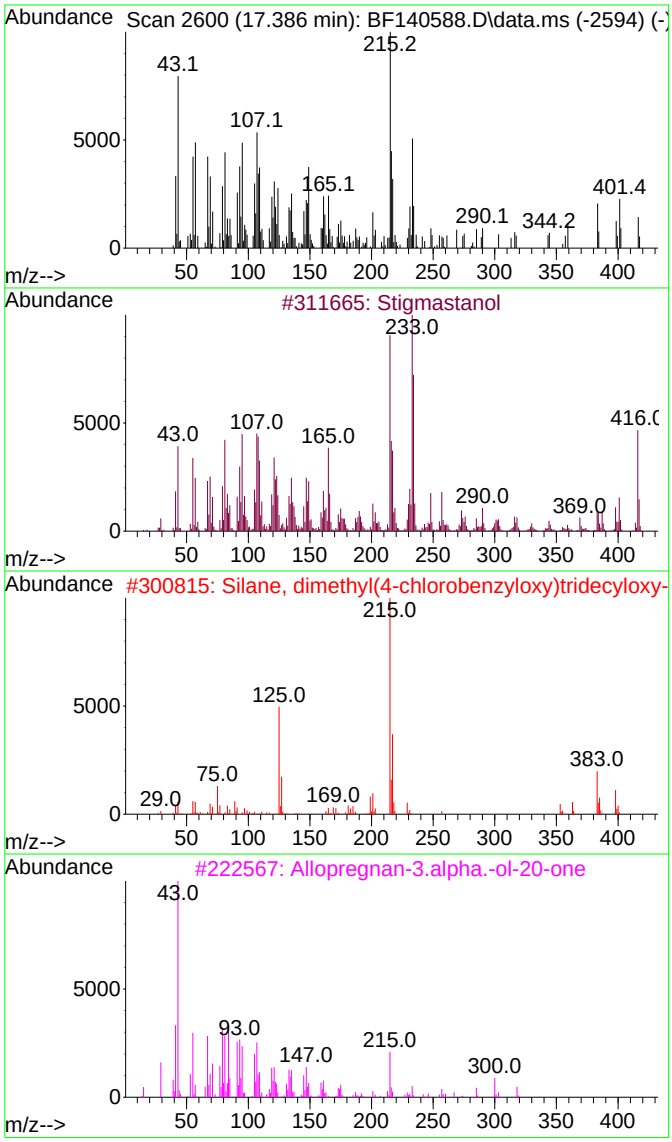
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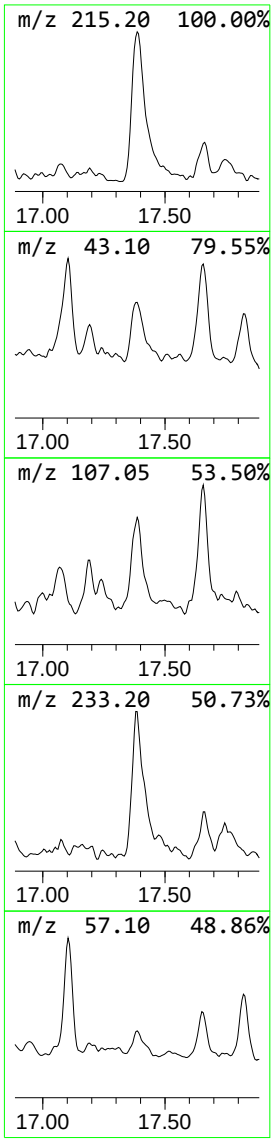
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Peak Number 19 Stigmastanol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.386	9.39 ng	264528	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmastanol	416	C29H52O	019466-47-8	55
2	Silane, dimethyl(4-chlorobenzylo...	398	C22H39ClO2Si	1010347-00-1	38
3	Allopregnan-3.alpha.-ol-20-one	318	C21H34O2	000516-54-1	25
4	11-Azatricyclo[6.2.1.0(2,7)]unde...	215	C13H13NO2	1000306-00-6	22
5	Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

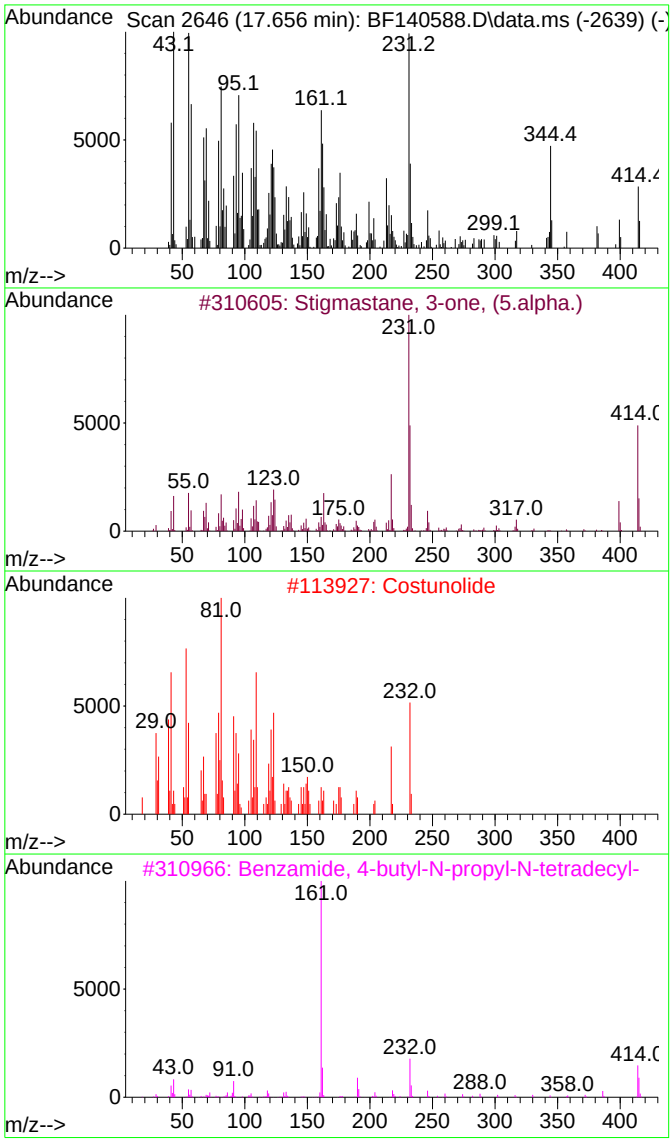
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TIC Integration Parameters: LSCINT.P

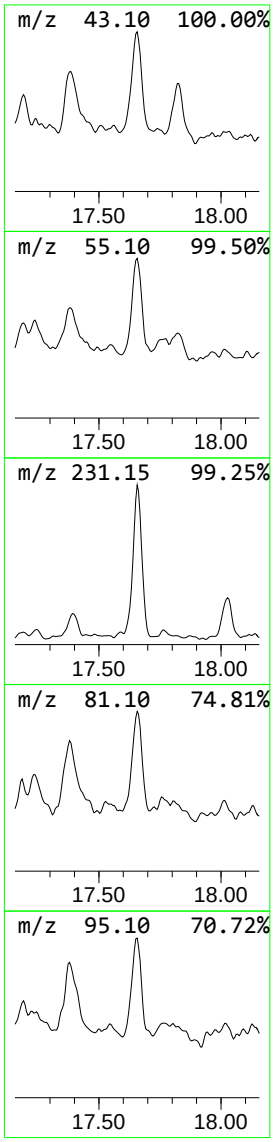
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Peak Number 20 unknown17.657 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.657	12.91 ng	363478	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmastane, 3-one, (5.alpha.)	414	C29H50O	1000437-00-8	45
2	Costunolide	232	C15H20O2	000553-21-9	44
3	Benzamide, 4-butyl-N-propyl-N-te...	415	C28H49NO	1000438-15-5	35
4	5-Methoxyquinolin-8-amine, TMS	246	C13H18N2OSi	1000514-59-5	25
5	Benzamide, 4-tert-butyl-N-propyl...	415	C28H49NO	1000438-64-6	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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...	2.134	35.9	ng	1055280	1	6.869	587590	20.0
Hexadecane, 2,6...	10.816	6.7	ng	205213	4	11.398	612268	20.0
n-Hexadecanoic ...	11.922	14.7	ng	448778	4	11.398	612268	20.0
4b,8-Dimethyl-2...	12.339	6.4	ng	197100	4	11.398	612268	20.0
10,18-Bisnorabi...	12.651	21.2	ng	649806	4	11.398	612268	20.0
Tridecane, 6-pr...	13.204	7.0	ng	147759	5	14.045	423942	20.0
Heptadecane	13.551	12.0	ng	253581	5	14.045	423942	20.0
Cyclohexane, 1,...	13.845	17.5	ng	370638	5	14.045	423942	20.0
Eicosane	13.880	21.9	ng	463409	5	14.045	423942	20.0
1H-Indole, 2-me...	14.174	10.4	ng	220706	5	14.045	423942	20.0
Tricosane	14.204	27.6	ng	584893	5	14.045	423942	20.0
Heneicosane	14.504	18.9	ng	400426	5	14.045	423942	20.0
Octacosane	14.816	11.9	ng	334725	6	15.533	563306	20.0
Supraene	14.892	7.4	ng	208058	6	15.533	563306	20.0
Heneicosane, 11...	15.157	12.1	ng	341342	6	15.533	563306	20.0
Tetradecane, 2,...	15.986	6.9	ng	194460	6	15.533	563306	20.0
5.beta.-Cholest...	16.239	46.6	ng	1311580	6	15.533	563306	20.0
Cholestan-2-one	16.451	52.5	ng	1480220	6	15.533	563306	20.0
Stigmastanol	17.386	9.4	ng	264528	6	15.533	563306	20.0
unknown17.657	17.657	12.9	ng	363478	6	15.533	563306	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Time: Nov 26 02:01:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

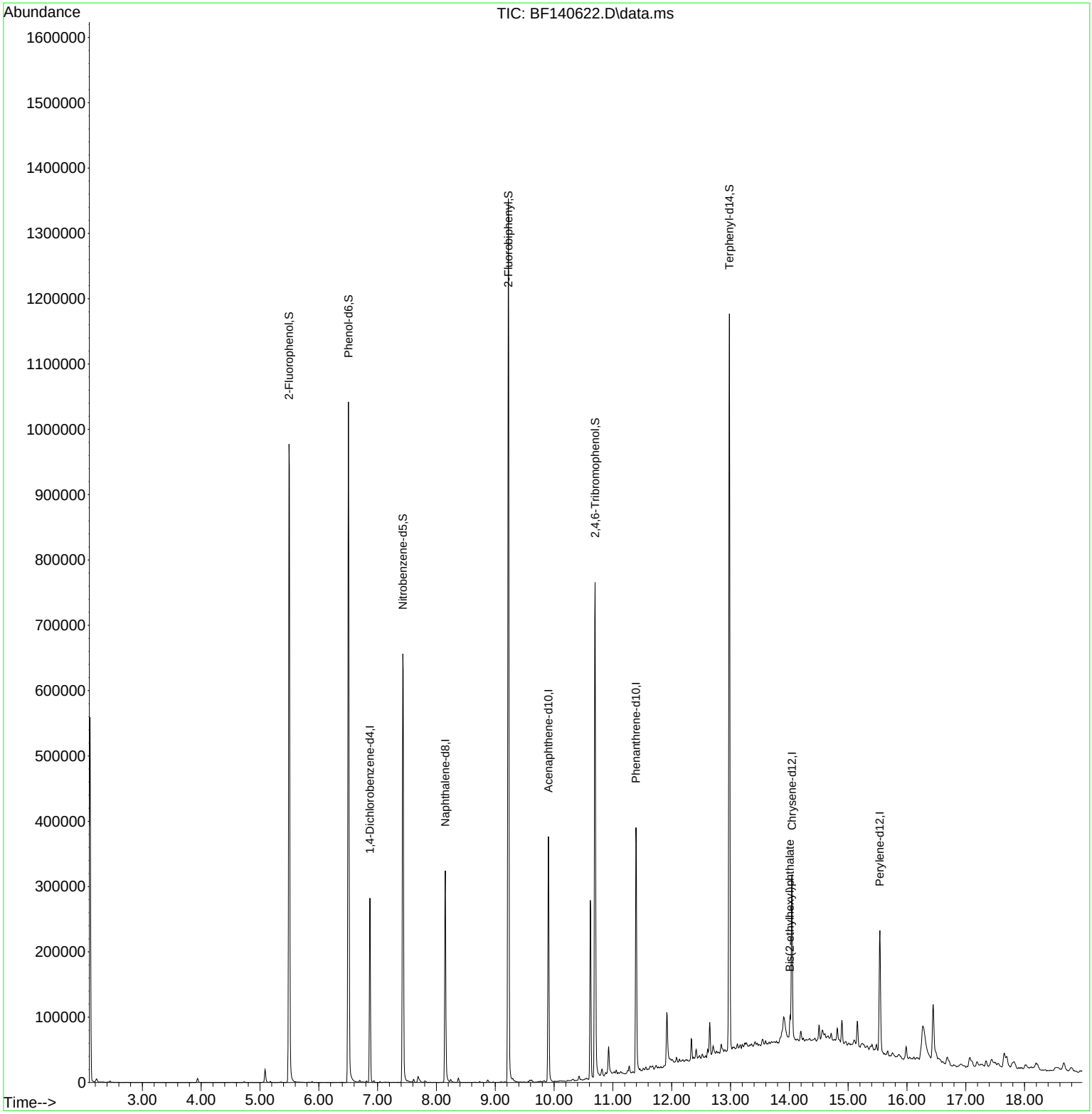
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	57850	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	212247	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	114728	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	210520	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	124009	20.000	ng	0.00
86) Perylene-d12	15.539	264	108011	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	374327	110.403	ng	0.00
7) Phenol-d6	6.504	99	483782	107.929	ng	-0.01
23) Nitrobenzene-d5	7.428	82	308203	74.275	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	133550	108.841	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	596040	77.406	ng	-0.01
79) Terphenyl-d14	12.980	244	551608	69.263	ng	-0.01
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	14.010	149	14506	2.781	ng	98

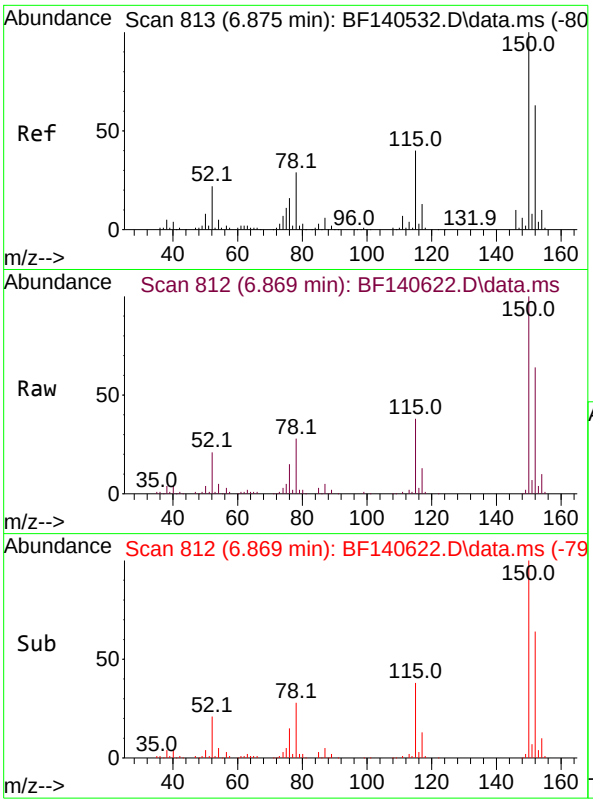
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Time: Nov 26 02:01:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



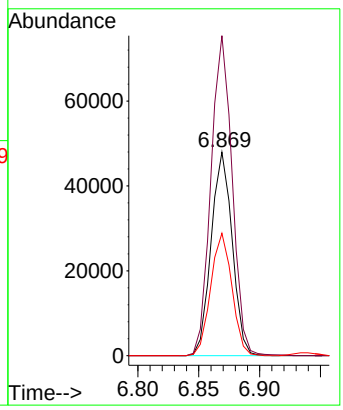


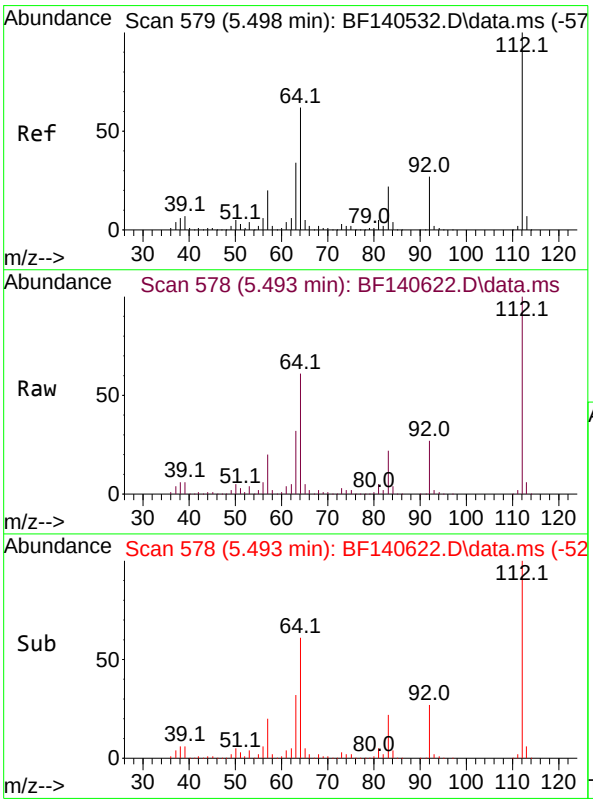
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion:152 Resp: 57850

Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.5	192.7
115	60.1	50.2	75.4

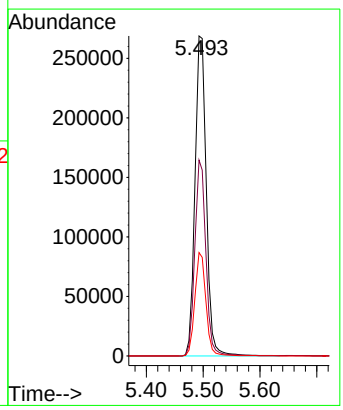


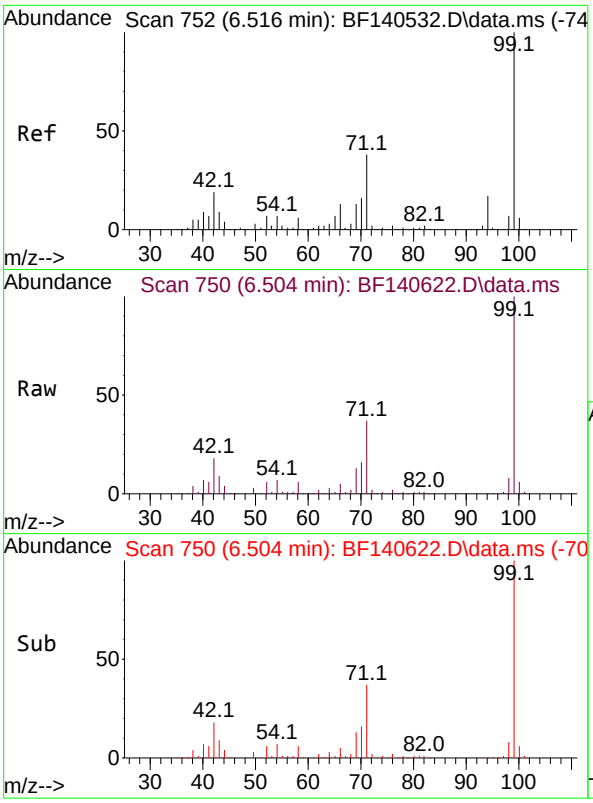


#5
2-Fluorophenol
Concen: 110.403 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Tgt Ion:112 Resp: 374327

Ion	Ratio	Lower	Upper
112	100		
64	61.2	49.2	73.8
63	32.3	27.0	40.4



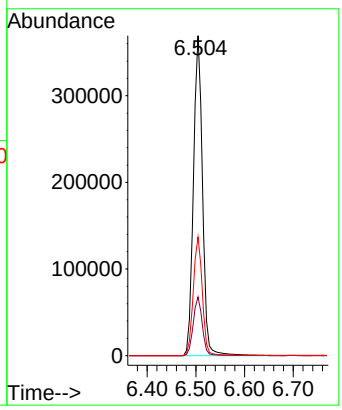


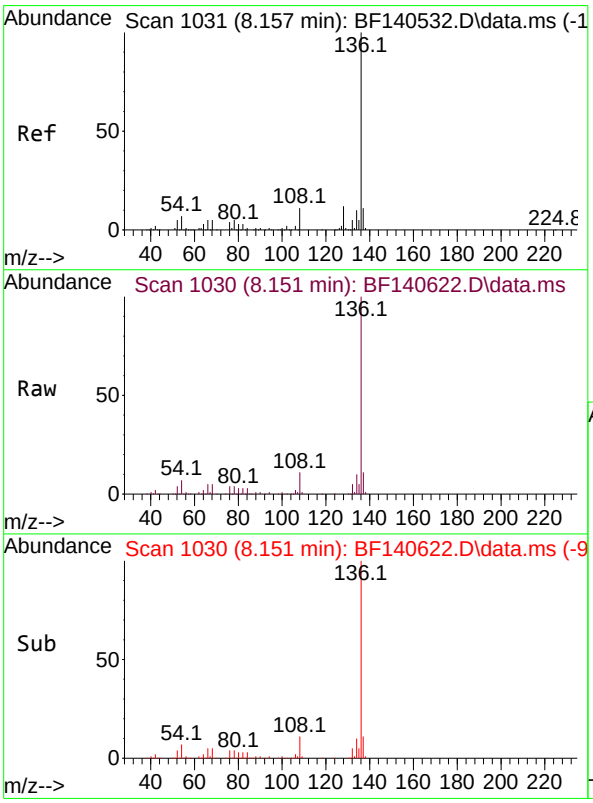
#7
Phenol-d6
Concen: 107.929 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion: 99 Resp: 483782

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.4	23.0
71	37.1	30.6	46.0

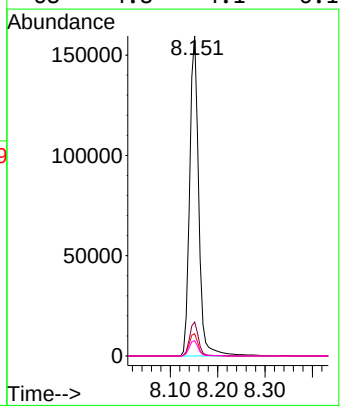


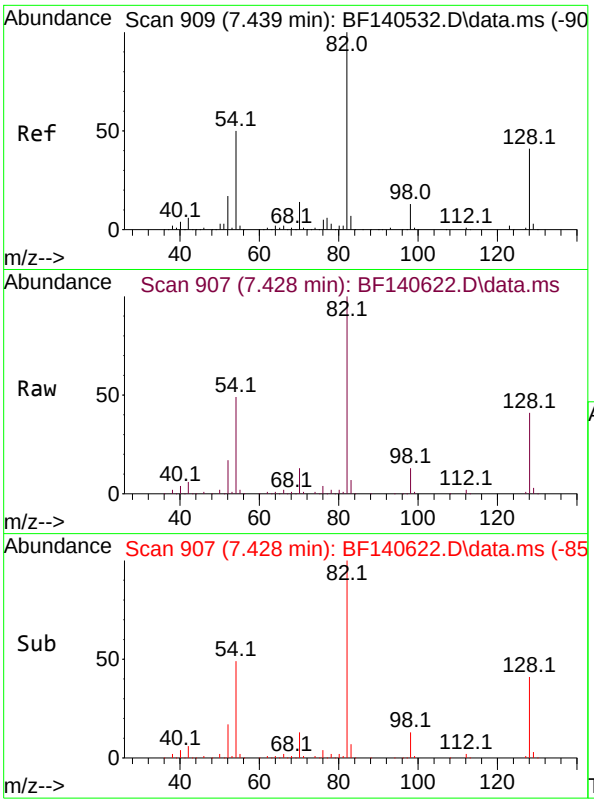


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Tgt Ion:136 Resp: 212247

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	6.9	5.8	8.8
68	4.8	4.1	6.1



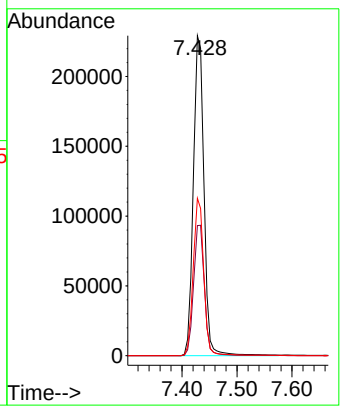


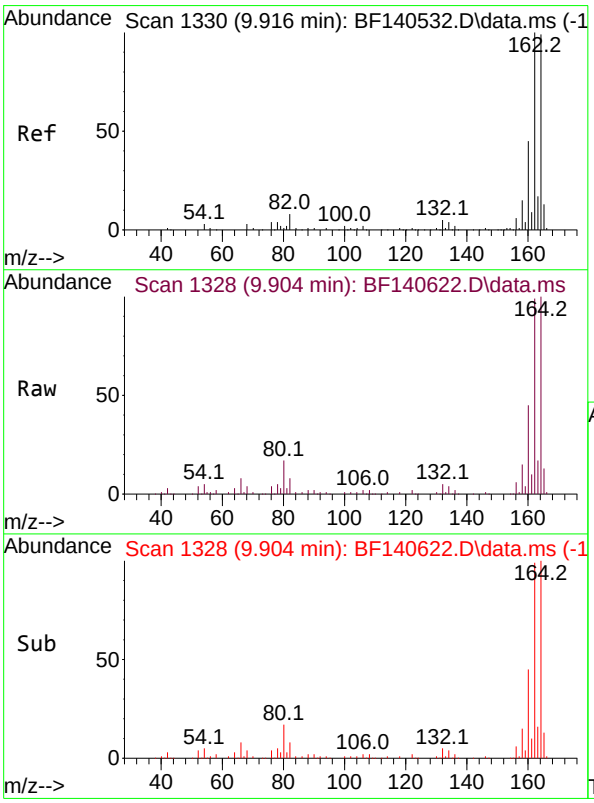
#23
Nitrobenzene-d5
Concen: 74.275 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion: 82 Resp: 308203

Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.0	49.4
54	49.2	39.5	59.3

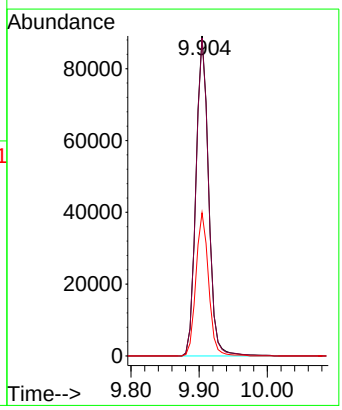


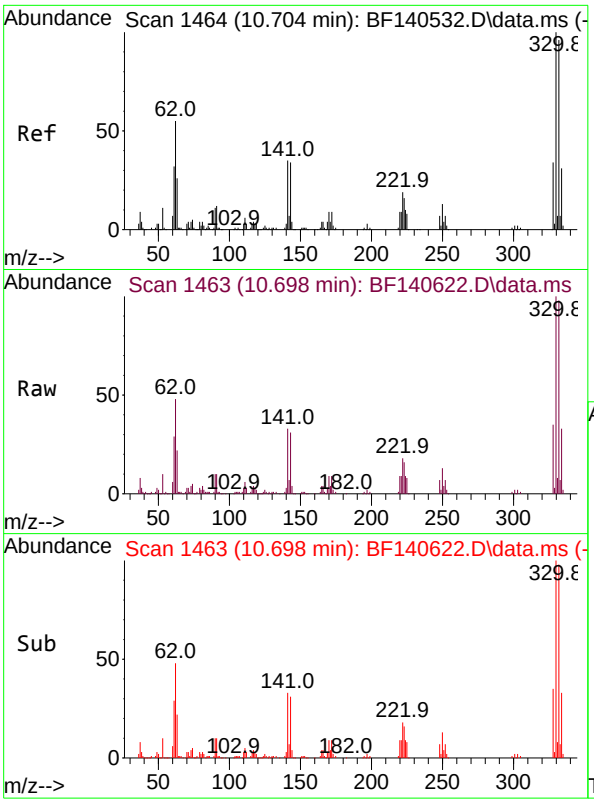


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Tgt Ion:164 Resp: 114728

Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.6	120.8
160	44.7	36.2	54.4



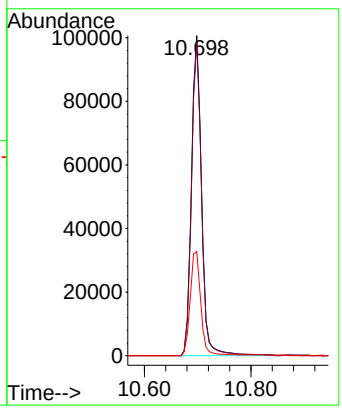


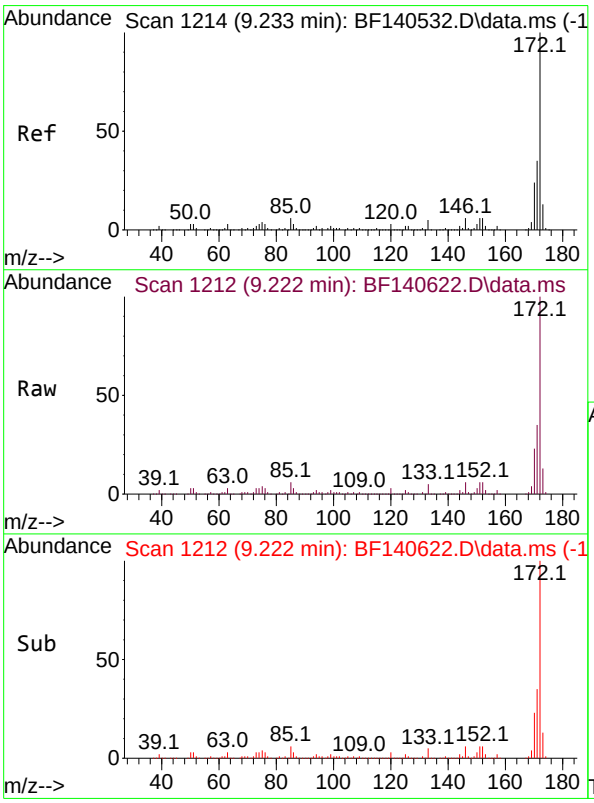
#42
2,4,6-Tribromophenol
Concen: 108.841 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion:330 Resp: 133550

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.9	115.3
141	34.2	26.7	40.1

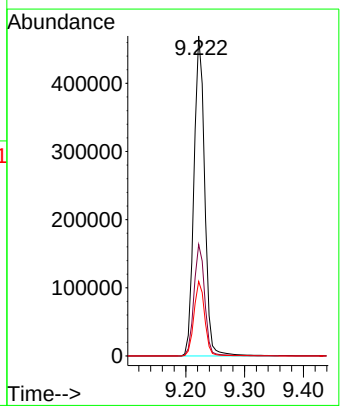


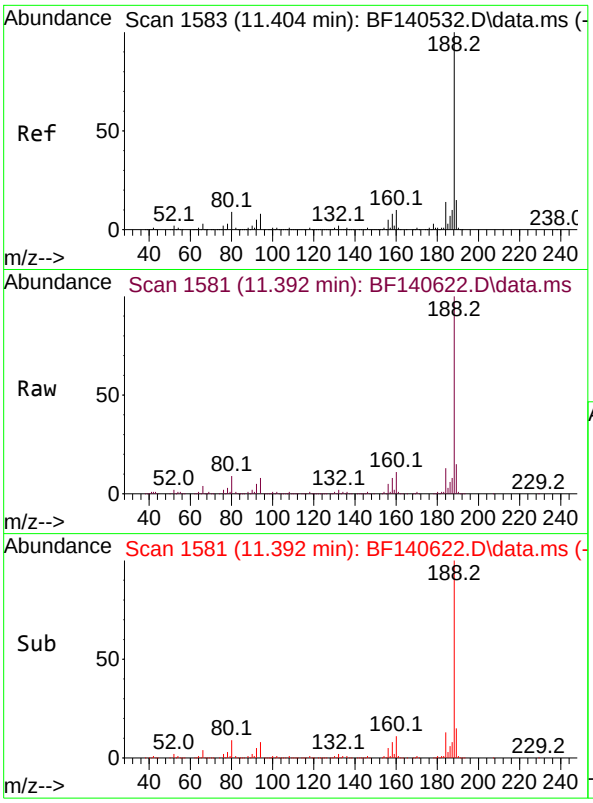


#45
2-Fluorobiphenyl
Concen: 77.406 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Tgt Ion:172 Resp: 596040

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.4	42.6
170	23.3	19.0	28.6



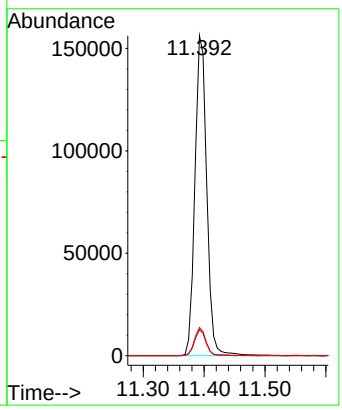


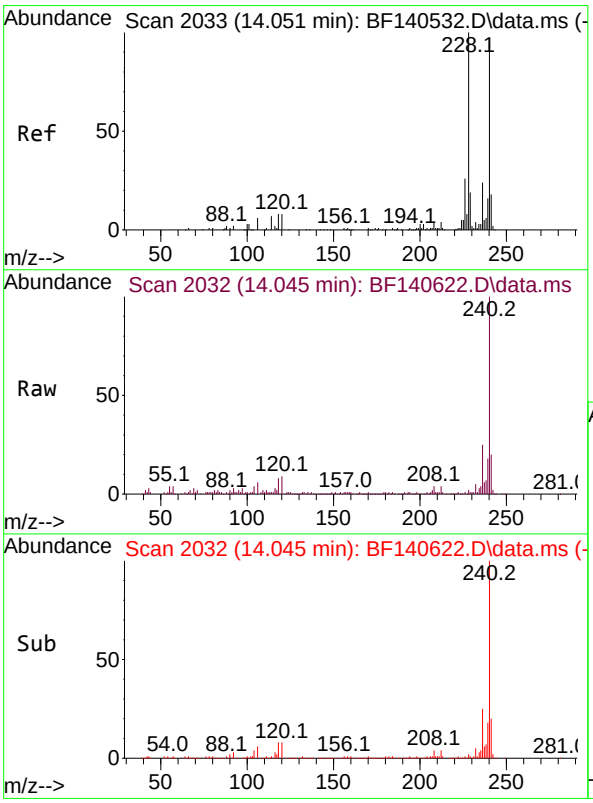
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion:188 Resp: 210520

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.4	9.6
80	8.8	6.9	10.3

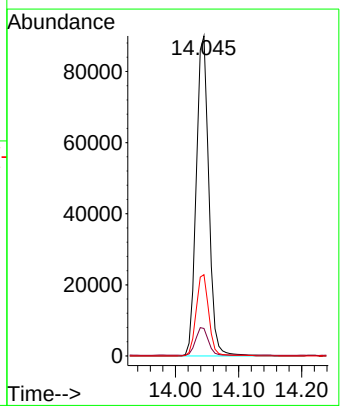


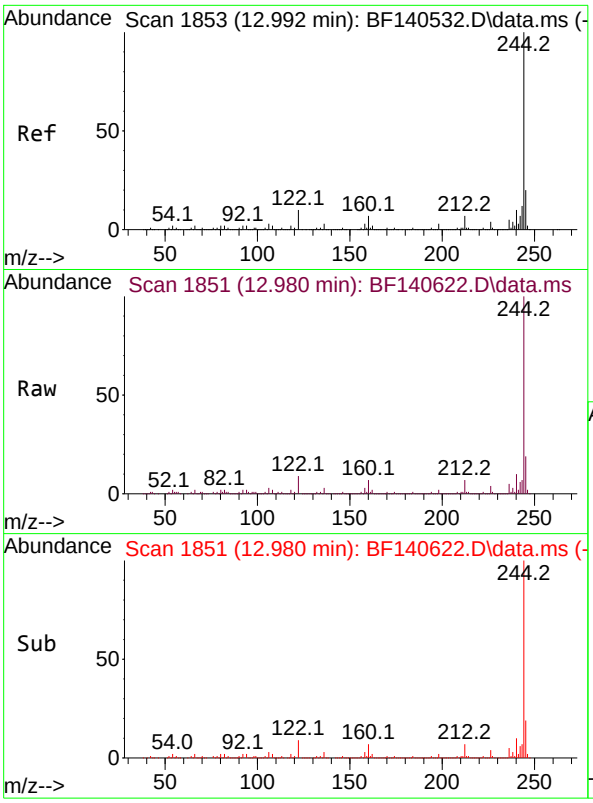


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Tgt Ion:240 Resp: 124009

Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.3	10.9
236	25.4	20.6	31.0



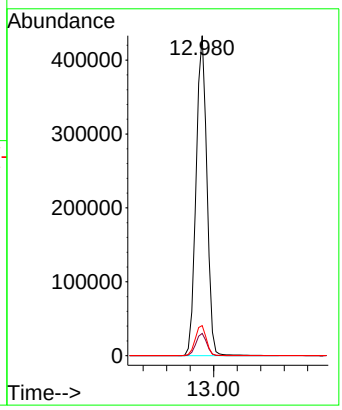


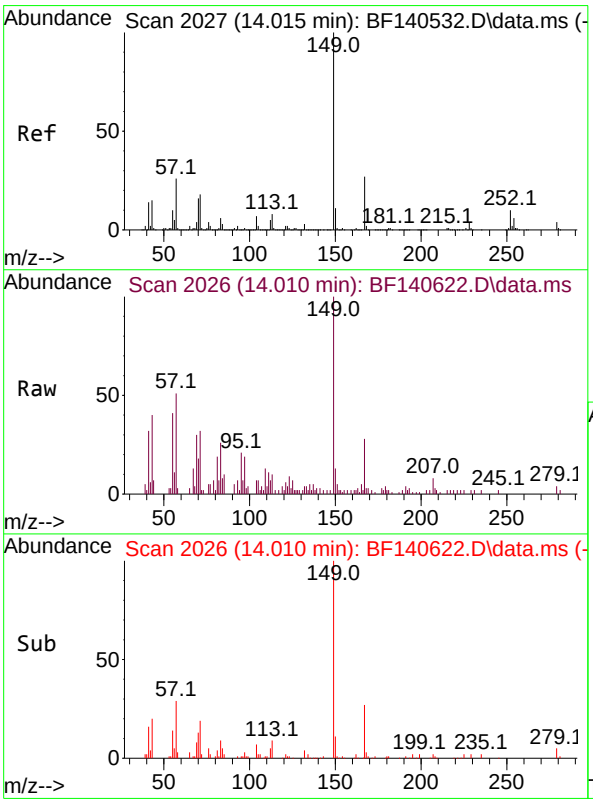
#79
Terphenyl-d14
Concen: 69.263 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion:244 Resp: 551608

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	9.4	8.0	12.0

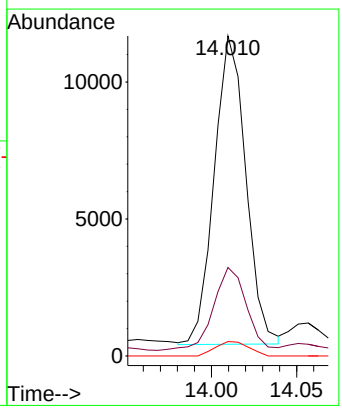


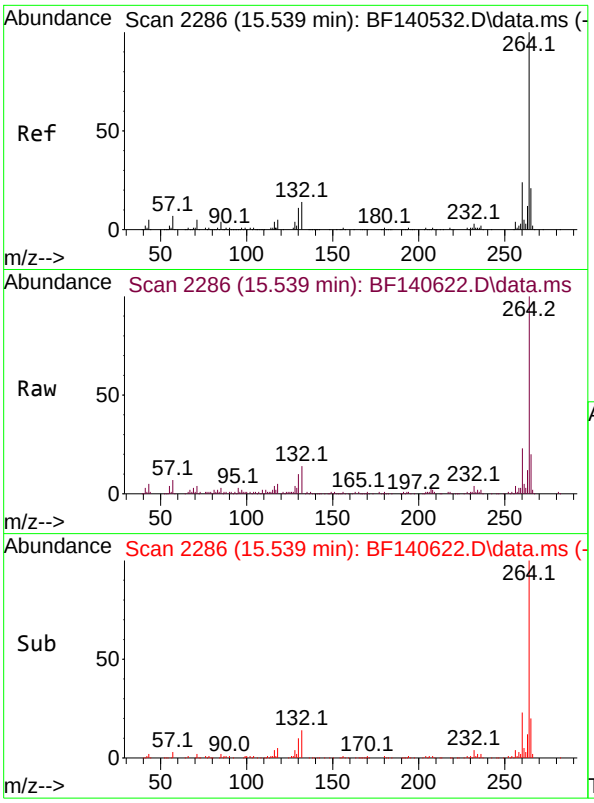


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.781 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Tgt Ion:149 Resp: 14506

Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.2	31.8
279	4.5	3.2	4.8



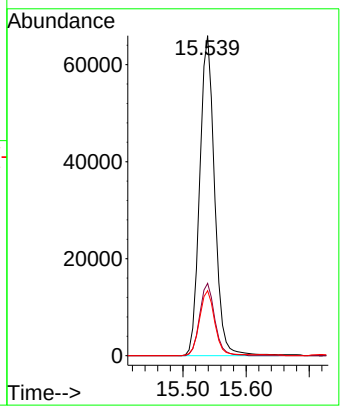


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion:264 Resp: 108011

Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.0	28.6
265	20.3	16.6	25.0



Sample Results: **BF140622.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140622.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	504	509	519	rVB	19352	29324	1.73%	0.251%
2	5.493	573	578	599	rVB	976473	1329504	78.49%	11.371%
3	6.504	744	750	776	rBV	1041773	1375091	81.18%	11.761%
4	6.869	807	812	819	rBV	281826	342388	20.21%	2.928%
5	7.428	902	907	919	rBV	655973	872028	51.48%	7.458%
6	7.687	947	951	962	rVB	8736	18085	1.07%	0.155%
7	8.151	1025	1030	1042	rBV	323550	421907	24.91%	3.608%
8	9.222	1207	1212	1223	rBV	1352350	1693879	100.00%	14.487%
9	9.904	1323	1328	1341	rVB	375068	480581	28.37%	4.110%
10	10.616	1444	1449	1457	rBV	274274	356165	21.03%	3.046%
11	10.698	1457	1463	1477	rVV	758705	1030102	60.81%	8.810%
12	10.816	1478	1483	1489	rVB4	10598	20021	1.18%	0.171%
13	10.928	1497	1502	1511	rBV	41160	62004	3.66%	0.530%
14	11.392	1576	1581	1591	rBV	375832	519828	30.69%	4.446%
15	11.916	1666	1670	1678	rBV	80778	139203	8.22%	1.191%
16	12.333	1738	1741	1745	rBV	31349	38943	2.30%	0.333%
17	12.416	1752	1755	1759	rVB2	13185	17085	1.01%	0.146%
18	12.645	1790	1794	1799	rVB	49341	63743	3.76%	0.545%
19	12.980	1845	1851	1859	rBV	1128292	1456378	85.98%	12.456%
20	14.010	2023	2026	2028	rBV	32025	42763	2.52%	0.366%
21	14.045	2028	2032	2042	rVB	253255	361216	21.32%	3.089%
22	14.504	2107	2110	2114	rVB	20732	26063	1.54%	0.223%
23	14.892	2173	2176	2183	rVB	35955	49116	2.90%	0.420%
24	15.157	2217	2221	2229	rVB	39855	62760	3.71%	0.537%
25	15.539	2280	2286	2297	rVB	189494	325156	19.20%	2.781%
26	15.986	2358	2362	2368	rVB	18049	28718	1.70%	0.246%
27	16.268	2401	2410	2433	rBV9	49954	249760	14.74%	2.136%
28	16.445	2434	2440	2453	rVB4	83243	184514	10.89%	1.578%
29	17.068	2541	2546	2560	rVB4	13673	46438	2.74%	0.397%
30	17.657	2640	2646	2650	rBV7	19866	49608	2.93%	0.424%

Sum of corrected areas: 11692371

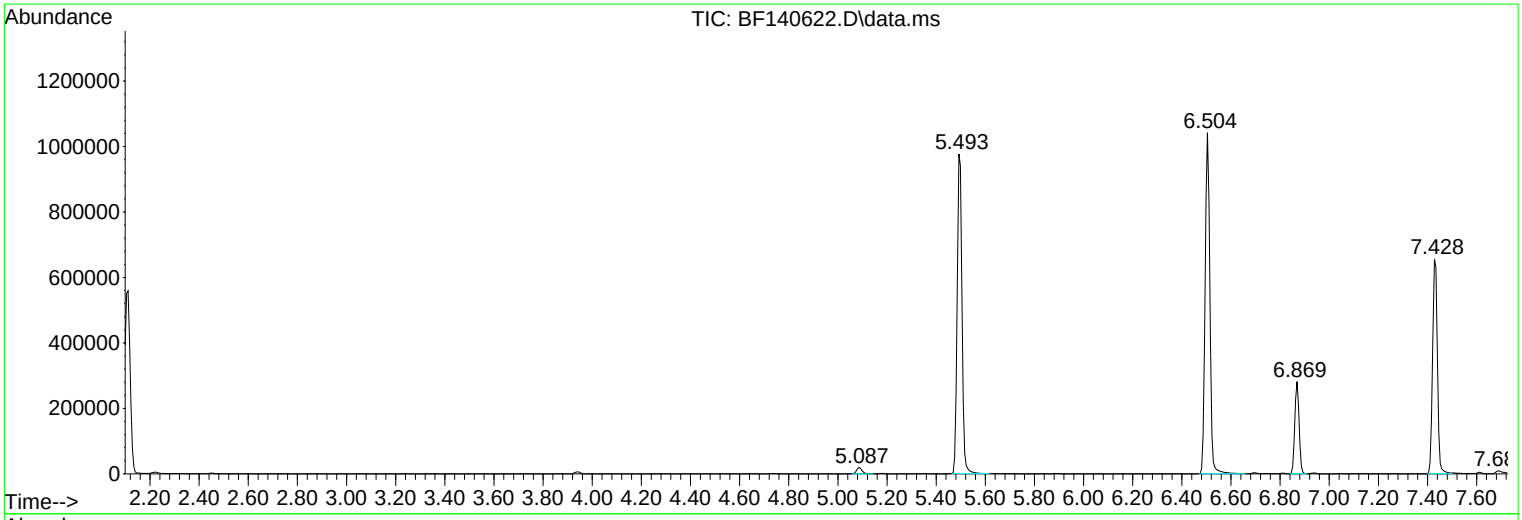
Sample Results: **BF140622.D**

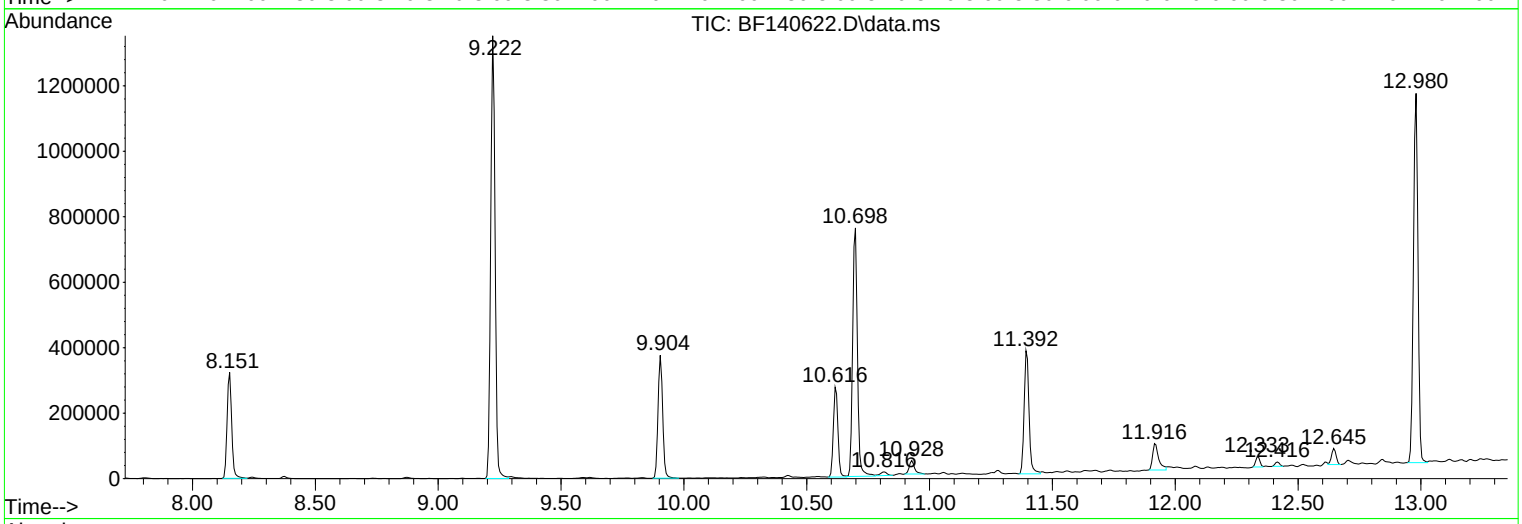
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Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

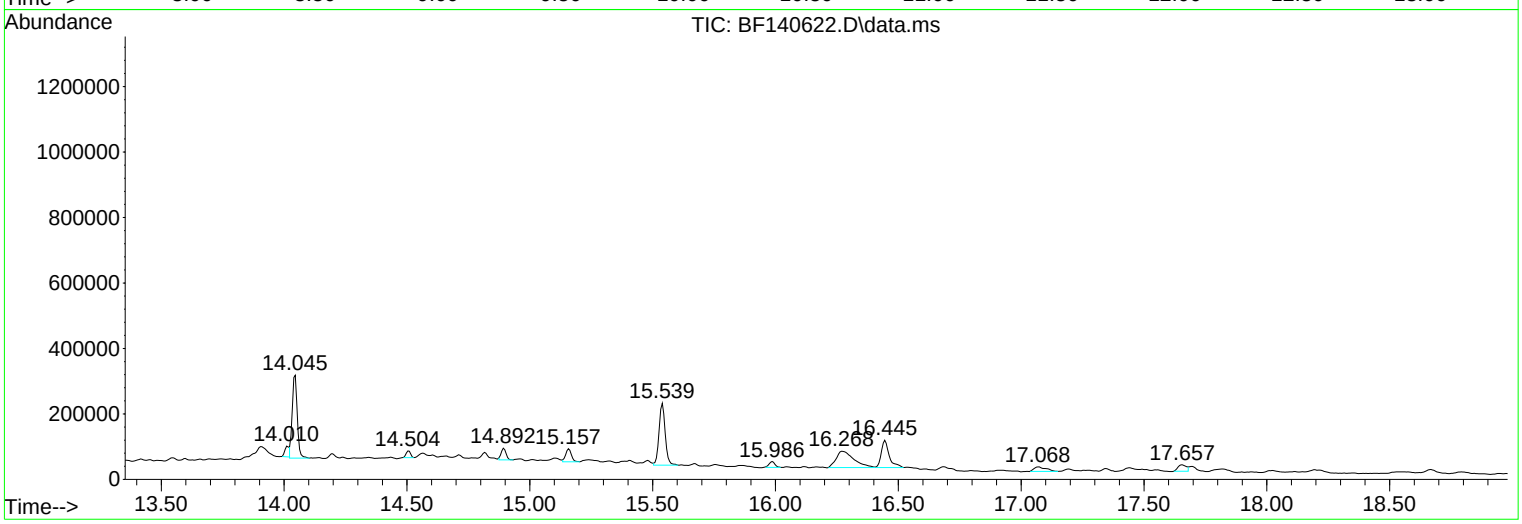
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

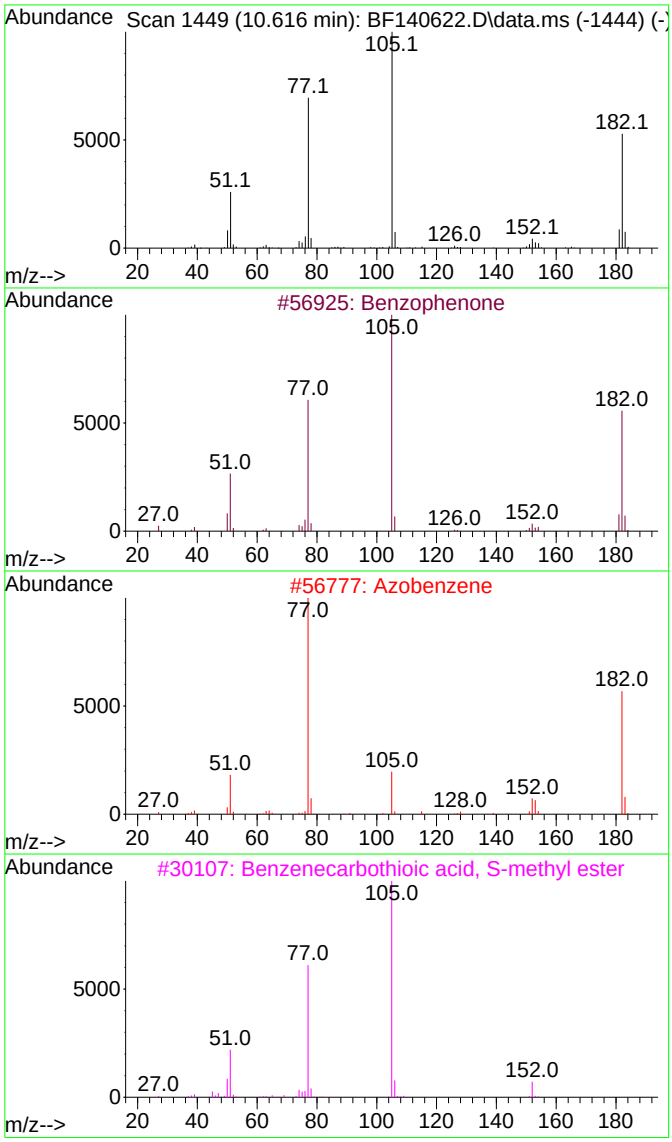
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TIC Integration Parameters: LSCINT.P

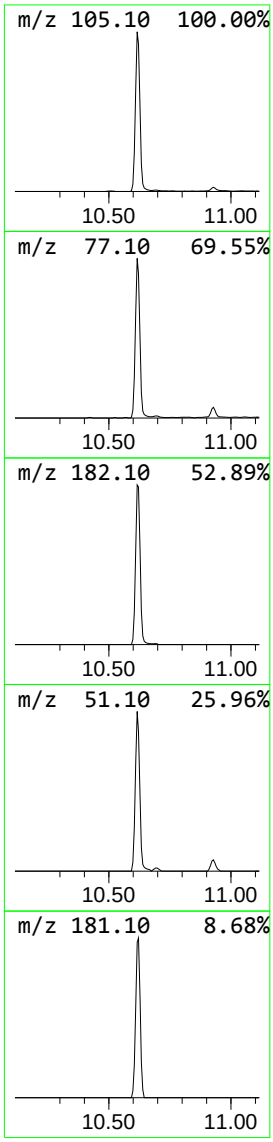
****

Peak Number 1 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	14.82 ng	356165	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	72
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
4	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

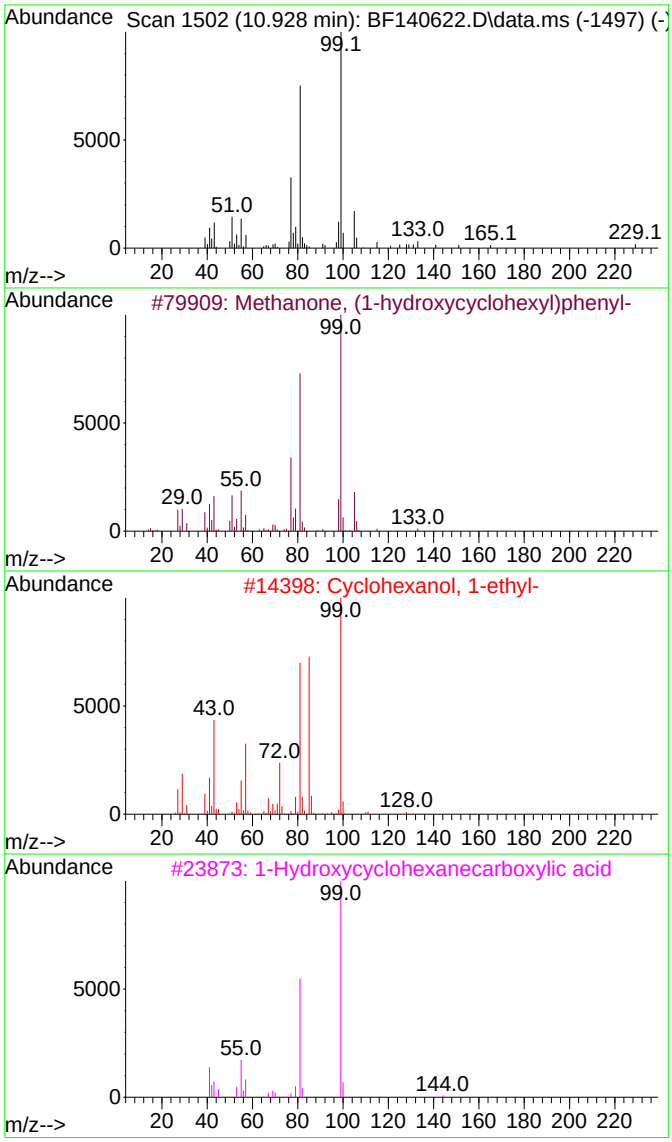
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

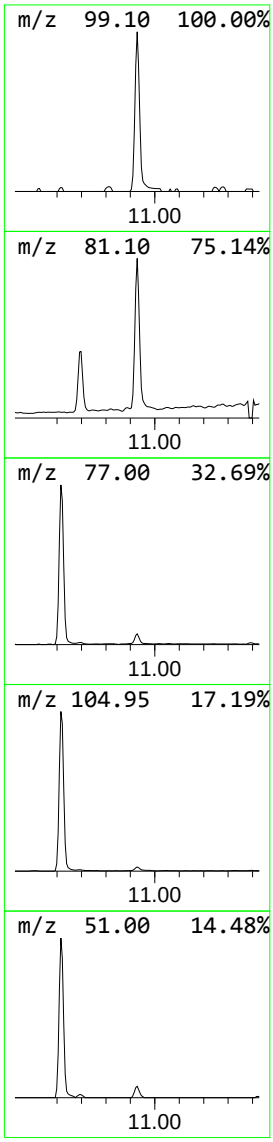
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Methanone, (1-hydroxycycloh... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.928	2.39 ng	62004	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	91
2	Cyclohexanol, 1-ethyl-	128	C8H16O	001940-18-7	59
3	1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	59
4	3-Methylcyclohexyl methylphospho...	194	C8H16FO2P	113548-86-0	45
5	Cyclohexanol, 1-(aminomethyl)-	129	C7H15NO	004000-72-0	38





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On    : 25 Nov 2024  23:48
Operator  : RC/JU
Sample    : P4860-03
Misc      :
ALS Vial  : 20   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

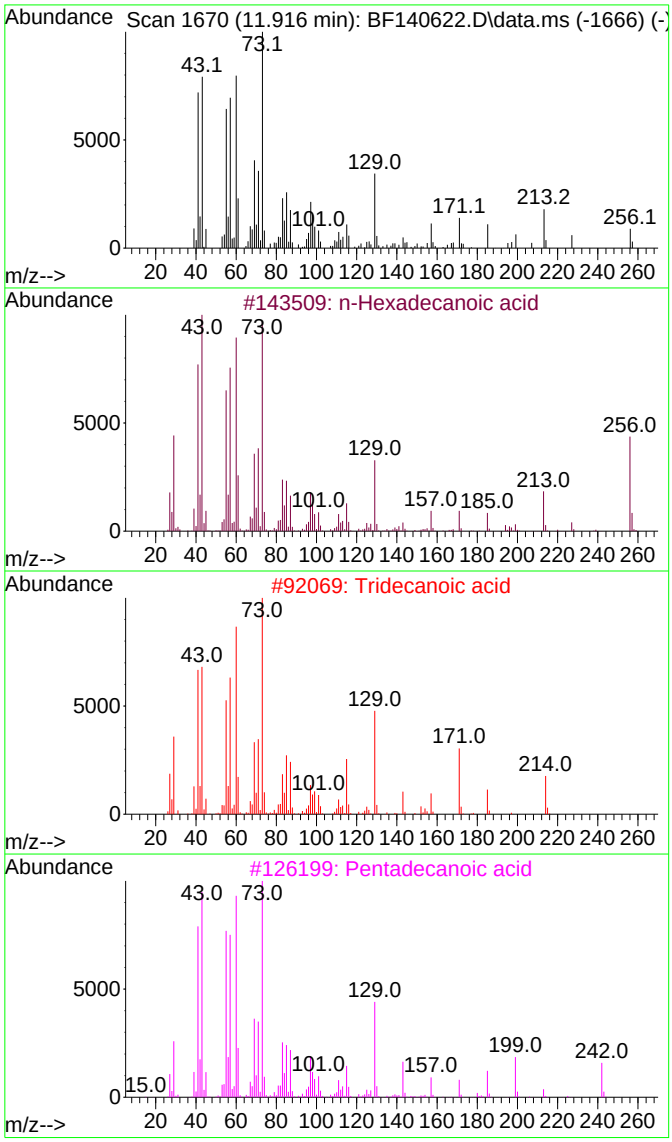
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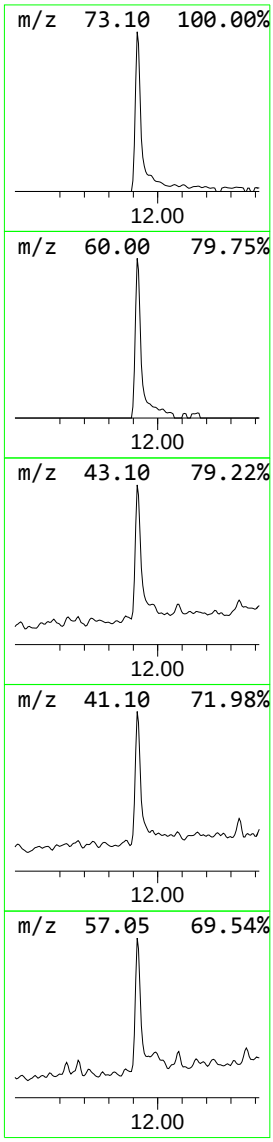
Instrument : BNA_F
ClientSampleId : PH2-BOT-002

Peak Number 3 n-Hexadecanoic acid **Concentration Rank 4**

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	5.36 ng	139203	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Nonanoic acid	158	C9H18O2	000112-05-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

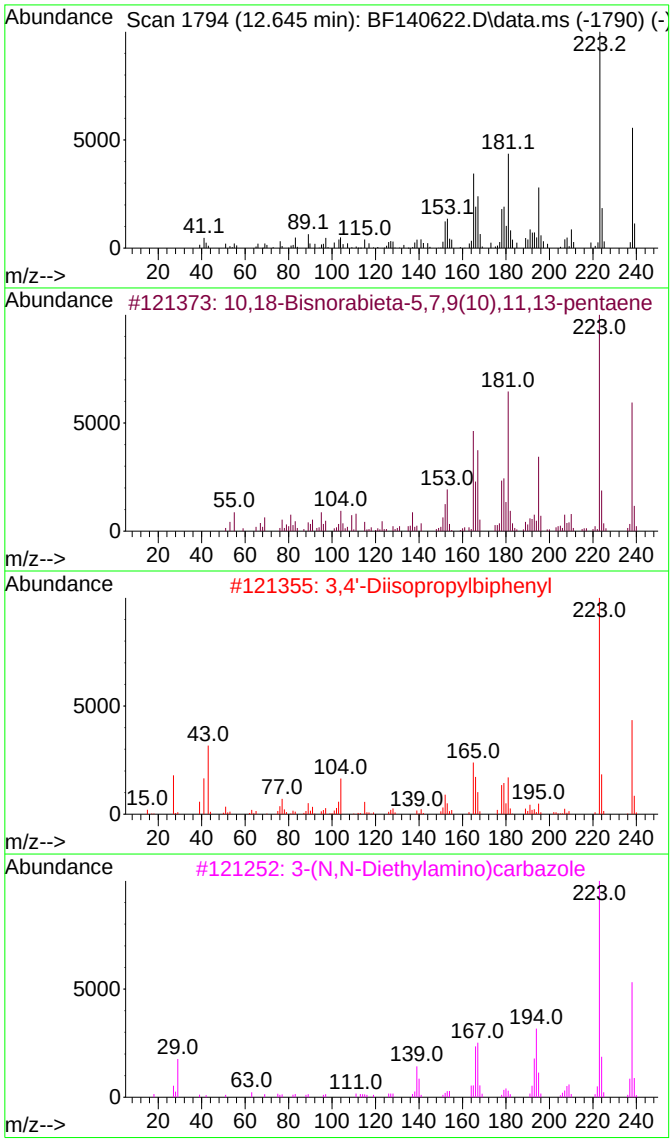
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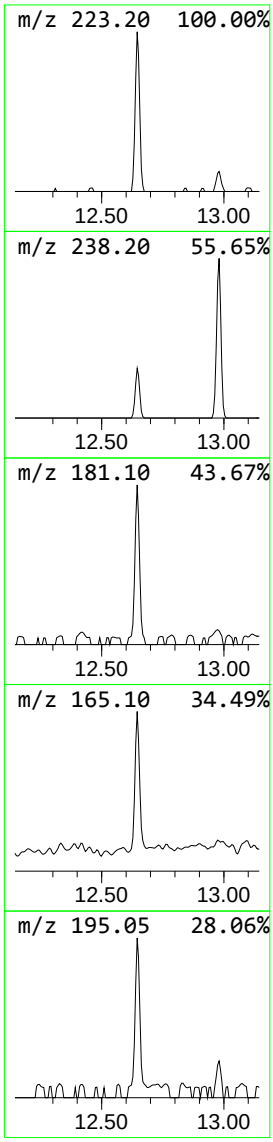
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Peak Number 4 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.645	2.45 ng	63743	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	90
3	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	64
4	1,3-Diethyl-5-(1-phenylethyl)ben...	238	C18H22	1000482-32-6	58
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

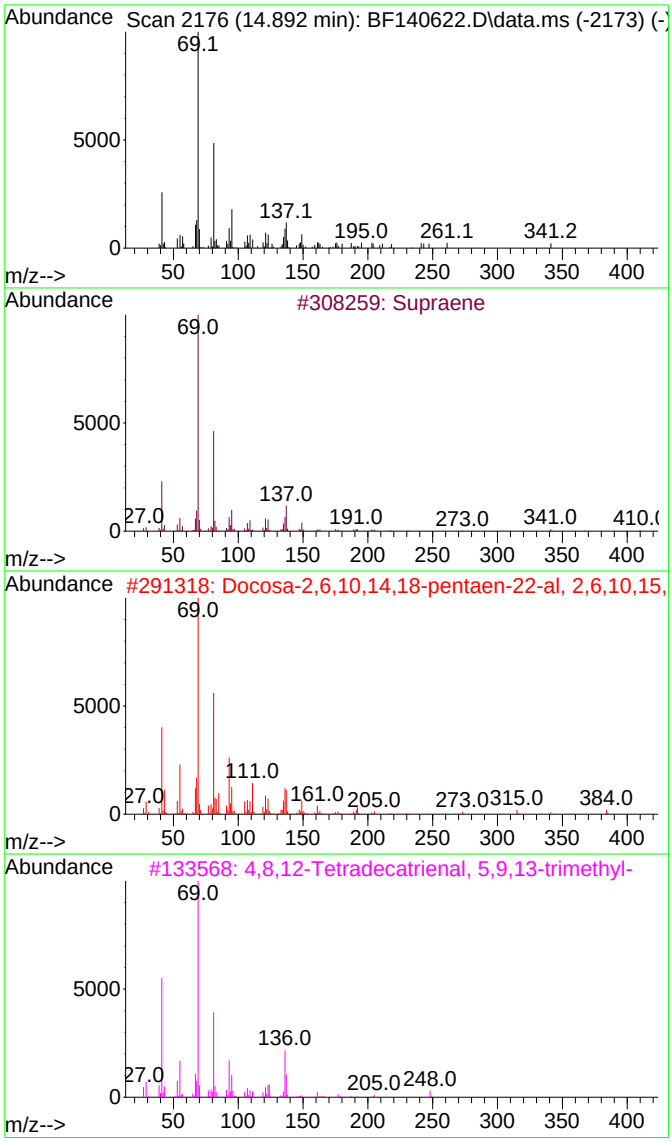
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TIC Integration Parameters: LSCINT.P

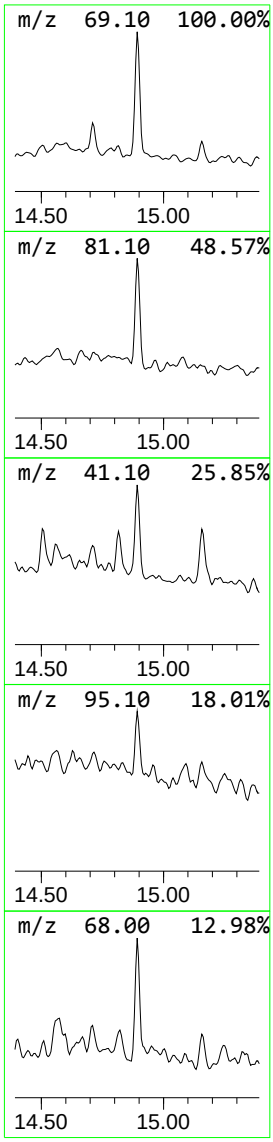
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Peak Number 5 Supraene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.892	3.02 ng	49116	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	87
2	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	78
3	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	72
4	Furan, 3-(4,8-dimethyl-3,7-nonad...	218	C15H22O	023262-34-2	64
5	1,6-Octadiene, 3,5-dimethyl-, tr...	138	C10H18	074630-87-8	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

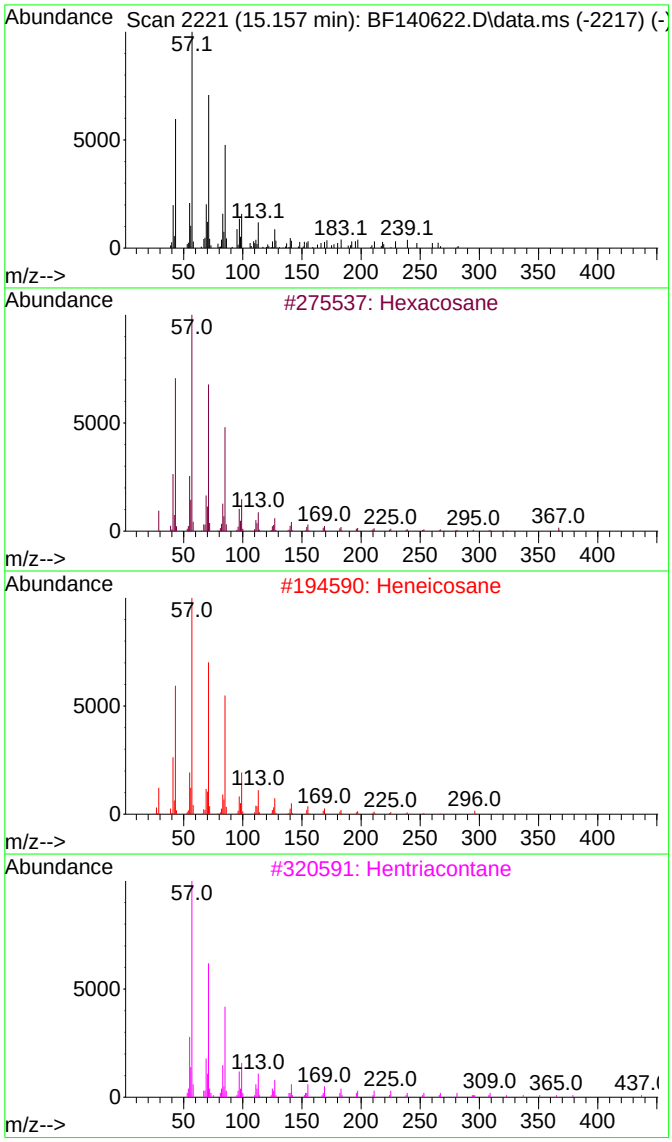
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TIC Integration Parameters: LSCINT.P

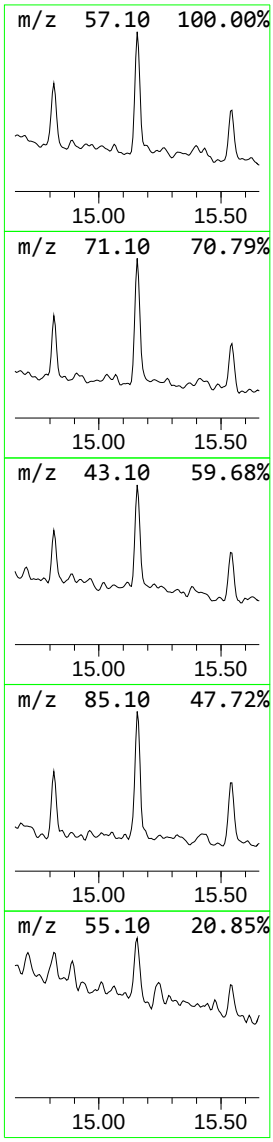
****

Peak Number 6 Hexacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.157	3.86 ng	62760	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	87
2	Heneicosane	296	C21H44	000629-94-7	87
3	Hentriacontane	437	C31H64	000630-04-6	87
4	Eicosane	282	C20H42	000112-95-8	86
5	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

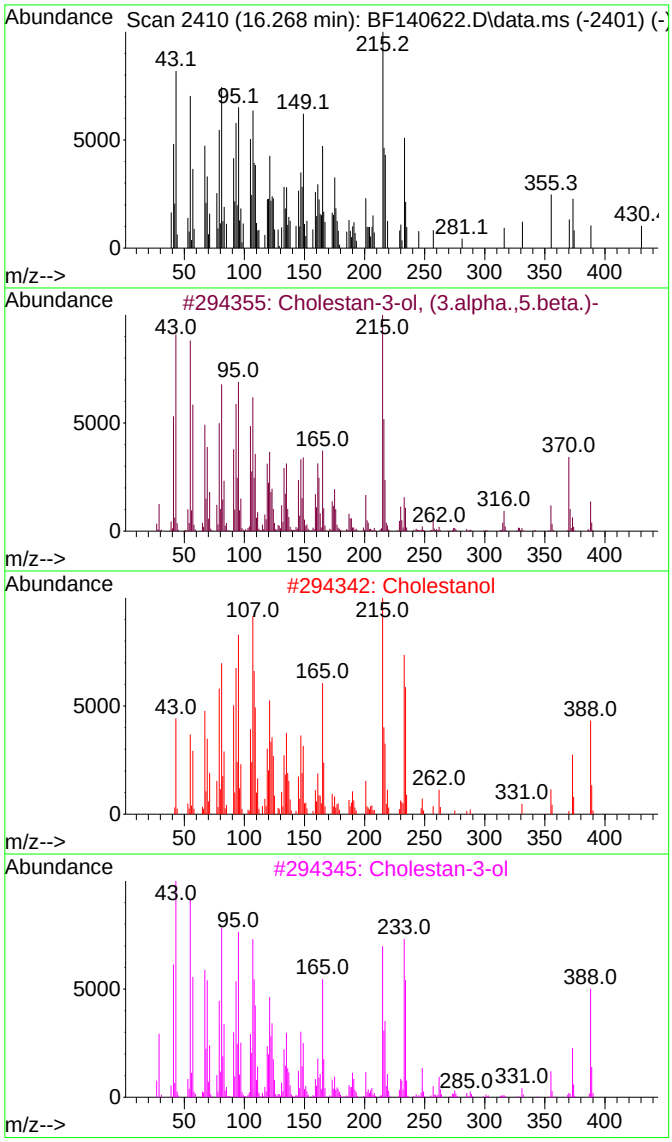
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

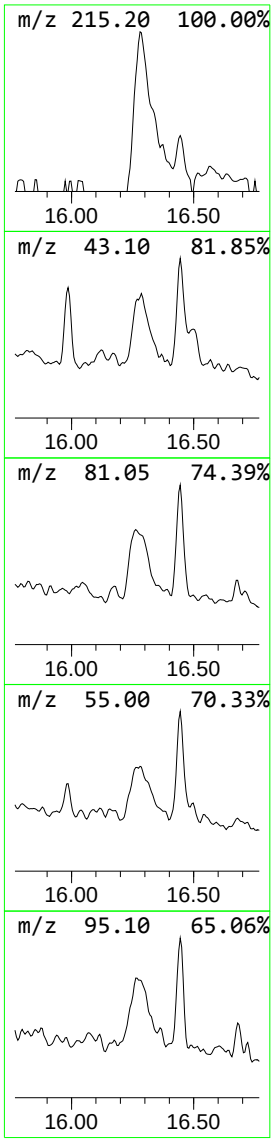
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cholestan-3-ol, (3.alpha.,5... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.268	15.36 ng	249760	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestan-3-ol, (3.alpha.,5.beta.)-	388	C27H48O	000516-92-7	90
2	Cholestanol	388	C27H48O	000080-97-7	70
3	Cholestan-3-ol	388	C27H48O	027409-41-2	50
4	5.beta.-Cholestan-3.alpha.-ol, 2...	458	C31H54O2	1000514-95-7	46
5	5.beta.-Cholestan-3.alpha.-ol, a...	430	C29H50O2	033157-47-0	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

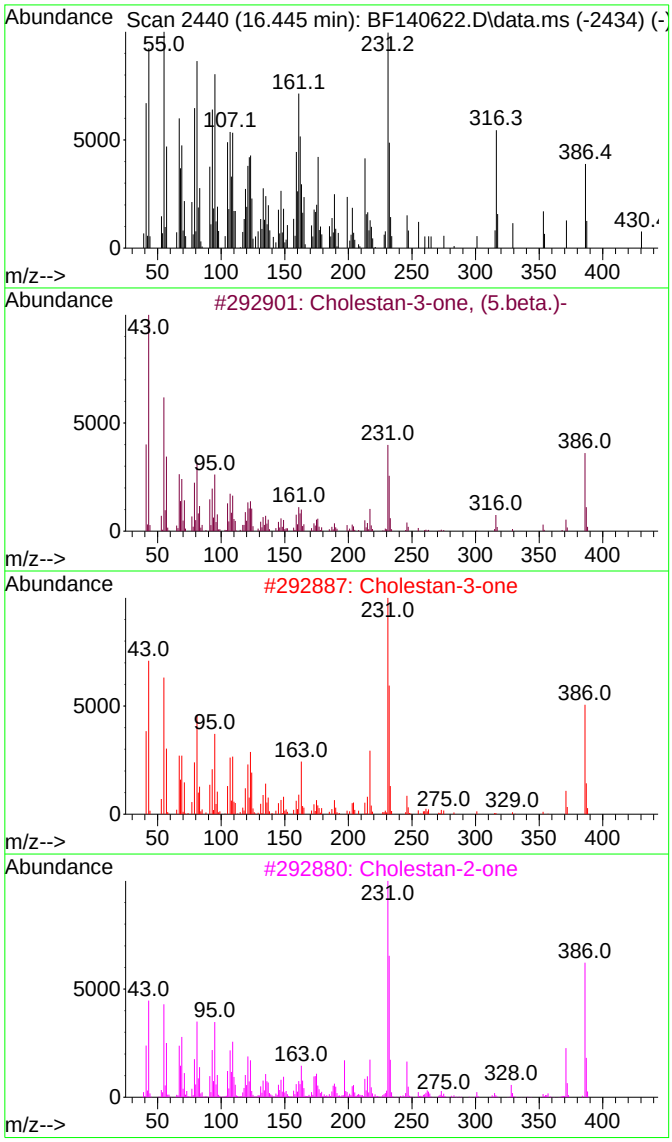
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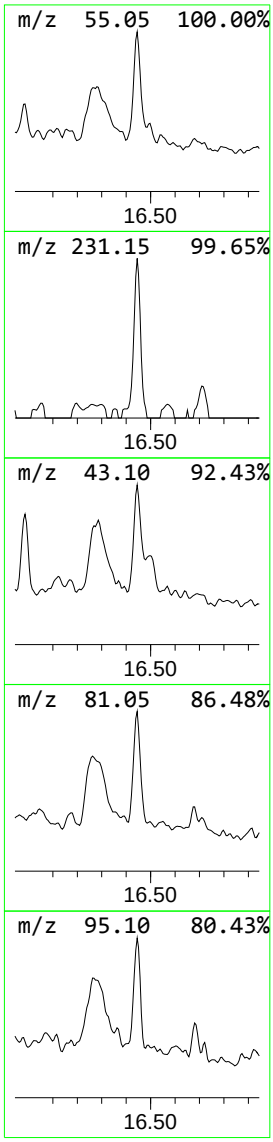
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Peak Number 8 Cholestan-3-one, (5.beta.)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.445	11.35 ng	184514	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestan-3-one, (5.beta.)-	386	C27H46O	000601-53-6	90
2	Cholestan-3-one	386	C27H46O	015600-08-5	90
3	Cholestan-2-one	386	C27H46O	1010210-43-4	83
4	Cholestan-3-one, (5.alpha.)-	386	C27H46O	000566-88-1	64
5	Cholest-4-en-3-ol	386	C27H46O	014597-42-3	43





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On    : 25 Nov 2024  23:48
Operator  : RC/JU
Sample    : P4860-03
Misc      :
ALS Vial  : 20   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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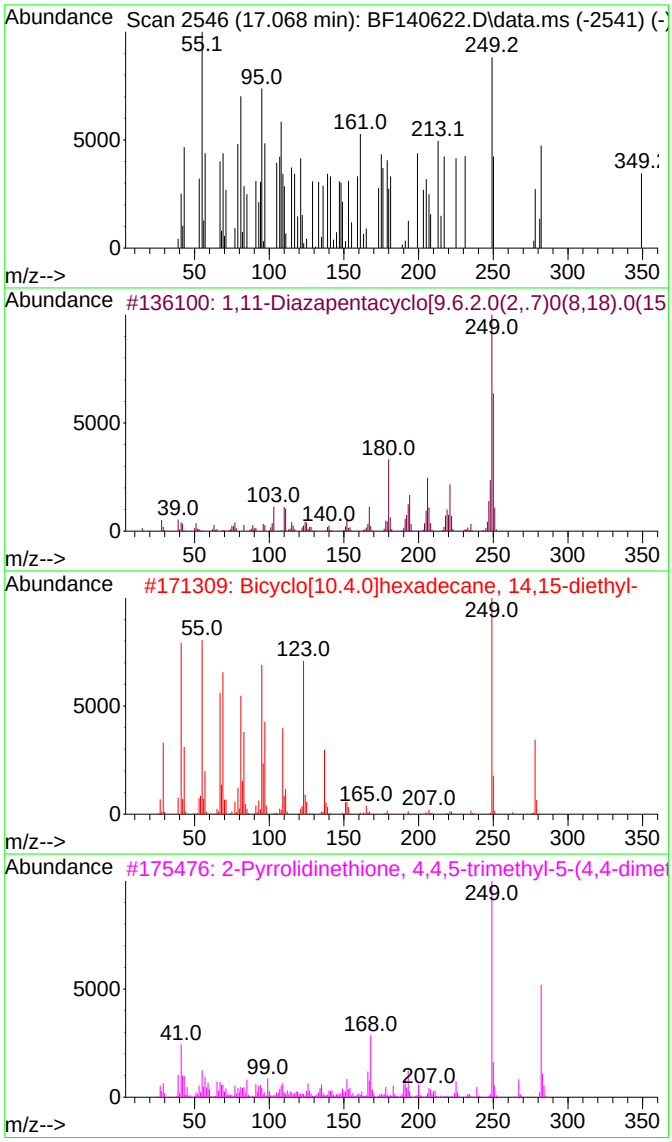
Instrument : BNA_F
ClientSampleId : PH2-BOT-002

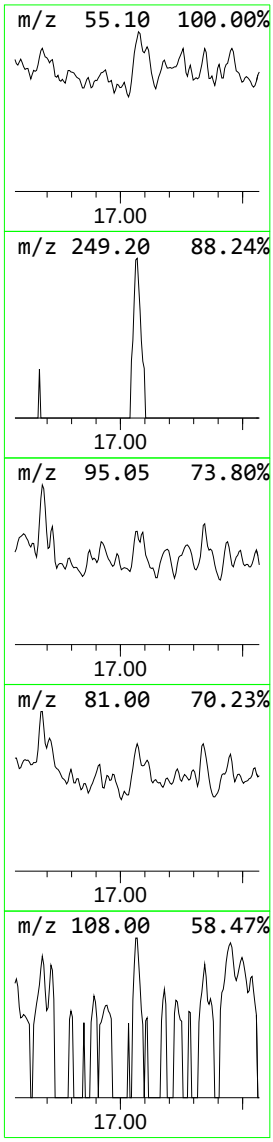
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Peak Number 9 unknown17.068 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.068	2.86 ng	46438	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,11-Diazapentacyclo[9.6.2.0(2,....	250	C17H18N2	1000436-58-8	11
2	Bicyclo[10.4.0]hexadecane, 14,15...	278	C20H38	1000155-81-5	10
3	2-Pyrrolidinethione, 4,4,5-trime...	282	C14H22N2S2	1000186-15-6	10
4	[3-(Difluoromethyl)-5-methyl-4-n...	249	C8H9F2N3O4	1000512-13-1	9
5	1,2,5-Thiadiazolo[3,4-c]coumarin...	249	C9H3N3O4S	119458-69-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

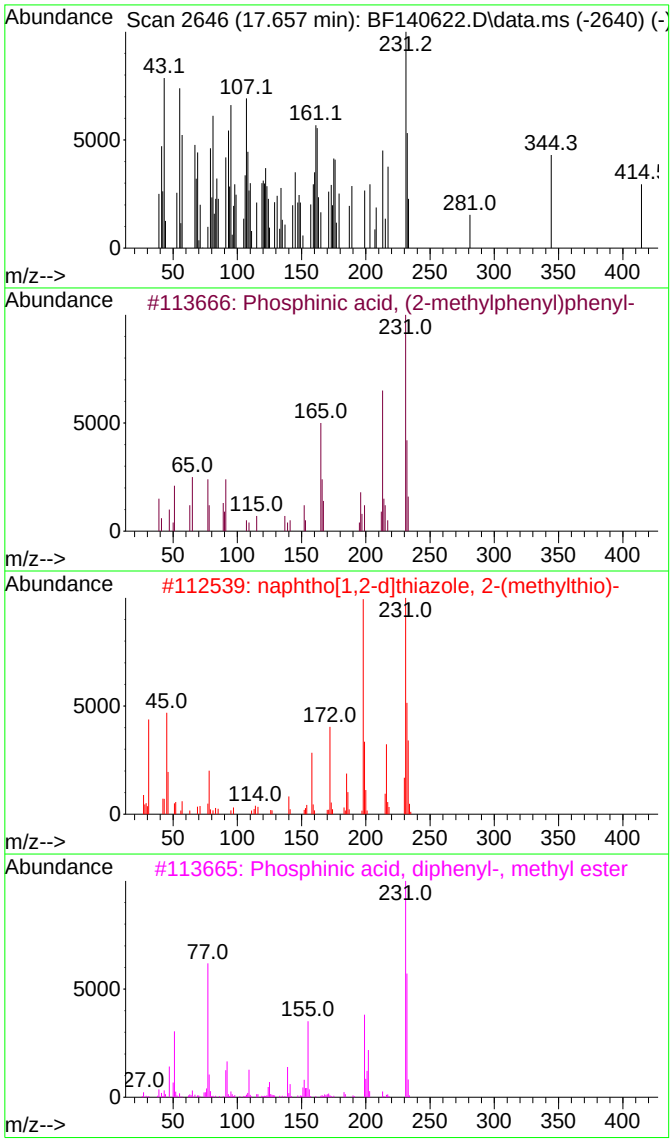
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

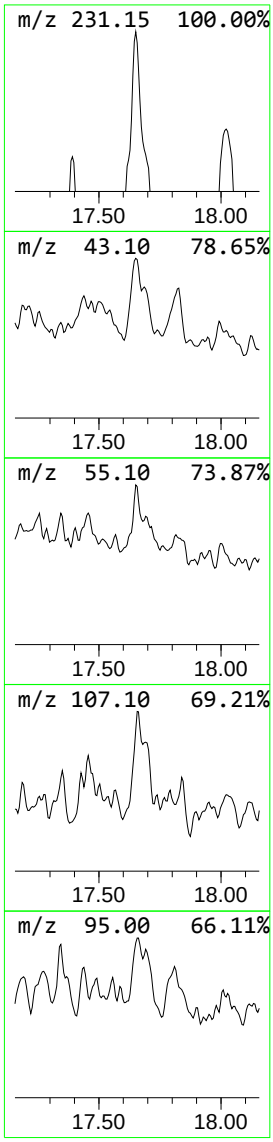
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Peak Number 10 unknown17.657 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.657	3.05 ng	49608	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphinic acid, (2-methylphenyl...	232	C13H13O2P	018593-18-5	35
2	naphtho[1,2-d]thiazole, 2-(methy...	231	C12H9NS2	1000401-03-0	25
3	Phosphinic acid, diphenyl-, meth...	232	C13H13O2P	001706-90-7	18
4	Isobutyl 1-pentyl-1H-indazole-3-...	288	C17H24N2O2	1000457-73-6	12
5	2-Propenoic acid, 2-cyano-3-(4-m...	231	C13H13NO3	002286-29-5	11





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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	10.616	14.8	ng	356165	3	9.904	480581	20.0
Methanone, (1-h...	10.928	2.4	ng	62004	4	11.392	519828	20.0
n-Hexadecanoic ...	11.916	5.4	ng	139203	4	11.392	519828	20.0
10,18-Bisnorabi...	12.645	2.5	ng	63743	4	11.392	519828	20.0
Supraene	14.892	3.0	ng	49116	6	15.539	325156	20.0
Hexacosane	15.157	3.9	ng	62760	6	15.539	325156	20.0
Cholestan-3-ol,...	16.268	15.4	ng	249760	6	15.539	325156	20.0
Cholestan-3-one...	16.445	11.4	ng	184514	6	15.539	325156	20.0
unknown17.068	17.068	2.9	ng	46438	6	15.539	325156	20.0
unknown17.657	17.657	3.0	ng	49608	6	15.539	325156	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Time: Nov 26 00:11:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

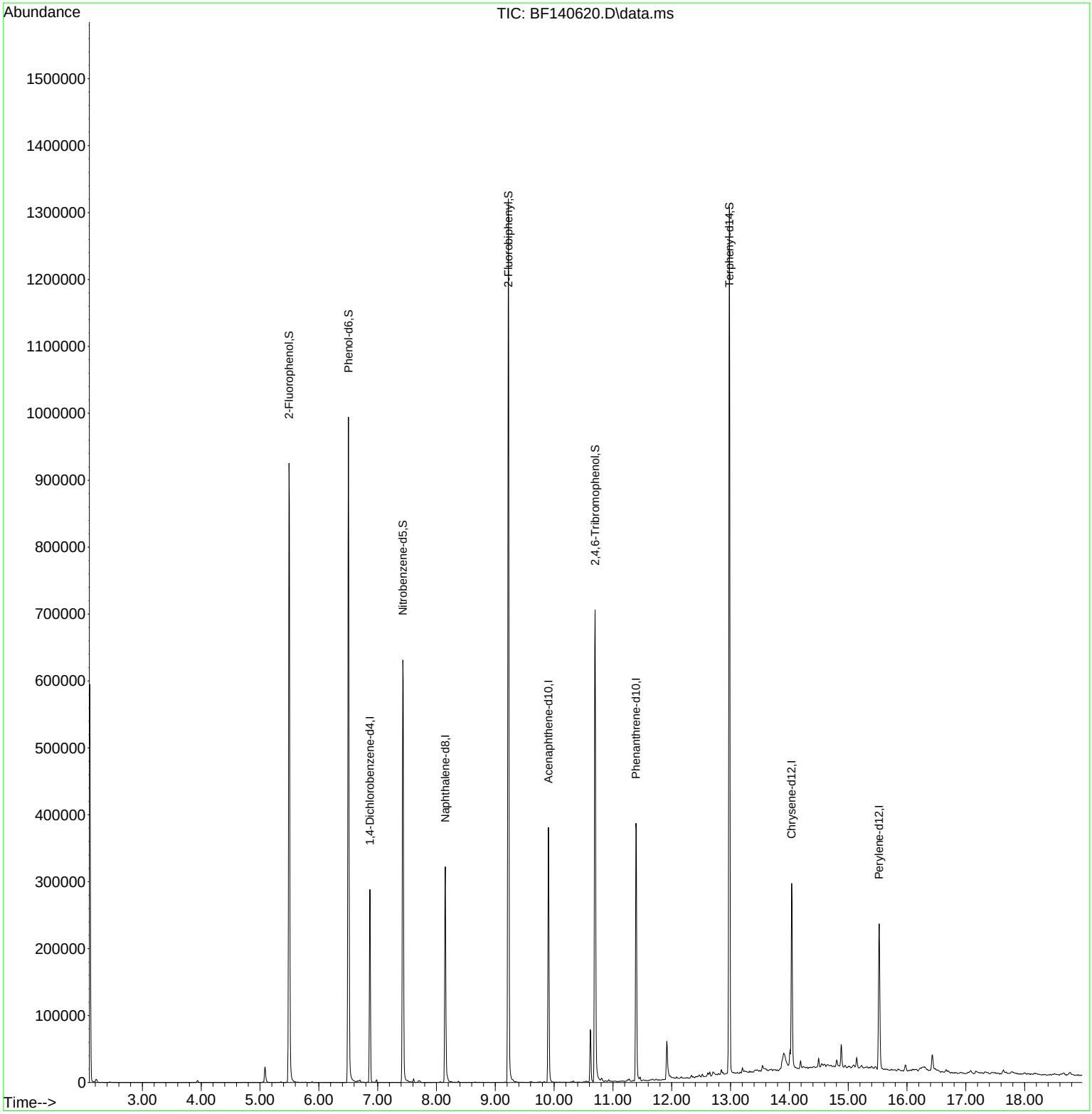
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	59191	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	215928	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	117690	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	222510	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	134073	20.000	ng	-0.01
86) Perylene-d12	15.527	264	132029	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	353591	101.924	ng	0.00
7) Phenol-d6	6.504	99	462361	100.814	ng	-0.01
23) Nitrobenzene-d5	7.428	82	297146	70.390	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	128817	102.341	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	578560	73.245	ng	-0.01
79) Terphenyl-d14	12.980	244	625576	72.655	ng	-0.01
Target Compounds						Qvalue

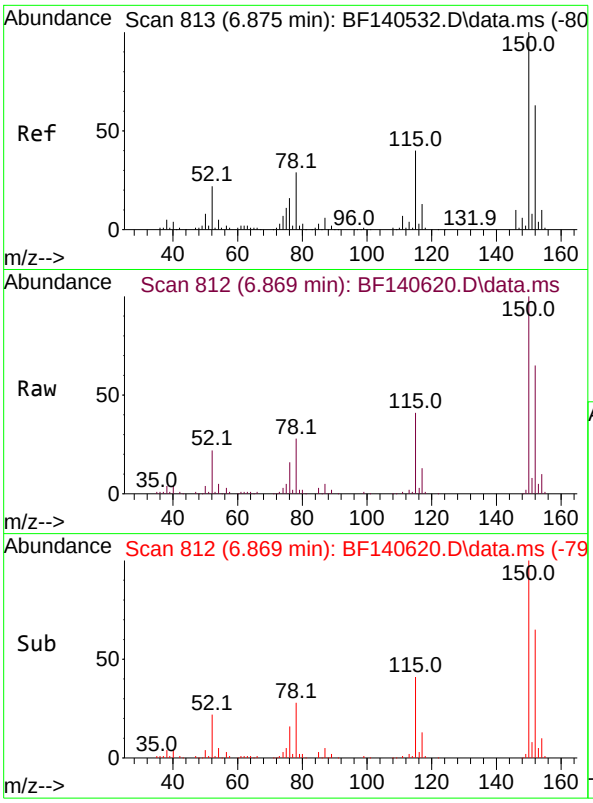
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Time: Nov 26 00:11:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



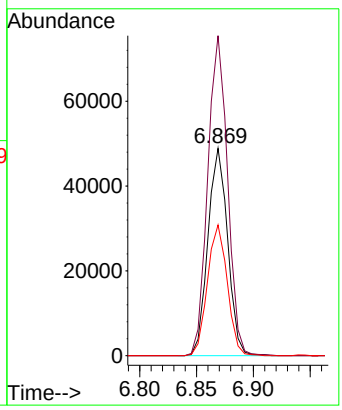


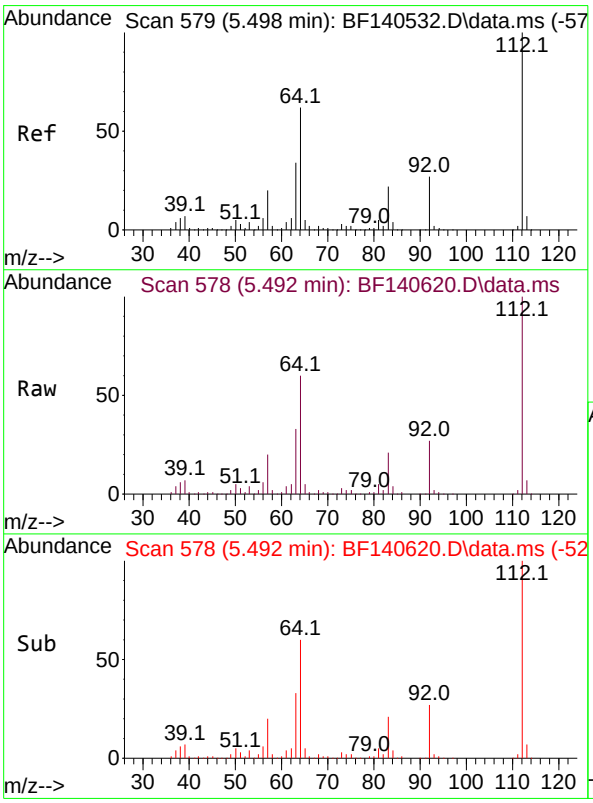
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Tgt Ion:152 Resp: 59191

Ion	Ratio	Lower	Upper
152	100		
150	154.3	128.5	192.7
115	63.0	50.2	75.4

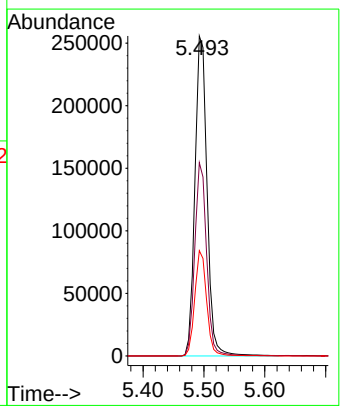


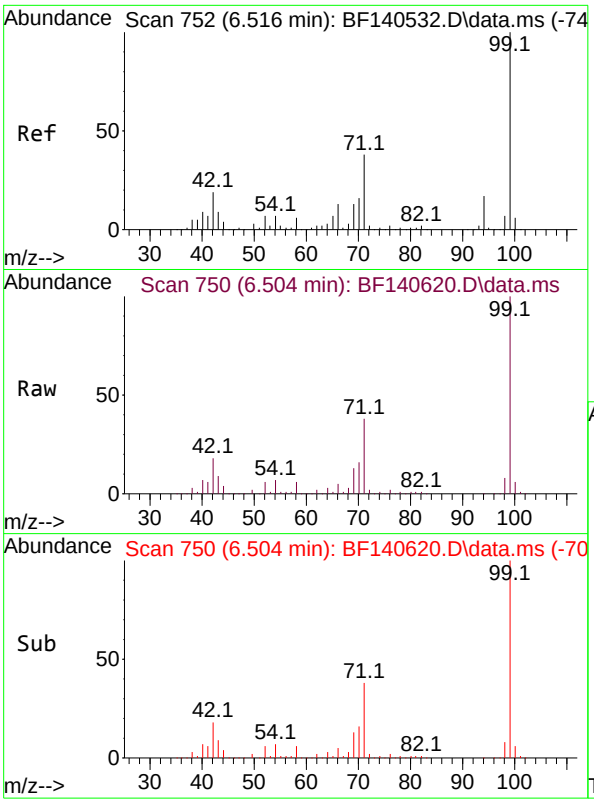


#5
2-Fluorophenol
Concen: 101.924 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Tgt Ion:112 Resp: 353591

Ion	Ratio	Lower	Upper
112	100		
64	60.4	49.2	73.8
63	32.9	27.0	40.4



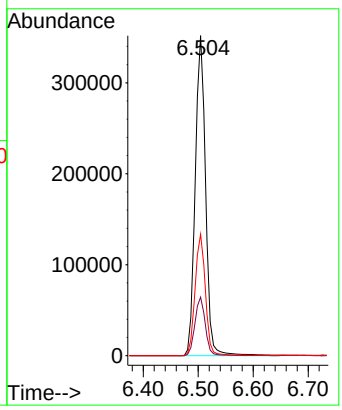


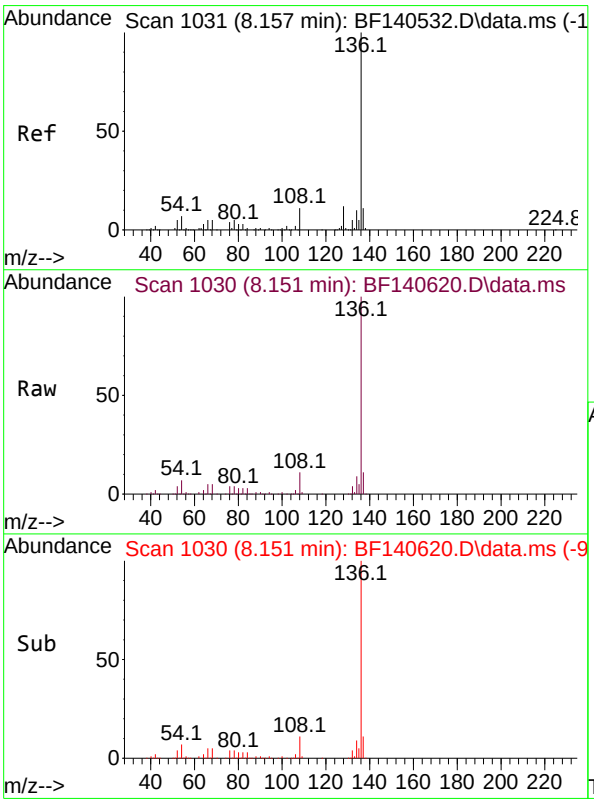
#7
Phenol-d6
Concen: 100.814 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Tgt Ion: 99 Resp: 462361

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.4	23.0
71	37.9	30.6	46.0

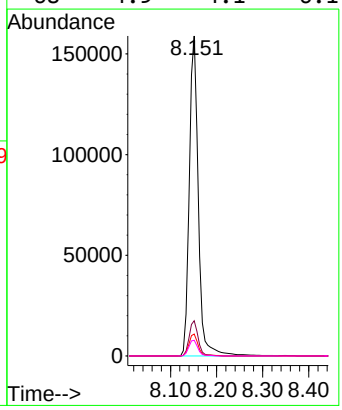


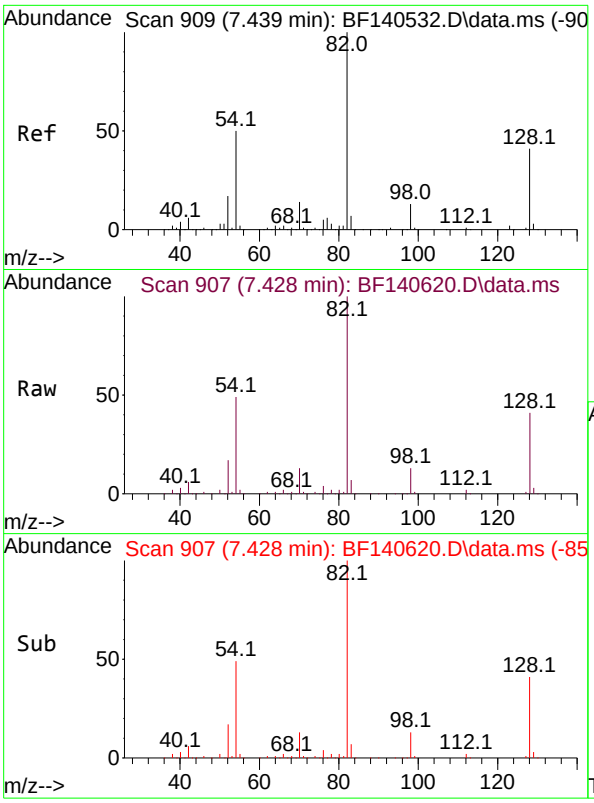


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Tgt Ion:136 Resp: 215928

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	6.8	5.8	8.8
68	4.9	4.1	6.1



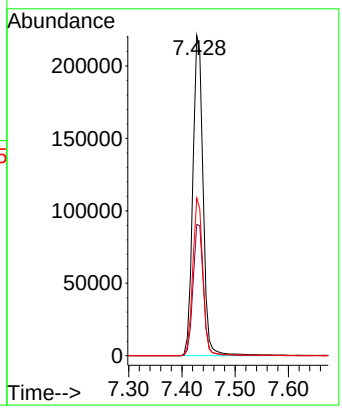


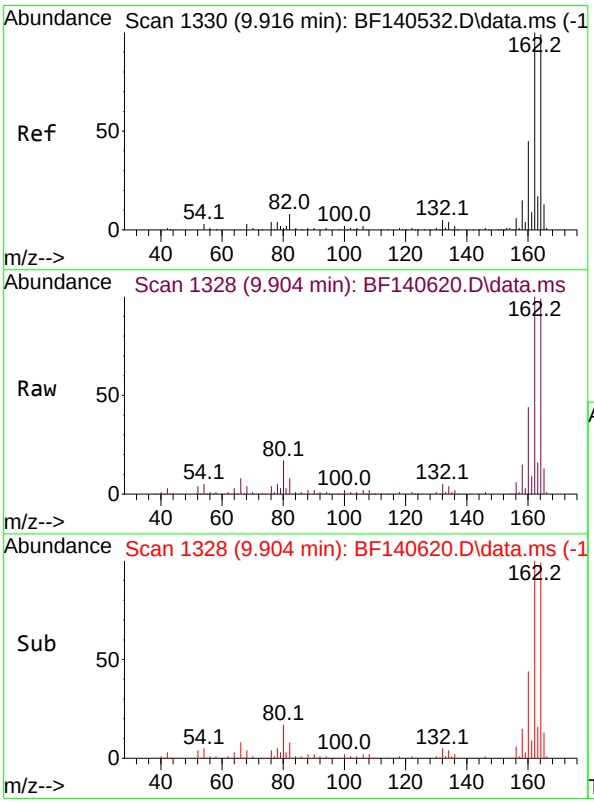
#23
Nitrobenzene-d5
Concen: 70.390 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Tgt Ion: 82 Resp: 297146

Ion	Ratio	Lower	Upper
82	100		
128	41.0	33.0	49.4
54	49.2	39.5	59.3

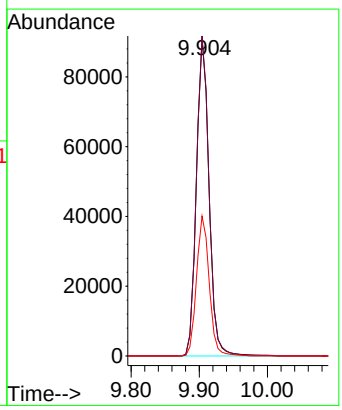


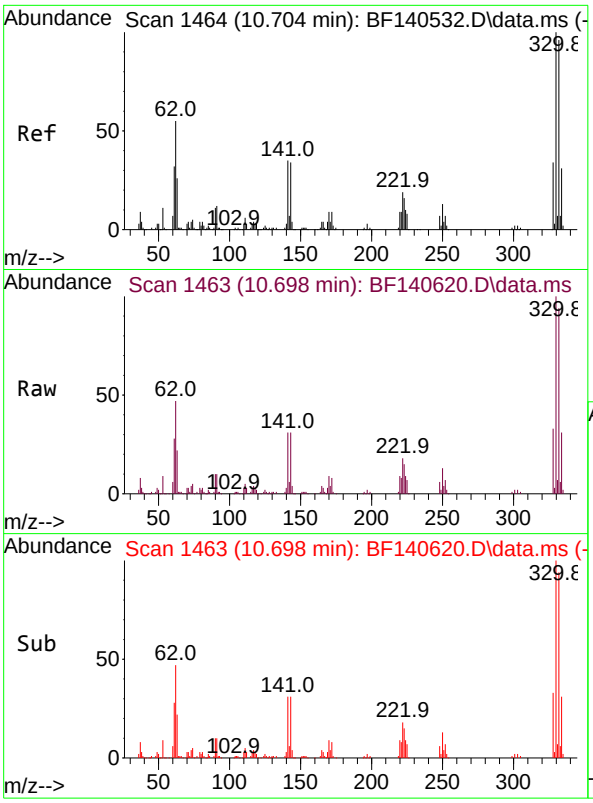


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Tgt Ion:164 Resp: 117690

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.1	36.2	54.4



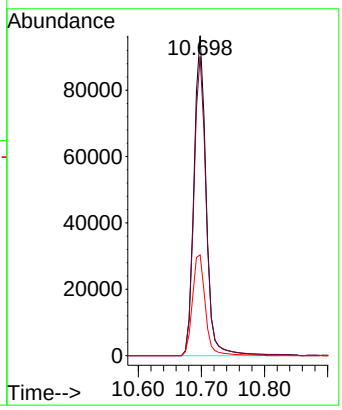


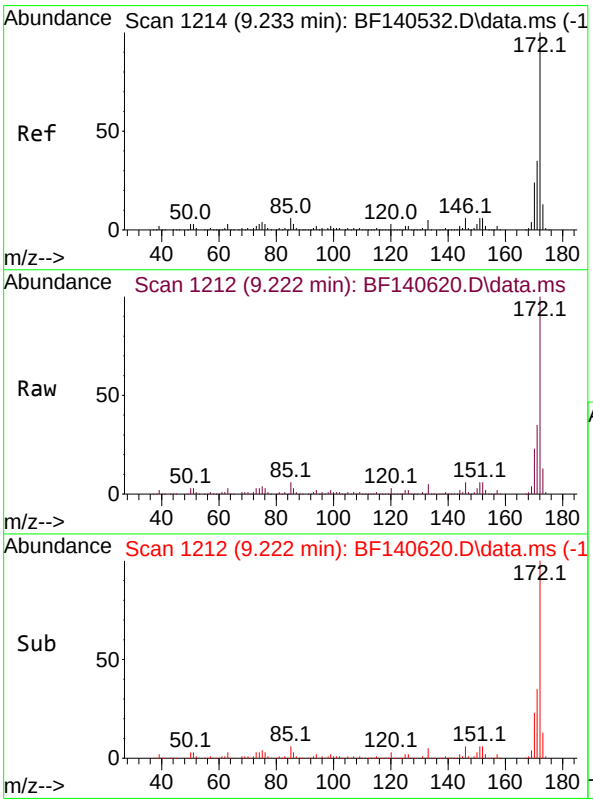
#42
2,4,6-Tribromophenol
Concen: 102.341 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Tgt Ion:330 Resp: 128817

Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.9	115.3
141	33.6	26.7	40.1

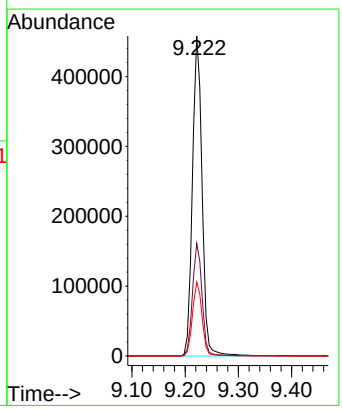


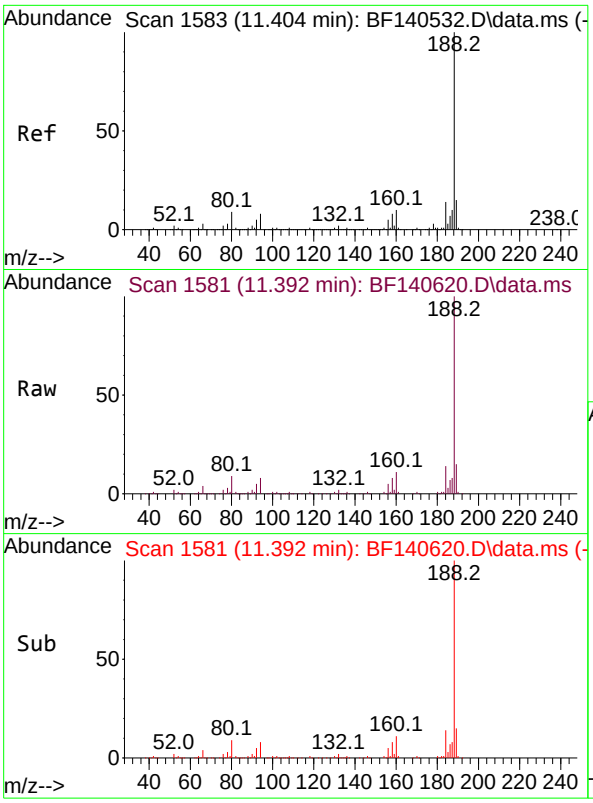


#45
2-Fluorobiphenyl
Concen: 73.245 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Tgt Ion:172 Resp: 578560

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.4	42.6
170	23.1	19.0	28.6



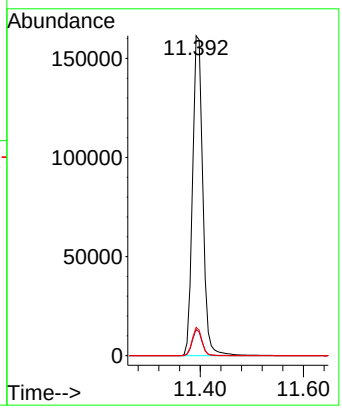


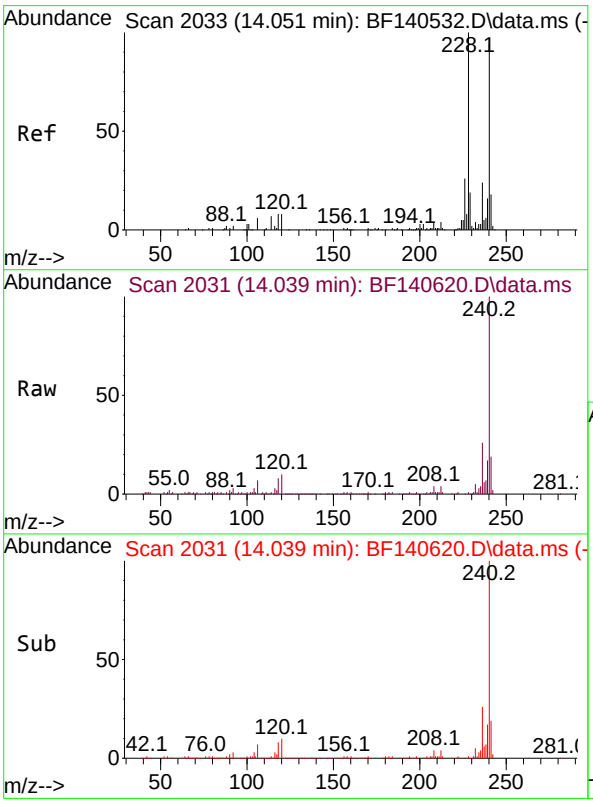
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Tgt Ion:188 Resp: 222510

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.4	9.6
80	8.8	6.9	10.3

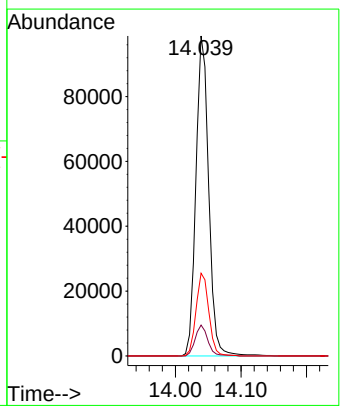


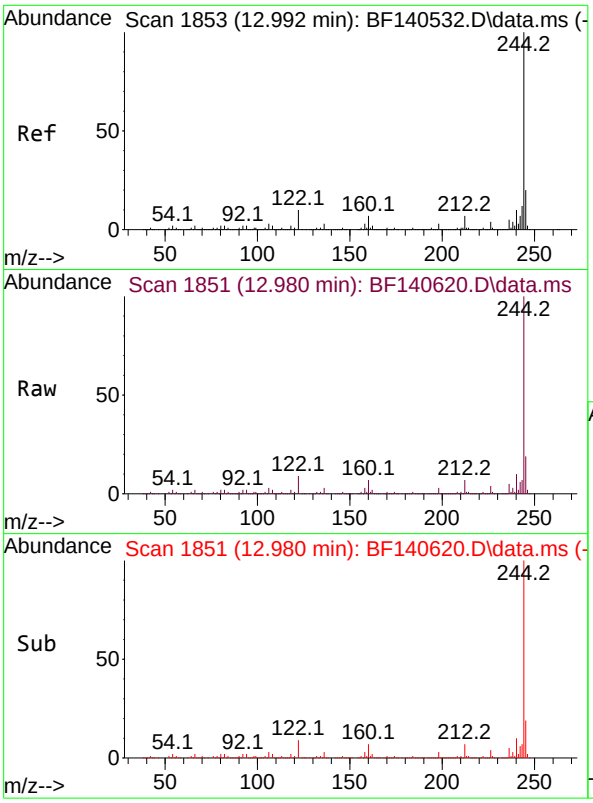


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Tgt Ion:240 Resp: 134073

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.3	10.9
236	25.8	20.6	31.0



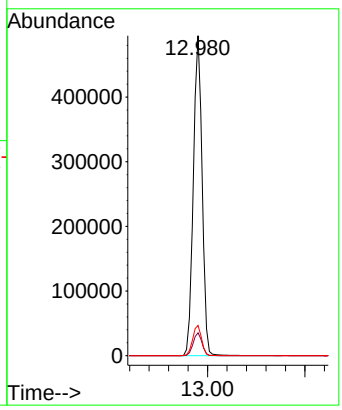


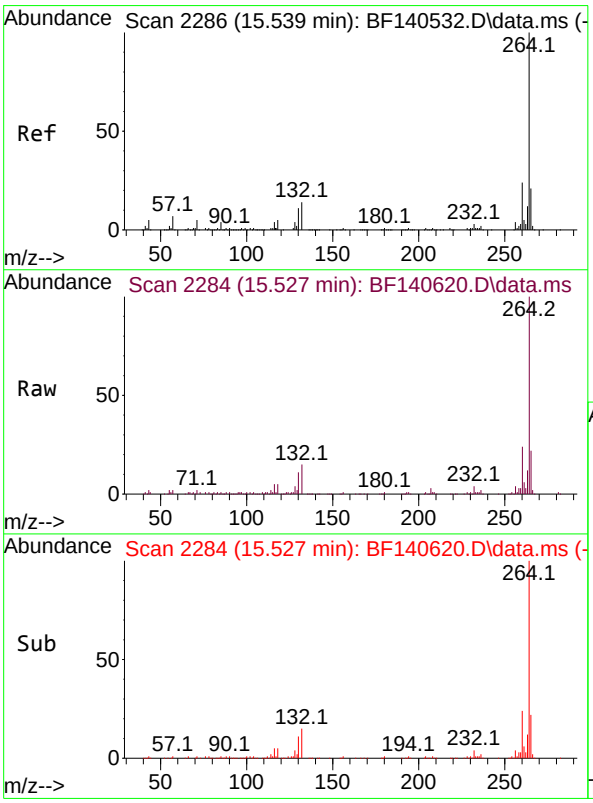
#79
Terphenyl-d14
Concen: 72.655 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Tgt Ion:244 Resp: 625576

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	9.5	8.0	12.0

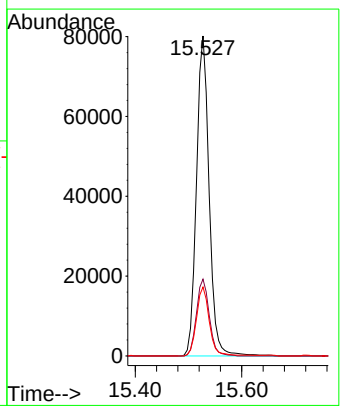




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Tgt Ion:264 Resp: 132029

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	21.6	16.6	25.0



Sample Results: **BF140620.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140620.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	504	509	520	rVB	22559	36099	2.20%	0.339%
2	5.493	573	578	600	rVB	924959	1254838	76.62%	11.779%
3	6.504	744	750	773	rBV	994270	1311890	80.10%	12.314%
4	6.869	807	812	821	rVB	288392	347691	21.23%	3.264%
5	7.428	902	907	920	rBV	630832	837662	51.15%	7.863%
6	8.151	1025	1030	1044	rBV	322172	428766	26.18%	4.025%
7	9.222	1207	1212	1223	rBV	1320324	1637791	100.00%	15.373%
8	9.904	1323	1328	1341	rBV	380756	484671	29.59%	4.549%
9	10.616	1444	1449	1457	rBV	78372	102573	6.26%	0.963%
10	10.698	1457	1463	1478	rBV	705269	967229	59.06%	9.079%
11	11.392	1576	1581	1590	rBV	385162	524003	31.99%	4.919%
12	11.916	1665	1670	1679	rBV	57249	96158	5.87%	0.903%
13	12.980	1845	1851	1856	rBV	1293919	1636377	99.91%	15.360%
14	13.545	1943	1947	1954	rBV5	8211	17501	1.07%	0.164%
15	13.904	2000	2008	2021	rBV6	22435	95499	5.83%	0.896%
16	14.010	2022	2026	2027	rVV	25739	30634	1.87%	0.288%
17	14.039	2027	2031	2048	rVB	277010	387992	23.69%	3.642%
18	14.880	2170	2174	2181	rVB	34165	47016	2.87%	0.441%
19	15.145	2216	2219	2225	rVB	14813	20609	1.26%	0.193%
20	15.527	2278	2284	2293	rBV	217145	348691	21.29%	3.273%
21	16.427	2433	2437	2445	rBV8	21896	39657	2.42%	0.372%

Sum of corrected areas: 10653347

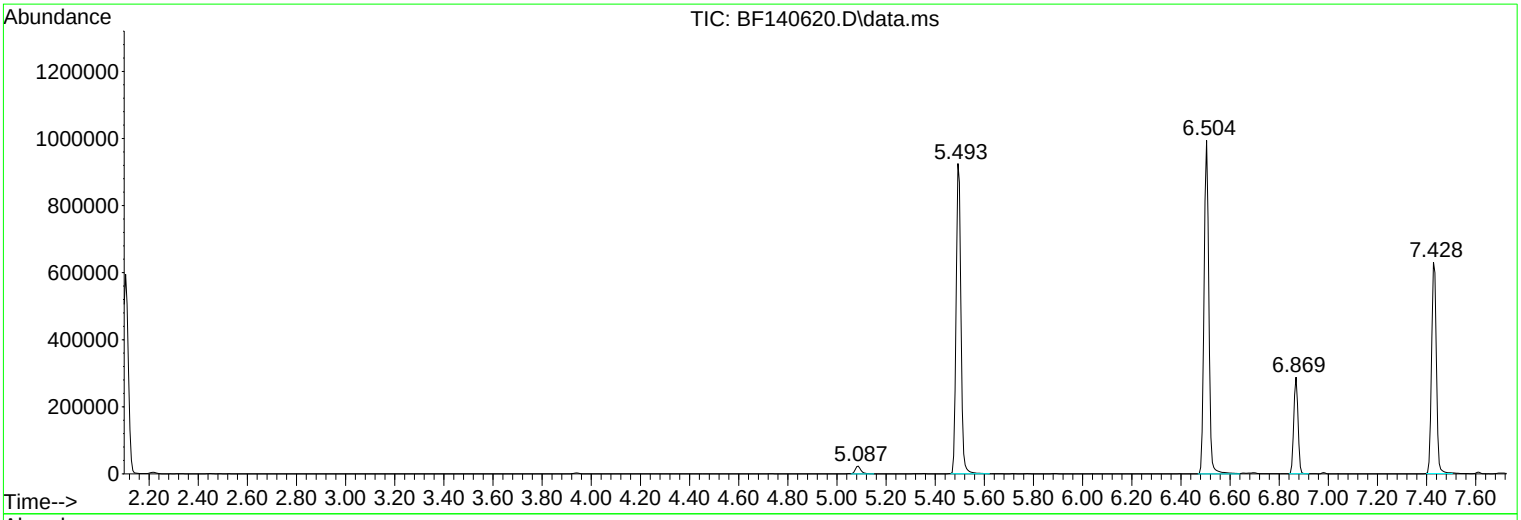
Sample Results: **BF140620.D**

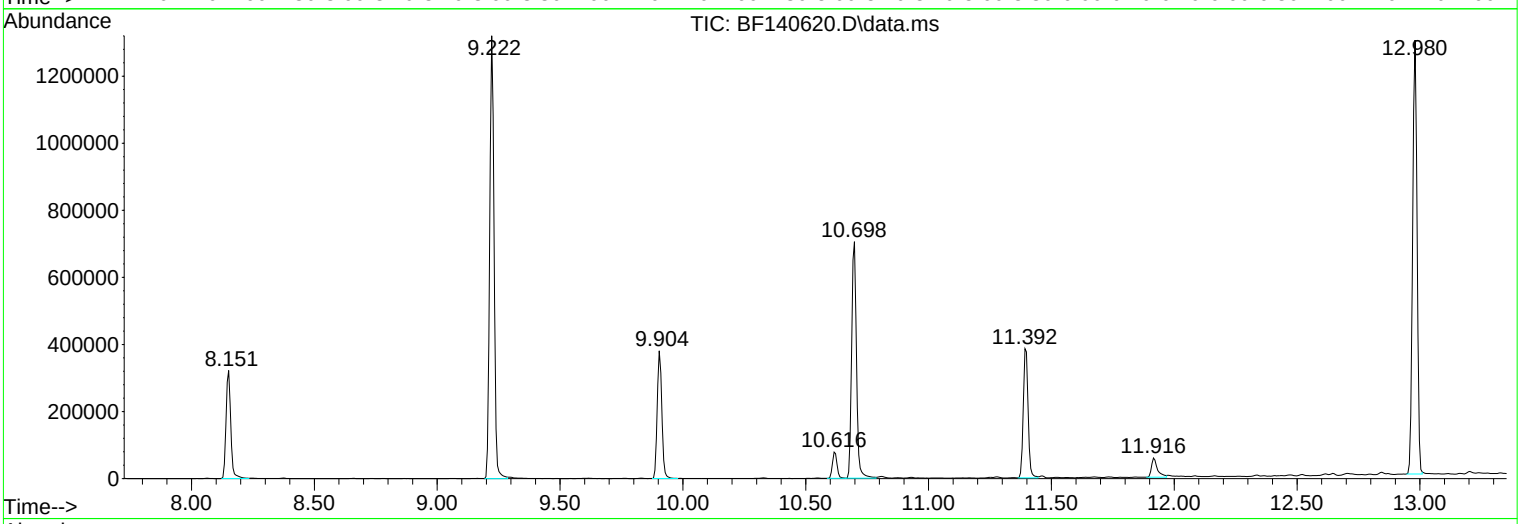
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

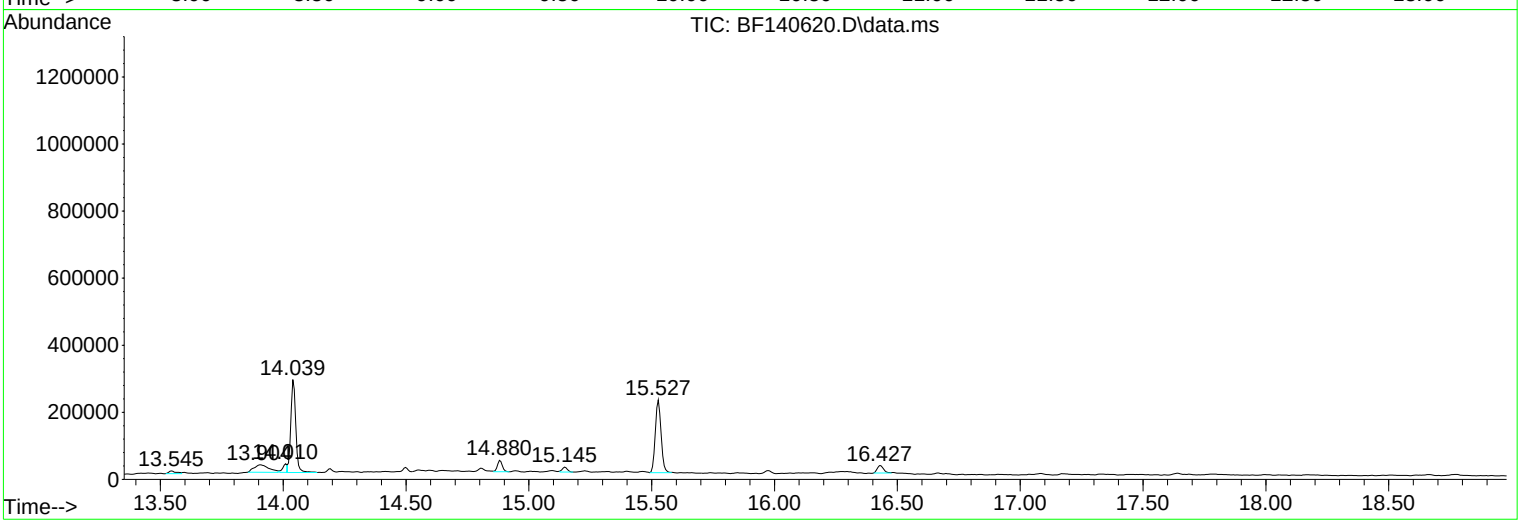
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

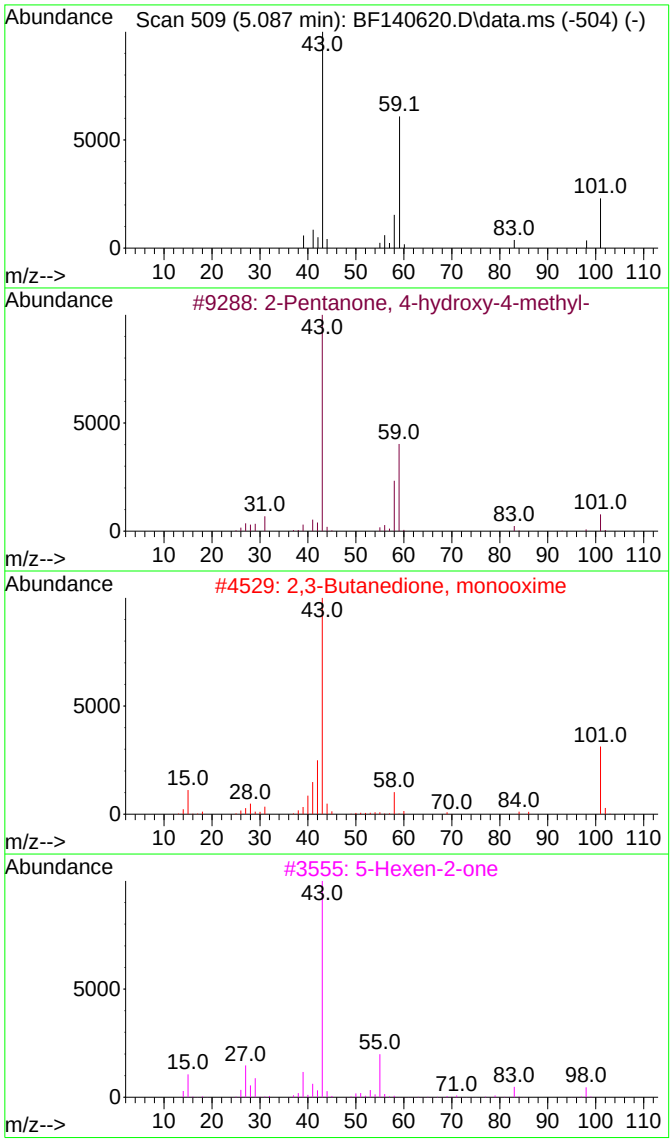
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TIC Integration Parameters: LSCINT.P

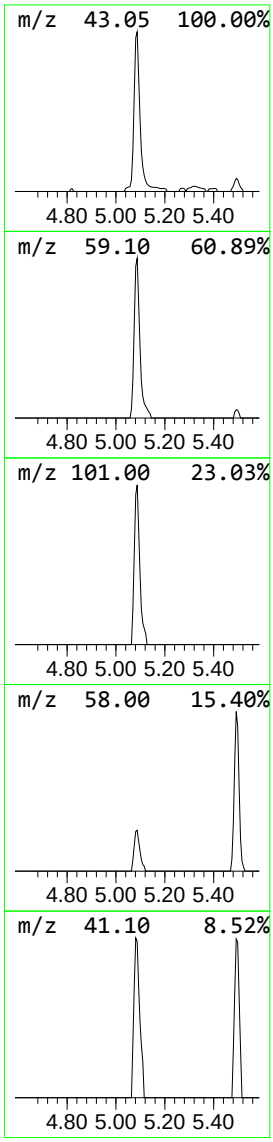
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	2.08 ng	36099	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	32
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	3-Octanol	130	C8H18O	000589-98-0	9
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

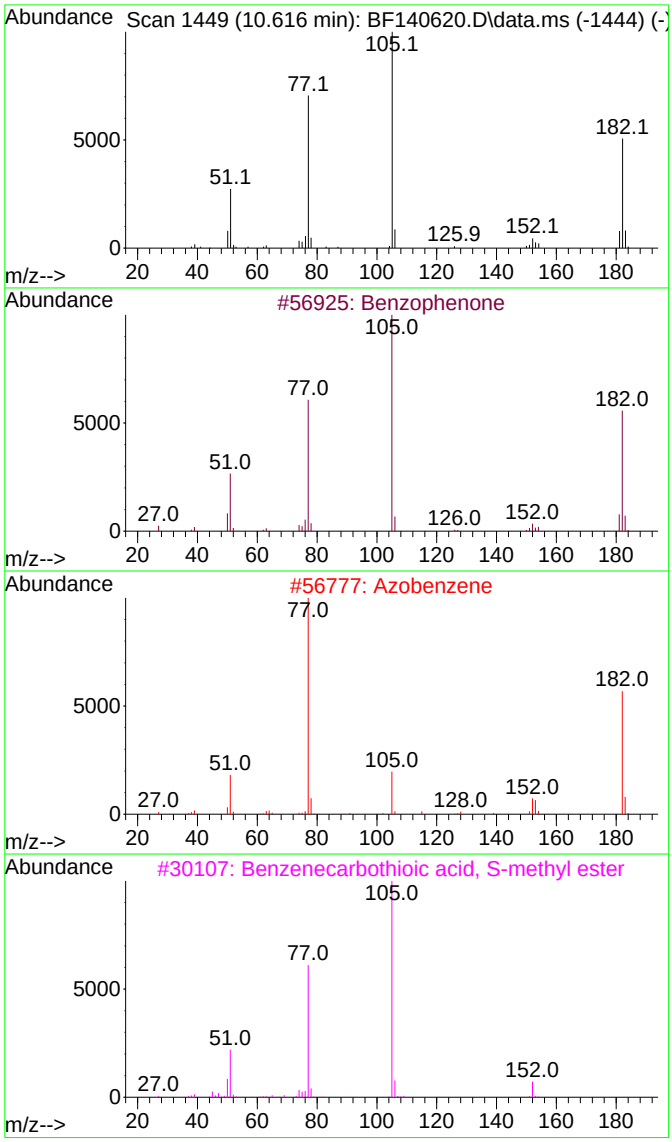
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TIC Integration Parameters: LSCINT.P

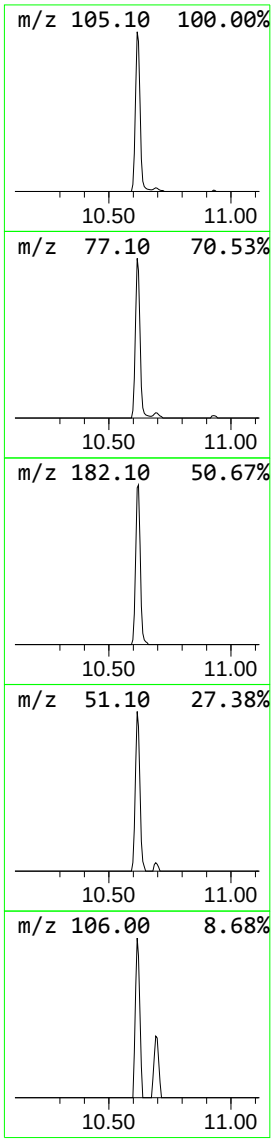
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Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	4.23 ng	102573	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
4	2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	47
5	N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

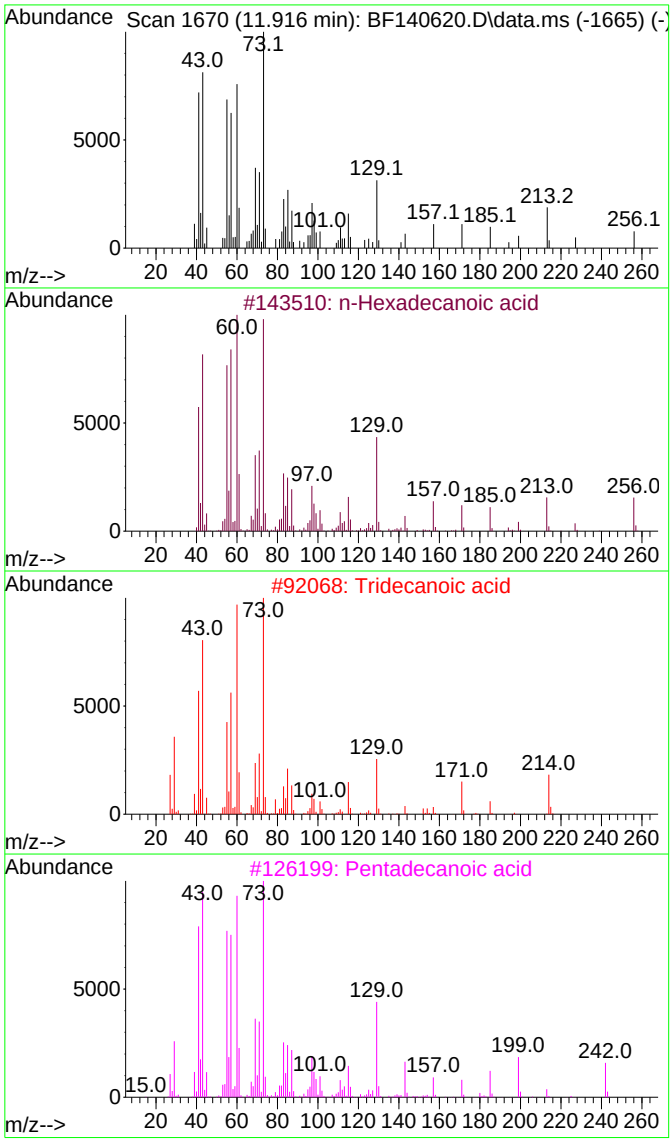
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

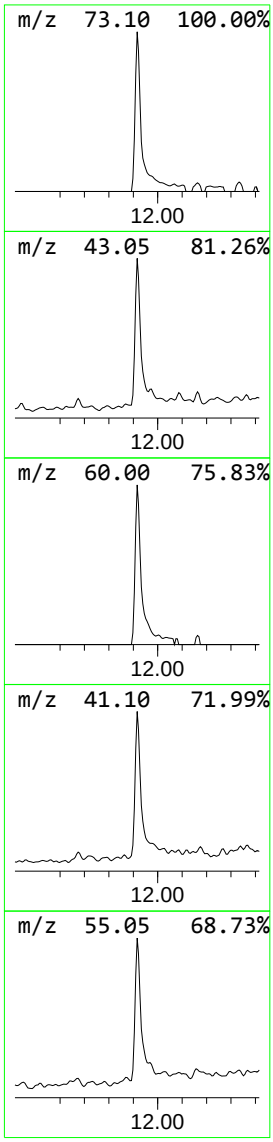
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	3.67 ng	96158	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

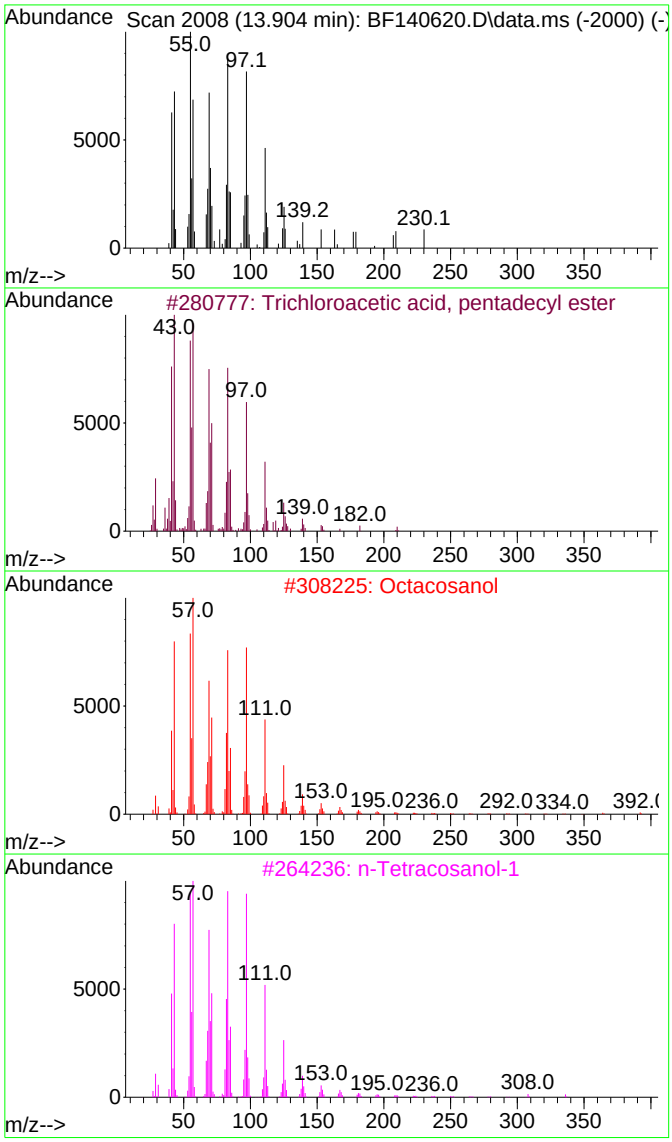
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TIC Integration Parameters: LSCINT.P

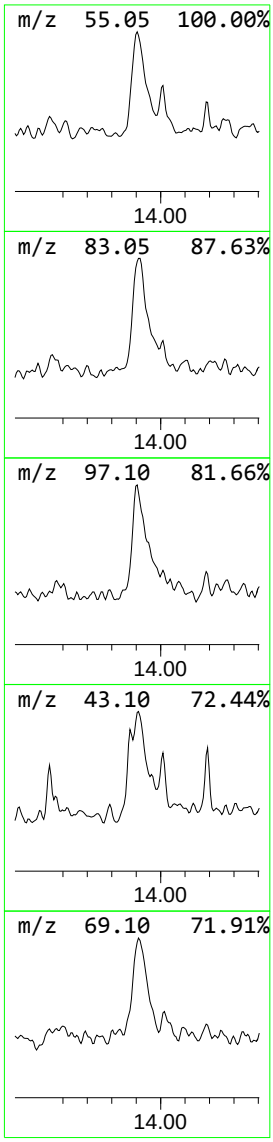
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Peak Number 4 Trichloroacetic acid, penta... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	4.92 ng	95499	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	90
2	Octacosanol	410	C28H58O	000557-61-9	87
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	87
4	1-Tetracosene	336	C24H48	010192-32-2	87
5	1-Docosene	308	C22H44	001599-67-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

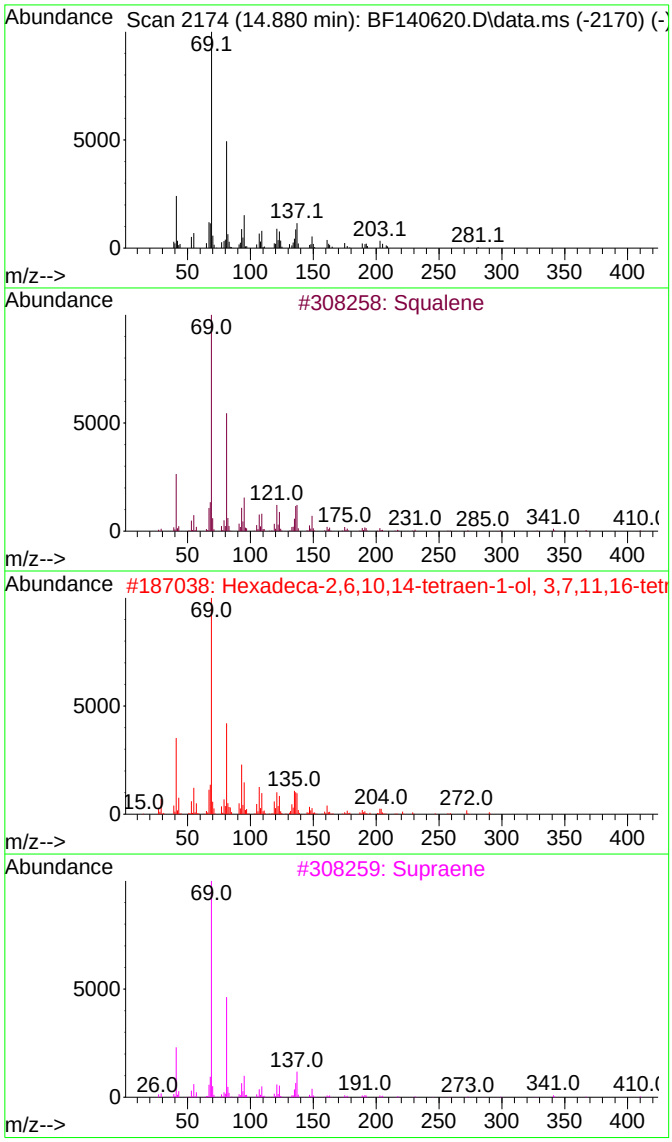
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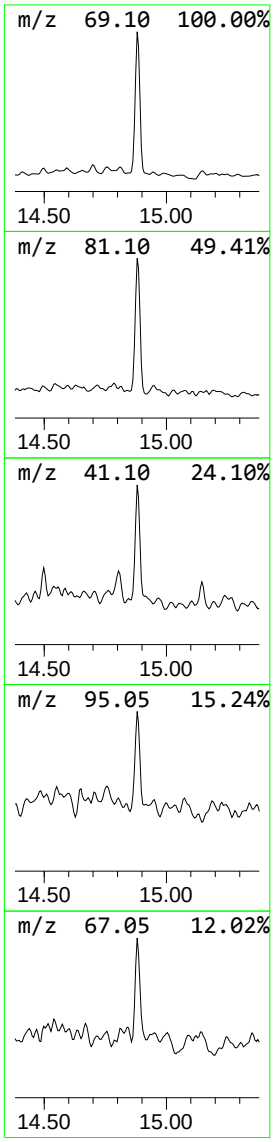
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Peak Number 5 Squalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.880	2.70 ng	47016	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	90
2	Hexadeca-2,6,10,14-tetraen-1-ol,...	290	C20H34O	007614-21-3	83
3	Supraene	410	C30H50	007683-64-9	83
4	trans-Farnesol	222	C15H26O	000106-28-5	72
5	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

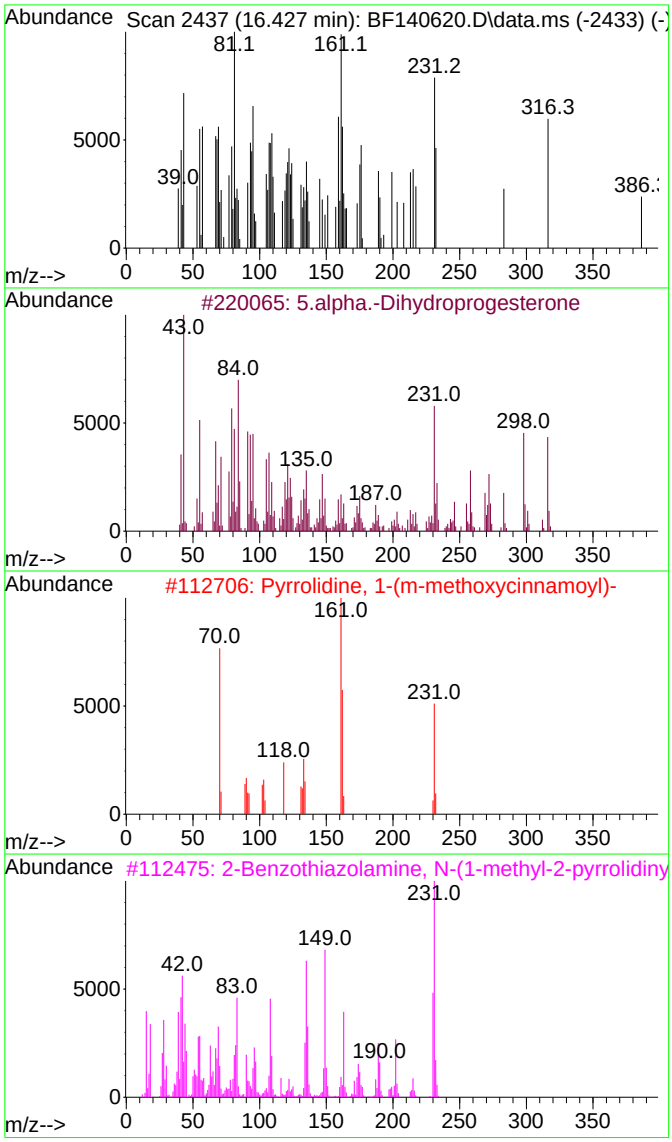
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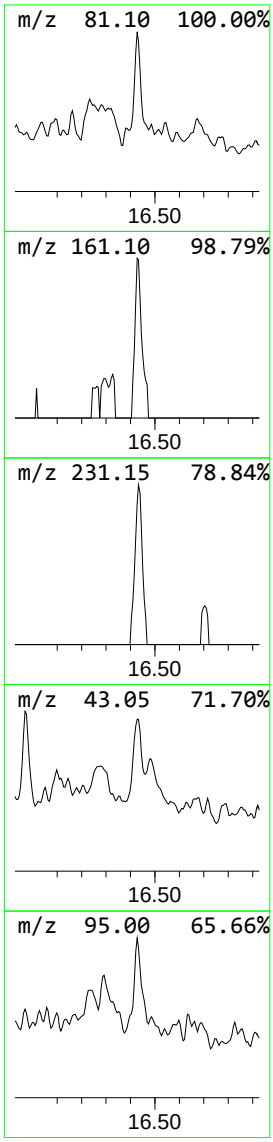
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Peak Number 6 unknown16.427 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.427	2.27 ng	39657	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5.alpha.-Dihydroprogesterone	316	C21H32O2	000566-65-4	47
2	Pyrrolidine, 1-(m-methoxycinnamo...	231	C14H17NO2	029647-01-6	35
3	2-Benzothiazolamine, N-(1-methyl...	231	C12H13N3S	084859-07-4	25
4	Pregn-5-en-20-one, 3-hydroxy-	316	C21H32O2	038372-24-6	25
5	4-Methyl-2-(3-methyl-but-2-enyli...	176	C11H16N2	1000185-91-3	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	2.1	ng	36099	1	6.869	347691	20.0
Benzophenone	10.616	4.2	ng	102573	3	9.904	484671	20.0
n-Hexadecanoic ...	11.916	3.7	ng	96158	4	11.392	524003	20.0
Trichloroacetic...	13.904	4.9	ng	95499	5	14.039	387992	20.0
Squalene	14.880	2.7	ng	47016	6	15.527	348691	20.0
unknown16.427	16.427	2.3	ng	39657	6	15.527	348691	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Time: Nov 22 16:39:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

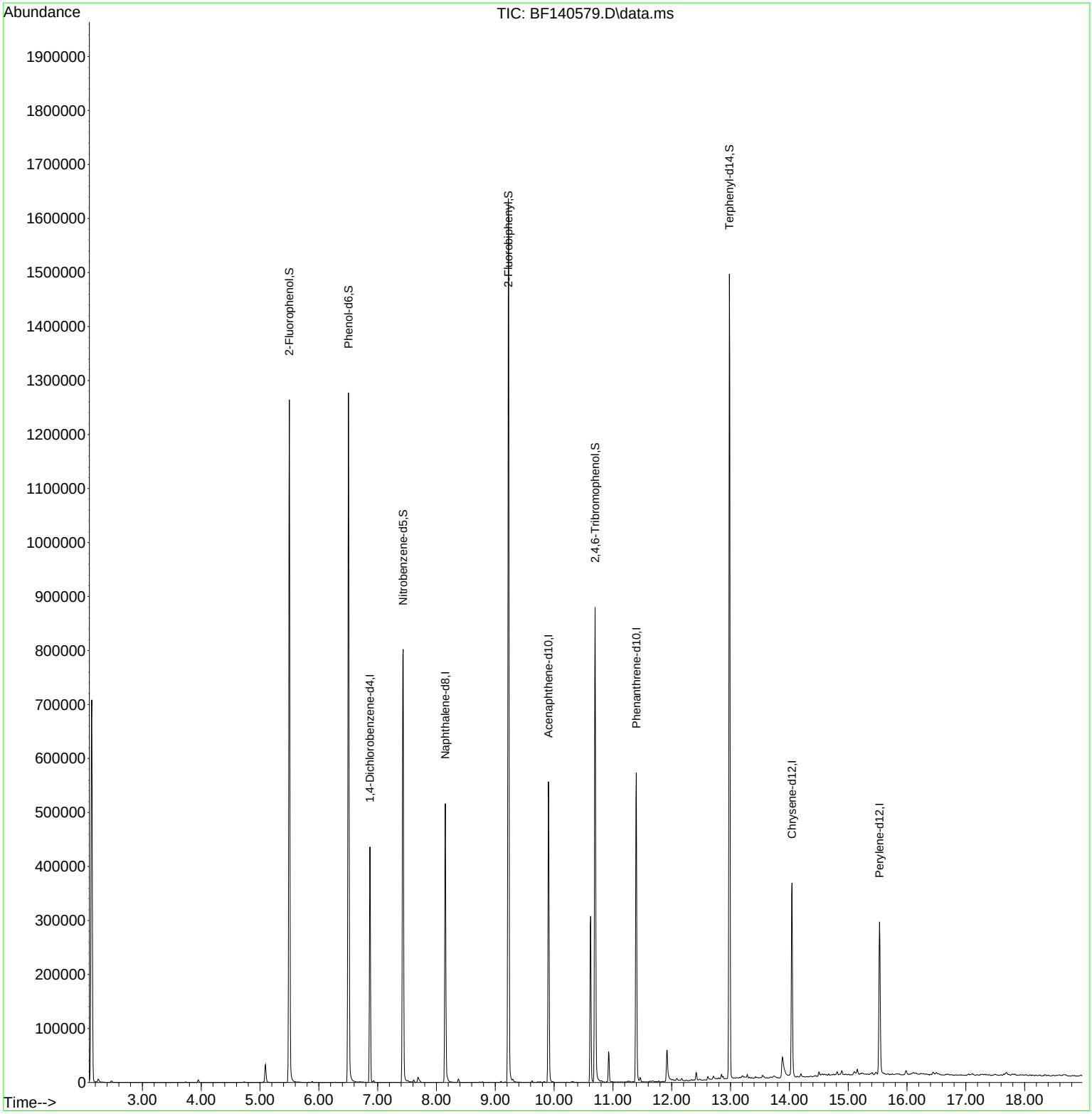
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	90927	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	332795	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	173346	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	323538	20.000	ng	0.00
76) Chrysene-d12	14.045	240	178379	20.000	ng	0.00
86) Perylene-d12	15.533	264	173467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	465203	87.293	ng	0.00
7) Phenol-d6	6.504	99	595143	84.474	ng	-0.01
23) Nitrobenzene-d5	7.433	82	386935	59.472	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	152697	82.363	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	740960	63.687	ng	-0.01
79) Terphenyl-d14	12.980	244	728599	63.602	ng	-0.01
Target Compounds						Qvalue

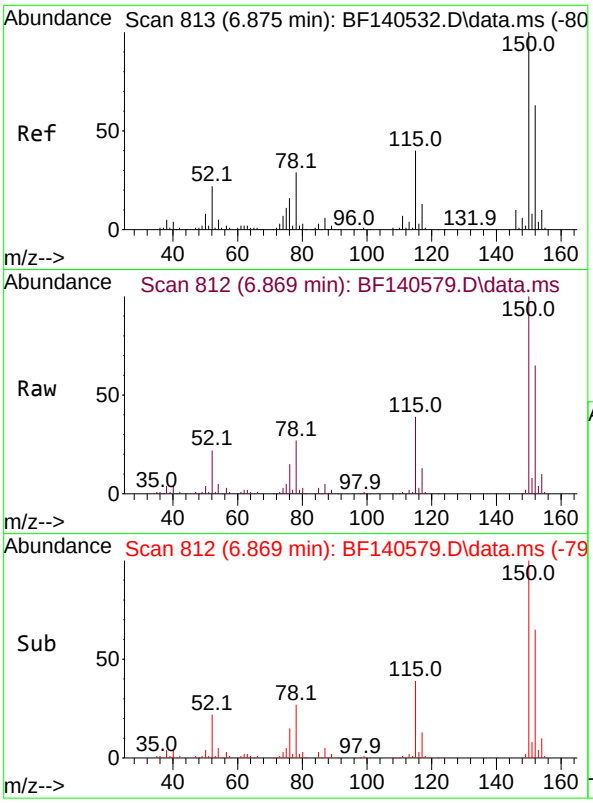
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Time: Nov 22 16:39:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



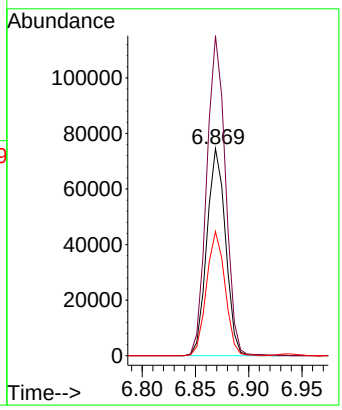


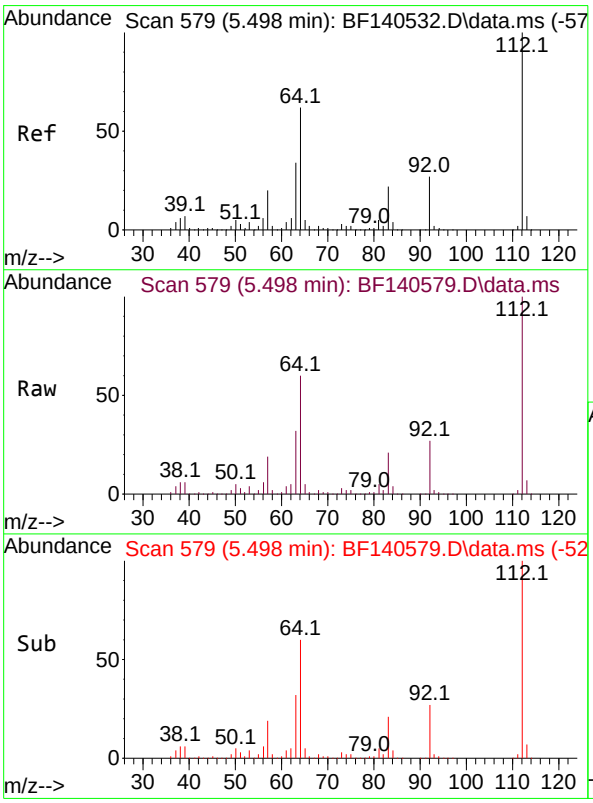
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Tgt Ion:152 Resp: 90927

Ion	Ratio	Lower	Upper
152	100		
150	154.4	128.5	192.7
115	59.9	50.2	75.4

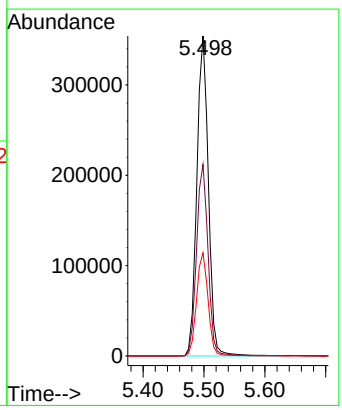


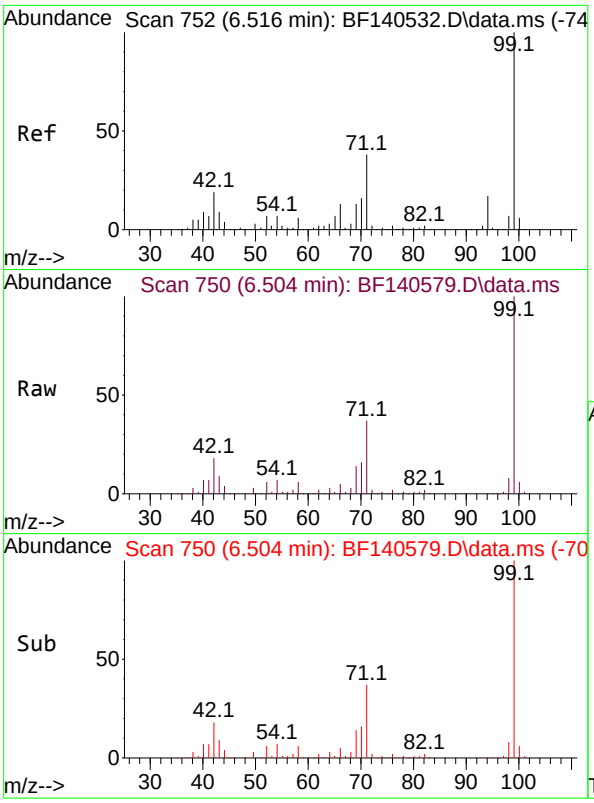


#5
2-Fluorophenol
Concen: 87.293 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Tgt Ion:112 Resp: 465203

Ion	Ratio	Lower	Upper
112	100		
64	59.9	49.2	73.8
63	32.2	27.0	40.4



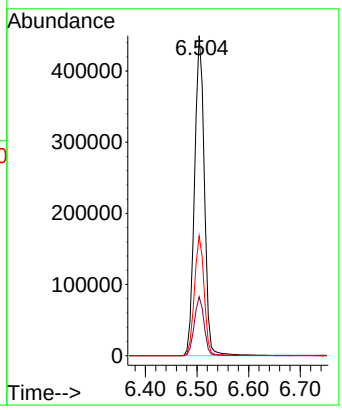


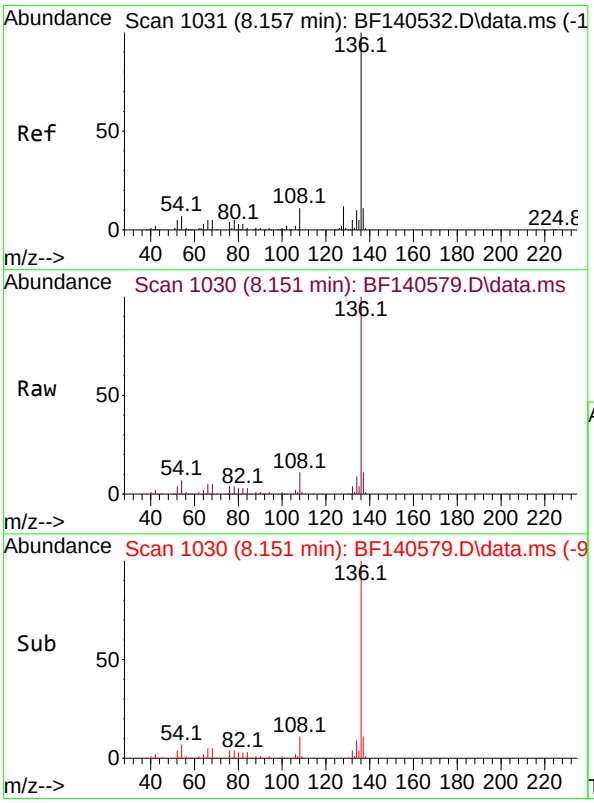
#7
Phenol-d6
Concen: 84.474 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Tgt Ion: 99 Resp: 595143

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.4	23.0
71	37.5	30.6	46.0

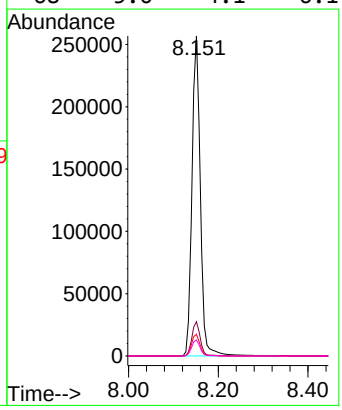


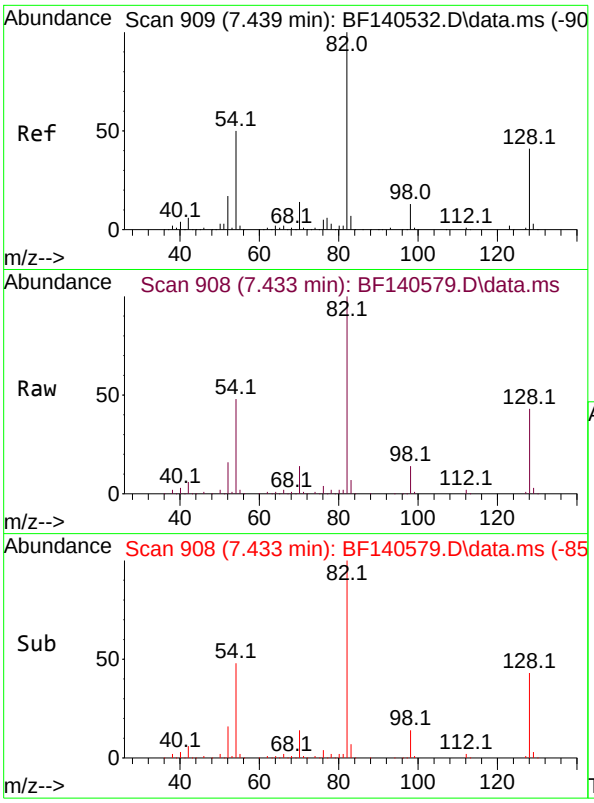


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Tgt Ion:136 Resp: 332795

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	6.7	5.8	8.8
68	5.0	4.1	6.1



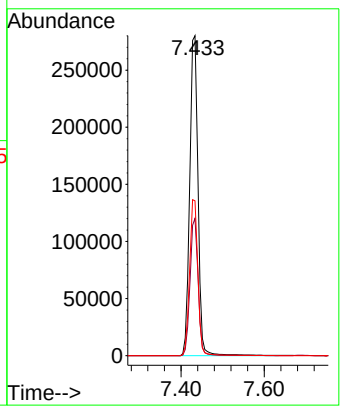


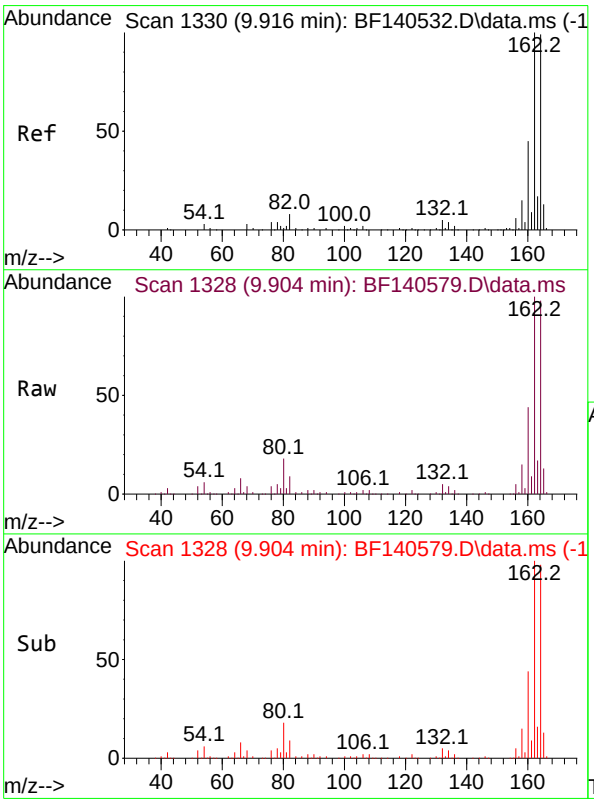
#23
Nitrobenzene-d5
Concen: 59.472 ng
RT: 7.433 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Tgt Ion: 82 Resp: 386935

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.0	49.4
54	48.4	39.5	59.3

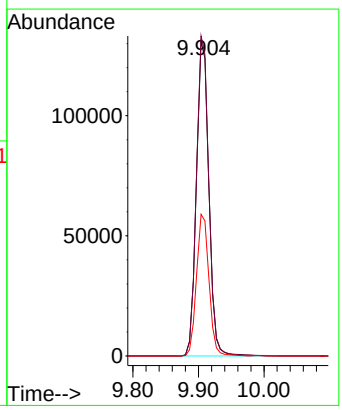


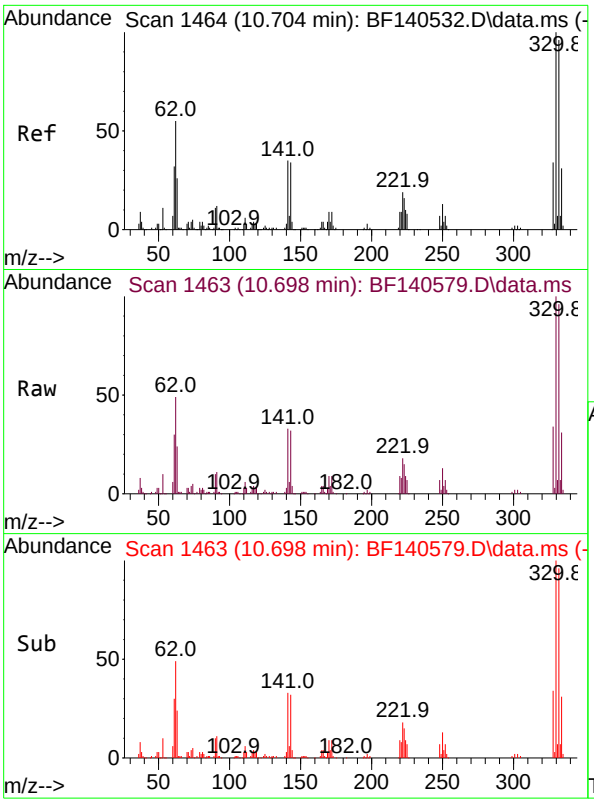


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Tgt Ion:164 Resp: 173346

Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	45.0	36.2	54.4



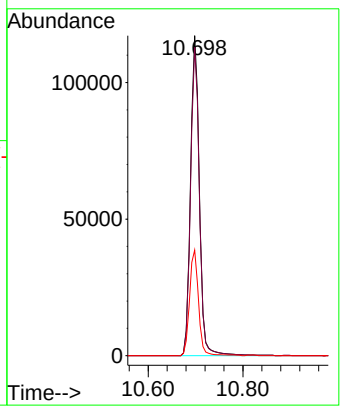


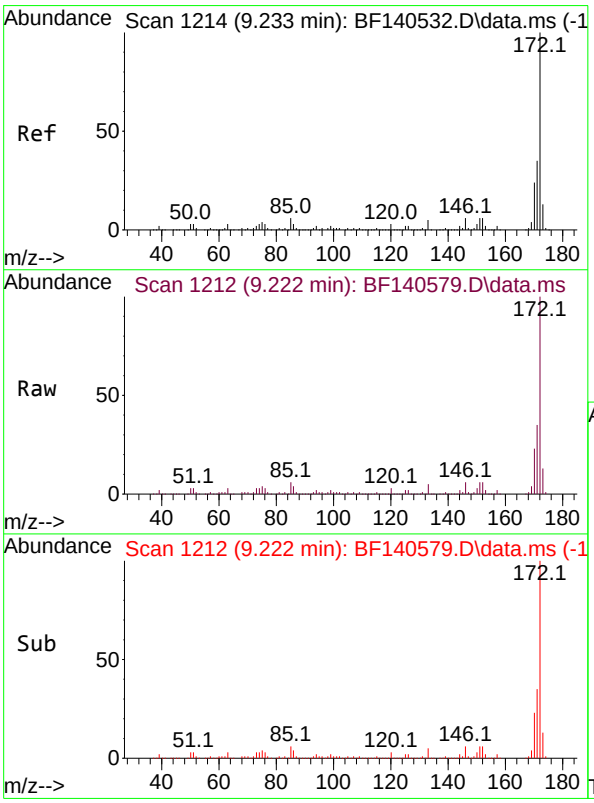
#42
2,4,6-Tribromophenol
Concen: 82.363 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Tgt Ion:330 Resp: 152697

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.9	115.3
141	33.3	26.7	40.1

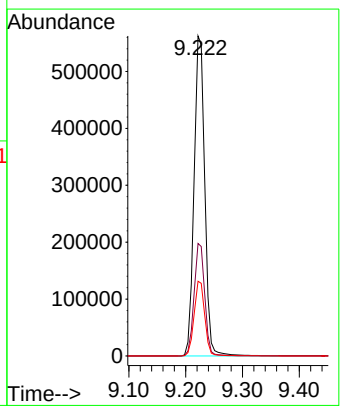


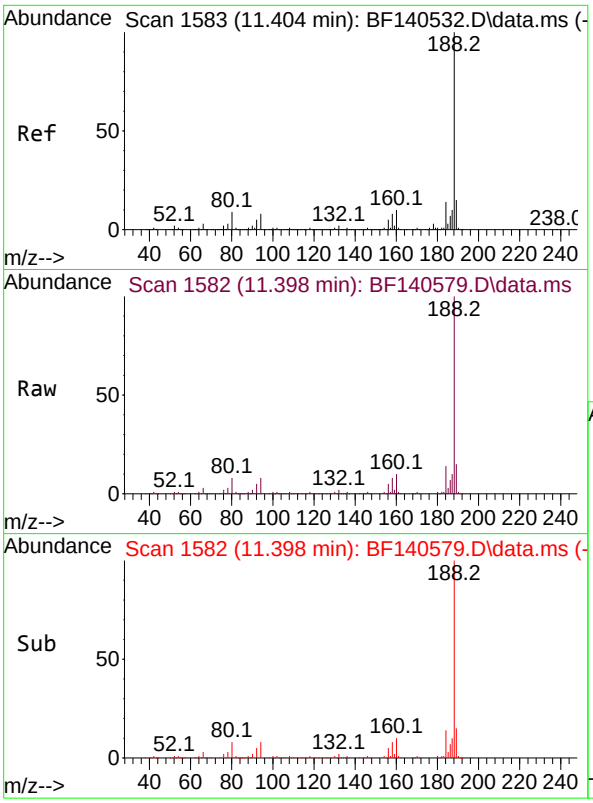


#45
2-Fluorobiphenyl
Concen: 63.687 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Tgt Ion:172 Resp: 740960

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.4	42.6
170	23.4	19.0	28.6



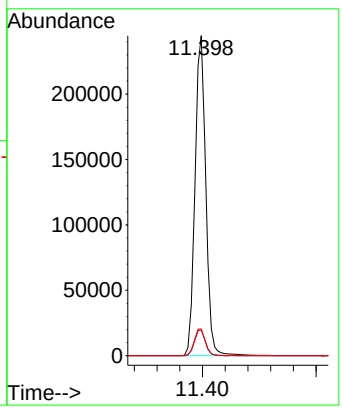


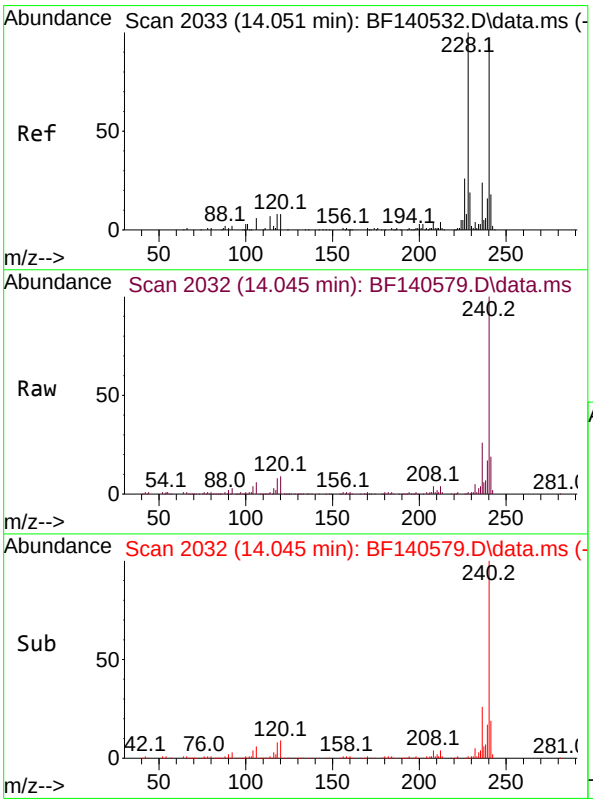
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Tgt Ion:188 Resp: 323538

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.4	9.6
80	8.4	6.9	10.3

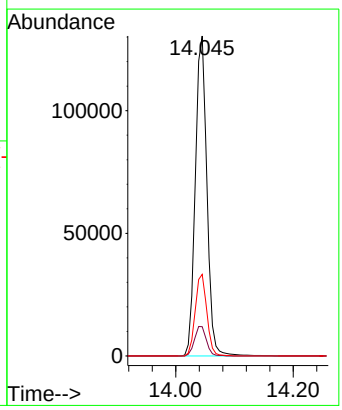


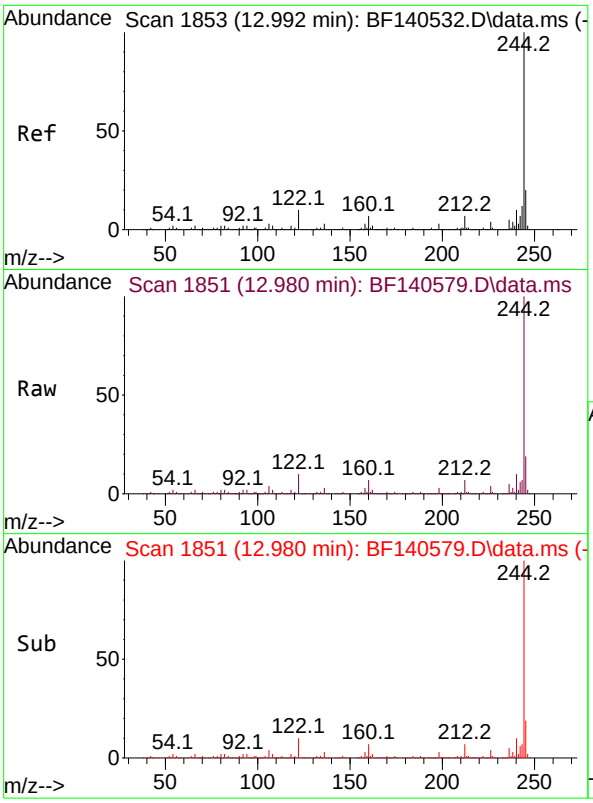


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Tgt Ion:240 Resp: 178379

Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.3	10.9
236	25.5	20.6	31.0



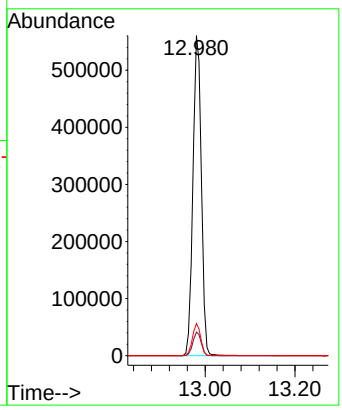


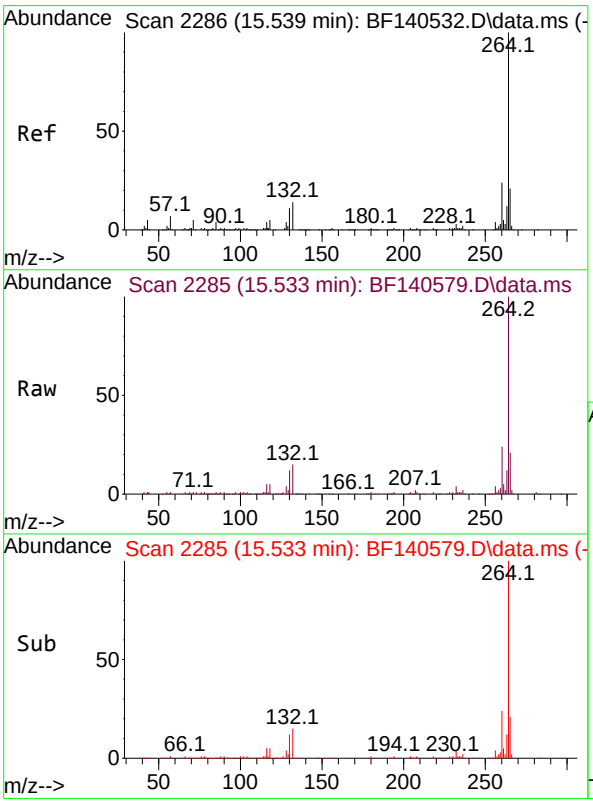
#79
Terphenyl-d14
Concen: 63.602 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Tgt Ion:244 Resp: 728599

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	10.1	8.0	12.0

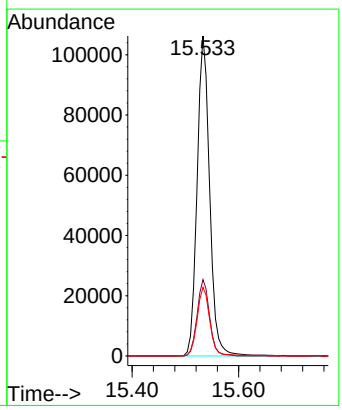




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Tgt Ion:264 Resp: 173467

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.5	16.6	25.0



Sample Results: **BF140579.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140579.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	3	8	20	rVB	707599	1103213	52.21%	7.313%
2	5.092	505	510	528	rVB	32758	51929	2.46%	0.344%
3	5.498	573	579	595	rBV	1264340	1653146	78.23%	10.959%
4	6.504	744	750	775	rBV	1277387	1701092	80.50%	11.277%
5	6.869	807	812	817	rBV	436223	527129	24.95%	3.494%
6	7.433	902	908	918	rBV	802147	1091626	51.66%	7.237%
7	8.151	1025	1030	1043	rBV	516142	661196	31.29%	4.383%
8	9.222	1207	1212	1223	rBV	1636169	2113056	100.00%	14.008%
9	9.904	1323	1328	1338	rBV	556974	727216	34.42%	4.821%
10	10.622	1445	1450	1458	rBV	307943	393829	18.64%	2.611%
11	10.698	1458	1463	1477	rVV	878509	1139149	53.91%	7.552%
12	10.927	1498	1502	1510	rVB	56202	69995	3.31%	0.464%
13	11.398	1576	1582	1590	rBV	572404	756935	35.82%	5.018%
14	11.921	1666	1671	1683	rBV	57751	105011	4.97%	0.696%
15	12.980	1846	1851	1863	rBV	1489582	1916845	90.71%	12.707%
16	13.880	1999	2004	2020	rBV2	37395	110142	5.21%	0.730%
17	14.045	2026	2032	2044	rVB	359717	502374	23.77%	3.330%
18	15.533	2279	2285	2303	rVB	282440	460815	21.81%	3.055%

Sum of corrected areas: 15084698

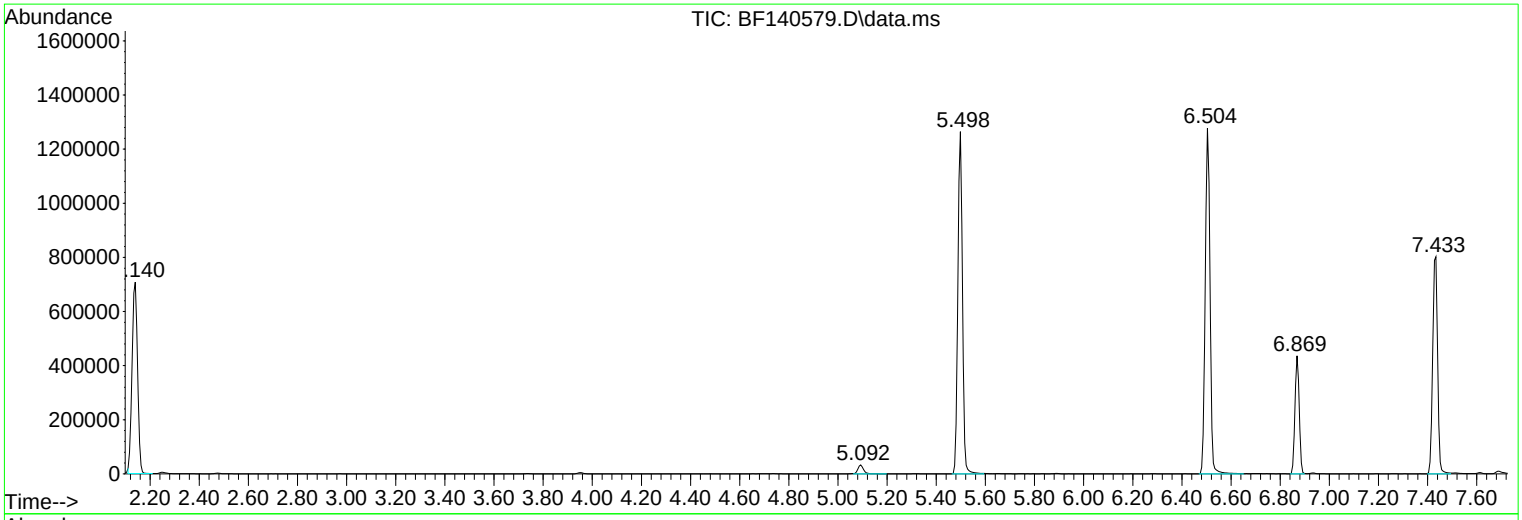
Sample Results: **BF140579.D**

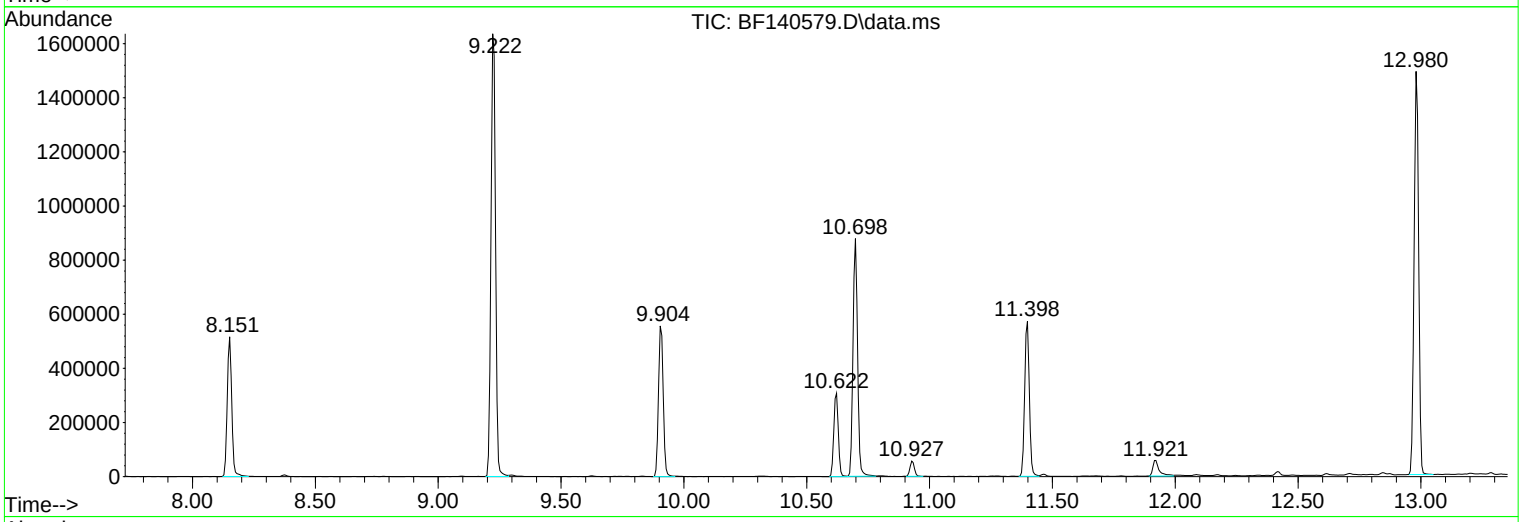
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

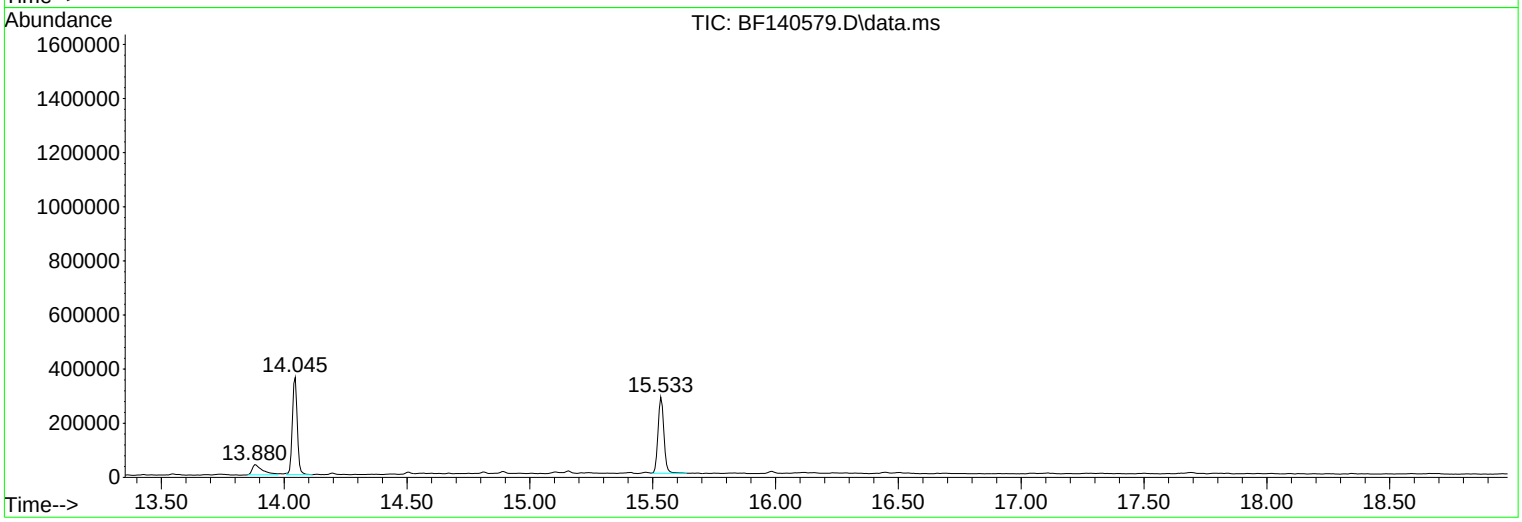
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

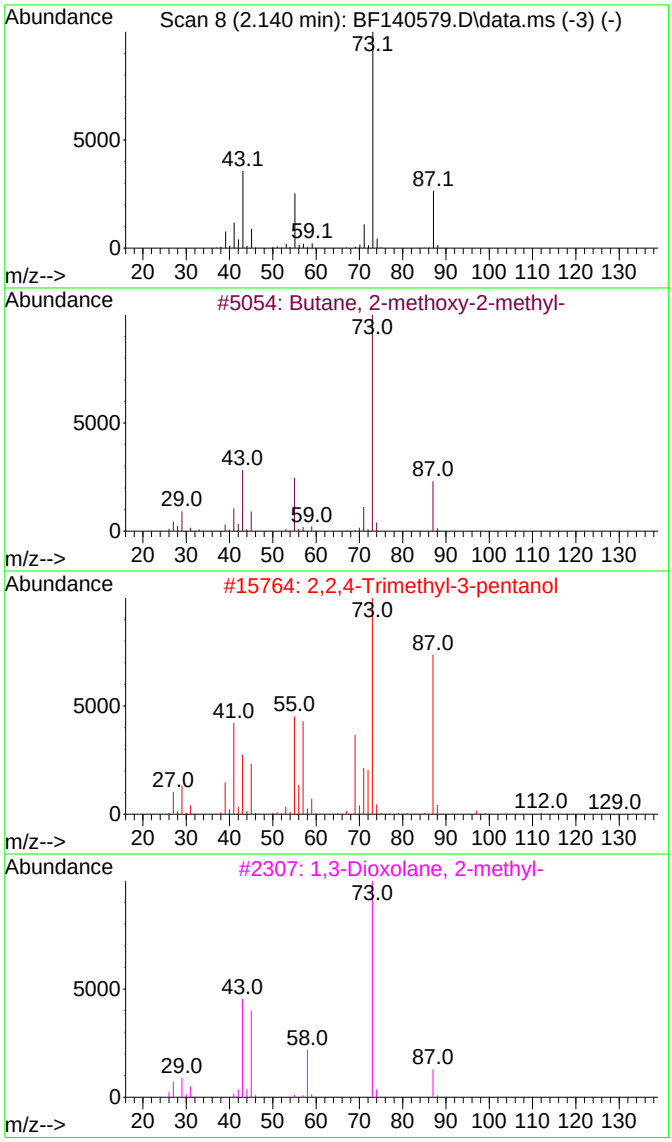
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TIC Integration Parameters: LSCINT.P

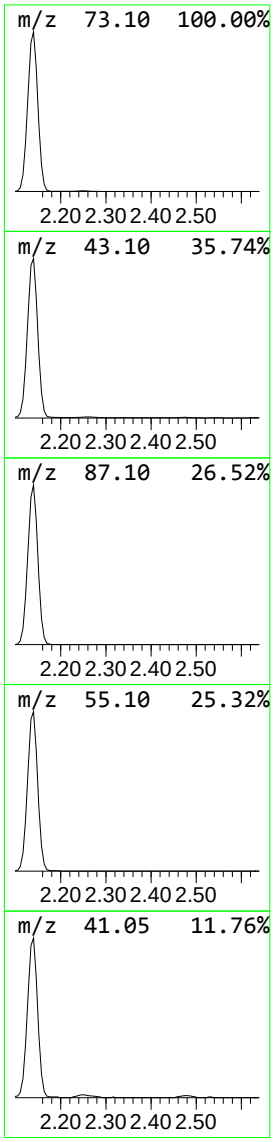
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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	41.86 ng	1103210	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

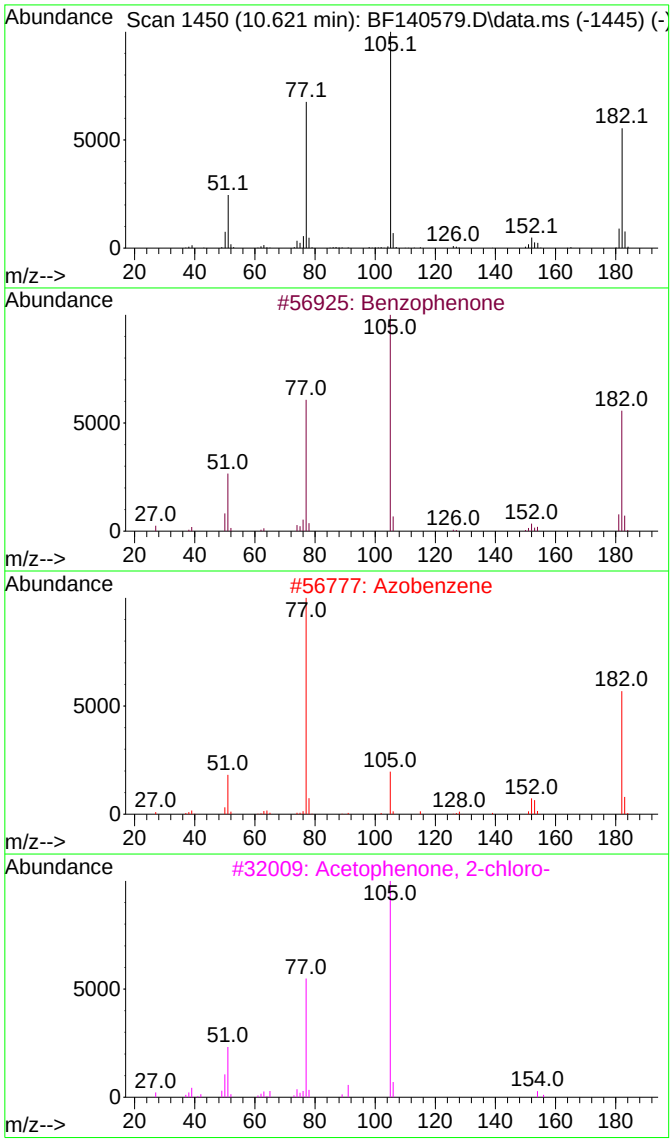
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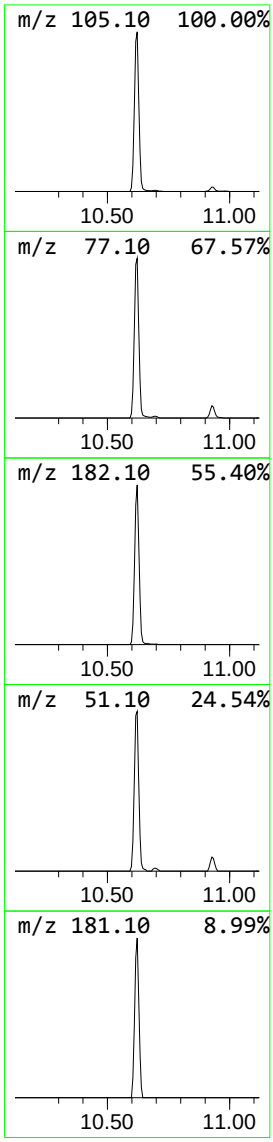
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Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.621	10.83 ng	393829	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	64
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	47
4	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47
5	Ethanone, 2,2,2-trifluoro-1-phenyl-	174	C8H5F3O	000434-45-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

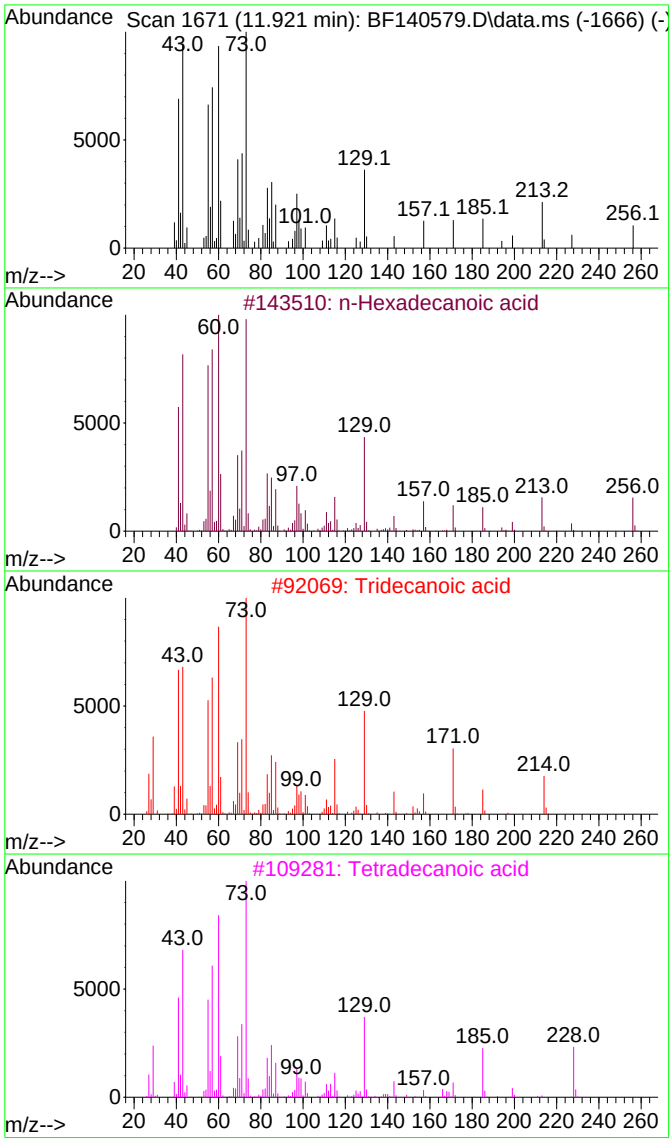
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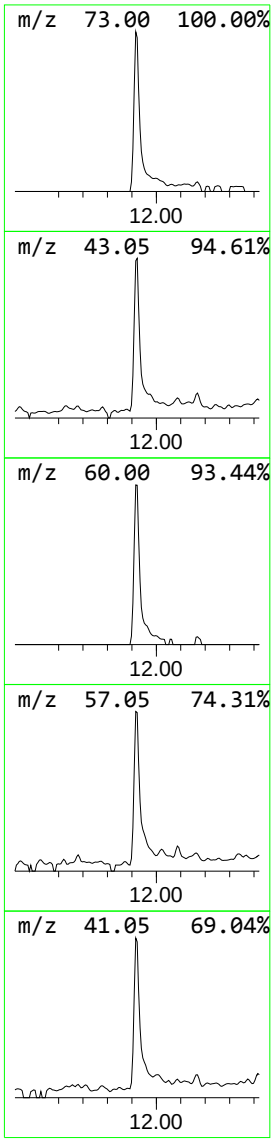
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.921	2.77 ng	105011	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
5	Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	20





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

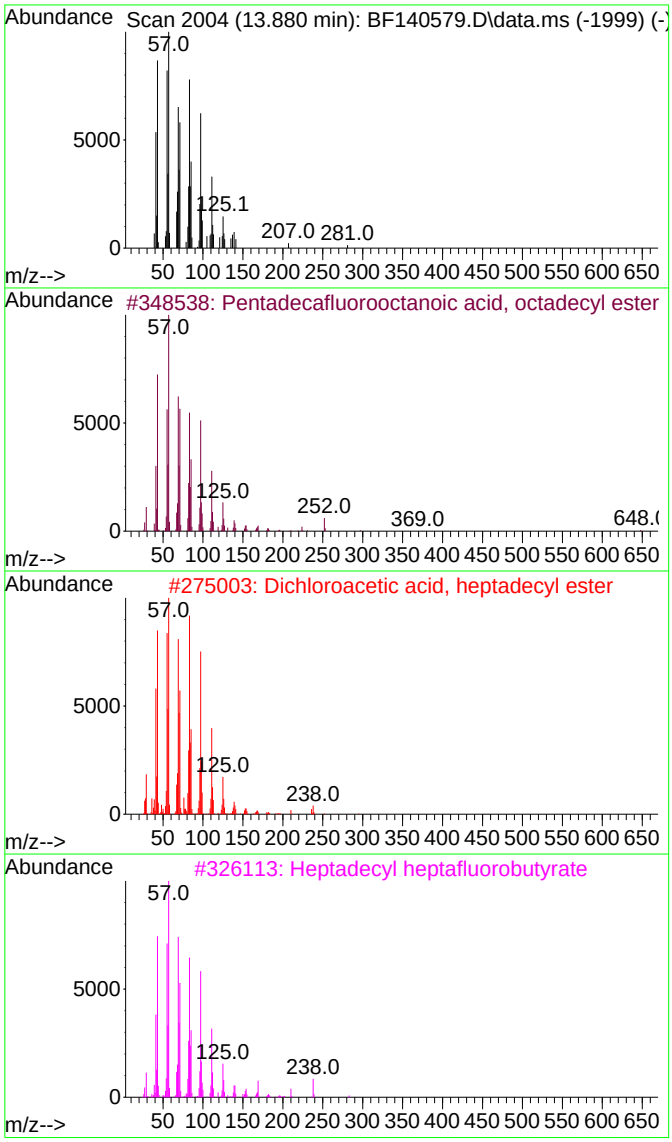
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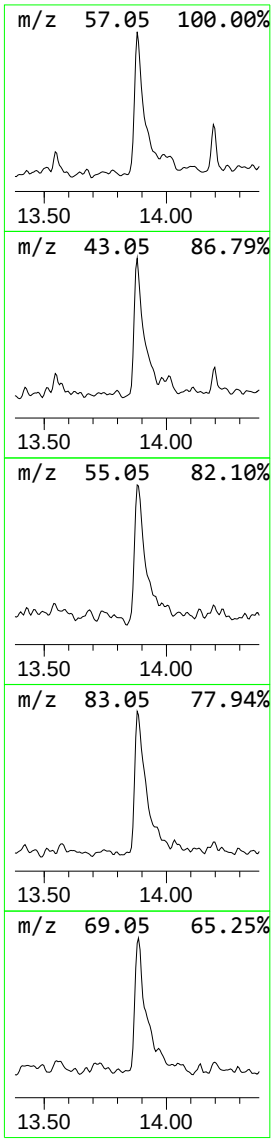
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Peak Number 4 Pentadecafluorooctanoic aci... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	4.38 ng	110142	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
5	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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...	2.140	41.9	ng	1103210	1	6.869	527129	20.0
Benzophenone	10.621	10.8	ng	393829	3	9.904	727216	20.0
n-Hexadecanoic ...	11.921	2.8	ng	105011	4	11.398	756935	20.0
Pentadecafluoro...	13.880	4.4	ng	110142	5	14.045	502374	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Quant Time: Nov 26 00:10:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

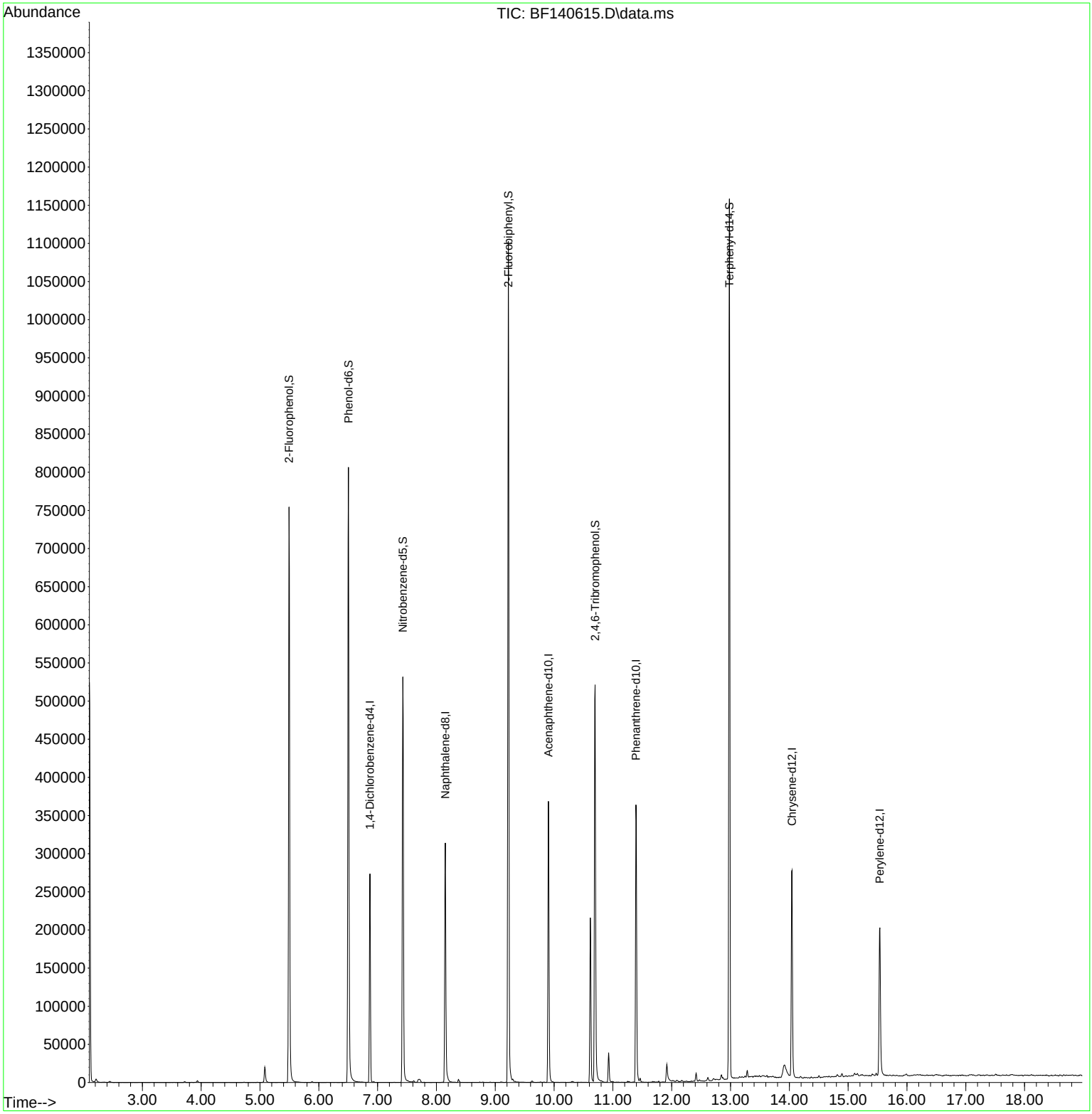
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	56272	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	212229	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	114630	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	214306	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	141699	20.000	ng	0.00
86) Perylene-d12	15.539	264	130450	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	286741	86.942	ng	0.00
7) Phenol-d6	6.504	99	381998	87.612	ng	-0.01
23) Nitrobenzene-d5	7.428	82	249525	60.139	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	96841	78.991	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	483489	62.843	ng	-0.01
79) Terphenyl-d14	12.980	244	554437	60.927	ng	-0.01
Target Compounds						Qvalue

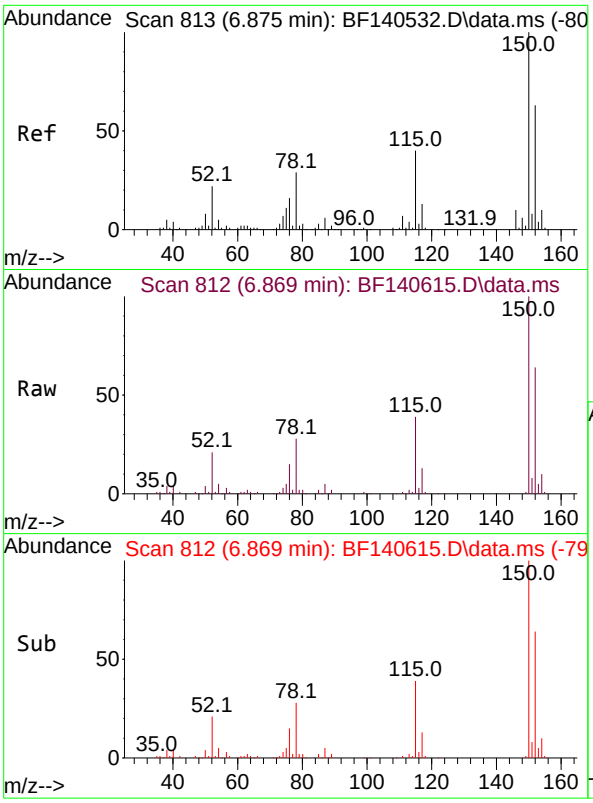
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Quant Time: Nov 26 00:10:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



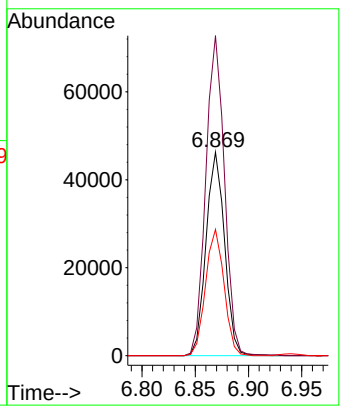


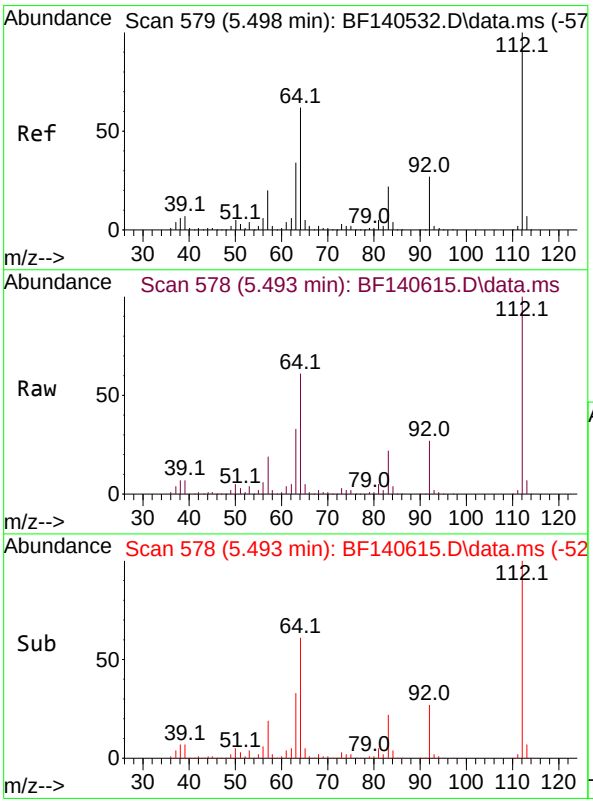
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Tgt Ion:152 Resp: 56272

Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.5	192.7
115	62.0	50.2	75.4

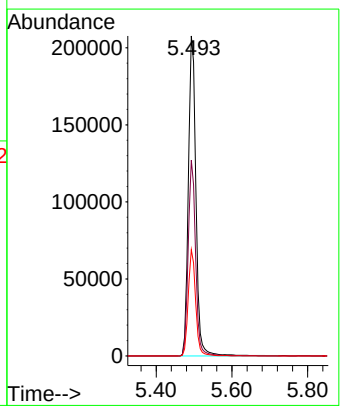


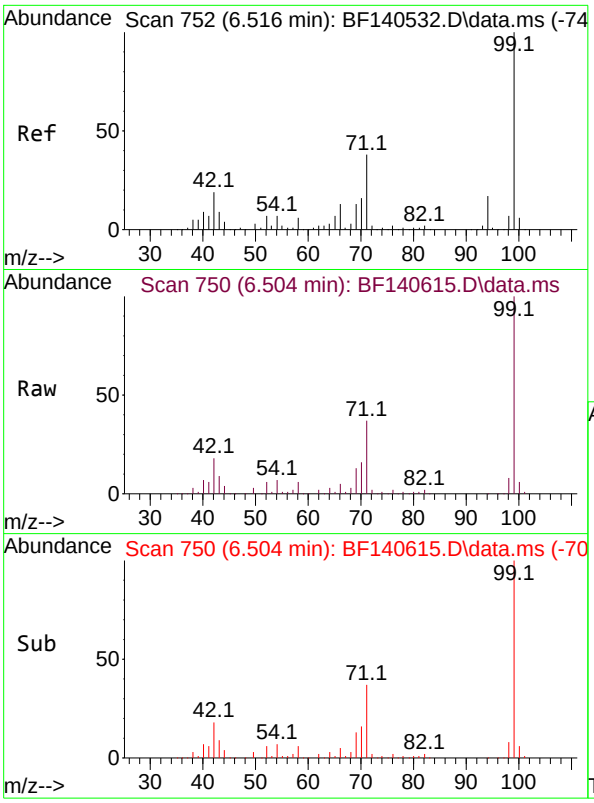


#5
2-Fluorophenol
Concen: 86.942 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Tgt Ion:112 Resp: 286741

Ion	Ratio	Lower	Upper
112	100		
64	61.2	49.2	73.8
63	33.2	27.0	40.4



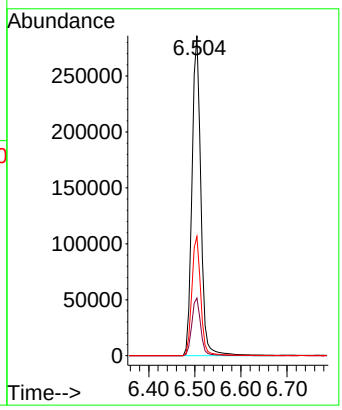


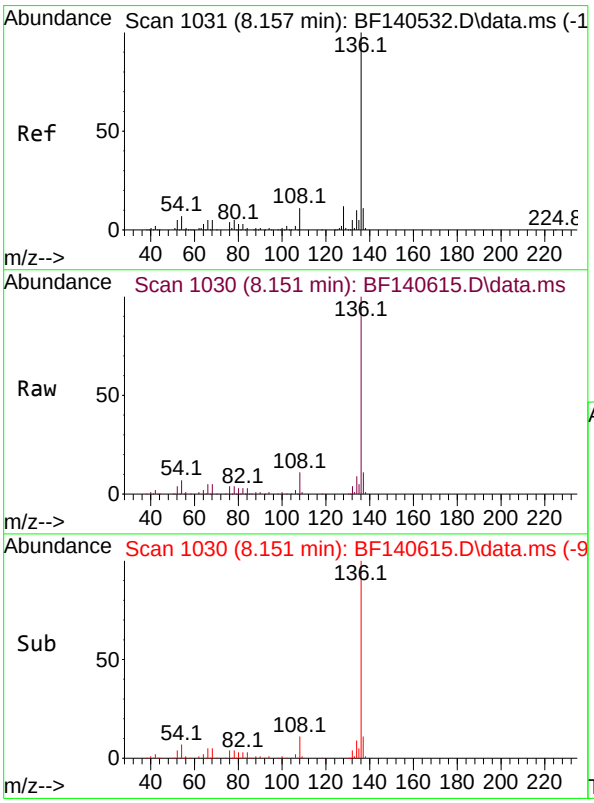
#7
Phenol-d6
Concen: 87.612 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Tgt Ion: 99 Resp: 381998

Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.4	23.0
71	37.3	30.6	46.0

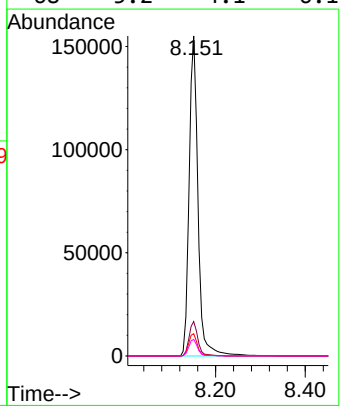


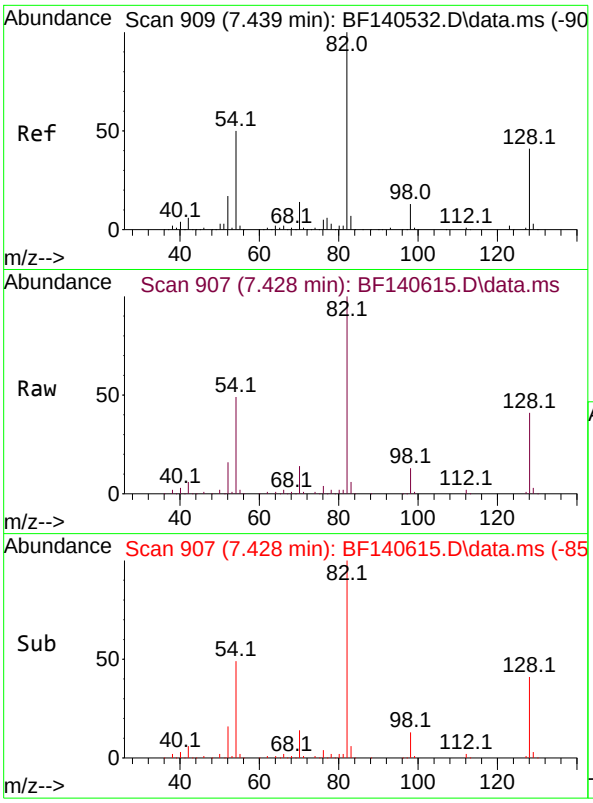


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Tgt Ion:136 Resp: 212229

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	6.9	5.8	8.8
68	5.2	4.1	6.1



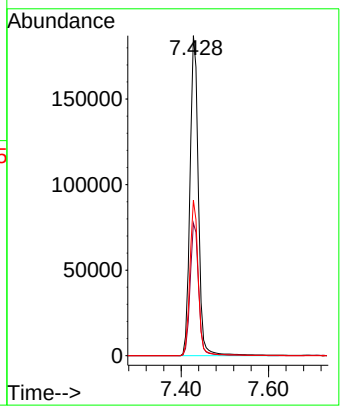


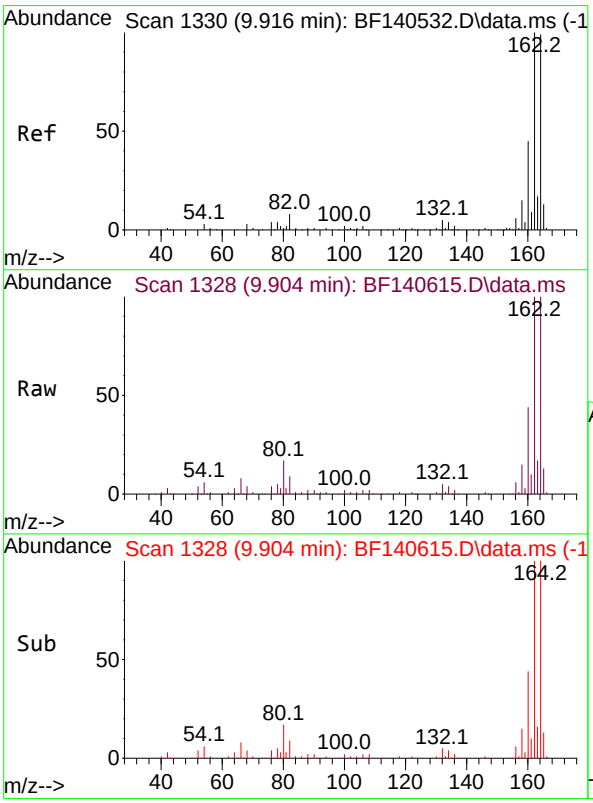
#23
Nitrobenzene-d5
Concen: 60.139 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Tgt Ion: 82 Resp: 249525

Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.0	49.4
54	48.5	39.5	59.3

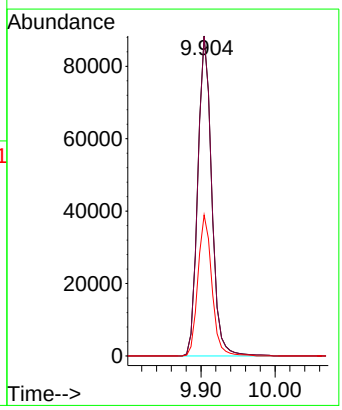


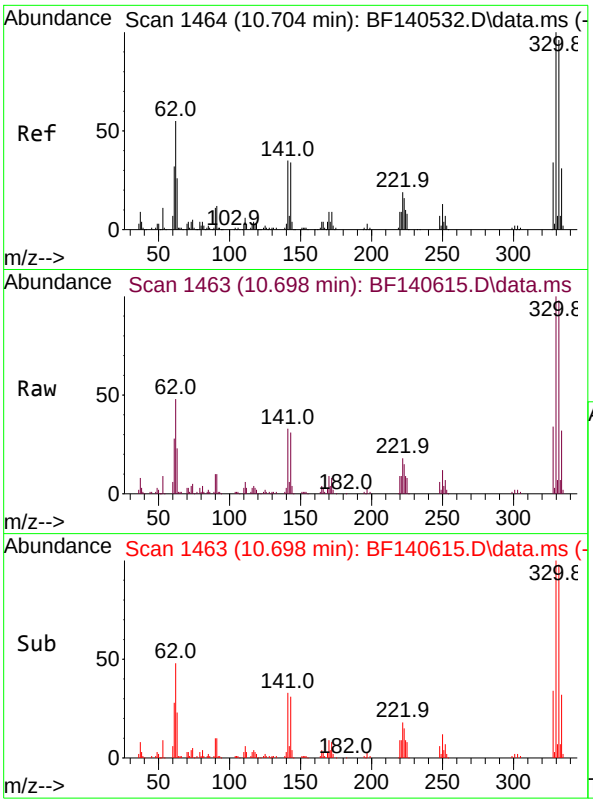


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Tgt Ion:164 Resp: 114630

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	120.8
160	44.1	36.2	54.4



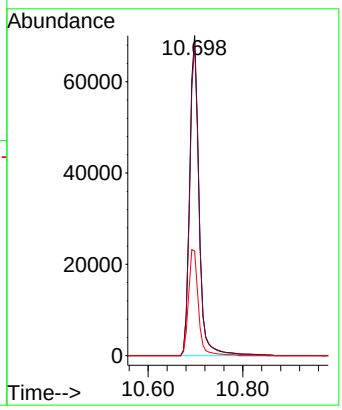


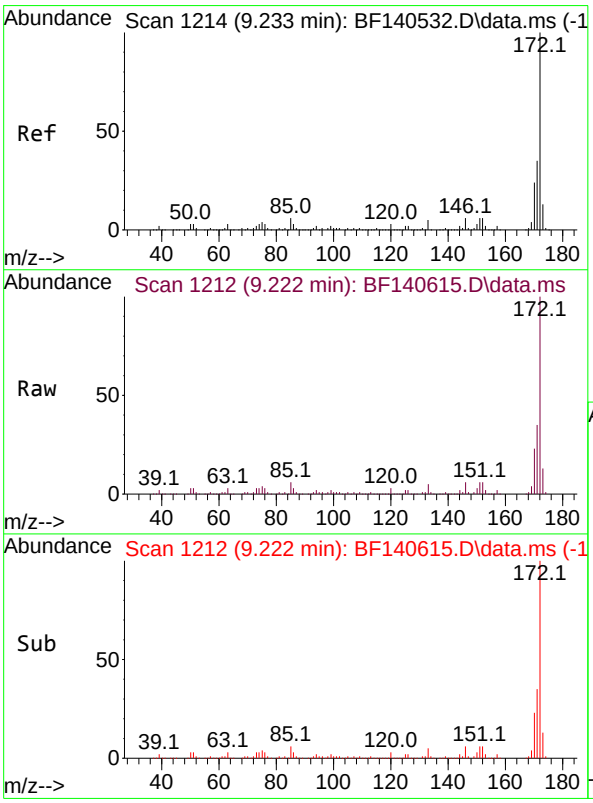
#42
2,4,6-Tribromophenol
Concen: 78.991 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Tgt Ion:330 Resp: 96841

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.9	115.3
141	34.5	26.7	40.1

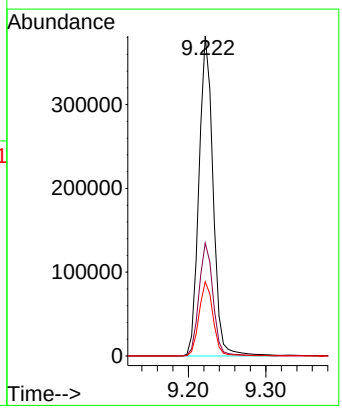


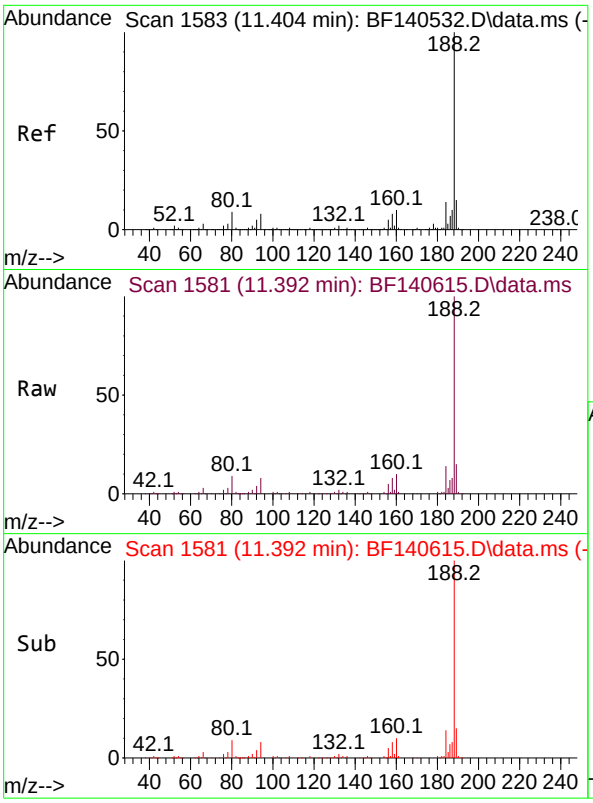


#45
2-Fluorobiphenyl
Concen: 62.843 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Tgt Ion:172 Resp: 483489

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.4	42.6
170	23.2	19.0	28.6



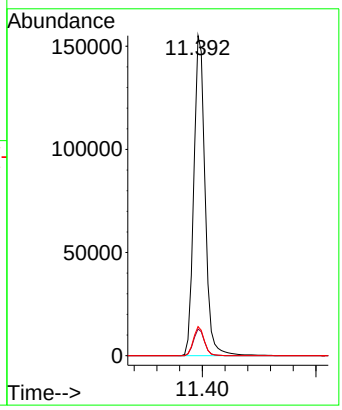


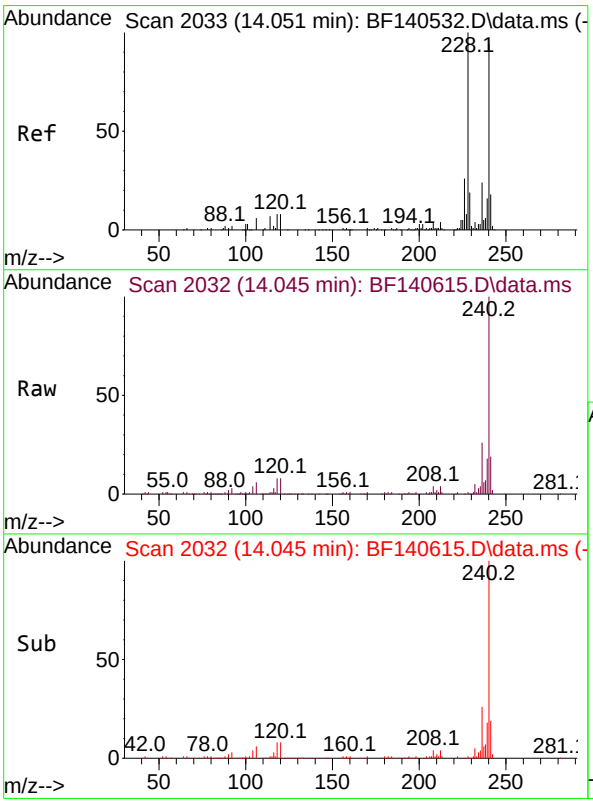
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Tgt Ion:188 Resp: 214306

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.4	9.6
80	9.1	6.9	10.3

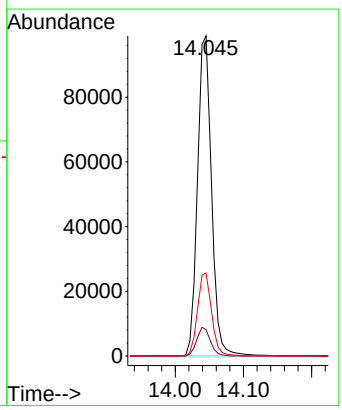


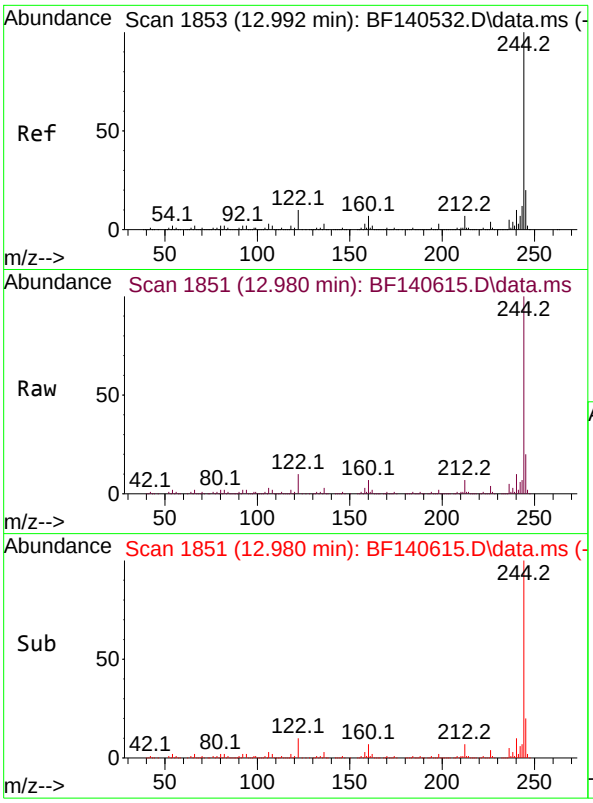


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Tgt Ion:240 Resp: 141699

Ion	Ratio	Lower	Upper
240	100		
120	8.2	7.3	10.9
236	26.0	20.6	31.0



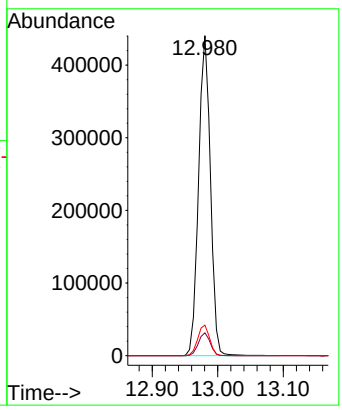


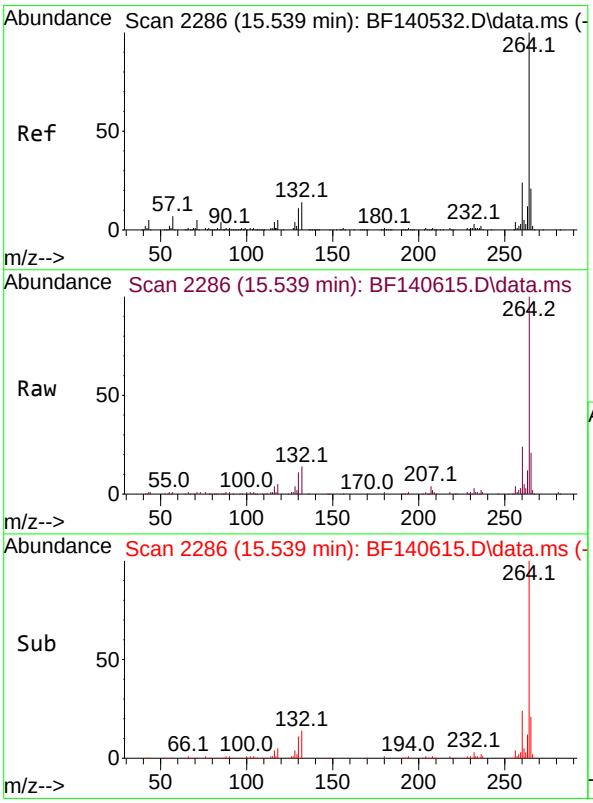
#79
Terphenyl-d14
Concen: 60.927 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Tgt Ion:244 Resp: 554437

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	9.5	8.0	12.0

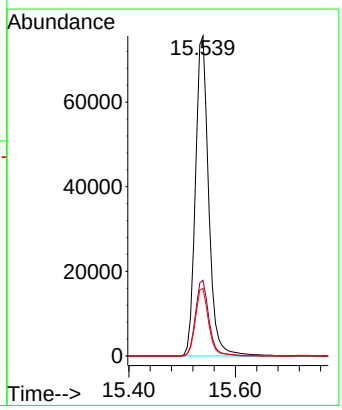




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Tgt Ion:264 Resp: 130450

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	21.1	16.6	25.0



Sample Results: **BF140615.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140615.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	503	508	520	rVB	19916	31082	2.14%	0.336%
2	5.493	573	578	598	rBV	754507	1016441	70.08%	10.977%
3	6.504	744	750	767	rBV	806435	1078727	74.38%	11.650%
4	6.869	807	812	821	rBV	273270	330865	22.81%	3.573%
5	7.428	902	907	920	rBV	531563	697301	48.08%	7.530%
6	8.151	1025	1030	1057	rBV	313887	423461	29.20%	4.573%
7	9.222	1207	1212	1223	rBV	1102295	1374540	94.77%	14.844%
8	9.904	1323	1328	1345	rBV	368486	473125	32.62%	5.109%
9	10.616	1444	1449	1458	rBV	215878	276926	19.09%	2.991%
10	10.698	1458	1463	1479	rVV	519957	723844	49.91%	7.817%
11	10.928	1497	1502	1510	rBV	38664	51046	3.52%	0.551%
12	11.392	1576	1581	1590	rBV	363733	493453	34.02%	5.329%
13	11.916	1665	1670	1685	rBV2	23163	45335	3.13%	0.490%
14	12.980	1845	1851	1856	rBV	1153883	1450364	100.00%	15.663%
15	13.916	2000	2010	2023	rBV6	16574	72805	5.02%	0.786%
16	14.045	2026	2032	2044	rVB	271780	394656	27.21%	4.262%
17	15.539	2280	2286	2298	rVB	193011	325815	22.46%	3.519%

Sum of corrected areas: 9259786

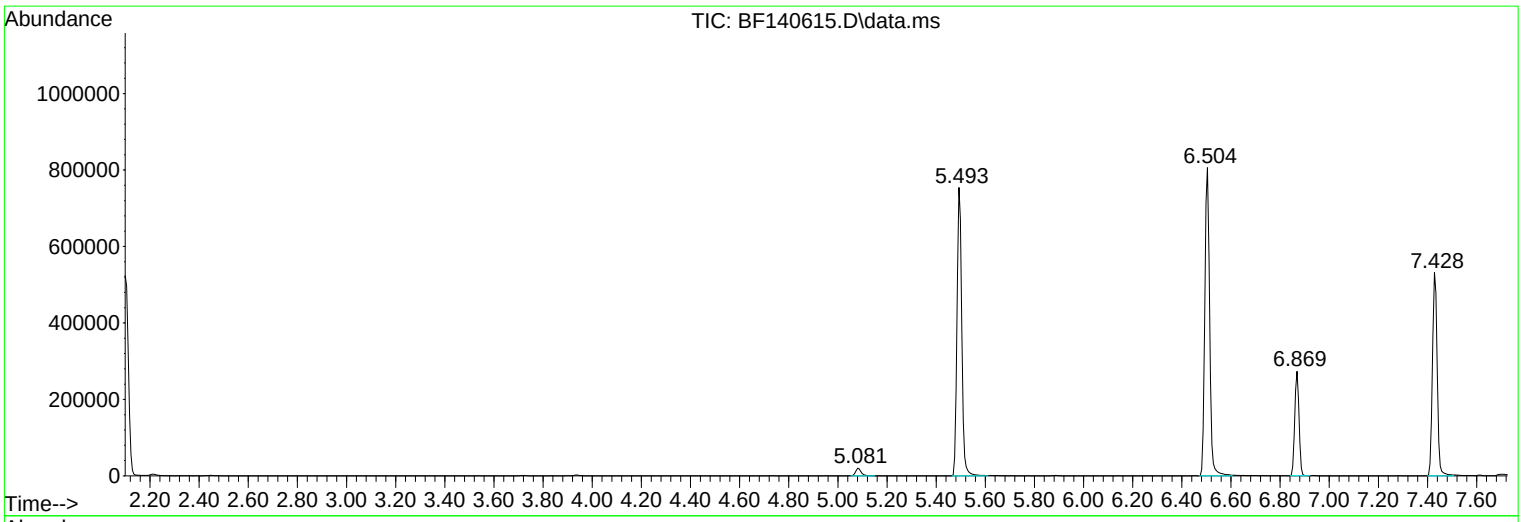
Sample Results: **BF140615.D**

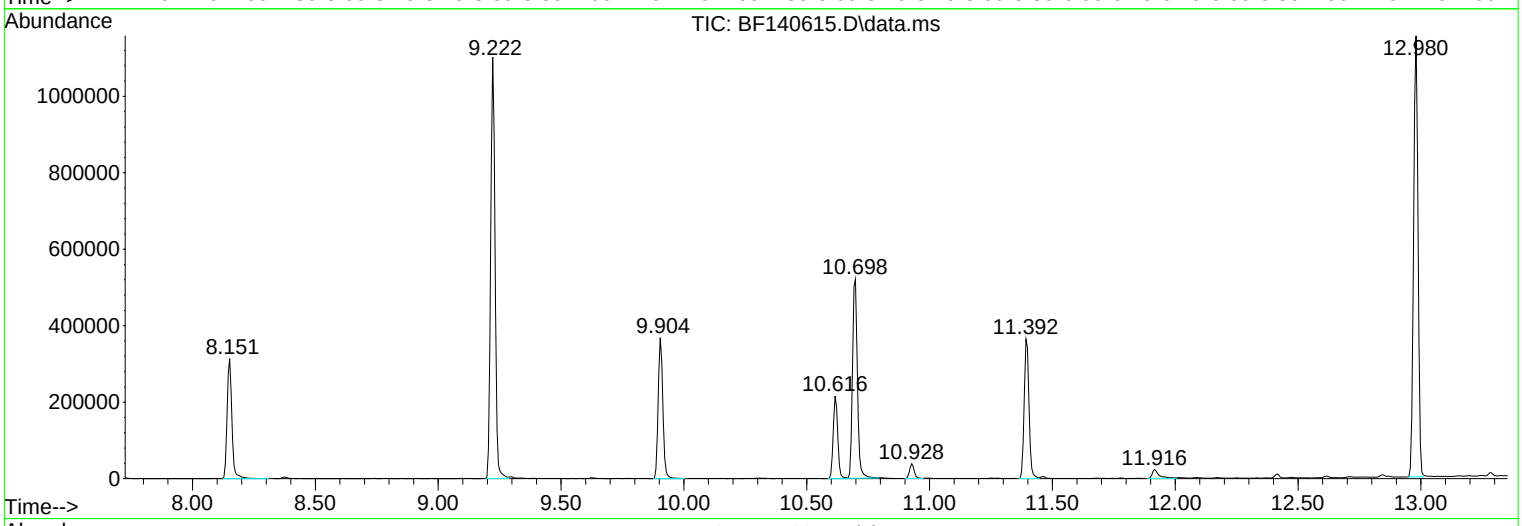
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

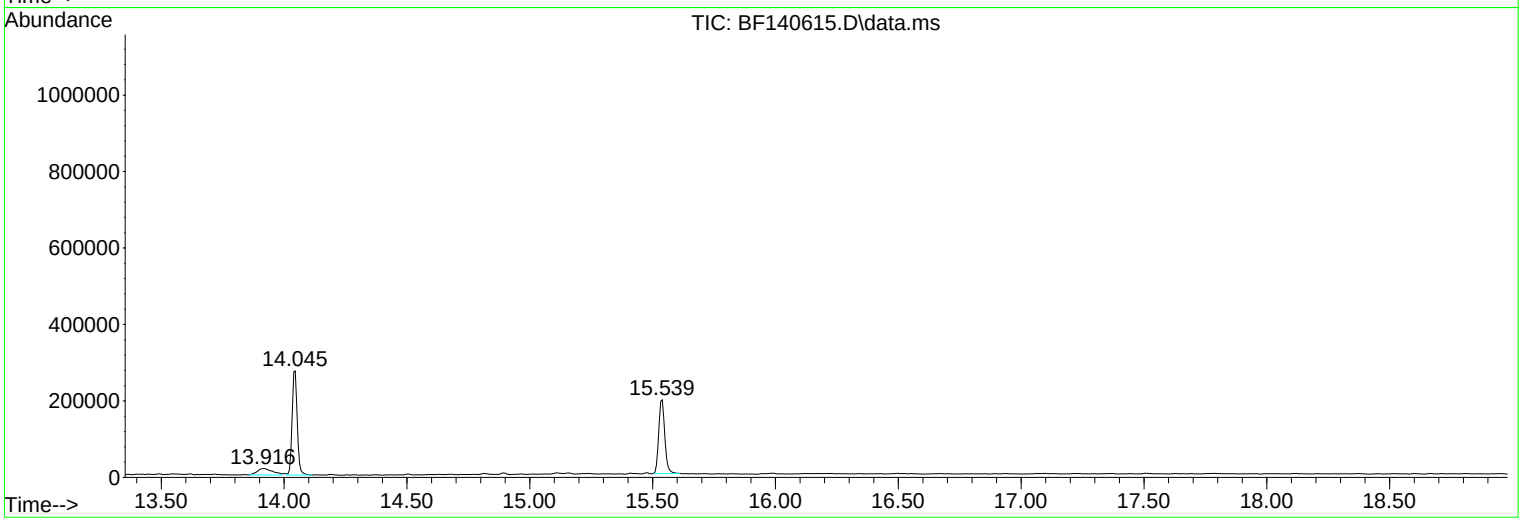
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

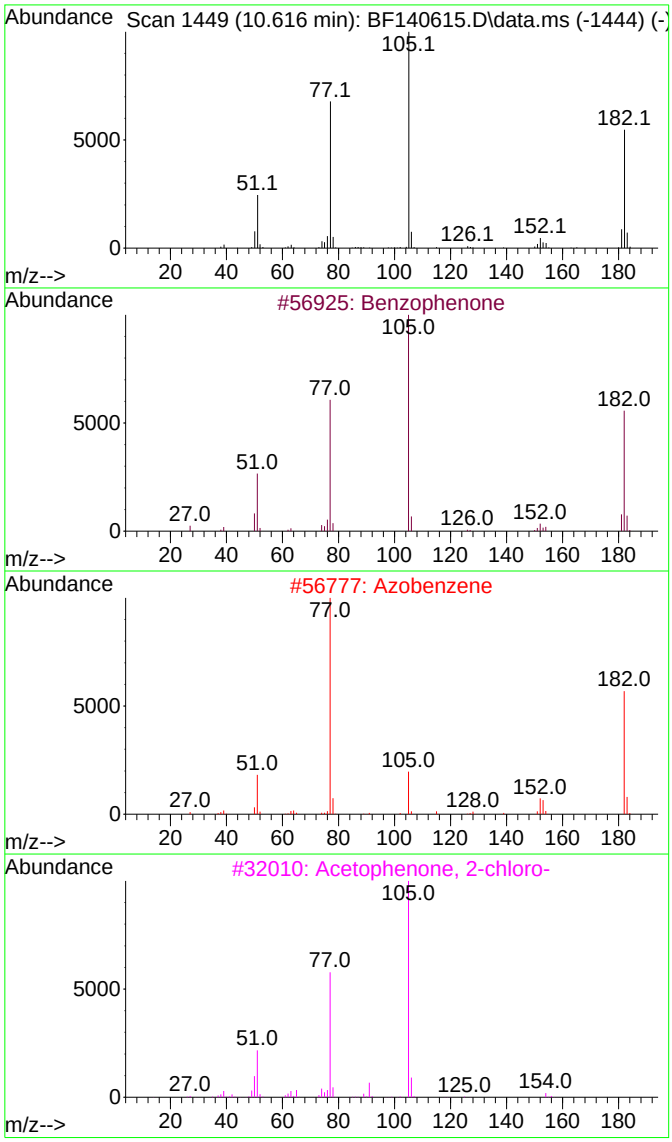
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TIC Integration Parameters: LSCINT.P

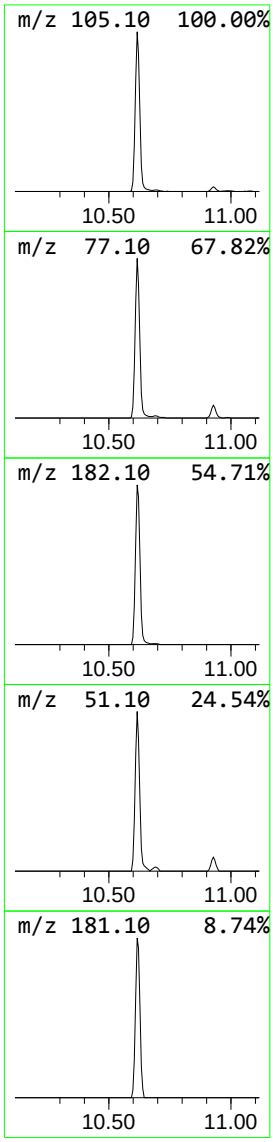
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	11.71 ng	276926	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	72
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

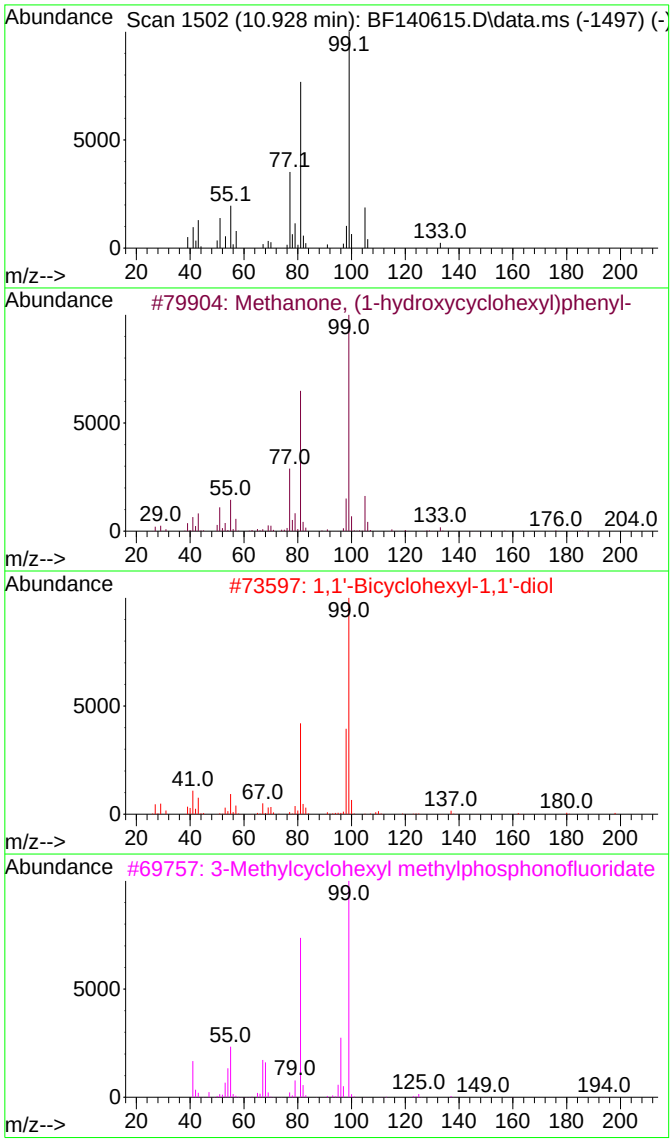
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

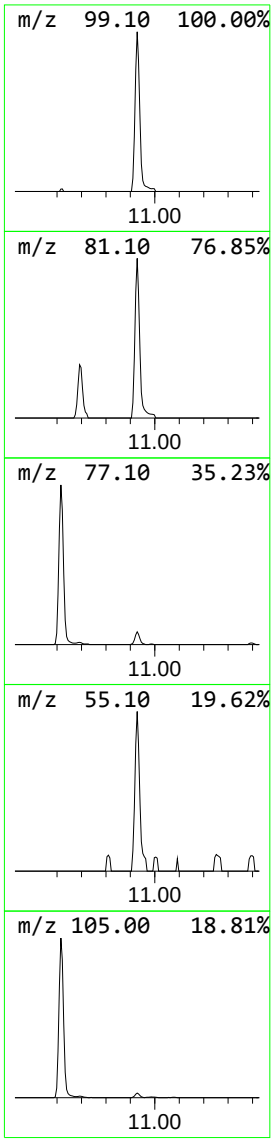
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Methanone, (1-hydroxycycloh... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.928	2.07 ng	51046	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	90
2	1,1'-Bicyclohexyl-1,1'-diol	198	C12H22O2	002888-11-1	45
3	3-Methylcyclohexyl methylphospho...	194	C8H16FO2P	113548-86-0	45
4	1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	45
5	2-Methylcyclosarin	194	C8H16FO2P	085473-32-1	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

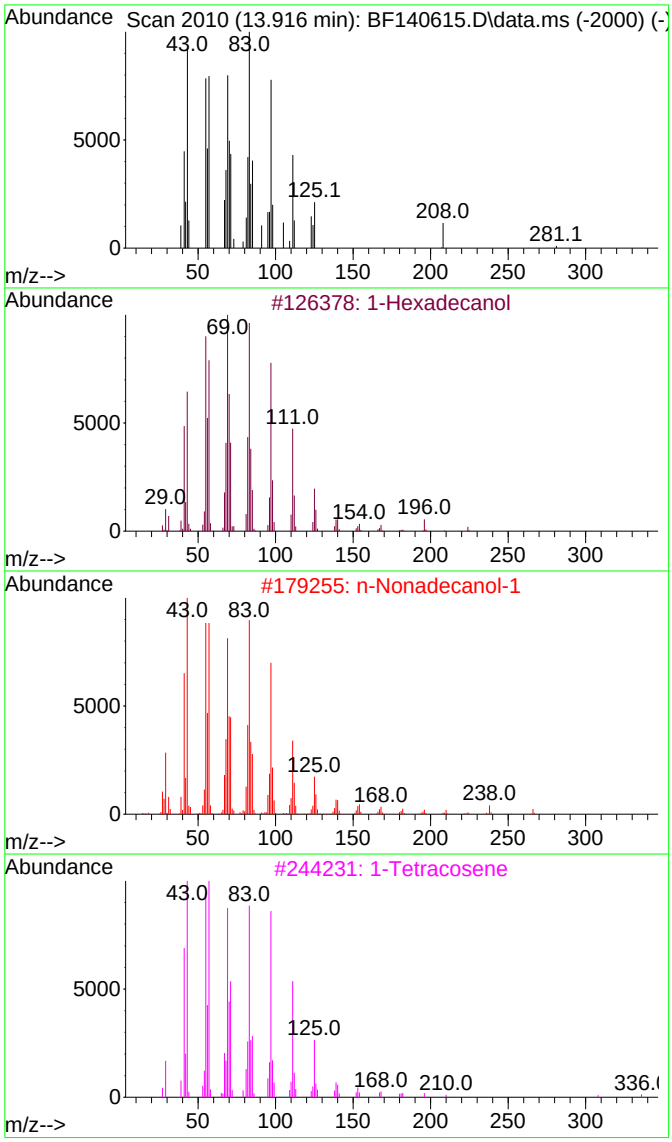
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

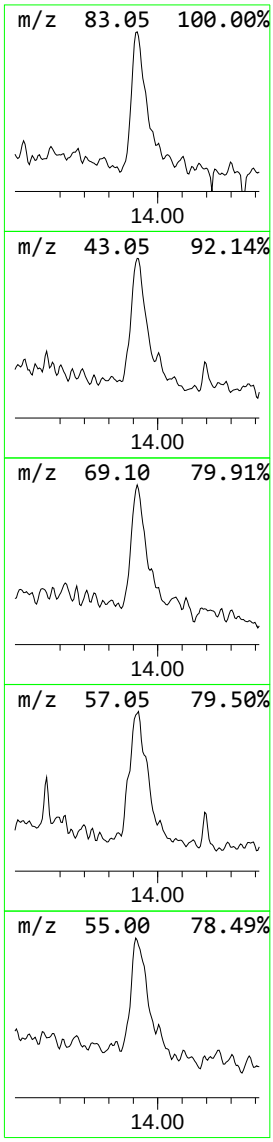
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Peak Number 3 1-Hexadecanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	3.69 ng	72805	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanol	242	C16H34O	036653-82-4	93
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
3	1-Tetracosene	336	C24H48	010192-32-2	93
4	2- Chloropropionic acid, pentade...	318	C18H35ClO2	1000292-44-1	91
5	1-Heneicosanol	312	C21H44O	015594-90-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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	10.616	11.7	ng	276926	3	9.904	473125	20.0
Methanone, (1-h...	10.928	2.1	ng	51046	4	11.392	493453	20.0
1-Hexadecanol	13.916	3.7	ng	72805	5	14.045	394656	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Quant Time: Nov 26 00:11:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

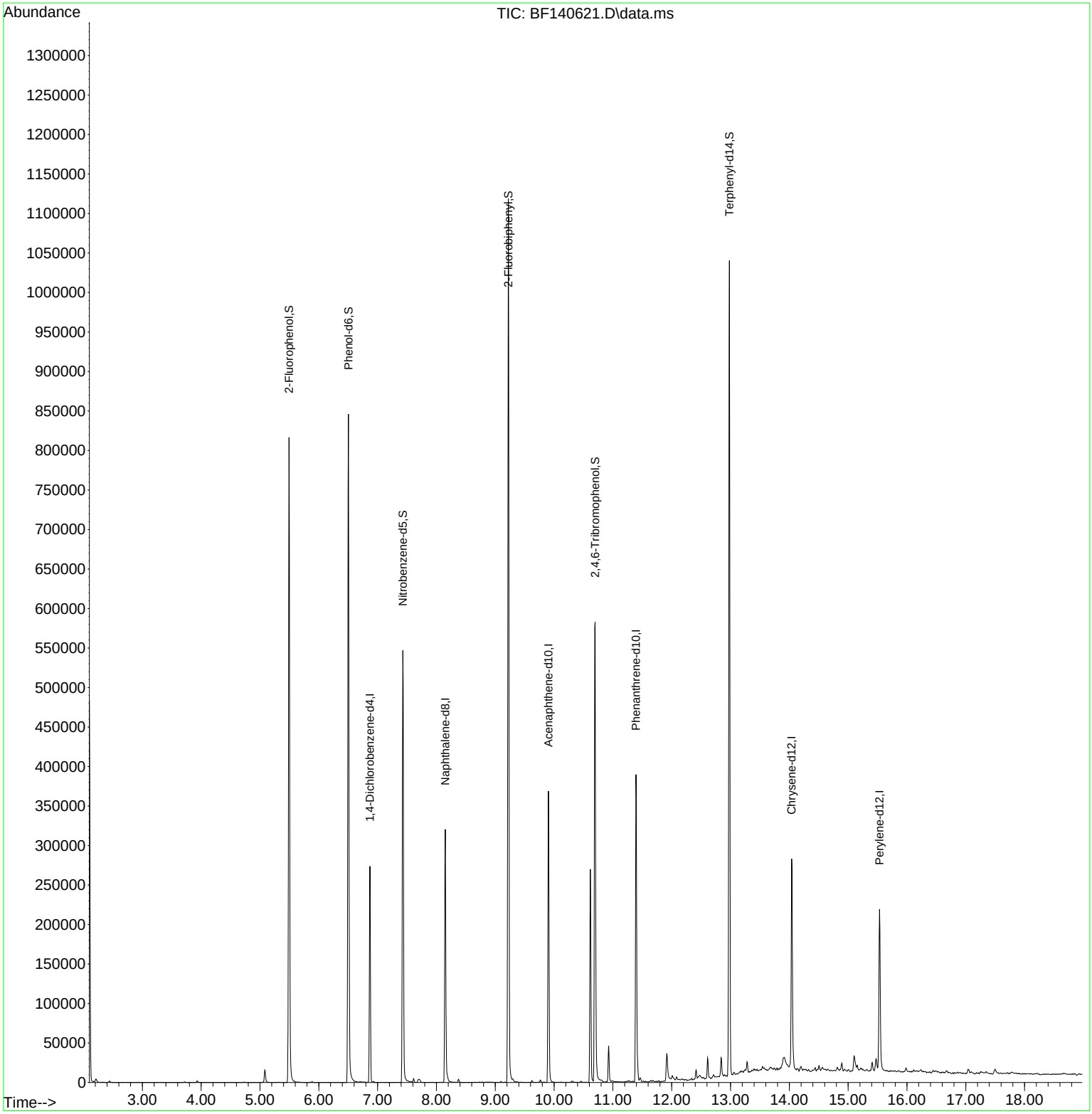
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	56779	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	211702	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	113735	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	220246	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	128275	20.000	ng	-0.01
86) Perylene-d12	15.533	264	122422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	306468	92.094	ng	0.00
7) Phenol-d6	6.504	99	397890	90.442	ng	-0.01
23) Nitrobenzene-d5	7.428	82	256943	62.081	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	107865	88.675	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	495612	64.926	ng	-0.01
79) Terphenyl-d14	12.980	244	498356	60.495	ng	-0.01
Target Compounds						Qvalue

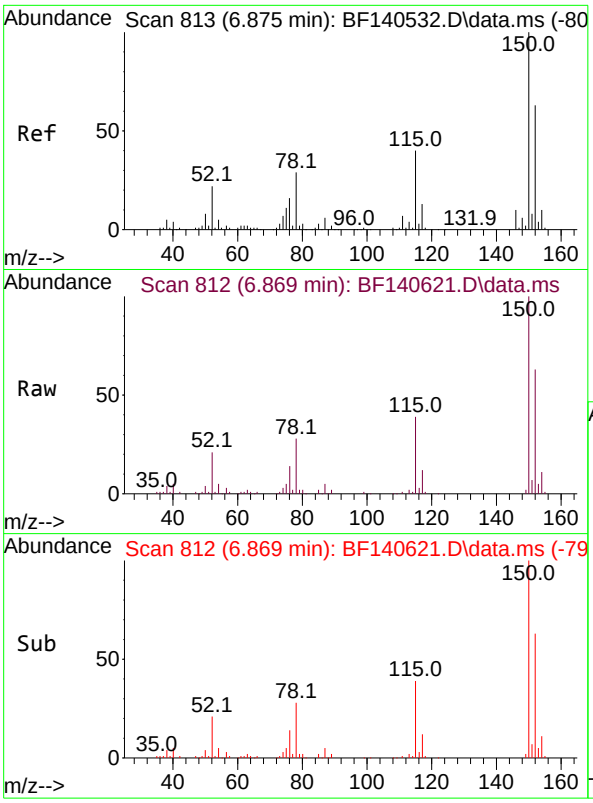
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Quant Time: Nov 26 00:11:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



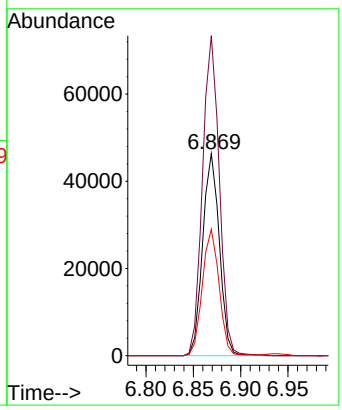


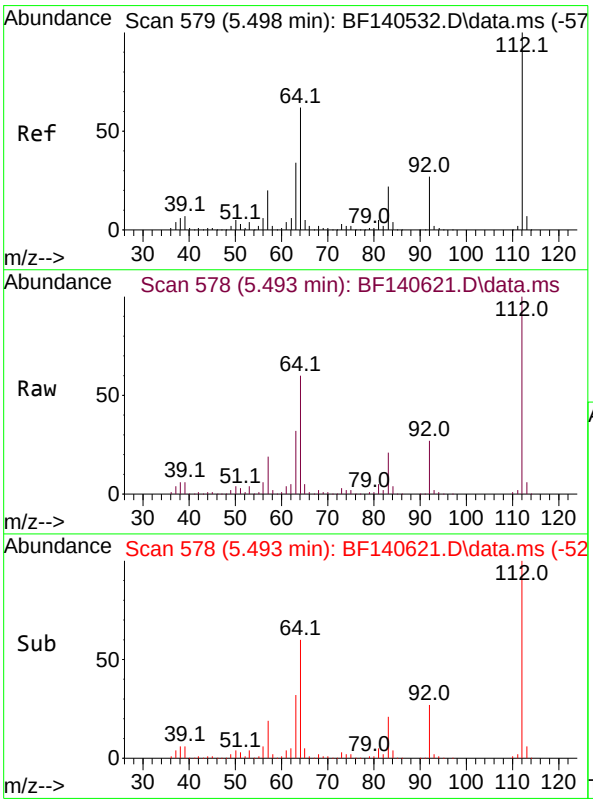
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Tgt Ion:152 Resp: 56779

Ion	Ratio	Lower	Upper
152	100		
150	158.3	128.5	192.7
115	62.5	50.2	75.4

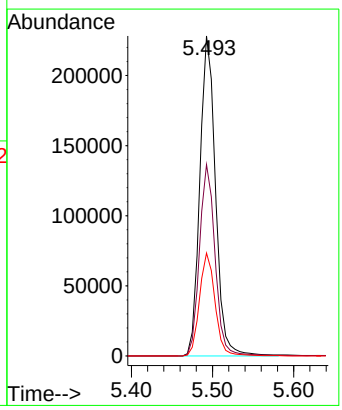


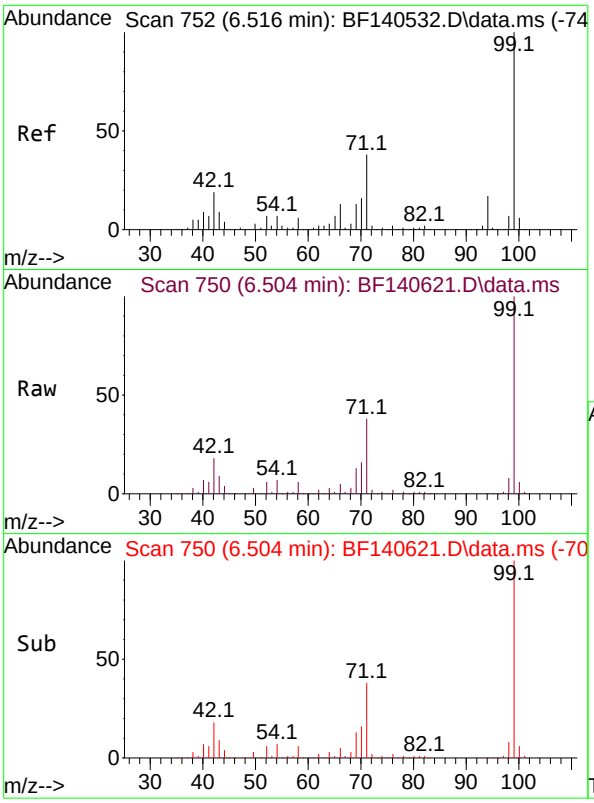


#5
2-Fluorophenol
Concen: 92.094 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Tgt Ion:112 Resp: 306468

Ion	Ratio	Lower	Upper
112	100		
64	59.8	49.2	73.8
63	32.2	27.0	40.4



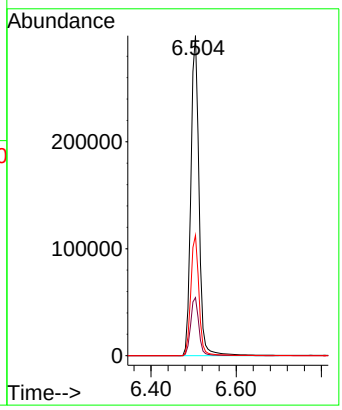


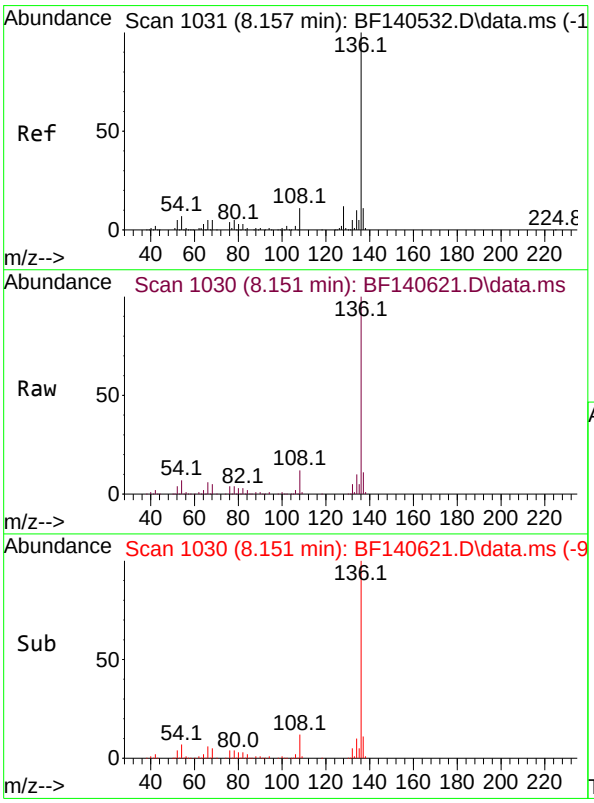
#7
Phenol-d6
Concen: 90.442 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Tgt Ion: 99 Resp: 397890

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.4	23.0
71	37.6	30.6	46.0

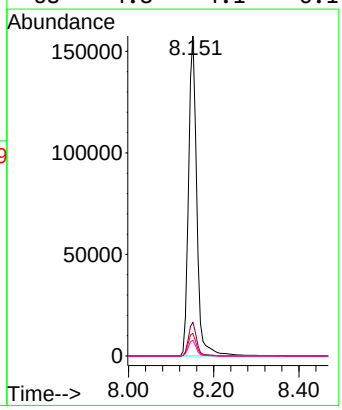


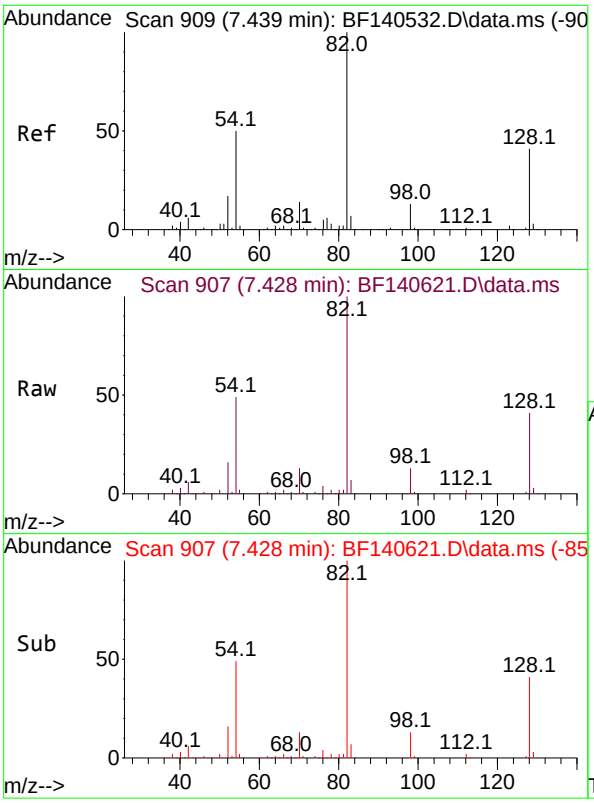


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Tgt Ion:136 Resp: 211702

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	7.0	5.8	8.8
68	4.8	4.1	6.1



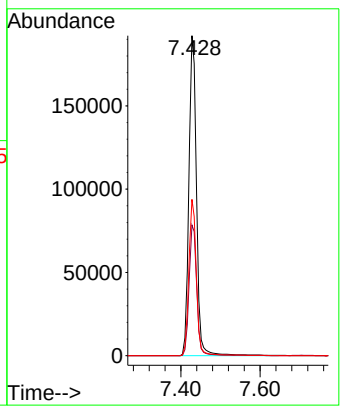


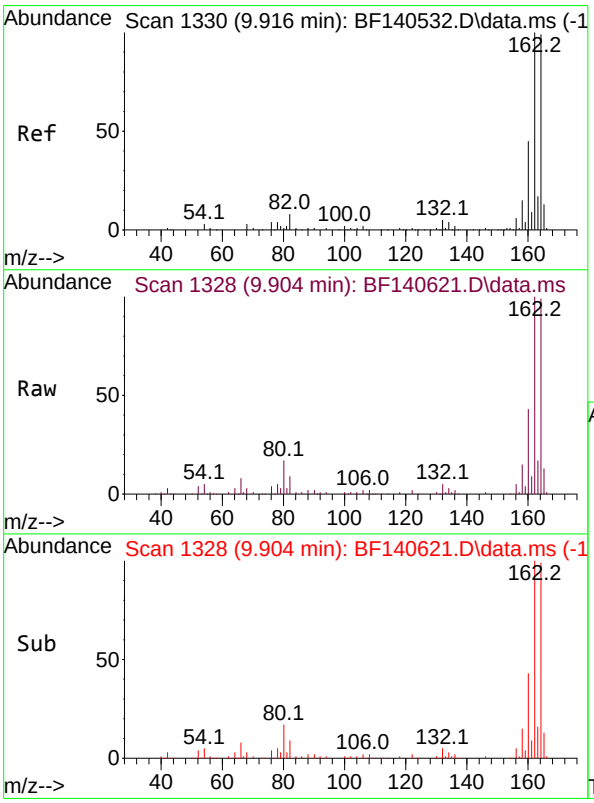
#23
Nitrobenzene-d5
Concen: 62.081 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Tgt Ion: 82 Resp: 256943

Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.0	49.4
54	48.9	39.5	59.3

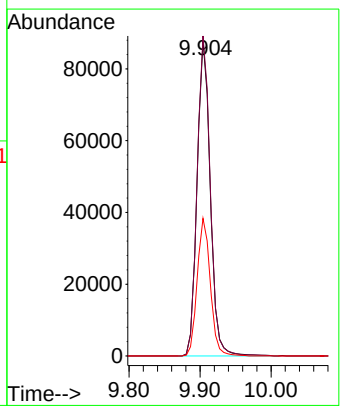


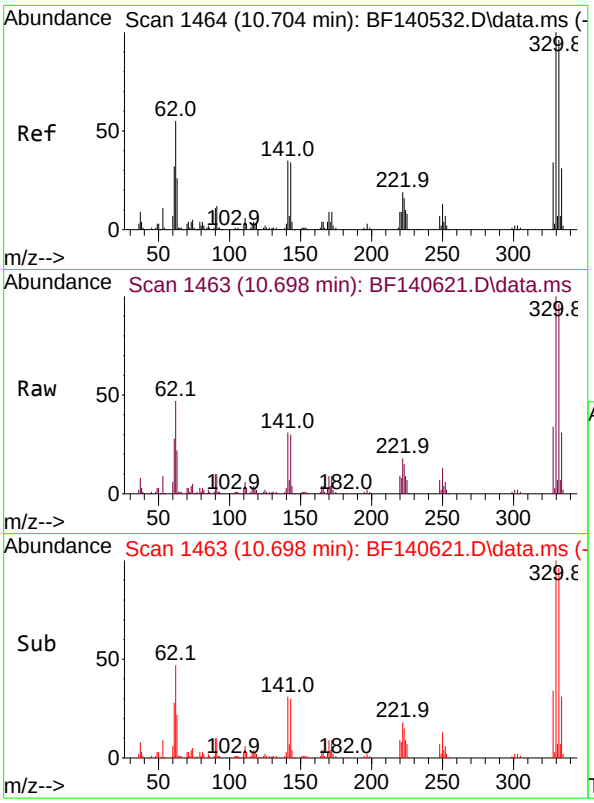


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Tgt Ion:164 Resp: 113735

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	120.8
160	43.6	36.2	54.4



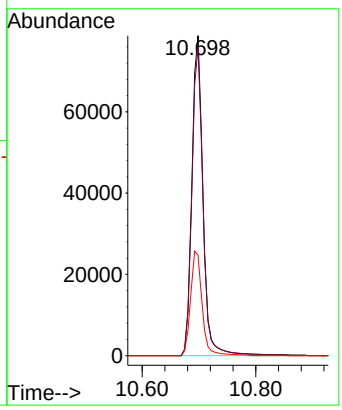


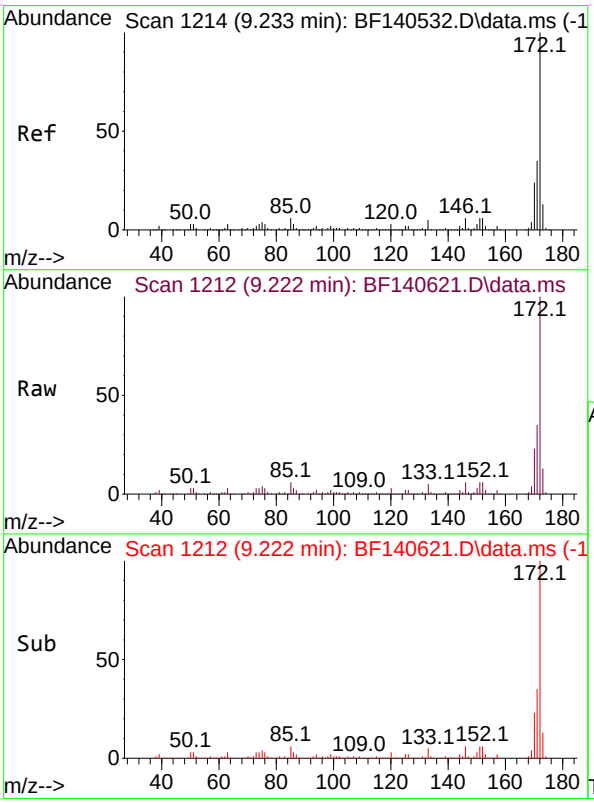
#42
2,4,6-Tribromophenol
Concen: 88.675 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Tgt Ion:330 Resp: 107865

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	33.8	26.7	40.1

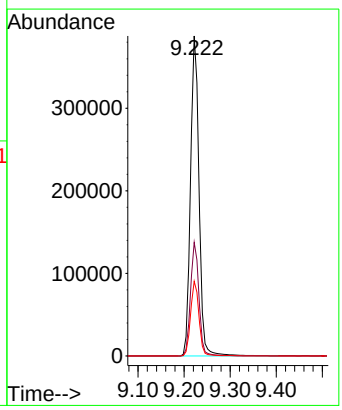


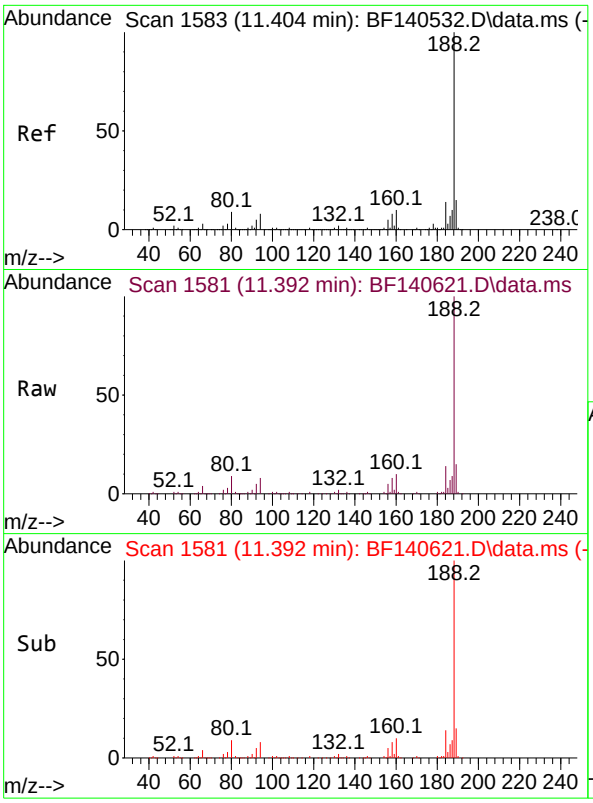


#45
2-Fluorobiphenyl
Concen: 64.926 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Tgt Ion:172 Resp: 495612

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.3	19.0	28.6



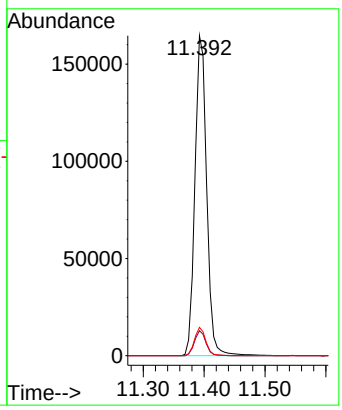


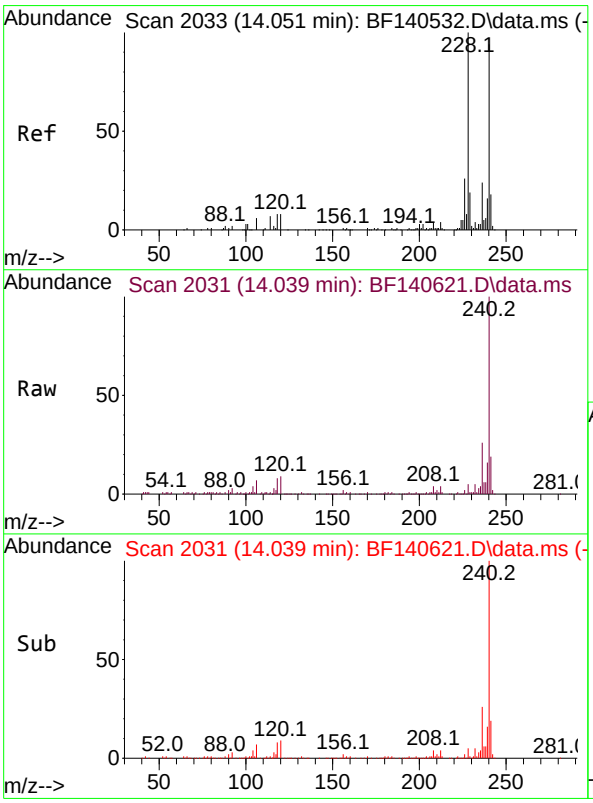
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Tgt Ion:188 Resp: 220246

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.4	9.6
80	8.8	6.9	10.3

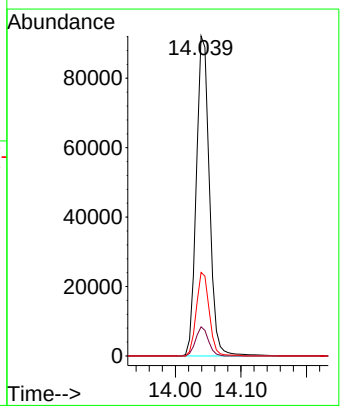


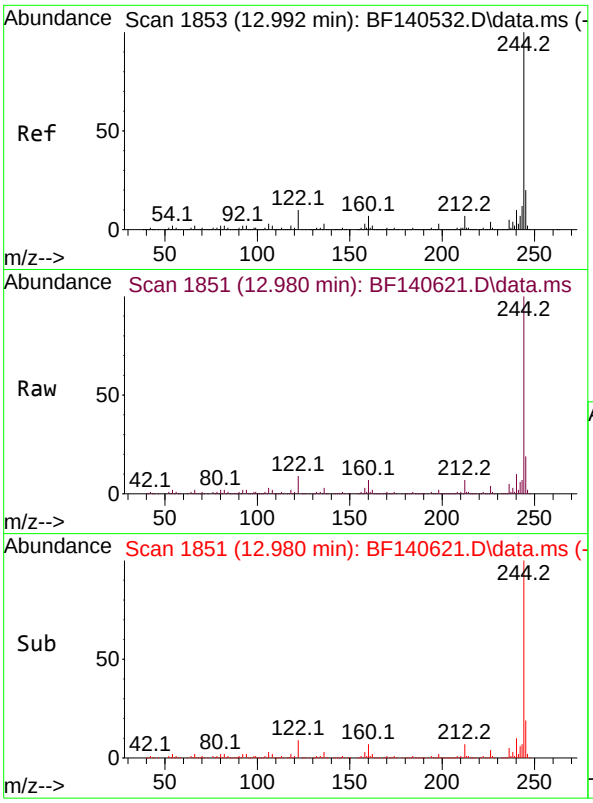


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Tgt Ion:240 Resp: 128275

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.3	10.9
236	26.1	20.6	31.0



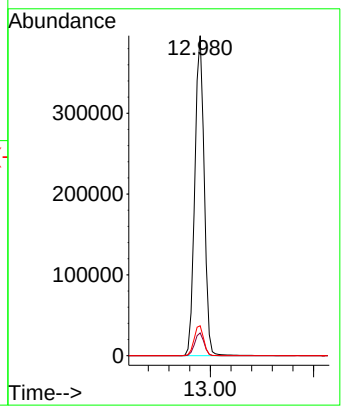


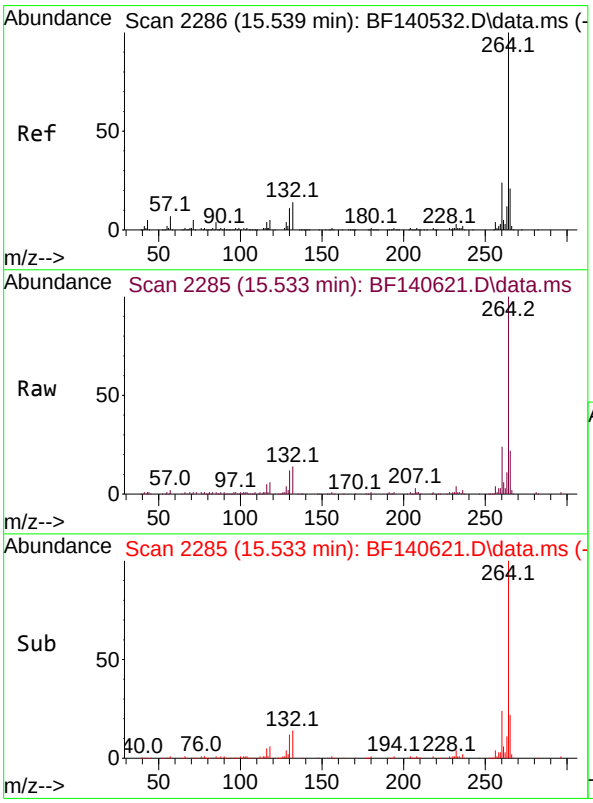
#79
Terphenyl-d14
Concen: 60.495 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Tgt Ion:244 Resp: 498356

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	9.3	8.0	12.0

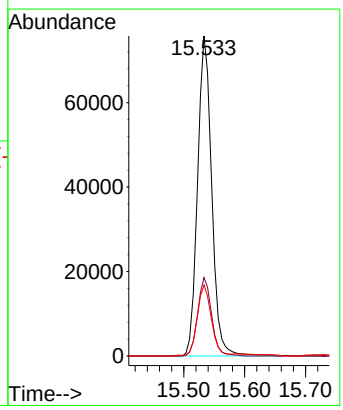




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Tgt Ion:264 Resp: 122422

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.6
265	22.1	16.6	25.0



Sample Results: **BF140621.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140621.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	503	508	518	rVB	15257	23354	1.67%	0.243%
2	5.493	573	578	593	rBV	816602	1088857	77.80%	11.309%
3	6.504	744	750	768	rBV	846002	1125236	80.40%	11.687%
4	6.869	807	812	819	rBV	273360	332648	23.77%	3.455%
5	7.428	902	907	919	rBV	546891	716794	51.21%	7.445%
6	8.151	1025	1030	1048	rBV	320042	420219	30.02%	4.364%
7	9.222	1207	1212	1222	rBV	1118456	1399617	100.00%	14.536%
8	9.904	1323	1328	1345	rVB	368694	473336	33.82%	4.916%
9	10.616	1444	1449	1458	rBV	269816	342604	24.48%	3.558%
10	10.698	1458	1463	1479	rVV	581555	816579	58.34%	8.481%
11	10.928	1497	1502	1509	rBV	45411	57699	4.12%	0.599%
12	11.392	1576	1581	1590	rBV	389017	530674	37.92%	5.512%
13	11.916	1665	1670	1682	rBV2	35355	69317	4.95%	0.720%
14	12.416	1750	1755	1758	rBV	11711	15860	1.13%	0.165%
15	12.610	1784	1788	1793	rBV	25963	33045	2.36%	0.343%
16	12.839	1822	1827	1834	rBV	24219	37157	2.65%	0.386%
17	12.980	1845	1851	1861	rBV	1032712	1315490	93.99%	13.663%
18	13.280	1899	1902	1908	rVB6	13217	17638	1.26%	0.183%
19	14.039	2026	2031	2044	rVB	267006	397938	28.43%	4.133%
20	15.104	2207	2212	2218	rBV	18719	40280	2.88%	0.418%
21	15.410	2260	2264	2270	rVB	10446	15191	1.09%	0.158%
22	15.474	2270	2275	2279	rBV	15041	26439	1.89%	0.275%
23	15.533	2279	2285	2299	rVB	204114	332339	23.74%	3.452%

Sum of corrected areas: 9628311

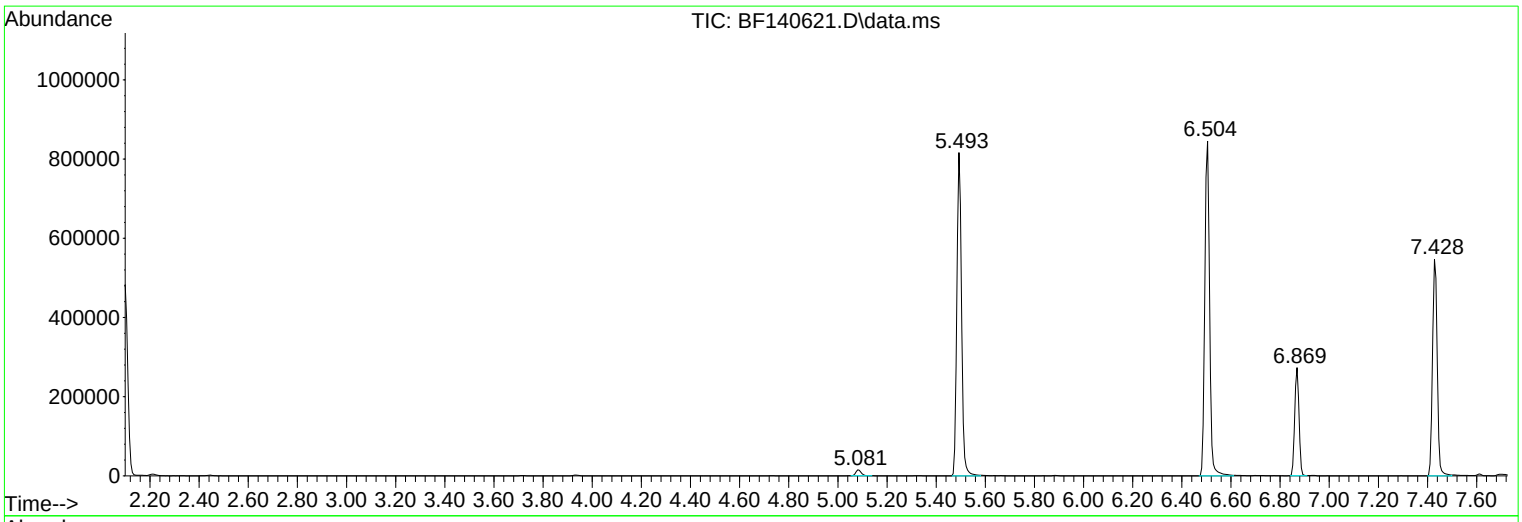
Sample Results: **BF140621.D**

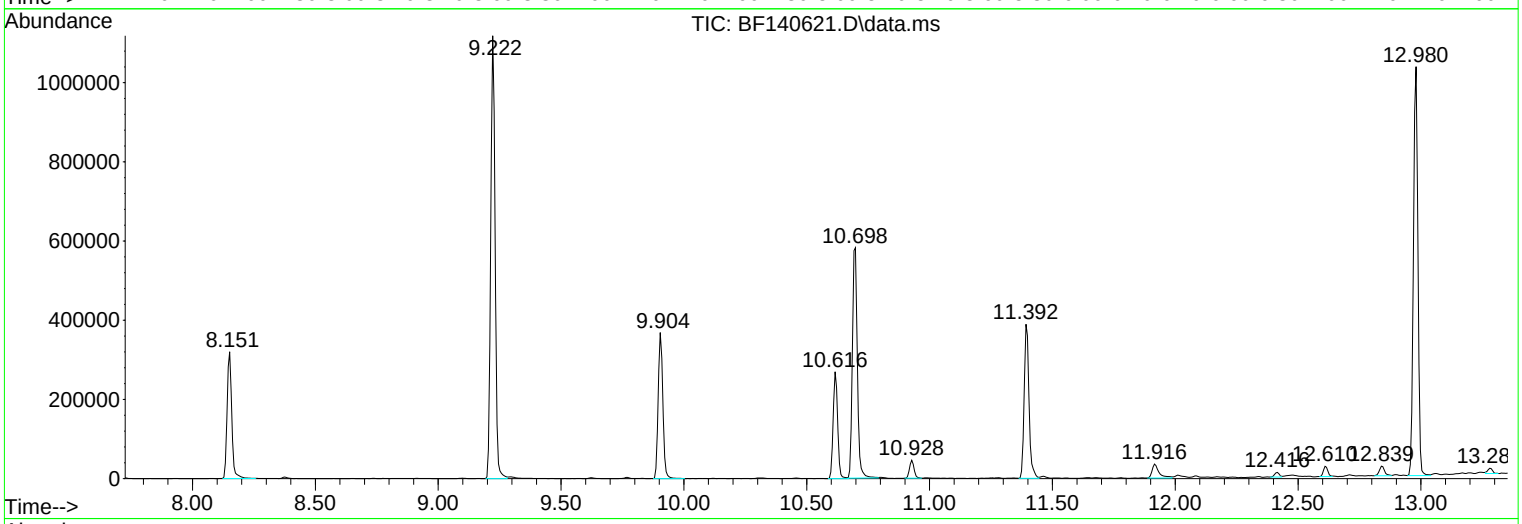
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

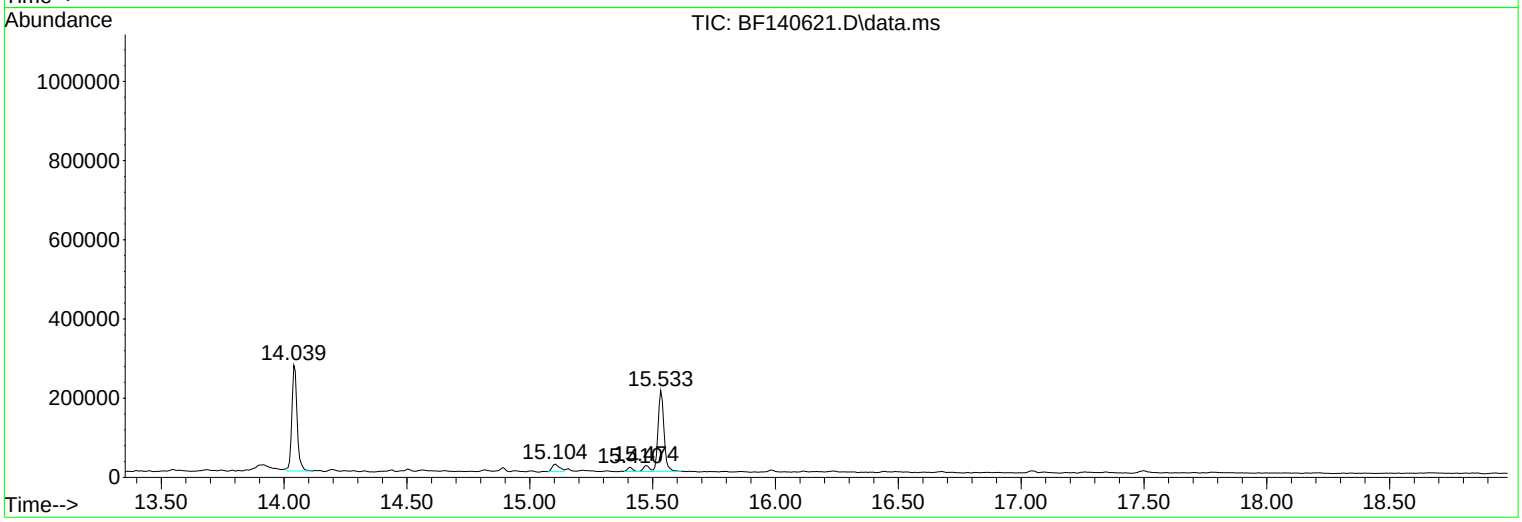
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

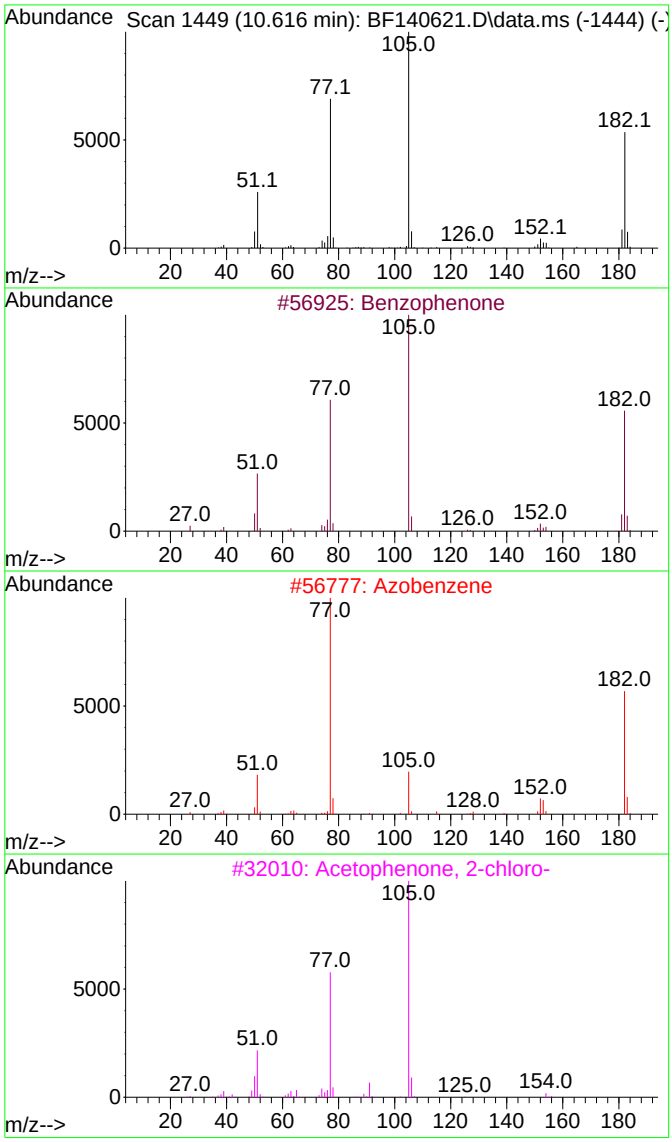
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

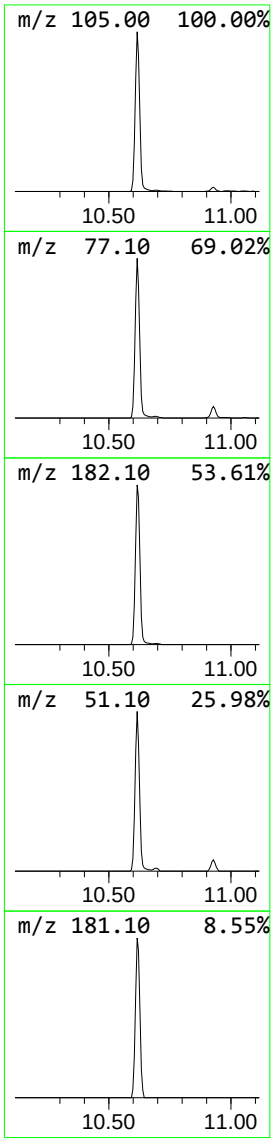
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	14.48 ng	342604	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	72
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	Benzoyl bromide	184	C7H5BrO	000618-32-6	47
5	Methyl 2-benzoyl-4-cyanobutanoate	231	C13H13NO3	1010486-83-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

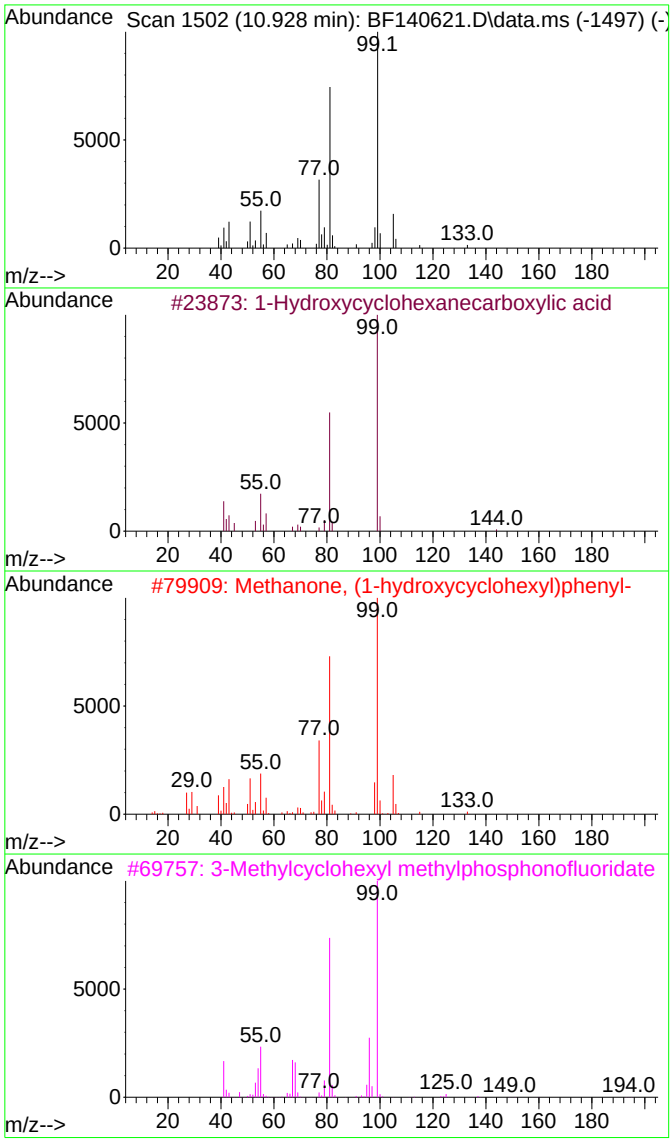
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

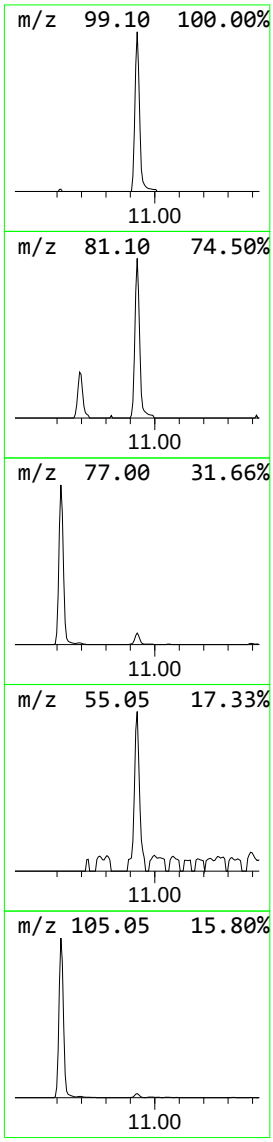
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Peak Number 2 1-Hydroxycyclohexanecarboxy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.928	2.17 ng	57699	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	59
2	Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	38
3	3-Methylcyclohexyl methylphospho...	194	C8H16FO2P	113548-86-0	38
4	1,1'-Bicyclohexyl-1,1'-diol	198	C12H22O2	002888-11-1	38
5	Cyclohexanol, 1-ethyl-	128	C8H16O	001940-18-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

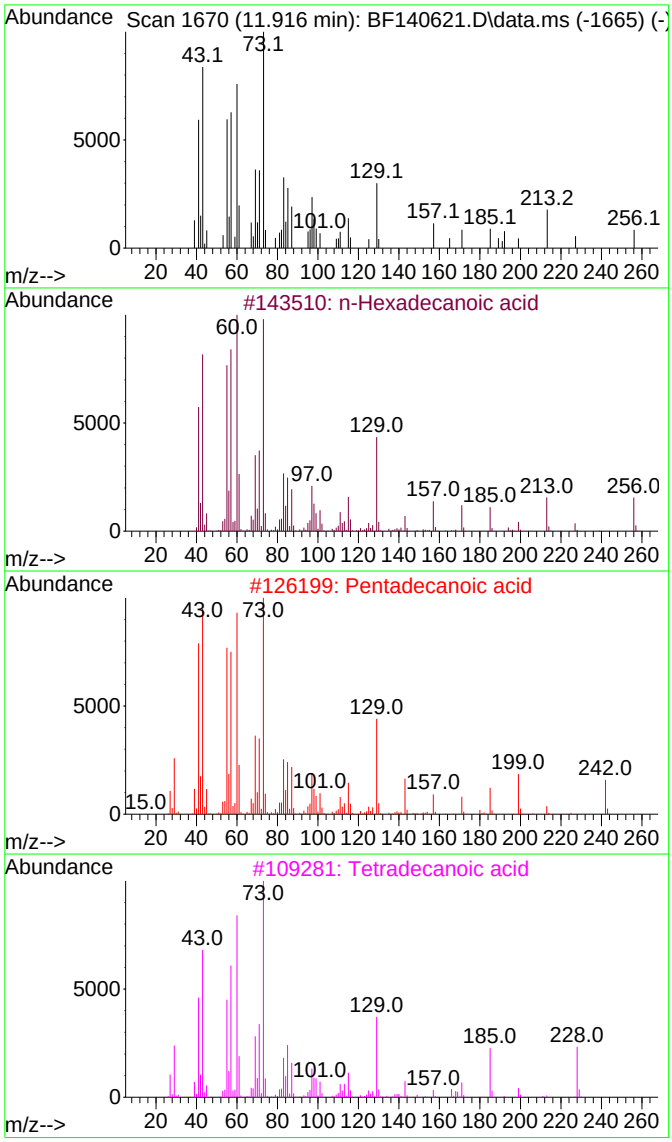
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

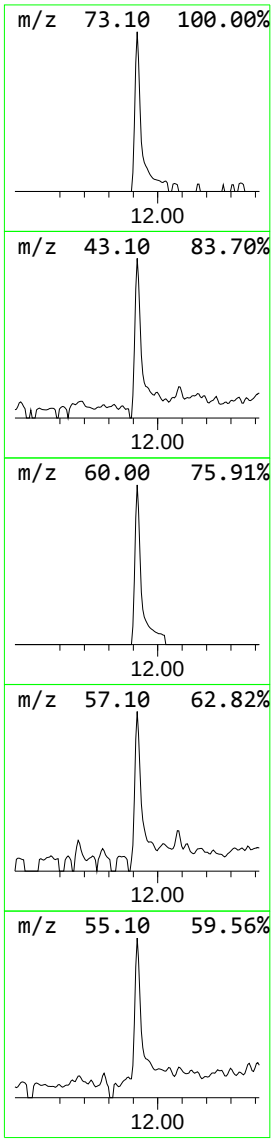
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	2.61 ng	69317	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Undecanoic acid	186	C11H22O2	000112-37-8	72
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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	10.616	14.5	ng	342604	3	9.904	473336	20.0
1-Hydroxycycloh...	10.928	2.2	ng	57699	4	11.392	530674	20.0
n-Hexadecanoic ...	11.916	2.6	ng	69317	4	11.392	530674	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Time: Nov 22 15:59:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

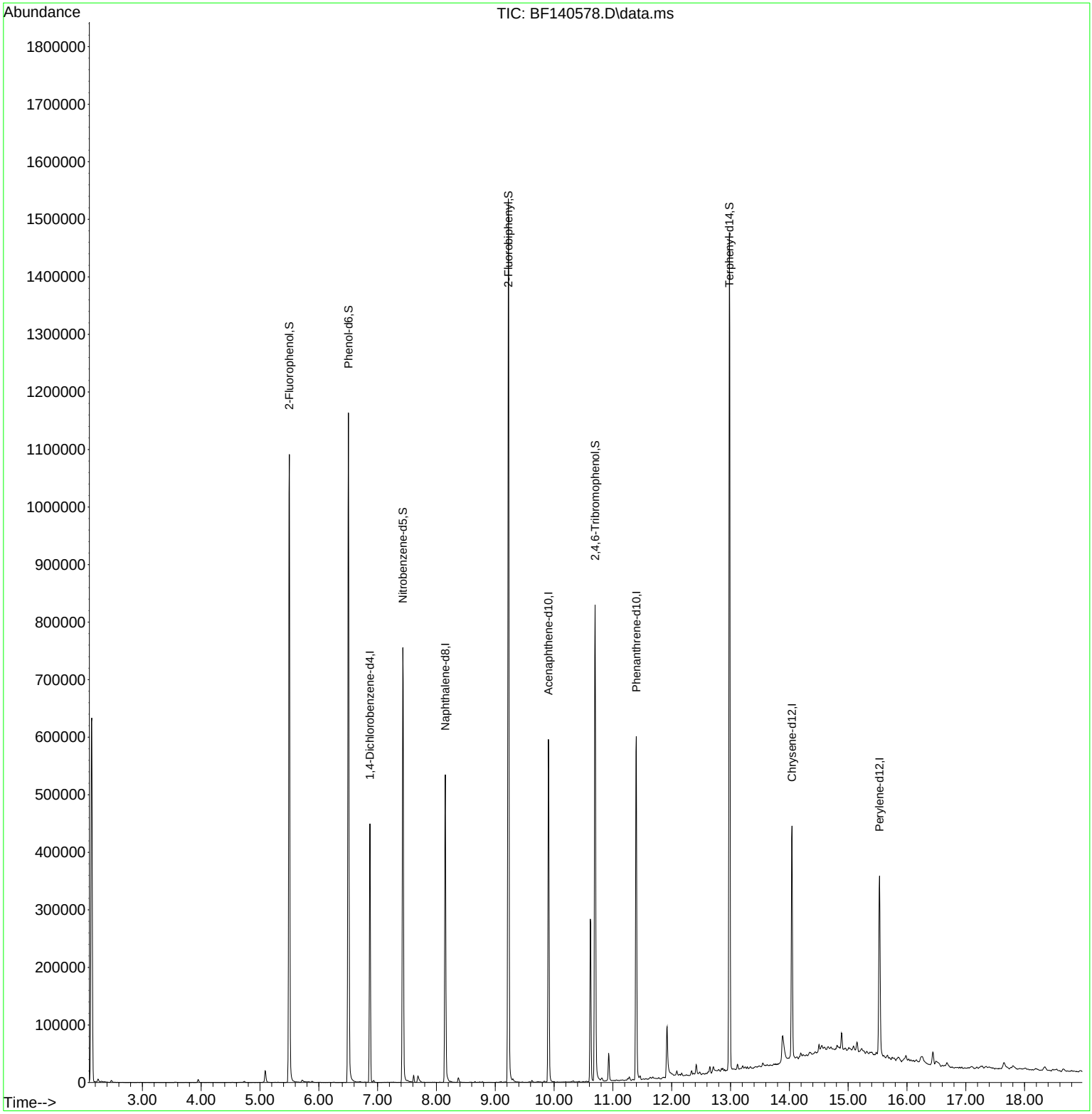
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	93283	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	346410	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	184115	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	340852	20.000	ng	0.00
76) Chrysene-d12	14.045	240	203007	20.000	ng	0.00
86) Perylene-d12	15.533	264	190451	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	411293	75.228	ng	0.00
7) Phenol-d6	6.504	99	543906	75.251	ng	-0.01
23) Nitrobenzene-d5	7.428	82	354742	52.381	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	146071	74.181	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	689195	55.773	ng	-0.01
79) Terphenyl-d14	12.980	244	705882	54.143	ng	-0.01
Target Compounds						Qvalue

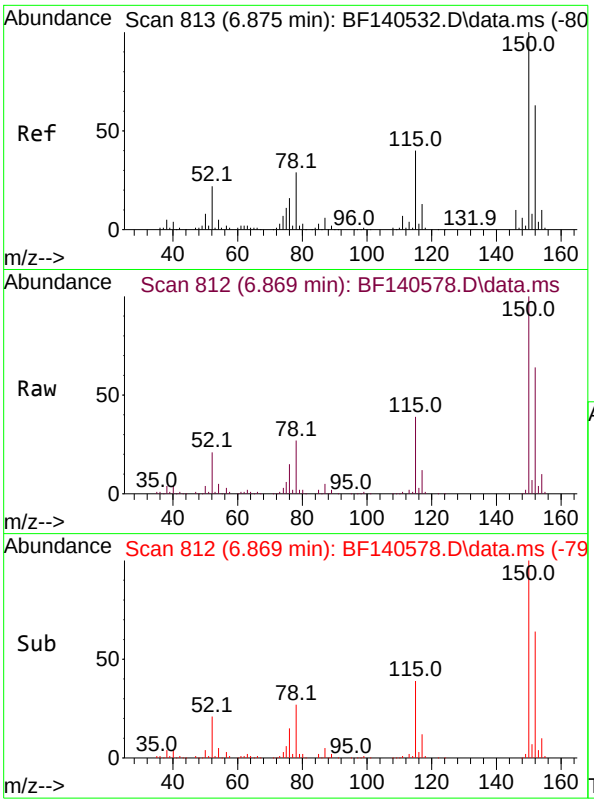
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Time: Nov 22 15:59:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



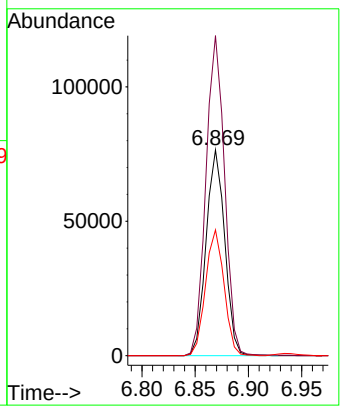


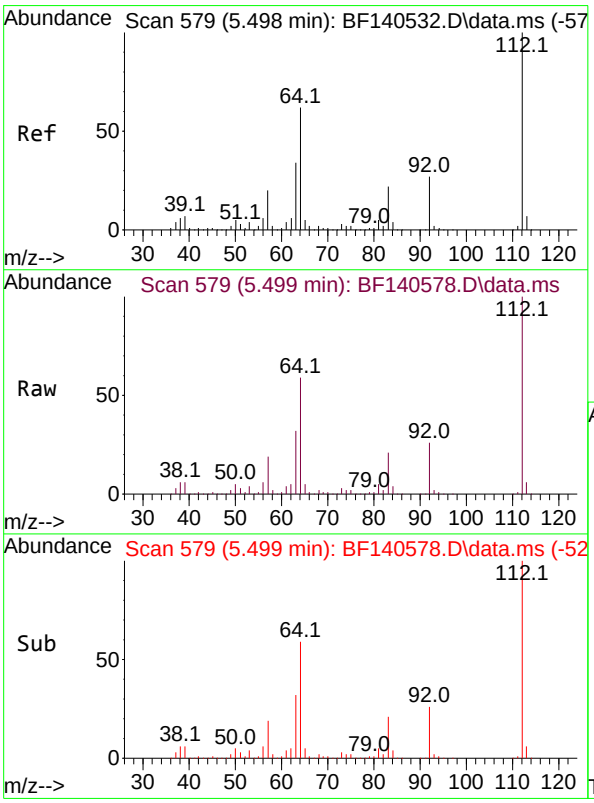
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Tgt Ion:152 Resp: 93283

Ion	Ratio	Lower	Upper
152	100		
150	155.5	128.5	192.7
115	61.1	50.2	75.4

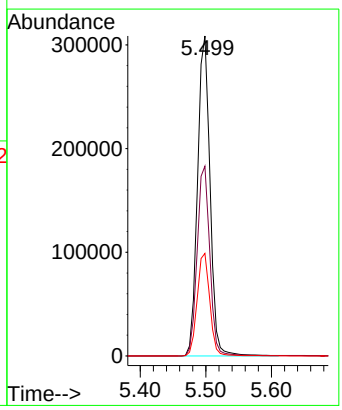


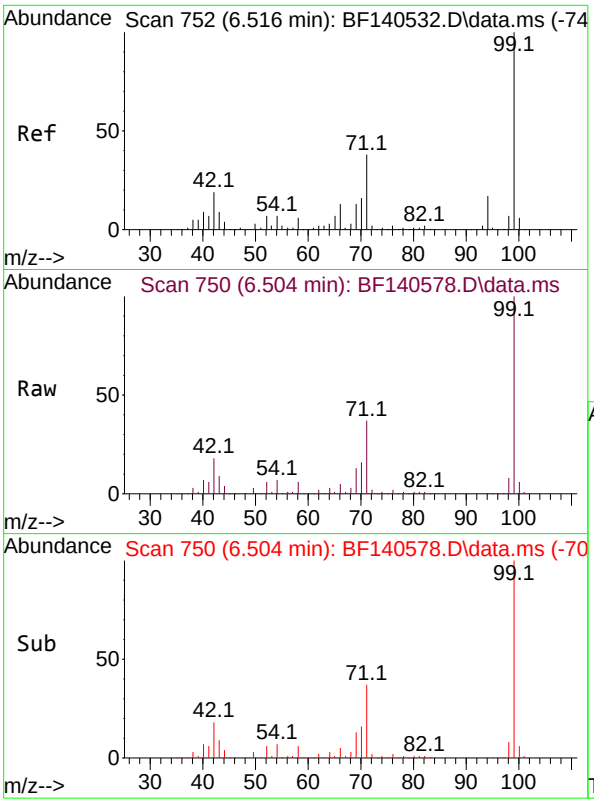


#5
2-Fluorophenol
Concen: 75.228 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Tgt Ion:112 Resp: 411293

Ion	Ratio	Lower	Upper
112	100		
64	59.3	49.2	73.8
63	32.1	27.0	40.4



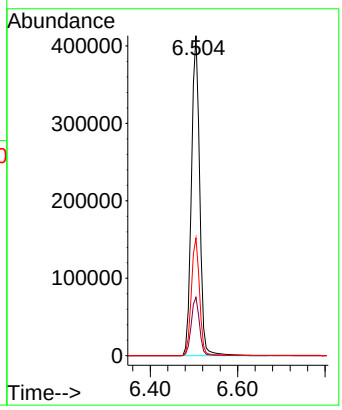


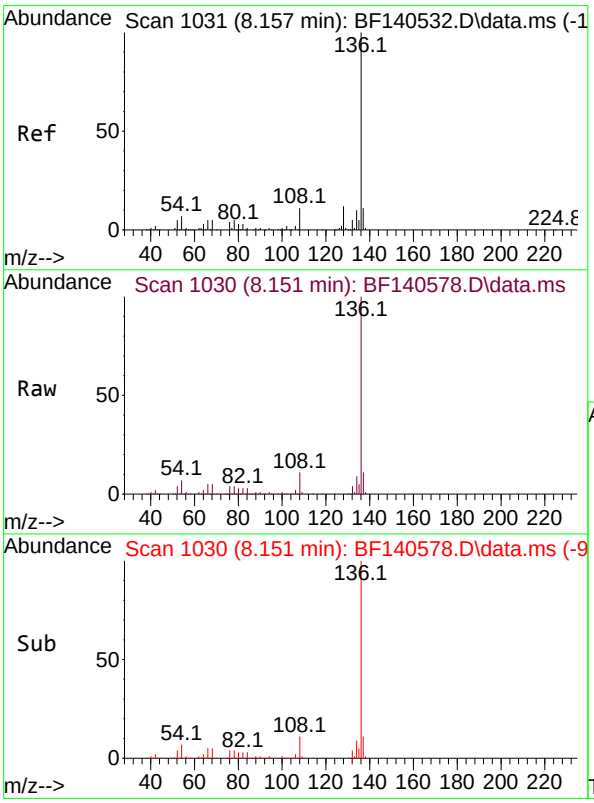
#7
Phenol-d6
Concen: 75.251 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Tgt Ion: 99 Resp: 543906

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.4	23.0
71	36.7	30.6	46.0

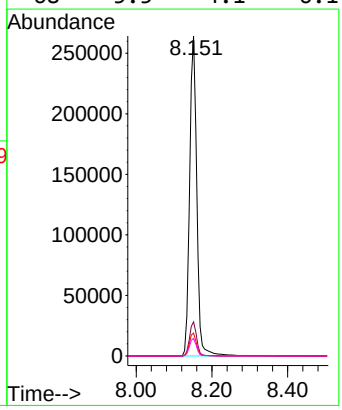


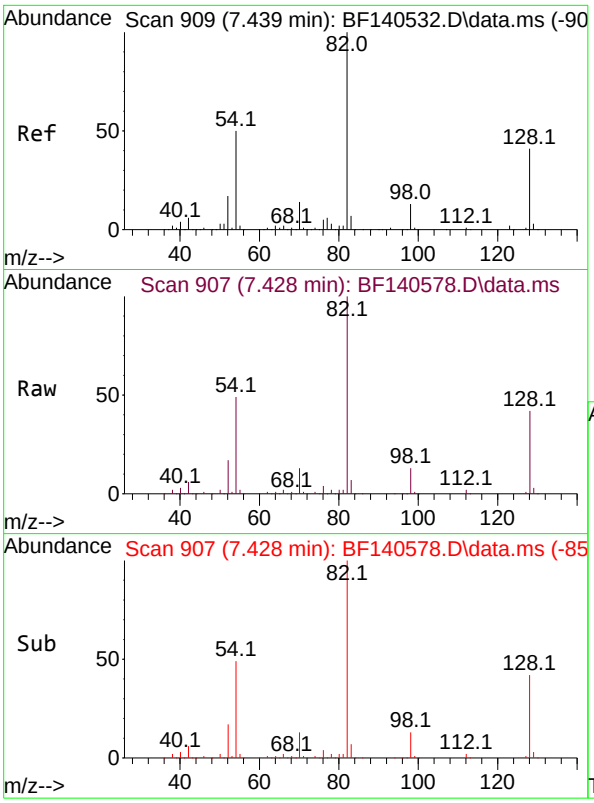


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Tgt Ion:136 Resp: 346410

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.2	5.8	8.8
68	5.5	4.1	6.1



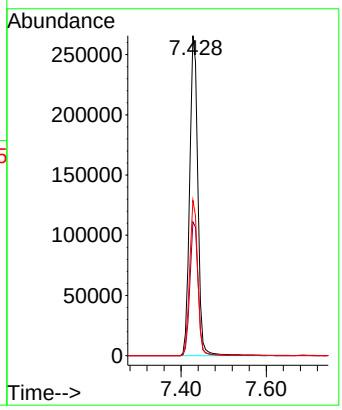


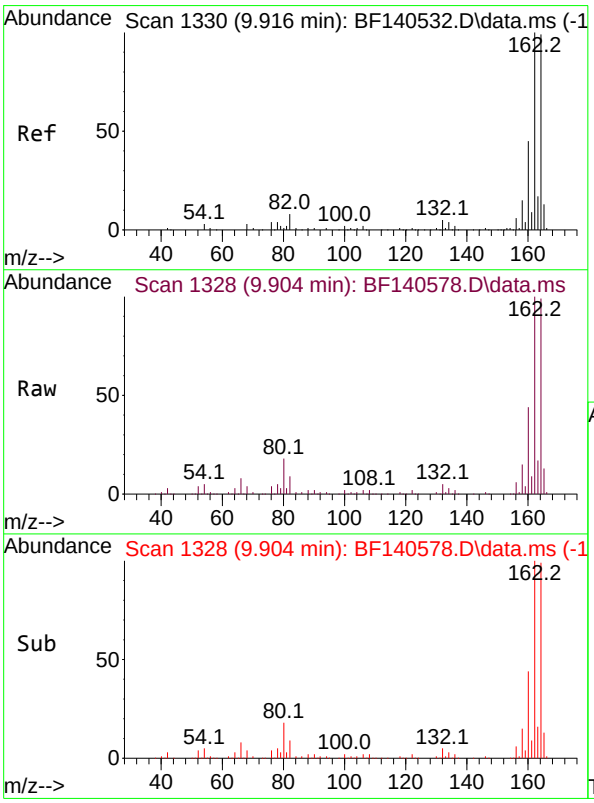
#23
Nitrobenzene-d5
Concen: 52.381 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Tgt Ion: 82 Resp: 354742

Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.0	49.4
54	48.6	39.5	59.3

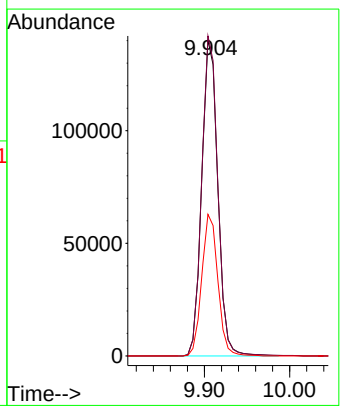


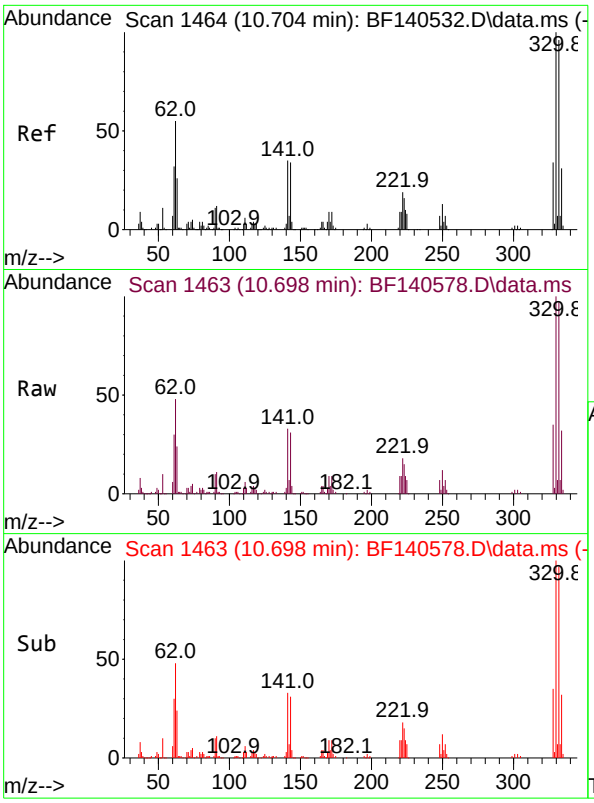


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Tgt Ion:164 Resp: 184115

Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.6	120.8
160	44.8	36.2	54.4



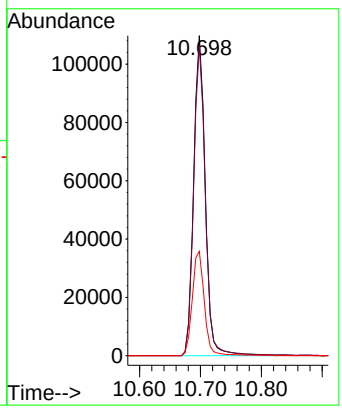


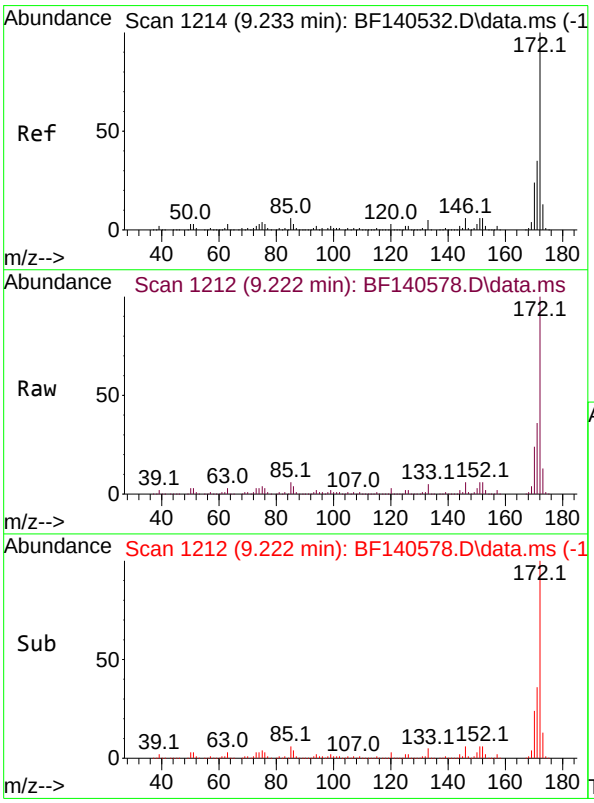
#42
2,4,6-Tribromophenol
Concen: 74.181 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Tgt Ion:330 Resp: 146071

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.9	115.3
141	33.9	26.7	40.1

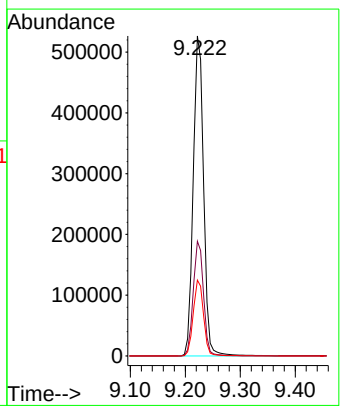


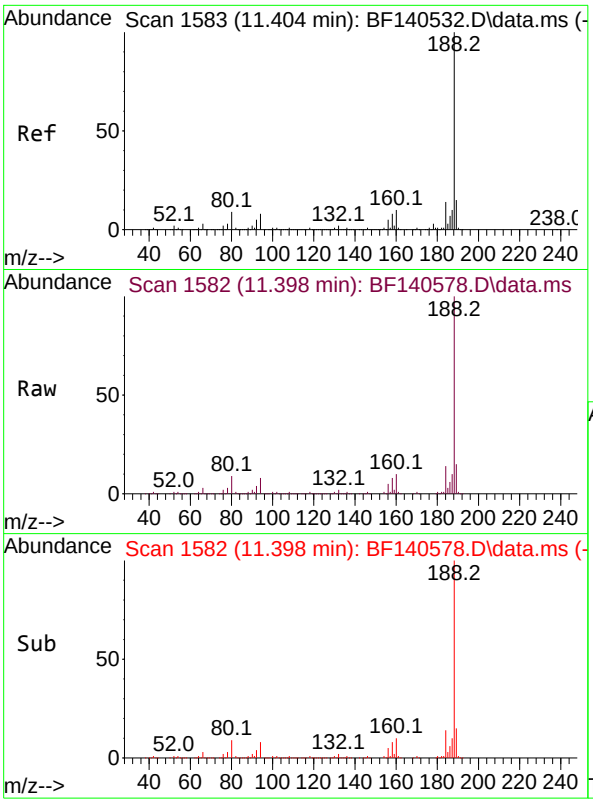


#45
2-Fluorobiphenyl
Concen: 55.773 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Tgt Ion:172 Resp: 689195

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.4	42.6
170	23.7	19.0	28.6



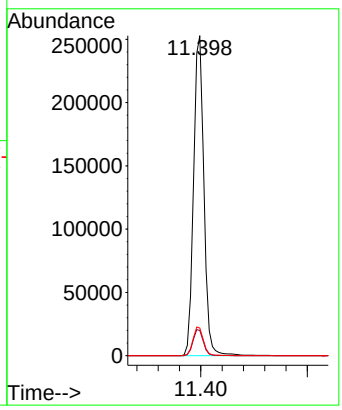


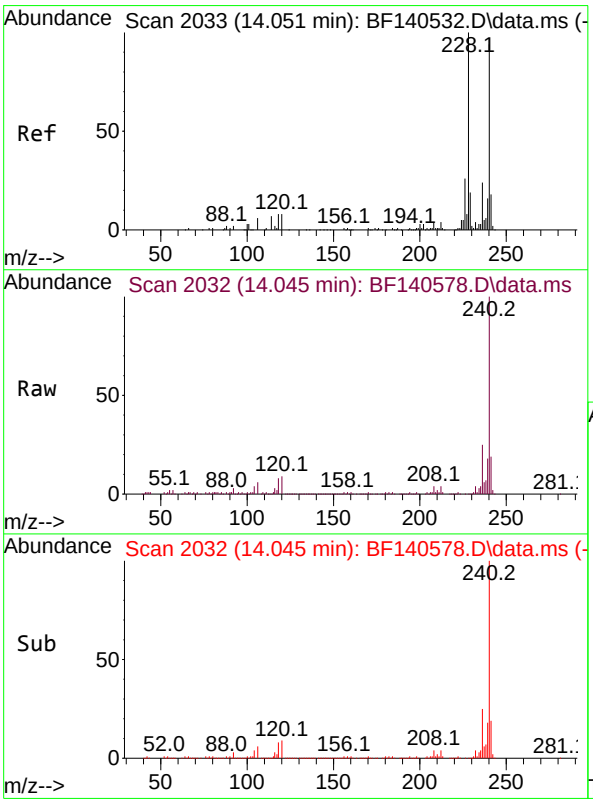
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Tgt Ion:188 Resp: 340852

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.4	9.6
80	8.6	6.9	10.3

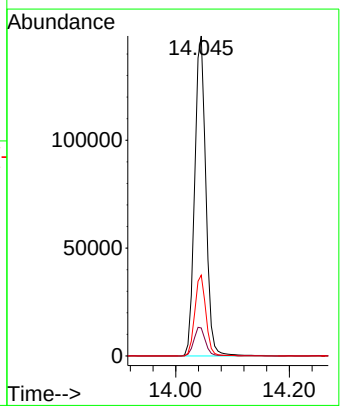


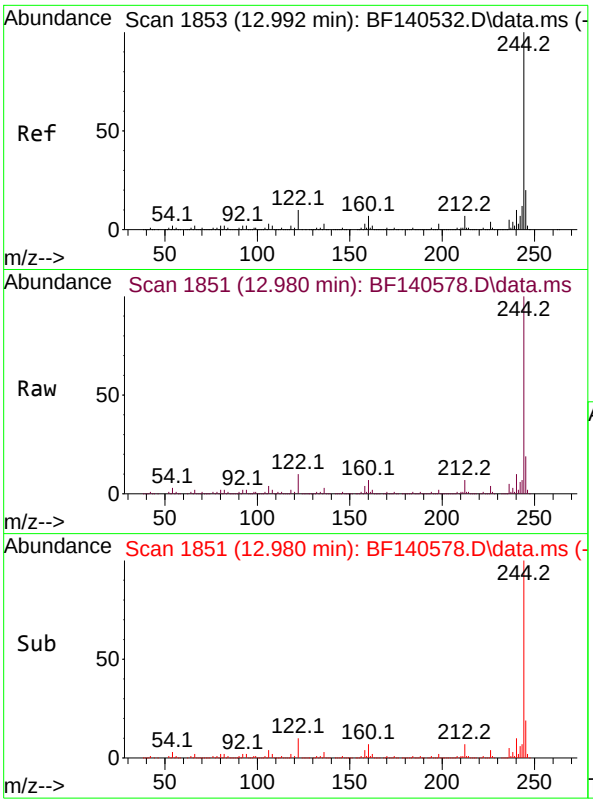


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Tgt Ion:240 Resp: 203007

Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.3	10.9
236	25.3	20.6	31.0



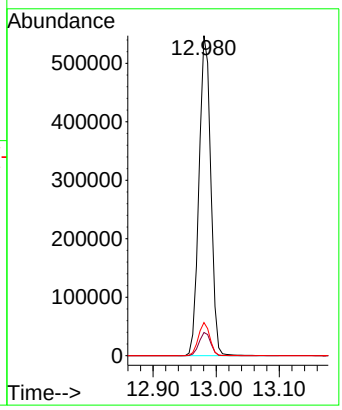


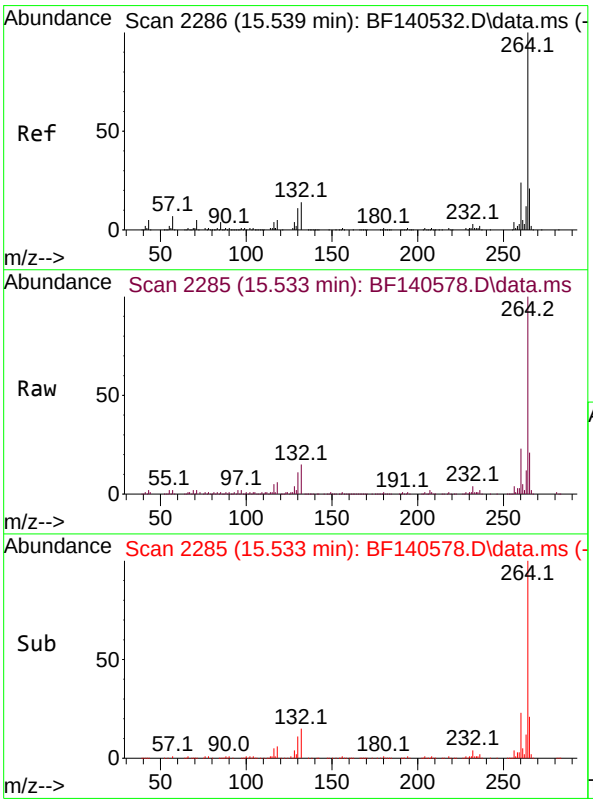
#79
Terphenyl-d14
Concen: 54.143 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Tgt Ion:244 Resp: 705882

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	10.4	8.0	12.0

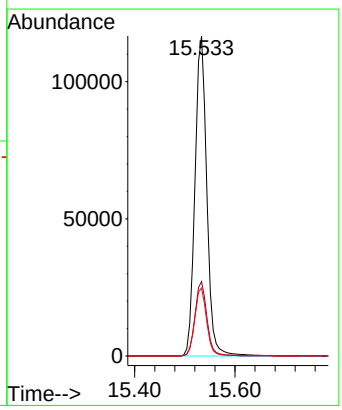




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Tgt Ion:264 Resp: 190451

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.6
265	21.2	16.6	25.0



Sample Results: **BF140578.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140578.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	3	8	15	rVB	632045	997274	50.50%	6.785%
2	5.087	501	509	520	rBV	20430	34982	1.77%	0.238%
3	5.499	573	579	598	rBV	1091468	1462476	74.05%	9.951%
4	6.504	744	750	774	rBV	1163733	1541971	78.08%	10.492%
5	6.869	807	812	817	rBV	449413	544959	27.59%	3.708%
6	7.428	902	907	918	rBV	755586	995695	50.42%	6.775%
7	7.687	947	951	963	rVB	11169	23683	1.20%	0.161%
8	8.151	1024	1030	1043	rBV	534347	690774	34.98%	4.700%
9	9.222	1207	1212	1223	rBV	1535184	1974892	100.00%	13.437%
10	9.904	1323	1328	1341	rBV	595458	773003	39.14%	5.260%
11	10.616	1445	1449	1458	rBV	282552	368338	18.65%	2.506%
12	10.698	1458	1463	1478	rVV	826556	1113695	56.39%	7.578%
13	10.928	1495	1502	1512	rBV	47805	65079	3.30%	0.443%
14	11.398	1576	1582	1590	rBV	597238	805271	40.78%	5.479%
15	11.922	1666	1671	1680	rBV	88391	156485	7.92%	1.065%
16	12.416	1751	1755	1761	rBV	16245	22820	1.16%	0.155%
17	12.980	1846	1851	1859	rBV	1454675	1855529	93.96%	12.625%
18	13.886	2000	2005	2018	rBV4	42820	123822	6.27%	0.842%
19	14.045	2027	2032	2041	rVB	403201	552594	27.98%	3.760%
20	14.886	2172	2175	2180	rVB	28716	39381	1.99%	0.268%
21	15.533	2279	2285	2295	rVB	312999	518542	26.26%	3.528%
22	16.439	2435	2439	2444	rVB4	20877	35879	1.82%	0.244%

Sum of corrected areas: 14697144

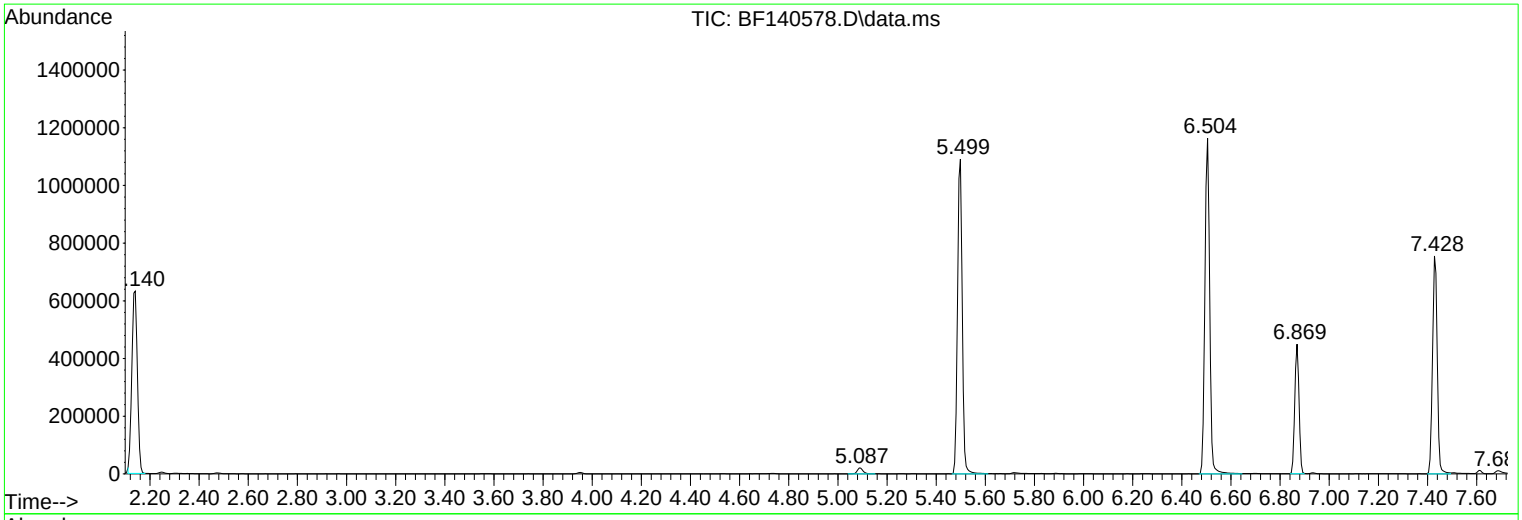
Sample Results: **BF140578.D**

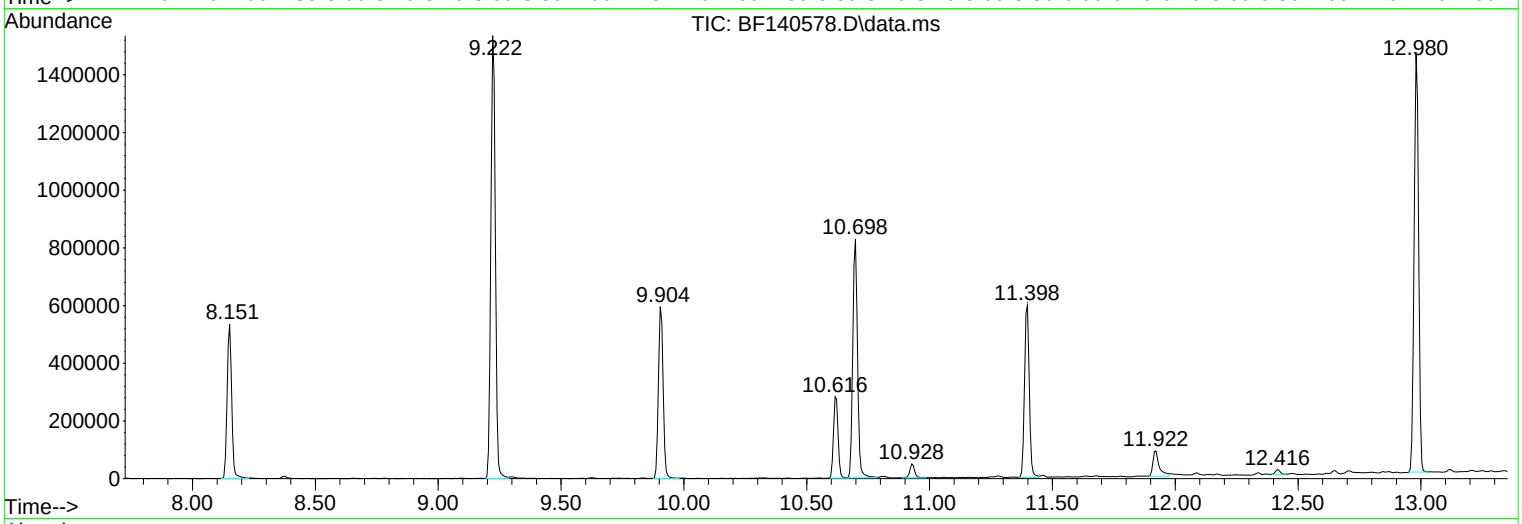
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

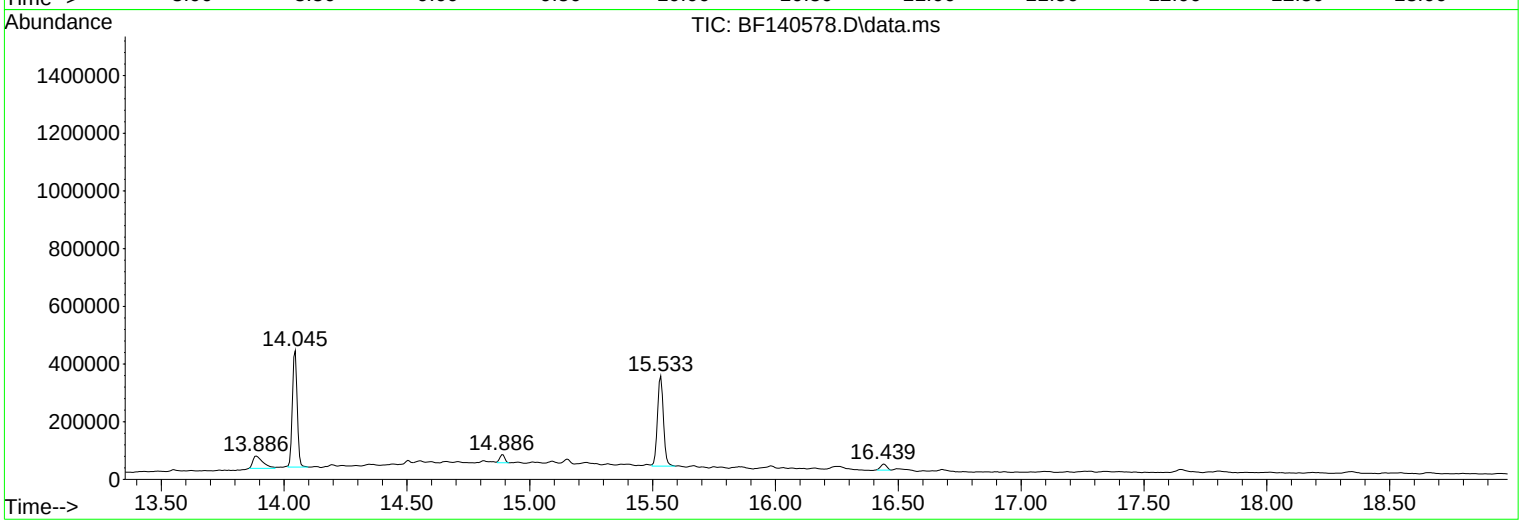
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

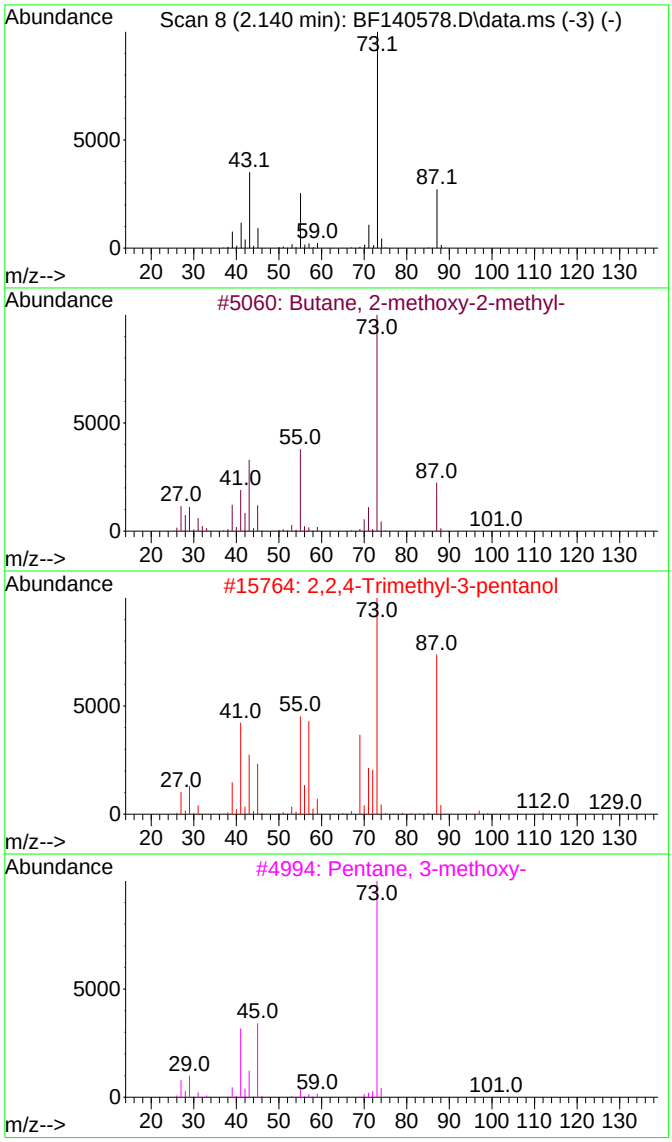
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

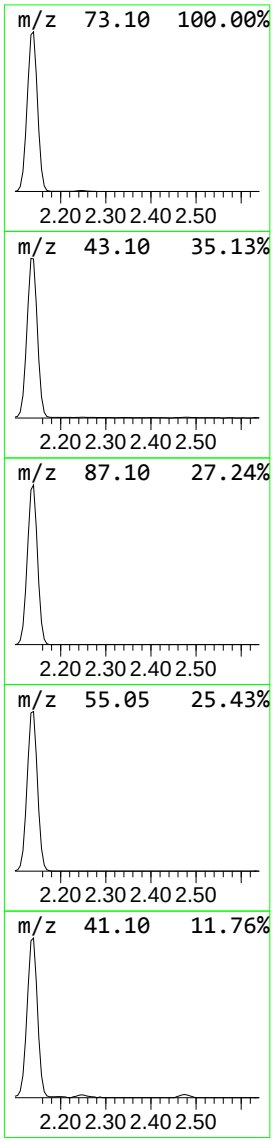
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	36.60 ng	997274	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

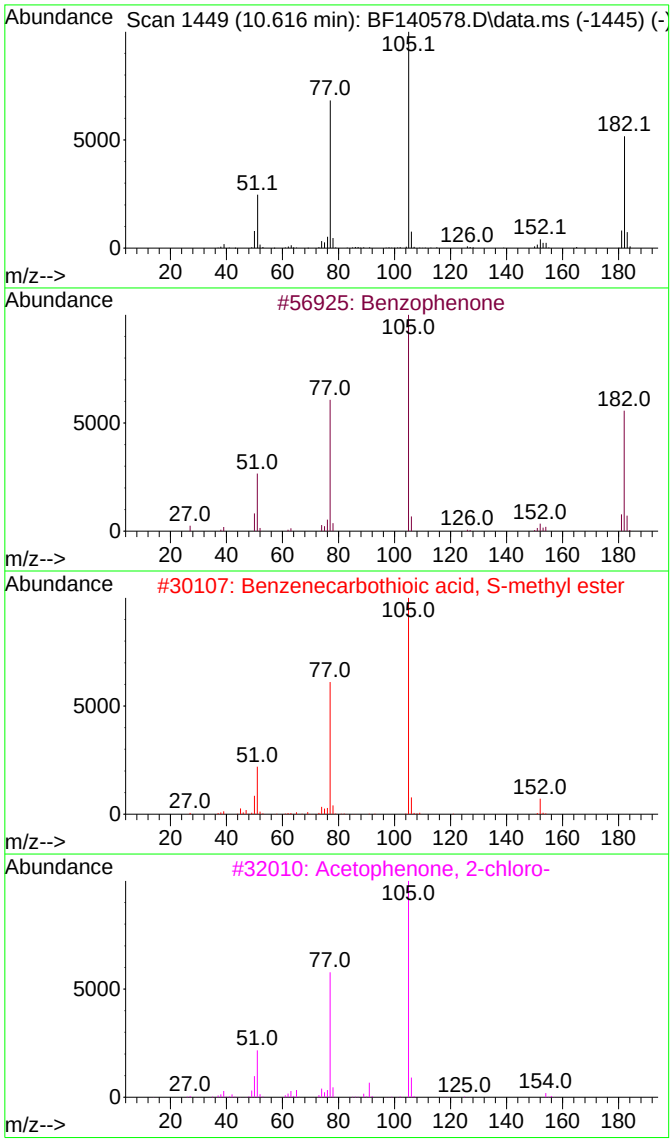
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

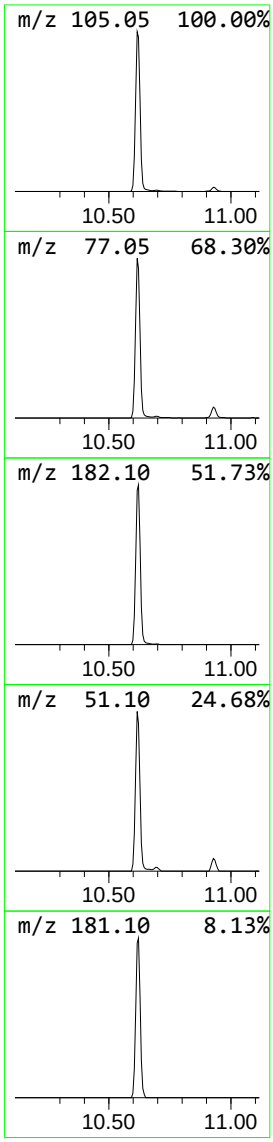
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Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	9.53 ng	368338	Acenaphthene-d10	9.904

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	52
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
5	.alpha.,.alpha.-Dichloroacetophe...	188	C8H6Cl2O	002648-61-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

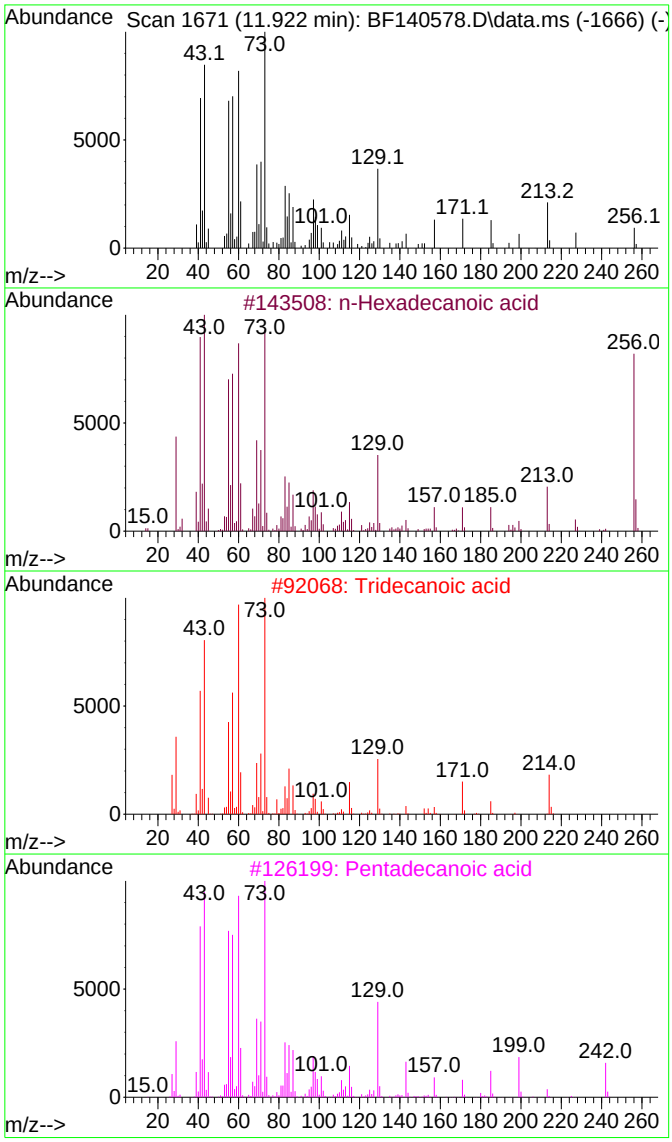
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TIC Integration Parameters: LSCINT.P

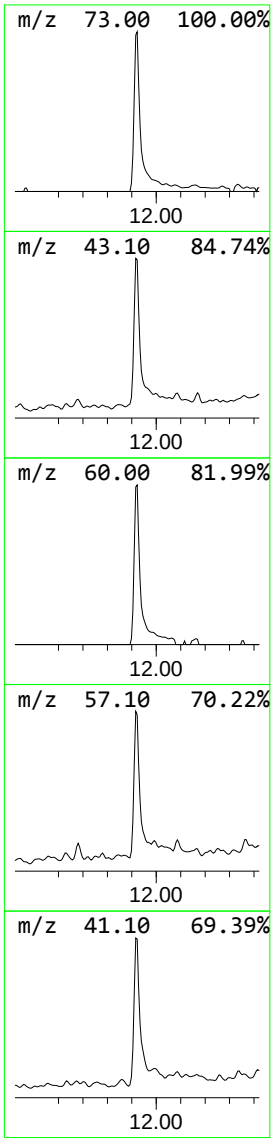
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	3.89 ng	156485	Phenanthrene-d10	11.398

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	87
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Estra-1,3,5(10)-trien-17.beta.-ol	256	C18H24O	002529-64-8	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

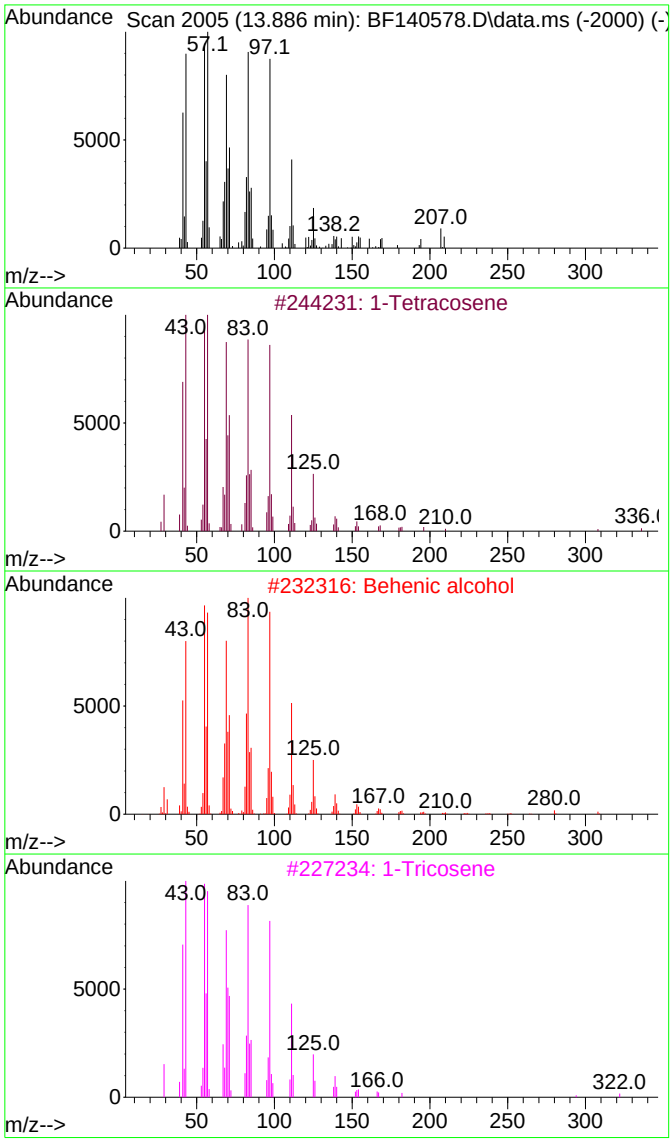
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

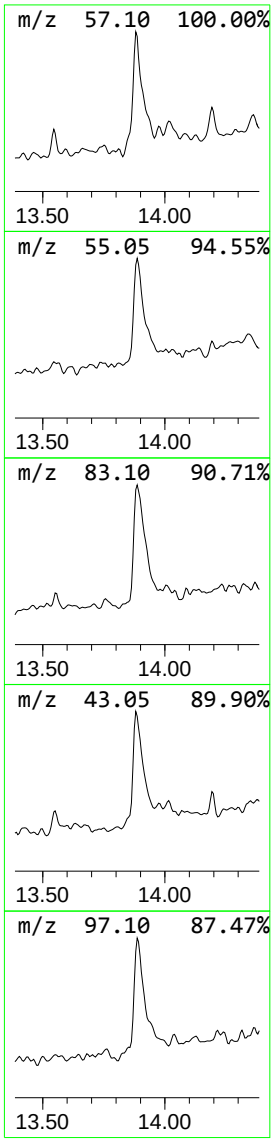
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Peak Number 4 1-Tetracosene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	4.48 ng	123822	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tetracosene	336	C24H48	010192-32-2	94
2	Behenic alcohol	326	C22H46O	000661-19-8	94
3	1-Tricosene	322	C23H46	018835-32-0	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	94
5	1-Hexacosene	364	C26H52	018835-33-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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...	2.140	36.6	ng	997274	1	6.869	544959	20.0
Benzophenone	10.616	9.5	ng	368338	3	9.904	773003	20.0
n-Hexadecanoic ...	11.922	3.9	ng	156485	4	11.398	805271	20.0
1-Tetracosene	13.886	4.5	ng	123822	5	14.045	552594	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Time: Nov 26 00:08:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

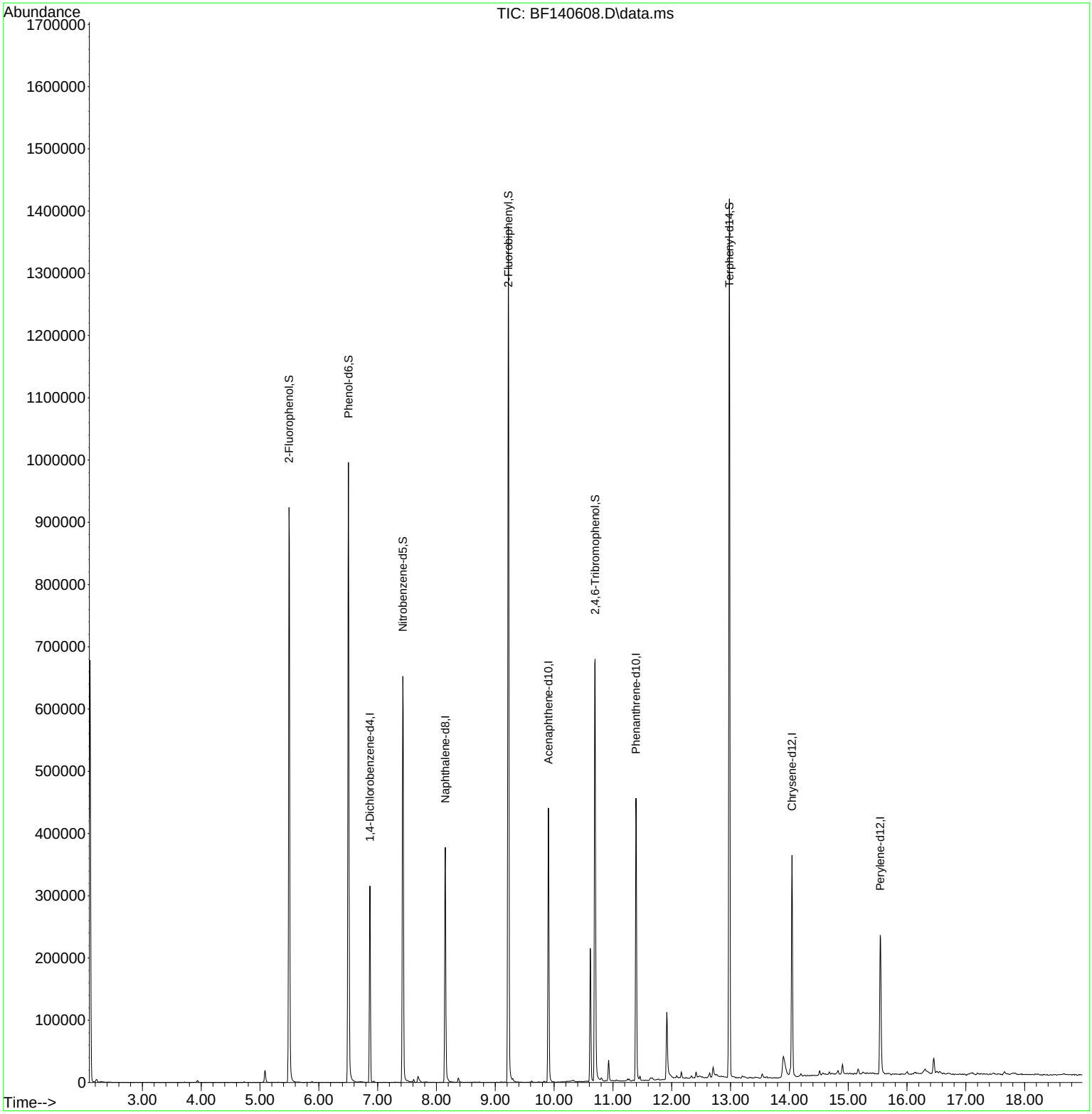
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	65730	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	249226	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	135754	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	253640	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	176049	20.000	ng	0.00
86) Perylene-d12	15.545	264	146465	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	350615	91.012	ng	0.00
7) Phenol-d6	6.504	99	460783	90.475	ng	-0.01
23) Nitrobenzene-d5	7.428	82	307735	63.158	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	124598	85.817	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	607797	66.708	ng	-0.01
79) Terphenyl-d14	12.980	244	684477	60.541	ng	-0.01
Target Compounds						Qvalue

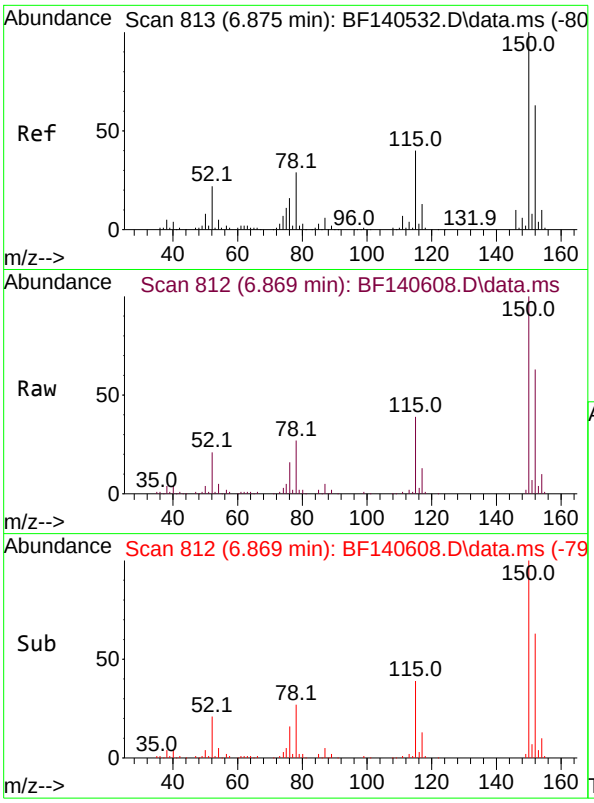
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Time: Nov 26 00:08:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



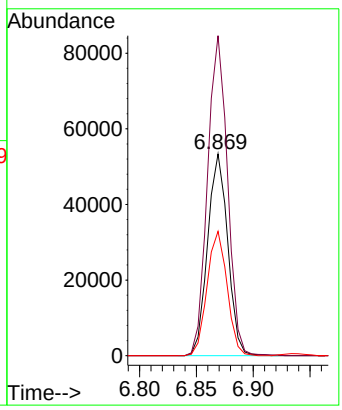


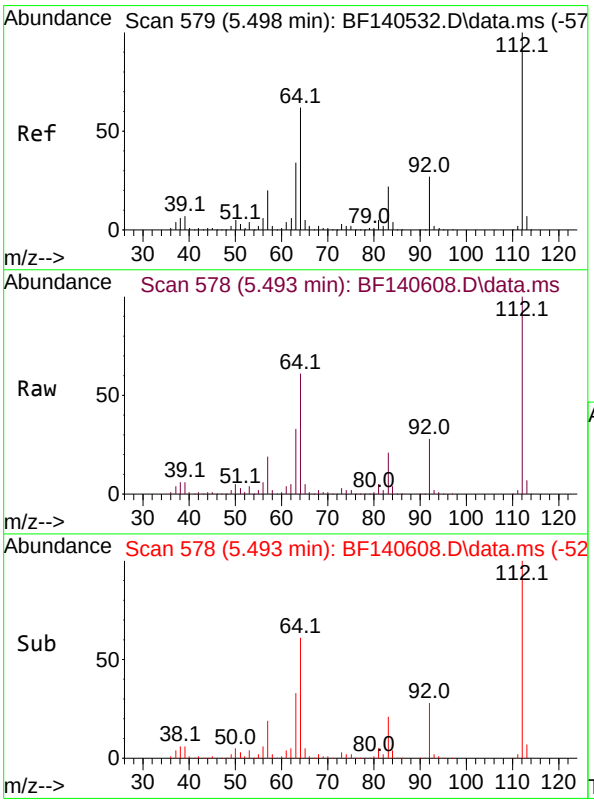
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Tgt Ion:152 Resp: 65730

Ion	Ratio	Lower	Upper
152	100		
150	158.6	128.5	192.7
115	61.6	50.2	75.4

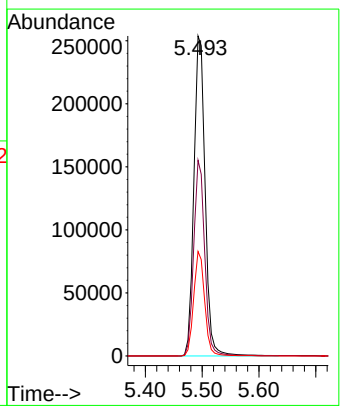


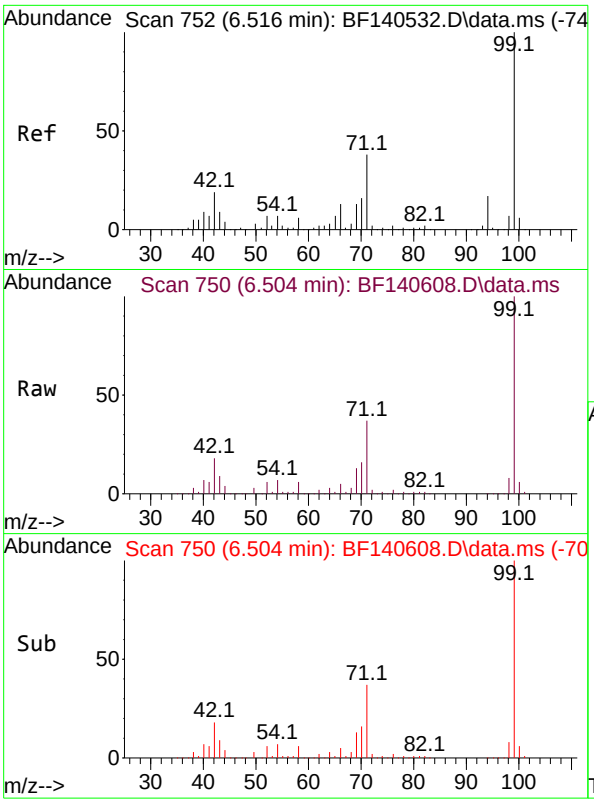


#5
2-Fluorophenol
Concen: 91.012 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Tgt Ion:112 Resp: 350615

Ion	Ratio	Lower	Upper
112	100		
64	61.1	49.2	73.8
63	32.7	27.0	40.4



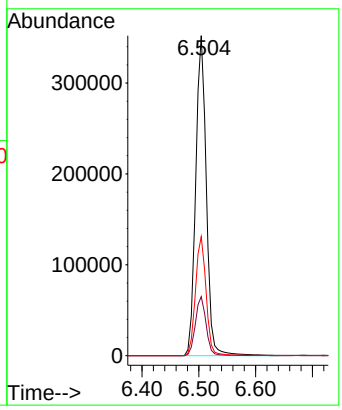


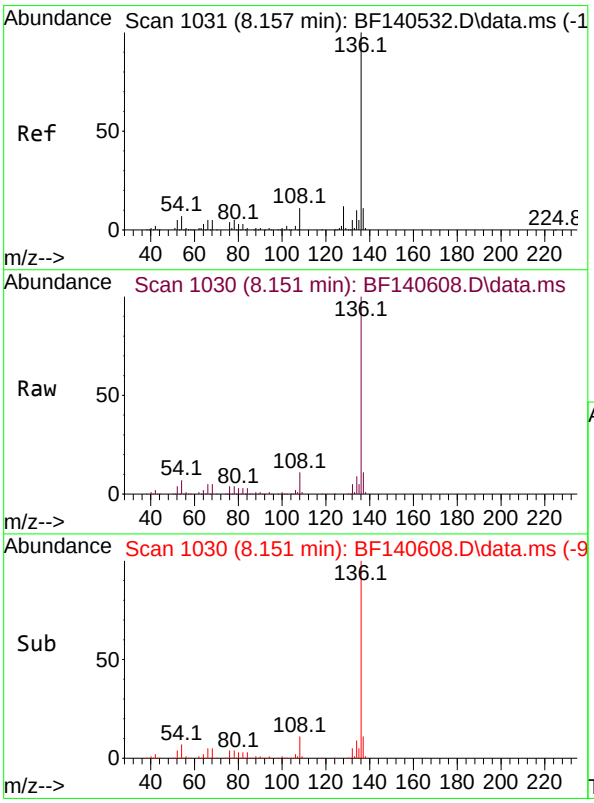
#7
Phenol-d6
Concen: 90.475 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Tgt Ion: 99 Resp: 460783

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.4	23.0
71	37.2	30.6	46.0

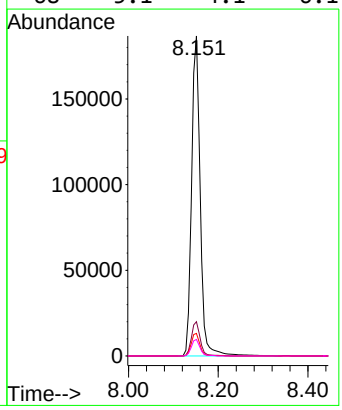


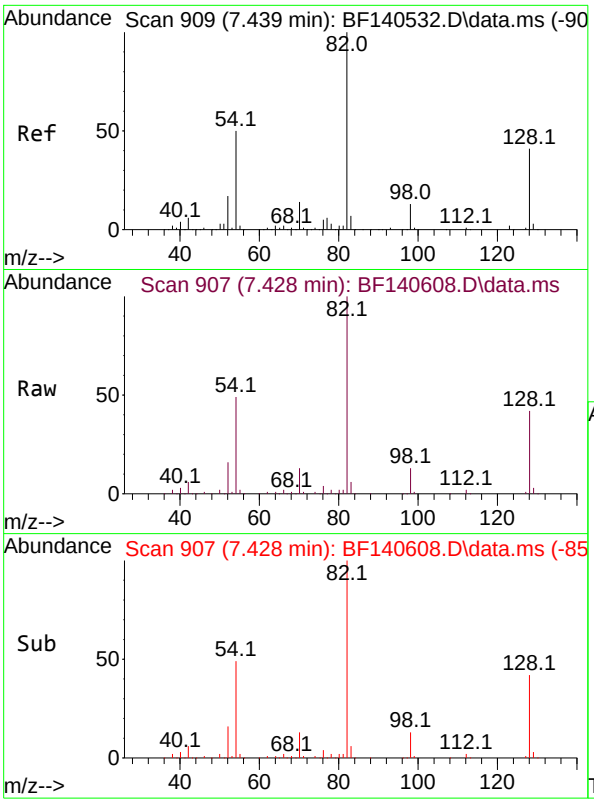


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Tgt Ion:136 Resp: 249226

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.1	5.8	8.8
68	5.1	4.1	6.1



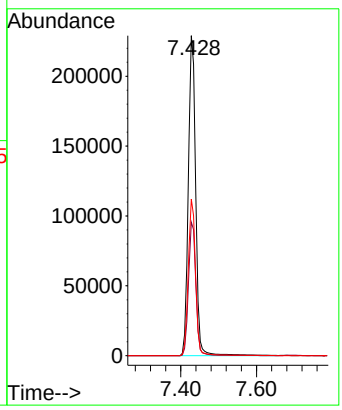


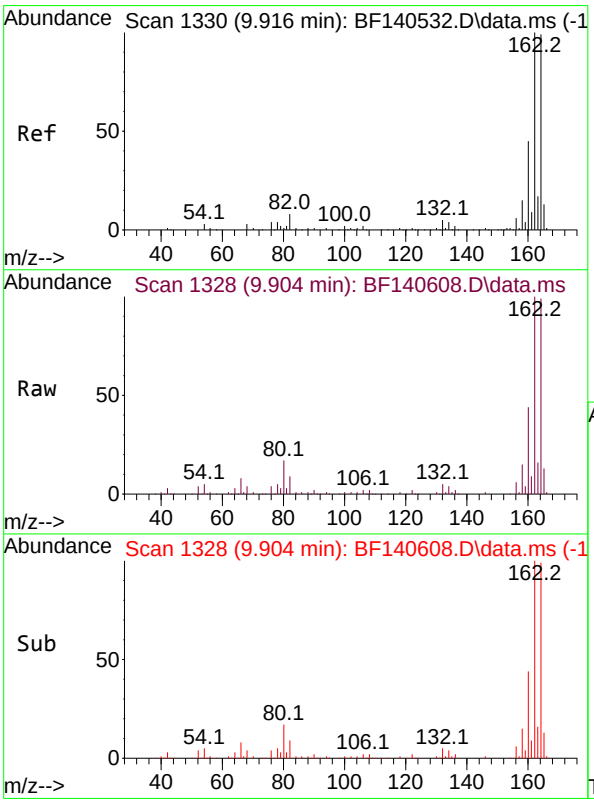
#23
Nitrobenzene-d5
Concen: 63.158 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Tgt Ion: 82 Resp: 307735

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.0	49.4
54	49.0	39.5	59.3

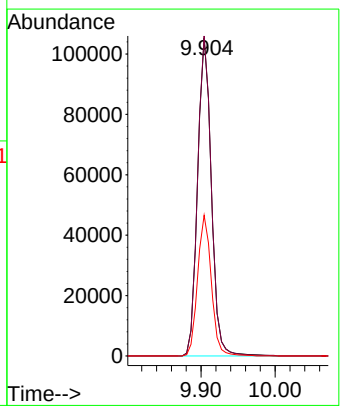


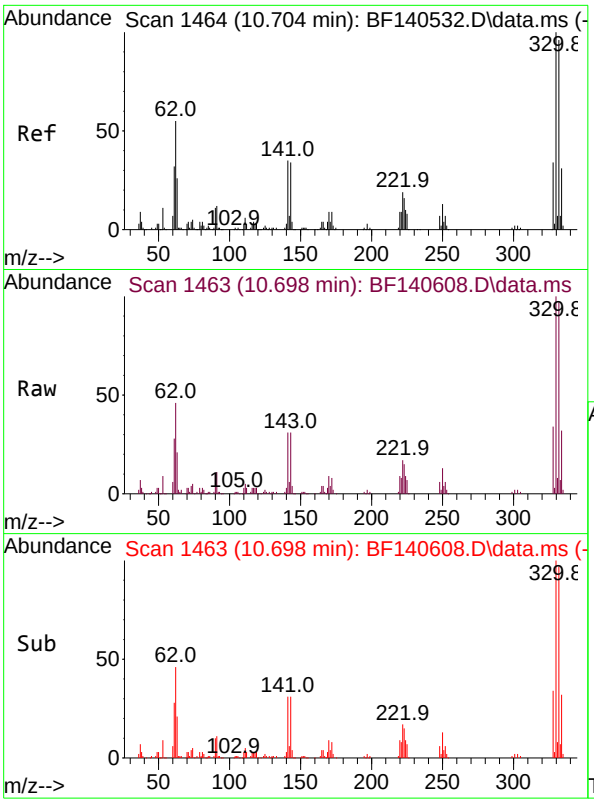


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Tgt Ion:164 Resp: 135754

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	44.2	36.2	54.4



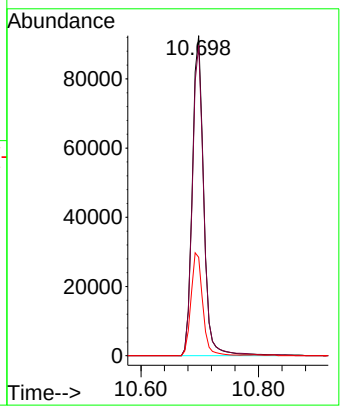


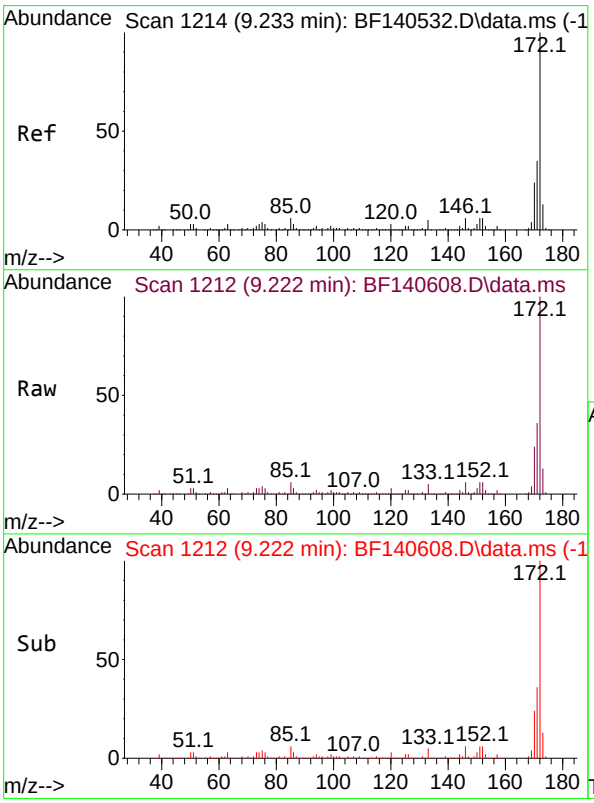
#42
2,4,6-Tribromophenol
Concen: 85.817 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Tgt Ion:330 Resp: 124598

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.9	115.3
141	33.1	26.7	40.1

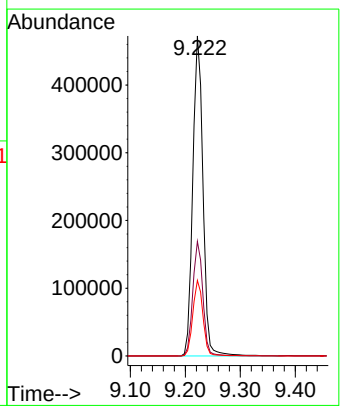


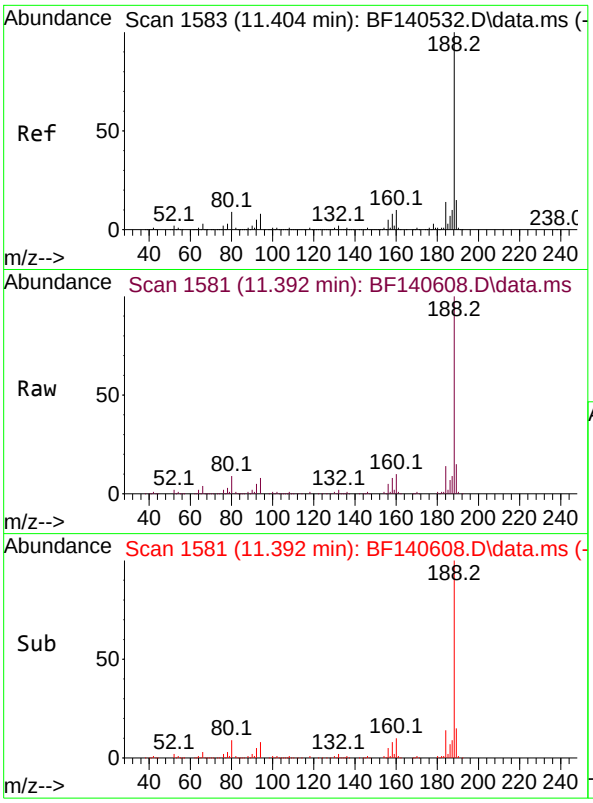


#45
2-Fluorobiphenyl
Concen: 66.708 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Tgt Ion:172 Resp: 607797

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.4	42.6
170	23.6	19.0	28.6



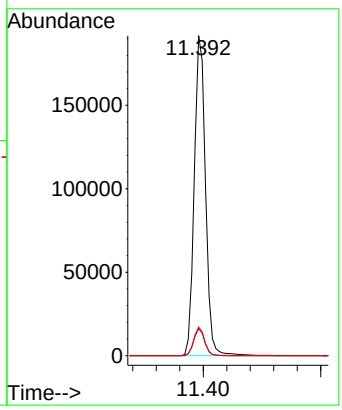


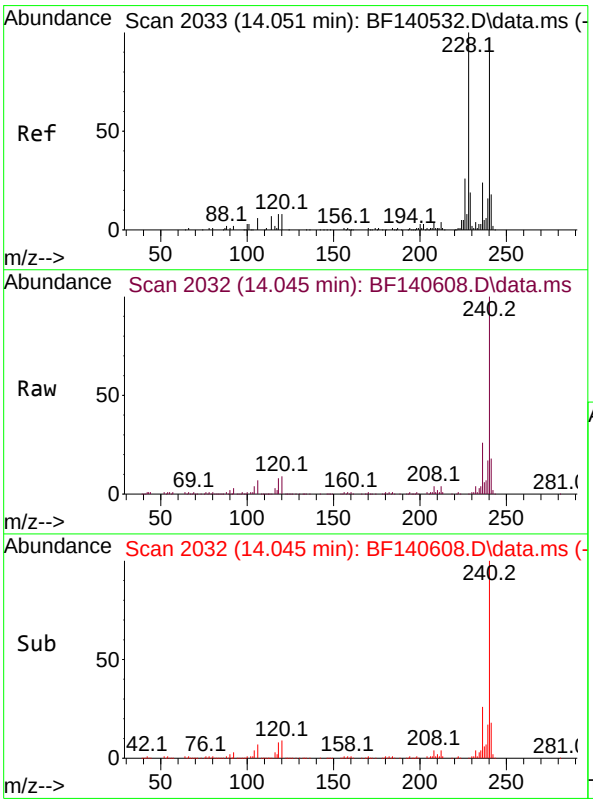
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Tgt Ion:188 Resp: 253640

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.4	9.6
80	8.9	6.9	10.3

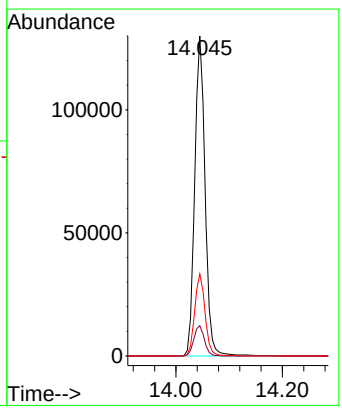


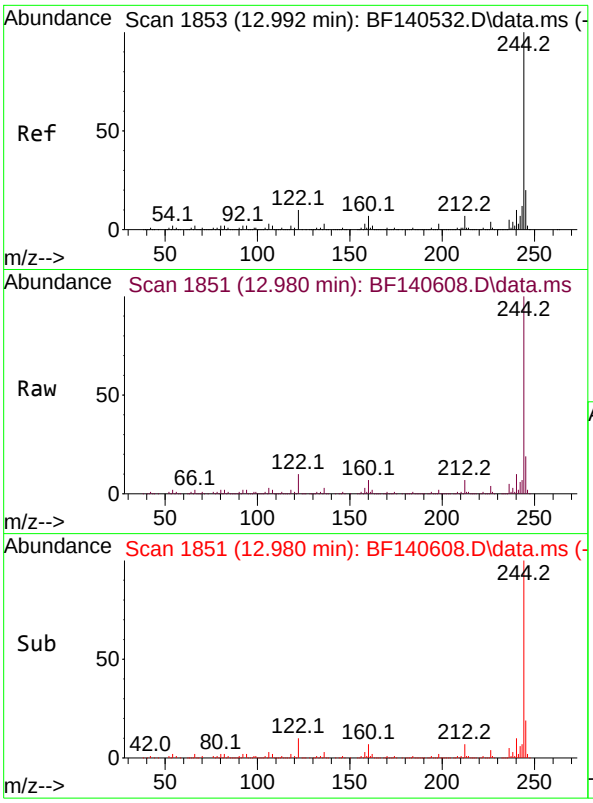


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Tgt Ion:240 Resp: 176049

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.3	10.9
236	25.7	20.6	31.0



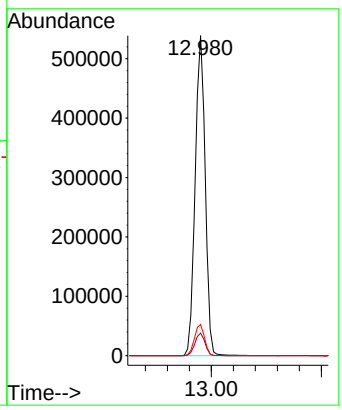


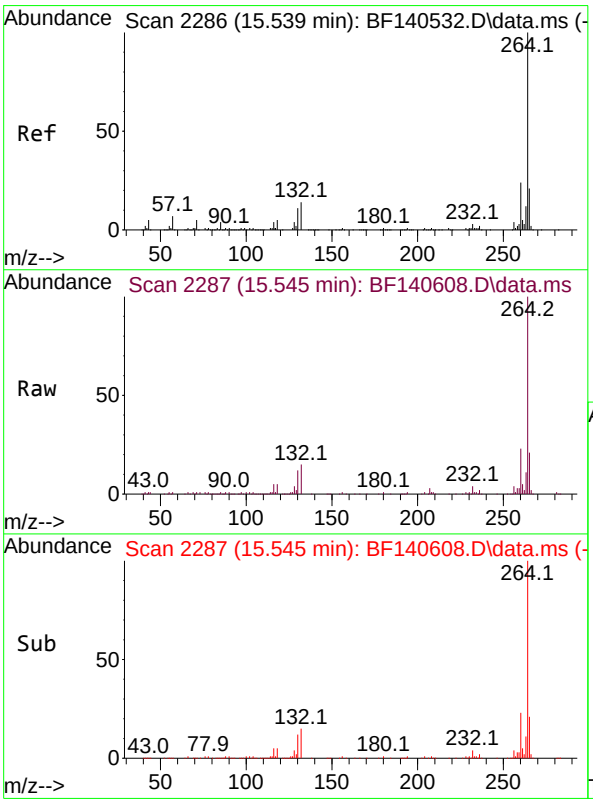
#79
Terphenyl-d14
Concen: 60.541 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Tgt Ion:244 Resp: 684477

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	9.8	8.0	12.0

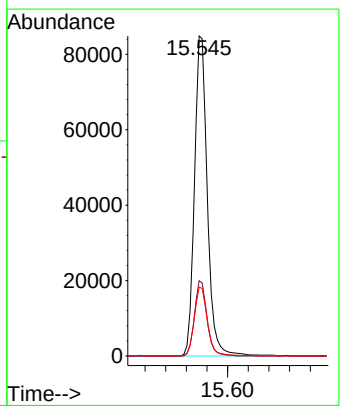




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. 0.006 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Tgt Ion:264 Resp: 146465

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	21.5	16.6	25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140608.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	500	509	520	rBV	18912	31211	1.74%	0.270%
2	5.493	573	578	598	rBV	923606	1254820	70.04%	10.850%
3	6.504	744	750	775	rBV	996261	1317890	73.56%	11.395%
4	6.869	807	812	820	rBV	315472	385136	21.50%	3.330%
5	7.428	902	907	918	rBV	652264	858938	47.94%	7.427%
6	7.687	945	951	966	rBV2	9349	20131	1.12%	0.174%
7	8.151	1024	1030	1043	rBV	377420	497479	27.77%	4.301%
8	9.222	1207	1212	1223	rBV	1374884	1738917	97.06%	15.035%
9	9.904	1323	1328	1342	rBV	440591	564535	31.51%	4.881%
10	10.616	1444	1449	1457	rBV	213999	269990	15.07%	2.334%
11	10.698	1457	1463	1478	rVV	677347	944443	52.72%	8.166%
12	10.928	1497	1502	1511	rVB	33028	42964	2.40%	0.371%
13	11.392	1576	1581	1590	rBV	453953	594800	33.20%	5.143%
14	11.916	1665	1670	1690	rBV	107859	188419	10.52%	1.629%
15	12.704	1799	1804	1812	rBV4	16045	31803	1.78%	0.275%
16	12.980	1845	1851	1856	rBV	1411511	1791596	100.00%	15.491%
17	13.898	2000	2007	2022	rBV4	32895	117396	6.55%	1.015%
18	14.045	2027	2032	2039	rVB	352973	471822	26.34%	4.080%
19	14.904	2174	2178	2186	rVB	14964	21163	1.18%	0.183%
20	15.545	2281	2287	2301	rBV	222868	378632	21.13%	3.274%
21	16.457	2436	2442	2447	rBV5	24355	43343	2.42%	0.375%

Sum of corrected areas: 11565428

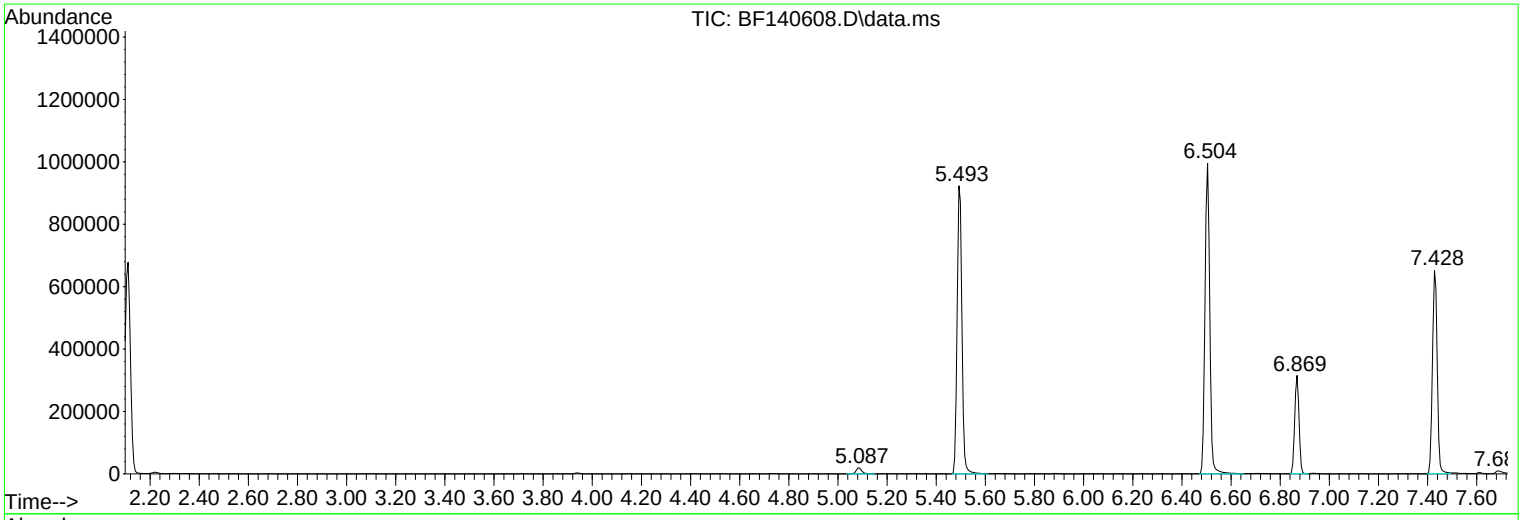
Sample Results: **BF140608.D**

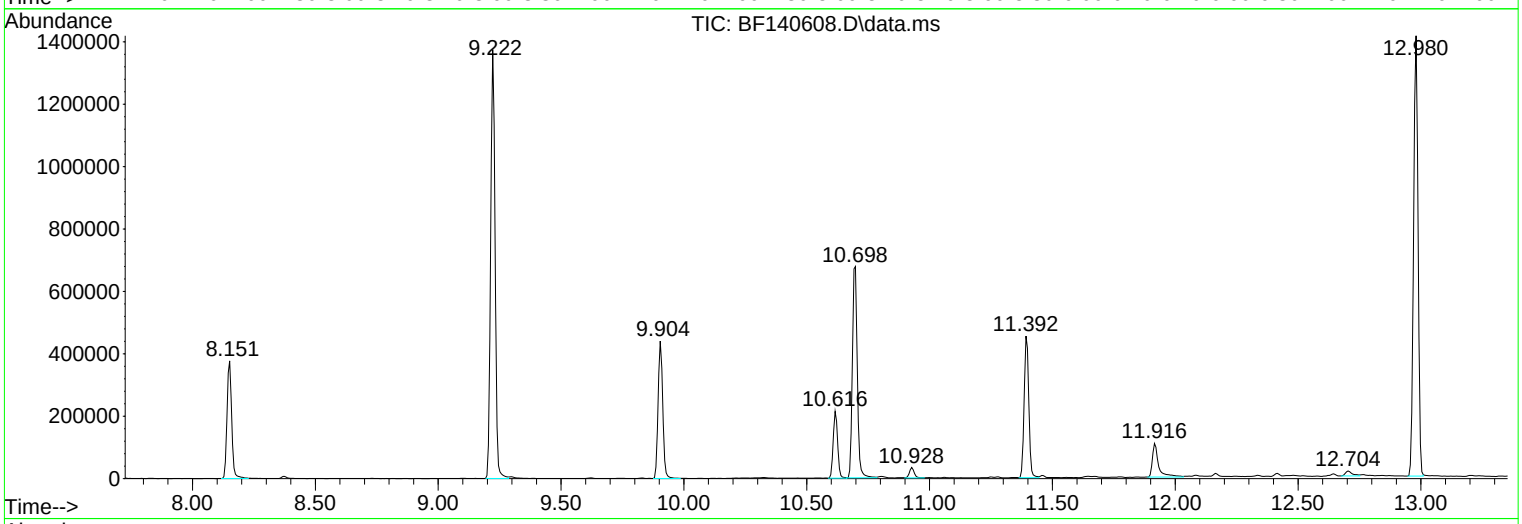
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

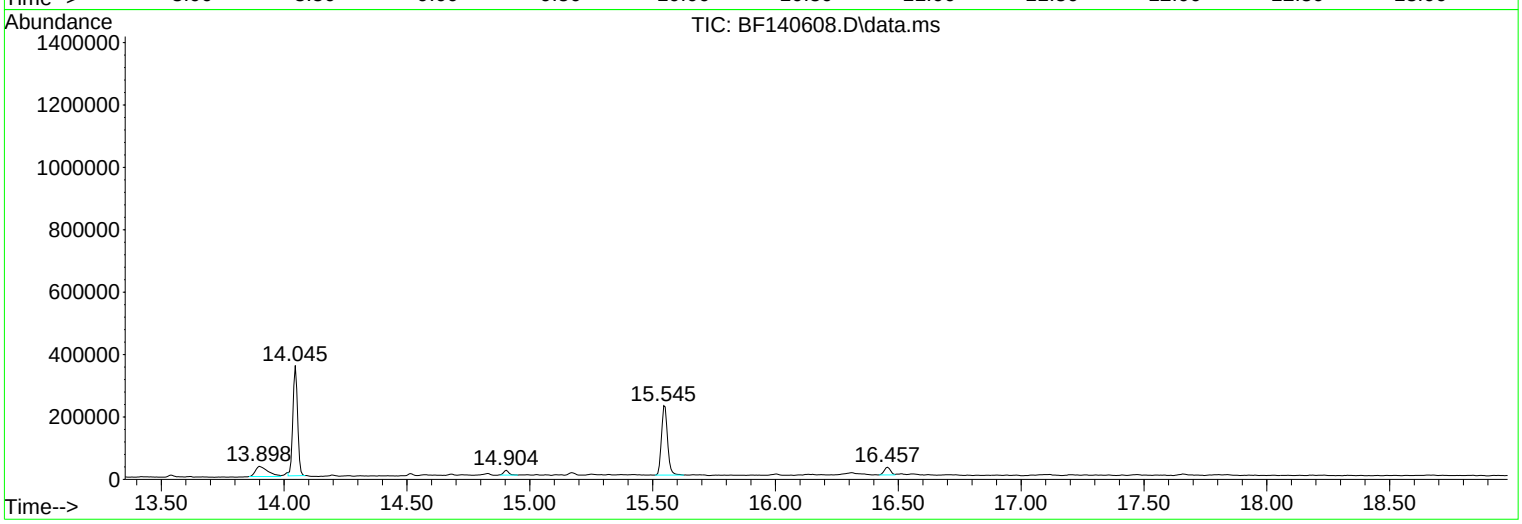
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

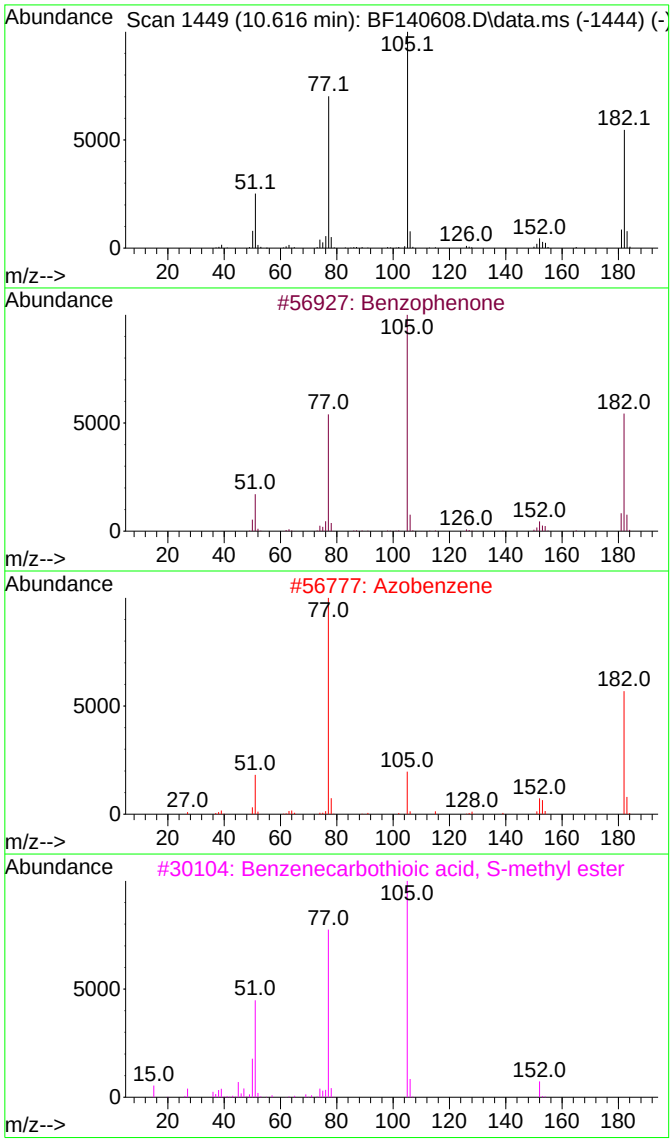
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

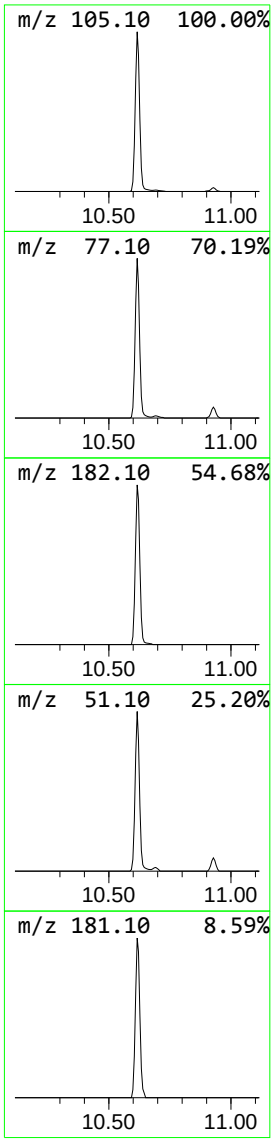
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Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	9.57 ng	269990	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
5	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On    : 25 Nov 2024  17:41
Operator  : RC/JU
Sample    : P4860-09
Misc      :
ALS Vial  : 6   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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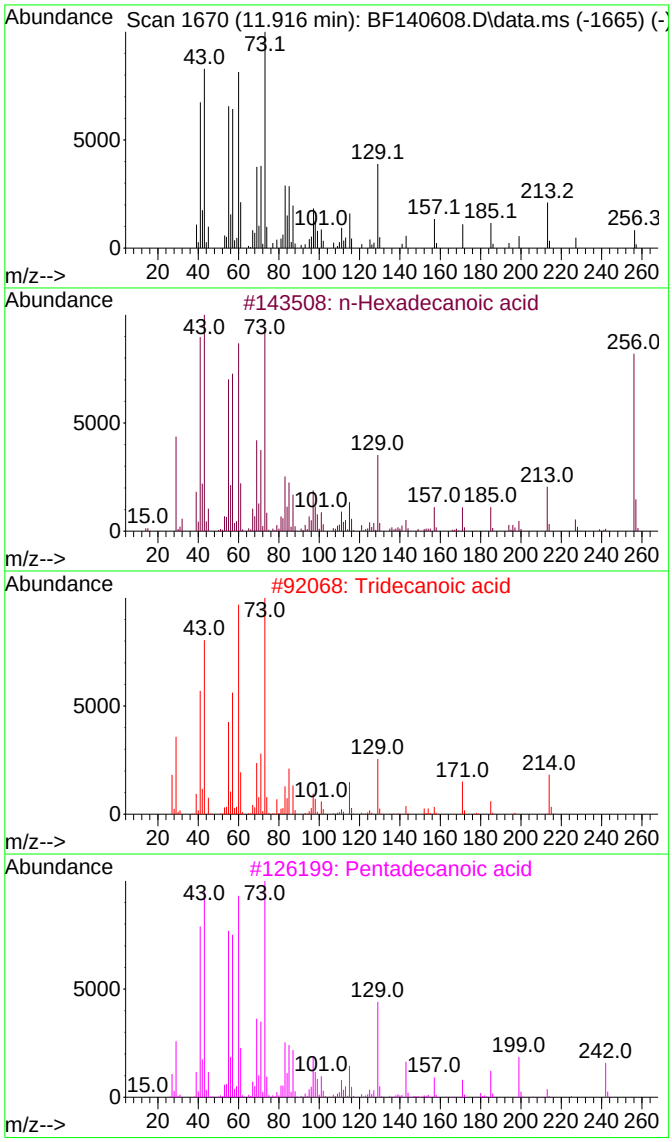
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

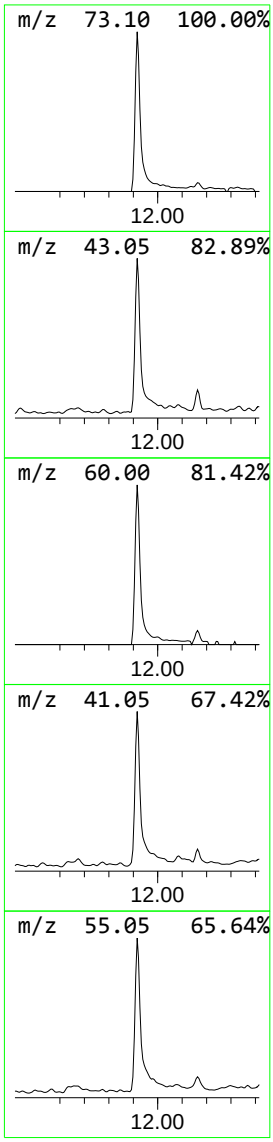
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Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	6.34 ng	188419	Phenanthrene-d10	11.392

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	87
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

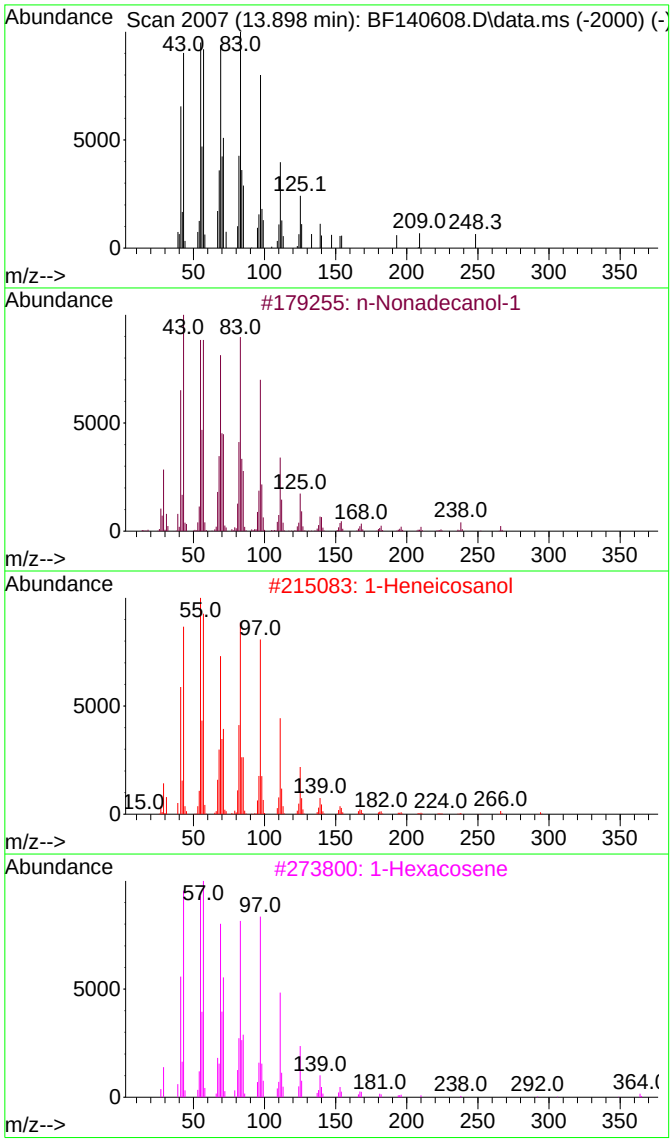
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

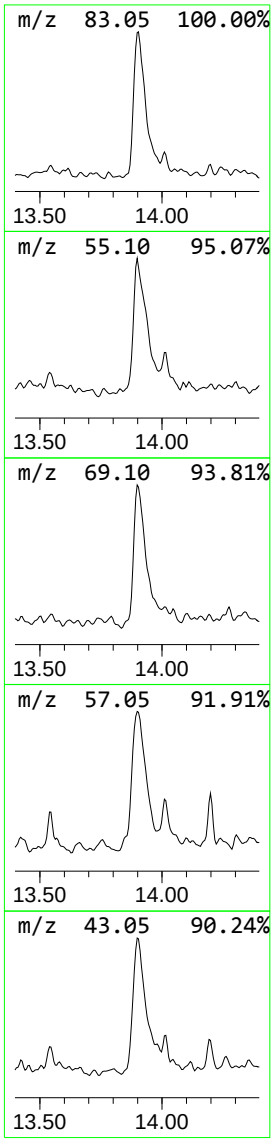
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Peak Number 3 n-Nonadecanol-1 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	4.98 ng	117396	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	95
3	1-Hexacosene	364	C26H52	018835-33-1	95
4	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	94
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

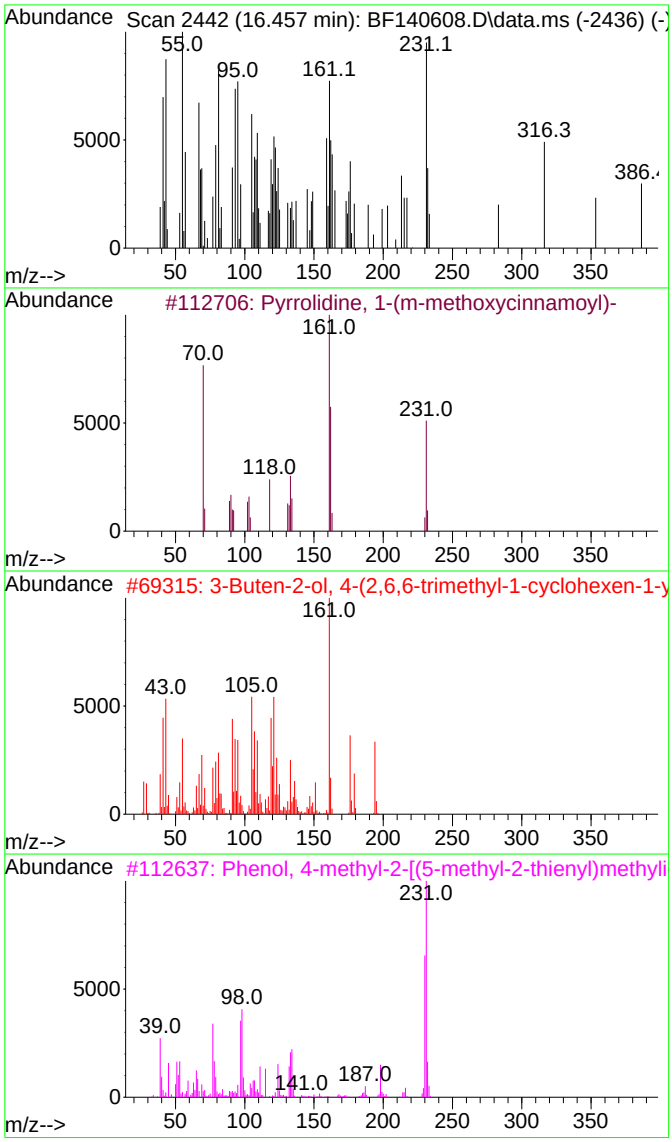
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

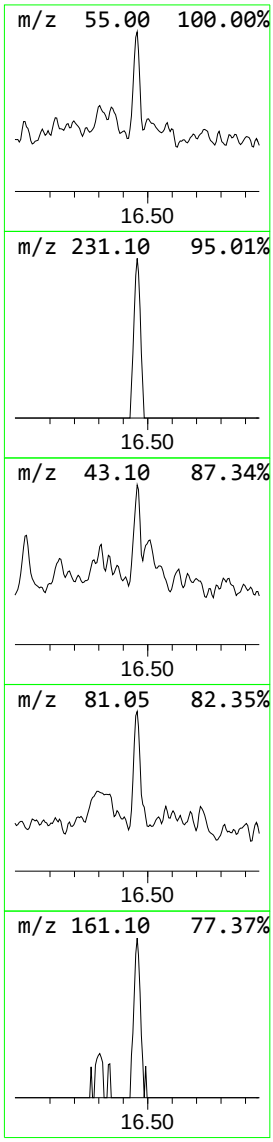
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Peak Number 4 unknown16.457 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.457	2.29 ng	43343	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrrolidine, 1-(m-methoxycinnamo...	231	C14H17NO2	029647-01-6	35
2	3-Buten-2-ol, 4-(2,6,6-trimethyl...	194	C13H22O	022029-76-1	14
3	Phenol, 4-methyl-2-[(5-methyl-2-...	231	C13H13NOS	315670-71-4	11
4	3-Buten-2-one, 4-(4-methoxyphenyl)-	176	C11H12O2	000943-88-4	11
5	(1-Methoxy-1-methylbut-2-enyl)be...	176	C12H16O	1000211-11-5	11





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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	10.616	9.6	ng	269990	3	9.904	564535	20.0
n-Hexadecanoic ...	11.916	6.3	ng	188419	4	11.392	594800	20.0
n-Nonadecanol-1	13.898	5.0	ng	117396	5	14.045	471822	20.0
unknown16.457	16.457	2.3	ng	43343	6	15.545	378632	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Time: Nov 26 15:24:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

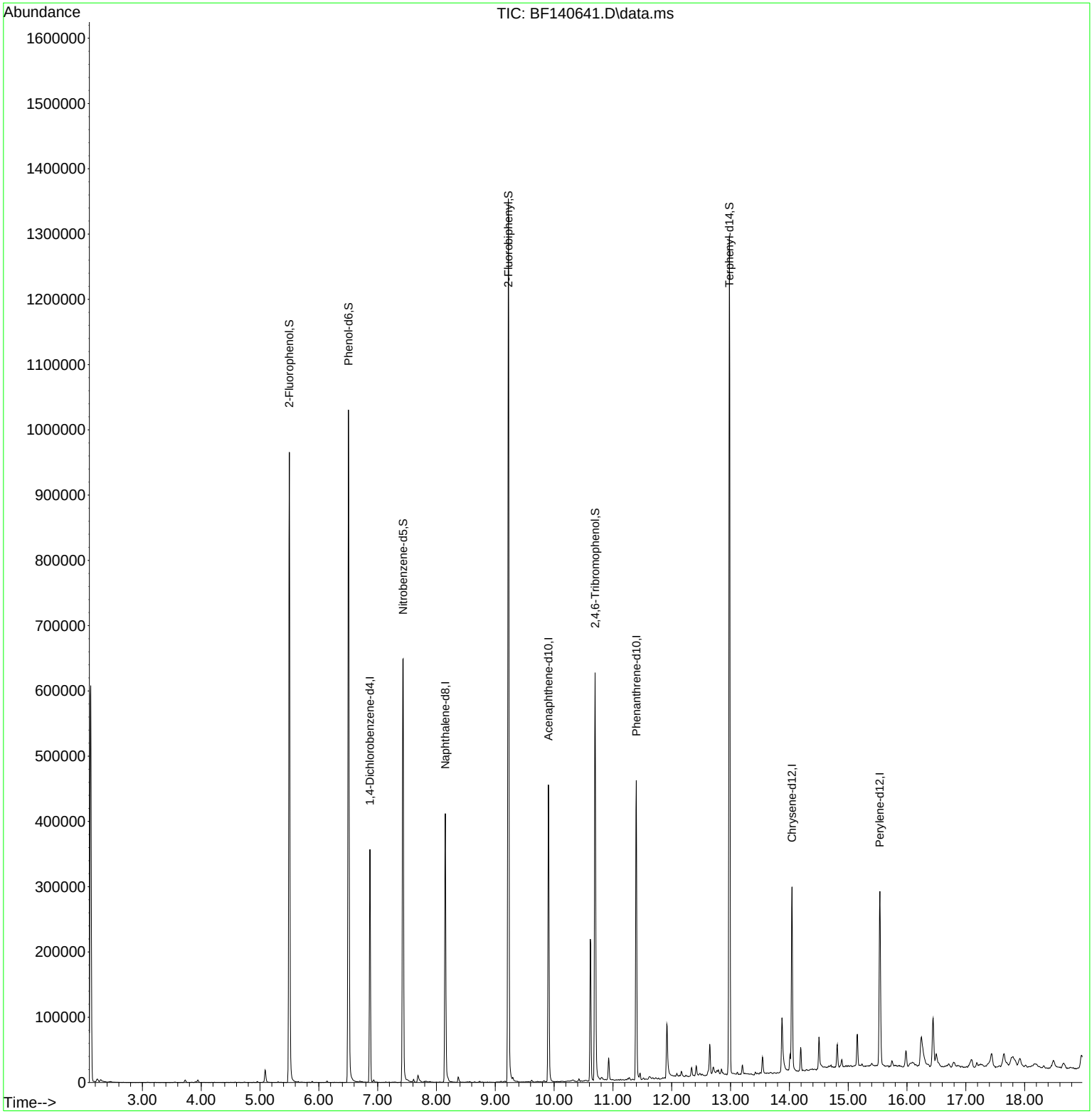
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	73436	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	269764	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	139709	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	252976	20.000	ng	0.00
76) Chrysene-d12	14.045	240	141346	20.000	ng	0.00
86) Perylene-d12	15.539	264	153491	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	362082	84.126	ng	0.00
7) Phenol-d6	6.504	99	486862	85.564	ng	-0.01
23) Nitrobenzene-d5	7.434	82	311652	59.093	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	110521	73.967	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	610897	65.150	ng	-0.01
79) Terphenyl-d14	12.980	244	621212	68.435	ng	-0.01
Target Compounds						Qvalue

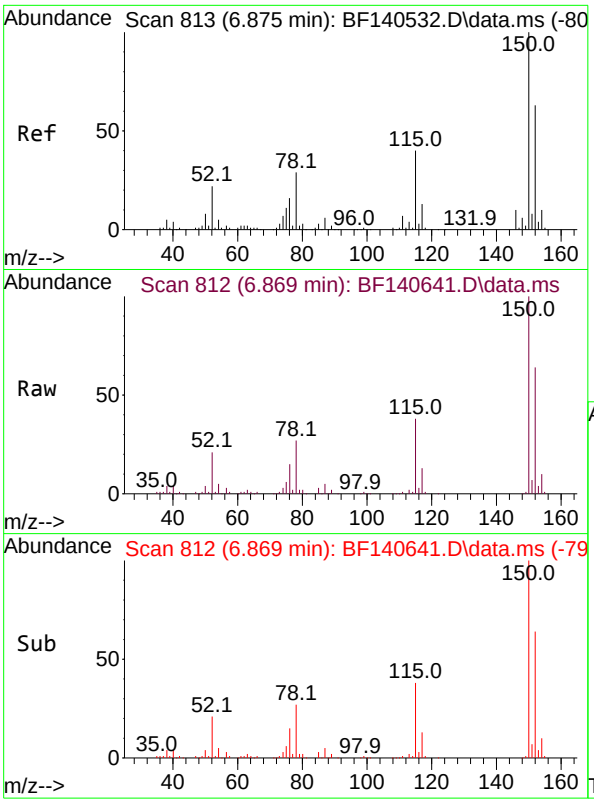
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Time: Nov 26 15:24:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



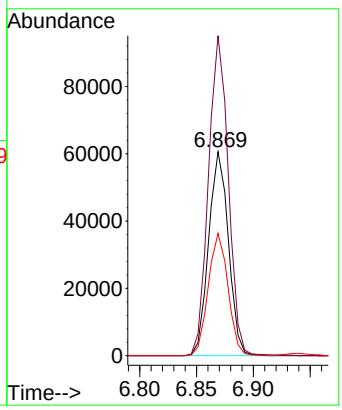


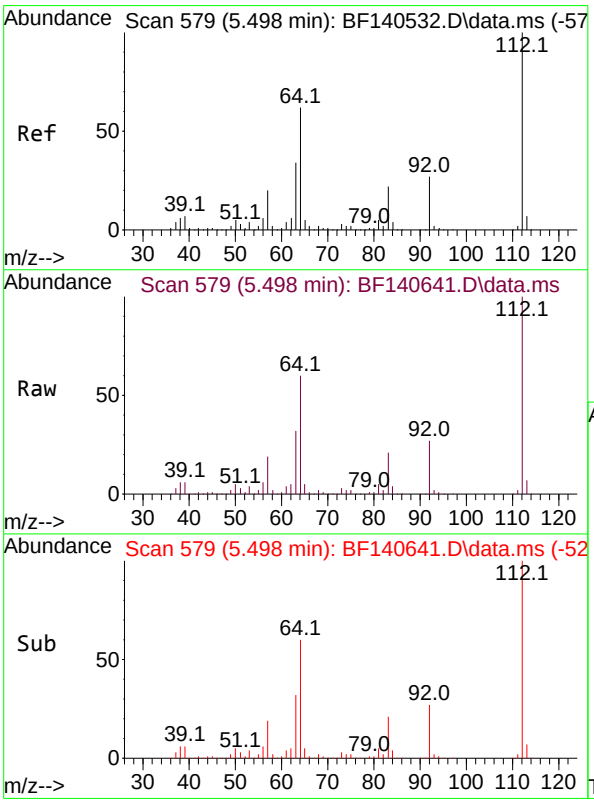
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Tgt Ion:152 Resp: 73436

Ion	Ratio	Lower	Upper
152	100		
150	156.9	128.5	192.7
115	59.9	50.2	75.4

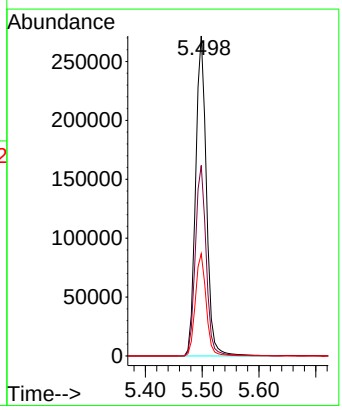


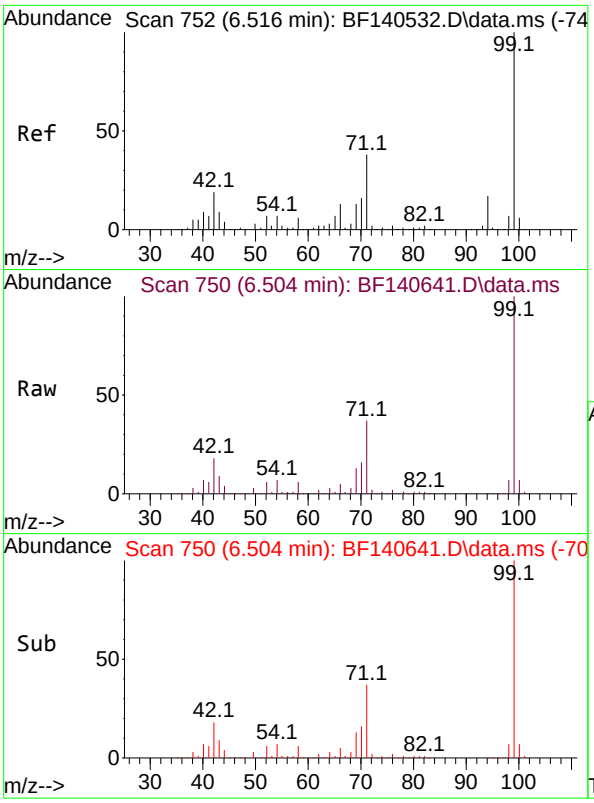


#5
2-Fluorophenol
Concen: 84.126 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Tgt Ion:112 Resp: 362082

Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.2	73.8
63	31.9	27.0	40.4



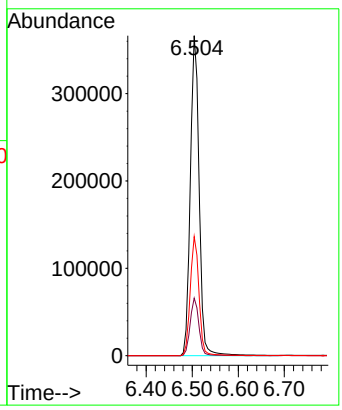


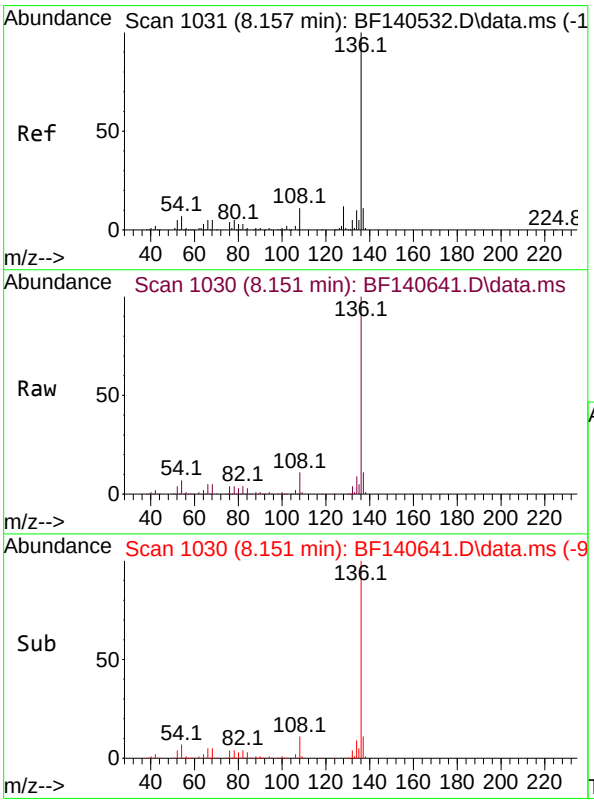
#7
Phenol-d6
Concen: 85.564 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Tgt Ion: 99 Resp: 486862

Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.4	23.0
71	37.2	30.6	46.0

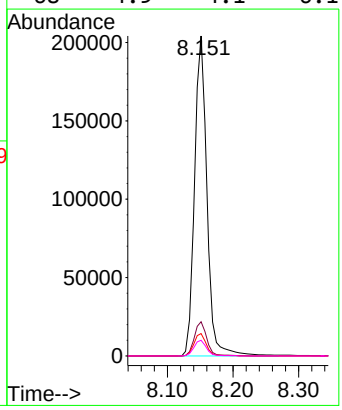


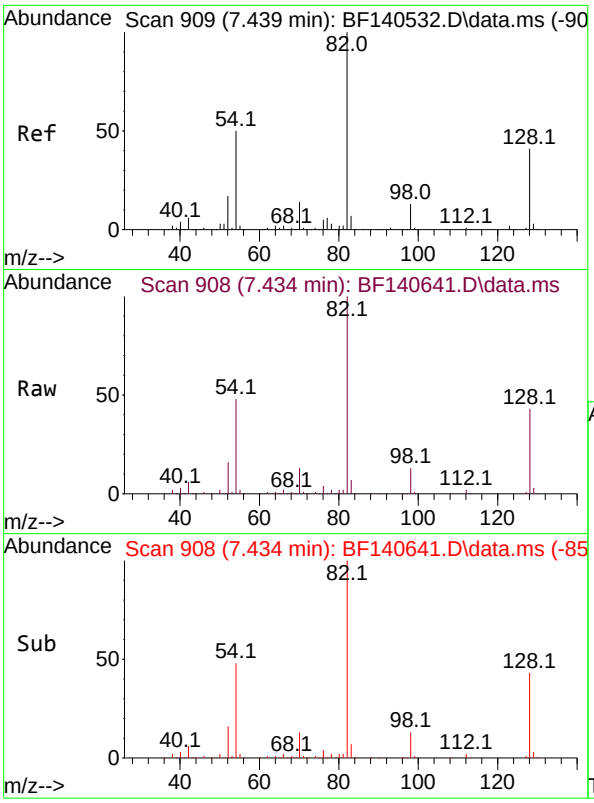


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Tgt Ion:136 Resp: 269764

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.0	5.8	8.8
68	4.9	4.1	6.1



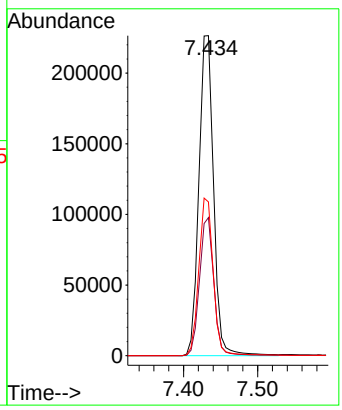


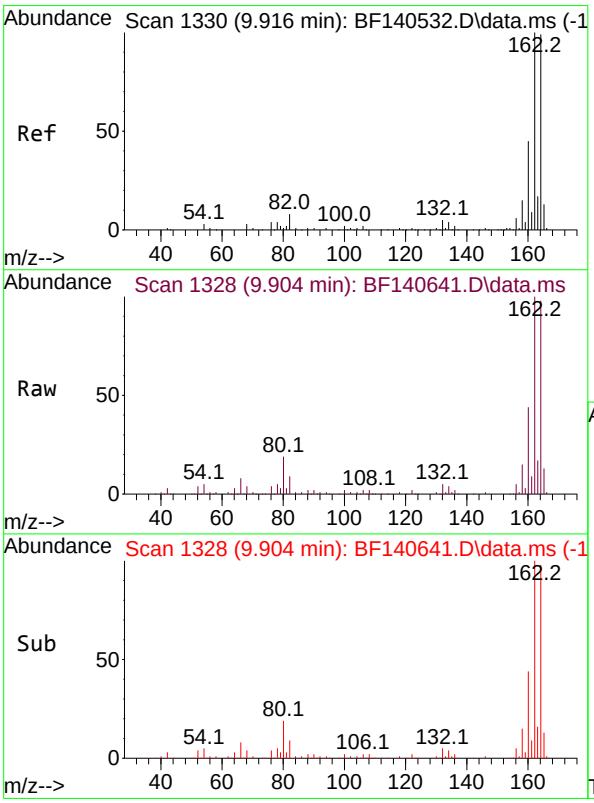
#23
Nitrobenzene-d5
Concen: 59.093 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Tgt Ion: 82 Resp: 311652

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.0	49.4
54	48.1	39.5	59.3

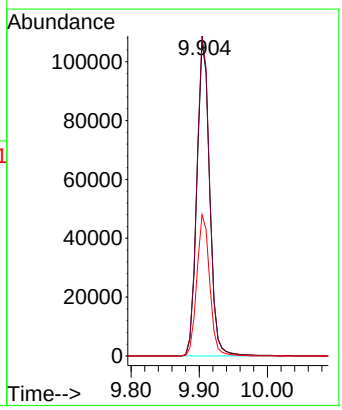


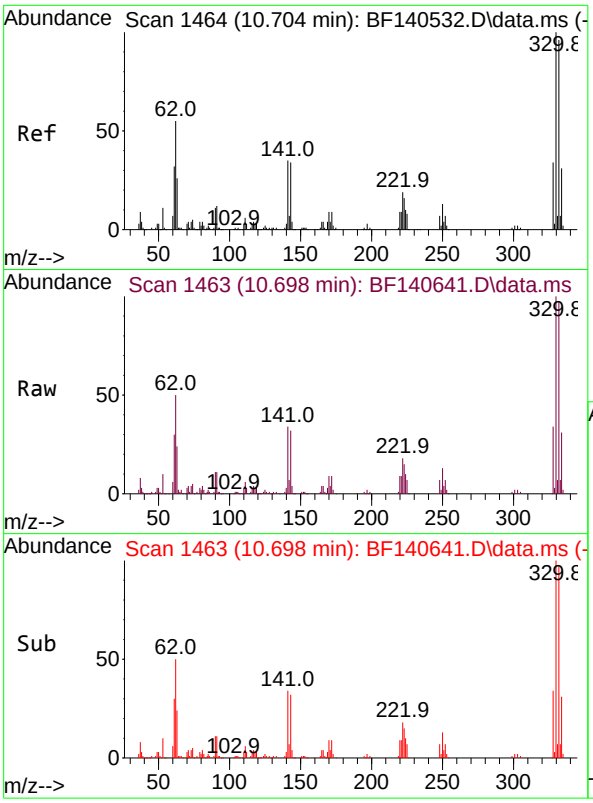


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Tgt Ion:164 Resp: 139709

Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	120.8
160	44.9	36.2	54.4



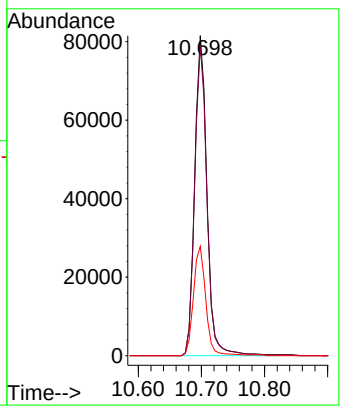


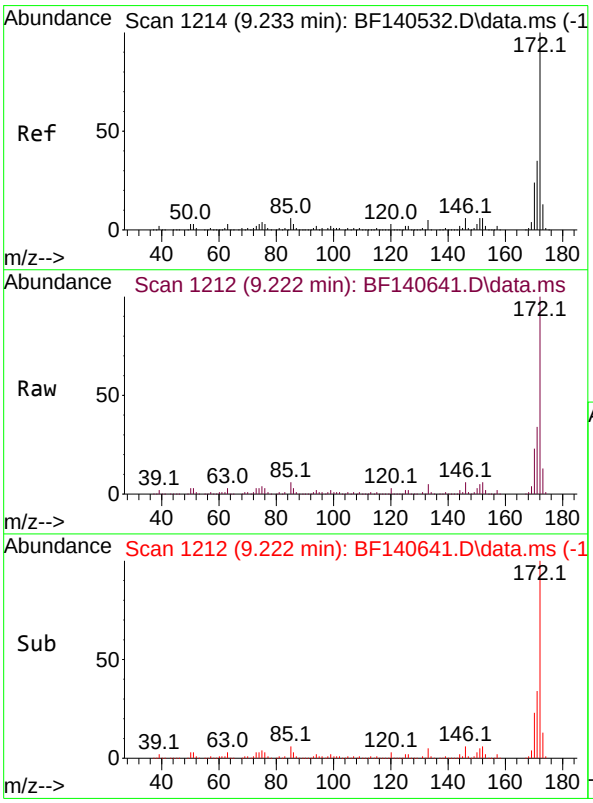
#42
2,4,6-Tribromophenol
Concen: 73.967 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Tgt Ion:330 Resp: 110521

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.9	115.3
141	34.0	26.7	40.1

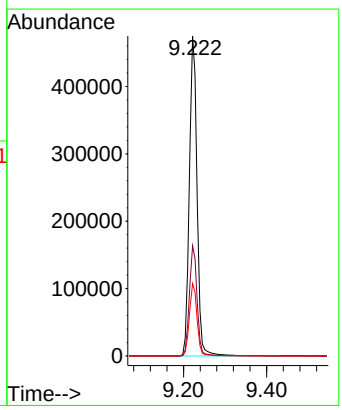


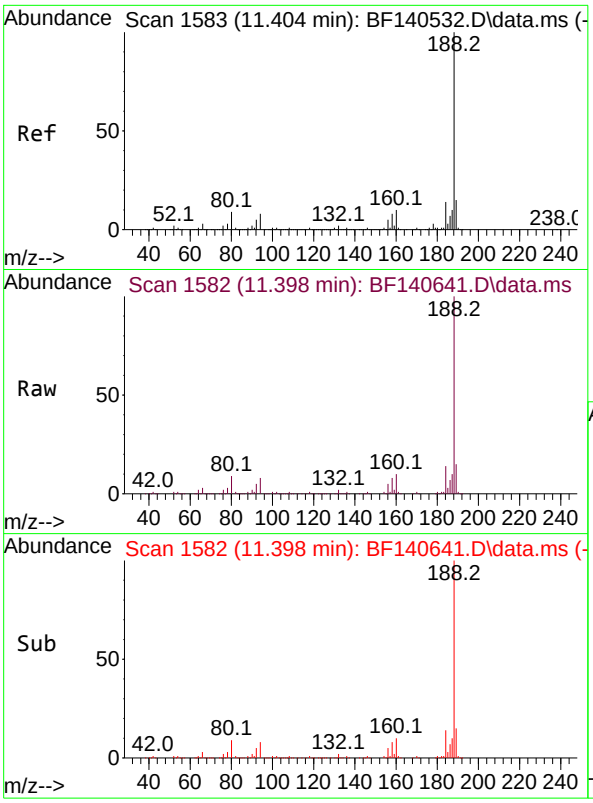


#45
2-Fluorobiphenyl
Concen: 65.150 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Tgt Ion:172 Resp: 610897

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.4	42.6
170	22.6	19.0	28.6



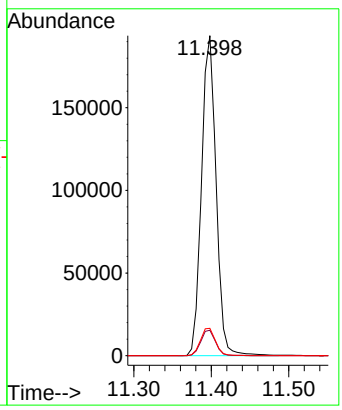


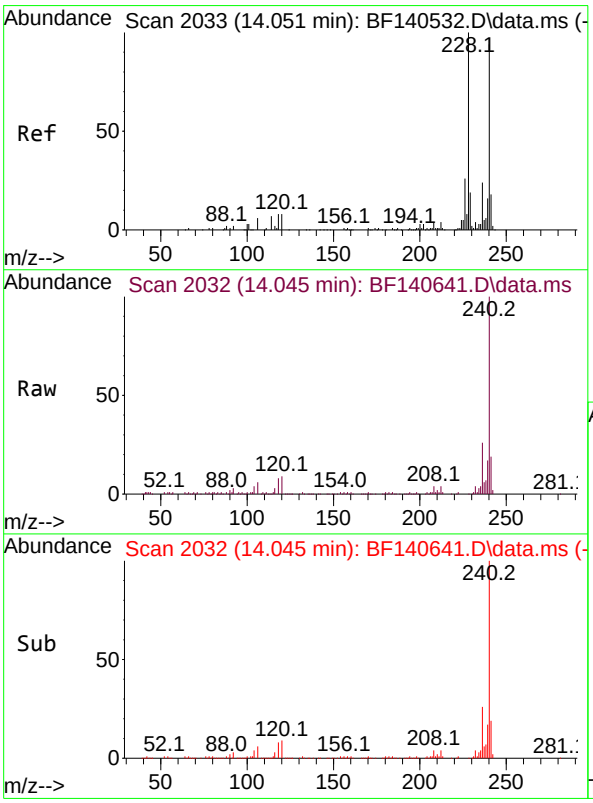
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Tgt Ion:188 Resp: 252976

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.4	9.6
80	8.6	6.9	10.3

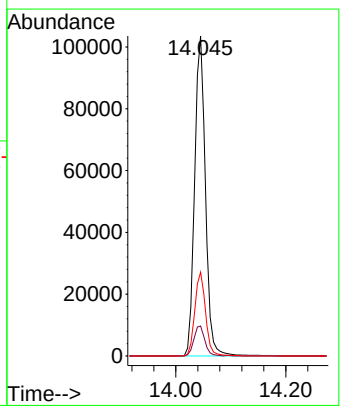


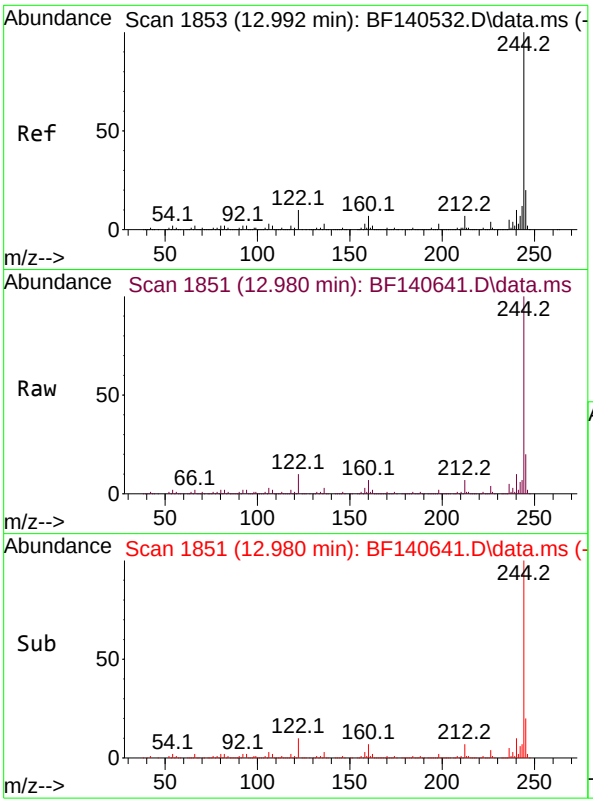


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Tgt Ion:240 Resp: 141346

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.3	10.9
236	26.2	20.6	31.0



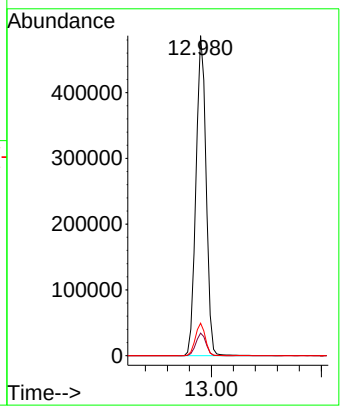


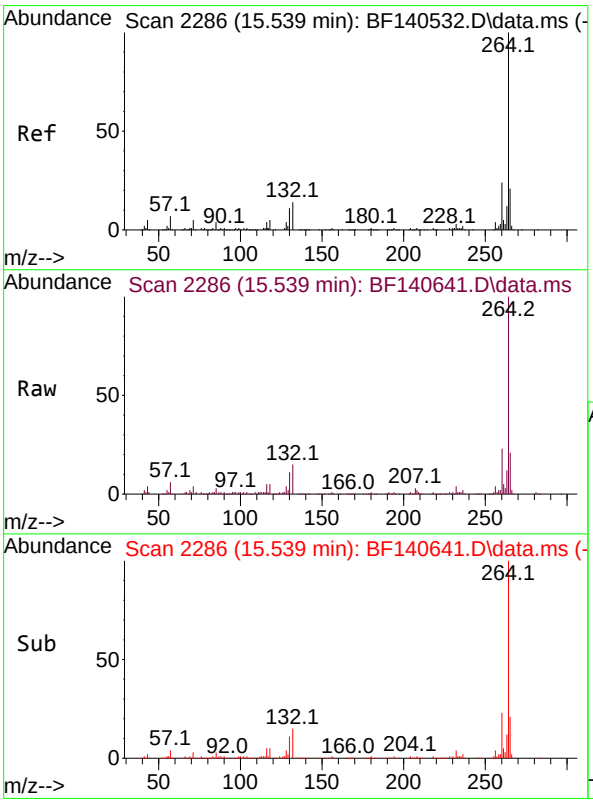
#79
Terphenyl-d14
Concen: 68.435 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Tgt Ion:244 Resp: 621212

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.2	8.0	12.0

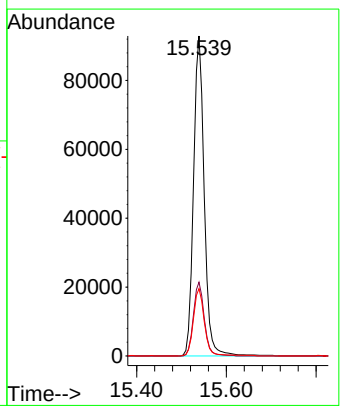




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Tgt Ion:264 Resp: 153491

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.6
265	21.1	16.6	25.0



Sample Results: **BF140641.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140641.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.122	3	5	14	rVB	606370	703888	41.04%	5.408%
2	5.087	500	509	519	rBV	19315	32671	1.90%	0.251%
3	5.498	573	579	594	rBV	965519	1282769	74.80%	9.856%
4	6.504	745	750	774	rBV	1030272	1372157	80.01%	10.543%
5	6.869	807	812	819	rBV	356677	430326	25.09%	3.306%
6	7.434	902	908	919	rBV	648844	887376	51.74%	6.818%
7	7.686	946	951	963	rBV2	10719	22096	1.29%	0.170%
8	8.151	1025	1030	1045	rBV	410981	535824	31.24%	4.117%
9	9.222	1207	1212	1223	rBV	1353393	1715039	100.00%	13.178%
10	9.904	1323	1328	1345	rVB	454879	590370	34.42%	4.536%
11	10.616	1444	1449	1458	rBV	217506	284390	16.58%	2.185%
12	10.698	1458	1463	1478	rVV	624413	837670	48.84%	6.436%
13	10.927	1497	1502	1512	rVB	34059	46679	2.72%	0.359%
14	11.398	1576	1582	1590	rBV	459145	602196	35.11%	4.627%
15	11.916	1666	1670	1684	rBV	82658	147459	8.60%	1.133%
16	12.416	1751	1755	1761	rBV2	15298	22741	1.33%	0.175%
17	12.645	1786	1794	1799	rBV	47372	72175	4.21%	0.555%
18	12.980	1845	1851	1861	rBV	1284783	1631156	95.11%	12.533%
19	13.204	1884	1889	1893	rBV	14086	20043	1.17%	0.154%
20	13.545	1943	1947	1953	rBV	24588	33211	1.94%	0.255%
21	13.874	1998	2003	2018	rBV	82803	161630	9.42%	1.242%
22	14.010	2022	2026	2028	rVV	25533	34821	2.03%	0.268%
23	14.045	2028	2032	2045	rVB	282281	389191	22.69%	2.990%
24	14.192	2053	2057	2062	rVB	35892	45459	2.65%	0.349%
25	14.504	2106	2110	2123	rBV	48562	80254	4.68%	0.617%
26	14.815	2158	2163	2169	rVB	34523	48570	2.83%	0.373%
27	15.157	2216	2221	2226	rVB	47975	65806	3.84%	0.506%
28	15.539	2280	2286	2301	rVB	268191	443348	25.85%	3.406%
29	15.980	2357	2361	2368	rVB	23818	39891	2.33%	0.307%
30	16.245	2399	2406	2423	rBV7	43904	147265	8.59%	1.132%
31	16.445	2433	2440	2445	rBV2	73348	142864	8.33%	1.098%
32	16.498	2446	2449	2464	rVB4	19590	49181	2.87%	0.378%
33	17.439	2605	2609	2620	rVB9	21092	50352	2.94%	0.387%
34	17.651	2641	2645	2658	rVB9	17542	45973	2.68%	0.353%

Sum of corrected areas: 13014841

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

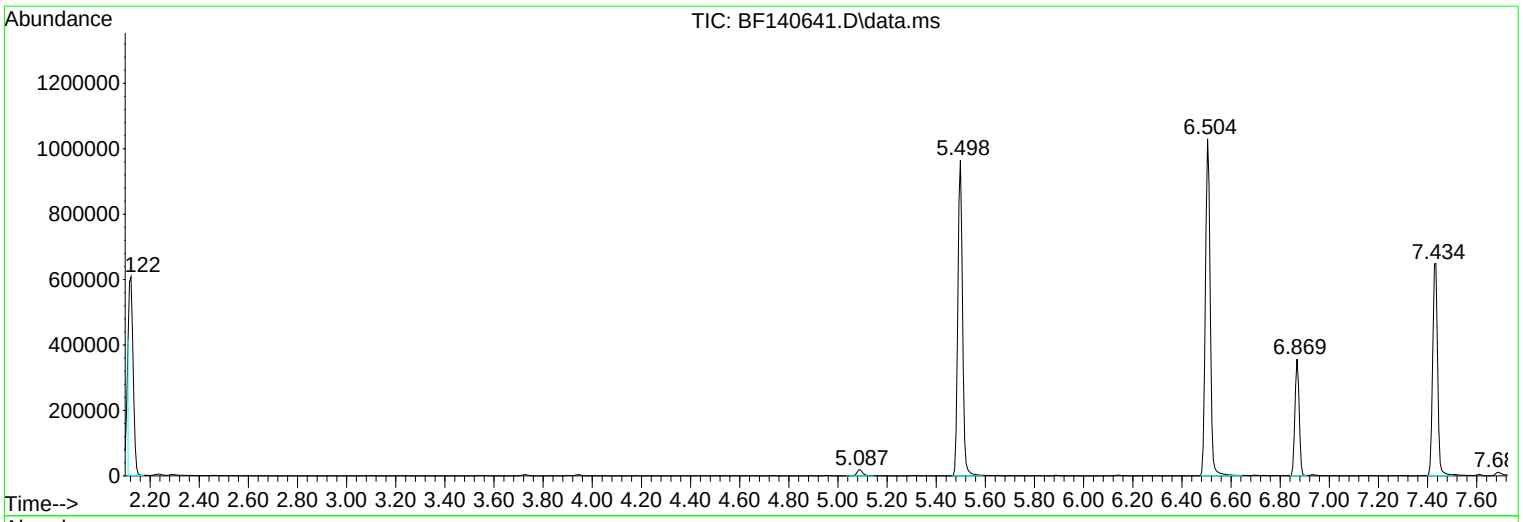
Sample Results: **BF140641.D**

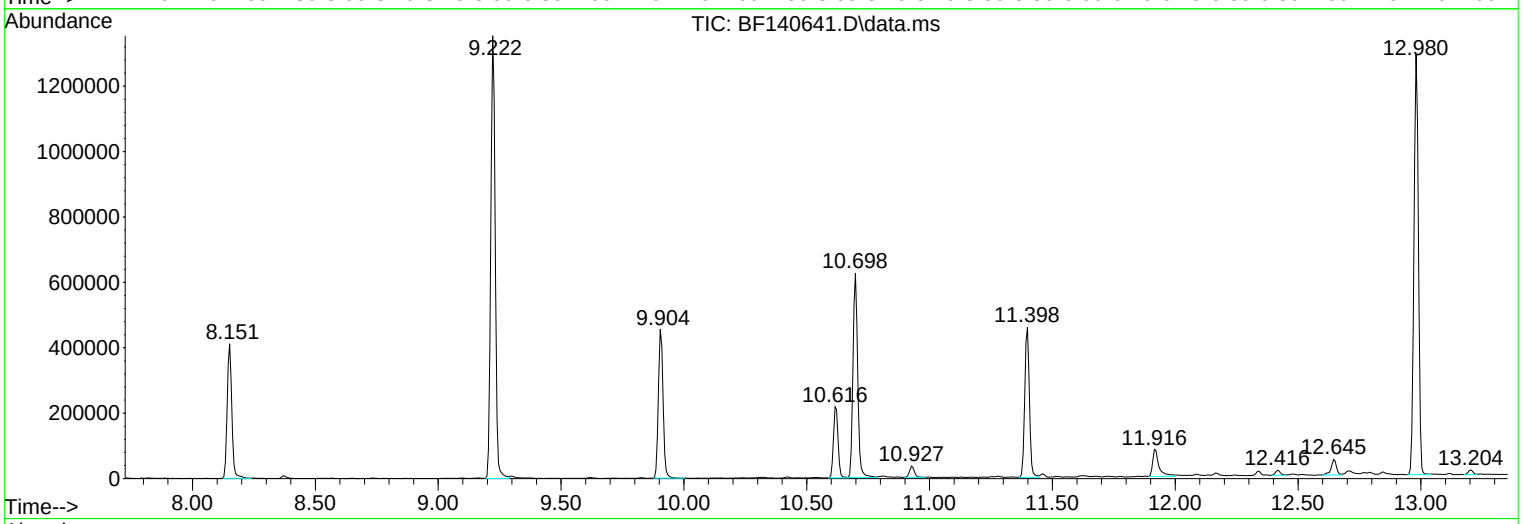
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

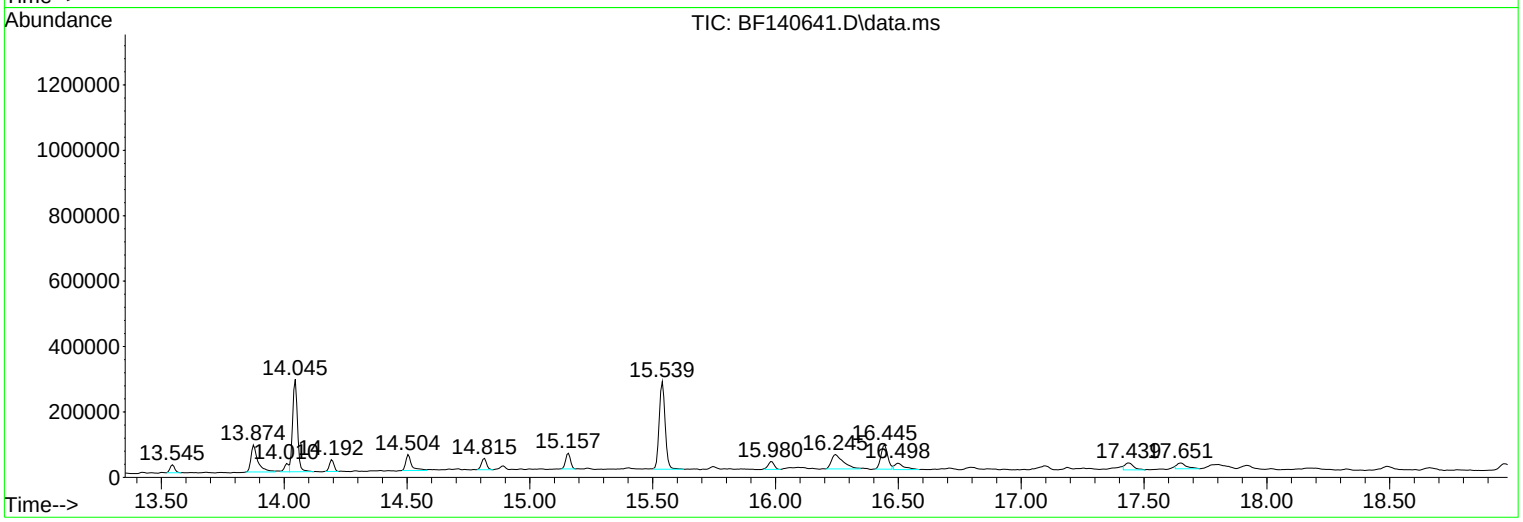
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

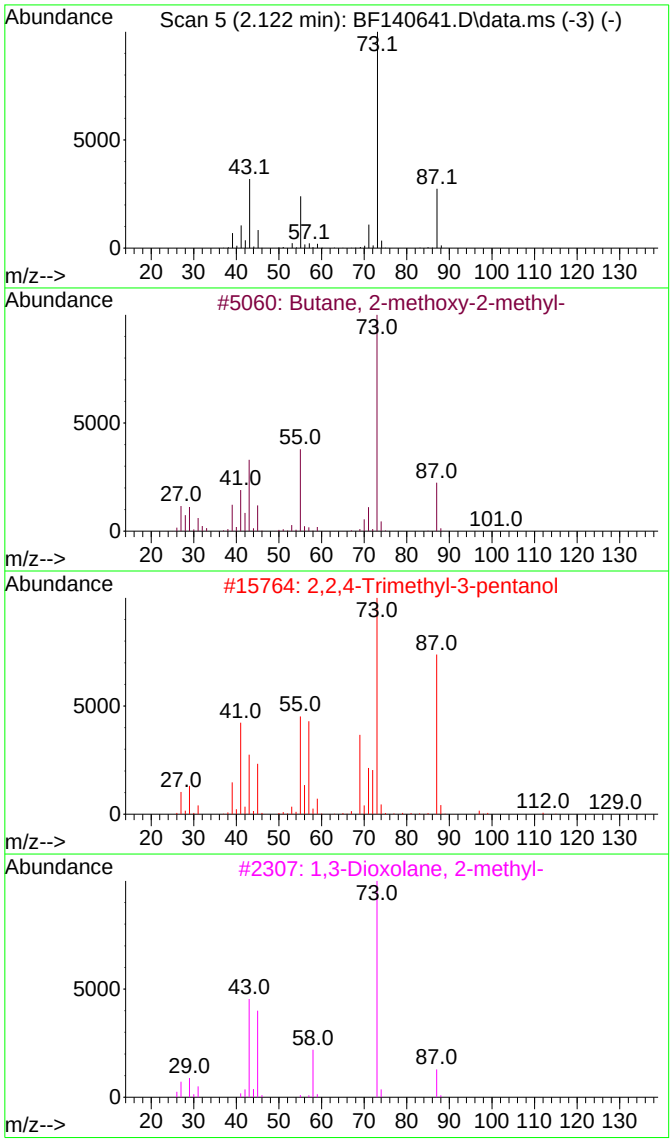
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

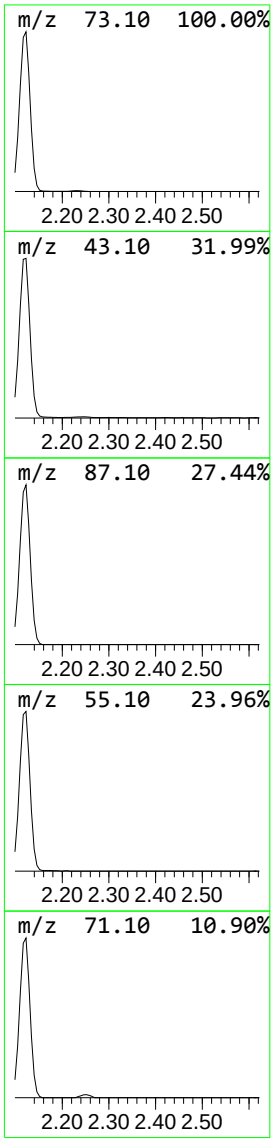
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.122	32.71 ng	703888	1,4-Dichlorobenzene-d4	6.869

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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

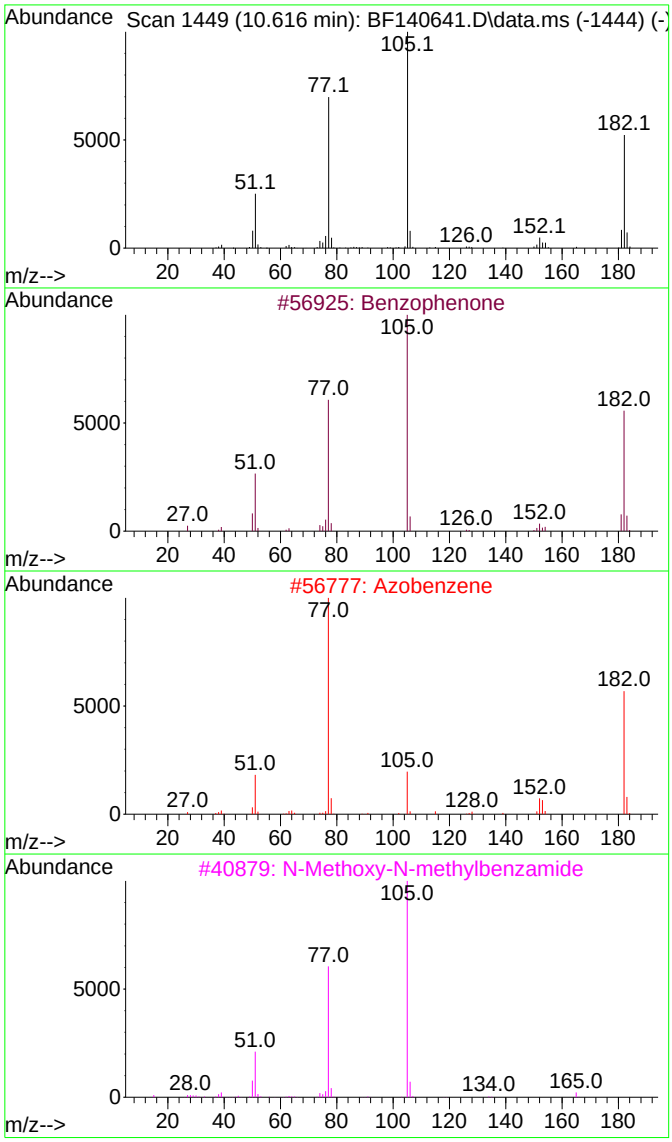
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TIC Integration Parameters: LSCINT.P

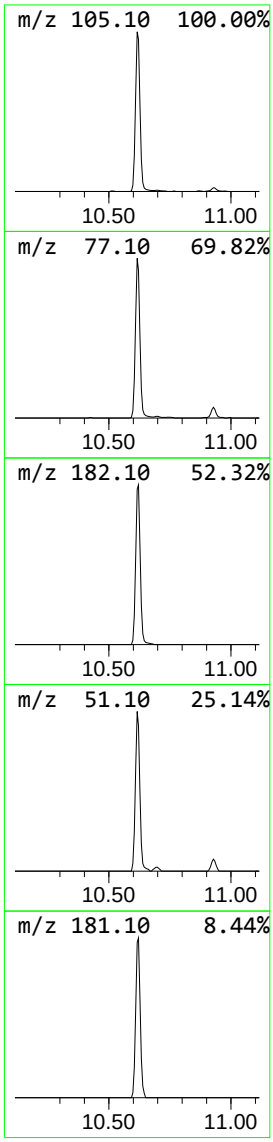
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Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	9.63 ng	284390	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
4	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

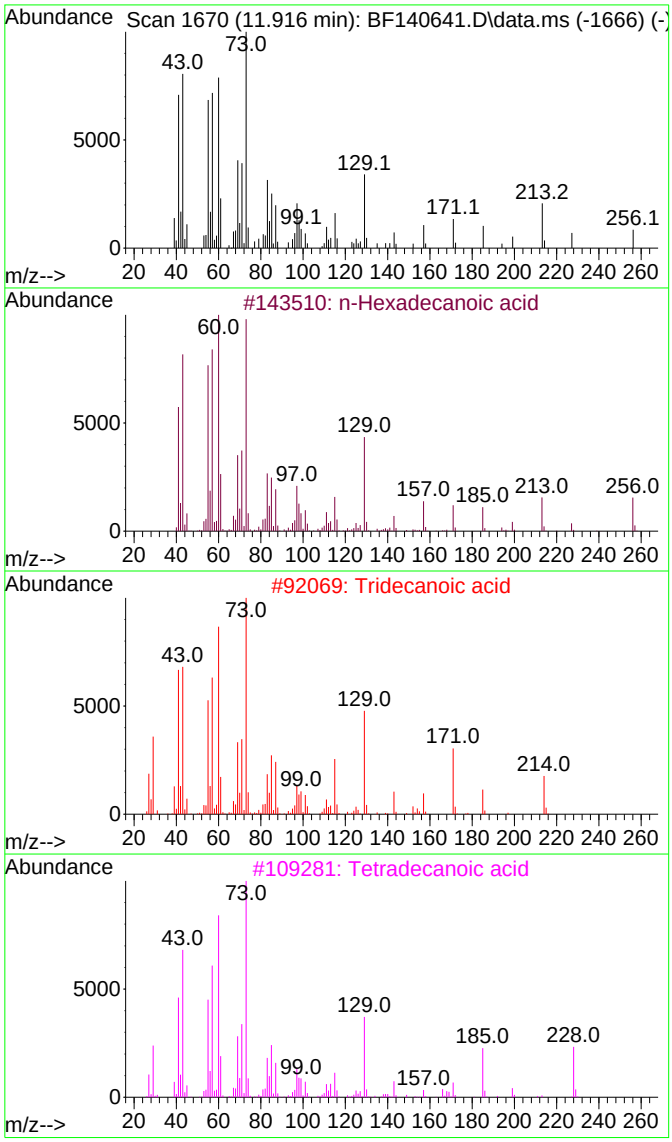
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

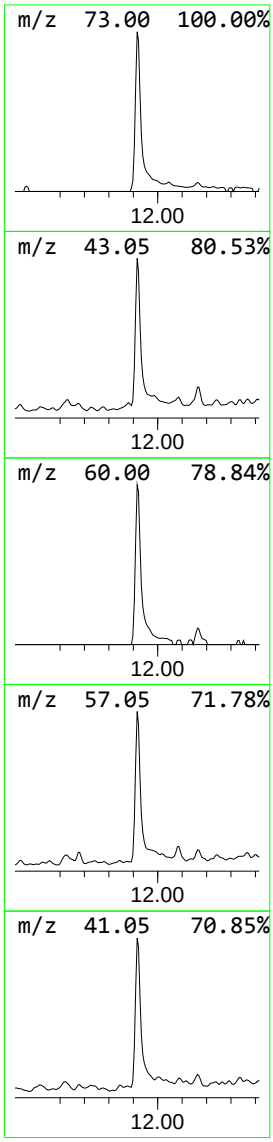
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	4.90 ng	147459	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
5	Oxalic acid, dodecyl propyl ester	300	C17H32O4	1000309-26-5	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

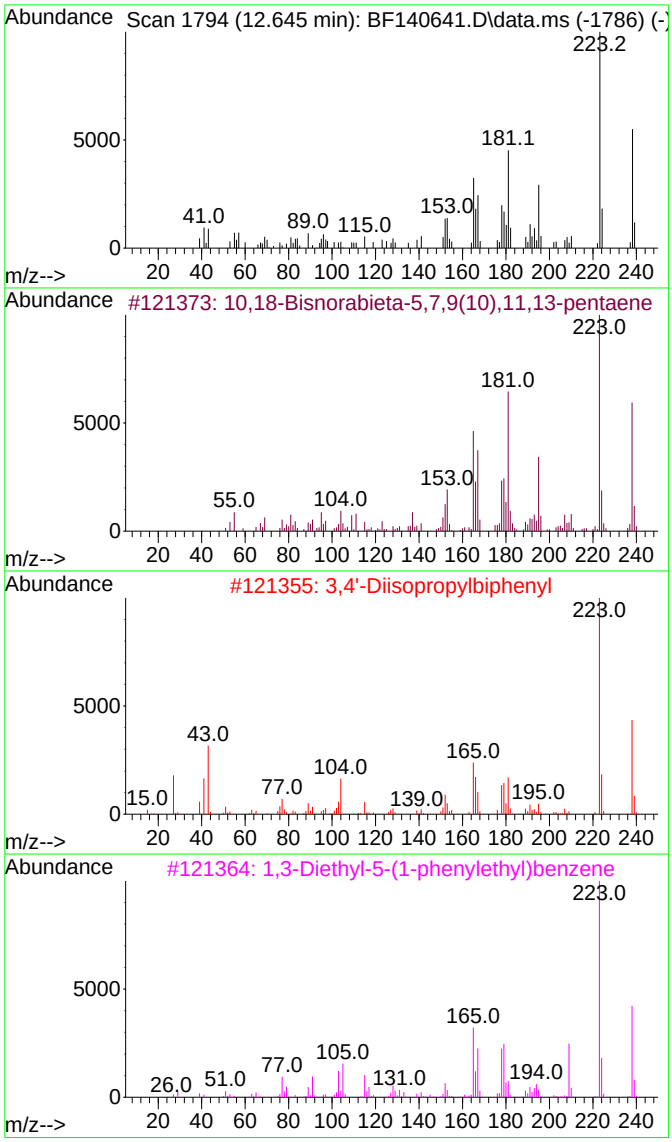
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TIC Integration Parameters: LSCINT.P

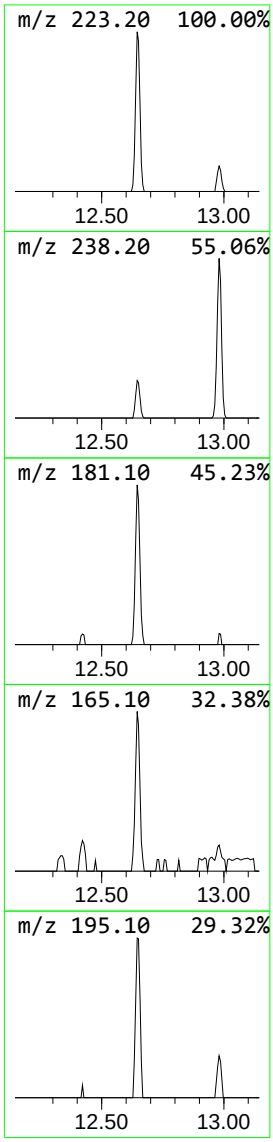
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Peak Number 4 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.645	2.40 ng	72175	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	89
3	1,3-Diethyl-5-(1-phenylethyl)ben...	238	C18H22	1000482-32-6	72
4	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	49
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	49





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Data File : BF140641.D
Acq On    : 26 Nov 2024  14:55
Operator  : RC/JU
Sample    : P4860-10
Misc      :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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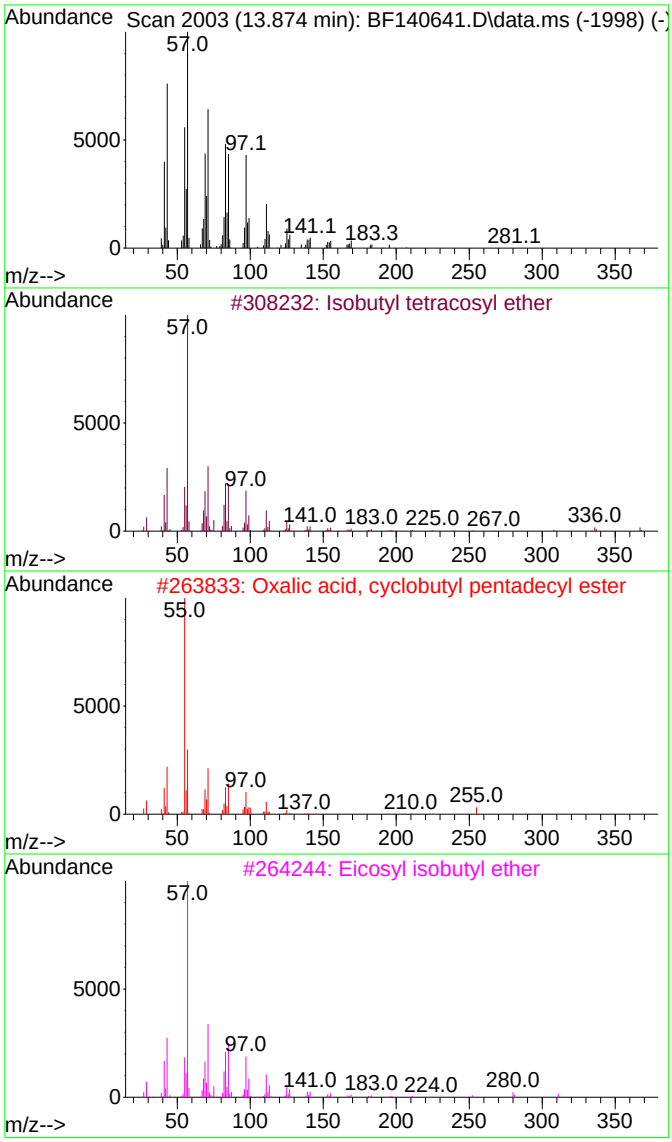
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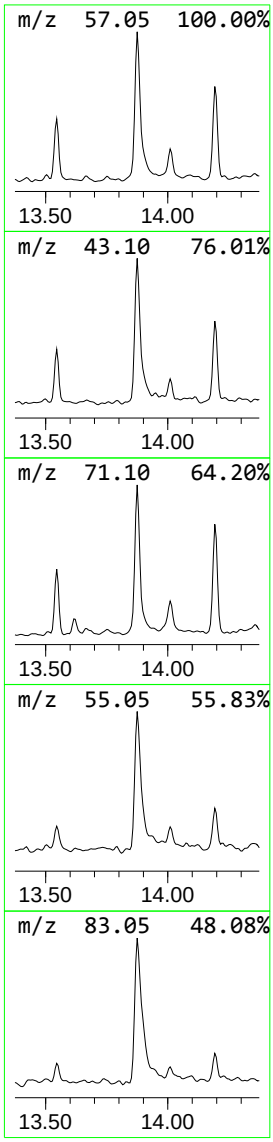
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Peak Number 5 Isobutyl tetracosyl ether Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	8.31 ng	161630	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl tetracosyl ether	410	C28H58O	1000406-33-2	91
2	Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1010309-70-5	90
3	Eicosyl isobutyl ether	354	C24H50O	1000406-33-0	90
4	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	83
5	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

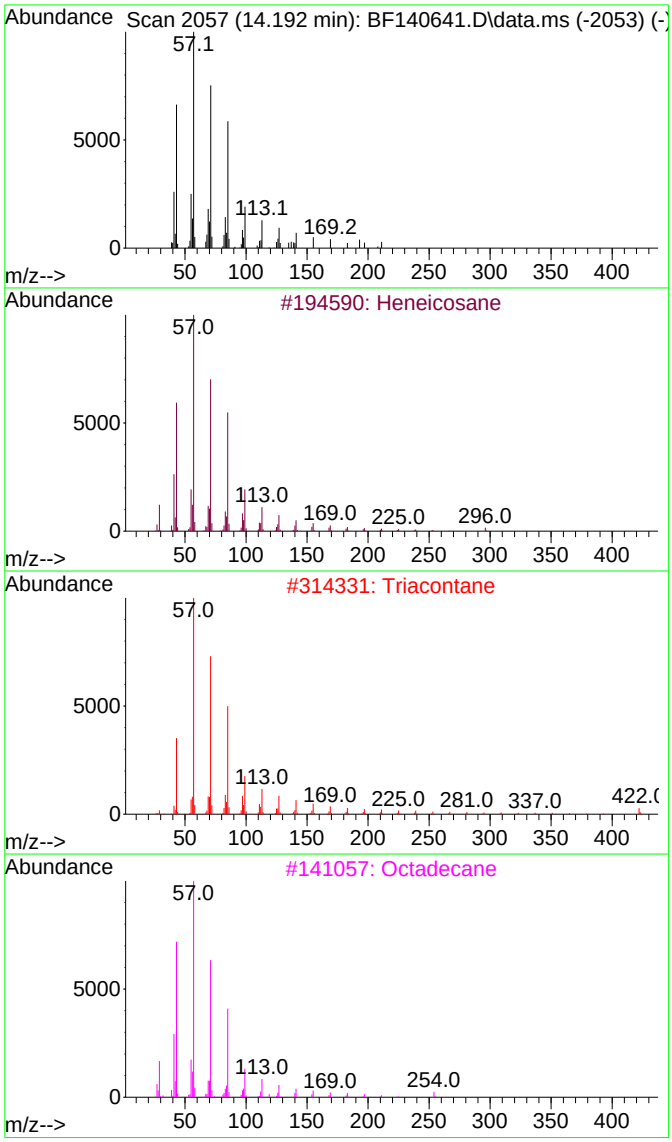
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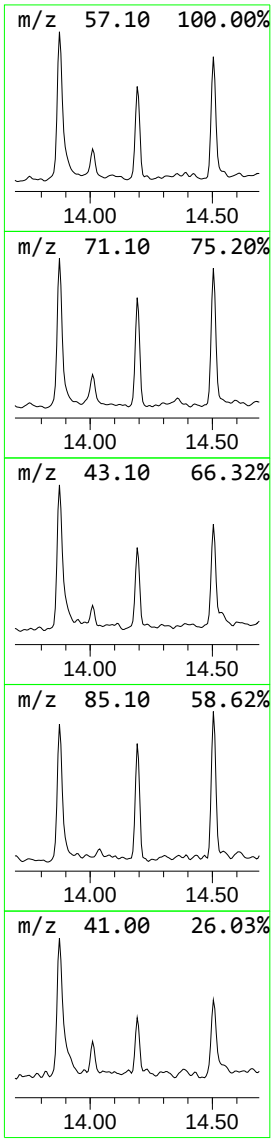
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Peak Number 6 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.192	2.34 ng	45459	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Triacontane	422	C30H62	000638-68-6	91
3	Octadecane	254	C18H38	000593-45-3	91
4	Octacosane	394	C28H58	000630-02-4	90
5	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1010115-66-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
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Instrument :
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ClientSampleId :
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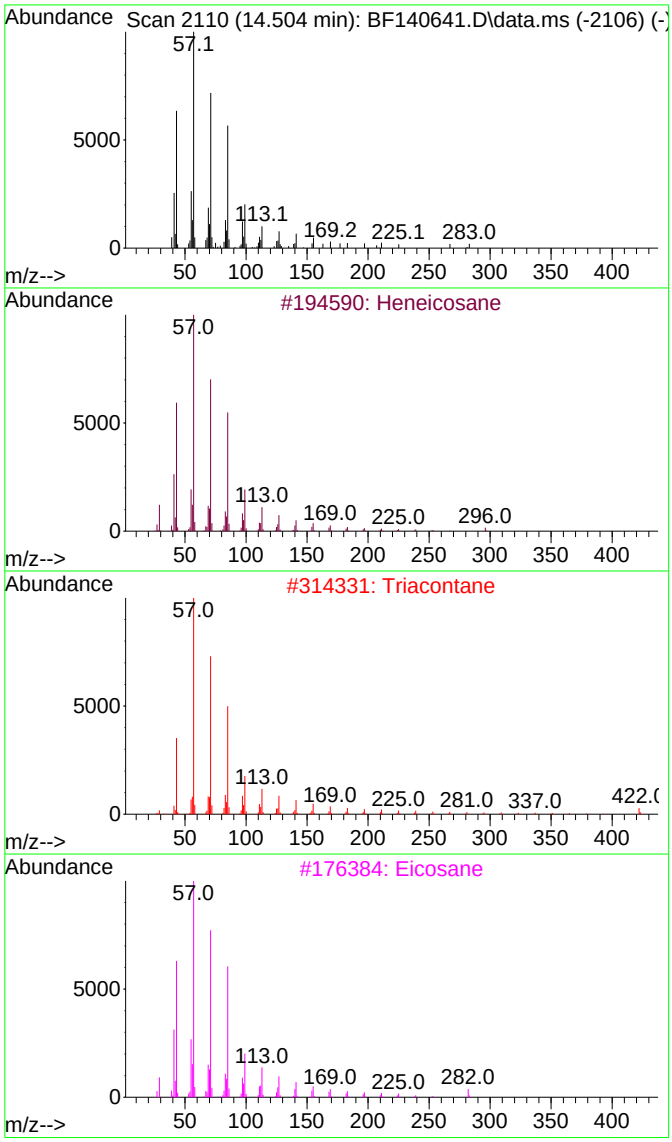
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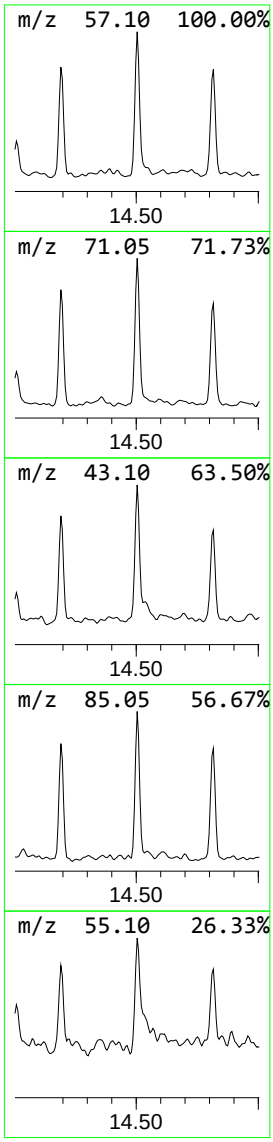
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Peak Number 7 Triacontane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.504	4.12 ng	80254	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Triacontane	422	C30H62	000638-68-6	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5	Octacosane	394	C28H58	000630-02-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

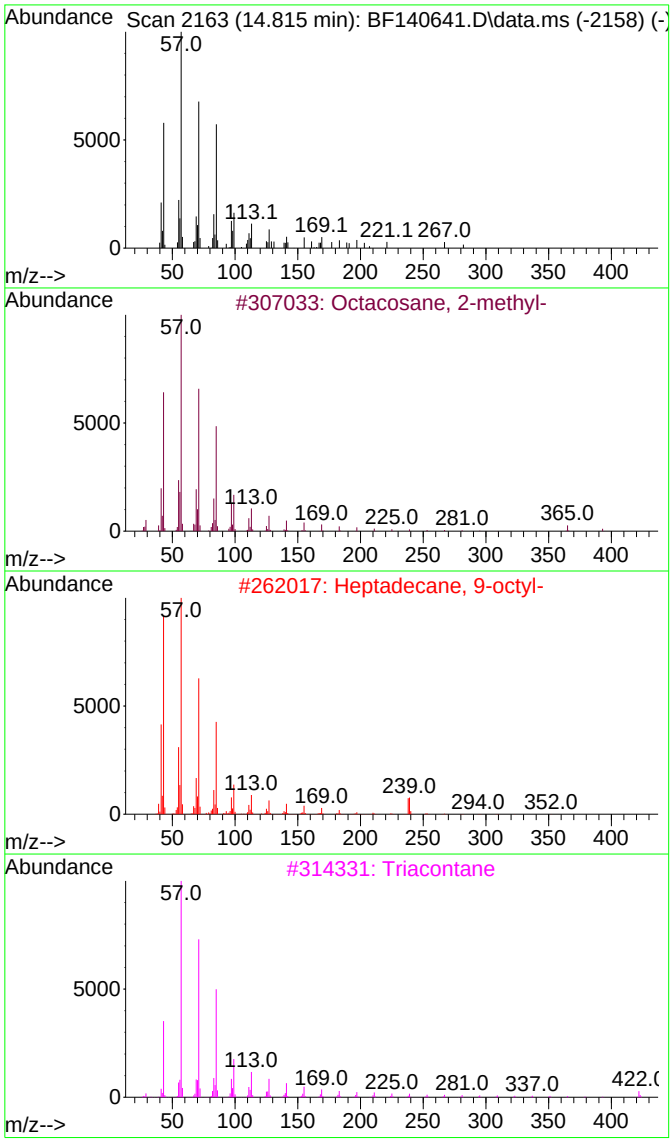
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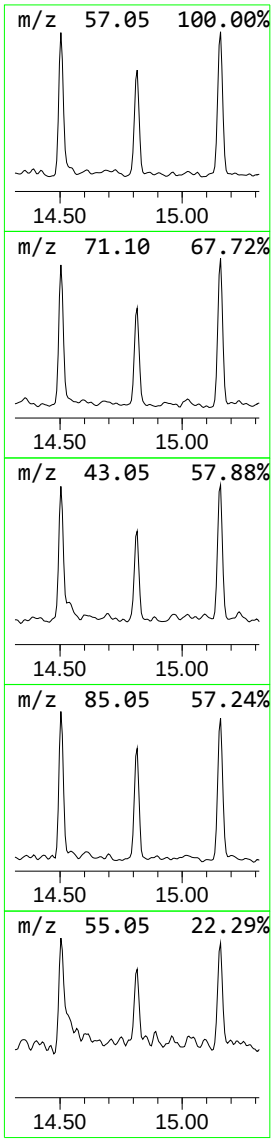
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Peak Number 8 Octacosane, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.815	2.19 ng	48570	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Octadecane	254	C18H38	000593-45-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

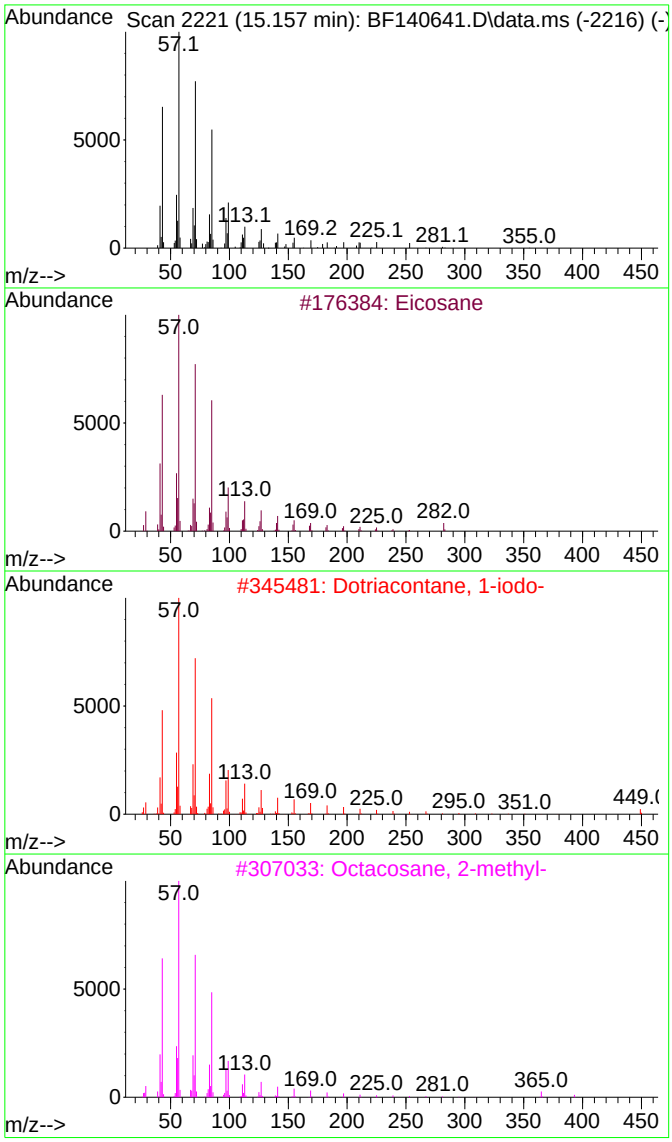
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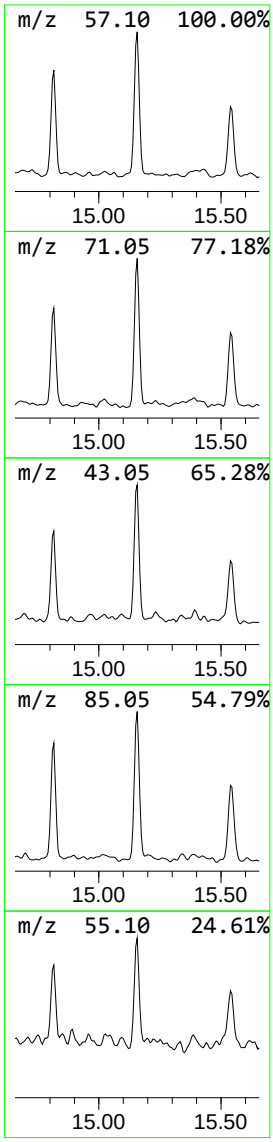
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Peak Number 9 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.157	2.97 ng	65806	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91
3	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Triacontane	422	C30H62	000638-68-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

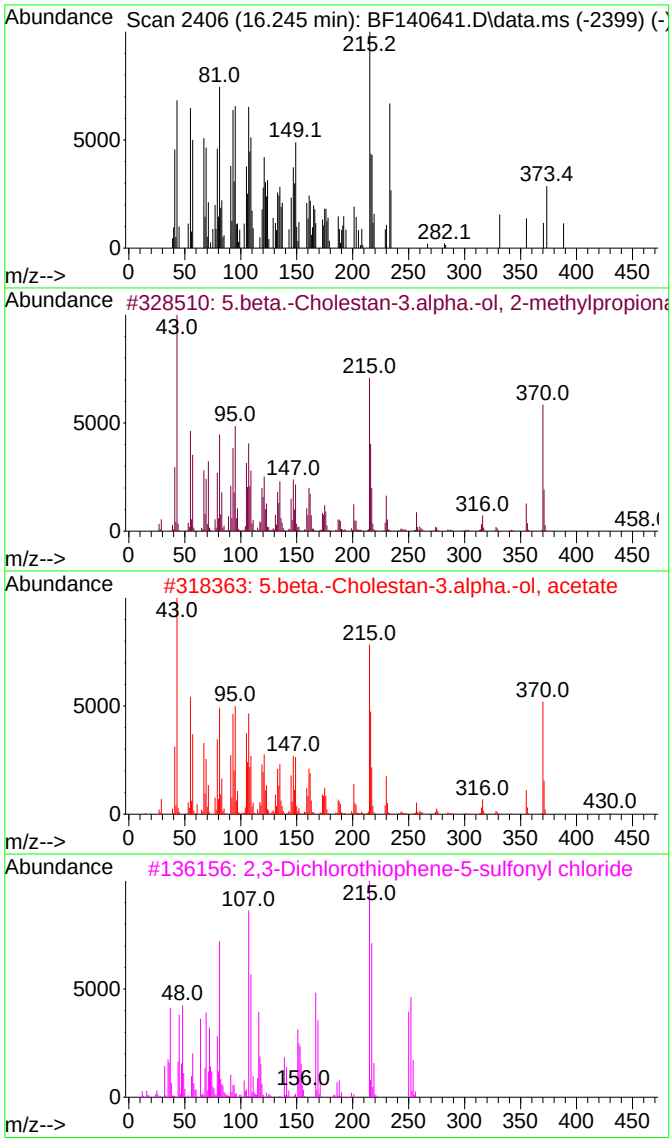
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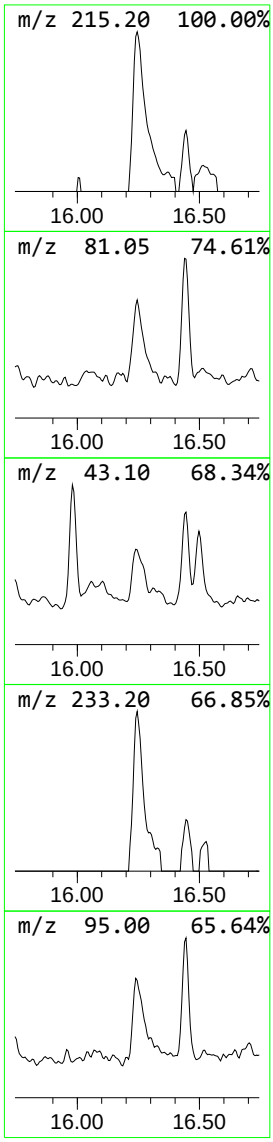
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Peak Number 10 unknown16.245 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.245	6.64 ng	147265	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5.beta.-Cholestan-3.alpha.-ol, 2...	458	C31H54O2	1000514-95-7	49
2	5.beta.-Cholestan-3.alpha.-ol, a...	430	C29H50O2	033157-47-0	38
3	2,3-Dichlorothiophene-5-sulfonyl...	250	C4HCl3O2S2	126714-85-0	38
4	Cholestan-3.beta.-yl benzoate	492	C34H52O2	005808-11-7	27
5	5-(2-Methyloctan-2-yl)-3-(1R,3R-...	332	C22H36O2	070434-92-3	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

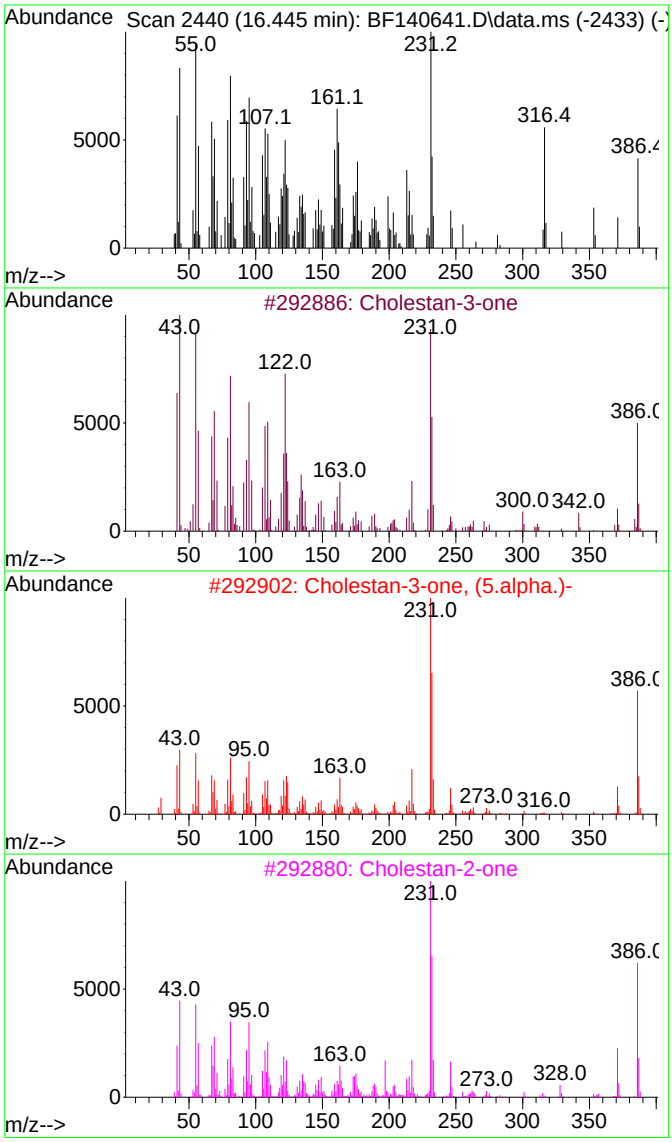
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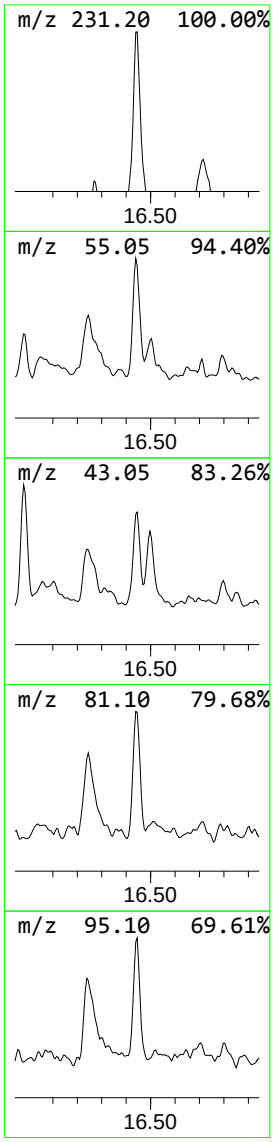
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Peak Number 11 Cholestan-3-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.445	6.44 ng	142864	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestan-3-one	386	C27H46O	015600-08-5	83
2	Cholestan-3-one, (5.alpha.)-	386	C27H46O	000566-88-1	62
3	Cholestan-2-one	386	C27H46O	1010210-43-4	47
4	Cholestan-3-one, (5.beta.)-	386	C27H46O	000601-53-6	42
5	trans-1-(p-Methoxyphenyl)-1-tetr...	316	C21H32O2	123501-67-7	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
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Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

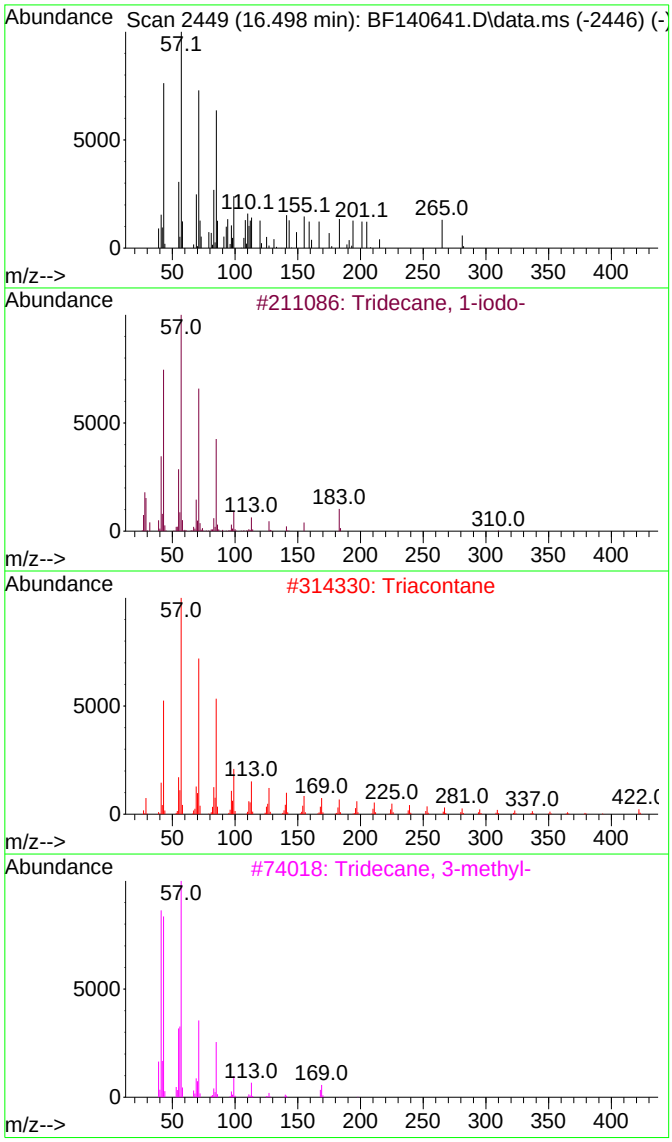
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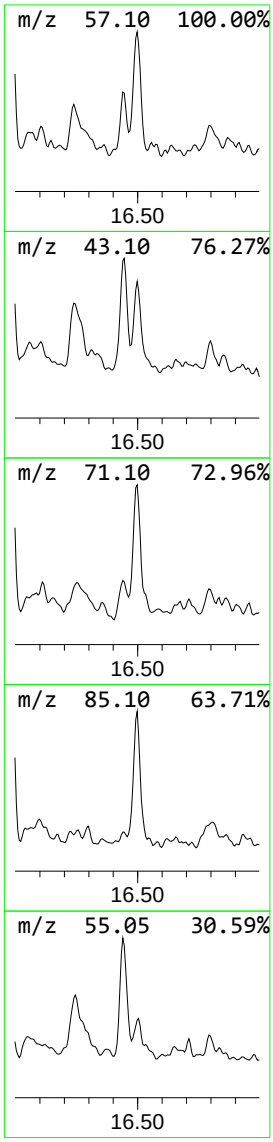
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Peak Number 12 unknown16.498 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.498	2.22 ng	49181	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	47
2	Triacontane	422	C30H62	000638-68-6	47
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	47
4	Sulfurous acid, 2-propyl undecyl...	278	C14H30O3S	1000309-12-2	47
5	Octacosane	394	C28H58	000630-02-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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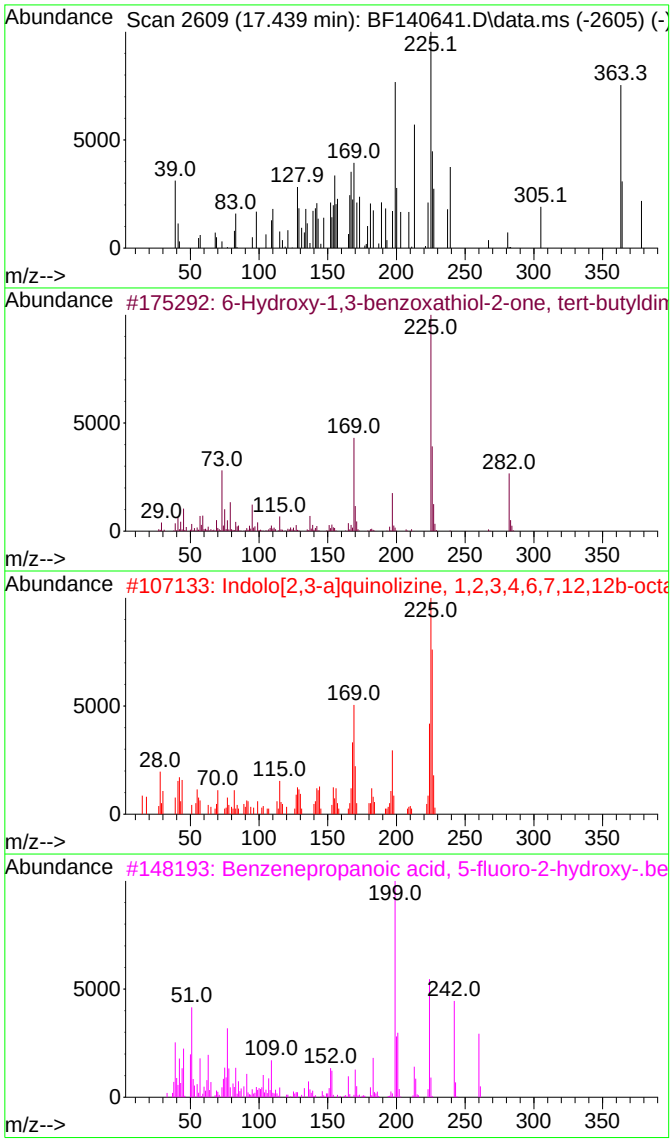
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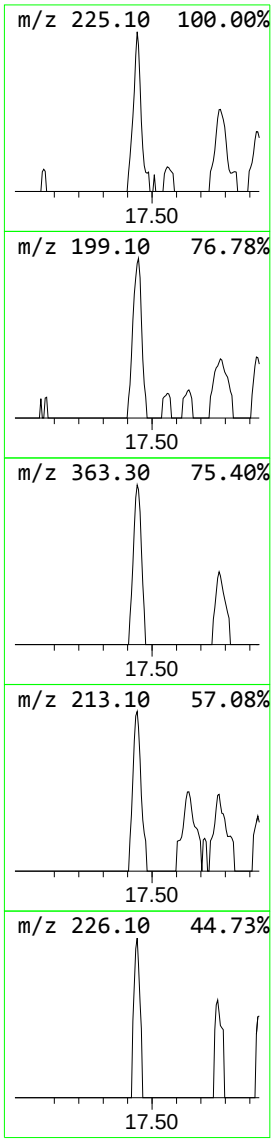
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Peak Number 13 unknown17.439 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.439	2.27 ng	50352	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Hydroxy-1,3-benzoxathiol-2-one...	282	C13H18O3SSi	1010461-98-2	12
2	Indolo[2,3-a]quinolizine, 1,2,3,...	226	C15H18N2	004802-79-3	11
3	Benzenepropanoic acid, 5-fluoro-...	260	C15H13FO3	1000362-84-1	10
4	3-Methoxydiphenylamine	199	C13H13NO	000101-16-6	10
5	6-(2-Chloroethylthio)-N,N,N',N'-...	261	C9H16ClN5S	1000102-02-9	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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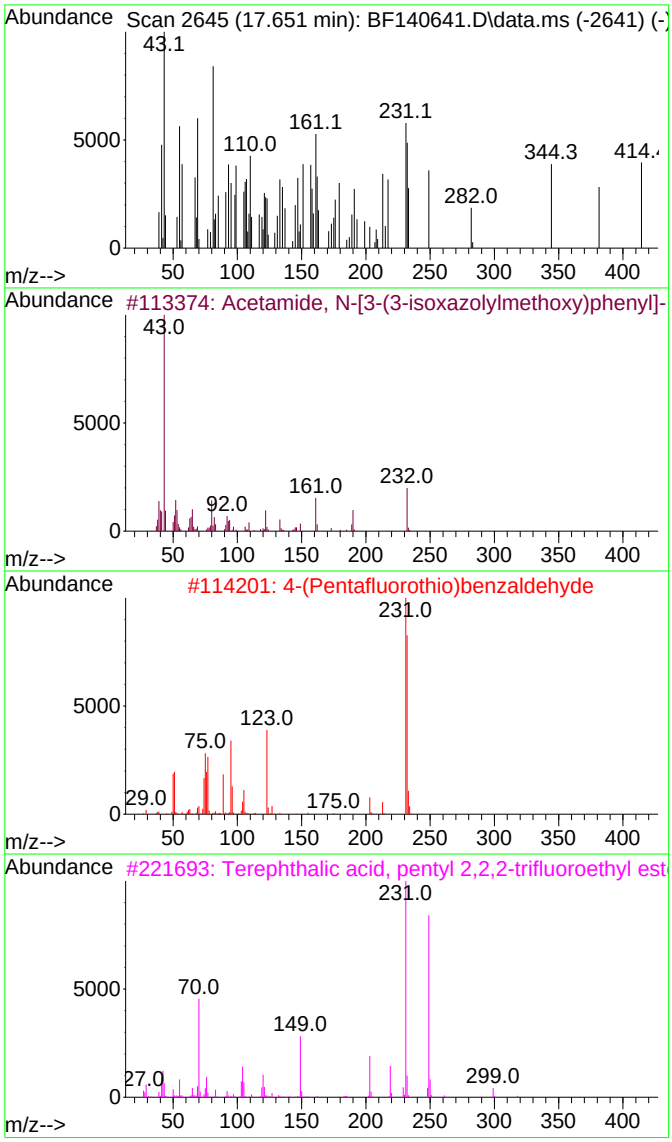
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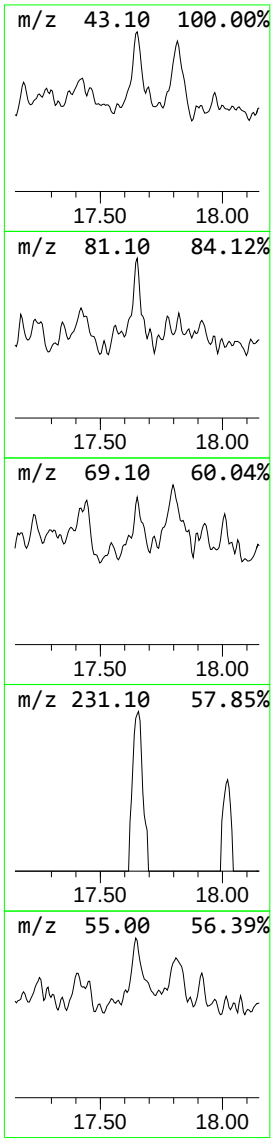
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Peak Number 14 unknown17.651 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.651	2.07 ng	45973	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-[3-(3-isoxazolylmet...	232	C12H12N2O3	1000362-73-8	10
2	4-(Pentafluorothio)benzaldehyde	232	C7H5F5OS	401892-84-0	10
3	Terephthalic acid, pentyl 2,2,2-...	318	C15H17F3O4	1000383-04-0	10
4	4-(4-Chlorophenoxy)benzaldehyde	232	C13H9ClO2	061343-99-5	10
5	Costunolide	232	C15H20O2	000553-21-9	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
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Butane, 2-metho...	2.122	32.7	ng	703888	1	6.869	430326	20.0
Benzophenone	10.616	9.6	ng	284390	3	9.904	590370	20.0
n-Hexadecanoic ...	11.916	4.9	ng	147459	4	11.398	602196	20.0
10,18-Bisnorabi...	12.645	2.4	ng	72175	4	11.398	602196	20.0
Isobutyl tetrac...	13.874	8.3	ng	161630	5	14.045	389191	20.0
Heneicosane	14.192	2.3	ng	45459	5	14.045	389191	20.0
Triacontane	14.504	4.1	ng	80254	5	14.045	389191	20.0
Octacosane, 2-m...	14.815	2.2	ng	48570	6	15.539	443348	20.0
Eicosane	15.157	3.0	ng	65806	6	15.539	443348	20.0
unknown16.245	16.245	6.6	ng	147265	6	15.539	443348	20.0
Cholestan-3-one	16.445	6.4	ng	142864	6	15.539	443348	20.0
unknown16.498	16.498	2.2	ng	49181	6	15.539	443348	20.0
unknown17.439	17.439	2.3	ng	50352	6	15.539	443348	20.0
unknown17.651	17.651	2.1	ng	45973	6	15.539	443348	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
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Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PB165029BL

Quant Time: Nov 18 11:37:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

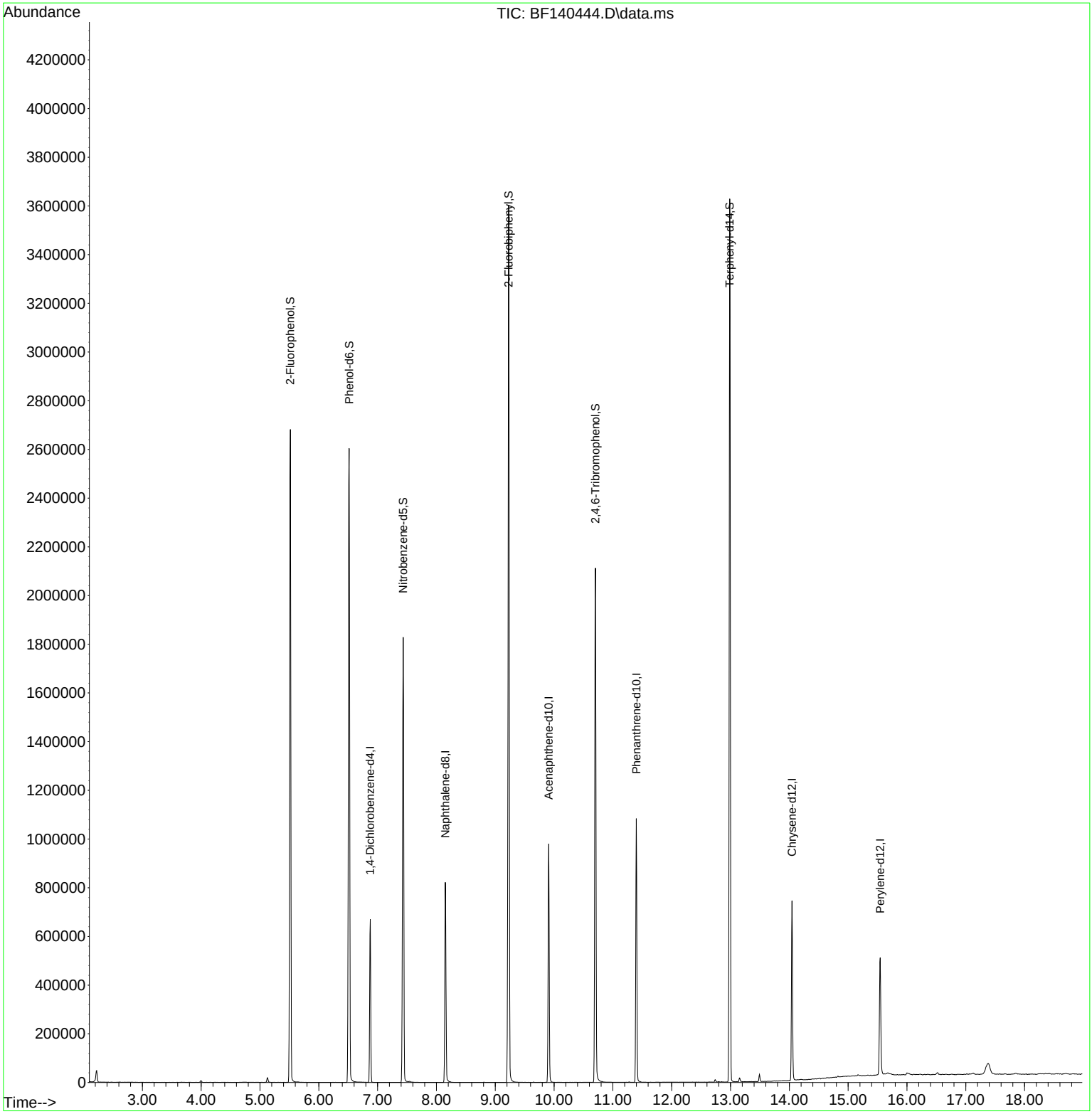
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	142751	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	545917	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	305122	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	581224	20.000	ng	0.00
76) Chrysene-d12	14.045	240	355427	20.000	ng	0.00
86) Perylene-d12	15.545	264	295657	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1035618	123.866	ng	0.02
7) Phenol-d6	6.516	99	1358724	119.949	ng	0.01
23) Nitrobenzene-d5	7.434	82	893759	85.301	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	382445	126.045	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1679654	88.493	ng	0.00
79) Terphenyl-d14	12.986	244	1809956	88.392	ng	0.00
Target Compounds						Qvalue

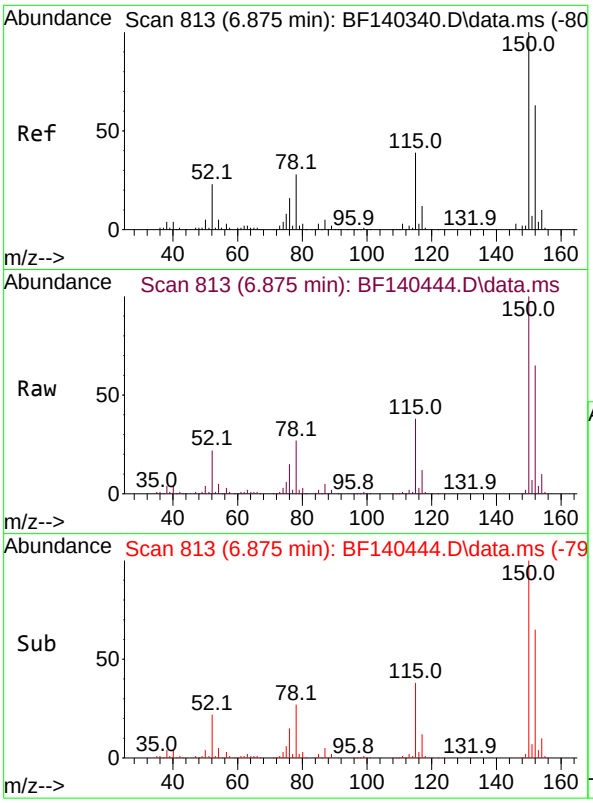
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140444.D
Acq On : 18 Nov 2024 10:39
Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Quant Time: Nov 18 11:37:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



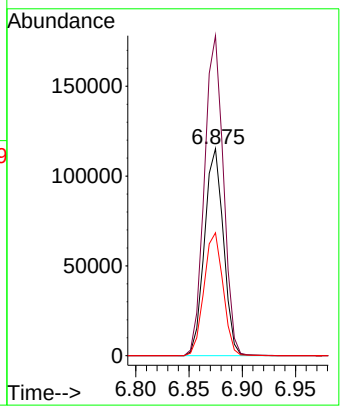


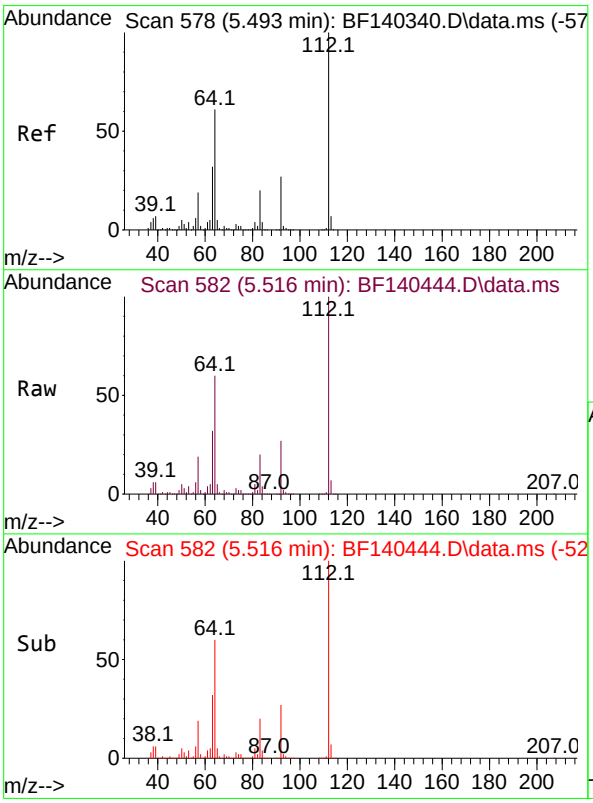
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Tgt Ion:152 Resp: 142751

Ion	Ratio	Lower	Upper
152	100		
150	154.5	127.4	191.0
115	59.3	47.4	71.2

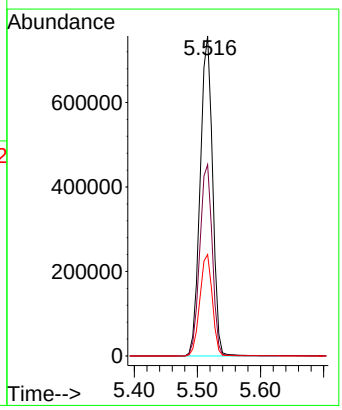


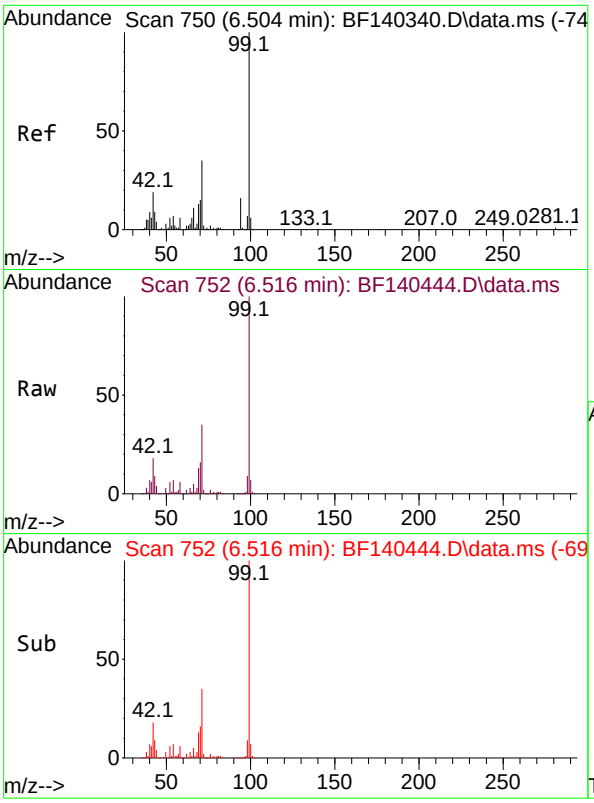


#5
2-Fluorophenol
Concen: 123.866 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.023 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Tgt Ion:112 Resp: 1035618

Ion	Ratio	Lower	Upper
112	100		
64	59.8	49.2	73.8
63	31.7	25.6	38.4



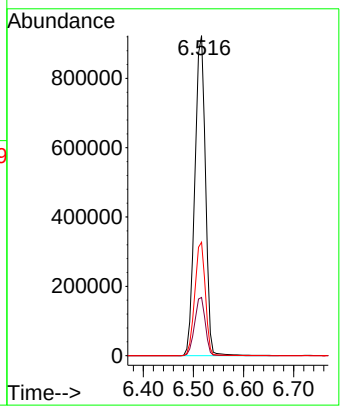


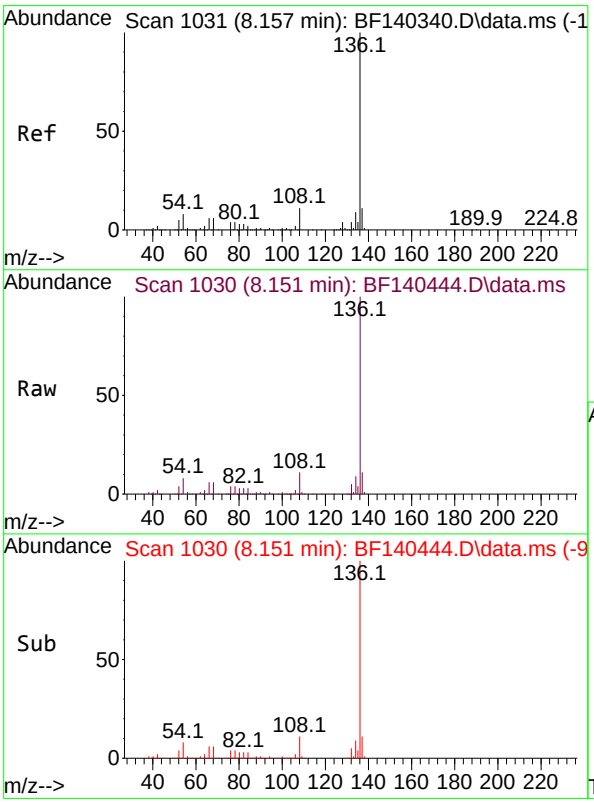
#7
Phenol-d6
Concen: 119.949 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Tgt Ion: 99 Resp: 1358724

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.1	22.7
71	35.5	27.9	41.9

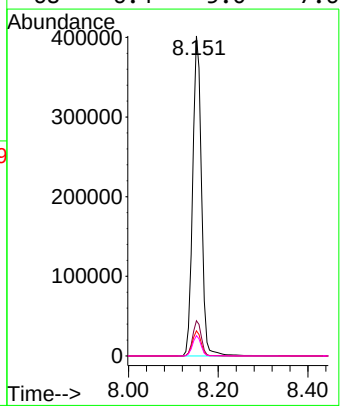


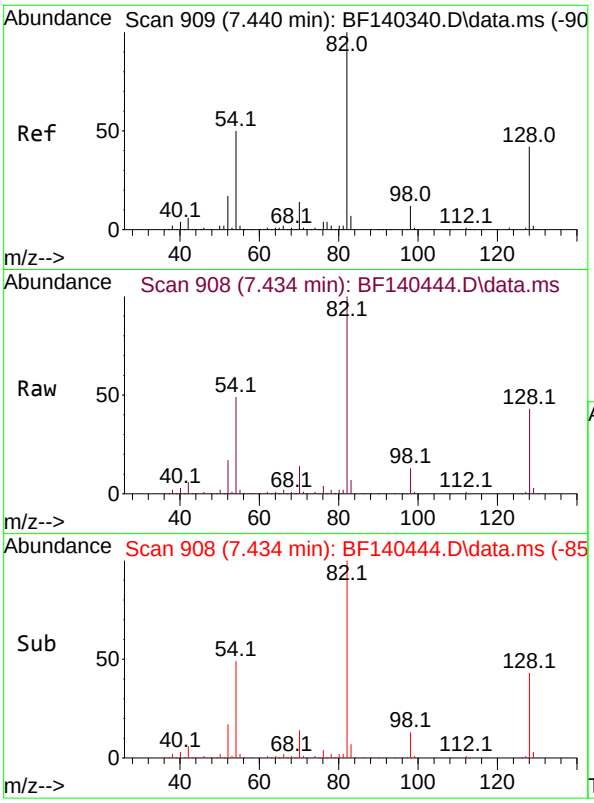


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Tgt Ion:136 Resp: 545917

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.9	6.5	9.7
68	6.4	5.0	7.6



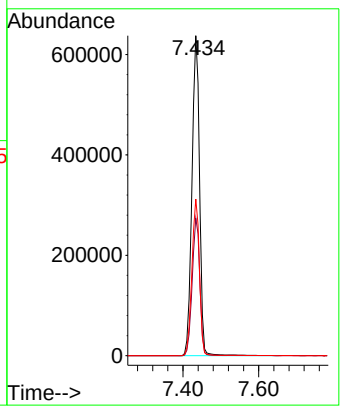


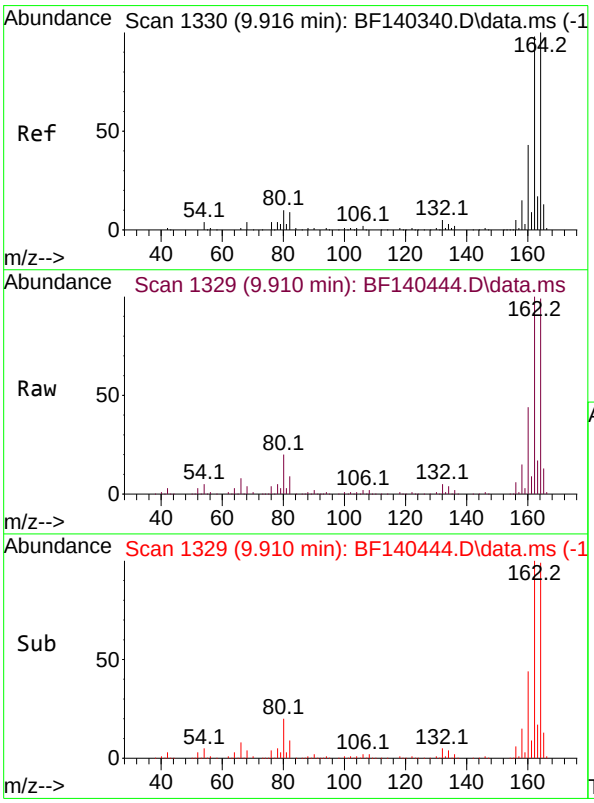
#23
Nitrobenzene-d5
Concen: 85.301 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Tgt Ion: 82 Resp: 893759

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.3	49.9
54	48.9	39.8	59.8

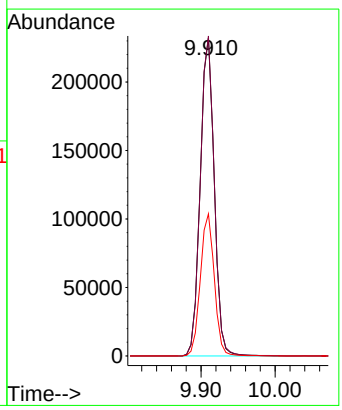


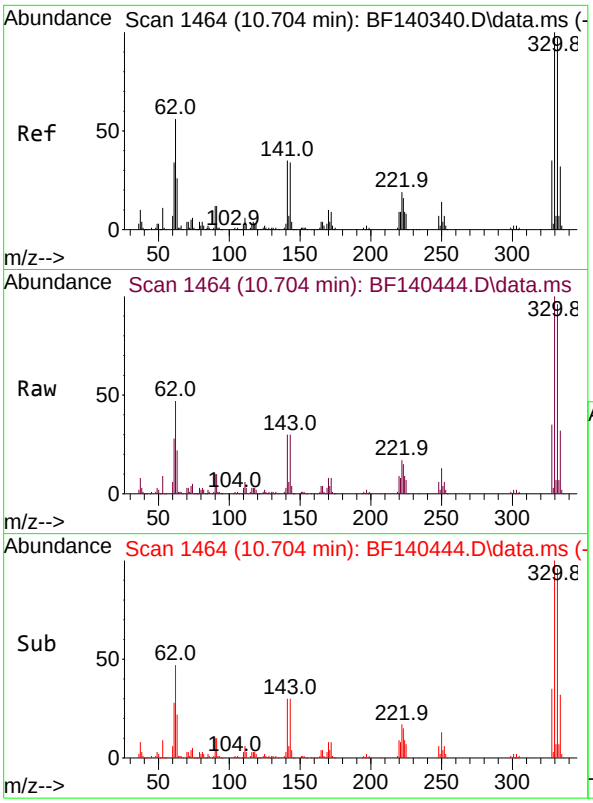


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Tgt Ion:164 Resp: 305122

Ion	Ratio	Lower	Upper
164	100		
162	100.6	79.8	119.8
160	44.7	35.4	53.0



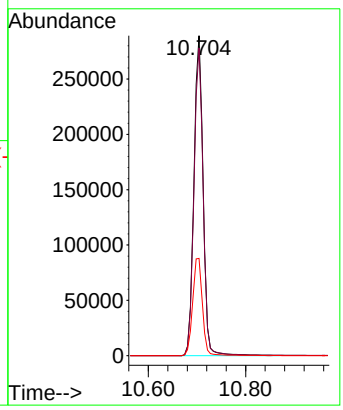


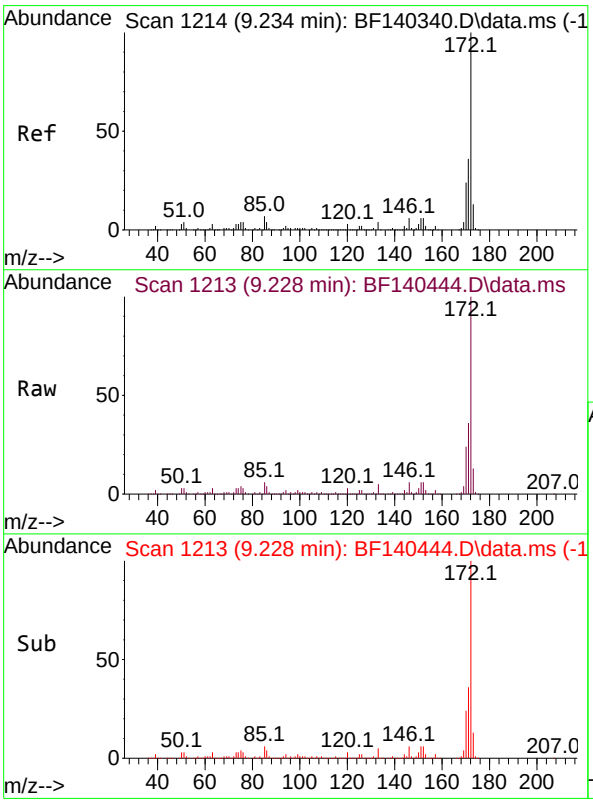
#42
2,4,6-Tribromophenol
Concen: 126.045 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Tgt Ion:330 Resp: 382445

Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.9	113.9
141	32.3	26.9	40.3

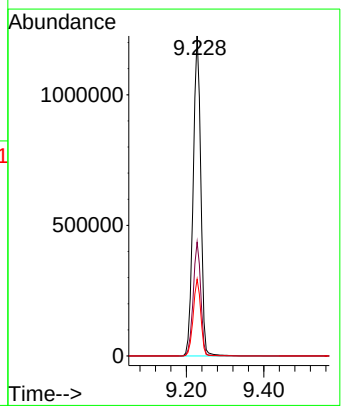


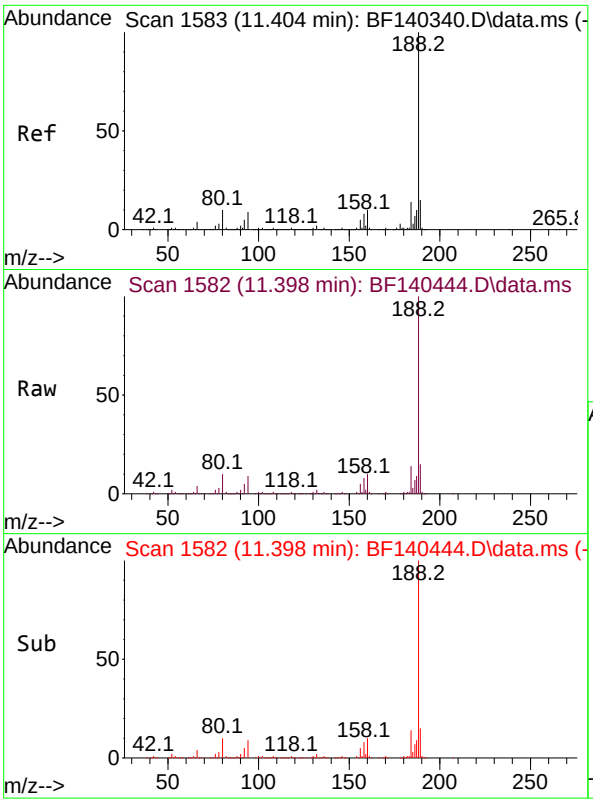


#45
2-Fluorobiphenyl
Concen: 88.493 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Tgt Ion:172 Resp: 1679654

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.5	42.7
170	24.0	19.1	28.7



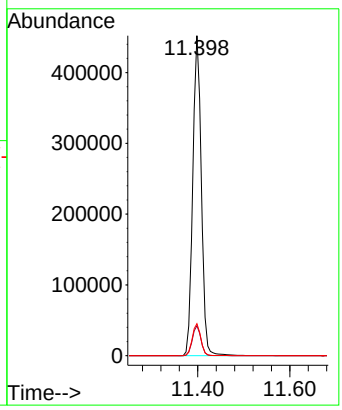


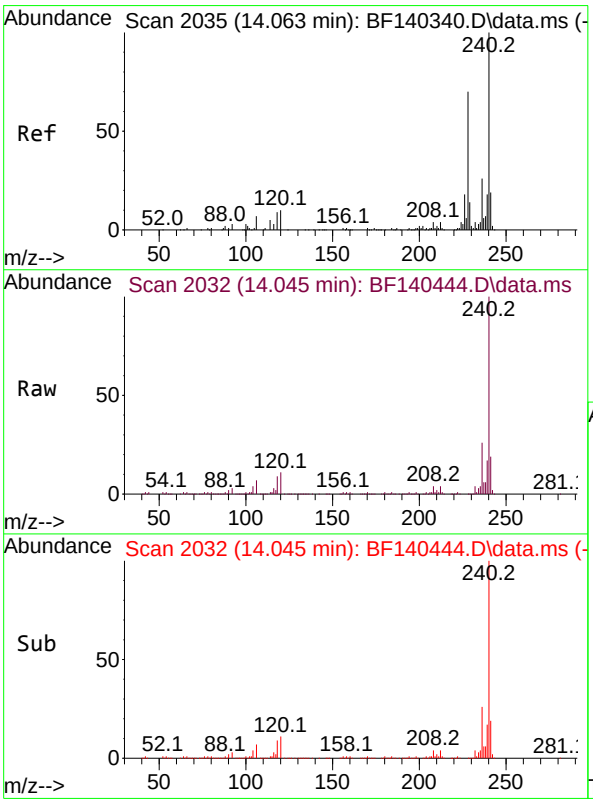
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Tgt Ion:188 Resp: 581224

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.6	11.4
80	10.0	8.0	12.0

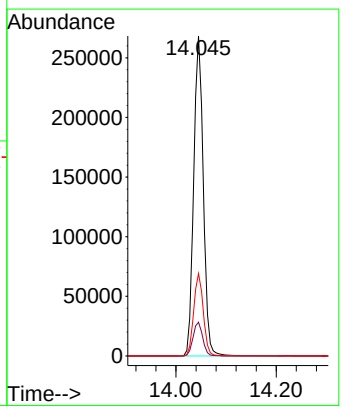


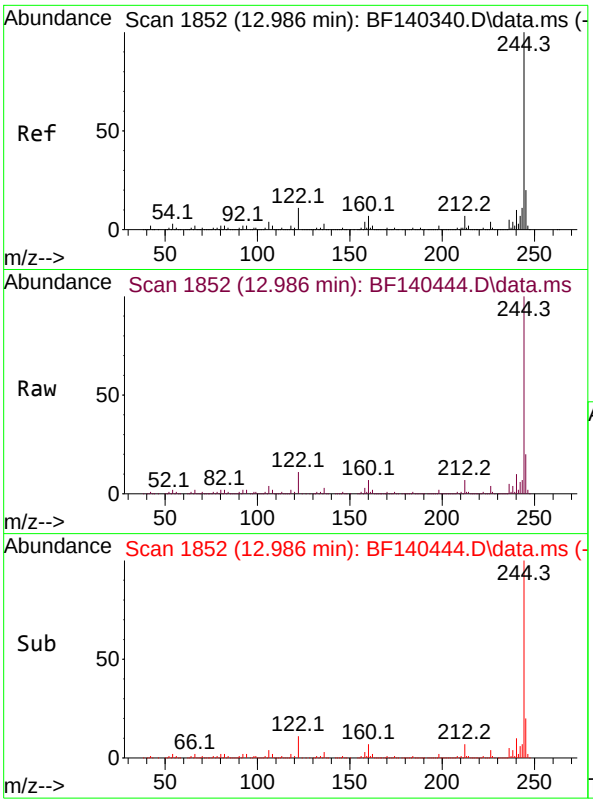


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Tgt Ion:240 Resp: 355427

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.8	13.2
236	25.8	20.9	31.3



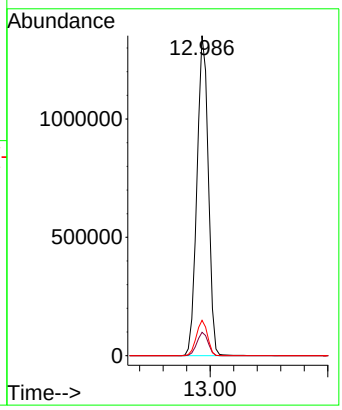


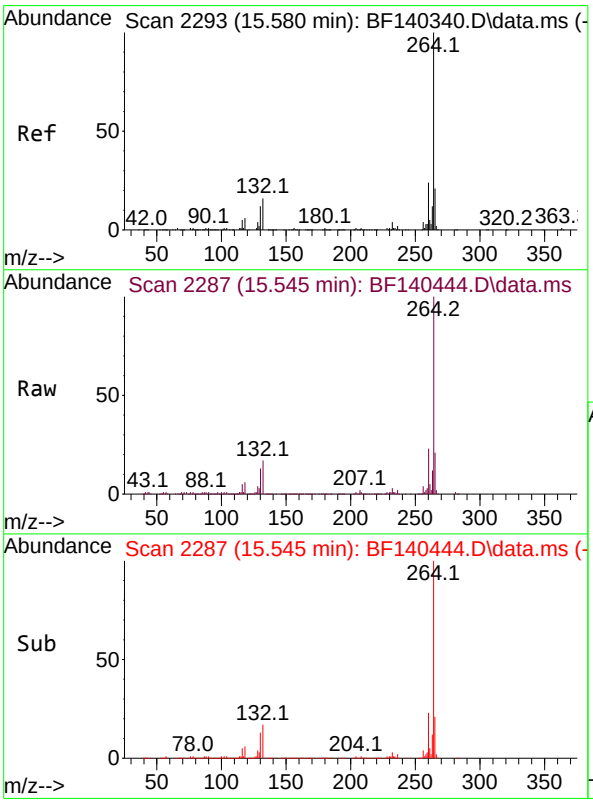
#79
Terphenyl-d14
Concen: 88.392 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Tgt Ion:244 Resp: 1809956

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	11.1	8.8	13.2

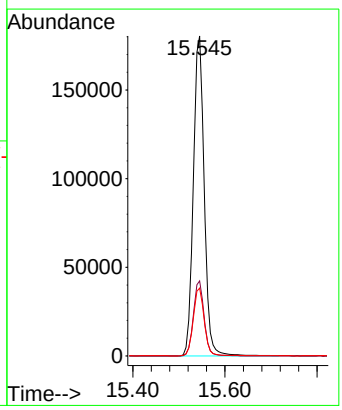




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. -0.012 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Tgt Ion:264 Resp: 295657

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.2	17.1	25.7



Sample Results: **BF140444.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140444.D
Acq On : 18 Nov 2024 10:39
Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165029BL

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-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140444.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.222	12	22	31	rVB	47353	87895	1.81%	0.301%
2	5.516	575	582	587	rBV	2681640	3658105	75.46%	12.542%
3	6.516	745	752	757	rBV	2603606	3790609	78.19%	12.996%
4	6.875	808	813	818	rBV	669580	833293	17.19%	2.857%
5	7.434	901	908	913	rBV	1828119	2526840	52.12%	8.663%
6	8.151	1024	1030	1042	rBV	821808	1103324	22.76%	3.783%
7	9.228	1206	1213	1218	rBV	3601518	4847864	100.00%	16.621%
8	9.910	1323	1329	1345	rBV	979715	1285453	26.52%	4.407%
9	10.704	1458	1464	1482	rBV	2112211	2891577	59.65%	9.914%
10	11.398	1577	1582	1600	rVB	1083165	1380754	28.48%	4.734%
11	12.986	1846	1852	1857	rBV	3627483	4808433	99.19%	16.486%
12	14.045	2027	2032	2044	rBV	737570	974949	20.11%	3.343%
13	15.545	2280	2287	2296	rBV	480622	789940	16.29%	2.708%
14	17.380	2590	2599	2614	rVB3	41645	187647	3.87%	0.643%

Sum of corrected areas: 29166683

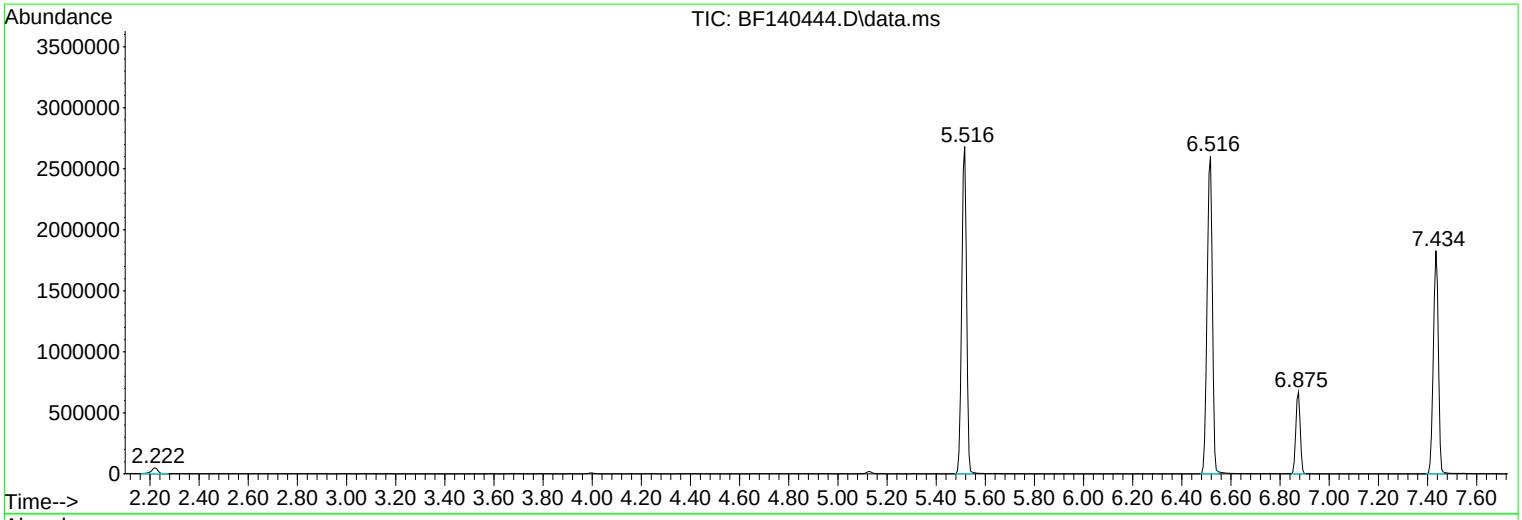
Sample Results: **BF140444.D**

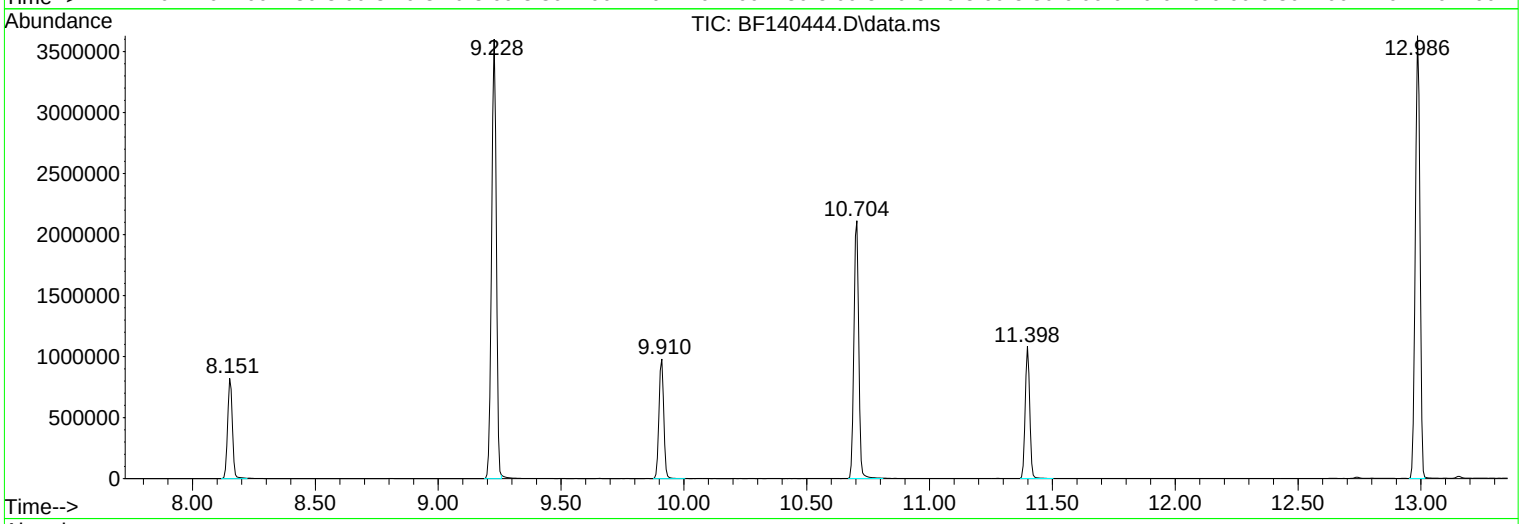
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140444.D
Acq On : 18 Nov 2024 10:39
Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

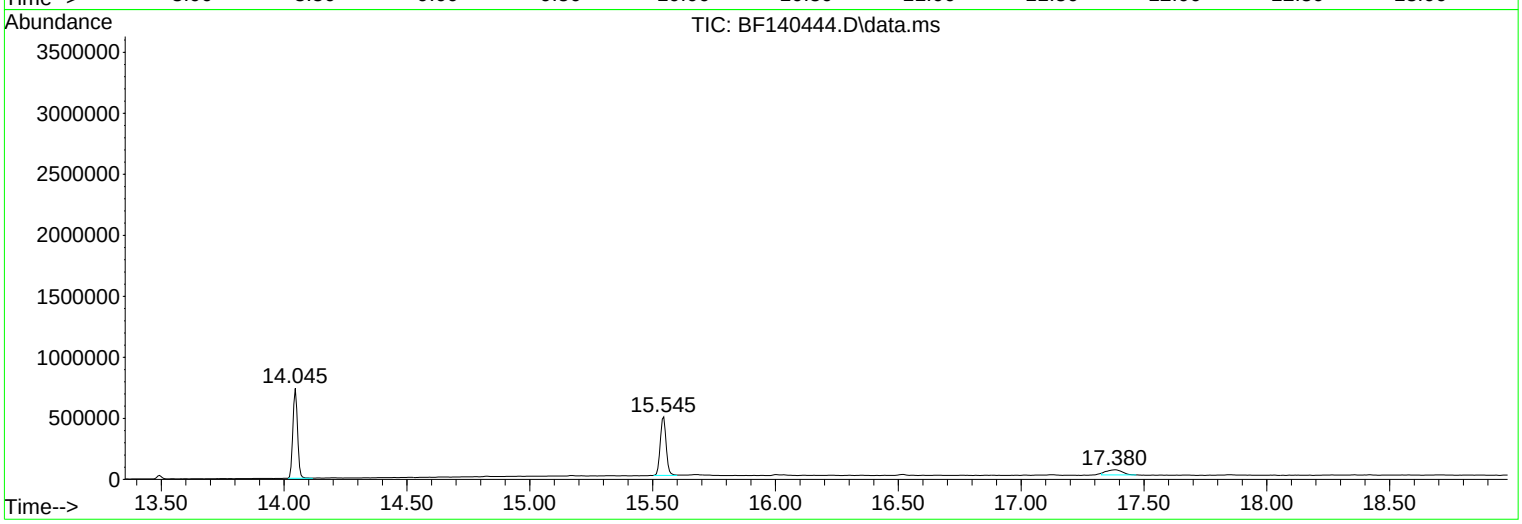
Instrument :
BNA_F
ClientSampleId :
PB165029BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.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\BF111824\
Data File : BF140444.D
Acq On : 18 Nov 2024 10:39
Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

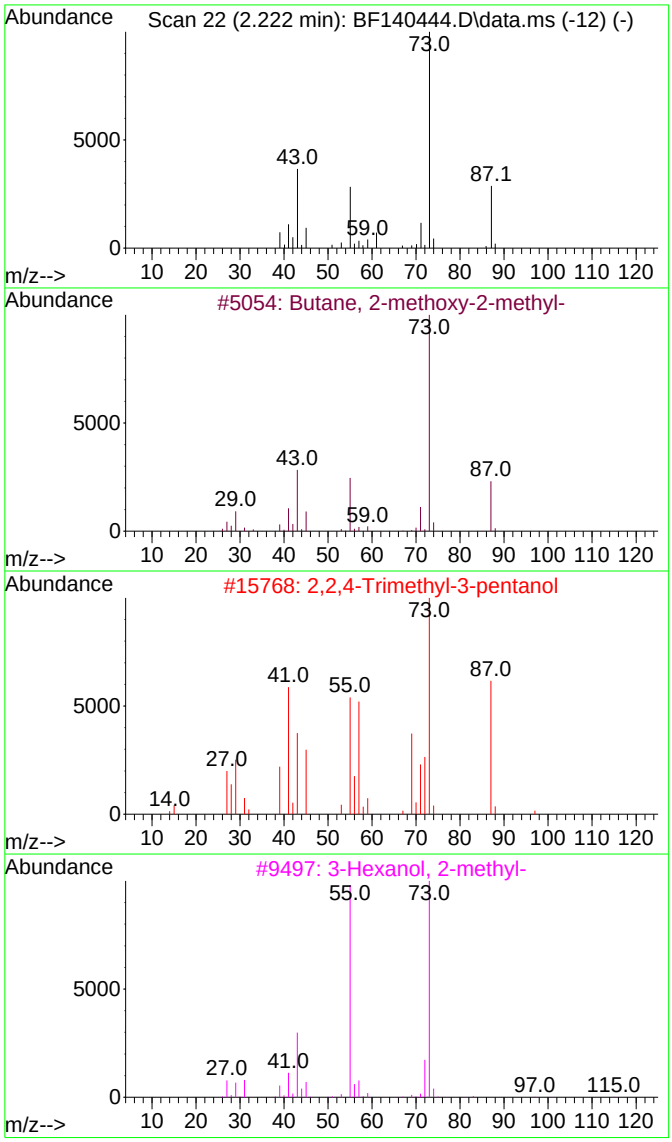
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

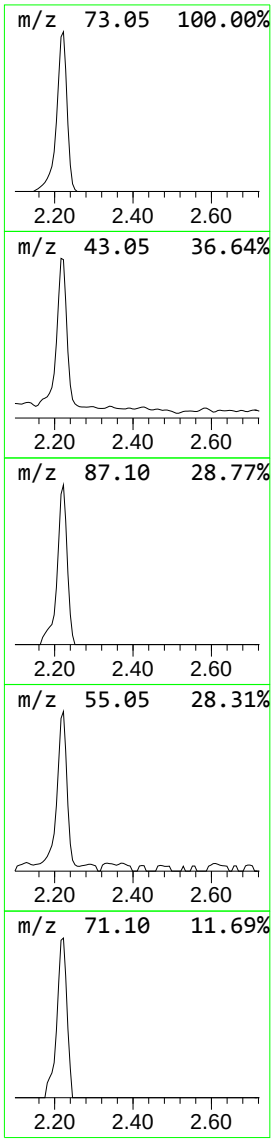
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.222	2.11 ng	87895	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	23
4	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	17
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140444.D
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Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

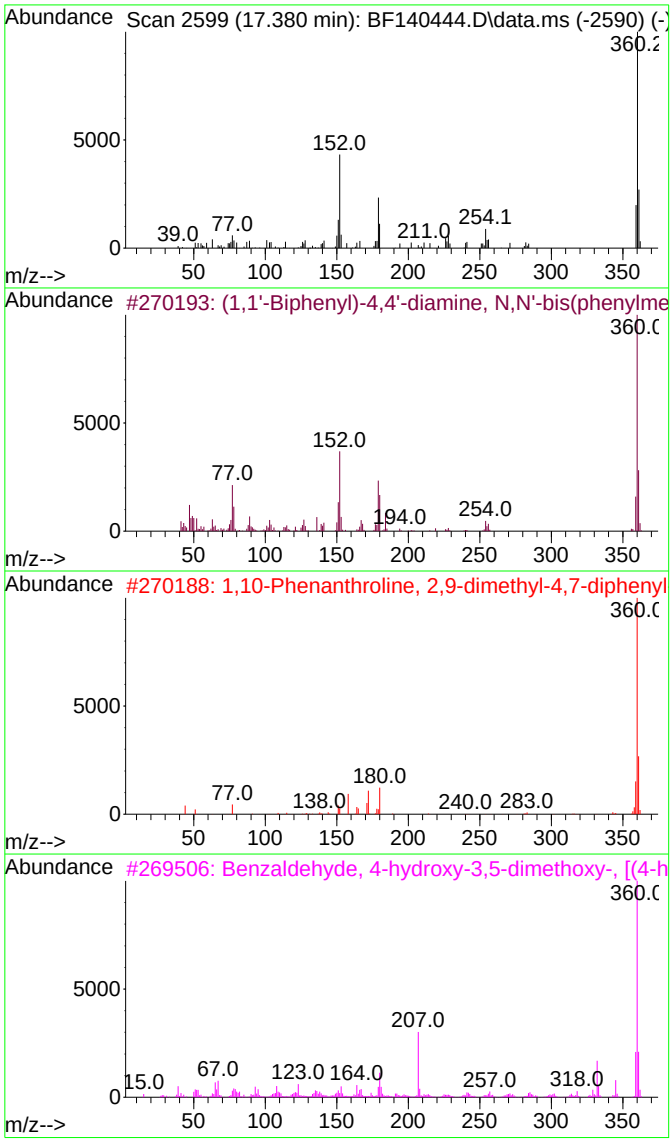
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TIC Integration Parameters: LSCINT.P

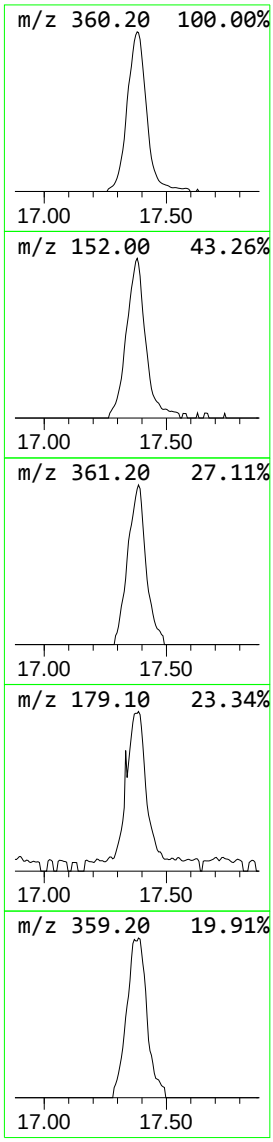
****

Peak Number 2 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.380	4.75 ng	187647	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	94
2	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	52
3	Benzaldehyde, 4-hydroxy-3,5-dime...	360	C18H20N2O6	014414-32-5	52
4	Androst-4-ene-3,17-dione, 12-hyd...	360	C21H32N2O3	069688-31-9	47
5	N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140444.D
Acq On : 18 Nov 2024 10:39
Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.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...	2.222	2.1	ng	87895	1	6.875	833293	20.0
(1,1'-Biphenyl)...	17.380	4.8	ng	187647	6	15.545	789940	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140445.D
Acq On : 18 Nov 2024 11:05
Operator : RC/JU
Sample : PB165029BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 11:37:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165029BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
11/19/2024
Supervised By :mohammad ahmed
11/19/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	142797	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	543909	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	303339	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	568567	20.000	ng		0.00
76) Chrysene-d12	14.057	240	301677	20.000	ng		0.00
86) Perylene-d12	15.551	264	262350	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1000875	119.672	ng		0.02
7) Phenol-d6	6.516	99	1300633	114.784	ng		0.01
23) Nitrobenzene-d5	7.440	82	860722	82.451	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	384780	127.560	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	1602496	84.924	ng		0.00
79) Terphenyl-d14	12.986	244	1712516	98.535	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	137852	36.982	ng		98
3) Pyridine	3.493	79	354693	38.705	ng		99
4) n-Nitrosodimethylamine	3.446	42	187846	40.558	ng		99
6) Aniline	6.540	93	374120	37.954	ng	#	50
8) 2-Chlorophenol	6.663	128	405231	45.106	ng		98
9) Benzaldehyde	6.428	77	36468	5.370	ng		96
10) Phenol	6.534	94	499145	41.771	ng	#	73
11) bis(2-Chloroethyl)ether	6.610	93	393787	43.492	ng		100
12) 1,3-Dichlorobenzene	6.816	146	413257	41.691	ng		99
13) 1,4-Dichlorobenzene	6.893	146	417677	41.556	ng		99
14) 1,2-Dichlorobenzene	7.045	146	398765	42.737	ng		99
15) Benzyl Alcohol	7.016	79	369056	45.207	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	529036	42.301	ng		70
17) 2-Methylphenol	7.134	107	318180	43.053	ng		94
18) Hexachloroethane	7.387	117	158881	42.759	ng		98
19) n-Nitroso-di-n-propyla...	7.287	70	287998	42.083	ng		100
20) 3+4-Methylphenols	7.287	107	400760	43.360	ng		95
22) Acetophenone	7.281	105	529582	41.863	ng		99
24) Nitrobenzene	7.457	77	445374	40.977	ng		99
25) Isophorone	7.692	82	804333	43.474	ng		99
26) 2-Nitrophenol	7.775	139	214074	44.384	ng		98
27) 2,4-Dimethylphenol	7.810	122	326761	52.918	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	489908	43.184	ng		99
29) 2,4-Dichlorophenol	8.016	162	341063	44.692	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	355715	41.867	ng		98
31) Naphthalene	8.181	128	1168469	42.349	ng		100
32) Benzoic acid	7.939	122	218773	40.264	ng		95
33) 4-Chloroaniline	8.228	127	234759	24.465	ng		98
34) Hexachlorobutadiene	8.292	225	229108	42.323	ng		99
35) Caprolactam	8.598	113	107905m	42.542	ng		
36) 4-Chloro-3-methylphenol	8.716	107	371125	43.883	ng		99
37) 2-Methylnaphthalene	8.869	142	765366	43.260	ng		100
38) 1-Methylnaphthalene	8.969	142	713542	41.186	ng		99
40) 1,2,4,5-Tetrachloroben...	9.034	216	360556	42.983	ng		98
41) Hexachlorocyclopentadiene	9.016	237	366390	170.119	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	243111	44.162	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140445.D
Acq On : 18 Nov 2024 11:05
Operator : RC/JU
Sample : PB165029BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 11:37:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165029BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

11/19/2024

Supervised By :mohammad ahmed

11/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	254080	42.215	ng	98
46) 1,1'-Biphenyl	9.334	154	953595	43.212	ng	99
47) 2-Chloronaphthalene	9.357	162	709256	42.191	ng	99
48) 2-Nitroaniline	9.457	65	246291	44.178	ng	98
49) Acenaphthylene	9.775	152	1176469	46.256	ng	100
50) Dimethylphthalate	9.633	163	883998	44.710	ng	99
51) 2,6-Dinitrotoluene	9.698	165	189531	42.048	ng	100
52) Acenaphthene	9.945	154	833212m	48.503	ng	
53) 3-Nitroaniline	9.869	138	130001	27.463	ng	98
54) 2,4-Dinitrophenol	9.981	184	198188	85.263	ng	99
55) Dibenzofuran	10.122	168	1070551	44.022	ng	100
56) 4-Nitrophenol	10.045	139	280804	81.325	ng	98
57) 2,4-Dinitrotoluene	10.104	165	263206	44.368	ng	100
58) Fluorene	10.463	166	833821	43.403	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	218568	45.992	ng	98
60) Diethylphthalate	10.333	149	885703	43.808	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	413629	43.611	ng	99
62) 4-Nitroaniline	10.486	138	199894	41.299	ng	99
63) Azobenzene	10.616	77	869372	43.520	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	139047	45.455	ng	98
66) n-Nitrosodiphenylamine	10.575	169	730437	44.463	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	249652	43.926	ng	98
68) Hexachlorobenzene	11.010	284	283562	44.343	ng	99
69) Atrazine	11.104	200	246446	49.585	ng	99
70) Pentachlorophenol	11.210	266	282690	82.067	ng	99
71) Phenanthrene	11.428	178	1183501	44.311	ng	100
72) Anthracene	11.480	178	1209578	46.209	ng	100
73) Carbazole	11.633	167	1099728	42.548	ng	99
74) Di-n-butylphthalate	11.957	149	1368135	44.103	ng	100
75) Fluoranthene	12.616	202	1255837	41.910	ng	99
77) Benzidine	12.739	184	313825	27.104	ng	100
78) Pyrene	12.851	202	1260459	48.846	ng	100
80) Butylbenzylphthalate	13.463	149	502582	50.700	ng	96
81) Benzo(a)anthracene	14.045	228	930920	46.952	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	177638	28.188	ng	100
83) Chrysene	14.080	228	816823	45.152	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	654935	49.499	ng	99
85) Di-n-octyl phthalate	14.657	149	849818	45.603	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	837971	51.707	ng	100
88) Benzo(b)fluoranthene	15.116	252	744683	43.392	ng	99
89) Benzo(k)fluoranthene	15.145	252	599133	42.735	ng	99
90) Benzo(a)pyrene	15.492	252	643530	48.287	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	681008	50.837	ng	99
92) Benzo(g,h,i)perylene	17.521	276	637219	46.529	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140445.D
Acq On : 18 Nov 2024 11:05
Operator : RC/JU
Sample : PB165029BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 11:37:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165029BS

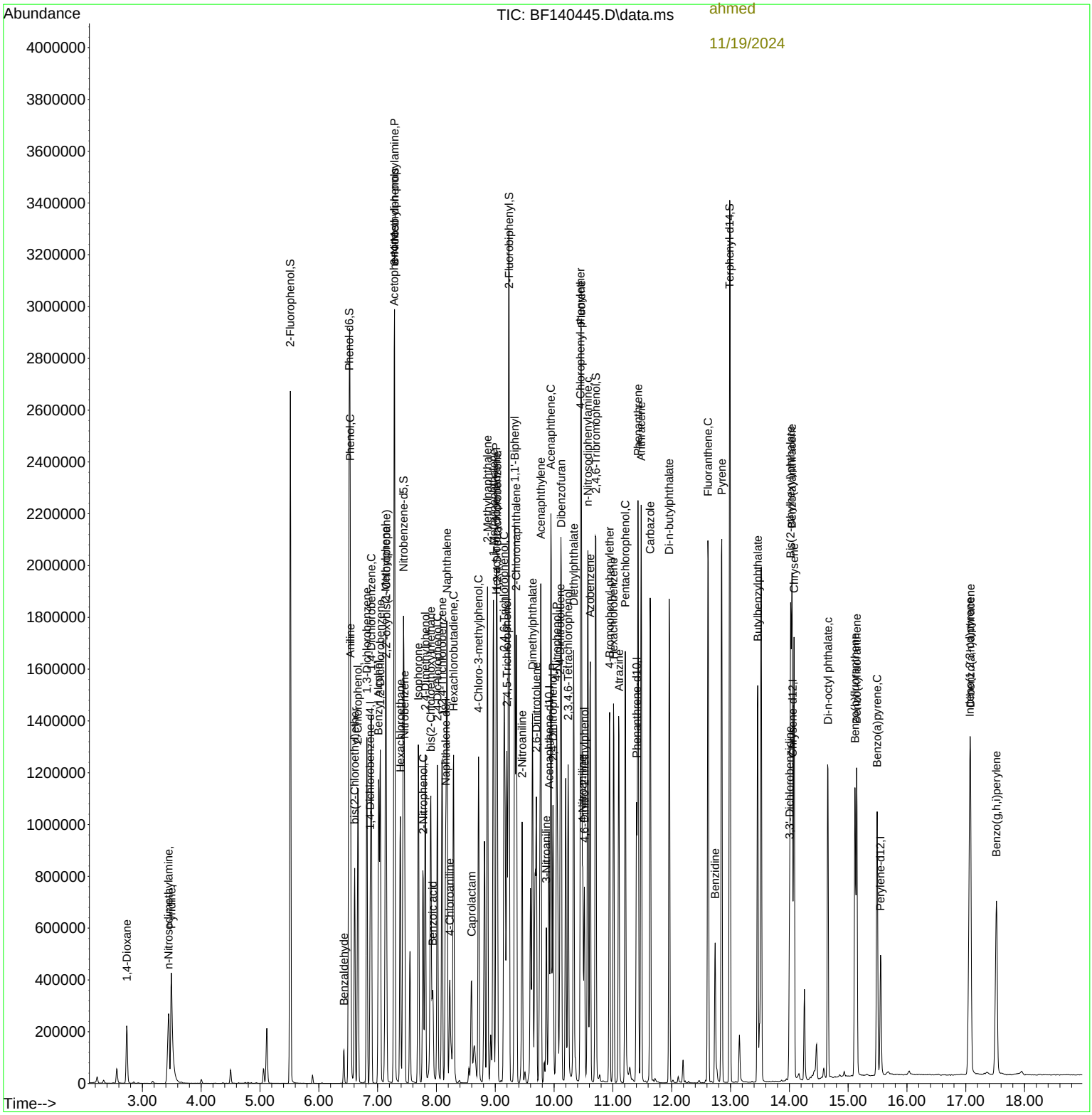
Manual Integrations APPROVED

Reviewed By :Yogesh Patel

11/19/2024

Supervised By :mohammad ahmed

11/19/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140639.D
Acq On : 26 Nov 2024 14:03
Operator : RC/JU
Sample : P4860-09MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 26 14:26:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	72875	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	271368	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	144034	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	272823	20.000	ng	0.00
76) Chrysene-d12	14.045	240	144480	20.000	ng	0.00
86) Perylene-d12	15.539	264	156989	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	443633	103.867	ng	0.00
7) Phenol-d6	6.510	99	584236	103.467	ng	0.00
23) Nitrobenzene-d5	7.434	82	377912	71.233	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	167747	108.895	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	710421	73.489	ng	0.00
79) Terphenyl-d14	12.980	244	779258	83.984	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.657	88	79542	44.293	ng	98
3) Pyridine	3.428	79	192802	48.796	ng	98
4) n-Nitrosodimethylamine	3.375	42	107349	46.227	ng	97
6) Aniline	6.534	93	146418	36.841	ng	92
8) 2-Chlorophenol	6.657	128	223335	48.603	ng	97
9) Benzaldehyde	6.422	77	18599	6.222	ng	99
10) Phenol	6.522	94	278171	48.239	ng	92
11) bis(2-Chloroethyl)ether	6.604	93	208272	47.198	ng	99
12) 1,3-Dichlorobenzene	6.810	146	238881	46.265	ng	98
13) 1,4-Dichlorobenzene	6.886	146	240428	45.988	ng	99
14) 1,2-Dichlorobenzene	7.039	146	227344	46.408	ng	100
15) Benzyl Alcohol	7.016	79	202443	48.345	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	256362	49.176	ng	98
17) 2-Methylphenol	7.128	107	171173	46.535	ng	97
18) Hexachloroethane	7.381	117	89375	45.772	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	154926	46.425	ng	97
20) 3+4-Methylphenols	7.281	107	220678	46.675	ng	96
22) Acetophenone	7.281	105	301891	45.632	ng	98
24) Nitrobenzene	7.451	77	241159	43.981	ng	99
25) Isophorone	7.692	82	411193	46.469	ng	99
26) 2-Nitrophenol	7.769	139	117437	48.330	ng	97
27) 2,4-Dimethylphenol	7.804	122	162312m	55.828	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	250883	46.540	ng	99
29) 2,4-Dichlorophenol	8.016	162	182253	47.309	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	194646	44.252	ng	100
31) Naphthalene	8.175	128	646180	46.229	ng	99
32) Benzoic acid	7.933	122	101818	41.406	ng	96
33) 4-Chloroaniline	8.228	127	83516	19.956	ng	99
34) Hexachlorobutadiene	8.286	225	128456	44.091	ng	99
35) Caprolactam	8.586	113	56877m	47.707	ng	
36) 4-Chloro-3-methylphenol	8.716	107	197751	45.847	ng	98
37) 2-Methylnaphthalene	8.863	142	414518	46.690	ng	100
38) 1-Methylnaphthalene	8.963	142	381148	43.798	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	202324	47.983	ng	99
41) Hexachlorocyclopentadiene	9.016	237	135863	137.572	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	127748	48.282	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140639.D
Acq On : 26 Nov 2024 14:03
Operator : RC/JU
Sample : P4860-09MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 26 14:26:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	139416	48.551	ng	96
46) 1,1'-Biphenyl	9.328	154	514692	47.862	ng	99
47) 2-Chloronaphthalene	9.357	162	382485	46.940	ng	99
48) 2-Nitroaniline	9.457	65	125839	48.114	ng	95
49) Acenaphthylene	9.769	152	630563	51.217	ng	99
50) Dimethylphthalate	9.627	163	454611	47.924	ng	100
51) 2,6-Dinitrotoluene	9.692	165	99188	46.104	ng	97
52) Acenaphthene	9.939	154	375033	47.942	ng	98
53) 3-Nitroaniline	9.863	138	57822	27.480	ng	98
54) 2,4-Dinitrophenol	9.980	184	98260	87.387	ng	95
55) Dibenzofuran	10.116	168	572484	47.979	ng	100
56) 4-Nitrophenol	10.039	139	152831	106.501	ng	94
57) 2,4-Dinitrotoluene	10.104	165	135674	47.451	ng	97
58) Fluorene	10.457	166	453902	47.392	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	112703	51.069	ng	94
60) Diethylphthalate	10.327	149	451967	46.895	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	224254	47.711	ng	99
62) 4-Nitroaniline	10.480	138	100696	45.629	ng	96
63) Azobenzene	10.610	77	524784	57.497	ng	95
65) 4,6-Dinitro-2-methylph...	10.516	198	71190	51.064	ng	95
66) n-Nitrosodiphenylamine	10.569	169	387249	47.998	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	130003	46.270	ng	97
68) Hexachlorobenzene	11.010	284	148605	45.678	ng	100
69) Atrazine	11.098	200	129488	57.050	ng	98
70) Pentachlorophenol	11.210	266	144797	101.125	ng	99
71) Phenanthrene	11.421	178	647201	49.351	ng	100
72) Anthracene	11.474	178	648791	50.575	ng	100
73) Carbazole	11.633	167	614631	49.804	ng	100
74) Di-n-butylphthalate	11.957	149	707026	49.624	ng	99
75) Fluoranthene	12.616	202	684156	48.049	ng	99
77) Benzidine	12.739	184	68757	16.368	ng	99
78) Pyrene	12.845	202	686681	51.402	ng	99
80) Butylbenzylphthalate	13.457	149	269712	56.045	ng	99
81) Benzo(a)anthracene	14.033	228	484677	50.677	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	93315	32.497	ng	99
83) Chrysene	14.074	228	418366	47.839	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	354267	58.299	ng	99
85) Di-n-octyl phthalate	14.633	149	475051	57.203	ng	97
87) Indeno(1,2,3-cd)pyrene	17.051	276	469230	45.864	ng	98
88) Benzo(b)fluoranthene	15.098	252	447398	45.372	ng	99
89) Benzo(k)fluoranthene	15.133	252	401777	46.561	ng	99
90) Benzo(a)pyrene	15.474	252	415830	51.865	ng	99
91) Dibenzo(a,h)anthracene	17.056	278	391712	46.751	ng	99
92) Benzo(g,h,i)perylene	17.503	276	334296	39.099	ng	98

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

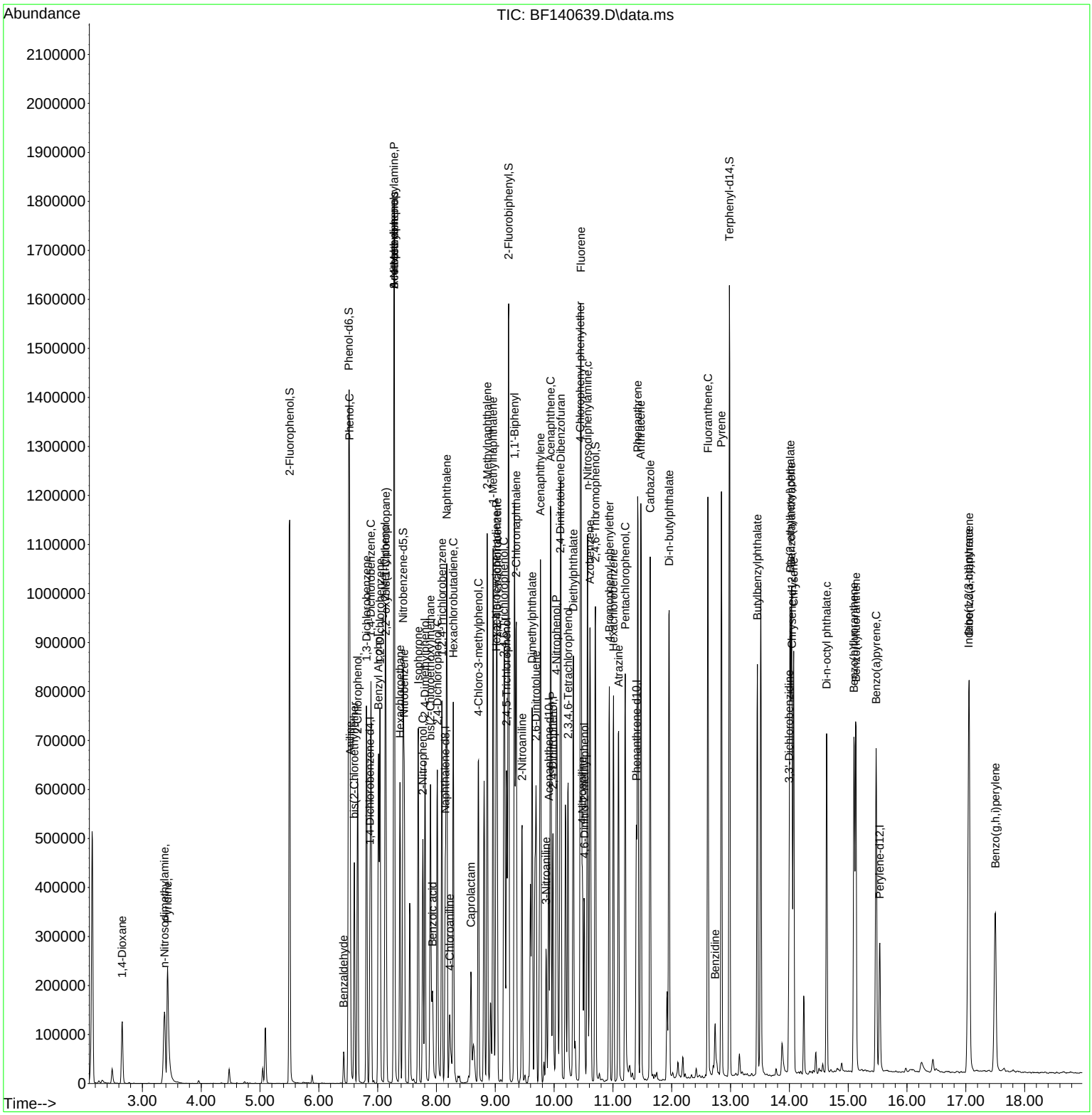
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140639.D
Acq On : 26 Nov 2024 14:03
Operator : RC/JU
Sample : P4860-09MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 26 14:26:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140640.D
Acq On : 26 Nov 2024 14:29
Operator : RC/JU
Sample : P4860-09MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 26 15:01:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	75738	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	275981	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	148258	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	278787	20.000	ng	0.00
76) Chrysene-d12	14.045	240	147921	20.000	ng	0.00
86) Perylene-d12	15.539	264	159754	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	452634	101.968	ng	0.00
7) Phenol-d6	6.510	99	602017	102.586	ng	0.00
23) Nitrobenzene-d5	7.434	82	387966	71.906	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	178860	112.801	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	731930	73.556	ng	0.00
79) Terphenyl-d14	12.980	244	806951	84.946	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	83030	44.488	ng	98
3) Pyridine	3.440	79	199530	48.590	ng	100
4) n-Nitrosodimethylamine	3.393	42	110007	45.581	ng	94
6) Aniline	6.534	93	152440	36.906	ng	89
8) 2-Chlorophenol	6.657	128	228770	47.903	ng	97
9) Benzaldehyde	6.422	77	19221	6.187	ng	97
10) Phenol	6.522	94	288564	48.149	ng	93
11) bis(2-Chloroethyl)ether	6.604	93	212654	46.369	ng	100
12) 1,3-Dichlorobenzene	6.810	146	241782	45.057	ng	99
13) 1,4-Dichlorobenzene	6.887	146	246206	45.313	ng	100
14) 1,2-Dichlorobenzene	7.040	146	234514	46.062	ng	99
15) Benzyl Alcohol	7.016	79	208144	47.827	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.140	45	262237	48.401	ng	95
17) 2-Methylphenol	7.128	107	174379	45.615	ng	98
18) Hexachloroethane	7.381	117	90682	44.686	ng	99
19) n-Nitroso-di-n-propyla...	7.281	70	159400	45.960	ng	97
20) 3+4-Methylphenols	7.281	107	228040	46.409	ng	93
22) Acetophenone	7.281	105	313349	46.572	ng	98
24) Nitrobenzene	7.451	77	245197	43.970	ng	98
25) Isophorone	7.692	82	424726	47.196	ng	100
26) 2-Nitrophenol	7.769	139	121050	48.984	ng	98
27) 2,4-Dimethylphenol	7.804	122	165488m	55.969	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	257546	46.977	ng	99
29) 2,4-Dichlorophenol	8.016	162	187124	47.761	ng	97
30) 1,2,4-Trichlorobenzene	8.092	180	199338	44.561	ng	100
31) Naphthalene	8.175	128	660640	46.473	ng	99
32) Benzoic acid	7.934	122	108817	43.147	ng	97
33) 4-Chloroaniline	8.228	127	85105	19.996	ng	99
34) Hexachlorobutadiene	8.287	225	133144	44.936	ng	99
35) Caprolactam	8.592	113	58695m	48.409	ng	
36) 4-Chloro-3-methylphenol	8.716	107	203995	46.504	ng	97
37) 2-Methylnaphthalene	8.863	142	431078	47.743	ng	100
38) 1-Methylnaphthalene	8.963	142	399182	45.104	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	207346	47.773	ng	99
41) Hexachlorocyclopentadiene	9.016	237	139115	136.890	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	132214	48.546	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140640.D
Acq On : 26 Nov 2024 14:29
Operator : RC/JU
Sample : P4860-09MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 26 15:01:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	139339	47.142	ng	97
46) 1,1'-Biphenyl	9.328	154	533355	48.184	ng	99
47) 2-Chloronaphthalene	9.357	162	394050	46.982	ng	98
48) 2-Nitroaniline	9.457	65	129772	48.204	ng	95
49) Acenaphthylene	9.769	152	644809	50.882	ng	100
50) Dimethylphthalate	9.628	163	472955	48.438	ng	100
51) 2,6-Dinitrotoluene	9.698	165	103339	46.665	ng	91
52) Acenaphthene	9.945	154	387584	48.135	ng	99
53) 3-Nitroaniline	9.869	138	61326	28.315	ng	95
54) 2,4-Dinitrophenol	9.981	184	107464	92.361	ng	97
55) Dibenzofuran	10.116	168	596542	48.570	ng	100
56) 4-Nitrophenol	10.039	139	158749	107.473	ng	97
57) 2,4-Dinitrotoluene	10.104	165	141491	48.076	ng	97
58) Fluorene	10.457	166	470424	47.718	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	119700	52.694	ng	93
60) Diethylphthalate	10.328	149	468228	47.198	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	230121	47.565	ng	100
62) 4-Nitroaniline	10.486	138	105079	46.258	ng	94
63) Azobenzene	10.610	77	540322	57.513	ng	95
65) 4,6-Dinitro-2-methylph...	10.516	198	77032	54.072	ng	95
66) n-Nitrosodiphenylamine	10.569	169	406074	49.254	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	137508	47.894	ng	96
68) Hexachlorobenzene	11.010	284	154467	46.464	ng	99
69) Atrazine	11.098	200	133071	57.375	ng	99
70) Pentachlorophenol	11.210	266	152609	104.301	ng	100
71) Phenanthrene	11.422	178	658804	49.161	ng	100
72) Anthracene	11.475	178	676581	51.613	ng	100
73) Carbazole	11.633	167	628221	49.817	ng	100
74) Di-n-butylphthalate	11.951	149	727758	49.987	ng	100
75) Fluoranthene	12.616	202	702180	48.260	ng	100
77) Benzidine	12.739	184	75710	17.604	ng	99
78) Pyrene	12.845	202	702243	51.344	ng	99
80) Butylbenzylphthalate	13.457	149	280392	56.909	ng	99
81) Benzo(a)anthracene	14.033	228	488588	49.898	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	99630	33.889	ng	99
83) Chrysene	14.074	228	422655	47.206	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	361779	58.150	ng	99
85) Di-n-octyl phthalate	14.633	149	477197	56.125	ng	98
87) Indeno(1,2,3-cd)pyrene	17.051	276	472802	45.414	ng	98
88) Benzo(b)fluoranthene	15.104	252	452991	45.144	ng	100
89) Benzo(k)fluoranthene	15.133	252	424543	48.348	ng	99
90) Benzo(a)pyrene	15.474	252	423518	51.910	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	393201	46.117	ng	100
92) Benzo(g,h,i)perylene	17.504	276	330770	38.017	ng	98

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

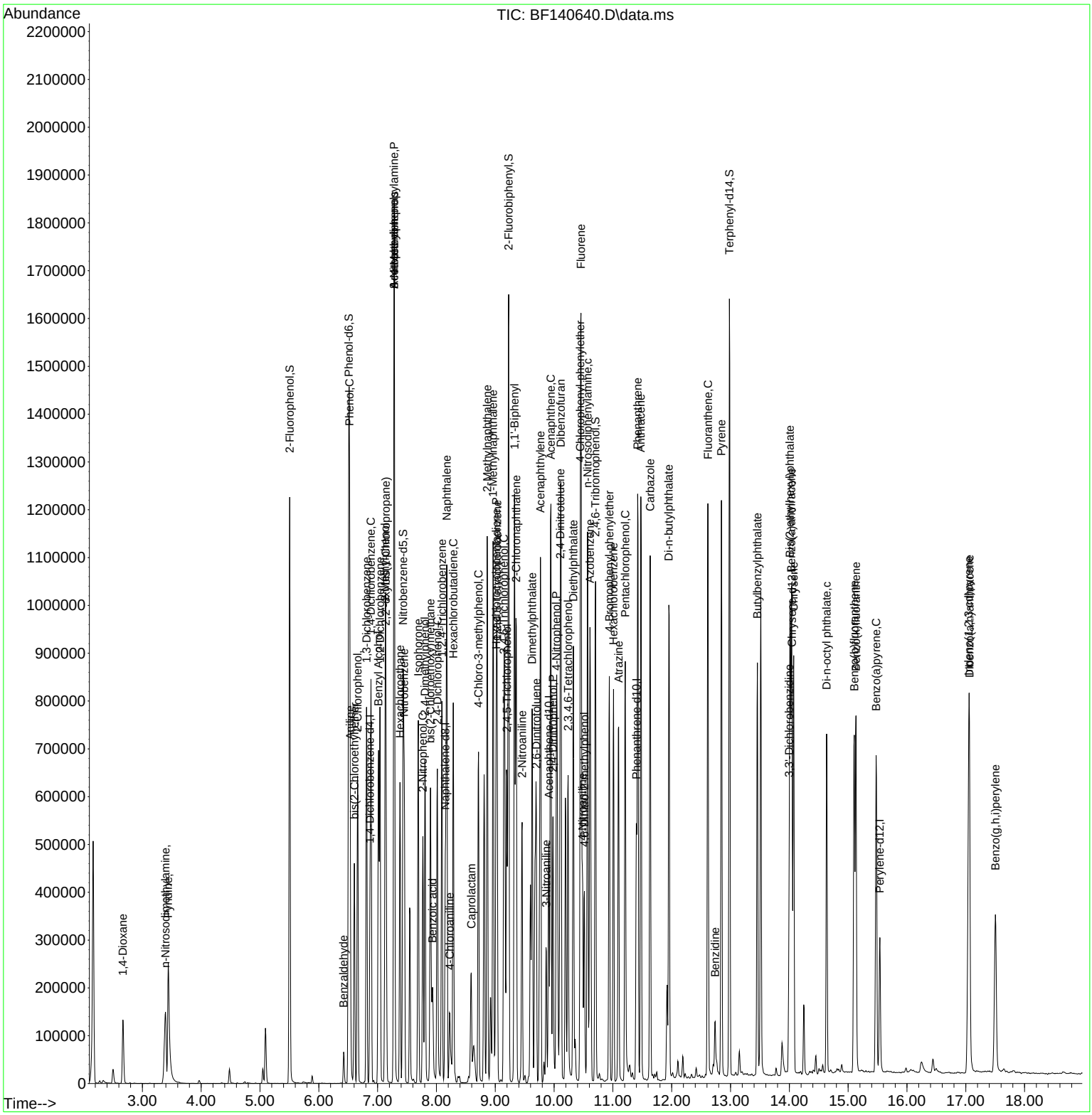
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140640.D
Acq On : 26 Nov 2024 14:29
Operator : RC/JU
Sample : P4860-09MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 26 15:01:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



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

Manual Integration Report

Sequence:	BF111324	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF140333.D	Benzoic acid	yogesh	11/14/2024 3:08:33 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC010	BF140334.D	2,3,4,6-Tetrachlorophenol	yogesh	11/14/2024 3:08:38 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC010	BF140334.D	Benzoic acid	yogesh	11/14/2024 3:08:38 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC080	BF140339.D	Caprolactam	yogesh	11/14/2024 3:08:41 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf111824	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140443.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:20:35 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
PB165029BS	BF140445.D	Acenaphthene	yogesh	11/19/2024 3:20:37 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
PB165029BS	BF140445.D	Caprolactam	yogesh	11/19/2024 3:20:37 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
SSTDCCC040	BF140456.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:20:45 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF112124	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF140530.D	Benzoic acid	yogesh	11/22/2024 3:53:18 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDICC020	BF140531.D	Acenaphthene	yogesh	11/22/2024 3:53:19 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDICCC040	BF140532.D	Acenaphthene	yogesh	11/22/2024 3:53:21 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDICV040	BF140536.D	Acenaphthene	yogesh	11/22/2024 3:53:22 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDCCC040	BF140539.D	2,4-Dimethylphenol	yogesh	11/22/2024 3:53:24 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDCCC040	BF140539.D	Acenaphthene	yogesh	11/22/2024 3:53:24 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF112224	Instrument	BNA_f

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

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

Manual Integration Report

Sequence:	bf112524	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140590.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:26:43 AM	mohammad	11/27/2024 6:04:35 AM	Peak Integrated by Software
SSTDCCC040	BF140604.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:27:03 AM	mohammad	11/27/2024 6:04:35 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF112624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140629.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:32:34 AM	mohammad	11/27/2024 6:05:09 AM	Peak Integrated by Software
P4860-09MS	BF140639.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:32:45 AM	mohammad	11/27/2024 6:05:09 AM	Peak Integrated by Software
P4860-09MS	BF140639.D	Caprolactam	yogesh	11/27/2024 5:32:45 AM	mohammad	11/27/2024 6:05:09 AM	Peak Integrated by Software
P4860-09MSD	BF140640.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:32:47 AM	mohammad	11/27/2024 6:05:09 AM	Peak Integrated by Software
P4860-09MSD	BF140640.D	Caprolactam	yogesh	11/27/2024 5:32:47 AM	mohammad	11/27/2024 6:05:09 AM	Peak Integrated by Software

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 # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM				
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM				
SubDirectory	BF111324	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140331.D	13 Nov 2024 08:35	RC/JU	Ok
2	SSTDICC2.5	BF140332.D	13 Nov 2024 09:01	RC/JU	Ok
3	SSTDICC005	BF140333.D	13 Nov 2024 09:27	RC/JU	Ok,M
4	SSTDICC010	BF140334.D	13 Nov 2024 09:53	RC/JU	Ok,M
5	SSTDICC020	BF140335.D	13 Nov 2024 10:29	RC/JU	Ok
6	SSTDICCC040	BF140336.D	13 Nov 2024 10:55	RC/JU	Not Ok
7	SSTDICC050	BF140337.D	13 Nov 2024 11:21	RC/JU	Ok
8	SSTDICC060	BF140338.D	13 Nov 2024 11:47	RC/JU	Ok
9	SSTDICC080	BF140339.D	13 Nov 2024 12:13	RC/JU	Ok,M
10	SSTDICCC040	BF140340.D	13 Nov 2024 12:48	RC/JU	Ok
11	SSTDICV040	BF140341.D	13 Nov 2024 13:19	RC/JU	Ok
12	PB164401BL	BF140342.D	13 Nov 2024 13:45	RC/JU	Ok
13	P4495-11	BF140343.D	13 Nov 2024 15:25	RC/JU	Dilution
14	P4495-11DL	BF140344.D	13 Nov 2024 16:02	RC/JU	Ok
15	P3845-03	BF140345.D	13 Nov 2024 16:40	RC/JU	Dilution
16	P3845-03DL	BF140346.D	13 Nov 2024 17:06	RC/JU	Ok
17	P3845-06	BF140347.D	13 Nov 2024 17:32	RC/JU	Dilution
18	P3845-06DL	BF140348.D	13 Nov 2024 17:58	RC/JU	Not Ok
19	SP6681	BF140349.D	13 Nov 2024 18:39	RC/JU	Ok,NS

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 # BF111824

Review By	yogesh	Review On	11/19/2024 3:20:55 AM				
Supervise By	mohammad	Supervise On	11/19/2024 3:30:54 AM				
SubDirectory	BF111824	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140442.D	18 Nov 2024 09:18	RC/JU	Ok
2	SSTDCCC040	BF140443.D	18 Nov 2024 10:13	RC/JU	Ok,M
3	PB165029BL	BF140444.D	18 Nov 2024 10:39	RC/JU	Ok
4	PB165029BS	BF140445.D	18 Nov 2024 11:05	RC/JU	Ok,M
5	PB164846BS	BF140446.D	18 Nov 2024 11:32	RC/JU	Ok,M
6	PB164846BSD	BF140447.D	18 Nov 2024 11:58	RC/JU	Ok,M
7	PB164940BL	BF140448.D	18 Nov 2024 12:24	RC/JU	Ok
8	PB164940BS	BF140449.D	18 Nov 2024 12:50	RC/JU	Ok,M
9	PB164965BL	BF140450.D	18 Nov 2024 13:16	RC/JU	Ok
10	PB164965BS	BF140451.D	18 Nov 2024 13:43	RC/JU	Ok,M
11	PB164969BS	BF140452.D	18 Nov 2024 14:19	RC/JU	Ok,M
12	PB164969BL	BF140453.D	18 Nov 2024 14:45	RC/JU	Ok
13	PB164880TB	BF140454.D	18 Nov 2024 15:11	RC/JU	Ok
14	DFTPP	BF140455.D	18 Nov 2024 15:48	RC/JU	Ok
15	SSTDCCC040	BF140456.D	18 Nov 2024 16:14	RC/JU	Ok,M
16	PB164944TB	BF140457.D	18 Nov 2024 16:40	RC/JU	Ok
17	P4821-04RE	BF140458.D	18 Nov 2024 17:13	RC/JU	Confirms
18	P4861-01	BF140459.D	18 Nov 2024 17:40	RC/JU	Ok
19	P4871-01	BF140460.D	18 Nov 2024 18:06	RC/JU	Ok
20	P4848-02	BF140461.D	18 Nov 2024 18:32	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 # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM				
SubDirectory	BF112124	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140526.D	21 Nov 2024 10:17	RC/JU	Ok
2	SSTDCCC040	BF140527.D	21 Nov 2024 10:44	RC/JU	Not Ok
3	SSTDICC2.5	BF140528.D	21 Nov 2024 11:13	RC/JU	Ok
4	SSTDICC005	BF140529.D	21 Nov 2024 11:39	RC/JU	Ok
5	SSTDICC010	BF140530.D	21 Nov 2024 12:05	RC/JU	Ok,M
6	SSTDICC020	BF140531.D	21 Nov 2024 12:32	RC/JU	Ok,M
7	SSTDICCC040	BF140532.D	21 Nov 2024 12:58	RC/JU	Ok,M
8	SSTDICC050	BF140533.D	21 Nov 2024 13:25	RC/JU	Ok
9	SSTDICC060	BF140534.D	21 Nov 2024 13:51	RC/JU	Ok
10	SSTDICC080	BF140535.D	21 Nov 2024 14:18	RC/JU	Ok
11	SSTDICV040	BF140536.D	21 Nov 2024 15:07	RC/JU	Ok,M
12	PB165144BL	BF140537.D	21 Nov 2024 15:34	RC/JU	Ok
13	DFTPP	BF140538.D	21 Nov 2024 16:27	RC/JU	Ok
14	SSTDCCC040	BF140539.D	21 Nov 2024 16:54	RC/JU	Ok,M
15	PB165060TB	BF140540.D	21 Nov 2024 17:20	RC/JU	Ok
16	P4887-06	BF140541.D	21 Nov 2024 17:55	RC/JU	Ok
17	P4887-02	BF140542.D	21 Nov 2024 18:21	RC/JU	Ok
18	P4870-16	BF140543.D	21 Nov 2024 18:48	RC/JU	Ok
19	P4870-15	BF140544.D	21 Nov 2024 19:14	RC/JU	Ok
20	P4870-14	BF140545.D	21 Nov 2024 19:40	RC/JU	Ok
21	P4870-13	BF140546.D	21 Nov 2024 20:07	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM				
SubDirectory	BF112124	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4929-02	BF140547.D	21 Nov 2024 20:33	RC/JU	Ok
23	P4924-04	BF140548.D	21 Nov 2024 20:59	RC/JU	Ok
24	P4921-01	BF140549.D	21 Nov 2024 21:25	RC/JU	Ok
25	P4916-12	BF140550.D	21 Nov 2024 21:51	RC/JU	Ok
26	P4916-08	BF140551.D	21 Nov 2024 22:18	RC/JU	Ok
27	P4916-04	BF140552.D	21 Nov 2024 22:44	RC/JU	Ok
28	P4887-01	BF140553.D	21 Nov 2024 23:10	RC/JU	Ok
29	P4916-09	BF140554.D	21 Nov 2024 23:36	RC/JU	Ok
30	P4916-09MS	BF140555.D	22 Nov 2024 00:02	RC/JU	Ok,M
31	P4916-09MSD	BF140556.D	22 Nov 2024 00:28	RC/JU	Ok,M
32	P4916-01	BF140557.D	22 Nov 2024 00:54	RC/JU	Ok
33	P4916-05RE	BF140558.D	22 Nov 2024 01:21	RC/JU	Confirms
34	P4887-05RE	BF140559.D	22 Nov 2024 01:47	RC/JU	Confirms
35	P4924-01	BF140560.D	22 Nov 2024 02:13	RC/JU	ReRun
36	P4936-01	BF140561.D	22 Nov 2024 02:39	RC/JU	Ok,M
37	P4929-01	BF140562.D	22 Nov 2024 03:06	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112224

Review By	Jagrut	Review On	11/25/2024 11:47:00 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:05 AM				
SubDirectory	BF112224	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140563.D	22 Nov 2024 08:54	RC/JU	Ok
2	SSTDCCC040	BF140564.D	22 Nov 2024 09:20	RC/JU	Ok
3	PB165129BL	BF140565.D	22 Nov 2024 09:46	RC/JU	Ok
4	PB165129BS	BF140566.D	22 Nov 2024 10:12	RC/JU	Ok,M
5	P4910-08	BF140567.D	22 Nov 2024 10:44	RC/JU	Ok
6	P4910-04	BF140568.D	22 Nov 2024 11:10	RC/JU	Ok
7	P4893-08	BF140569.D	22 Nov 2024 11:36	RC/JU	Ok
8	P4893-04	BF140570.D	22 Nov 2024 12:02	RC/JU	Ok
9	P4925-08	BF140571.D	22 Nov 2024 12:28	RC/JU	Ok
10	P4925-04	BF140572.D	22 Nov 2024 12:55	RC/JU	Ok
11	P4923-06	BF140573.D	22 Nov 2024 13:21	RC/JU	Ok
12	P4925-01	BF140574.D	22 Nov 2024 13:47	RC/JU	Ok
13	P4938-01	BF140575.D	22 Nov 2024 14:13	RC/JU	Ok
14	P4938-01MS	BF140576.D	22 Nov 2024 14:40	RC/JU	Ok,M
15	P4938-01MSD	BF140577.D	22 Nov 2024 15:06	RC/JU	Ok,M
16	P4860-08	BF140578.D	22 Nov 2024 15:32	RC/JU	Ok
17	P4860-05	BF140579.D	22 Nov 2024 15:58	RC/JU	Ok
18	P4924-01	BF140580.D	22 Nov 2024 16:24	RC/JU	Ok
19	P4948-01	BF140581.D	22 Nov 2024 16:50	RC/JU	Ok,M
20	P4949-03	BF140582.D	22 Nov 2024 17:16	RC/JU	Ok
21	P4948-03	BF140583.D	22 Nov 2024 17:43	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112224

Review By	Jagrut	Review On	11/25/2024 11:47:00 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:05 AM				
SubDirectory	BF112224	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4822-04	BF140584.D	22 Nov 2024 18:09	RC/JU	Ok
23	P4822-02	BF140585.D	22 Nov 2024 18:35	RC/JU	Ok,M
24	P4925-05	BF140586.D	22 Nov 2024 19:01	RC/JU	Ok
25	P4938-05	BF140587.D	22 Nov 2024 19:27	RC/JU	Ok
26	P4860-02	BF140588.D	22 Nov 2024 19:53	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM				
SubDirectory	BF112524	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140589.D	25 Nov 2024 09:07	RC/JU	Ok
2	SSTDCCC040	BF140590.D	25 Nov 2024 09:33	RC/JU	Ok,M
3	PB165123TB	BF140591.D	25 Nov 2024 09:59	RC/JU	Ok
4	PB165155BS	BF140592.D	25 Nov 2024 10:25	RC/JU	Ok,M
5	PB165155BL	BF140593.D	25 Nov 2024 10:51	RC/JU	Ok
6	PB165086BS	BF140594.D	25 Nov 2024 11:17	RC/JU	Ok,M
7	PB165111TB	BF140595.D	25 Nov 2024 11:43	RC/JU	Ok
8	PB165052BS	BF140596.D	25 Nov 2024 12:09	RC/JU	Ok,M
9	PB164986TB	BF140597.D	25 Nov 2024 12:36	RC/JU	Ok
10	PB165152BS	BF140598.D	25 Nov 2024 13:02	RC/JU	Ok,M
11	PB164886TB	BF140599.D	25 Nov 2024 13:27	RC/JU	Ok
12	PB165152BSD	BF140600.D	25 Nov 2024 13:54	RC/JU	Ok,M
13	PB165152BL	BF140601.D	25 Nov 2024 14:28	RC/JU	Ok
14	PB165185BS	BF140602.D	25 Nov 2024 14:54	RC/JU	Ok,M
15	DFTPP	BF140603.D	25 Nov 2024 15:23	RC/JU	Ok
16	SSTDCCC040	BF140604.D	25 Nov 2024 15:49	RC/JU	Ok,M
17	PB165052BL	BF140605.D	25 Nov 2024 16:17	RC/JU	Ok
18	P4947-01	BF140606.D	25 Nov 2024 16:49	RC/JU	Ok
19	P4892-04	BF140607.D	25 Nov 2024 17:15	RC/JU	Ok
20	P4860-09	BF140608.D	25 Nov 2024 17:41	RC/JU	Ok
21	P4860-01	BF140609.D	25 Nov 2024 18:07	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM		
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4960-01	BF140610.D	25 Nov 2024 18:34	RC/JU	Ok
23	P4960-05	BF140611.D	25 Nov 2024 19:00	RC/JU	Ok
24	P4892-03	BF140612.D	25 Nov 2024 19:26	RC/JU	Ok
25	P4892-03MS	BF140613.D	25 Nov 2024 19:52	RC/JU	Ok,M
26	P4892-03MSD	BF140614.D	25 Nov 2024 20:18	RC/JU	Ok,M
27	P4860-06	BF140615.D	25 Nov 2024 20:45	RC/JU	Ok
28	P4860-09MS	BF140616.D	25 Nov 2024 21:11	RC/JU	Not Ok
29	P4860-09MSD	BF140617.D	25 Nov 2024 21:37	RC/JU	Not Ok
30	P4960-03	BF140618.D	25 Nov 2024 22:03	RC/JU	ReRun
31	P4860-10	BF140619.D	25 Nov 2024 22:29	RC/JU	ReRun
32	P4860-04	BF140620.D	25 Nov 2024 22:55	RC/JU	Ok
33	P4860-07	BF140621.D	25 Nov 2024 23:22	RC/JU	Ok
34	P4860-03	BF140622.D	25 Nov 2024 23:48	RC/JU	Ok
35	P4951-01	BF140623.D	26 Nov 2024 00:14	RC/JU	ReRun
36	P4954-01	BF140624.D	26 Nov 2024 00:40	RC/JU	Ok,M
37	P4954-01MS	BF140625.D	26 Nov 2024 01:06	RC/JU	Ok,M
38	P4954-01MSD	BF140626.D	26 Nov 2024 01:32	RC/JU	Ok,M
39	P4954-03	BF140627.D	26 Nov 2024 01:58	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112624

Review By	yogesh	Review On	11/27/2024 5:33:18 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:05:09 AM				
SubDirectory	BF112624	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140628.D	26 Nov 2024 09:09	RC/JU	Ok
2	SSTDCCC040	BF140629.D	26 Nov 2024 09:35	RC/JU	Ok,M
3	PB165203BL	BF140630.D	26 Nov 2024 10:01	RC/JU	Ok
4	PB165203BS	BF140631.D	26 Nov 2024 10:27	RC/JU	Ok,M
5	PB165185BL	BF140632.D	26 Nov 2024 10:53	RC/JU	Ok
6	PB165203BSD	BF140633.D	26 Nov 2024 11:20	RC/JU	Ok,M
7	P4960-04	BF140634.D	26 Nov 2024 11:52	RC/JU	Ok
8	P4960-06	BF140635.D	26 Nov 2024 12:18	RC/JU	Ok
9	P4960-02	BF140636.D	26 Nov 2024 12:44	RC/JU	Ok
10	P5000-01	BF140637.D	26 Nov 2024 13:10	RC/JU	Ok
11	P4960-03	BF140638.D	26 Nov 2024 13:36	RC/JU	Ok
12	P4860-09MS	BF140639.D	26 Nov 2024 14:03	RC/JU	Ok,M
13	P4860-09MSD	BF140640.D	26 Nov 2024 14:29	RC/JU	Ok,M
14	P4860-10	BF140641.D	26 Nov 2024 14:55	RC/JU	Ok
15	P4951-01RE	BF140642.D	26 Nov 2024 15:22	RC/JU	Confirms
16	P4985-01	BF140643.D	26 Nov 2024 15:48	RC/JU	Ok
17	P4985-01MS	BF140644.D	26 Nov 2024 16:14	RC/JU	Ok,M
18	P4985-01MSD	BF140645.D	26 Nov 2024 16:41	RC/JU	Ok,M
19	P4938-04	BF140646.D	26 Nov 2024 17:07	RC/JU	ReRun
20	P4938-04MS	BF140647.D	26 Nov 2024 17:33	RC/JU	Not Ok
21	P4938-04MSD	BF140648.D	26 Nov 2024 18:00	RC/JU	Not Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112624

Review By	yogesh	Review On	11/27/2024 5:33:18 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:05:09 AM				
SubDirectory	BF112624	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4985-04	BF140649.D	26 Nov 2024 18:26	RC/JU	ReRun
23	P4938-08	BF140650.D	26 Nov 2024 18:52	RC/JU	ReRun
24	P4985-05	BF140651.D	26 Nov 2024 19:19	RC/JU	ReRun
25	P5000-05	BF140652.D	26 Nov 2024 19:45	RC/JU	ReRun
26	P4971-01	BF140653.D	26 Nov 2024 20:11	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM		
SubDirectory	BF111324	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140331.D	13 Nov 2024 08:35		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140332.D	13 Nov 2024 09:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140333.D	13 Nov 2024 09:27	Compound#41,54,77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF140334.D	13 Nov 2024 09:53		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF140335.D	13 Nov 2024 10:29		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140336.D	13 Nov 2024 10:55	Injection Error	RC/JU	Not Ok
7	SSTDICC050	SSTDICC050	BF140337.D	13 Nov 2024 11:21		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF140338.D	13 Nov 2024 11:47		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF140339.D	13 Nov 2024 12:13	Compound#09 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICCC040	SSTDICCC040	BF140340.D	13 Nov 2024 12:48		RC/JU	Ok
11	SSTDICV040	ICVBF111324	BF140341.D	13 Nov 2024 13:19		RC/JU	Ok
12	PB164401BL	PB164401BL	BF140342.D	13 Nov 2024 13:45		RC/JU	Ok
13	P4495-11	PT-BNA-SOIL	BF140343.D	13 Nov 2024 15:25	PT Sample, Need 5X Dilution	RC/JU	Dilution
14	P4495-11DL	PT-BNA-SOILDL	BF140344.D	13 Nov 2024 16:02		RC/JU	Ok
15	P3845-03	PT-BN-WP	BF140345.D	13 Nov 2024 16:40	PT Sample Analyzed for confirmation - Need 5X Dilution.	RC/JU	Dilution
16	P3845-03DL	PT-BN-WPDL	BF140346.D	13 Nov 2024 17:06		RC/JU	Ok
17	P3845-06	PT-ACIDS-WP	BF140347.D	13 Nov 2024 17:32	PT Sample Analyzed for confirmation - Need 5X Dilution.	RC/JU	Dilution

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM		
SubDirectory	BF111324	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P3845-06DL	PT-ACIDS-WPDL	BF140348.D	13 Nov 2024 17:58	Dilution not matching (Low results)	RC/JU	Not Ok
19	SP6681	SP6681	BF140349.D	13 Nov 2024 18:39	8270-625.1 SPIKE SOLUTION	RC/JU	Ok,NS

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111824

Review By	yogesh	Review On	11/19/2024 3:20:55 AM		
Supervise By	mohammad	Supervise On	11/19/2024 3:30:54 AM		
SubDirectory	BF111824	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140442.D	18 Nov 2024 09:18		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140443.D	18 Nov 2024 10:13		RC/JU	Ok,M
3	PB165029BL	PB165029BL	BF140444.D	18 Nov 2024 10:39		RC/JU	Ok
4	PB165029BS	PB165029BS	BF140445.D	18 Nov 2024 11:05		RC/JU	Ok,M
5	PB164846BS	PB164846BS	BF140446.D	18 Nov 2024 11:32		RC/JU	Ok,M
6	PB164846BSD	PB164846BSD	BF140447.D	18 Nov 2024 11:58		RC/JU	Ok,M
7	PB164940BL	PB164940BL	BF140448.D	18 Nov 2024 12:24		RC/JU	Ok
8	PB164940BS	PB164940BS	BF140449.D	18 Nov 2024 12:50		RC/JU	Ok,M
9	PB164965BL	PB164965BL	BF140450.D	18 Nov 2024 13:16		RC/JU	Ok
10	PB164965BS	PB164965BS	BF140451.D	18 Nov 2024 13:43		RC/JU	Ok,M
11	PB164969BS	PB164969BS	BF140452.D	18 Nov 2024 14:19		RC/JU	Ok,M
12	PB164969BL	PB164969BL	BF140453.D	18 Nov 2024 14:45		RC/JU	Ok
13	PB164880TB	PB164880TB	BF140454.D	18 Nov 2024 15:11		RC/JU	Ok
14	DFTPP	DFTPP	BF140455.D	18 Nov 2024 15:48		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF140456.D	18 Nov 2024 16:14		RC/JU	Ok,M
16	PB164944TB	PB164944TB	BF140457.D	18 Nov 2024 16:40		RC/JU	Ok
17	P4821-04RE	BP-F-24RE	BF140458.D	18 Nov 2024 17:13	Surrogate Fail	RC/JU	Confirms
18	P4861-01	WC-11-A-202411	BF140459.D	18 Nov 2024 17:40		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111824

Review By	yogesh	Review On	11/19/2024 3:20:55 AM		
Supervise By	mohammad	Supervise On	11/19/2024 3:30:54 AM		
SubDirectory	BF111824	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4871-01	WC-10-A-202411	BF140460.D	18 Nov 2024 18:06		RC/JU	Ok
20	P4848-02	TP-1	BF140461.D	18 Nov 2024 18:32		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM		
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140526.D	21 Nov 2024 10:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140527.D	21 Nov 2024 10:44	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF140528.D	21 Nov 2024 11:13		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF140529.D	21 Nov 2024 11:39	Compound#9,32,41,54,56,65,70 removed from 5 ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF140530.D	21 Nov 2024 12:05		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF140531.D	21 Nov 2024 12:32	Compound#32,41,54 Kept on LR	RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BF140532.D	21 Nov 2024 12:58	Calibration failed for Benzidine	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BF140533.D	21 Nov 2024 13:25	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF140534.D	21 Nov 2024 13:51		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF140535.D	21 Nov 2024 14:18	Compound#9 removed from 80 ppm	RC/JU	Ok
11	SSTDICV040	ICVBF112124	BF140536.D	21 Nov 2024 15:07		RC/JU	Ok,M
12	PB165144BL	PB165144BL	BF140537.D	21 Nov 2024 15:34		RC/JU	Ok
13	DFTPP	DFTPP	BF140538.D	21 Nov 2024 16:27		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF140539.D	21 Nov 2024 16:54		RC/JU	Ok,M
15	PB165060TB	PB165060TB	BF140540.D	21 Nov 2024 17:20		RC/JU	Ok
16	P4887-06	MH-760	BF140541.D	21 Nov 2024 17:55		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM		
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4887-02	MH-739	BF140542.D	21 Nov 2024 18:21		RC/JU	Ok
18	P4870-16	TP-15	BF140543.D	21 Nov 2024 18:48		RC/JU	Ok
19	P4870-15	MH-736	BF140544.D	21 Nov 2024 19:14		RC/JU	Ok
20	P4870-14	MH-735	BF140545.D	21 Nov 2024 19:40		RC/JU	Ok
21	P4870-13	TP-1	BF140546.D	21 Nov 2024 20:07		RC/JU	Ok
22	P4929-02	ARS520	BF140547.D	21 Nov 2024 20:33		RC/JU	Ok
23	P4924-04	MH-4	BF140548.D	21 Nov 2024 20:59		RC/JU	Ok
24	P4921-01	WC-11-A-202411	BF140549.D	21 Nov 2024 21:25		RC/JU	Ok
25	P4916-12	TP-3-WC	BF140550.D	21 Nov 2024 21:51		RC/JU	Ok
26	P4916-08	TP-2-WC	BF140551.D	21 Nov 2024 22:18		RC/JU	Ok
27	P4916-04	TP-1-WC	BF140552.D	21 Nov 2024 22:44		RC/JU	Ok
28	P4887-01	MH-739	BF140553.D	21 Nov 2024 23:10		RC/JU	Ok
29	P4916-09	TP-3-WC	BF140554.D	21 Nov 2024 23:36		RC/JU	Ok
30	P4916-09MS	TP-3-WCMS	BF140555.D	22 Nov 2024 00:02		RC/JU	Ok,M
31	P4916-09MSD	TP-3-WCMSD	BF140556.D	22 Nov 2024 00:28		RC/JU	Ok,M
32	P4916-01	TP-1-WC	BF140557.D	22 Nov 2024 00:54		RC/JU	Ok
33	P4916-05RE	TP-2-WCRE	BF140558.D	22 Nov 2024 01:21	Internal Standard Fail	RC/JU	Confirms
34	P4887-05RE	MH-760RE	BF140559.D	22 Nov 2024 01:47	Internal Standard Fail	RC/JU	Confirms
35	P4924-01	MH-4	BF140560.D	22 Nov 2024 02:13	Internal Standard Fail	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM		
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	P4936-01	PL-01-11202024	BF140561.D	22 Nov 2024 02:39	Internal Standard Fail	RC/JU	Ok,M
37	P4929-01	ARS520	BF140562.D	22 Nov 2024 03:06	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112224

Review By	Jagrut	Review On	11/25/2024 11:47:00 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:05 AM		
SubDirectory	BF112224	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140563.D	22 Nov 2024 08:54		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140564.D	22 Nov 2024 09:20		RC/JU	Ok
3	PB165129BL	PB165129BL	BF140565.D	22 Nov 2024 09:46		RC/JU	Ok
4	PB165129BS	PB165129BS	BF140566.D	22 Nov 2024 10:12		RC/JU	Ok,M
5	P4910-08	MH-759	BF140567.D	22 Nov 2024 10:44		RC/JU	Ok
6	P4910-04	MH-COTTAGE	BF140568.D	22 Nov 2024 11:10		RC/JU	Ok
7	P4893-08	MH-762	BF140569.D	22 Nov 2024 11:36		RC/JU	Ok
8	P4893-04	MH-763	BF140570.D	22 Nov 2024 12:02		RC/JU	Ok
9	P4925-08	MH-741	BF140571.D	22 Nov 2024 12:28		RC/JU	Ok
10	P4925-04	MH-741	BF140572.D	22 Nov 2024 12:55		RC/JU	Ok
11	P4923-06	72-11991	BF140573.D	22 Nov 2024 13:21		RC/JU	Ok
12	P4925-01	MH-741	BF140574.D	22 Nov 2024 13:47		RC/JU	Ok
13	P4938-01	MH-732	BF140575.D	22 Nov 2024 14:13		RC/JU	Ok
14	P4938-01MS	MH-732MS	BF140576.D	22 Nov 2024 14:40		RC/JU	Ok,M
15	P4938-01MSD	MH-732MSD	BF140577.D	22 Nov 2024 15:06		RC/JU	Ok,M
16	P4860-08	PH2-BOT-007	BF140578.D	22 Nov 2024 15:32		RC/JU	Ok
17	P4860-05	PH2-BOT-004	BF140579.D	22 Nov 2024 15:58		RC/JU	Ok
18	P4924-01	MH-4	BF140580.D	22 Nov 2024 16:24		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112224

Review By	Jagrut	Review On	11/25/2024 11:47:00 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:05 AM		
SubDirectory	BF112224	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4948-01	337	BF140581.D	22 Nov 2024 16:50		RC/JU	Ok,M
20	P4949-03	CONTAINMENT-STON	BF140582.D	22 Nov 2024 17:16	Internal Standard Fail	RC/JU	Ok
21	P4948-03	72-11944	BF140583.D	22 Nov 2024 17:43	Internal Standard Fail	RC/JU	Ok,M
22	P4822-04	SOIL-2	BF140584.D	22 Nov 2024 18:09		RC/JU	Ok
23	P4822-02	SOIL-1	BF140585.D	22 Nov 2024 18:35		RC/JU	Ok,M
24	P4925-05	MH-758	BF140586.D	22 Nov 2024 19:01		RC/JU	Ok
25	P4938-05	MH-734	BF140587.D	22 Nov 2024 19:27		RC/JU	Ok
26	P4860-02	PH2-BOT-001	BF140588.D	22 Nov 2024 19:53		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM		
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140589.D	25 Nov 2024 09:07		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140590.D	25 Nov 2024 09:33		RC/JU	Ok,M
3	PB165123TB	PB165123TB	BF140591.D	25 Nov 2024 09:59		RC/JU	Ok
4	PB165155BS	PB165155BS	BF140592.D	25 Nov 2024 10:25		RC/JU	Ok,M
5	PB165155BL	PB165155BL	BF140593.D	25 Nov 2024 10:51		RC/JU	Ok
6	PB165086BS	PB165086BS	BF140594.D	25 Nov 2024 11:17		RC/JU	Ok,M
7	PB165111TB	PB165111TB	BF140595.D	25 Nov 2024 11:43		RC/JU	Ok
8	PB165052BS	PB165052BS	BF140596.D	25 Nov 2024 12:09		RC/JU	Ok,M
9	PB164986TB	PB164986TB	BF140597.D	25 Nov 2024 12:36		RC/JU	Ok
10	PB165152BS	PB165152BS	BF140598.D	25 Nov 2024 13:02		RC/JU	Ok,M
11	PB164886TB	PB164886TB	BF140599.D	25 Nov 2024 13:27		RC/JU	Ok
12	PB165152BSD	PB165152BSD	BF140600.D	25 Nov 2024 13:54		RC/JU	Ok,M
13	PB165152BL	PB165152BL	BF140601.D	25 Nov 2024 14:28		RC/JU	Ok
14	PB165185BS	PB165185BS	BF140602.D	25 Nov 2024 14:54		RC/JU	Ok,M
15	DFTPP	DFTPP	BF140603.D	25 Nov 2024 15:23		RC/JU	Ok
16	SSTDCCC040	SSTDCCC040	BF140604.D	25 Nov 2024 15:49		RC/JU	Ok,M
17	PB165052BL	PB165052BL	BF140605.D	25 Nov 2024 16:17		RC/JU	Ok
18	P4947-01	A3988	BF140606.D	25 Nov 2024 16:49		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM		
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4892-04	WB-310-SW	BF140607.D	25 Nov 2024 17:15		RC/JU	Ok
20	P4860-09	PH2-BOT-006	BF140608.D	25 Nov 2024 17:41		RC/JU	Ok
21	P4860-01	DUP-01	BF140609.D	25 Nov 2024 18:07		RC/JU	Ok
22	P4960-01	B1	BF140610.D	25 Nov 2024 18:34		RC/JU	Ok
23	P4960-05	SW3	BF140611.D	25 Nov 2024 19:00		RC/JU	Ok
24	P4892-03	WB-310-BOT	BF140612.D	25 Nov 2024 19:26		RC/JU	Ok
25	P4892-03MS	WB-310-BOTMS	BF140613.D	25 Nov 2024 19:52		RC/JU	Ok,M
26	P4892-03MSD	WB-310-BOTMSD	BF140614.D	25 Nov 2024 20:18		RC/JU	Ok,M
27	P4860-06	PH2-BOT-009	BF140615.D	25 Nov 2024 20:45		RC/JU	Ok
28	P4860-09MS	PH2-BOT-006MS	BF140616.D	25 Nov 2024 21:11	MSD Not Ok	RC/JU	Not Ok
29	P4860-09MSD	PH2-BOT-006MSD	BF140617.D	25 Nov 2024 21:37	Internal Standard Fail	RC/JU	Not Ok
30	P4960-03	SW1	BF140618.D	25 Nov 2024 22:03	Internal Standard Fail	RC/JU	ReRun
31	P4860-10	PH2-BOT-005	BF140619.D	25 Nov 2024 22:29	Internal Standard Fail	RC/JU	ReRun
32	P4860-04	PH2-BOT-003	BF140620.D	25 Nov 2024 22:55		RC/JU	Ok
33	P4860-07	PH2-BOT-008	BF140621.D	25 Nov 2024 23:22		RC/JU	Ok
34	P4860-03	PH2-BOT-002	BF140622.D	25 Nov 2024 23:48		RC/JU	Ok
35	P4951-01	AU-05-112124	BF140623.D	26 Nov 2024 00:14	Internal Standard Fail	RC/JU	ReRun
36	P4954-01	TR-05-112124	BF140624.D	26 Nov 2024 00:40	Internal Standard Fail	RC/JU	Ok,M
37	P4954-01MS	TR-05-112124MS	BF140625.D	26 Nov 2024 01:06	Internal Standard Fail	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM		
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4954-01MSD	TR-05-112124MSD	BF140626.D	26 Nov 2024 01:32	Internal Standard Fail	RC/JU	Ok,M
39	P4954-03	TR-06-112124	BF140627.D	26 Nov 2024 01:58	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112624

Review By	yogesh	Review On	11/27/2024 5:33:18 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:05:09 AM		
SubDirectory	BF112624	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140628.D	26 Nov 2024 09:09		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140629.D	26 Nov 2024 09:35		RC/JU	Ok,M
3	PB165203BL	PB165203BL	BF140630.D	26 Nov 2024 10:01		RC/JU	Ok
4	PB165203BS	PB165203BS	BF140631.D	26 Nov 2024 10:27		RC/JU	Ok,M
5	PB165185BL	PB165185BL	BF140632.D	26 Nov 2024 10:53		RC/JU	Ok
6	PB165203BSD	PB165203BSD	BF140633.D	26 Nov 2024 11:20		RC/JU	Ok,M
7	P4960-04	SW2	BF140634.D	26 Nov 2024 11:52		RC/JU	Ok
8	P4960-06	SW4	BF140635.D	26 Nov 2024 12:18		RC/JU	Ok
9	P4960-02	B2	BF140636.D	26 Nov 2024 12:44		RC/JU	Ok
10	P5000-01	MH-745	BF140637.D	26 Nov 2024 13:10		RC/JU	Ok
11	P4960-03	SW1	BF140638.D	26 Nov 2024 13:36		RC/JU	Ok
12	P4860-09MS	PH2-BOT-006MS	BF140639.D	26 Nov 2024 14:03		RC/JU	Ok,M
13	P4860-09MSD	PH2-BOT-006MSD	BF140640.D	26 Nov 2024 14:29		RC/JU	Ok,M
14	P4860-10	PH2-BOT-005	BF140641.D	26 Nov 2024 14:55		RC/JU	Ok
15	P4951-01RE	AU-05-112124RE	BF140642.D	26 Nov 2024 15:22	Internal Standard Fail	RC/JU	Confirms
16	P4985-01	MH-756-WC	BF140643.D	26 Nov 2024 15:48	Internal Standard Fail	RC/JU	Ok
17	P4985-01MS	MH-756-WCMS	BF140644.D	26 Nov 2024 16:14	Internal Standard Fail	RC/JU	Ok,M
18	P4985-01MSD	MH-756-WCMSD	BF140645.D	26 Nov 2024 16:41	Internal standard fail	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112624

Review By	yogesh	Review On	11/27/2024 5:33:18 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:05:09 AM		
SubDirectory	BF112624	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4938-04	MH-732	BF140646.D	26 Nov 2024 17:07	Internal Standard Fail	RC/JU	ReRun
20	P4938-04MS	MH-732MS	BF140647.D	26 Nov 2024 17:33	Internal Standard Fail	RC/JU	Not Ok
21	P4938-04MSD	MH-732MSD	BF140648.D	26 Nov 2024 18:00	MS is Not Ok	RC/JU	Not Ok
22	P4985-04	MH-756-WC	BF140649.D	26 Nov 2024 18:26	Internal Standard Fail	RC/JU	ReRun
23	P4938-08	MH-734	BF140650.D	26 Nov 2024 18:52	Internal Standard Fail	RC/JU	ReRun
24	P4985-05	MH-740-WC	BF140651.D	26 Nov 2024 19:19	Internal Standard Fail	RC/JU	ReRun
25	P5000-05	MH-733	BF140652.D	26 Nov 2024 19:45	Internal Standard Fail	RC/JU	ReRun
26	P4971-01	CL-02-112224	BF140653.D	26 Nov 2024 20:11		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB165029

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 11/16/2024

Extraction Start Time : 08:51

Extraction End Date : 11/16/2024

Extraction End Time : 11:50

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	50/100 PPM	SP6630
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	EP2562
Sand	N/A	E2865
Methylene Chloride	N/A	E3828
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/16/24	RP (Ext Lab)	JG/SVOC
11:55	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165029

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/16/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165029BL	SBLK029	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U5-1
PB165029BS	SLCS029	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
P4860-01	DUP-01	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		3
P4860-02	PH2-BPT-001	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		4
P4860-03	PH2-BPT-002	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		5
P4860-04	PH2-BPT-003	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		6
P4860-05	PH2-BPT-004	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		U6-1
P4860-06	PH2-BPT-009	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		2
P4860-07	PH2-BPT-008	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
P4860-08	PH2-BPT-007	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		4
P4860-09	PH2-BPT-006	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		5
P4860-09MS	PH2-BPT-006MS	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		6
P4860-09MSD	PH2-BPT-006MSD	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U1-1
P4860-10	PH2-BPT-005	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		2
P4869-01	EO-02-11152024	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		3
P4887-01	MH-739	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	D		4
P4887-05	MH-760	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	D		5
P4889-01	VNJ-228	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		6
P4889-03	#72-11978	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		U1-1
P4889-05	#72-11930	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		2

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

11/16/24

16502 15:20BN

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4829BN **WorkList ID :** 185494 **Department :** Extraction **Date :** 11-15-2024 14:36:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4829-02	E29S4	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOC
P4829-02	E29S4	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOAS
P4829-03	E29S4MS	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOC
P4829-03	E29S4MS	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOAS
P4829-04	E29S4MSD	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOC
P4829-04	E29S4MSD	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOAS
P4829-06	E29T4	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/11/2024	SFAM_SVOC
P4829-06	E29T4	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/11/2024	SFAM_SVOAS
P4829-08	E29W0	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/11/2024	SFAM_SVOC
P4829-08	E29W0	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/11/2024	SFAM_SVOAS
P4829-09	E29W1	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOC
P4829-09	E29W1	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOAS
P4829-10	E29W4	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/11/2024	SFAM_SVOC
P4829-10	E29W4	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/11/2024	SFAM_SVOAS
P4829-11	E29W5	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOC
P4829-11	E29W5	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOAS

Date/Time 11/15/24 15:15
Raw Sample Received by: RS (EXL-lab)
Raw Sample Relinquished by: LC (SOM)

Date/Time 11/15/24 15:50
Raw Sample Received by: LC (SOM)
Raw Sample Relinquished by: RS (EXL-lab)

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LAB CHRONICLE

OrderID:	P4860	**OrderDate:**	11/14/2024 1:36:41 PM
Client:	Tetra Tech	**Project:**	Ocean County Landfill 2024
Contact:	John Giuliano	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4860-01	**DUP-01**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/25/24	
P4860-02	**PH2-BOT-001**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/22/24	
P4860-03	**PH2-BOT-002**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/25/24	
P4860-04	**PH2-BOT-003**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/25/24	
P4860-05	**PH2-BOT-004**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/22/24	
P4860-06	**PH2-BOT-009**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/25/24	
P4860-07	**PH2-BOT-008**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/25/24	
P4860-08	**PH2-BOT-007**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/22/24	
P4860-09	**PH2-BOT-006**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/25/24	
P4860-10	**PH2-BOT-005**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/26/24	

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Hit Summary Sheet
SW-846

SDG No.: P4860 **Order ID:** P4860

Client: Tetra Tech **Project ID:** Ocean County Landfill 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : DUP-01								
P4860-01	DUP-01	SOIL	4,4-DDE	0.31	JP	0.13	1.80	ug/kg
P4860-01	DUP-01	SOIL	4,4-DDD	0.26	JP	0.20	1.80	ug/kg
P4860-01	DUP-01	SOIL	alpha-Chlordane	0.29	J	0.18	1.80	ug/kg
P4860-01	DUP-01	SOIL	gamma-Chlordane	0.37	JP	0.20	1.80	ug/kg
			Total Concentration:	**1.230**				
Client ID : PH2-BOT-001								
P4860-02	PH2-BOT-001	SOIL	Dieldrin	0.34	J	0.15	1.80	ug/kg
P4860-02	PH2-BOT-001	SOIL	4,4-DDE	0.62	J	0.13	1.80	ug/kg
P4860-02	PH2-BOT-001	SOIL	4,4-DDD	1.30	JP	0.20	1.80	ug/kg
P4860-02	PH2-BOT-001	SOIL	4,4-DDT	2.10	P	0.18	1.80	ug/kg
P4860-02	PH2-BOT-001	SOIL	alpha-Chlordane	2.60	P	0.18	1.80	ug/kg
P4860-02	PH2-BOT-001	SOIL	gamma-Chlordane	6.50	P	0.20	1.80	ug/kg
			Total Concentration:	**13.460**				
Client ID : PH2-BOT-002								
P4860-03	PH2-BOT-002	SOIL	4,4-DDE	1.00	JP	0.13	1.80	ug/kg
P4860-03	PH2-BOT-002	SOIL	4,4-DDD	1.20	J	0.20	1.80	ug/kg
P4860-03	PH2-BOT-002	SOIL	4,4-DDT	2.40	P	0.18	1.80	ug/kg
			Total Concentration:	**4.600**				
Client ID : PH2-BOT-003								
P4860-04	PH2-BOT-003	SOIL	4,4-DDD	0.53	JP	0.19	1.70	ug/kg
P4860-04	PH2-BOT-003	SOIL	4,4-DDT	0.34	J	0.17	1.70	ug/kg
P4860-04	PH2-BOT-003	SOIL	alpha-Chlordane	1.50	J	0.17	1.70	ug/kg
P4860-04	PH2-BOT-003	SOIL	gamma-Chlordane	1.20	JP	0.19	1.70	ug/kg
			Total Concentration:	**3.570**				
Client ID : PH2-BOT-004								
P4860-05	PH2-BOT-004	SOIL	4,4-DDE	0.17	J	0.13	1.70	ug/kg
P4860-05	PH2-BOT-004	SOIL	4,4-DDD	0.97	J	0.19	1.70	ug/kg
P4860-05	PH2-BOT-004	SOIL	4,4-DDT	2.20		0.17	1.70	ug/kg
P4860-05	PH2-BOT-004	SOIL	alpha-Chlordane	0.65	JP	0.17	1.70	ug/kg
P4860-05	PH2-BOT-004	SOIL	gamma-Chlordane	0.42	J	0.19	1.70	ug/kg
			Total Concentration:	**4.410**				
Client ID : PH2-BOT-008								
P4860-07	PH2-BOT-008	SOIL	4,4-DDD	2.10	P	0.20	1.80	ug/kg
P4860-07	PH2-BOT-008	SOIL	4,4-DDT	0.87	JP	0.18	1.80	ug/kg

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Hit Summary Sheet
SW-846

SDG No.: P4860 **Order ID:** P4860

Client: Tetra Tech **Project ID:** Ocean County Landfill 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4860-07	PH2-BOT-008	SOIL	alpha-Chlordane	1.40	JP	0.18	1.80	ug/kg
P4860-07	PH2-BOT-008	SOIL	gamma-Chlordane	1.30	JP	0.20	1.80	ug/kg
			Total Concentration:	**5.670**				
Client ID :	**PH2-BOT-007**							
P4860-08	PH2-BOT-007	SOIL	4,4-DDE	0.48	J	0.13	1.70	ug/kg
P4860-08	PH2-BOT-007	SOIL	4,4-DDD	1.00	J	0.19	1.70	ug/kg
P4860-08	PH2-BOT-007	SOIL	4,4-DDT	1.70	P	0.17	1.70	ug/kg
			Total Concentration:	**3.180**				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.8 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093141.D	1	11/18/24 08:20	11/19/24 14:18	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.51	U	0.51	1.80	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.31	JP	0.13	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	0.26	JP	0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.80	ug/kg
50-29-3	4,4-DDT	0.18	U	0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.29	J	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.37	JP	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	34.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.5		30 (10) - 150 (148)	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (10) - 150 (159)	103%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.8 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093141.D	1	11/18/24 08:20	11/19/24 14:18	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093142.D	1	11/18/24 08:20	11/19/24 14:31	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.51	U	0.51	1.80	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.34	J	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.62	J	0.13	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	1.30	JP	0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.80	ug/kg
50-29-3	4,4-DDT	2.10	P	0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	2.60	P	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	6.50	P	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	34.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.5		30 (10) - 150 (148)	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		30 (10) - 150 (159)	99%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093142.D	1	11/18/24 08:20	11/19/24 14:31	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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E = Value Exceeds Calibration Range
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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.6 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093107.D	1	11/18/24 08:20	11/18/24 12:26	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.51	U	0.51	1.80	ug/kg
319-86-8	delta-BHC	0.49	U	0.49	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	1.00	JP	0.13	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	1.20	J	0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.80	ug/kg
50-29-3	4,4-DDT	2.40	P	0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.18	U	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.20	U	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	34.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		30 (10) - 150 (148)	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.7		30 (10) - 150 (159)	124%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.6 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093107.D	1	11/18/24 08:20	11/18/24 12:26	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	97.8 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093108.D	1	11/18/24 08:20	11/18/24 12:39	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.50	U	0.50	1.70	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.70	ug/kg
72-54-8	4,4-DDD	0.53	JP	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.34	J	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.70	ug/kg
5103-71-9	alpha-Chlordane	1.50	J	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	1.20	JP	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.30	U	5.30	33.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.8		30 (10) - 150 (148)	119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		30 (10) - 150 (159)	122%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	97.8 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093108.D	1	11/18/24 08:20	11/18/24 12:39	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	98.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093109.D	1	11/18/24 08:20	11/18/24 12:52	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.50	U	0.50	1.70	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.17	J	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.70	ug/kg
72-54-8	4,4-DDD	0.97	J	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	2.20		0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.65	JP	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.42	J	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.30	U	5.30	33.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.8		30 (10) - 150 (148)	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.4		30 (10) - 150 (159)	117%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	98.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093109.D	1	11/18/24 08:20	11/18/24 12:52	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	98.3 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093113.D	1	11/18/24 08:20	11/18/24 13:45	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.50	U	0.50	1.70	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.30	U	5.30	33.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.9		30 (10) - 150 (148)	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		30 (10) - 150 (159)	116%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	98.3 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093113.D	1	11/18/24 08:20	11/18/24 13:45	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093145.D	1	11/18/24 08:20	11/19/24 15:11	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.19	U	0.19	1.80	ug/kg
319-85-7	beta-BHC	0.51	U	0.51	1.80	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.20	U	0.20	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	2.10	P	0.20	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.80	ug/kg
50-29-3	4,4-DDT	0.87	JP	0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	1.40	JP	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	1.30	JP	0.20	1.80	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	34.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.4		30 (10) - 150 (148)	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		30 (10) - 150 (159)	104%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	96.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093145.D	1	11/18/24 08:20	11/19/24 15:11	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	98 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093146.D	1	11/18/24 08:20	11/19/24 15:24	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.50	U	0.50	1.70	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.48	J	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.70	ug/kg
72-54-8	4,4-DDD	1.00	J	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	1.70	P	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.30	U	5.30	33.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.3		30 (10) - 150 (148)	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		30 (10) - 150 (159)	85%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	98 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093146.D	1	11/18/24 08:20	11/19/24 15:24	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	97.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093143.D	1	11/18/24 08:20	11/19/24 14:44	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.50	U	0.50	1.70	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.70	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.30	U	5.30	33.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.5		30 (10) - 150 (148)	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		30 (10) - 150 (159)	100%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	97.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093143.D	1	11/18/24 08:20	11/19/24 14:44	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	97.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093144.D	1	11/18/24 08:20	11/19/24 14:57	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.50	U	0.50	1.70	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.31	U	0.31	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.39	U	0.39	1.70	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.40	U	0.40	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.30	U	5.30	33.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.7		30 (10) - 150 (148)	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		30 (10) - 150 (159)	99%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	97.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093144.D	1	11/18/24 08:20	11/19/24 14:57	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.6	108		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.7	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.4	102		30 (77)	150 (126)
I.BLK-PL093098.D	PIBLK-PL093098.D	Decachlorobiphenyl	1	20	20.8	104		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.7	109		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.9	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	22.0	110		30 (77)	150 (126)
P4860-03	PH2-BOT-002	Decachlorobiphenyl	1	20	20.2	101		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	24.7	124		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	18.4	92		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	21.9	109		30 (10)	150 (159)
P4860-04	PH2-BOT-003	Decachlorobiphenyl	1	20	23.8	119		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	24.5	122		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	19.9	100		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	22.3	112		30 (10)	150 (159)
P4860-05	PH2-BOT-004	Decachlorobiphenyl	1	20	21.8	109		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	23.4	117		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	20.8	104		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	22.3	111		30 (10)	150 (159)
I.BLK-PL093110.D	PIBLK-PL093110.D	Decachlorobiphenyl	1	20	20.4	102		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.6	103		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.7	104		30 (77)	150 (126)
P4860-06	PH2-BOT-009	Decachlorobiphenyl	1	20	21.8	109		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	23.2	116		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	21.9	110		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	22.6	113		30 (10)	150 (159)
I.BLK-PL093133.D	PIBLK-PL093133.D	Decachlorobiphenyl	1	20	19.4	97		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.1	101		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.3	102		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.5	102		30 (77)	150 (126)
I.BLK-PL093136.D	PIBLK-PL093136.D	Decachlorobiphenyl	1	20	15.6	78		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.6	93		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	17.6	88		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.9	90		30 (77)	150 (126)
PB165046BS	PB165046BS	Decachlorobiphenyl	1	20	14.3	71		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	20.1	101		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	16.4	82		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	18.2	91		30 (10)	150 (159)
PB165046BL	PB165046BL	Decachlorobiphenyl	1	20	16.7	83		30 (10)	150 (148)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
PB165046BL	PB165046BL	Tetrachloro-m-xylene	1	20	19.4	97		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	18.9	95		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	18.1	91		30 (10)	150 (159)
P4860-01	DUP-01	Decachlorobiphenyl	1	20	17.2	86		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	20.3	101		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	19.5	97		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	20.6	103		30 (10)	150 (159)
P4860-02	PH2-BOT-001	Decachlorobiphenyl	1	20	18.3	91		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	19.9	99		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	19.5	98		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	19.3	96		30 (10)	150 (159)
P4860-09	PH2-BOT-006	Decachlorobiphenyl	1	20	17.3	86		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	19.7	99		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	18.5	93		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	20.1	100		30 (10)	150 (159)
P4860-10	PH2-BOT-005	Decachlorobiphenyl	1	20	16.5	83		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	19.8	99		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	18.7	94		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	19.7	98		30 (10)	150 (159)
P4860-07	PH2-BOT-008	Decachlorobiphenyl	1	20	17.8	89		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	20.3	102		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	19.4	97		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	20.7	104		30 (10)	150 (159)
P4860-08	PH2-BOT-007	Decachlorobiphenyl	1	20	16.2	81		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	16.4	82		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	17.3	87		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	16.9	85		30 (10)	150 (159)
P4860-08MS	PH2-BOT-007MS	Decachlorobiphenyl	1	20	14.6	73		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	15.2	76		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	15.9	80		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	14.6	73		30 (10)	150 (159)
P4860-08MSD	PH2-BOT-007MSD	Decachlorobiphenyl	1	20	14.5	73		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	15.1	75		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	15.7	79		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	14.2	71		30 (10)	150 (159)
I.BLK-PL093152.D	PIBLK-PL093152.D	Decachlorobiphenyl	1	20	17.5	87		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.7	98		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.0	100		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.0	95		30 (77)	150 (126)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8081B **DataFile :** PL093147.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**PH2-BOT-007MS**											
P4860-08MS	alpha-BHC	17	0	16.1	ug/kg	95				30 (60)	150 (144)	
	beta-BHC	17	0	16.9	ug/kg	99				30 (54)	150 (143)	
	delta-BHC	17	0	13.5	ug/kg	79				30 (47)	150 (144)	
	gamma-BHC (Lindane)	17	0	15.9	ug/kg	94				30 (61)	150 (140)	
	Heptachlor	17	0	17.0	ug/kg	100				30 (63)	150 (135)	
	Aldrin	17	0	16.5	ug/kg	97				30 (49)	150 (139)	
	Heptachlor epoxide	17	0	16.5	ug/kg	97				30 (32)	150 (180)	
	Endosulfan I	17	0	16.0	ug/kg	94				30 (56)	150 (142)	
	Dieldrin	17	0	17.1	ug/kg	101				30 (47)	150 (161)	
	4,4'-DDE	17	0.48	17.9	ug/kg	102				30 (55)	150 (136)	
	Endrin	17	0	17.8	ug/kg	105				30 (57)	150 (139)	
	Endosulfan II	17	0	16.9	ug/kg	99				30 (40)	150 (163)	
	4,4'-DDD	17	1.00	17.7	ug/kg	98				30 (37)	150 (192)	
	Endosulfan sulfate	17	0	15.9	ug/kg	94				30 (62)	150 (139)	
	4,4'-DDT	17	1.70	17.4	ug/kg	92				30 (51)	150 (146)	
	Methoxychlor	17	0	16.8	ug/kg	99				30 (54)	150 (136)	
	Endrin ketone	17	0	16.1	ug/kg	95				30 (60)	150 (129)	
	Endrin aldehyde	17	0	15.7	ug/kg	92				30 (59)	150 (132)	
	alpha-Chlordane	17	0	17.4	ug/kg	102				30 (30)	150 (192)	
	gamma-Chlordane	17	0	17.2	ug/kg	101				30 (44)	150 (175)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8081B **DataFile :** PL093148.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:	**PH2-BOT-007MSD**											
P4860-08MSD	alpha-BHC	16.98	0	15.9	ug/kg	94		1		30 (60)	150 (144)	30 (20)
	beta-BHC	16.98	0	16.6	ug/kg	98		1		30 (54)	150 (143)	30 (20)
	delta-BHC	16.98	0	13.3	ug/kg	78		1		30 (47)	150 (144)	30 (20)
	gamma-BHC (Lindane)	16.98	0	15.6	ug/kg	92		2		30 (61)	150 (140)	30 (20)
	Heptachlor	16.98	0	16.7	ug/kg	98		2		30 (63)	150 (135)	30 (20)
	Aldrin	16.98	0	16.2	ug/kg	95		2		30 (49)	150 (139)	30 (20)
	Heptachlor epoxide	16.98	0	16.3	ug/kg	96		1		30 (32)	150 (180)	30 (20)
	Endosulfan I	16.98	0	15.1	ug/kg	89		5		30 (56)	150 (142)	30 (20)
	Dieldrin	16.98	0	17.0	ug/kg	100		1		30 (47)	150 (161)	30 (20)
	4,4'-DDE	16.98	0.48	17.8	ug/kg	102		0		30 (55)	150 (136)	30 (20)
	Endrin	16.98	0	18.3	ug/kg	108		3		30 (57)	150 (139)	30 (20)
	Endosulfan II	16.98	0	16.8	ug/kg	99		0		30 (40)	150 (163)	30 (20)
	4,4'-DDD	16.98	1.00	18.0	ug/kg	100		2		30 (37)	150 (192)	30 (20)
	Endosulfan sulfate	16.98	0	16.0	ug/kg	94		0		30 (62)	150 (139)	30 (20)
	4,4'-DDT	16.98	1.70	17.6	ug/kg	94		2		30 (51)	150 (146)	30 (20)
	Methoxychlor	16.98	0	16.6	ug/kg	98		1		30 (54)	150 (136)	30 (20)
	Endrin ketone	16.98	0	16.0	ug/kg	94		1		30 (60)	150 (129)	30 (20)
	Endrin aldehyde	16.98	0	15.5	ug/kg	91		1		30 (59)	150 (132)	30 (20)
	alpha-Chlordane	16.98	0	17.0	ug/kg	100		2		30 (30)	150 (192)	30 (20)
	gamma-Chlordane	16.98	0	16.9	ug/kg	100		1		30 (44)	150 (175)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8081B **Datafile :** PL093139.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB165046BS	alpha-BHC	16.65	17.0	ug/kg	102				40 (84)	140 (123)	
	beta-BHC	16.65	17.1	ug/kg	103				40 (82)	140 (123)	
	delta-BHC	16.65	14.4	ug/kg	86				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.65	16.7	ug/kg	100				40 (83)	140 (125)	
	Heptachlor	16.65	18.1	ug/kg	109				40 (83)	140 (122)	
	Aldrin	16.65	16.4	ug/kg	98				40 (82)	140 (124)	
	Heptachlor epoxide	16.65	17.0	ug/kg	102				40 (83)	140 (120)	
	Endosulfan I	16.65	17.7	ug/kg	106				40 (81)	140 (124)	
	Dieldrin	16.65	17.6	ug/kg	106				40 (85)	140 (121)	
	4,4'-DDE	16.65	18.1	ug/kg	109				40 (81)	140 (123)	
	Endrin	16.65	18.7	ug/kg	112				40 (76)	140 (130)	
	Endosulfan II	16.65	17.8	ug/kg	107				40 (80)	140 (125)	
	4,4'-DDD	16.65	18.1	ug/kg	109				40 (80)	140 (131)	
	Endosulfan sulfate	16.65	16.8	ug/kg	101				40 (81)	140 (122)	
	4,4'-DDT	16.65	17.6	ug/kg	106				40 (70)	140 (129)	
	Methoxychlor	16.65	17.4	ug/kg	105				40 (60)	140 (119)	
	Endrin ketone	16.65	17.1	ug/kg	103				40 (77)	140 (132)	
	Endrin aldehyde	16.65	16.8	ug/kg	101				40 (79)	140 (124)	
	alpha-Chlordane	16.65	17.7	ug/kg	106				40 (84)	140 (120)	
	gamma-Chlordane	16.65	17.8	ug/kg	107				40 (83)	140 (122)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165046BL

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab Sample ID: PB165046BL Lab File ID: PL093140.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 11/18/2024

Date Analyzed (1): 11/19/2024 Date Analyzed (2): 11/19/2024

Time Analyzed (1): 14:05 Time Analyzed (2): 14:05

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm) GC Column (2): ZB-MR1 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
PH2-BOT-002	P4860-03	PL093107.D	11/18/2024	11/18/2024
PH2-BOT-003	P4860-04	PL093108.D	11/18/2024	11/18/2024
PH2-BOT-004	P4860-05	PL093109.D	11/18/2024	11/18/2024
PH2-BOT-009	P4860-06	PL093113.D	11/18/2024	11/18/2024
PB165046BS	PB165046BS	PL093139.D	11/19/2024	11/19/2024
DUP-01	P4860-01	PL093141.D	11/19/2024	11/19/2024
PH2-BOT-001	P4860-02	PL093142.D	11/19/2024	11/19/2024
PH2-BOT-006	P4860-09	PL093143.D	11/19/2024	11/19/2024
PH2-BOT-005	P4860-10	PL093144.D	11/19/2024	11/19/2024
PH2-BOT-008	P4860-07	PL093145.D	11/19/2024	11/19/2024
PH2-BOT-007	P4860-08	PL093146.D	11/19/2024	11/19/2024
PH2-BOT-007MS	P4860-08MS	PL093147.D	11/19/2024	11/19/2024
PH2-BOT-007MSD	P4860-08MSD	PL093148.D	11/19/2024	11/19/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165046BL	SDG No.:	P4860
Lab Sample ID:	PB165046BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093140.D	1	11/18/24 08:20	11/19/24 14:05	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.9		30 (10) - 150 (148)	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.4		30 (10) - 150 (159)	97%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165046BL	SDG No.:	P4860
Lab Sample ID:	PB165046BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093140.D	1	11/18/24 08:20	11/19/24 14:05	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	10/28/24
Project:	Ocean County Landfill 2024	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		30 (43) - 150 (140)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		30 (77) - 150 (126)	108%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	10/28/24
Project:	Ocean County Landfill 2024	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/18/24
Project:	Ocean County Landfill 2024	Date Received:	11/18/24
Client Sample ID:	PIBLK-PL093098.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PL093098.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093098.D	1		11/18/24	pl111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.9		30 (43) - 150 (140)	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		30 (77) - 150 (126)	110%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/18/24
Project:	Ocean County Landfill 2024	Date Received:	11/18/24
Client Sample ID:	PIBLK-PL093098.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PL093098.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093098.D	1		11/18/24	pl111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/18/24
Project:	Ocean County Landfill 2024	Date Received:	11/18/24
Client Sample ID:	PIBLK-PL093110.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PL093110.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093110.D	1		11/18/24	pl111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.6		30 (43) - 150 (140)	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		30 (77) - 150 (126)	104%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/18/24
Project:	Ocean County Landfill 2024	Date Received:	11/18/24
Client Sample ID:	PIBLK-PL093110.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PL093110.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093110.D	1		11/18/24	pl111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/18/24
Project:	Ocean County Landfill 2024	Date Received:	11/18/24
Client Sample ID:	PIBLK-PL093133.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PL093133.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093133.D	1		11/18/24	pl111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.3		30 (43) - 150 (140)	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		30 (77) - 150 (126)	102%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/18/24
Project:	Ocean County Landfill 2024	Date Received:	11/18/24
Client Sample ID:	PIBLK-PL093133.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PL093133.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093133.D	1		11/18/24	pl111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/19/24
Project:	Ocean County Landfill 2024	Date Received:	11/19/24
Client Sample ID:	PIBLK-PL093136.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PL093136.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093136.D	1		11/19/24	PL111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.6		30 (43) - 150 (140)	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		30 (77) - 150 (126)	93%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/19/24
Project:	Ocean County Landfill 2024	Date Received:	11/19/24
Client Sample ID:	PIBLK-PL093136.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PL093136.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093136.D	1		11/19/24	PL111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/19/24
Project:	Ocean County Landfill 2024	Date Received:	11/19/24
Client Sample ID:	PIBLK-PL093152.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PL093152.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093152.D	1		11/19/24	PL111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.0		30 (43) - 150 (140)	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.7		30 (77) - 150 (126)	98%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/19/24
Project:	Ocean County Landfill 2024	Date Received:	11/19/24
Client Sample ID:	PIBLK-PL093152.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PL093152.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093152.D	1		11/19/24	PL111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165046BS	SDG No.:	P4860
Lab Sample ID:	PB165046BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093139.D	1	11/18/24 08:20	11/19/24 13:52	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.0		0.18	1.70	ug/kg
319-85-7	beta-BHC	17.1		0.49	1.70	ug/kg
319-86-8	delta-BHC	14.4		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.7		0.19	1.70	ug/kg
76-44-8	Heptachlor	18.1		0.17	1.70	ug/kg
309-00-2	Aldrin	16.4		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.0		0.23	1.70	ug/kg
959-98-8	Endosulfan I	17.7		0.17	1.70	ug/kg
60-57-1	Dieldrin	17.6		0.15	1.70	ug/kg
72-55-9	4,4-DDE	18.1		0.13	1.70	ug/kg
72-20-8	Endrin	18.7		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	17.8		0.30	1.70	ug/kg
72-54-8	4,4-DDD	18.1		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.8		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.6		0.17	1.70	ug/kg
72-43-5	Methoxychlor	17.4		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	17.1		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.8		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.7		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.8		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.4		30 (10) - 150 (148)	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		30 (10) - 150 (159)	101%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165046BS	SDG No.:	P4860
Lab Sample ID:	PB165046BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093139.D	1	11/18/24 08:20	11/19/24 13:52	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007MS	SDG No.:	P4860
Lab Sample ID:	P4860-08MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	98 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093147.D	1	11/18/24 08:20	11/19/24 15:37	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.1		0.18	1.70	ug/kg
319-85-7	beta-BHC	16.9		0.50	1.70	ug/kg
319-86-8	delta-BHC	13.5		0.48	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	15.9		0.19	1.70	ug/kg
76-44-8	Heptachlor	17.0		0.17	1.70	ug/kg
309-00-2	Aldrin	16.5		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.5		0.23	1.70	ug/kg
959-98-8	Endosulfan I	16.0		0.17	1.70	ug/kg
60-57-1	Dieldrin	17.1		0.15	1.70	ug/kg
72-55-9	4,4-DDE	17.9		0.13	1.70	ug/kg
72-20-8	Endrin	17.8		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	16.9		0.31	1.70	ug/kg
72-54-8	4,4-DDD	17.7		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	15.9		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.4		0.17	1.70	ug/kg
72-43-5	Methoxychlor	16.8		0.39	1.70	ug/kg
53494-70-5	Endrin ketone	16.1		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	15.7		0.40	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.4		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.2		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.30	U	5.30	33.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.9		30 (10) - 150 (148)	80%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.2		30 (10) - 150 (159)	76%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007MS	SDG No.:	P4860
Lab Sample ID:	P4860-08MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	98 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093147.D	1	11/18/24 08:20	11/19/24 15:37	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007MSD	SDG No.:	P4860
Lab Sample ID:	P4860-08MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	98 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093148.D	1	11/18/24 08:20	11/19/24 15:50	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	15.9		0.18	1.70	ug/kg
319-85-7	beta-BHC	16.6		0.50	1.70	ug/kg
319-86-8	delta-BHC	13.3		0.48	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	15.6		0.19	1.70	ug/kg
76-44-8	Heptachlor	16.7		0.17	1.70	ug/kg
309-00-2	Aldrin	16.2		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.3		0.23	1.70	ug/kg
959-98-8	Endosulfan I	15.1		0.17	1.70	ug/kg
60-57-1	Dieldrin	17.0		0.15	1.70	ug/kg
72-55-9	4,4-DDE	17.8		0.13	1.70	ug/kg
72-20-8	Endrin	18.3		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	16.8		0.31	1.70	ug/kg
72-54-8	4,4-DDD	18.0		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.0		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.6		0.17	1.70	ug/kg
72-43-5	Methoxychlor	16.6		0.39	1.70	ug/kg
53494-70-5	Endrin ketone	16.0		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	15.5		0.40	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.0		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.9		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.30	U	5.30	33.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.7		30 (10) - 150 (148)	79%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.1		30 (10) - 150 (159)	75%	SPK: 20

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007MSD	SDG No.:	P4860
Lab Sample ID:	P4860-08MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	98 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093148.D	1	11/18/24 08:20	11/19/24 15:50	PB165046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.35	6.35	6.35	6.35	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.58	6.58	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.68	5.69	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Aldrin	4.23	4.23	4.23	4.23	4.23	4.23	4.13	4.33
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	6.62	6.62	6.62	6.61	6.61	6.51	6.71
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1810270000	1801980000	1817980000	1967770000	2199620000	1919520000	9
4,4'-DDE	2254070000	2226390000	2230050000	2402470000	2732960000	2369190000	9
4,4'-DDT	1948940000	1933390000	1940720000	2113460000	2412250000	2069750000	10
Aldrin	2847480000	2802990000	2807290000	3047230000	3502400000	3001480000	10
alpha-BHC	3356530000	3271880000	3230400000	3397090000	3701950000	3391570000	5
alpha-Chlordane	2486640000	2469090000	2489960000	2701720000	3093310000	2648140000	10
beta-BHC	1343260000	1339050000	1368530000	1491800000	1684660000	1445460000	10
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
delta-BHC	3067660000	2980040000	2949010000	3119670000	3533000000	3129870000	8
Dieldrin	2486930000	2456960000	2476030000	2679410000	3078050000	2635480000	10
Endosulfan I	2320690000	2313950000	2348370000	2546170000	2977620000	2501360000	11
Endosulfan II	2159880000	2160930000	2205230000	2449960000	2943170000	2383830000	14
Endosulfan sulfate	1974140000	1979440000	2024740000	2239840000	2633550000	2170340000	13
Endrin	2111540000	2103000000	2121260000	2324460000	2723040000	2276660000	12
Endrin aldehyde	1712300000	1718280000	1758160000	1955910000	2245210000	1877970000	12
Endrin ketone	2253830000	2246660000	2273910000	2471090000	2868570000	2422810000	11
gamma-BHC (Lindane)	3198960000	3133030000	3104430000	3278360000	3583040000	3259560000	6
gamma-Chlordane	2496700000	2477960000	2491940000	2703470000	3133120000	2660640000	11
Heptachlor	2817300000	2795570000	2829220000	3064000000	3509480000	3003110000	10
Heptachlor epoxide	2536240000	2521530000	2566410000	2821600000	3361270000	2761410000	13
Methoxychlor	1040530000	1050870000	1078280000	1189160000	1341160000	1140000000	11
Tetrachloro-m-xylene	2319350000	2304070000	2328420000	2512350000	2786990000	2450240000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2614880000	2506250000	2443430000	2489210000	2396540000	2490060000	3
4,4'-DDE	3334990000	3225880000	3154950000	3209960000	3182260000	3221610000	2
4,4'-DDT	2797500000	2713050000	2637310000	2653690000	2609750000	2682260000	3
Aldrin	3840860000	3705070000	3619180000	3619340000	3516600000	3660210000	3
alpha-BHC	4282500000	4089170000	3973860000	3934480000	3670850000	3990170000	6
alpha-Chlordane	3409310000	3303380000	3254510000	3329310000	3333630000	3326030000	2
beta-BHC	1625150000	1594840000	1591160000	1661990000	1758110000	1646250000	4
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
delta-BHC	4088000000	3924730000	3802680000	3782230000	3618150000	3843150000	5
Dieldrin	3483370000	3364390000	3290100000	3303460000	3260200000	3340300000	3
Endosulfan I	3111480000	3032780000	2993580000	3072340000	3055530000	3053140000	1
Endosulfan II	2881520000	2813750000	2779930000	2861240000	2829950000	2833280000	1
Endosulfan sulfate	2707530000	2646200000	2623690000	2712350000	2794620000	2696880000	2
Endrin	2969490000	2878380000	2828080000	2876210000	2912860000	2893010000	2
Endrin aldehyde	2273700000	2244250000	2230130000	2333460000	2454860000	2307280000	4
Endrin ketone	3089790000	3023040000	3013060000	3097240000	3120850000	3068800000	2
gamma-BHC (Lindane)	4083950000	3934430000	3833920000	3828430000	3616530000	3859450000	4
gamma-Chlordane	3470230000	3355710000	3294030000	3342020000	3346470000	3361690000	2
Heptachlor	3876200000	3766580000	3709120000	3779090000	3738650000	3773930000	2
Heptachlor epoxide	3405420000	3318630000	3272090000	3352830000	3358060000	3341410000	1
Methoxychlor	1400820000	1385450000	1393920000	1470360000	1489590000	1428030000	3
Tetrachloro-m-xylene	2724750000	2661560000	2643180000	2728430000	2847900000	2721160000	3

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Instrument ID: ECD_L **Date(s) Analyzed:** 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	23962400
		2	6.44	6.34	6.54	13823600
		3	7.06	6.96	7.16	79159800
		4	7.15	7.05	7.25	59803700
		5	7.93	7.83	8.03	45329200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Instrument ID: ECD_L **Date(s) Analyzed:** 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.01	4.91	5.11	19952700
		2	5.33	5.23	5.43	19749600
		3	6.61	6.51	6.71	70222500
		4	6.73	6.63	6.83	98337700
		5	7.05	6.95	7.15	65479700

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/18/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 09:59 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.01
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	0.00
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/18/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 09:59 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.01
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.01
4,4'-DDE	5.23	5.24	5.14	5.34	0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.01
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.61	6.62	6.52	6.72	0.01
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.12	6.02	6.22	0.01
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/18/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093100.D **Time Analyzed:** 09:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.710	6.610	6.810	51.130	50.000	2.3
4,4'-DDE	6.193	6.093	6.293	50.700	50.000	1.4
4,4'-DDT	7.024	6.923	7.123	48.900	50.000	-2.2
Aldrin	5.258	5.158	5.358	50.880	50.000	1.8
alpha-BHC	3.995	3.896	4.096	54.020	50.000	8.0
alpha-Chlordane	6.019	5.919	6.119	49.680	50.000	-0.6
beta-BHC	4.525	4.425	4.625	52.270	50.000	4.5
Decachlorobiphenyl	9.056	8.954	9.154	48.900	50.000	-2.2
delta-BHC	4.773	4.672	4.872	52.830	50.000	5.7
Dieldrin	6.345	6.245	6.445	49.220	50.000	-1.6
Endosulfan I	6.070	5.970	6.170	49.530	50.000	-0.9
Endosulfan II	6.795	6.694	6.894	47.320	50.000	-5.4
Endosulfan sulfate	7.159	7.058	7.258	48.460	50.000	-3.1
Endrin	6.575	6.474	6.674	49.110	50.000	-1.8
Endrin aldehyde	6.924	6.824	7.024	48.910	50.000	-2.2
Endrin ketone	7.644	7.543	7.743	48.560	50.000	-2.9
gamma-BHC (Lindane)	4.328	4.228	4.428	53.390	50.000	6.8
gamma-Chlordane	5.941	5.841	6.041	49.100	50.000	-1.8
Heptachlor	4.916	4.817	5.017	51.170	50.000	2.3
Heptachlor epoxide	5.685	5.584	5.784	49.800	50.000	-0.4
Methoxychlor	7.500	7.399	7.599	48.780	50.000	-2.4
Tetrachloro-m-xylene	3.539	3.440	3.640	53.540	50.000	7.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/18/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093100.D **Time Analyzed:** 09:59

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.788	5.689	5.889	58.040	50.000	16.1
4,4'-DDE	5.233	5.135	5.335	57.220	50.000	14.4
4,4'-DDT	6.039	5.940	6.140	54.790	50.000	9.6
Aldrin	4.228	4.129	4.329	57.170	50.000	14.3
alpha-BHC	3.280	3.181	3.381	57.320	50.000	14.6
alpha-Chlordane	5.045	4.945	5.145	56.310	50.000	12.6
beta-BHC	3.909	3.810	4.010	55.860	50.000	11.7
Decachlorobiphenyl	7.915	7.816	8.016	48.710	50.000	-2.6
delta-BHC	4.138	4.039	4.239	57.540	50.000	15.1
Dieldrin	5.365	5.266	5.466	56.890	50.000	13.8
Endosulfan I	5.101	5.002	5.202	56.120	50.000	12.2
Endosulfan II	5.935	5.836	6.036	56.090	50.000	12.2
Endosulfan sulfate	6.338	6.238	6.438	54.570	50.000	9.1
Endrin	5.641	5.541	5.741	56.390	50.000	12.8
Endrin aldehyde	6.114	6.015	6.215	54.990	50.000	10.0
Endrin ketone	6.843	6.743	6.943	54.610	50.000	9.2
gamma-BHC (Lindane)	3.610	3.511	3.711	57.140	50.000	14.3
gamma-Chlordane	4.981	4.882	5.082	57.170	50.000	14.3
Heptachlor	3.948	3.849	4.049	55.490	50.000	11.0
Heptachlor epoxide	4.731	4.632	4.832	56.200	50.000	12.4
Methoxychlor	6.614	6.515	6.715	51.830	50.000	3.7
Tetrachloro-m-xylene	2.777	2.678	2.878	55.280	50.000	10.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/18/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 13:32 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.01
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/18/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 13:32 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.37	5.27	5.47	0.01
4,4'-DDE	5.23	5.24	5.14	5.34	0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.01
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.61	6.62	6.52	6.72	0.01
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.12	6.02	6.22	0.01
alpha-Chlordane	5.04	5.05	4.95	5.15	0.01
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/18/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093112.D **Time Analyzed:** 13:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.710	6.610	6.810	50.310	50.000	0.6
4,4'-DDE	6.192	6.093	6.293	49.210	50.000	-1.6
4,4'-DDT	7.024	6.923	7.123	45.840	50.000	-8.3
Aldrin	5.258	5.158	5.358	48.420	50.000	-3.2
alpha-BHC	3.995	3.896	4.096	50.940	50.000	1.9
alpha-Chlordane	6.019	5.919	6.119	47.550	50.000	-4.9
beta-BHC	4.525	4.425	4.625	50.170	50.000	0.3
Decachlorobiphenyl	9.057	8.954	9.154	46.500	50.000	-7.0
delta-BHC	4.772	4.672	4.872	50.200	50.000	0.4
Dieldrin	6.345	6.245	6.445	47.660	50.000	-4.7
Endosulfan I	6.070	5.970	6.170	47.610	50.000	-4.8
Endosulfan II	6.794	6.694	6.894	45.770	50.000	-8.5
Endosulfan sulfate	7.159	7.058	7.258	46.860	50.000	-6.3
Endrin	6.575	6.474	6.674	47.010	50.000	-6.0
Endrin aldehyde	6.925	6.824	7.024	46.630	50.000	-6.7
Endrin ketone	7.644	7.543	7.743	47.200	50.000	-5.6
gamma-BHC (Lindane)	4.327	4.228	4.428	50.430	50.000	0.9
gamma-Chlordane	5.940	5.841	6.041	46.810	50.000	-6.4
Heptachlor	4.916	4.817	5.017	48.620	50.000	-2.8
Heptachlor epoxide	5.684	5.584	5.784	48.080	50.000	-3.8
Methoxychlor	7.501	7.399	7.599	46.550	50.000	-6.9
Tetrachloro-m-xylene	3.539	3.440	3.640	50.600	50.000	1.2

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/18/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093112.D **Time Analyzed:** 13:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.788	5.689	5.889	58.030	50.000	16.1
4,4'-DDE	5.233	5.135	5.335	55.620	50.000	11.2
4,4'-DDT	6.039	5.940	6.140	52.430	50.000	4.9
Aldrin	4.228	4.129	4.329	54.850	50.000	9.7
alpha-BHC	3.280	3.181	3.381	54.620	50.000	9.2
alpha-Chlordane	5.044	4.945	5.145	54.410	50.000	8.8
beta-BHC	3.909	3.810	4.010	53.680	50.000	7.4
Decachlorobiphenyl	7.916	7.816	8.016	49.310	50.000	-1.4
delta-BHC	4.138	4.039	4.239	55.290	50.000	10.6
Dieldrin	5.364	5.266	5.466	55.070	50.000	10.1
Endosulfan I	5.100	5.002	5.202	54.510	50.000	9.0
Endosulfan II	5.935	5.836	6.036	55.080	50.000	10.2
Endosulfan sulfate	6.338	6.238	6.438	54.170	50.000	8.3
Endrin	5.640	5.541	5.741	54.960	50.000	9.9
Endrin aldehyde	6.114	6.015	6.215	53.070	50.000	6.1
Endrin ketone	6.843	6.743	6.943	53.870	50.000	7.7
gamma-BHC (Lindane)	3.610	3.511	3.711	54.390	50.000	8.8
gamma-Chlordane	4.981	4.882	5.082	55.500	50.000	11.0
Heptachlor	3.949	3.849	4.049	53.560	50.000	7.1
Heptachlor epoxide	4.731	4.632	4.832	54.300	50.000	8.6
Methoxychlor	6.614	6.515	6.715	51.800	50.000	3.6
Tetrachloro-m-xylene	2.777	2.678	2.878	52.890	50.000	5.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/18/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 18:21 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.01
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	0.00
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/18/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 18:21 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.01
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.01
4,4'-DDE	5.23	5.24	5.14	5.34	0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.01
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.61	6.62	6.52	6.72	0.01
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.01
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/18/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093134.D **Time Analyzed:** 18:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.711	6.610	6.810	53.610	50.000	7.2
4,4'-DDE	6.193	6.093	6.293	49.370	50.000	-1.3
4,4'-DDT	7.025	6.923	7.123	41.650	50.000	-16.7
Aldrin	5.258	5.158	5.358	48.800	50.000	-2.4
alpha-BHC	3.995	3.896	4.096	51.090	50.000	2.2
alpha-Chlordane	6.020	5.919	6.119	47.920	50.000	-4.2
beta-BHC	4.526	4.425	4.625	50.040	50.000	0.1
Decachlorobiphenyl	9.056	8.954	9.154	46.980	50.000	-6.0
delta-BHC	4.773	4.672	4.872	50.750	50.000	1.5
Dieldrin	6.345	6.245	6.445	47.910	50.000	-4.2
Endosulfan I	6.070	5.970	6.170	47.810	50.000	-4.4
Endosulfan II	6.795	6.694	6.894	46.520	50.000	-7.0
Endosulfan sulfate	7.159	7.058	7.258	47.130	50.000	-5.7
Endrin	6.575	6.474	6.674	45.630	50.000	-8.7
Endrin aldehyde	6.925	6.824	7.024	46.780	50.000	-6.4
Endrin ketone	7.644	7.543	7.743	48.130	50.000	-3.7
gamma-BHC (Lindane)	4.328	4.228	4.428	50.460	50.000	0.9
gamma-Chlordane	5.941	5.841	6.041	47.340	50.000	-5.3
Heptachlor	4.916	4.817	5.017	48.170	50.000	-3.7
Heptachlor epoxide	5.684	5.584	5.784	48.220	50.000	-3.6
Methoxychlor	7.500	7.399	7.599	42.500	50.000	-15.0
Tetrachloro-m-xylene	3.540	3.440	3.640	49.920	50.000	-0.2

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/18/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093134.D **Time Analyzed:** 18:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.789	5.689	5.889	62.250	50.000	24.5
4,4'-DDE	5.234	5.135	5.335	57.220	50.000	14.4
4,4'-DDT	6.039	5.940	6.140	47.680	50.000	-4.6
Aldrin	4.229	4.129	4.329	56.030	50.000	12.1
alpha-BHC	3.280	3.181	3.381	55.470	50.000	10.9
alpha-Chlordane	5.045	4.945	5.145	55.700	50.000	11.4
beta-BHC	3.910	3.810	4.010	54.670	50.000	9.3
Decachlorobiphenyl	7.915	7.816	8.016	51.160	50.000	2.3
delta-BHC	4.139	4.039	4.239	56.510	50.000	13.0
Dieldrin	5.365	5.266	5.466	56.060	50.000	12.1
Endosulfan I	5.101	5.002	5.202	55.400	50.000	10.8
Endosulfan II	5.935	5.836	6.036	56.100	50.000	12.2
Endosulfan sulfate	6.338	6.238	6.438	55.180	50.000	10.4
Endrin	5.641	5.541	5.741	53.880	50.000	7.8
Endrin aldehyde	6.115	6.015	6.215	55.000	50.000	10.0
Endrin ketone	6.843	6.743	6.943	55.880	50.000	11.8
gamma-BHC (Lindane)	3.610	3.511	3.711	55.180	50.000	10.4
gamma-Chlordane	4.981	4.882	5.082	56.740	50.000	13.5
Heptachlor	3.949	3.849	4.049	53.770	50.000	7.5
Heptachlor epoxide	4.731	4.632	4.832	55.490	50.000	11.0
Methoxychlor	6.614	6.515	6.715	48.760	50.000	-2.5
Tetrachloro-m-xylene	2.778	2.678	2.878	53.760	50.000	7.5

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/19/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 13:25 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.01
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/19/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 13:25 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.92	7.82	8.02	0.01
Tetrachloro-m-xylene	2.77	2.78	2.68	2.88	0.01
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.37	5.27	5.47	0.01
4,4'-DDE	5.23	5.24	5.14	5.34	0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.94	5.84	6.04	0.01
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.61	6.62	6.52	6.72	0.01
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.12	6.02	6.22	0.01
alpha-Chlordane	5.04	5.05	4.95	5.15	0.01
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL04 **Date Analyzed:** 11/19/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093138.D **Time Analyzed:** 13:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.709	6.610	6.810	45.790	50.000	-8.4
4,4'-DDE	6.192	6.093	6.293	47.570	50.000	-4.9
4,4'-DDT	7.024	6.923	7.123	46.490	50.000	-7.0
Aldrin	5.258	5.158	5.358	48.710	50.000	-2.6
alpha-BHC	3.995	3.896	4.096	52.100	50.000	4.2
alpha-Chlordane	6.019	5.919	6.119	47.060	50.000	-5.9
beta-BHC	4.525	4.425	4.625	49.340	50.000	-1.3
Decachlorobiphenyl	9.056	8.954	9.154	43.770	50.000	-12.5
delta-BHC	4.772	4.672	4.872	50.420	50.000	0.8
Dieldrin	6.345	6.245	6.445	47.480	50.000	-5.0
Endosulfan I	6.069	5.970	6.170	46.570	50.000	-6.9
Endosulfan II	6.794	6.694	6.894	44.550	50.000	-10.9
Endosulfan sulfate	7.159	7.058	7.258	45.380	50.000	-9.2
Endrin	6.575	6.474	6.674	45.130	50.000	-9.7
Endrin aldehyde	6.924	6.824	7.024	45.920	50.000	-8.2
Endrin ketone	7.644	7.543	7.743	46.100	50.000	-7.8
gamma-BHC (Lindane)	4.327	4.228	4.428	50.340	50.000	0.7
gamma-Chlordane	5.940	5.841	6.041	46.560	50.000	-6.9
Heptachlor	4.916	4.817	5.017	49.110	50.000	-1.8
Heptachlor epoxide	5.684	5.584	5.784	46.940	50.000	-6.1
Methoxychlor	7.500	7.399	7.599	45.290	50.000	-9.4
Tetrachloro-m-xylene	3.539	3.440	3.640	51.060	50.000	2.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL04 **Date Analyzed:** 11/19/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093138.D **Time Analyzed:** 13:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.787	5.689	5.889	52.500	50.000	5.0
4,4'-DDE	5.231	5.135	5.335	52.590	50.000	5.2
4,4'-DDT	6.036	5.940	6.140	50.050	50.000	0.1
Aldrin	4.226	4.129	4.329	52.610	50.000	5.2
alpha-BHC	3.277	3.181	3.381	53.410	50.000	6.8
alpha-Chlordane	5.043	4.945	5.145	51.220	50.000	2.4
beta-BHC	3.907	3.810	4.010	51.690	50.000	3.4
Decachlorobiphenyl	7.914	7.816	8.016	48.190	50.000	-3.6
delta-BHC	4.136	4.039	4.239	53.730	50.000	7.5
Dieldrin	5.363	5.266	5.466	52.190	50.000	4.4
Endosulfan I	5.099	5.002	5.202	51.370	50.000	2.7
Endosulfan II	5.932	5.836	6.036	51.590	50.000	3.2
Endosulfan sulfate	6.336	6.238	6.438	50.980	50.000	2.0
Endrin	5.638	5.541	5.741	53.440	50.000	6.9
Endrin aldehyde	6.113	6.015	6.215	50.540	50.000	1.1
Endrin ketone	6.841	6.743	6.943	50.580	50.000	1.2
gamma-BHC (Lindane)	3.607	3.511	3.711	53.150	50.000	6.3
gamma-Chlordane	4.979	4.882	5.082	50.660	50.000	1.3
Heptachlor	3.946	3.849	4.049	52.170	50.000	4.3
Heptachlor epoxide	4.729	4.632	4.832	51.800	50.000	3.6
Methoxychlor	6.612	6.515	6.715	51.180	50.000	2.4
Tetrachloro-m-xylene	2.774	2.678	2.878	51.910	50.000	3.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/19/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 16:56 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	4.00	3.90	4.10	0.01
beta-BHC	4.52	4.53	4.43	4.63	0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Aldrin	5.25	5.26	5.16	5.36	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/19/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 16:56 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.92	7.82	8.02	0.01
Tetrachloro-m-xylene	2.77	2.78	2.68	2.88	0.01
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.37	5.27	5.47	0.01
4,4'-DDE	5.23	5.24	5.14	5.34	0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.94	5.84	6.04	0.01
4,4'-DDD	5.79	5.79	5.69	5.89	0.01
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.61	6.62	6.52	6.72	0.01
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.12	6.02	6.22	0.01
alpha-Chlordane	5.04	5.05	4.95	5.15	0.01
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL05 **Date Analyzed:** 11/19/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093153.D **Time Analyzed:** 16:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.708	6.610	6.810	49.630	50.000	-0.7
4,4'-DDE	6.190	6.093	6.293	50.810	50.000	1.6
4,4'-DDT	7.023	6.923	7.123	48.210	50.000	-3.6
Aldrin	5.254	5.158	5.358	50.970	50.000	1.9
alpha-BHC	3.993	3.896	4.096	55.020	50.000	10.0
alpha-Chlordane	6.017	5.919	6.119	49.550	50.000	-0.9
beta-BHC	4.523	4.425	4.625	52.220	50.000	4.4
Decachlorobiphenyl	9.055	8.954	9.154	47.550	50.000	-4.9
delta-BHC	4.770	4.672	4.872	53.710	50.000	7.4
Dieldrin	6.343	6.245	6.445	49.810	50.000	-0.4
Endosulfan I	6.068	5.970	6.170	49.630	50.000	-0.7
Endosulfan II	6.793	6.694	6.894	47.090	50.000	-5.8
Endosulfan sulfate	7.157	7.058	7.258	48.270	50.000	-3.5
Endrin	6.573	6.474	6.674	48.970	50.000	-2.1
Endrin aldehyde	6.923	6.824	7.024	48.760	50.000	-2.5
Endrin ketone	7.642	7.543	7.743	49.330	50.000	-1.3
gamma-BHC (Lindane)	4.325	4.228	4.428	54.230	50.000	8.5
gamma-Chlordane	5.937	5.841	6.041	49.120	50.000	-1.8
Heptachlor	4.914	4.817	5.017	51.440	50.000	2.9
Heptachlor epoxide	5.682	5.584	5.784	49.830	50.000	-0.3
Methoxychlor	7.499	7.399	7.599	47.670	50.000	-4.7
Tetrachloro-m-xylene	3.536	3.440	3.640	54.430	50.000	8.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL05 **Date Analyzed:** 11/19/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093153.D **Time Analyzed:** 16:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.785	5.689	5.889	59.680	50.000	19.4
4,4'-DDE	5.231	5.135	5.335	57.660	50.000	15.3
4,4'-DDT	6.037	5.940	6.140	54.740	50.000	9.5
Aldrin	4.226	4.129	4.329	56.620	50.000	13.2
alpha-BHC	3.277	3.181	3.381	56.930	50.000	13.9
alpha-Chlordane	5.042	4.945	5.145	55.820	50.000	11.6
beta-BHC	3.907	3.810	4.010	55.370	50.000	10.7
Decachlorobiphenyl	7.914	7.816	8.016	53.650	50.000	7.3
delta-BHC	4.136	4.039	4.239	57.740	50.000	15.5
Dieldrin	5.363	5.266	5.466	56.790	50.000	13.6
Endosulfan I	5.098	5.002	5.202	54.140	50.000	8.3
Endosulfan II	5.933	5.836	6.036	57.070	50.000	14.1
Endosulfan sulfate	6.336	6.238	6.438	56.150	50.000	12.3
Endrin	5.639	5.541	5.741	56.930	50.000	13.9
Endrin aldehyde	6.112	6.015	6.215	55.770	50.000	11.5
Endrin ketone	6.841	6.743	6.943	56.500	50.000	13.0
gamma-BHC (Lindane)	3.608	3.511	3.711	56.860	50.000	13.7
gamma-Chlordane	4.979	4.882	5.082	56.520	50.000	13.0
Heptachlor	3.946	3.849	4.049	55.570	50.000	11.1
Heptachlor epoxide	4.729	4.632	4.832	56.070	50.000	12.1
Methoxychlor	6.613	6.515	6.715	55.250	50.000	10.5
Tetrachloro-m-xylene	2.774	2.678	2.878	55.330	50.000	10.7

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D **Date Analyzed:** 10/28/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 14:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	19.970	20.000	-0.2
Tetrachloro-m-xylene	3.546	3.500	3.600	19.290	20.000	-3.6
alpha-BHC	4.001	3.950	4.050	9.920	10.000	-0.8
beta-BHC	4.531	4.480	4.580	10.060	10.000	0.6
gamma-BHC (Lindane)	4.334	4.280	4.380	9.660	10.000	-3.4
Endrin	6.580	6.510	6.650	41.060	50.000	-17.9
4,4'-DDT	7.030	6.960	7.100	88.060	100.000	-11.9
Methoxychlor	7.505	7.430	7.580	204.090	250.000	-18.4

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D **Date Analyzed:** 10/28/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 14:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	19.080	20.000	-4.6
Tetrachloro-m-xylene	2.778	2.730	2.830	18.500	20.000	-7.5
alpha-BHC	3.281	3.230	3.330	8.630	10.000	-13.7
beta-BHC	3.911	3.860	3.960	9.760	10.000	-2.4
gamma-BHC (Lindane)	3.611	3.560	3.660	8.390	10.000	-16.1
Endrin	5.643	5.570	5.710	44.130	50.000	-11.7
4,4'-DDT	6.042	5.970	6.110	98.070	100.000	-1.9
Methoxychlor	6.616	6.550	6.690	225.800	250.000	-9.7

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL093099.D **Date Analyzed:** 11/18/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:46

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.057	8.960	9.160	19.600	20.000	-2.0
Tetrachloro-m-xylene	3.540	3.490	3.590	21.120	20.000	5.6
alpha-BHC	3.995	3.940	4.050	10.880	10.000	8.8
beta-BHC	4.526	4.480	4.580	11.210	10.000	12.1
gamma-BHC (Lindane)	4.328	4.280	4.380	10.580	10.000	5.8
Endrin	6.574	6.500	6.640	43.140	50.000	-13.7
4,4'-DDT	7.026	6.960	7.100	87.940	100.000	-12.1
Methoxychlor	7.502	7.430	7.570	204.340	250.000	-18.3

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL093099.D **Date Analyzed:** 11/18/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:46

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.915	7.810	8.020	19.130	20.000	-4.4
Tetrachloro-m-xylene	2.777	2.730	2.830	20.500	20.000	2.5
alpha-BHC	3.279	3.230	3.330	9.980	10.000	-0.2
beta-BHC	3.909	3.860	3.960	11.030	10.000	10.3
gamma-BHC (Lindane)	3.610	3.560	3.660	9.620	10.000	-3.8
Endrin	5.641	5.570	5.710	50.120	50.000	0.2
4,4'-DDT	6.039	5.970	6.110	107.970	100.000	8.0
Methoxychlor	6.614	6.540	6.680	232.330	250.000	-7.1

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL093111.D **Date Analyzed:** 11/18/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:19

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.960	9.160	19.590	20.000	-2.1
Tetrachloro-m-xylene	3.539	3.490	3.590	21.050	20.000	5.3
alpha-BHC	3.994	3.940	4.040	10.790	10.000	7.9
beta-BHC	4.525	4.470	4.580	11.350	10.000	13.5
gamma-BHC (Lindane)	4.327	4.280	4.380	10.510	10.000	5.1
Endrin	6.573	6.500	6.640	42.900	50.000	-14.2
4,4'-DDT	7.024	6.950	7.090	86.130	100.000	-13.9
Methoxychlor	7.501	7.430	7.570	203.180	250.000	-18.7

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL093111.D **Date Analyzed:** 11/18/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:19

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.915	7.810	8.020	19.480	20.000	-2.6
Tetrachloro-m-xylene	2.777	2.730	2.830	20.570	20.000	2.9
alpha-BHC	3.279	3.230	3.330	9.860	10.000	-1.4
beta-BHC	3.909	3.860	3.960	10.850	10.000	8.5
gamma-BHC (Lindane)	3.609	3.560	3.660	9.470	10.000	-5.3
Endrin	5.640	5.570	5.710	49.940	50.000	-0.1
4,4'-DDT	6.038	5.970	6.110	106.700	100.000	6.7
Methoxychlor	6.614	6.540	6.680	238.650	250.000	-4.5

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL093137.D **Date Analyzed:** 11/19/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:57

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.054	8.950	9.150	15.450	20.000	-22.8
Tetrachloro-m-xylene	3.536	3.490	3.590	19.640	20.000	-1.8
alpha-BHC	3.992	3.940	4.040	9.820	10.000	-1.8
beta-BHC	4.523	4.470	4.570	9.780	10.000	-2.2
gamma-BHC (Lindane)	4.325	4.270	4.380	10.650	10.000	6.5
Endrin	6.570	6.500	6.640	38.600	50.000	-22.8
4,4'-DDT	7.022	6.950	7.090	79.980	100.000	-20.0
Methoxychlor	7.498	7.430	7.570	187.950	250.000	-24.8

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL093137.D **Date Analyzed:** 11/19/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:57

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.913	7.810	8.010	17.000	20.000	-15.0
Tetrachloro-m-xylene	2.773	2.720	2.820	18.680	20.000	-6.6
alpha-BHC	3.276	3.230	3.330	8.980	10.000	-10.2
beta-BHC	3.906	3.860	3.960	9.620	10.000	-3.8
gamma-BHC (Lindane)	3.606	3.560	3.660	8.600	10.000	-14.0
Endrin	5.638	5.570	5.710	44.820	50.000	-10.4
4,4'-DDT	6.035	5.960	6.110	92.760	100.000	-7.2
Methoxychlor	6.612	6.540	6.680	221.790	250.000	-11.3

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Analytical Sequence

Client: Tetra Tech **SDG No.:** P4860

Project: Ocean County Landfill 2024 **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

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	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
I.BLK	I.BLK	11/18/2024	09:32	PL093098.D	9.06	3.54
PEM	PEM	11/18/2024	09:46	PL093099.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/18/2024	09:59	PL093100.D	9.06	3.54
PH2-BOT-002	P4860-03	11/18/2024	12:26	PL093107.D	9.06	3.54
PH2-BOT-003	P4860-04	11/18/2024	12:39	PL093108.D	9.05	3.54
PH2-BOT-004	P4860-05	11/18/2024	12:52	PL093109.D	9.06	3.54
I.BLK	I.BLK	11/18/2024	13:05	PL093110.D	9.06	3.54
PEM	PEM	11/18/2024	13:19	PL093111.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/18/2024	13:32	PL093112.D	9.06	3.54
PH2-BOT-009	P4860-06	11/18/2024	13:45	PL093113.D	9.06	3.54
I.BLK	I.BLK	11/18/2024	18:08	PL093133.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/18/2024	18:21	PL093134.D	9.06	3.54
I.BLK	I.BLK	11/19/2024	12:44	PL093136.D	9.05	3.54
PEM	PEM	11/19/2024	12:57	PL093137.D	9.05	3.54
PSTDCCC050	PSTDCCC050	11/19/2024	13:25	PL093138.D	9.06	3.54
PB165046BS	PB165046BS	11/19/2024	13:52	PL093139.D	9.05	3.54
PB165046BL	PB165046BL	11/19/2024	14:05	PL093140.D	9.05	3.54
DUP-01	P4860-01	11/19/2024	14:18	PL093141.D	9.05	3.54
PH2-BOT-001	P4860-02	11/19/2024	14:31	PL093142.D	9.05	3.53
PH2-BOT-006	P4860-09	11/19/2024	14:44	PL093143.D	9.05	3.53
PH2-BOT-005	P4860-10	11/19/2024	14:57	PL093144.D	9.05	3.53
PH2-BOT-008	P4860-07	11/19/2024	15:11	PL093145.D	9.05	3.54
PH2-BOT-007	P4860-08	11/19/2024	15:24	PL093146.D	9.05	3.53
PH2-BOT-007MS	P4860-08MS	11/19/2024	15:37	PL093147.D	9.05	3.53
PH2-BOT-007MSD	P4860-08MSD	11/19/2024	15:50	PL093148.D	9.05	3.53
I.BLK	I.BLK	11/19/2024	16:43	PL093152.D	9.05	3.54
PSTDCCC050	PSTDCCC050	11/19/2024	16:56	PL093153.D	9.06	3.54

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Analytical Sequence

Client: Tetra Tech **SDG No.:** P4860

Project: Ocean County Landfill 2024 **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

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	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
I.BLK	I.BLK	11/18/2024	09:32	PL093098.D	7.92	2.78
PEM	PEM	11/18/2024	09:46	PL093099.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/18/2024	09:59	PL093100.D	7.92	2.78
PH2-BOT-002	P4860-03	11/18/2024	12:26	PL093107.D	7.91	2.78
PH2-BOT-003	P4860-04	11/18/2024	12:39	PL093108.D	7.92	2.78
PH2-BOT-004	P4860-05	11/18/2024	12:52	PL093109.D	7.92	2.78
I.BLK	I.BLK	11/18/2024	13:05	PL093110.D	7.92	2.78
PEM	PEM	11/18/2024	13:19	PL093111.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/18/2024	13:32	PL093112.D	7.92	2.78
PH2-BOT-009	P4860-06	11/18/2024	13:45	PL093113.D	7.92	2.78
I.BLK	I.BLK	11/18/2024	18:08	PL093133.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/18/2024	18:21	PL093134.D	7.92	2.78
I.BLK	I.BLK	11/19/2024	12:44	PL093136.D	7.91	2.77
PEM	PEM	11/19/2024	12:57	PL093137.D	7.91	2.77
PSTDCCC050	PSTDCCC050	11/19/2024	13:25	PL093138.D	7.91	2.77
PB165046BS	PB165046BS	11/19/2024	13:52	PL093139.D	7.91	2.77
PB165046BL	PB165046BL	11/19/2024	14:05	PL093140.D	7.91	2.77
DUP-01	P4860-01	11/19/2024	14:18	PL093141.D	7.91	2.77
PH2-BOT-001	P4860-02	11/19/2024	14:31	PL093142.D	7.91	2.77
PH2-BOT-006	P4860-09	11/19/2024	14:44	PL093143.D	7.91	2.77
PH2-BOT-005	P4860-10	11/19/2024	14:57	PL093144.D	7.91	2.77
PH2-BOT-008	P4860-07	11/19/2024	15:11	PL093145.D	7.91	2.77
PH2-BOT-007	P4860-08	11/19/2024	15:24	PL093146.D	7.91	2.77
PH2-BOT-007MS	P4860-08MS	11/19/2024	15:37	PL093147.D	7.91	2.77
PH2-BOT-007MSD	P4860-08MSD	11/19/2024	15:50	PL093148.D	7.91	2.77
I.BLK	I.BLK	11/19/2024	16:43	PL093152.D	7.91	2.77
PSTDCCC050	PSTDCCC050	11/19/2024	16:56	PL093153.D	7.91	2.77

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DUP-01

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Lab Sample ID: P4860-01 **Date(s) Analyzed:** 11/19/2024 11/19/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	0.20	28.1
	2	5.79	5.74	5.84	0.26	
4,4'-DDE	1	6.19	6.14	6.24	0.19	47.2
	2	5.23	5.18	5.28	0.31	
gamma-Chlordane	1	5.94	5.89	5.99	0.37	60.9
	2	4.98	4.93	5.03	0.20	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB165046BS

Contract: CORN02
Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860
Lab Sample ID: PB165046BS **Date(s) Analyzed:** 11/19/2024 11/19/2024
Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L
GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	15.4	12.2
	2	6.61	6.56	6.66	17.4	
Endrin ketone	1	7.64	7.59	7.69	15.5	9.8
	2	6.84	6.79	6.89	17.1	
alpha-BHC	1	3.99	3.94	4.04	16.7	1.8
	2	3.28	3.23	3.33	17.0	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	16.2	3
	2	3.61	3.56	3.66	16.7	
Heptachlor	1	4.91	4.86	4.96	16.5	9.2
	2	3.95	3.90	4.00	18.1	
Aldrin	1	5.26	5.21	5.31	15.5	5.6
	2	4.23	4.18	4.28	16.4	
beta-BHC	1	4.52	4.47	4.57	16.2	5.4
	2	3.91	3.86	3.96	17.1	
delta-BHC	1	4.77	4.72	4.82	14.4	3.5
	2	4.14	4.09	4.19	13.9	
Heptachlor epoxide	1	5.68	5.63	5.73	15.5	9.2
	2	4.73	4.68	4.78	17.0	
Endosulfan I	1	6.07	6.02	6.12	15.9	10.7
	2	5.10	5.05	5.15	17.7	
gamma-Chlordane	1	5.94	5.89	5.99	15.9	11.3
	2	4.98	4.93	5.03	17.8	
alpha-Chlordane	1	6.02	5.97	6.07	16.1	9.5
	2	5.04	4.99	5.09	17.7	
4,4'-DDE	1	6.19	6.14	6.24	16.2	11.1
	2	5.23	5.18	5.28	18.1	
Dieldrin	1	6.34	6.29	6.39	16.0	9.5
	2	5.36	5.31	5.41	17.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB165046BS

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Lab Sample ID: PB165046BS **Date(s) Analyzed:** 11/19/2024 11/19/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin	1	6.57	6.52	6.62	15.6	18.1
	2	5.64	5.59	5.69	18.7	
Endosulfan II	1	6.79	6.74	6.84	15.2	15.8
	2	5.93	5.88	5.98	17.8	
4,4'-DDD	1	6.71	6.66	6.76	15.6	14.8
	2	5.79	5.74	5.84	18.1	
4,4'-DDT	1	7.02	6.97	7.07	16.4	7.1
	2	6.04	5.99	6.09	17.6	
Endrin aldehyde	1	6.92	6.87	6.97	15.0	11.3
	2	6.11	6.06	6.16	16.8	
Endosulfan sulfate	1	7.16	7.11	7.21	14.8	12.7
	2	6.34	6.29	6.39	16.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PH2-BOT-001

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Lab Sample ID: P4860-02 **Date(s) Analyzed:** 11/19/2024 11/19/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	1.30	40.8
	2	5.79	5.74	5.84	0.86	
4,4'-DDT	1	7.03	6.98	7.08	2.10	92.7
	2	6.03	5.98	6.08	0.77	
4,4'-DDE	1	6.19	6.14	6.24	0.62	5.8
	2	5.23	5.18	5.28	0.58	
gamma-Chlordane	1	5.94	5.89	5.99	6.50	102.3
	2	4.98	4.93	5.03	2.10	
alpha-Chlordane	1	6.02	5.97	6.07	2.60	73.7
	2	5.04	4.99	5.09	1.20	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PH2-BOT-002

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Lab Sample ID: P4860-03 **Date(s) Analyzed:** 11/18/2024 11/18/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	1.20	0
	2	5.79	5.74	5.84	1.20	
4,4'-DDT	1	7.03	6.98	7.08	2.40	97.3
	2	6.03	5.98	6.08	0.83	
4,4'-DDE	1	6.19	6.14	6.24	1.00	47.5
	2	5.23	5.18	5.28	0.62	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PH2-BOT-003

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Lab Sample ID: P4860-04 **Date(s) Analyzed:** 11/18/2024 11/18/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	0.53	36.4
	2	5.79	5.74	5.84	0.37	
4,4'-DDT	1	7.03	6.98	7.08	0.32	6.1
	2	6.03	5.98	6.08	0.34	
alpha-Chlordane	1	6.02	5.97	6.07	1.50	22.2
	2	5.04	4.99	5.09	1.20	
gamma-Chlordane	1	5.94	5.89	5.99	1.20	45.2
	2	4.98	4.93	5.03	0.76	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PH2-BOT-004

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Lab Sample ID: P4860-05 **Date(s) Analyzed:** 11/18/2024 11/18/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	0.97	6.1
	2	5.79	5.74	5.84	0.91	
4,4'-DDT	1	7.02	6.97	7.07	2.20	4.7
	2	6.04	5.99	6.09	2.10	
gamma-Chlordane	1	5.94	5.89	5.99	0.42	14.8
	2	4.98	4.93	5.03	0.36	
alpha-Chlordane	1	6.02	5.97	6.07	0.65	54.3
	2	5.04	4.99	5.09	0.37	
4,4'-DDE	1	6.19	6.14	6.24	0.17	4.2
	2	5.23	5.18	5.28	0.16	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PH2-BOT-007

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Lab Sample ID: P4860-08 **Date(s) Analyzed:** 11/19/2024 11/19/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	1.00	11.9
	2	5.78	5.73	5.83	0.89	
4,4'-DDT	1	7.03	6.98	7.08	1.70	126.3
	2	6.03	5.98	6.08	0.38	
4,4'-DDE	1	6.19	6.14	6.24	0.48	5.9
	2	5.23	5.18	5.28	0.45	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PH2-BOT-007MS

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Lab Sample ID: P4860-08MS **Date(s) Analyzed:** 11/19/2024 11/19/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	15.1	11.2
	2	5.93	5.88	5.98	16.9	
4,4'-DDD	1	6.71	6.66	6.76	15.6	12.6
	2	5.79	5.74	5.84	17.7	
4,4'-DDT	1	7.02	6.97	7.07	17.1	1.7
	2	6.04	5.99	6.09	17.4	
alpha-BHC	1	3.99	3.94	4.04	15.8	1.9
	2	3.28	3.23	3.33	16.1	
Aldrin	1	5.26	5.21	5.31	15.0	9.5
	2	4.23	4.18	4.28	16.5	
beta-BHC	1	4.52	4.47	4.57	15.9	6.1
	2	3.91	3.86	3.96	16.9	
delta-BHC	1	4.77	4.72	4.82	12.9	4.5
	2	4.14	4.09	4.19	13.5	
Endosulfan I	1	6.07	6.02	6.12	15.1	5.8
	2	5.10	5.05	5.15	16.0	
alpha-Chlordane	1	6.02	5.97	6.07	15.5	11.6
	2	5.04	4.99	5.09	17.4	
4,4'-DDE	1	6.19	6.14	6.24	15.8	12.5
	2	5.23	5.18	5.28	17.9	
Dieldrin	1	6.34	6.29	6.39	15.0	13.1
	2	5.36	5.31	5.41	17.1	
Endrin aldehyde	1	6.92	6.87	6.97	14.0	11.4
	2	6.11	6.06	6.16	15.7	
Endosulfan sulfate	1	7.16	7.11	7.21	14.3	10.6
	2	6.34	6.29	6.39	15.9	
Methoxychlor	1	7.50	7.45	7.55	14.8	12.7
	2	6.61	6.56	6.66	16.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PH2-BOT-007MS

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Lab Sample ID: P4860-08MS **Date(s) Analyzed:** 11/19/2024 11/19/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.64	7.59	7.69	14.9	7.7
	2	6.84	6.79	6.89	16.1	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.6	1.9
	2	3.61	3.56	3.66	15.9	
Heptachlor	1	4.91	4.86	4.96	16.0	6.1
	2	3.95	3.90	4.00	17.0	
Heptachlor epoxide	1	5.68	5.63	5.73	15.1	8.9
	2	4.73	4.68	4.78	16.5	
gamma-Chlordane	1	5.94	5.89	5.99	15.7	9.1
	2	4.98	4.93	5.03	17.2	
Endrin	1	6.57	6.52	6.62	15.2	15.8
	2	5.64	5.59	5.69	17.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PH2-BOT-007MSD

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Lab Sample ID: P4860-08MSD **Date(s) Analyzed:** 11/19/2024 11/19/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	15.4	8.7
	2	5.93	5.88	5.98	16.8	
4,4'-DDD	1	6.71	6.66	6.76	15.8	13
	2	5.79	5.74	5.84	18.0	
4,4'-DDT	1	7.02	6.97	7.07	17.0	3.5
	2	6.04	5.99	6.09	17.6	
Endrin aldehyde	1	6.92	6.87	6.97	14.0	10.2
	2	6.11	6.06	6.16	15.5	
Endosulfan sulfate	1	7.16	7.11	7.21	14.3	11.2
	2	6.34	6.29	6.39	16.0	
Methoxychlor	1	7.50	7.45	7.55	14.7	12.1
	2	6.61	6.56	6.66	16.6	
Endrin ketone	1	7.64	7.59	7.69	14.9	7.1
	2	6.84	6.79	6.89	16.0	
alpha-BHC	1	3.99	3.94	4.04	15.6	1.9
	2	3.28	3.23	3.33	15.9	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	15.4	1.3
	2	3.61	3.56	3.66	15.6	
Heptachlor	1	4.91	4.86	4.96	15.9	4.9
	2	3.95	3.90	4.00	16.7	
Aldrin	1	5.26	5.21	5.31	14.9	8.4
	2	4.23	4.18	4.28	16.2	
beta-BHC	1	4.52	4.47	4.57	15.6	6.2
	2	3.91	3.86	3.96	16.6	
delta-BHC	1	4.77	4.72	4.82	12.8	3.8
	2	4.14	4.09	4.19	13.3	
Heptachlor epoxide	1	5.68	5.63	5.73	15.1	7.6
	2	4.73	4.68	4.78	16.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PH2-BOT-007MSD

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Lab Sample ID: P4860-08MSD **Date(s) Analyzed:** 11/19/2024 11/19/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	15.1	0.7
	2	5.10	5.05	5.15	15.0	
gamma-Chlordane	1	5.94	5.89	5.99	15.7	7.4
	2	4.98	4.93	5.03	16.9	
alpha-Chlordane	1	6.02	5.97	6.07	15.4	9.9
	2	5.04	4.99	5.09	17.0	
4,4'-DDE	1	6.19	6.14	6.24	15.7	12.5
	2	5.23	5.18	5.28	17.8	
Dieldrin	1	6.34	6.29	6.39	14.9	13.2
	2	5.36	5.31	5.41	17.0	
Endrin	1	6.57	6.52	6.62	15.2	18.5
	2	5.64	5.59	5.69	18.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PH2-BOT-008

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Lab Sample ID: P4860-07 **Date(s) Analyzed:** 11/19/2024 11/19/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	2.10	40
	2	5.79	5.74	5.84	1.40	
4,4'-DDT	1	7.02	6.97	7.07	0.60	36.3
	2	6.03	5.98	6.08	0.87	
gamma-Chlordane	1	5.94	5.89	5.99	1.30	55.9
	2	4.98	4.93	5.03	0.73	
alpha-Chlordane	1	6.02	5.97	6.07	1.40	70.1
	2	5.04	4.99	5.09	0.67	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 14:18
Operator : AR\AJ
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
DUP-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:01:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.774	49665495	55914005	20.270m	20.548
28)	SA Decachlor...	9.054	7.913	33182893	53135966	17.242	19.469
	Target Compounds						
10)	B gamma-Chl...	5.939	4.977	2851546	1924534	1.072m	0.572m#
11)	B alpha-Chl...	6.018	5.040	2229383	1100976	0.842m	0.331m#
12)	B 4,4'-DDE	6.188	5.232	1295503	2877447	0.547m	0.893 #
16)	A 4,4'-DDD	6.709	5.791	1121988	1914841	0.585m	0.769m#

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

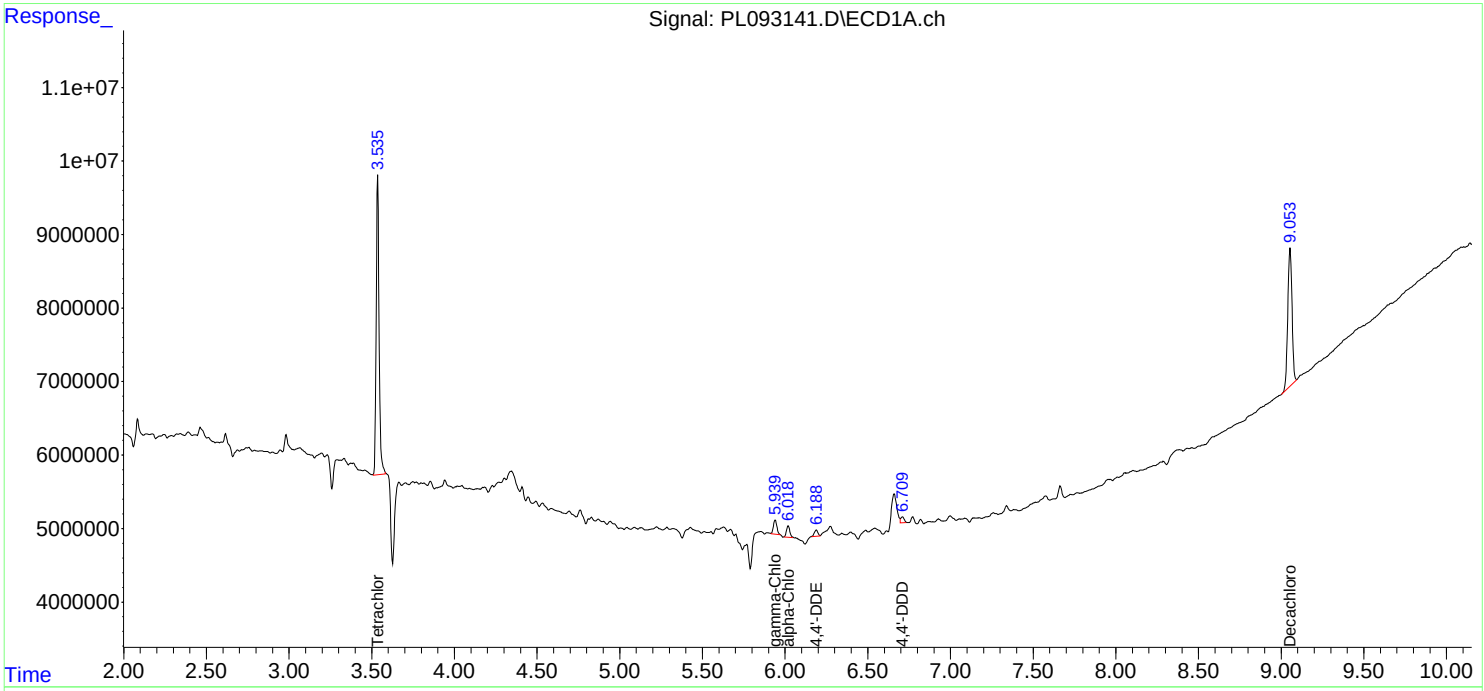
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 14:18
Operator : AR\AJ
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

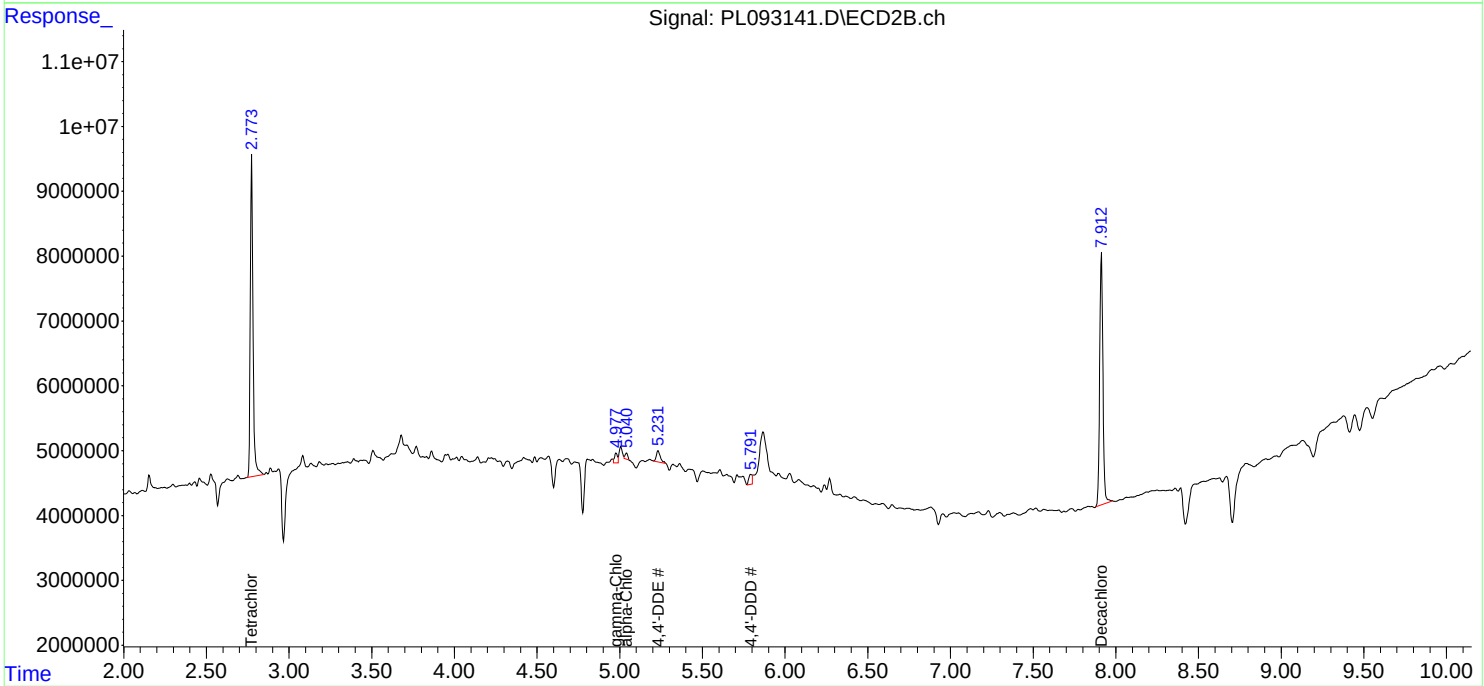
Instrument :
ECD_L
ClientSampleId :
DUP-01

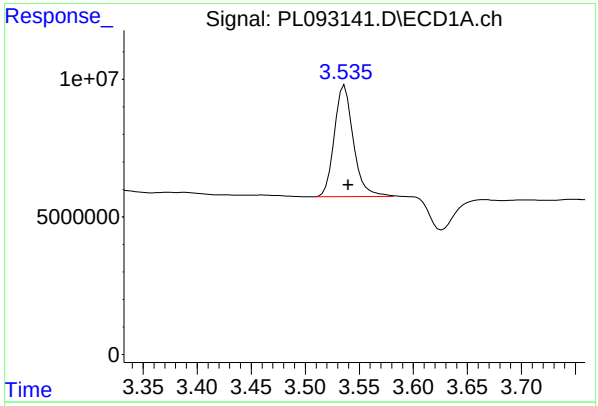
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:01:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







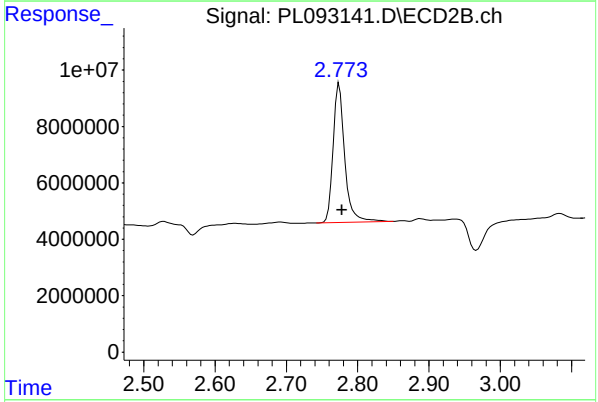
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.005 min
Response: 49665495
Conc: 20.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
DUP-01

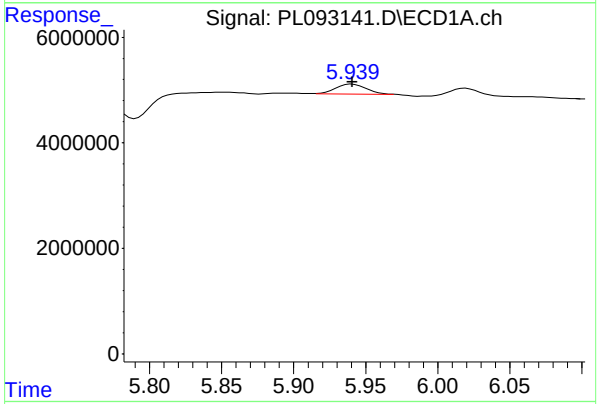
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024



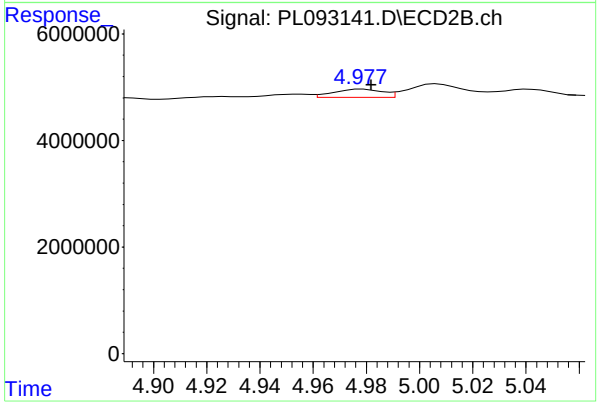
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.004 min
Response: 55914005
Conc: 20.55 ng/ml



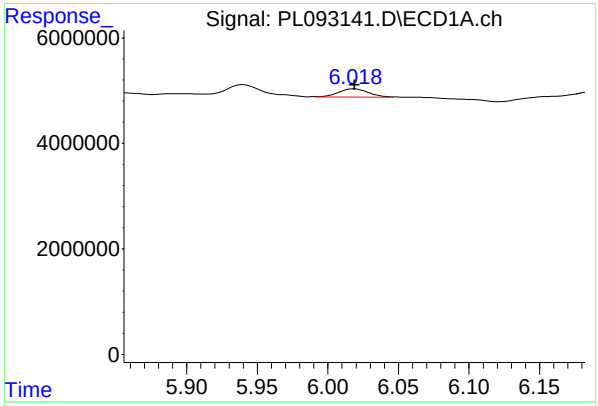
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.002 min
Response: 2851546
Conc: 1.07 ng/ml m



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: -0.005 min
Response: 1924534
Conc: 0.57 ng/ml m



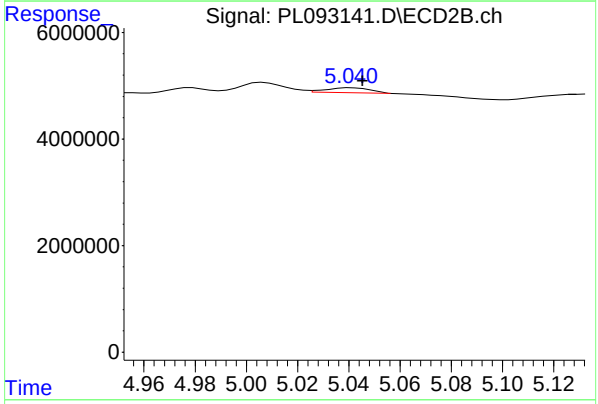
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: -0.002 min
Response: 2229383
Conc: 0.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
DUP-01

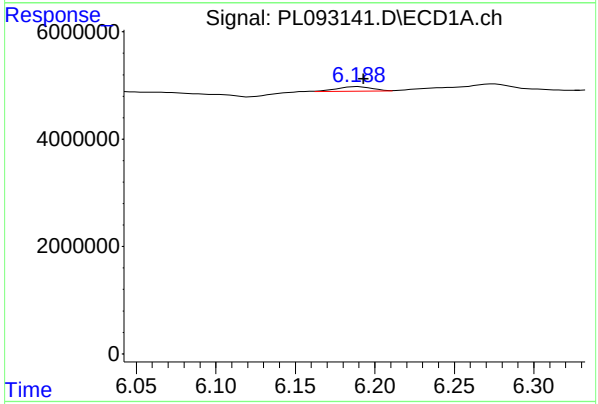
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024



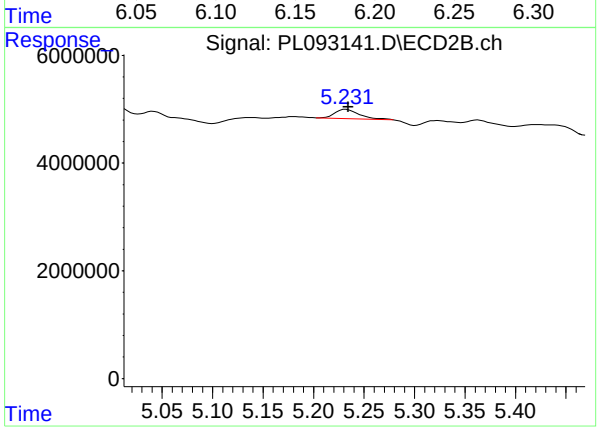
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: -0.006 min
Response: 1100976
Conc: 0.33 ng/ml m



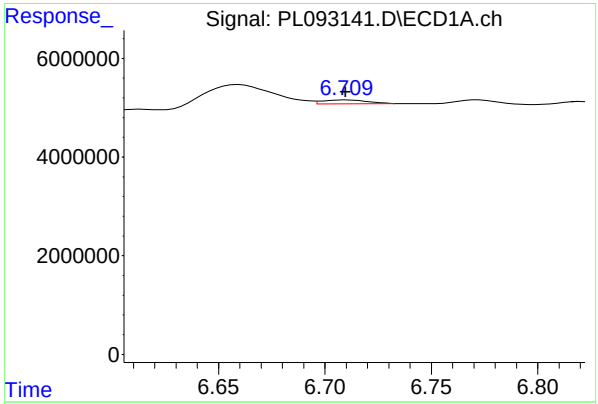
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.005 min
Response: 1295503
Conc: 0.55 ng/ml m



#12 4,4'-DDE

R.T.: 5.232 min
Delta R.T.: -0.003 min
Response: 2877447
Conc: 0.89 ng/ml

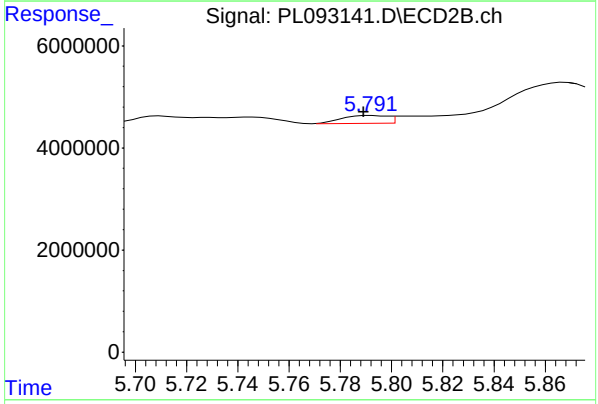


#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 1121988
Conc: 0.58 ng/ml

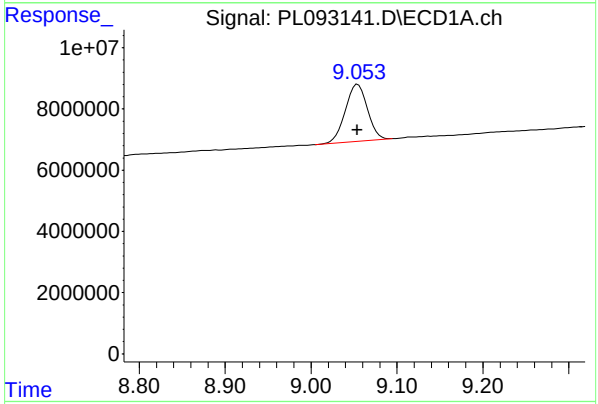
Instrument :
ECD_L
ClientSampleId :
DUP-01

Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024



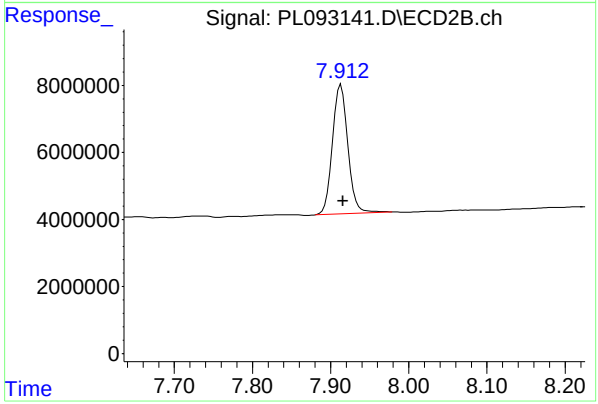
#16 4,4'-DDD

R.T.: 5.791 min
Delta R.T.: 0.002 min
Response: 1914841
Conc: 0.77 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 33182893
Conc: 17.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: -0.003 min
Response: 53135966
Conc: 19.47 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 14:31
Operator : AR\AJ
Sample : P4860-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-001

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:02:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.534	2.773	48680067	52487004	19.867m	19.288
28)	SA Decachlor...	9.054	7.913	35147082	53305010	18.262	19.531
	Target Compounds						
10)	B gamma-Chl...	5.943	4.977	50043080	20886193	18.809m	6.213m#
11)	B alpha-Chl...	6.018	5.039	19746392	11207102	7.457m	3.370m#
12)	B 4,4'-DDE	6.189	5.230	4241053	5437627	1.790	1.688m
13)	MA Dieldrin	6.340	5.362	1009730	3277069	0.383m	0.981m#
16)	A 4,4'-DDD	6.708	5.785	7385202	6229718	3.847m	2.502m#
17)	MA 4,4'-DDT	7.025	6.033	12770587	6005547	6.170m	2.239 #

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

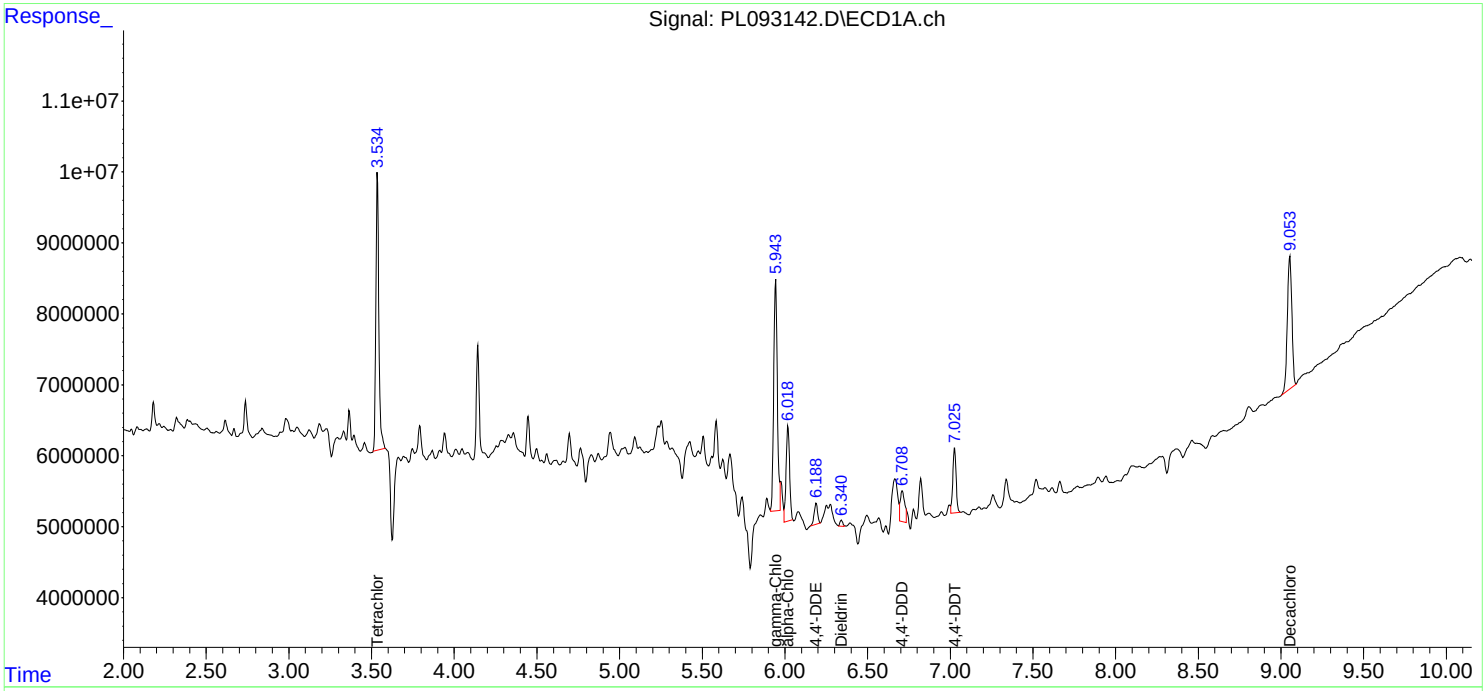
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 14:31
Operator : AR\AJ
Sample : P4860-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

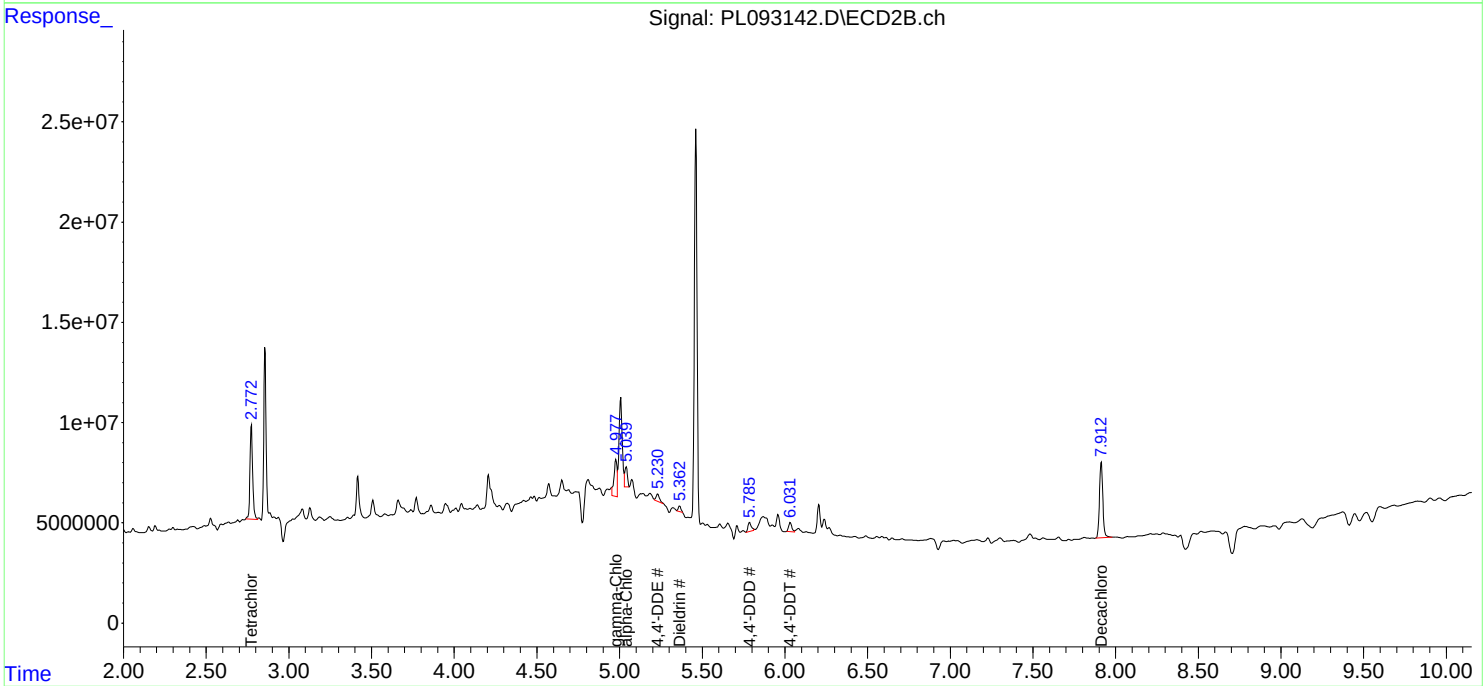
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:02:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

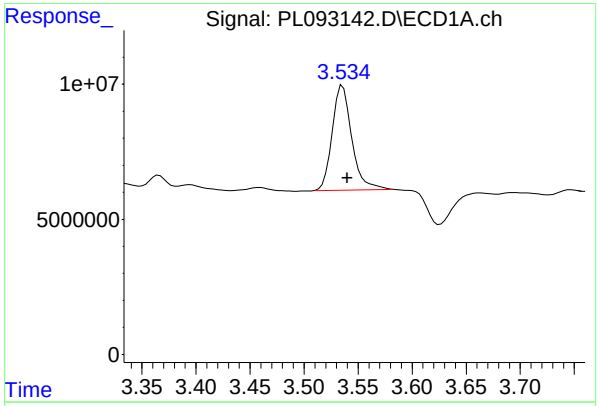
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-001

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024







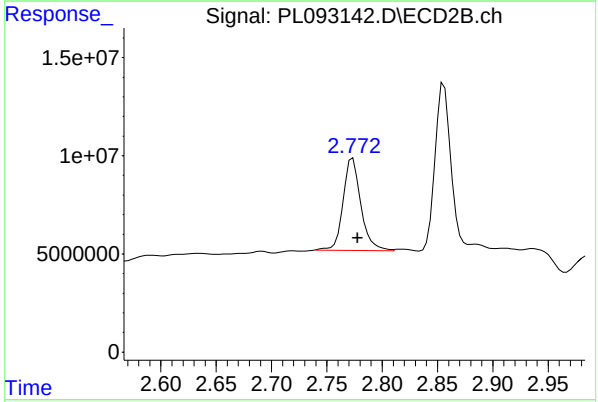
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.006 mi
Response: 48680067
Conc: 19.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-001

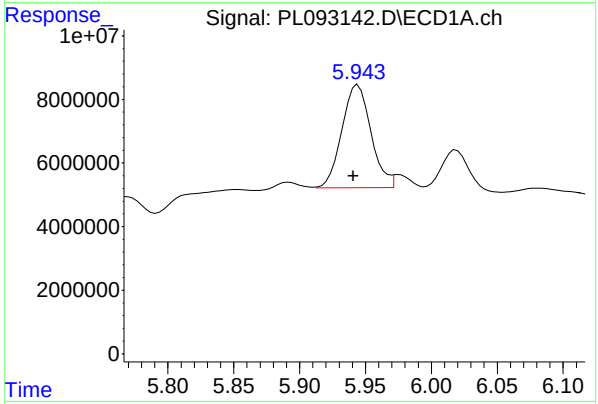
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024



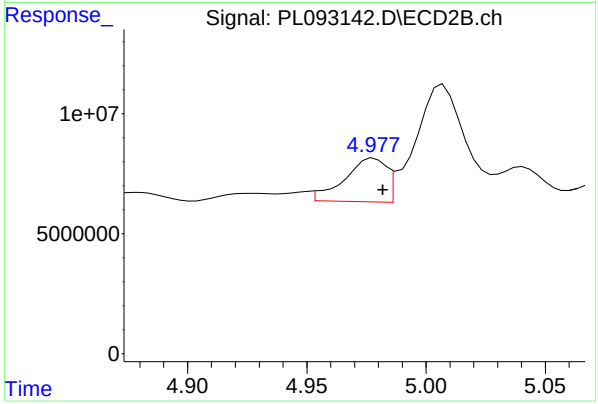
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: -0.004 min
Response: 52487004
Conc: 19.29 ng/ml



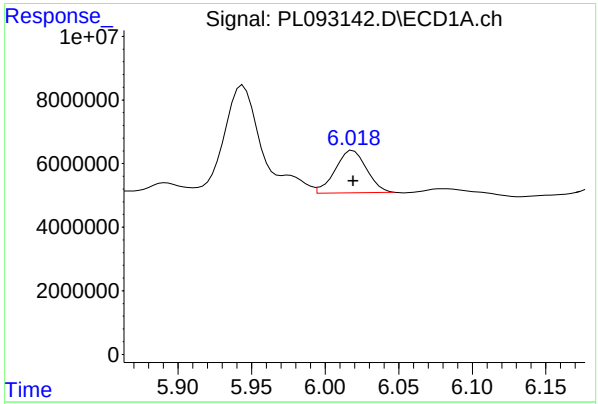
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.002 min
Response: 50043080
Conc: 18.81 ng/ml m



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: -0.005 min
Response: 20886193
Conc: 6.21 ng/ml m



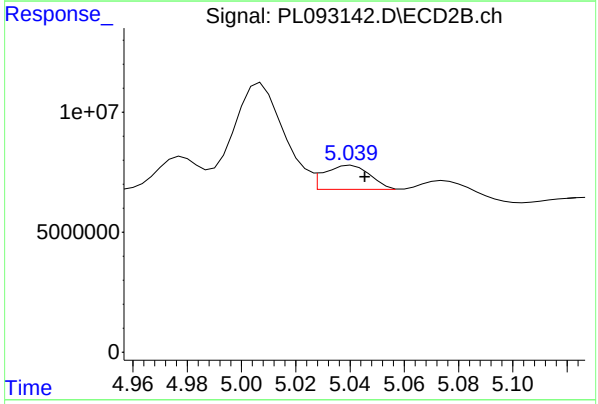
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: -0.002 mi
Response: 19746392
Conc: 7.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-001

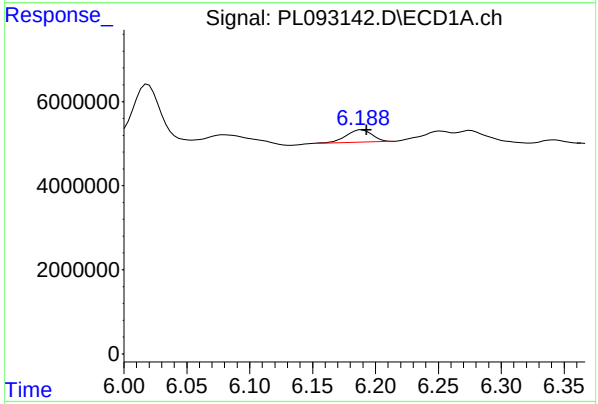
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024



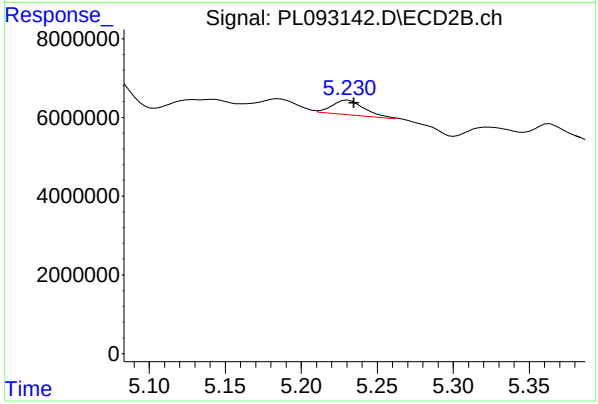
#11 alpha-Chlordane

R.T.: 5.039 min
Delta R.T.: -0.006 min
Response: 11207102
Conc: 3.37 ng/ml m



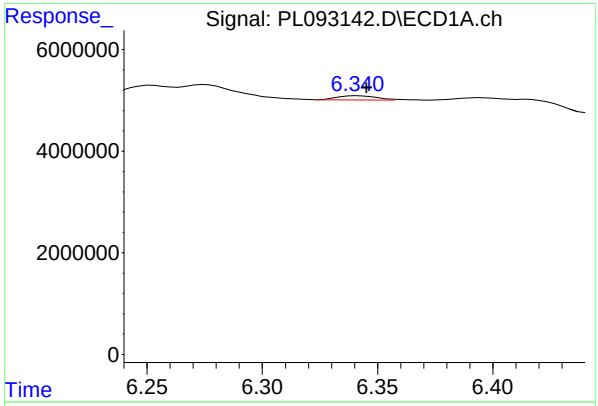
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 4241053
Conc: 1.79 ng/ml



#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: -0.005 min
Response: 5437627
Conc: 1.69 ng/ml m



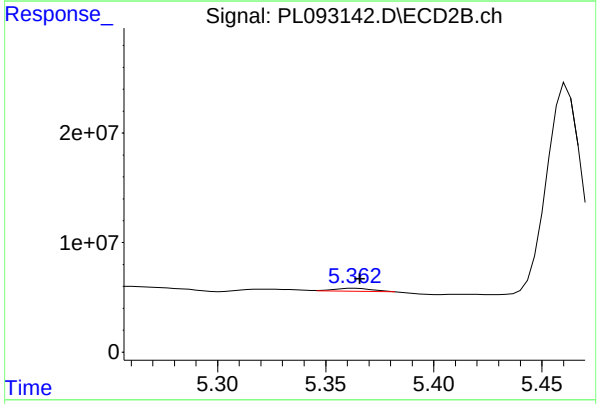
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.005 min
Response: 1009730
Conc: 0.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-001

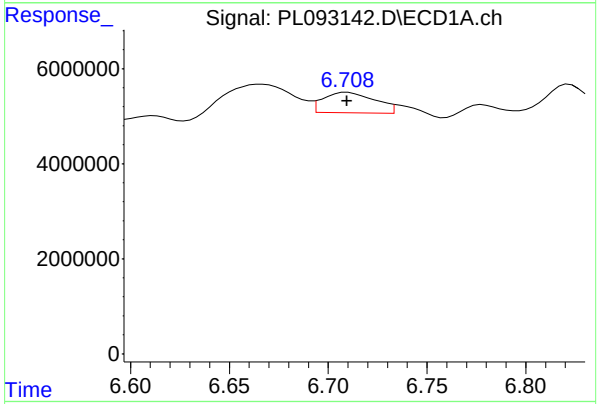
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024



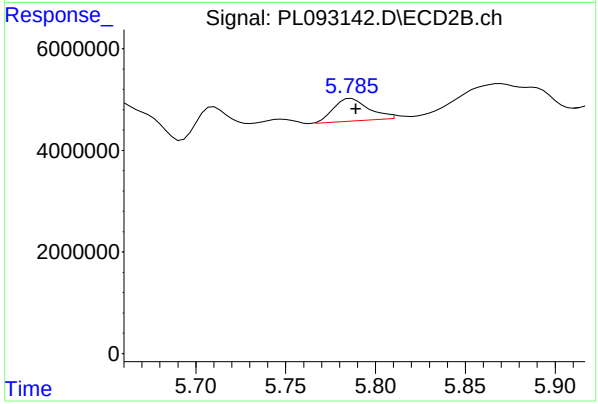
#13 Dieldrin

R.T.: 5.362 min
Delta R.T.: -0.004 min
Response: 3277069
Conc: 0.98 ng/ml m



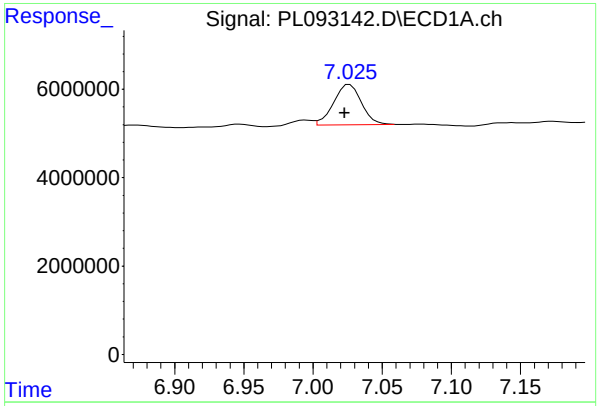
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.001 min
Response: 7385202
Conc: 3.85 ng/ml m



#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: -0.004 min
Response: 6229718
Conc: 2.50 ng/ml m



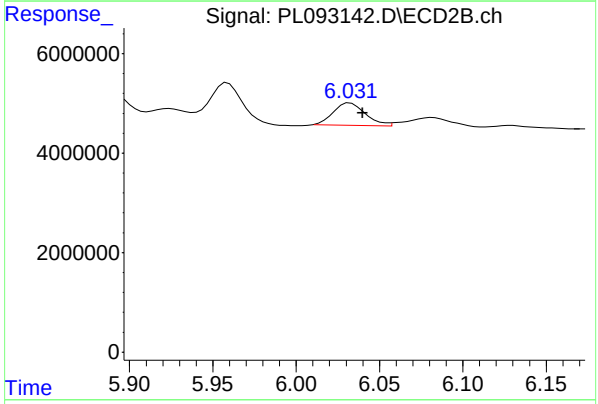
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.002 min
Response: 12770587
Conc: 6.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-001

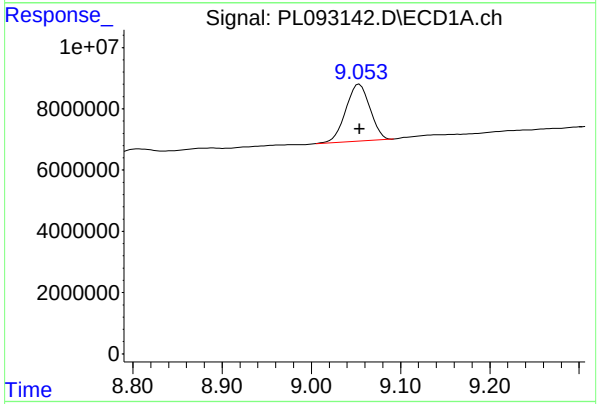
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024



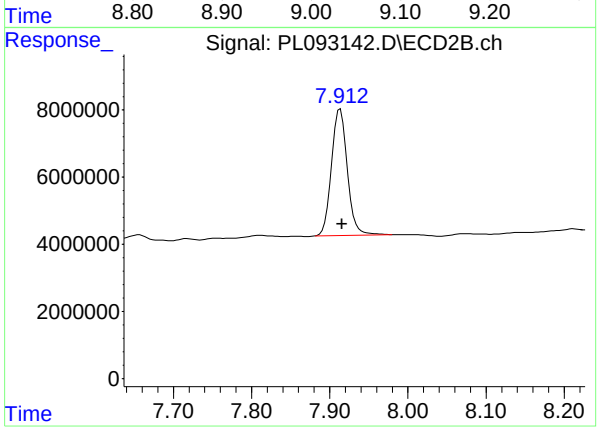
#17 4,4'-DDT

R.T.: 6.033 min
Delta R.T.: -0.007 min
Response: 6005547
Conc: 2.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 35147082
Conc: 18.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: -0.002 min
Response: 53305010
Conc: 19.53 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111824\
Data File : PL093107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Nov 2024 12:26
Operator : AR\AJ
Sample : P4860-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-002

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 01:25:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.776	60564452	59549026	24.718m	21.884m
28)	SA Decachlor...	9.055	7.914	38812196	50184984	20.167	18.388
	Target Compounds						
12)	B 4,4'-DDE	6.191	5.231	6971256	5781567	2.942	1.795m#
16)	A 4,4'-DDD	6.708	5.785	6704983	8974051	3.493m	3.604m
17)	MA 4,4'-DDT	7.026	6.034	14683903	6474724	7.095m	2.414 #

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

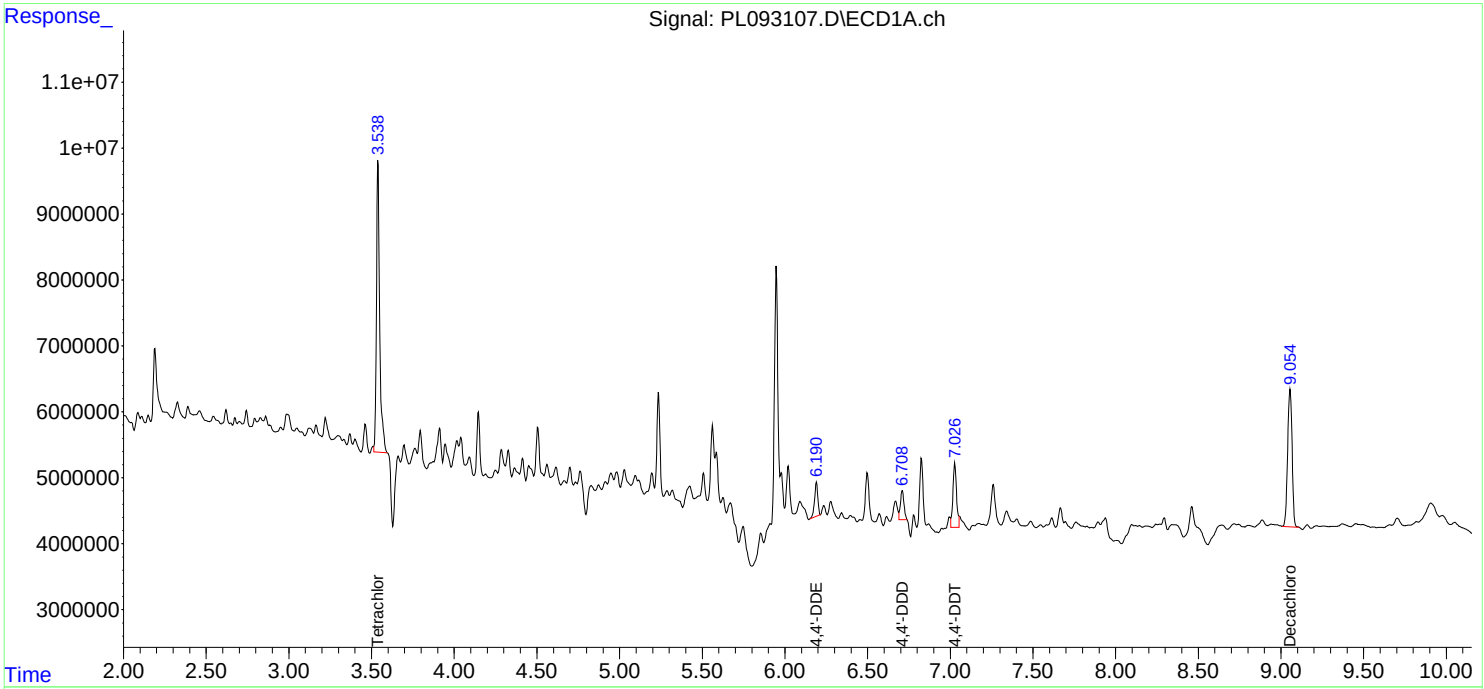
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111824\
Data File : PL093107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Nov 2024 12:26
Operator : AR\AJ
Sample : P4860-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

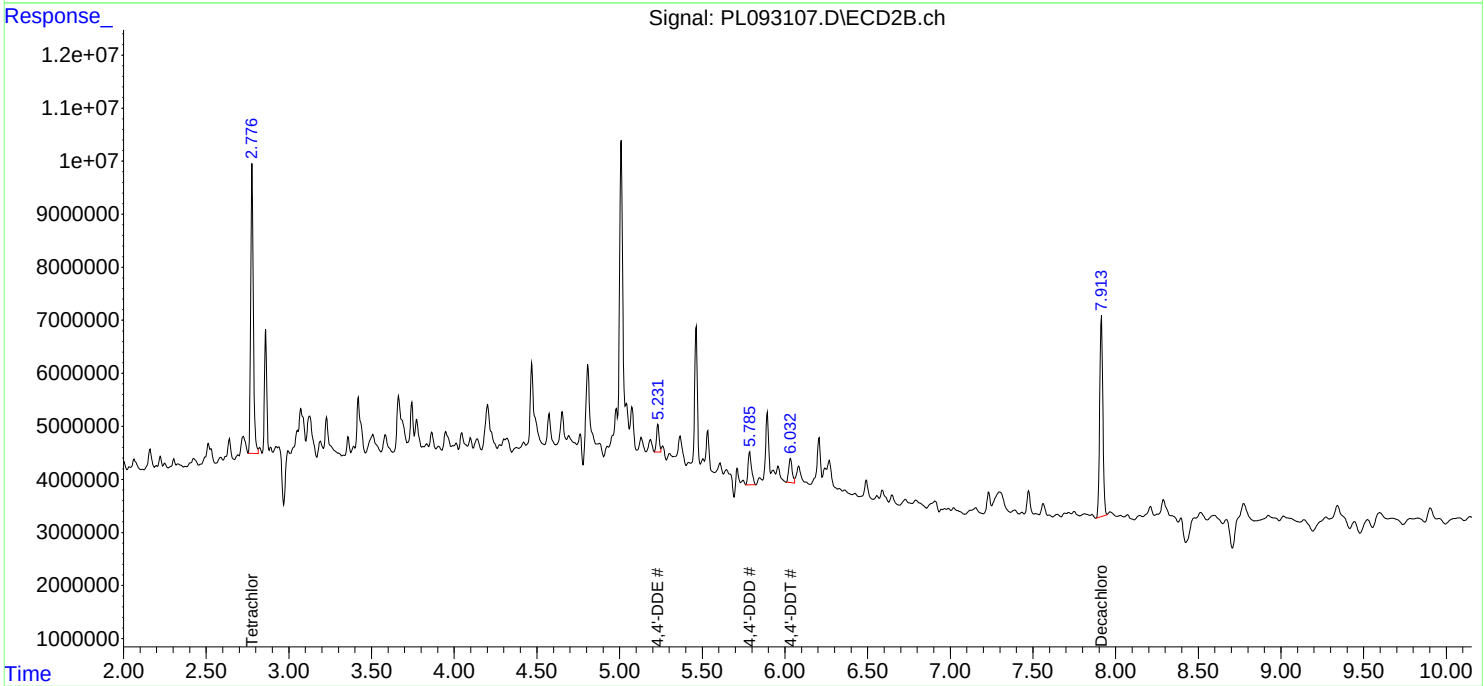
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 01:25:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

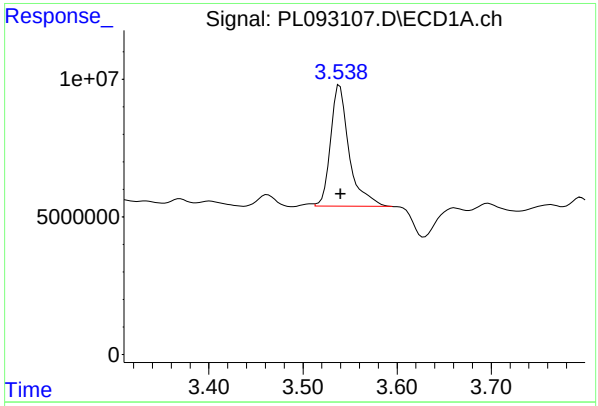
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-002

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024







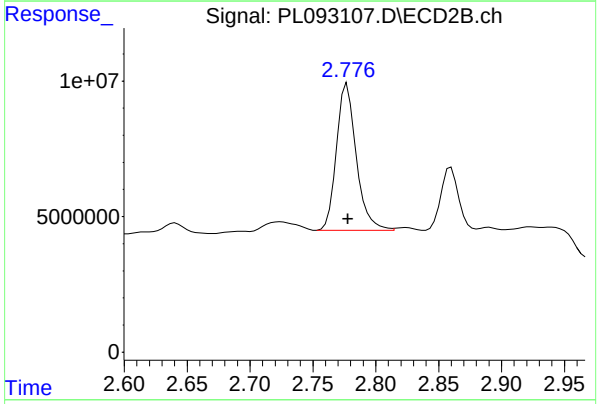
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.002 mi
Response: 60564452
Conc: 24.72 ng/m

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-002

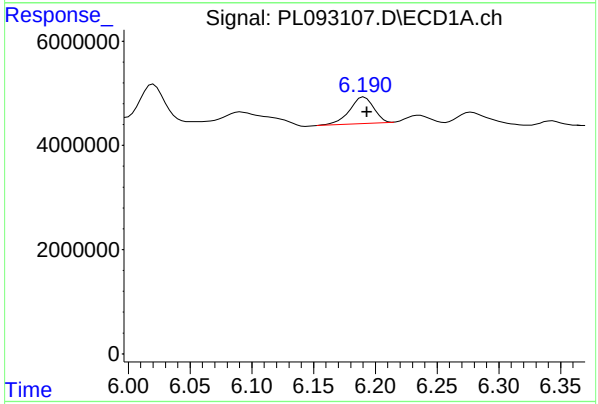
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024



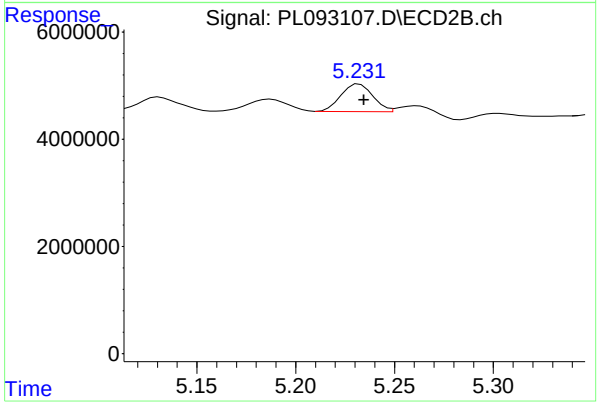
#1 Tetrachloro-m-xylene

R.T.: 2.776 min
Delta R.T.: -0.002 min
Response: 59549026
Conc: 21.88 ng/ml m



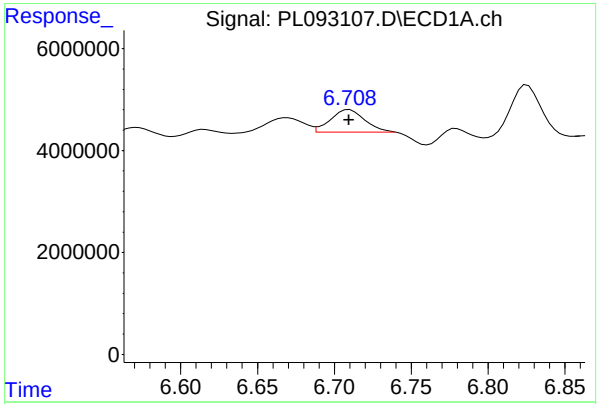
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 6971256
Conc: 2.94 ng/ml



#12 4,4'-DDE

R.T.: 5.231 min
Delta R.T.: -0.004 min
Response: 5781567
Conc: 1.79 ng/ml m



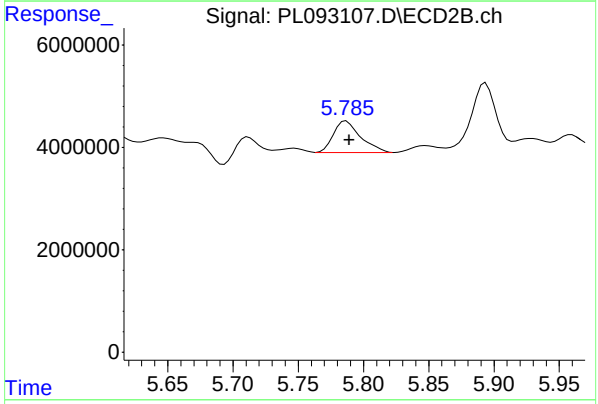
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.001 min
Response: 6704983
Conc: 3.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-002

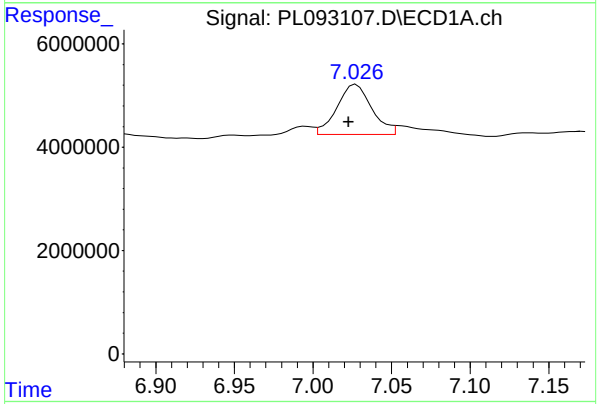
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024



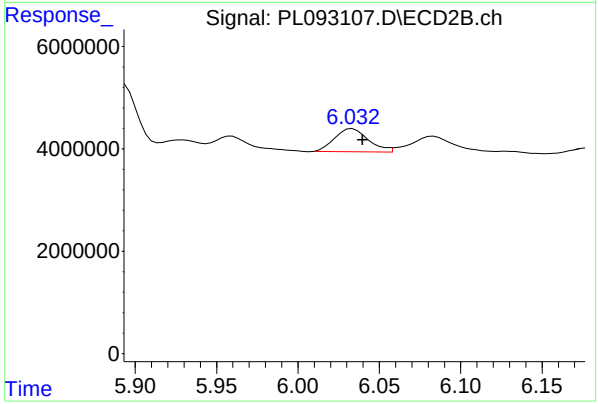
#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: -0.004 min
Response: 8974051
Conc: 3.60 ng/ml m



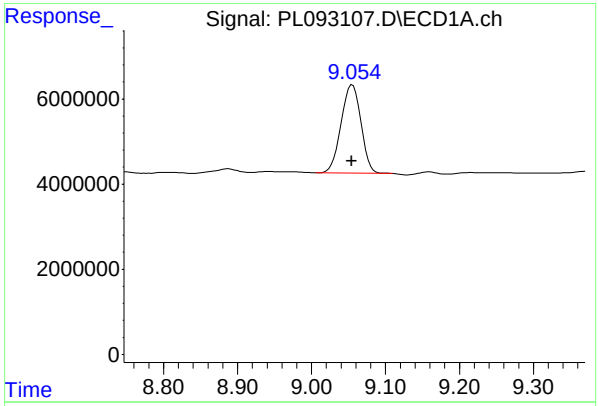
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.003 min
Response: 14683903
Conc: 7.09 ng/ml m



#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: -0.006 min
Response: 6474724
Conc: 2.41 ng/ml



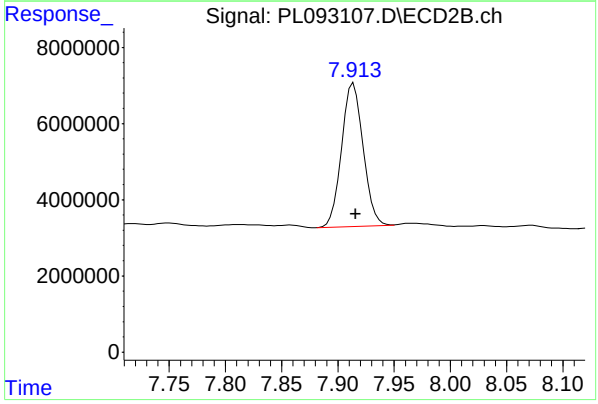
#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.001 min
Response: 38812196
Conc: 20.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-002

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024



#28 Decachlorobiphenyl

R.T.: 7.914 min
Delta R.T.: -0.002 min
Response: 50184984
Conc: 18.39 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111824\
Data File : PL093108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Nov 2024 12:39
Operator : AR\AJ
Sample : P4860-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-003

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 01:25:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.777	60015498	60671247	24.494m	22.296
28)	SA Decachlor...	9.054	7.915	45786658	54405353	23.791m	19.934
	Target Compounds						
10)	B gamma-Chl...	5.939	4.978	9742156	7485133	3.662m	2.227m#
11)	B alpha-Chl...	6.019	5.043	11490642	11659214	4.339m	3.505
16)	A 4,4'-DDD	6.709	5.786	2997803	2681900	1.562m	1.077m#
17)	MA 4,4'-DDT	7.026	6.033	1975907	2710176	0.955m	1.010m

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

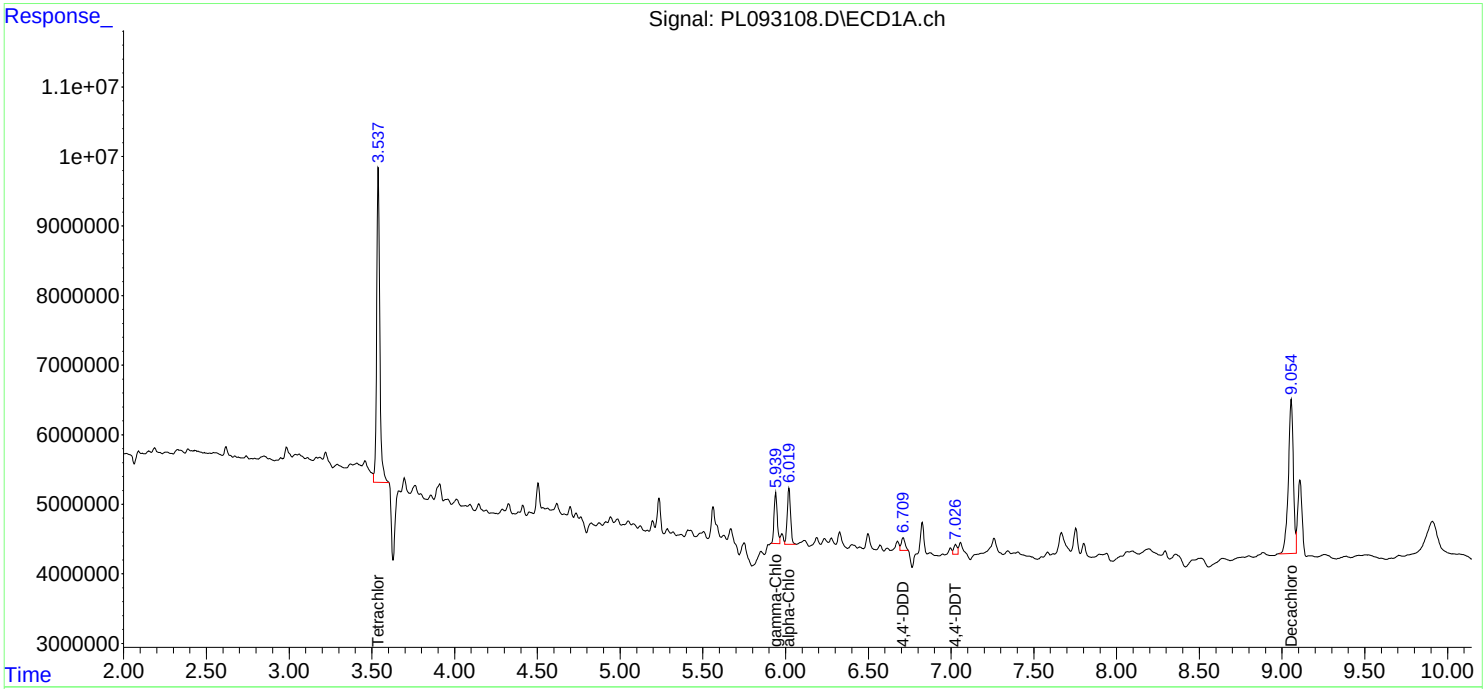
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111824\
Data File : PL093108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Nov 2024 12:39
Operator : AR\AJ
Sample : P4860-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

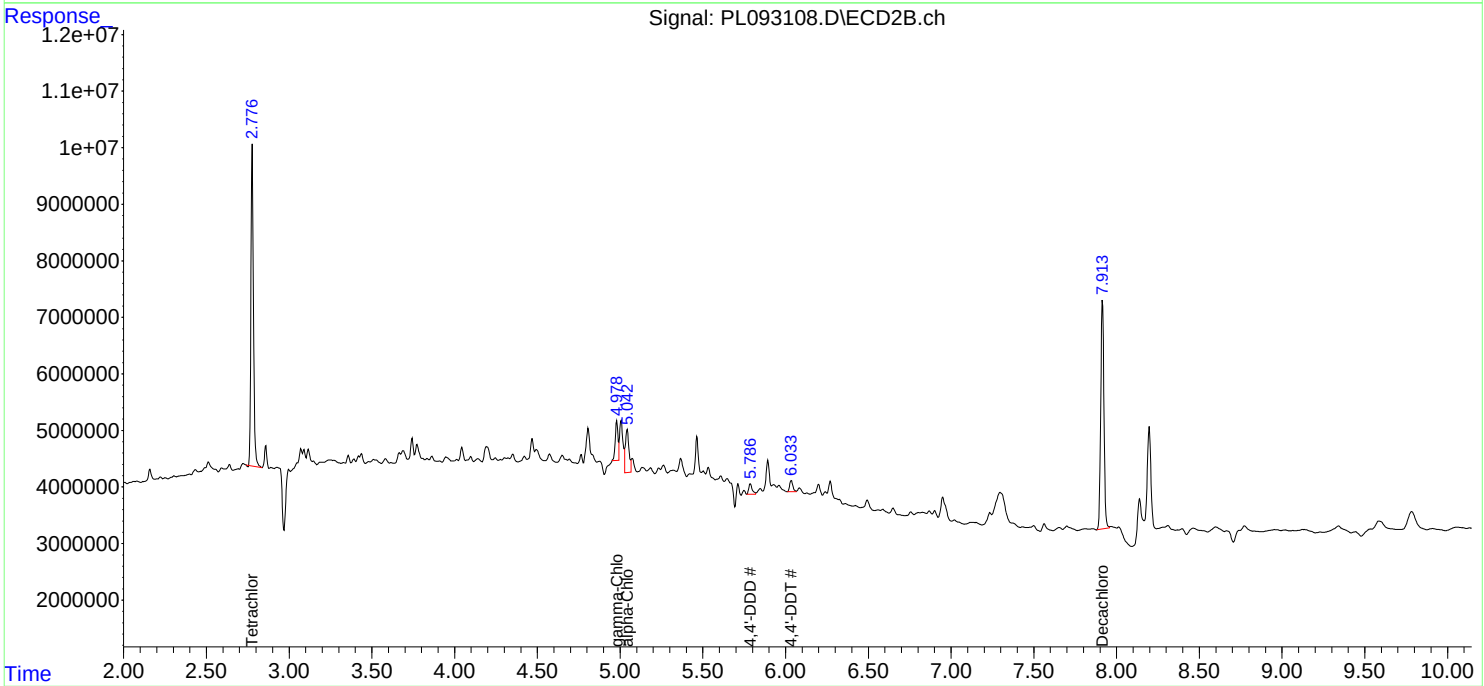
Instrument :
ECD_L
ClientSampleId :
PH2-BOT-003

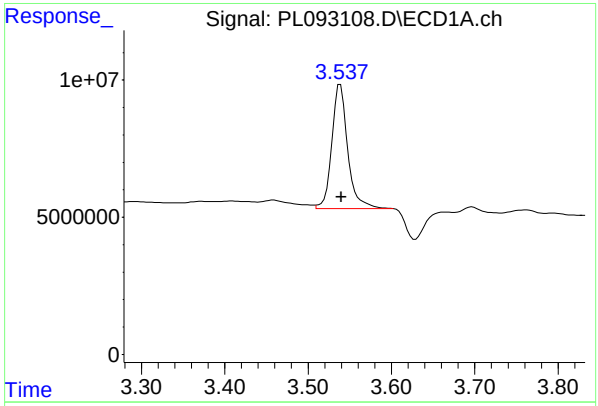
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 01:25:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







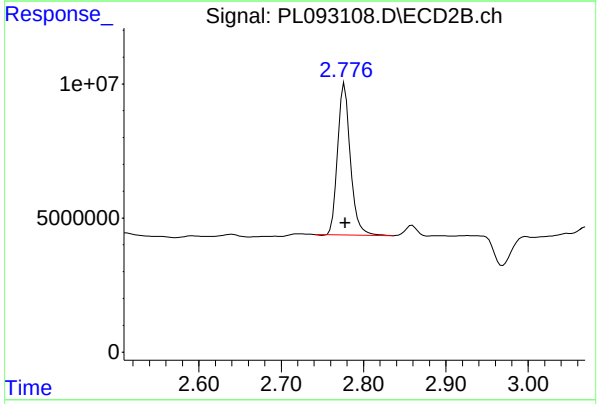
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: -0.003 mi
Response: 60015498
Conc: 24.49 ng/m

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-003

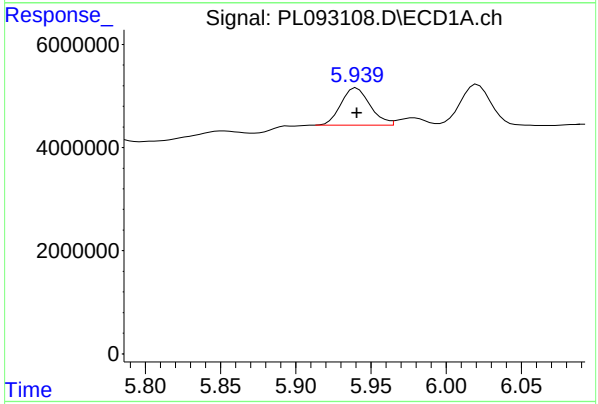
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024



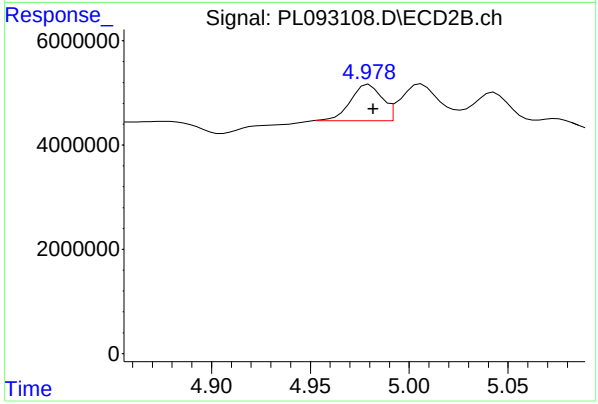
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 60671247
Conc: 22.30 ng/ml



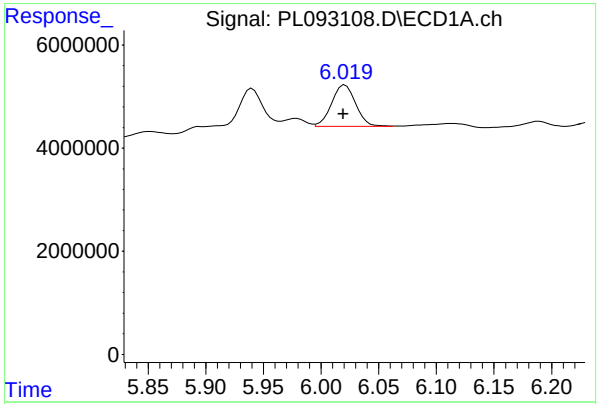
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.002 min
Response: 9742156
Conc: 3.66 ng/ml m



#10 gamma-Chlordane

R.T.: 4.978 min
Delta R.T.: -0.004 min
Response: 7485133
Conc: 2.23 ng/ml m



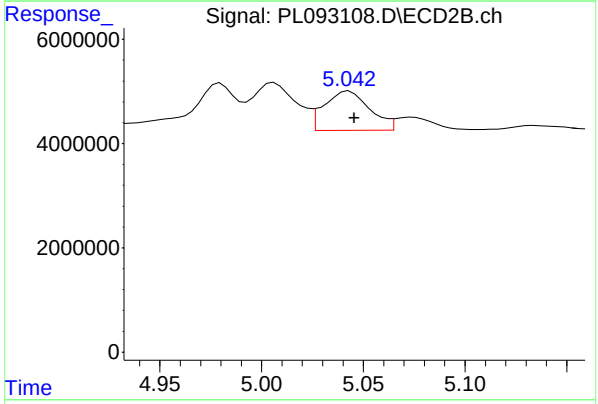
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.000 min
Response: 11490642
Conc: 4.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-003

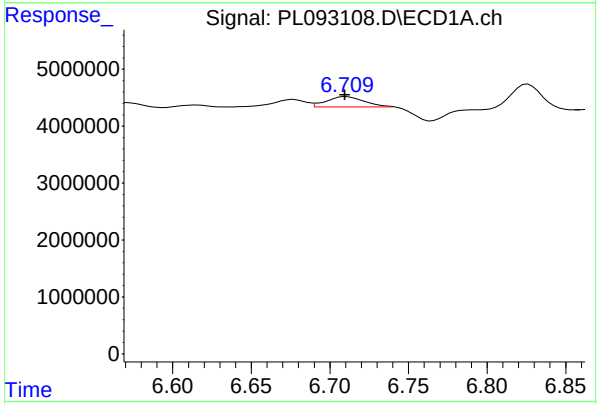
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024



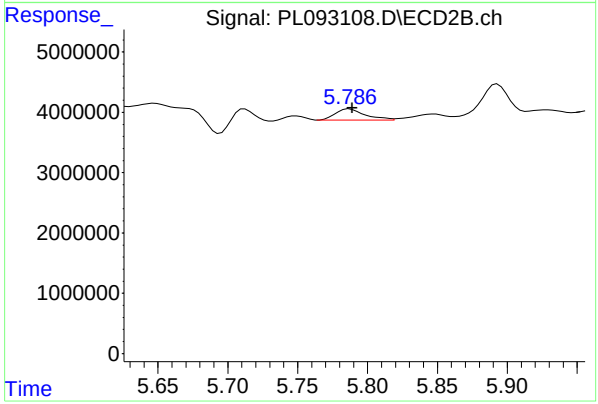
#11 alpha-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.002 min
Response: 11659214
Conc: 3.51 ng/ml



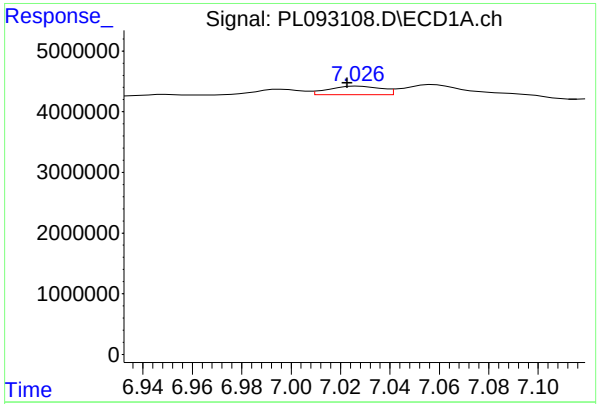
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.000 min
Response: 2997803
Conc: 1.56 ng/ml m



#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: -0.003 min
Response: 2681900
Conc: 1.08 ng/ml m



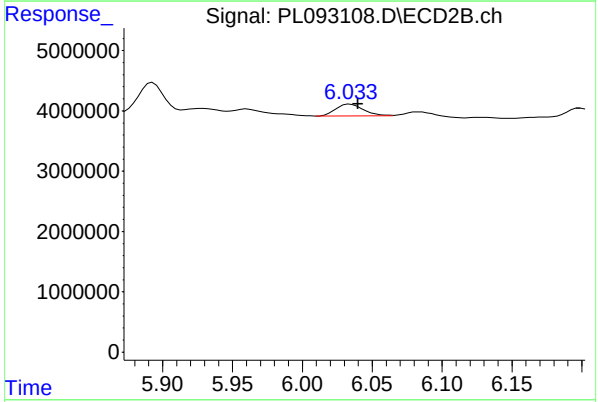
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.003 min
Response: 1975907
Conc: 0.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-003

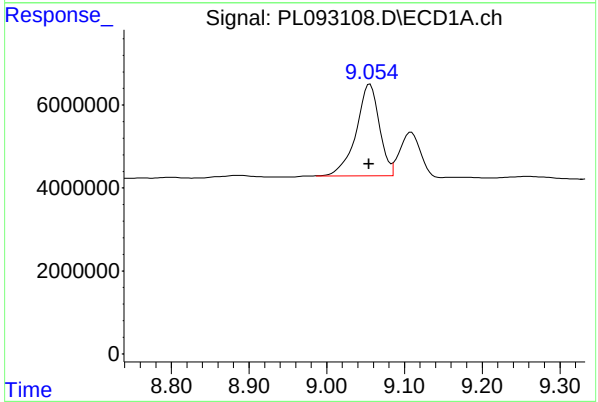
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024



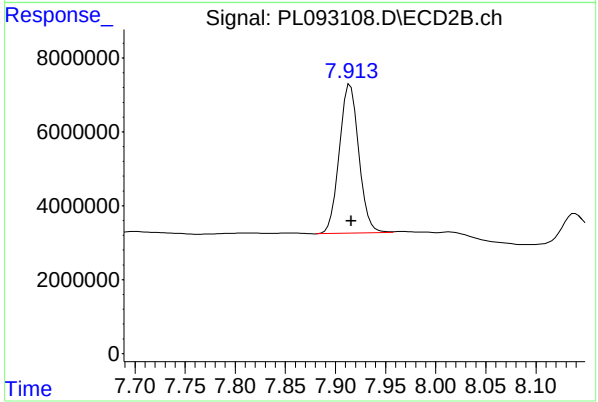
#17 4,4'-DDT

R.T.: 6.033 min
Delta R.T.: -0.007 min
Response: 2710176
Conc: 1.01 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 45786658
Conc: 23.79 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: -0.001 min
Response: 54405353
Conc: 19.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111824\
Data File : PL093109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Nov 2024 12:52
Operator : AR\AJ
Sample : P4860-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-004

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 01:26:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.778	57302054	60638790	23.386m	22.284
28)	SA Decachlor...	9.056	7.915	41951445	56758488	21.798	20.796
	Target Compounds						
10)	B gamma-Chl...	5.937	4.979	3269651	3549156	1.229m	1.056m
11)	B alpha-Chl...	6.020	5.042	5079786	3671019	1.918	1.104m#
12)	B 4,4'-DDE	6.189	5.231	1166346	1524860	0.492m	0.473m
16)	A 4,4'-DDD	6.708	5.786	5485737	6703865	2.858m	2.692m
17)	MA 4,4'-DDT	7.022	6.038	13169960	16891629	6.363m	6.298

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

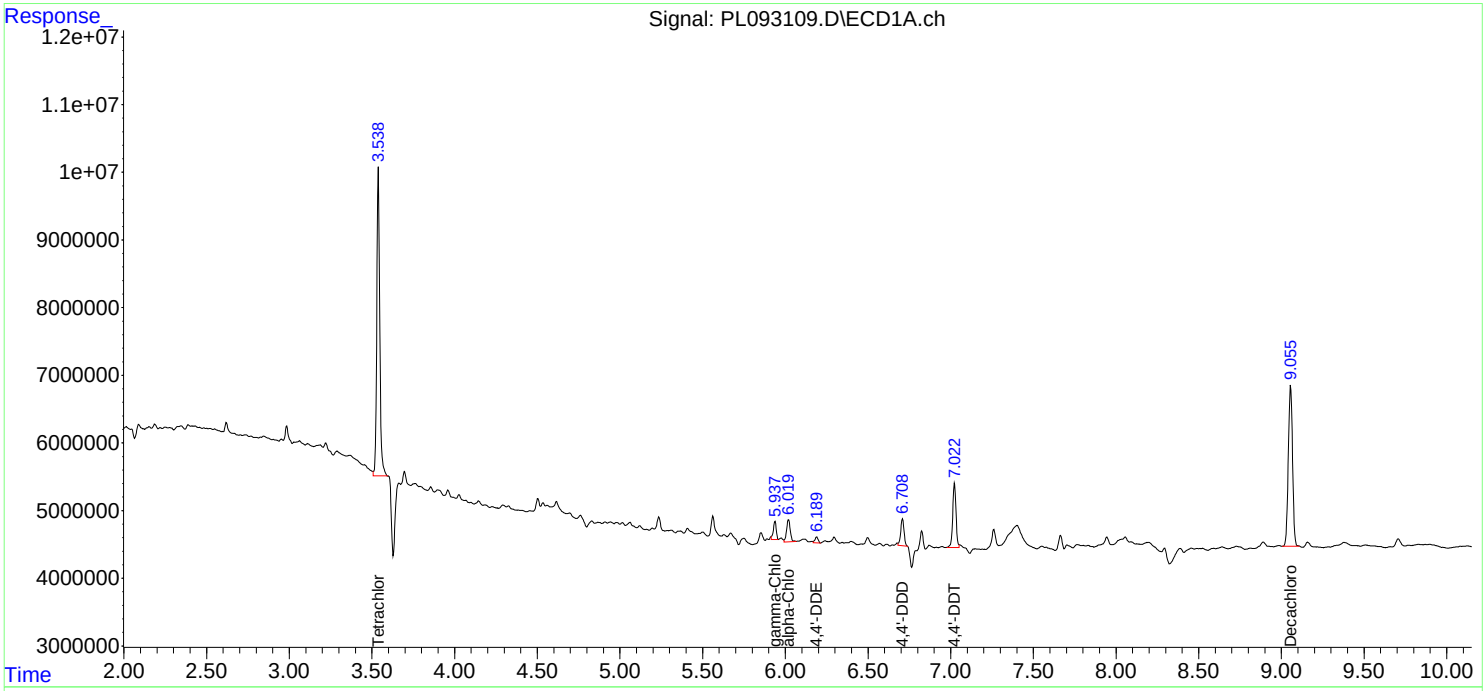
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111824\
Data File : PL093109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Nov 2024 12:52
Operator : AR\AJ
Sample : P4860-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

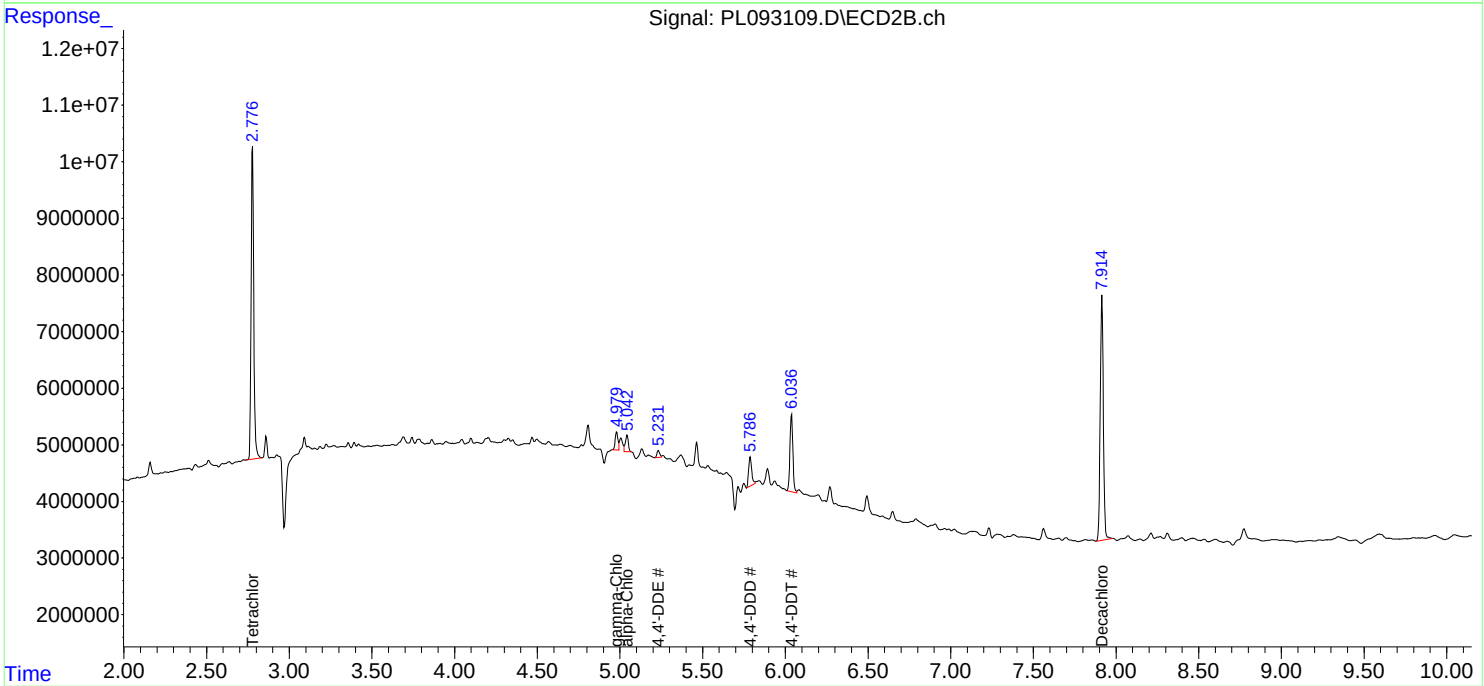
Instrument :
ECD_L
ClientSampleId :
PH2-BOT-004

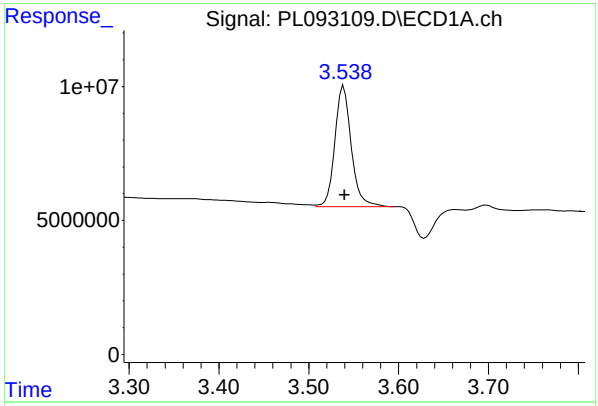
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 01:26:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







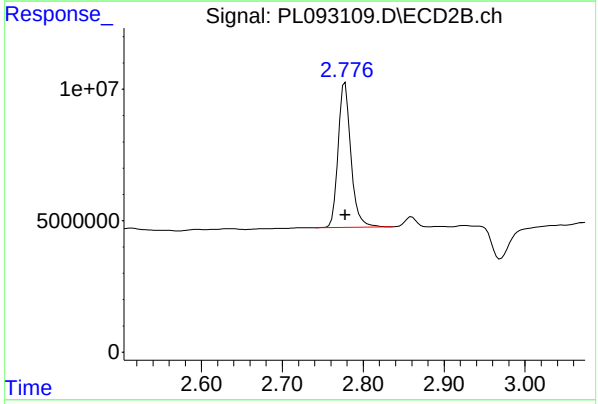
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.002 min
Response: 57302054
Conc: 23.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-004

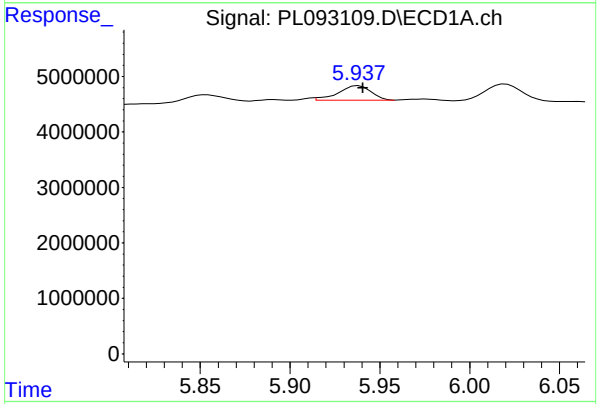
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024



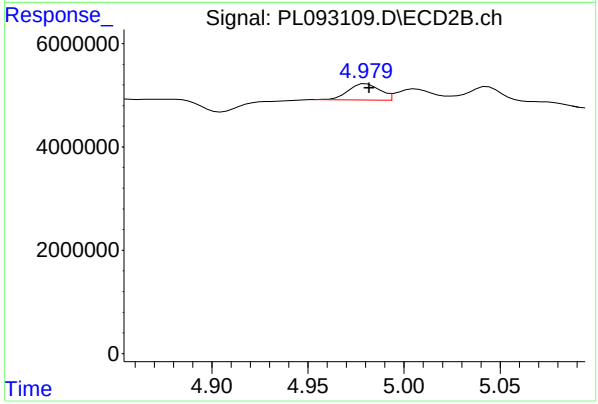
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 60638790
Conc: 22.28 ng/ml



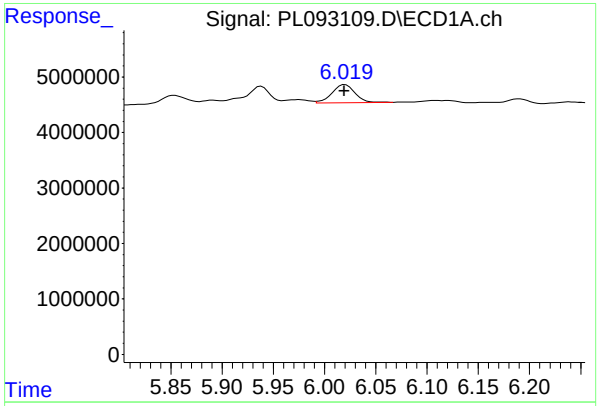
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.004 min
Response: 3269651
Conc: 1.23 ng/ml m



#10 gamma-Chlordane

R.T.: 4.979 min
Delta R.T.: -0.003 min
Response: 3549156
Conc: 1.06 ng/ml m



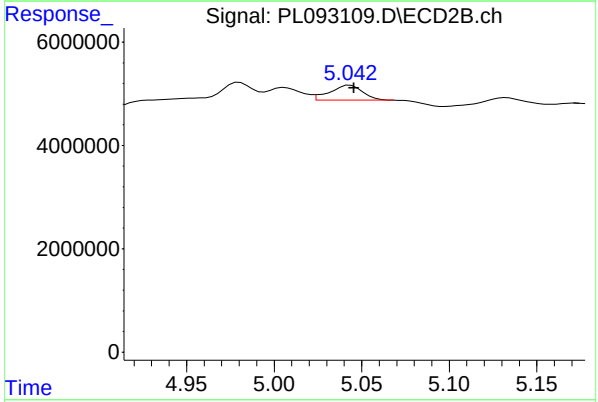
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: 0.000 mi
Response: 5079786
Conc: 1.92 ng/m

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-004

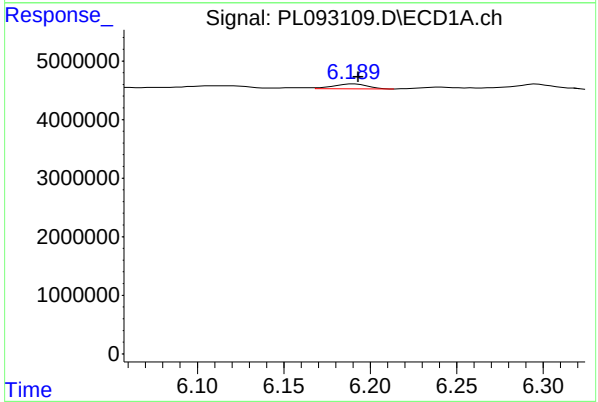
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024



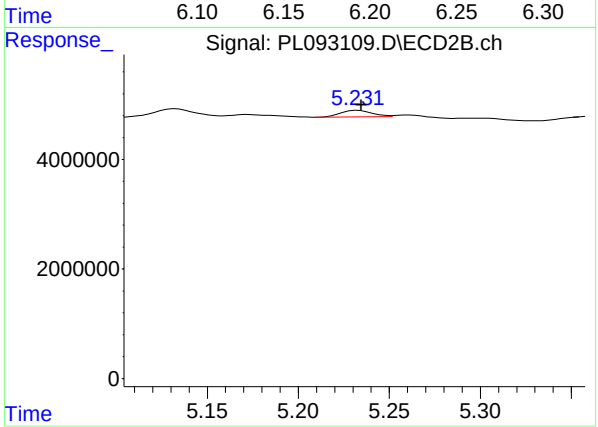
#11 alpha-Chlordane

R.T.: 5.042 min
Delta R.T.: -0.003 min
Response: 3671019
Conc: 1.10 ng/ml m



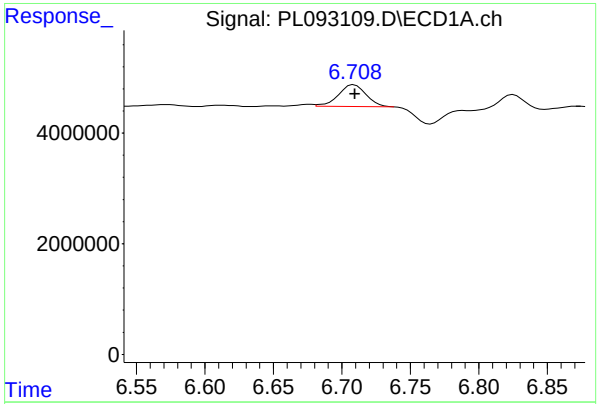
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 1166346
Conc: 0.49 ng/ml m



#12 4,4'-DDE

R.T.: 5.231 min
Delta R.T.: -0.003 min
Response: 1524860
Conc: 0.47 ng/ml m



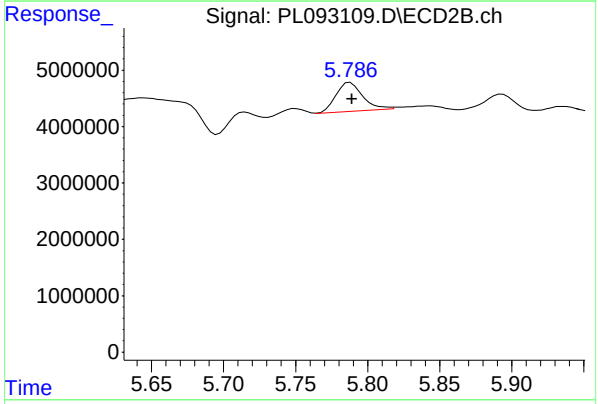
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.002 mi
Response: 5485737
Conc: 2.86 ng/m

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-004

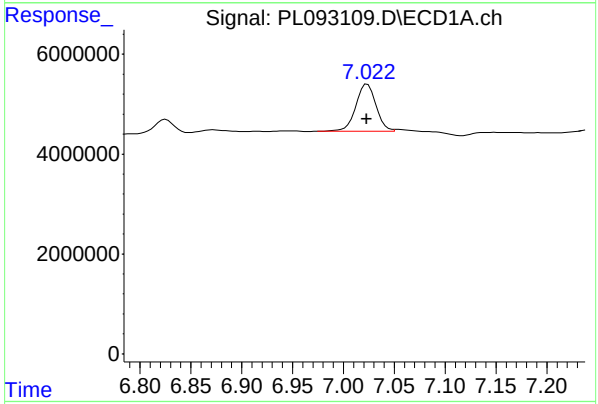
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024



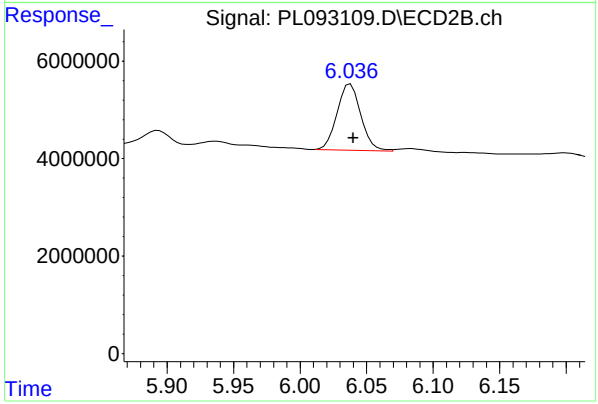
#16 4,4'-DDD

R.T.: 5.786 min
Delta R.T.: -0.003 min
Response: 6703865
Conc: 2.69 ng/ml m



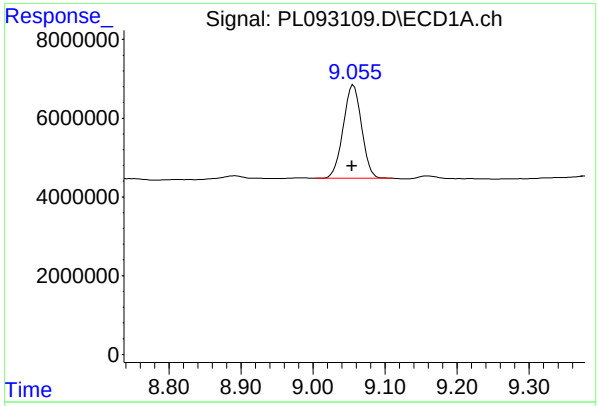
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 13169960
Conc: 6.36 ng/ml m



#17 4,4'-DDT

R.T.: 6.038 min
Delta R.T.: -0.002 min
Response: 16891629
Conc: 6.30 ng/ml



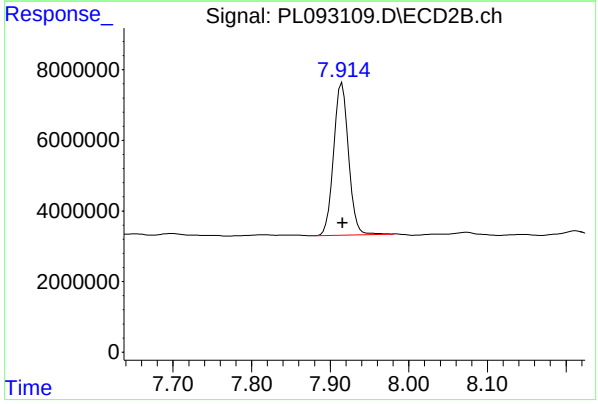
#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 min
Response: 41951445
Conc: 21.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-004

Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 11/19/2024



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 56758488
Conc: 20.80 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111824\
Data File : PL093113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Nov 2024 13:45
Operator : AR\AJ
Sample : P4860-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 01:27:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-009

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.538	2.777	56737259	61564675	23.156m	22.624
28)	SA Decachlor...	9.055	7.915	41930952	59898914	21.787	21.947
	Target Compounds						

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

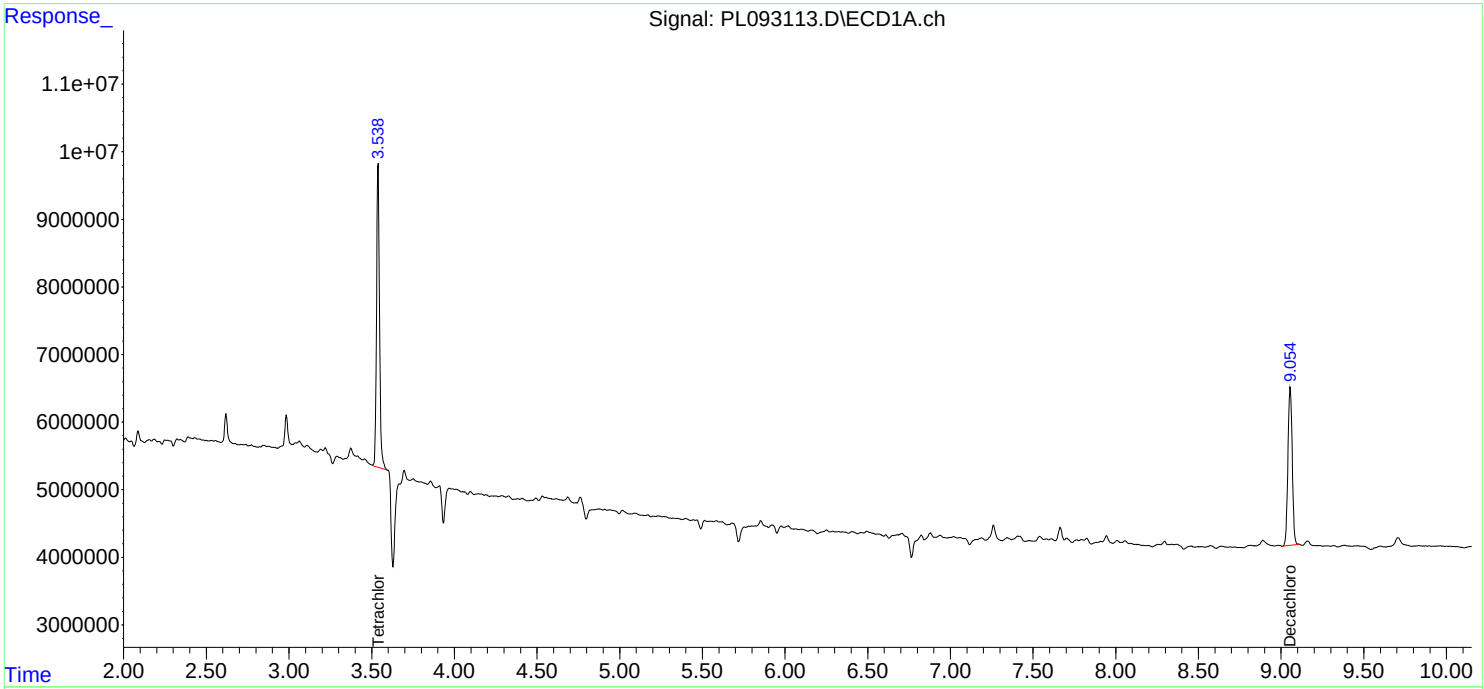
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111824\
Data File : PL093113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Nov 2024 13:45
Operator : AR\AJ
Sample : P4860-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

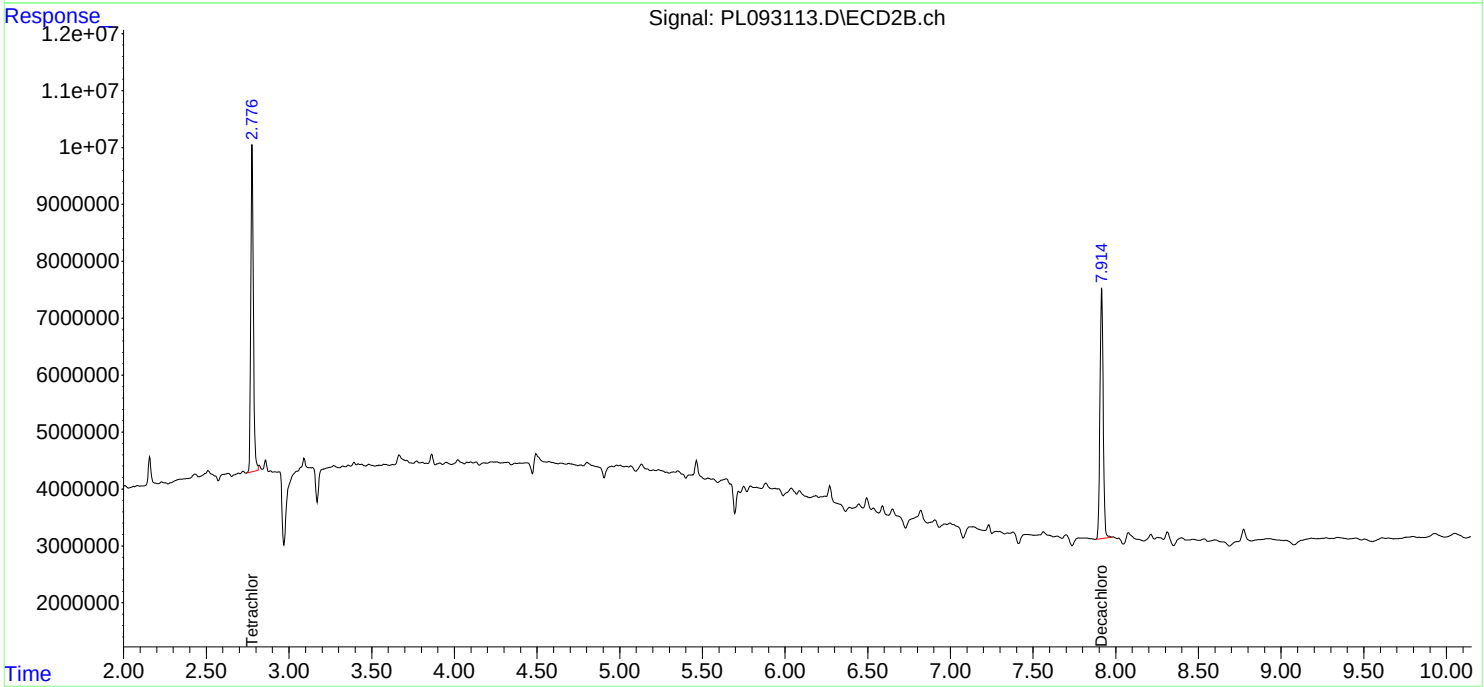
Instrument :
ECD_L
ClientSampleId :
PH2-BOT-009

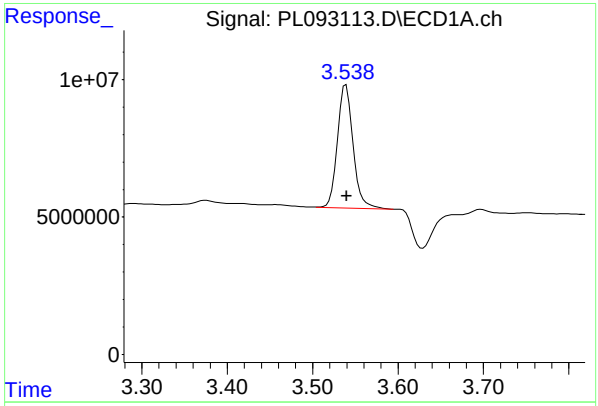
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 01:27:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







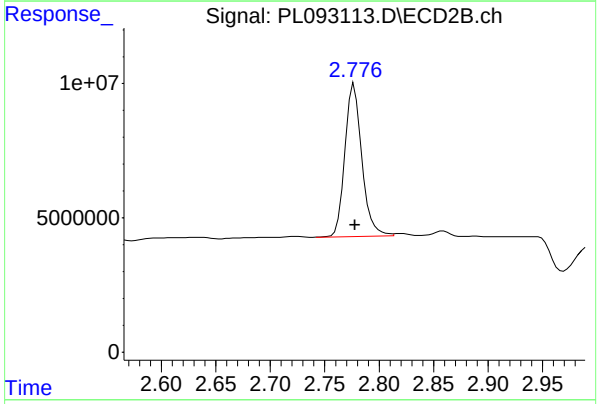
#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: -0.002 min
Response: 56737259
Conc: 23.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-009

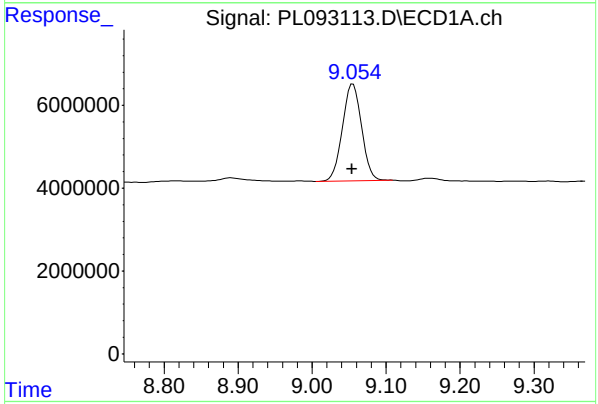
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 11/19/2024



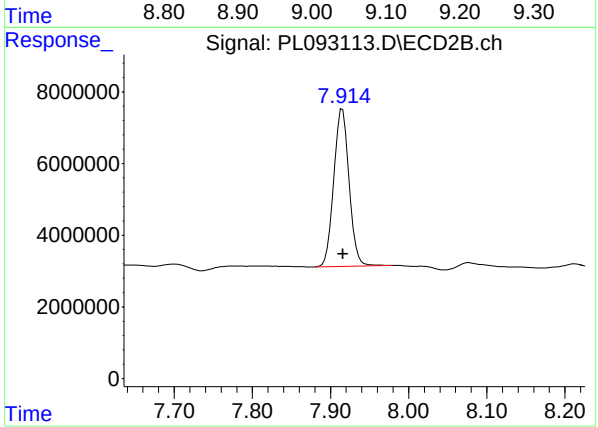
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 61564675
Conc: 22.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.055 min
Delta R.T.: 0.001 min
Response: 41930952
Conc: 21.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 59898914
Conc: 21.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 15:11
Operator : AR\AJ
Sample : P4860-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-008

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:05:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.774	49808655	56374158	20.328m	20.717
28)	SA Decachlor...	9.054	7.914	34308855	52845627	17.827	19.363
	Target Compounds						
10)	B gamma-Chl...	5.937	4.977	10009906	7150328	3.762	2.127m#
11)	B alpha-Chl...	6.019	5.040	10450038	6517432	3.946	1.960m#
16)	A 4,4'-DDD	6.706	5.785	11852609	10348087	6.175m	4.156m#
17)	MA 4,4'-DDT	7.021	6.034	3641175	6805329	1.759m	2.537 #

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

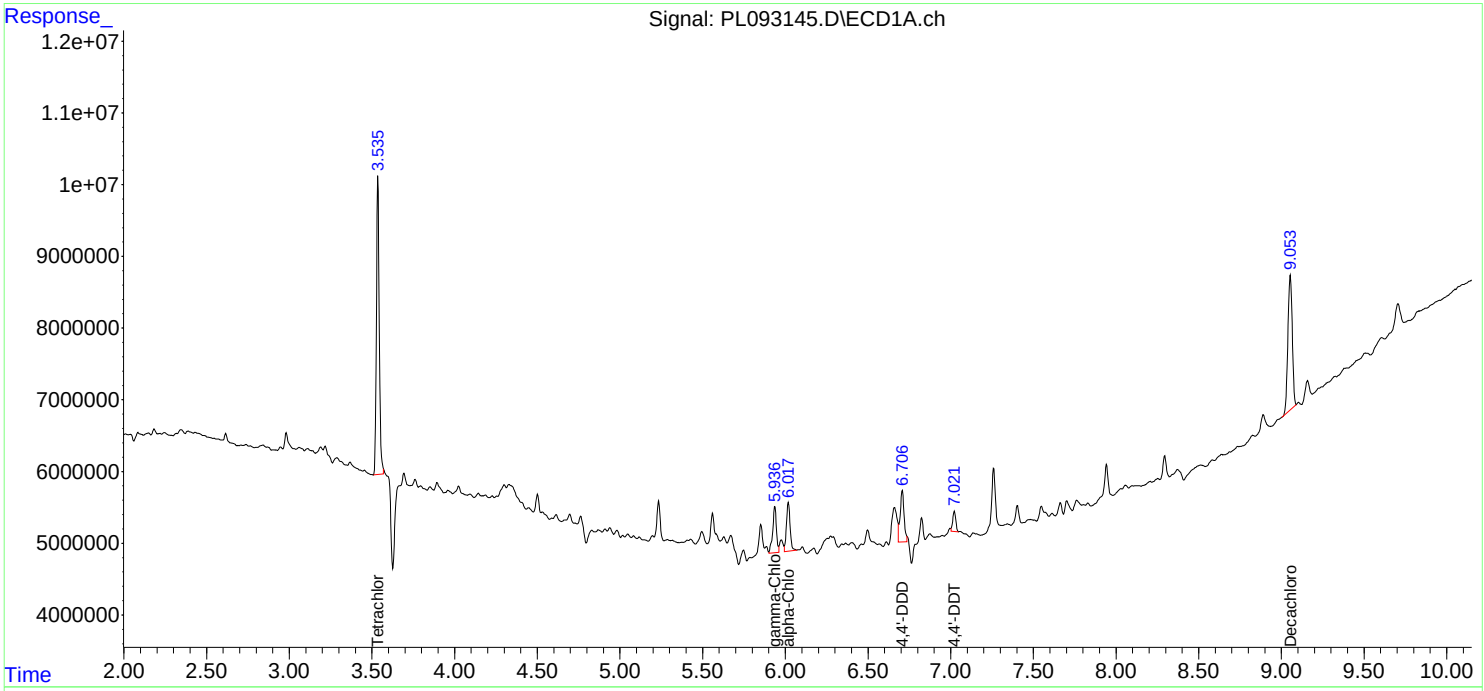
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 15:11
Operator : AR\AJ
Sample : P4860-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

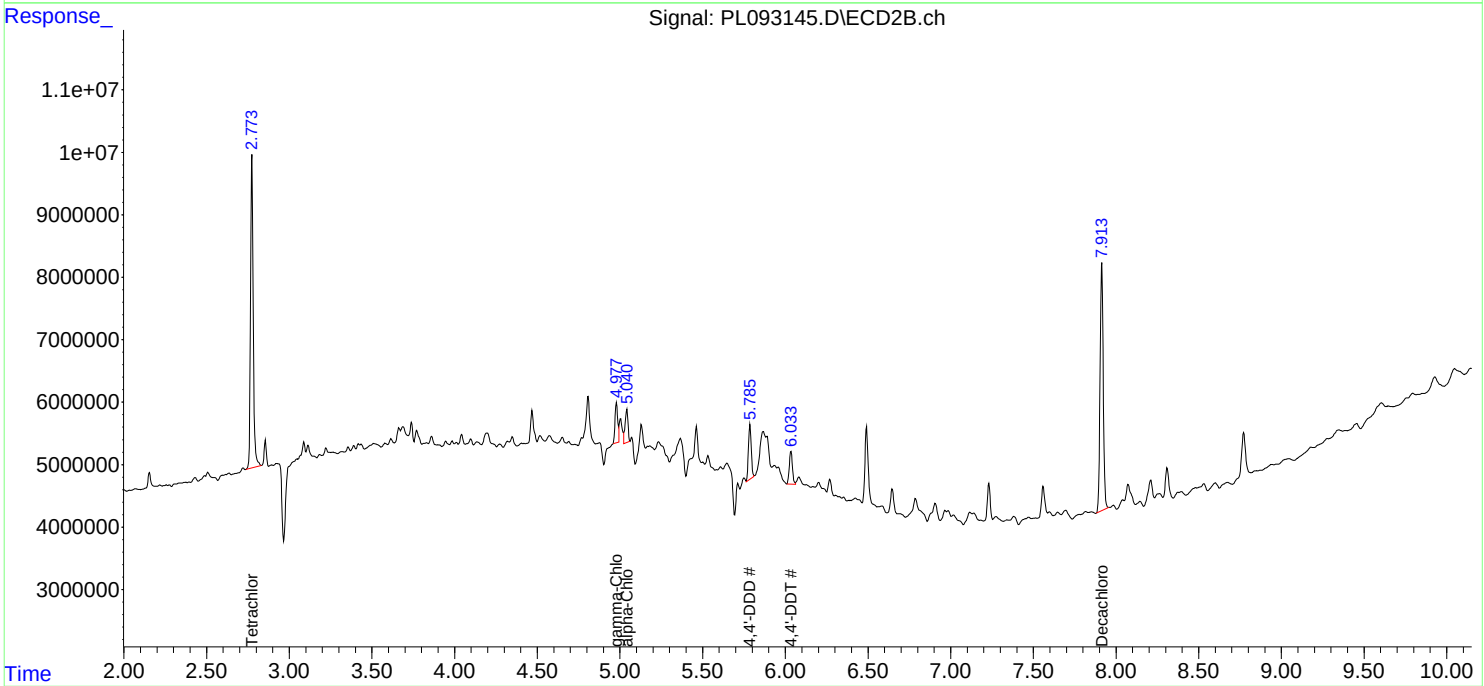
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:05:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

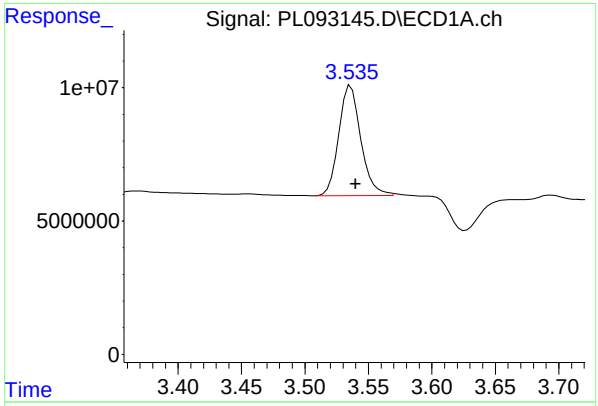
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-008

Manual Integrations APPROVED
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Supervised By :Ankita Jodhani 11/20/2024







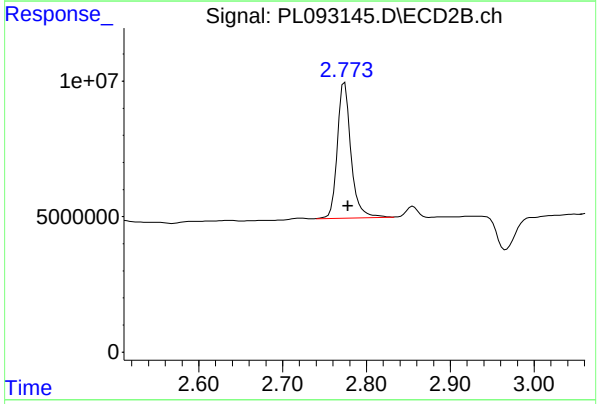
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.005 min
Response: 49808655
Conc: 20.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-008

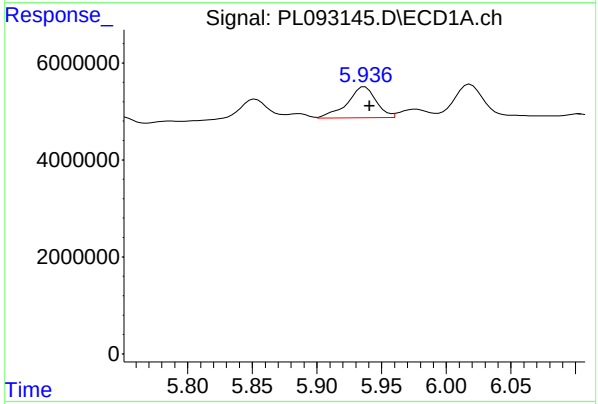
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 11/20/2024



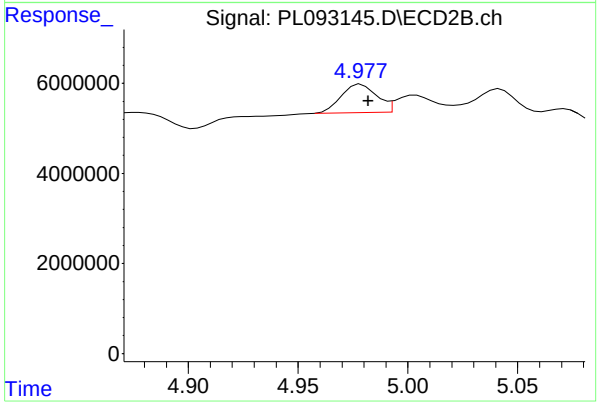
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.004 min
Response: 56374158
Conc: 20.72 ng/ml



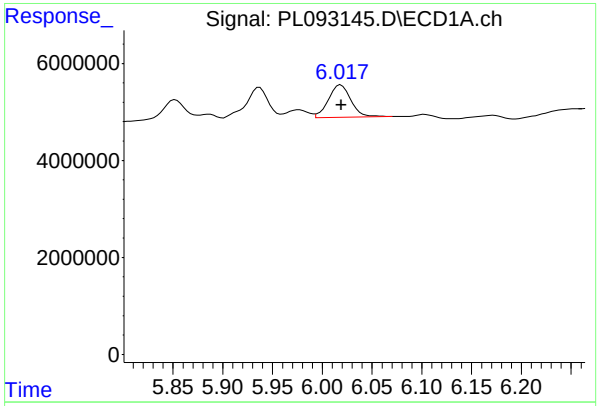
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.004 min
Response: 10009906
Conc: 3.76 ng/ml



#10 gamma-Chlordane

R.T.: 4.977 min
Delta R.T.: -0.005 min
Response: 7150328
Conc: 2.13 ng/ml m



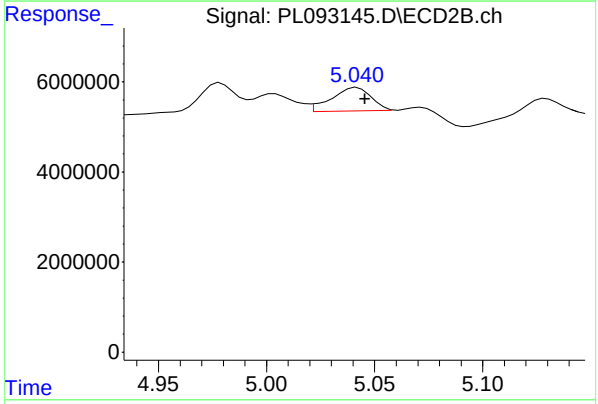
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: 0.000 mi
Response: 10450038
Conc: 3.95 ng/m

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-008

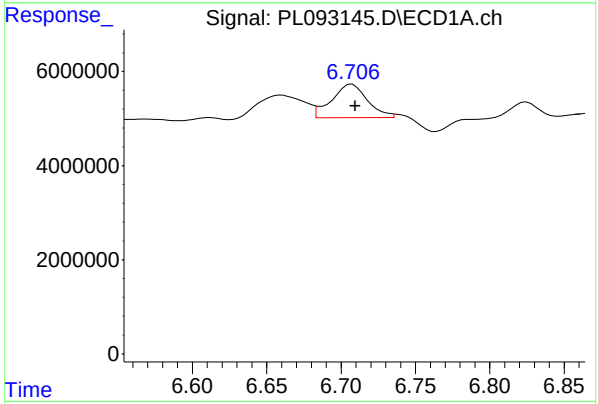
Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 11/20/2024



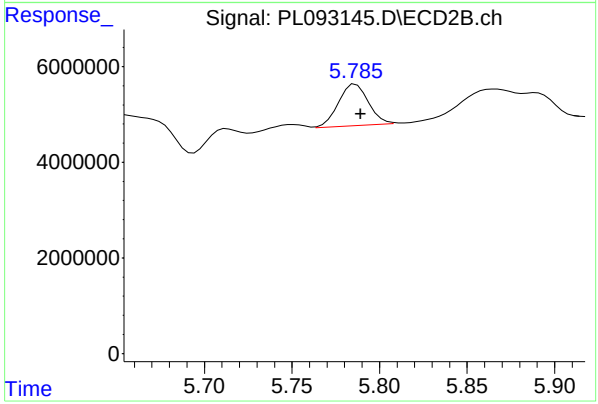
#11 alpha-Chlordane

R.T.: 5.040 min
Delta R.T.: -0.005 min
Response: 6517432
Conc: 1.96 ng/ml m



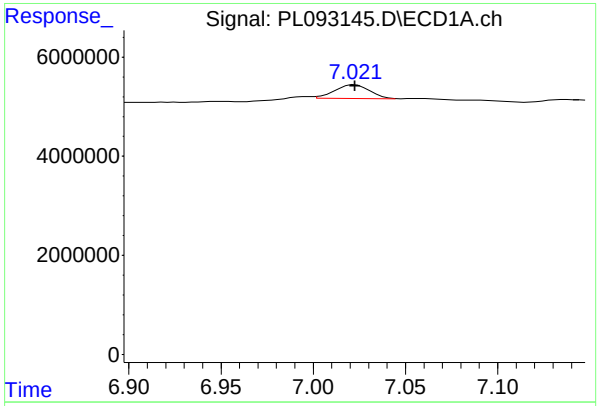
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.003 min
Response: 11852609
Conc: 6.17 ng/ml m



#16 4,4'-DDD

R.T.: 5.785 min
Delta R.T.: -0.004 min
Response: 10348087
Conc: 4.16 ng/ml m



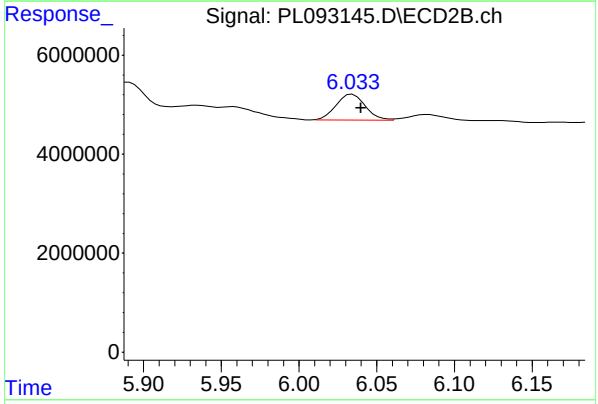
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 3641175
Conc: 1.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-008

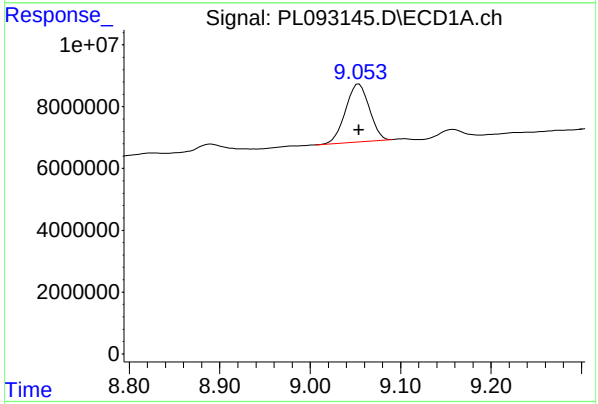
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Supervised By :Ankita Jodhani 11/20/2024



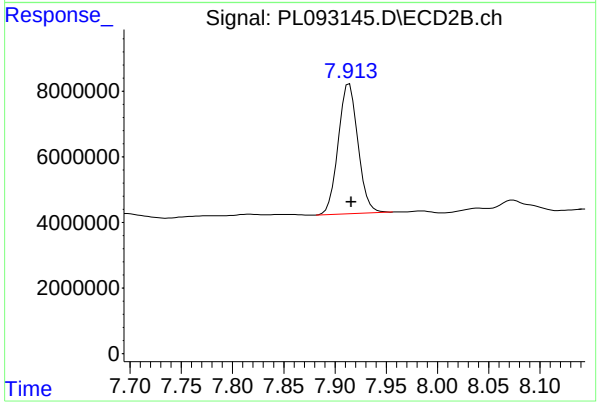
#17 4,4'-DDT

R.T.: 6.034 min
Delta R.T.: -0.005 min
Response: 6805329
Conc: 2.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 34308855
Conc: 17.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.914 min
Delta R.T.: -0.002 min
Response: 52845627
Conc: 19.36 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 15:24
Operator : AR\AJ
Sample : P4860-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-007

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:06:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.534	2.774	40200501	46134149	16.407m	16.954
28)	SA Decachlor...	9.053	7.913	31217356	47242121	16.221	17.310
	Target Compounds						
12)	B 4,4'-DDE	6.190	5.230	3319438	4265642	1.401	1.324m
16)	A 4,4'-DDD	6.707	5.784	5757426	6503064	2.999m	2.612m
17)	MA 4,4'-DDT	7.026	6.033	10160828	3042346	4.909m	1.134m#

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

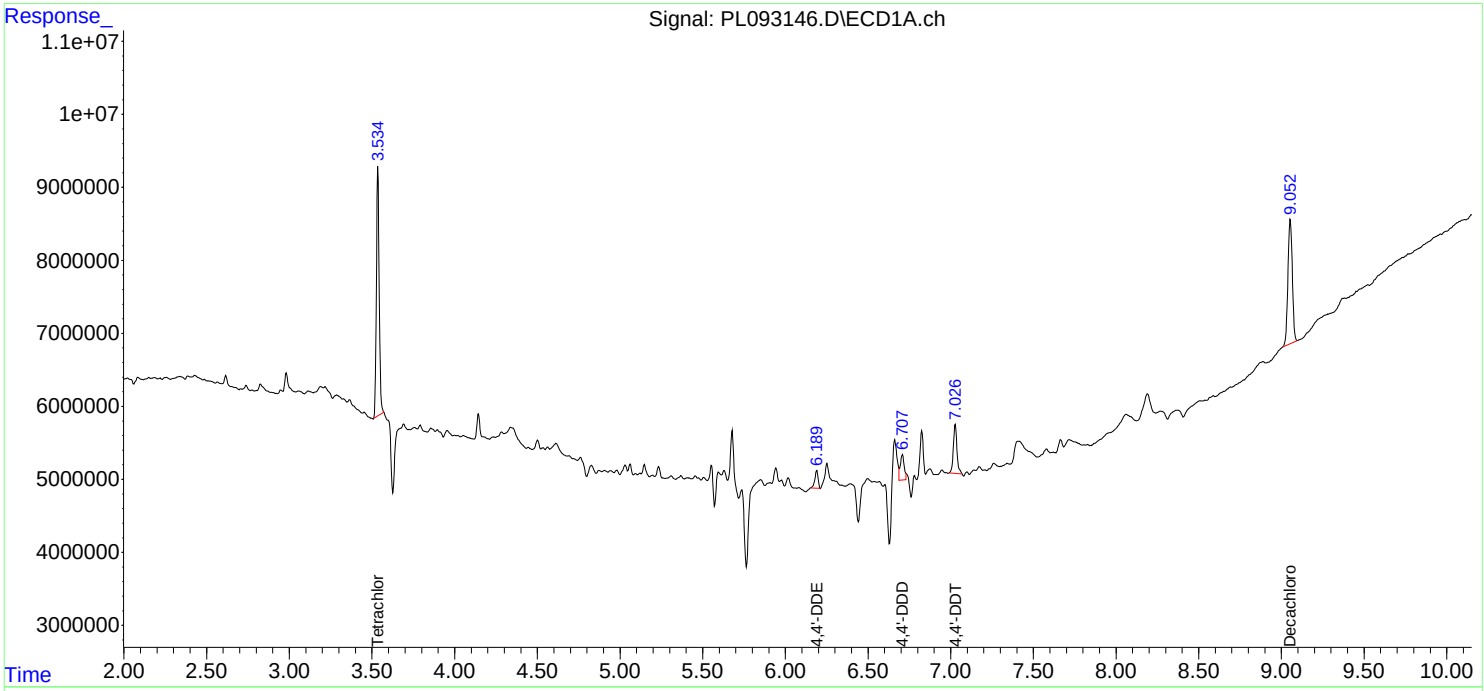
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 15:24
Operator : AR\AJ
Sample : P4860-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

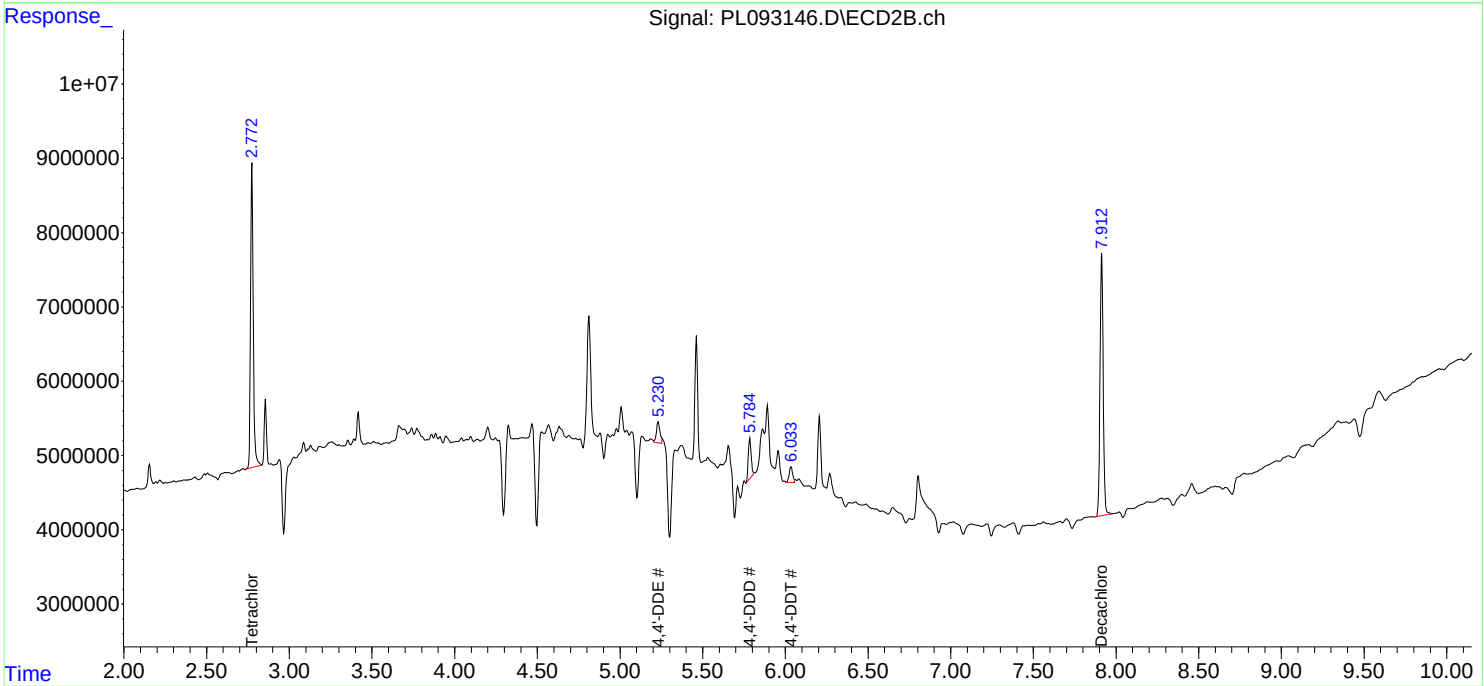
Instrument :
ECD_L
ClientSampleId :
PH2-BOT-007

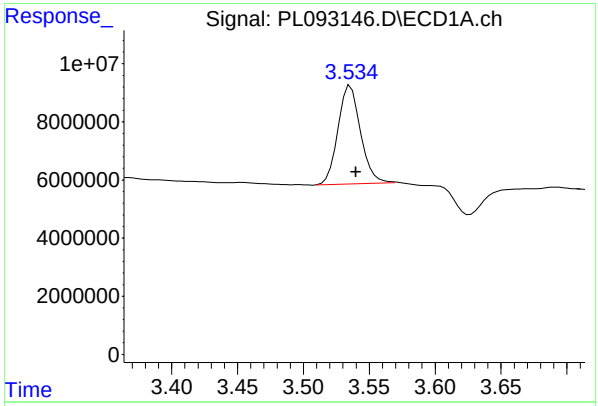
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:06:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







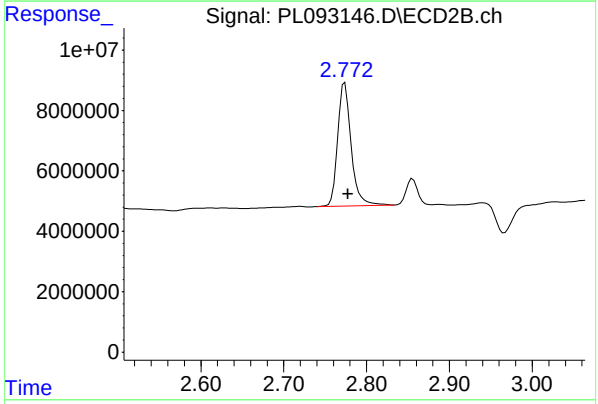
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.006 min
Response: 40200501
Conc: 16.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-007

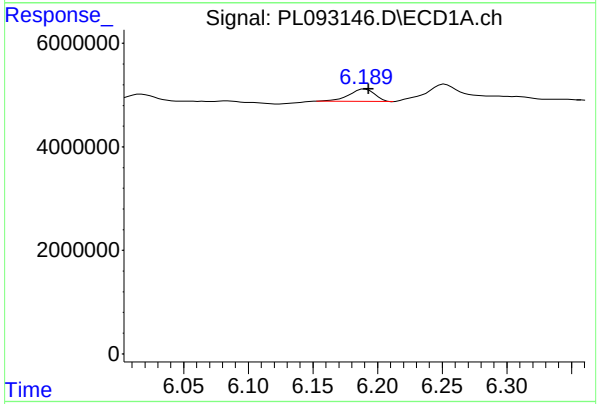
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024



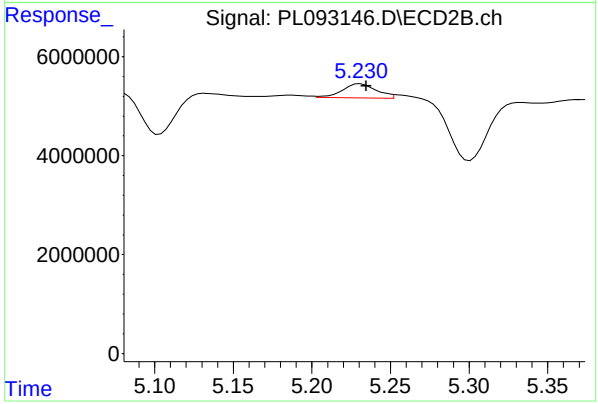
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.004 min
Response: 46134149
Conc: 16.95 ng/ml



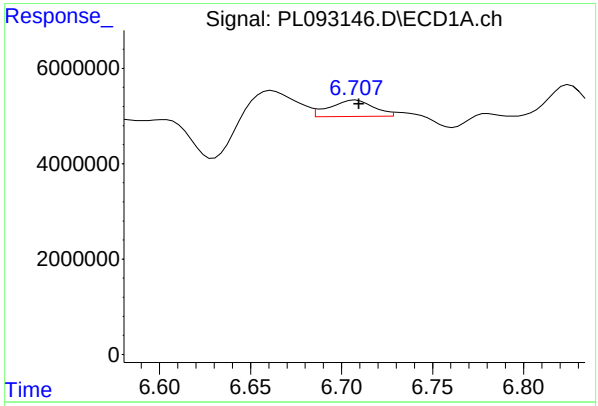
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 3319438
Conc: 1.40 ng/ml



#12 4,4'-DDE

R.T.: 5.230 min
Delta R.T.: -0.005 min
Response: 4265642
Conc: 1.32 ng/ml m



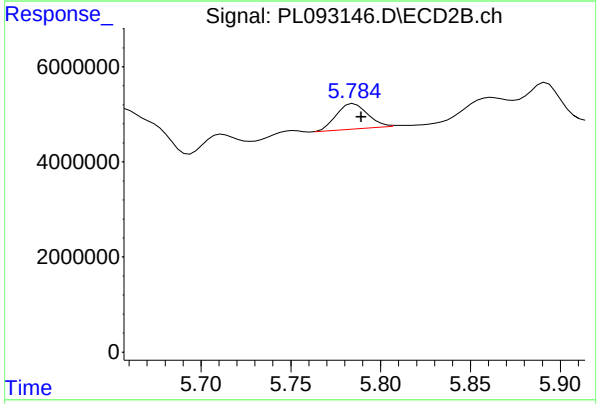
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: -0.003 min
Response: 5757426
Conc: 3.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-007

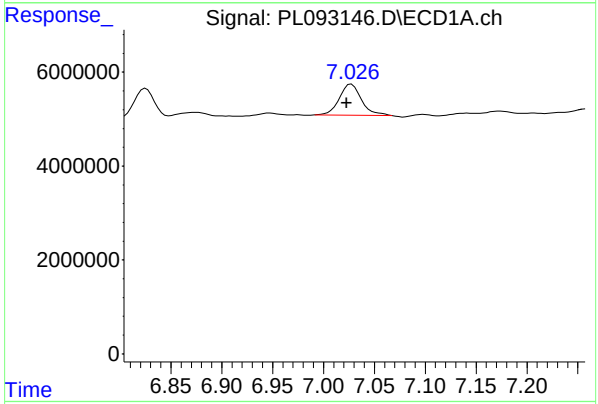
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024



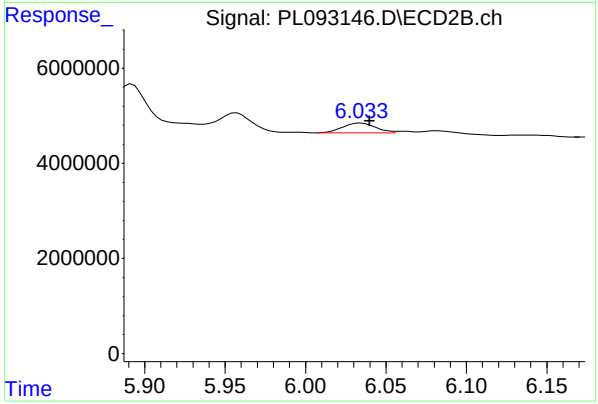
#16 4,4'-DDD

R.T.: 5.784 min
Delta R.T.: -0.005 min
Response: 6503064
Conc: 2.61 ng/ml m



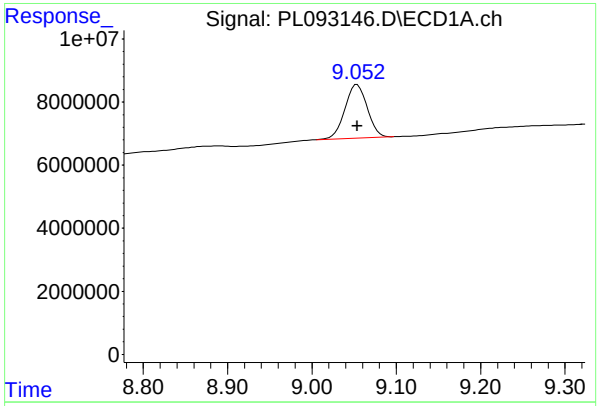
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.003 min
Response: 10160828
Conc: 4.91 ng/ml m



#17 4,4'-DDT

R.T.: 6.033 min
Delta R.T.: -0.007 min
Response: 3042346
Conc: 1.13 ng/ml m



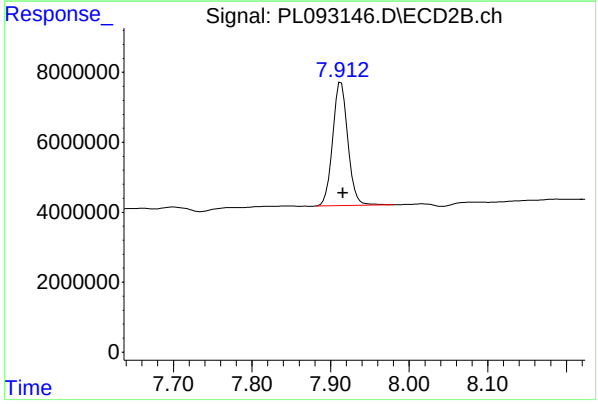
#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 31217356
Conc: 16.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-007

Manual Integrations APPROVED

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Supervised By :Ankita Jodhani 11/20/2024



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: -0.002 min
Response: 47242121
Conc: 17.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 14:44
Operator : AR\AJ
Sample : P4860-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-006

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:03:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.534	2.774	48353135	54676961	19.734m	20.093
28)	SA Decachlor...	9.053	7.913	33218459	50507456	17.260	18.506
	Target Compounds						

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

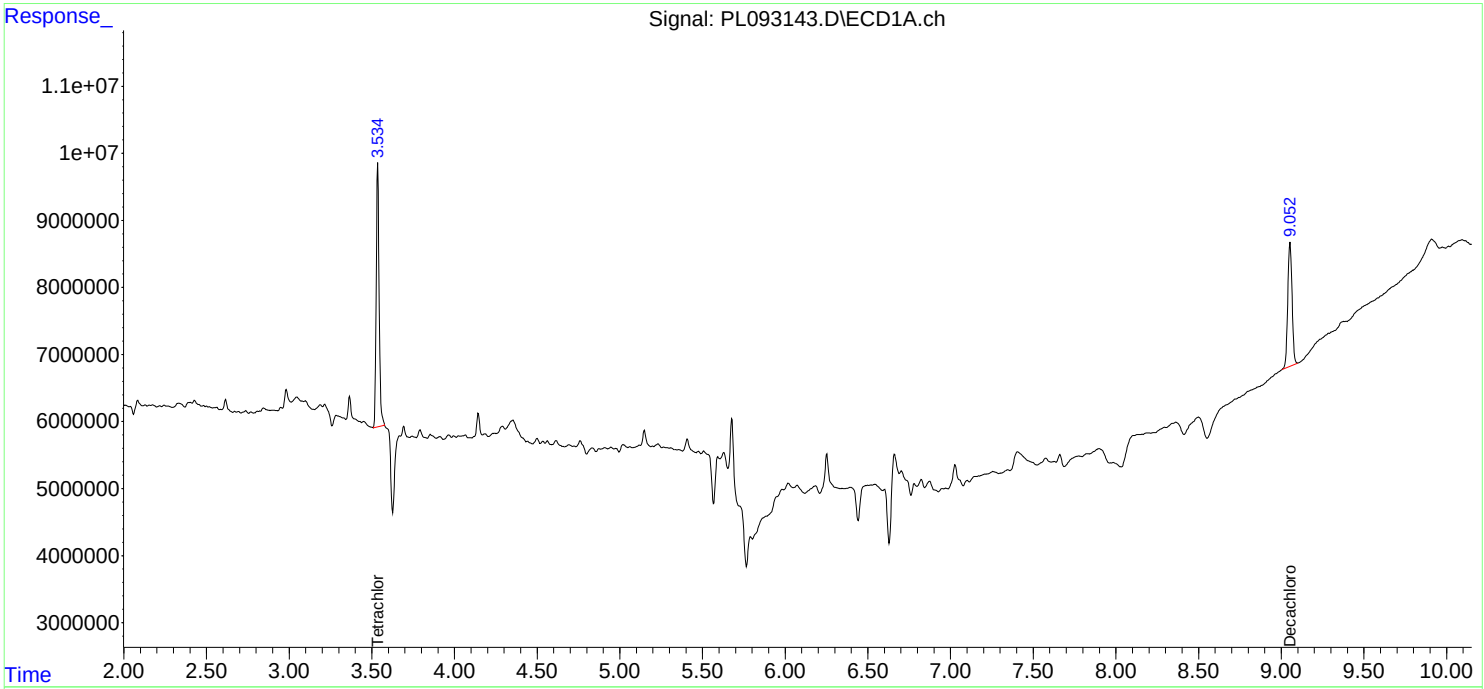
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 14:44
Operator : AR\AJ
Sample : P4860-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

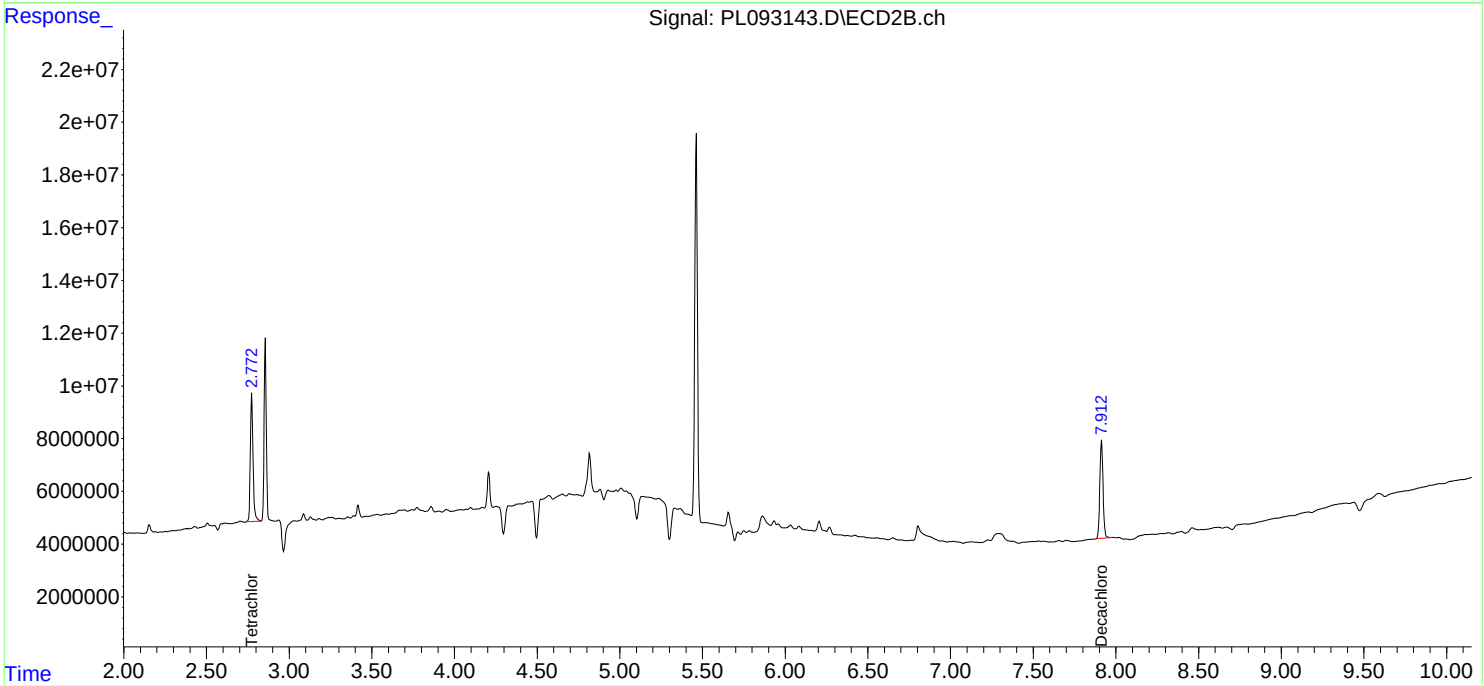
Instrument :
ECD_L
ClientSampleId :
PH2-BOT-006

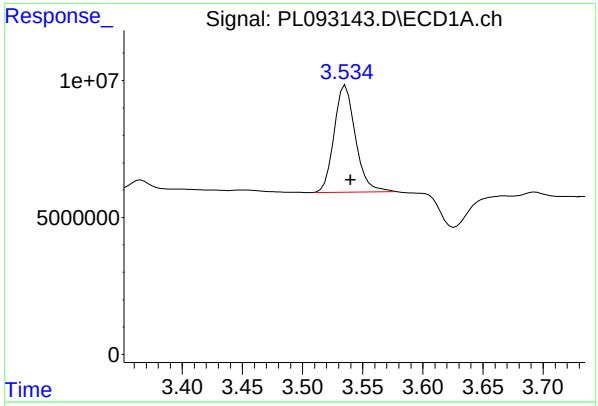
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:03:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







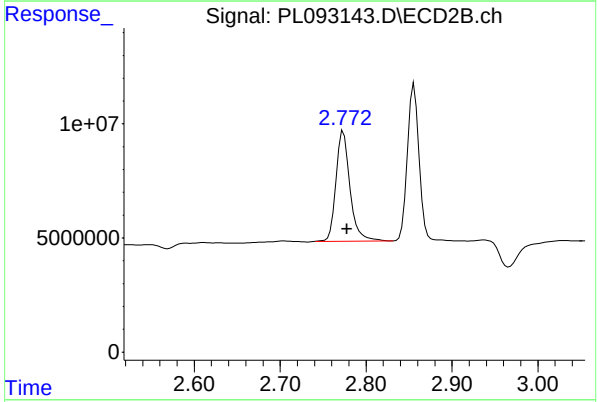
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.006 min
Response: 48353135
Conc: 19.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-006

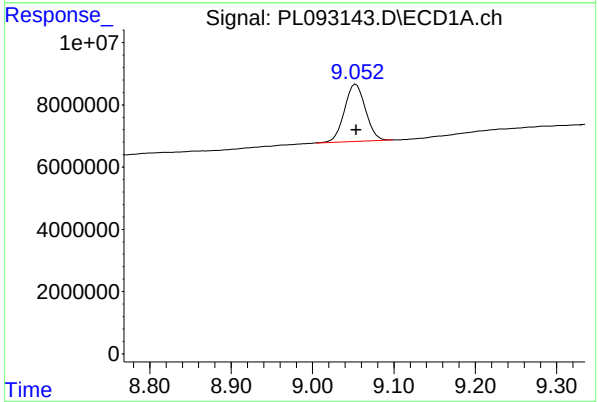
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024



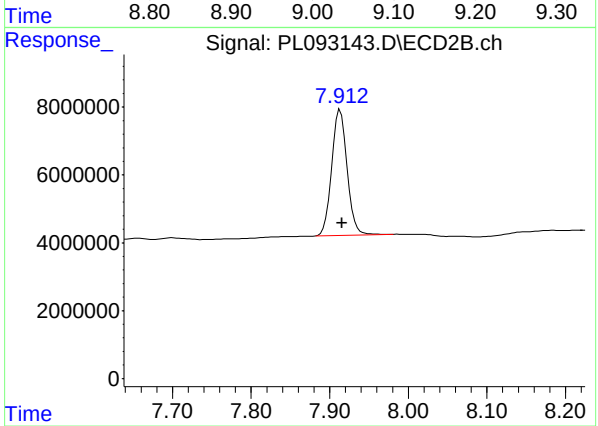
#1 Tetrachloro-m-xylene

R.T.: 2.774 min
Delta R.T.: -0.004 min
Response: 54676961
Conc: 20.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: 0.000 min
Response: 33218459
Conc: 17.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: -0.002 min
Response: 50507456
Conc: 18.51 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 14:57
Operator : AR\AJ
Sample : P4860-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:04:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.534	2.773	48591948	53548701	19.832m	19.679
28)	SA Decachlor...	9.054	7.913	31773803	51111175	16.510	18.727
	Target Compounds						

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

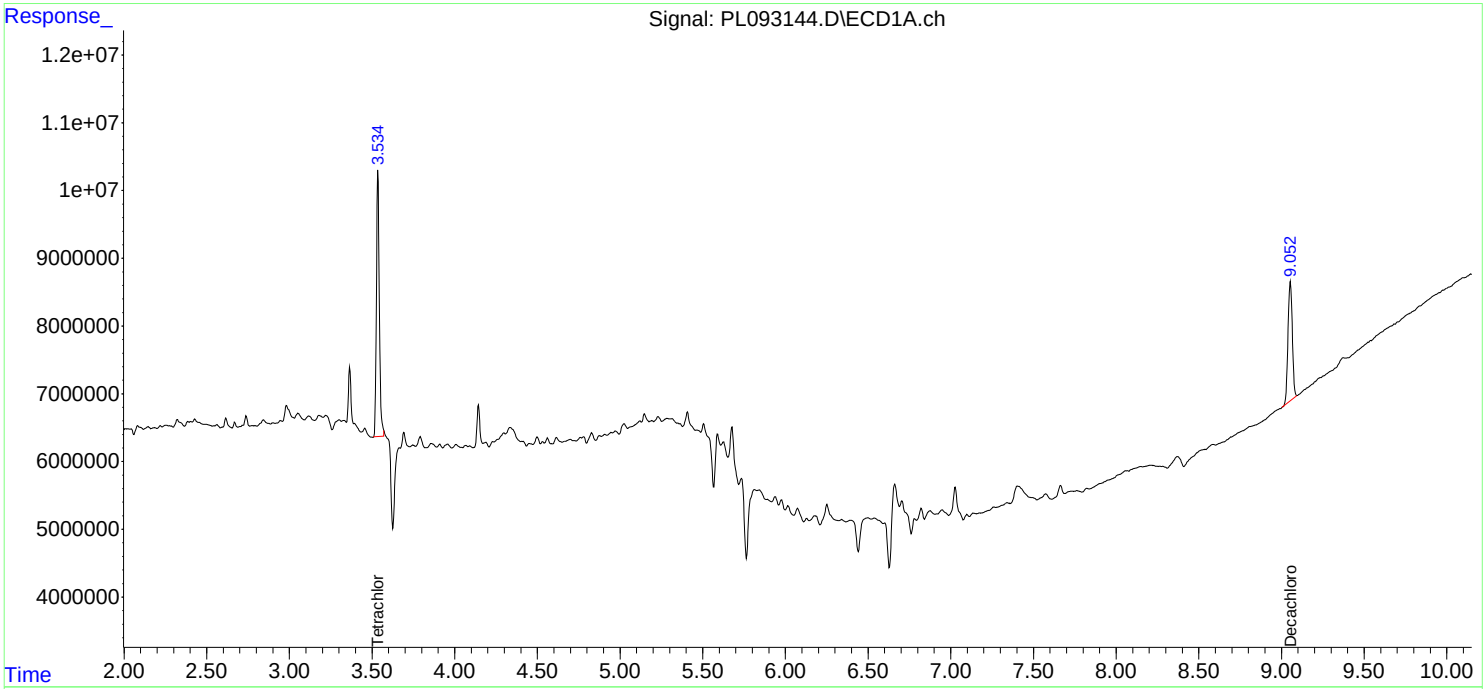
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 14:57
Operator : AR\AJ
Sample : P4860-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

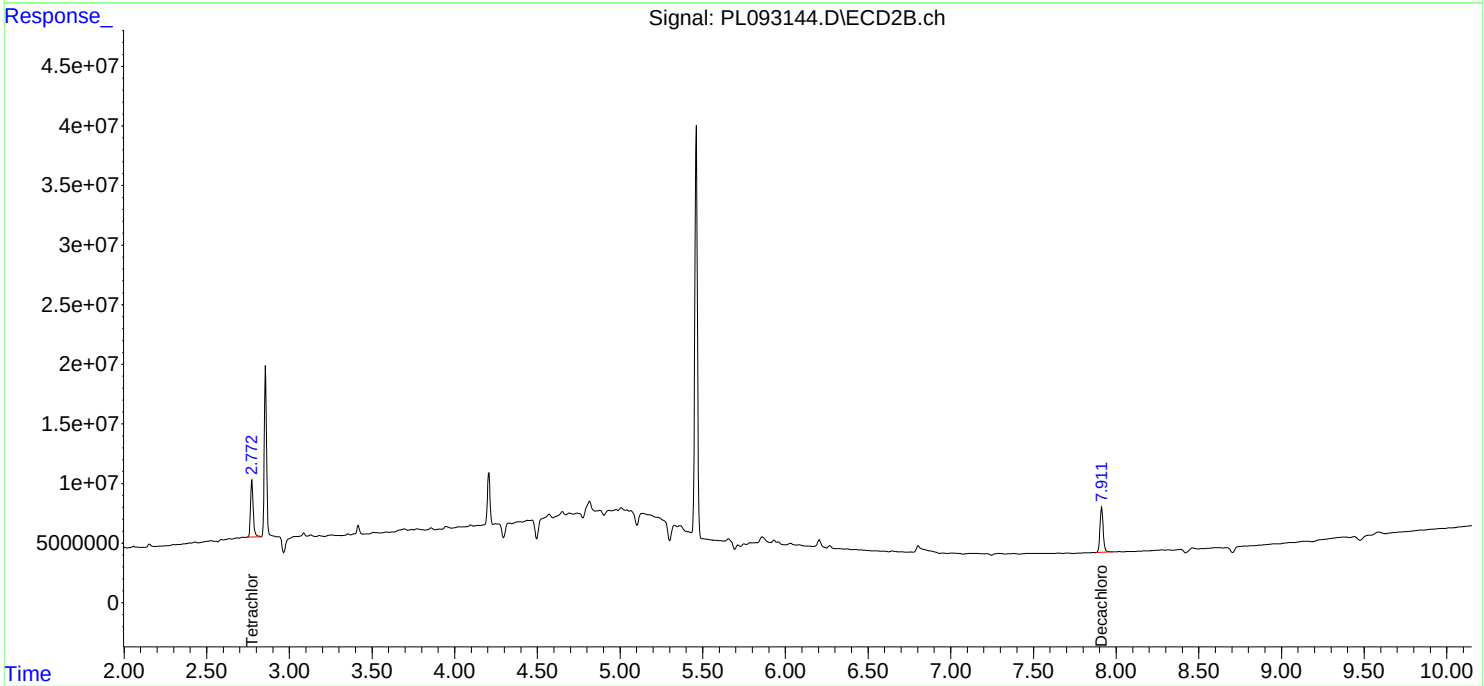
Instrument :
ECD_L
ClientSampleId :
PH2-BOT-005

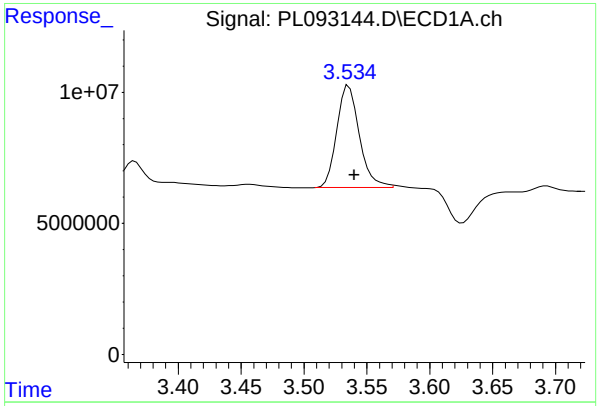
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:04:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm







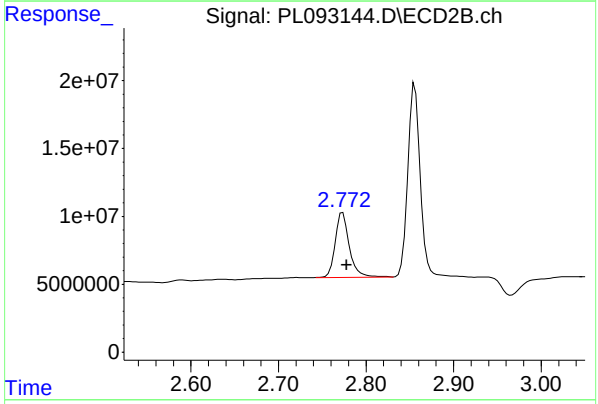
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.006 min
Response: 48591948
Conc: 19.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-005

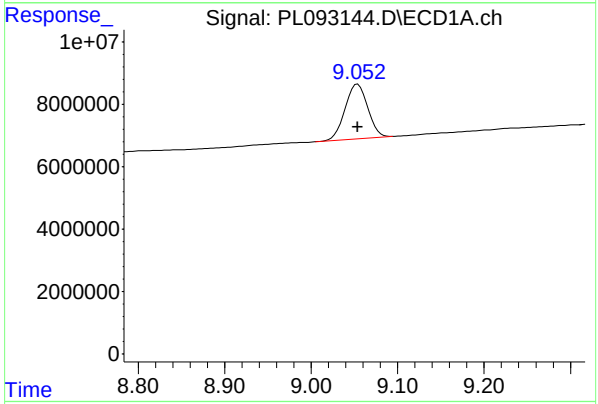
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024



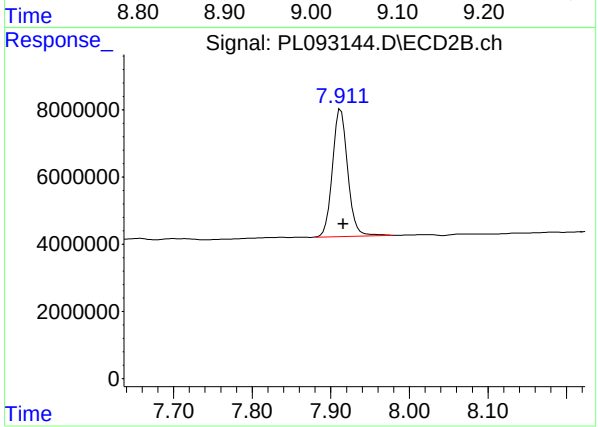
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: -0.004 min
Response: 53548701
Conc: 19.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 31773803
Conc: 16.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: -0.003 min
Response: 51111175
Conc: 18.73 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 14:05
Operator : AR\AJ
Sample : PB165046BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB165046BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:00:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.536	2.773	47434026	49283232	19.359	18.111
28)	SA Decachlor...	9.054	7.913	32055083	51659087	16.656	18.928
	Target Compounds						

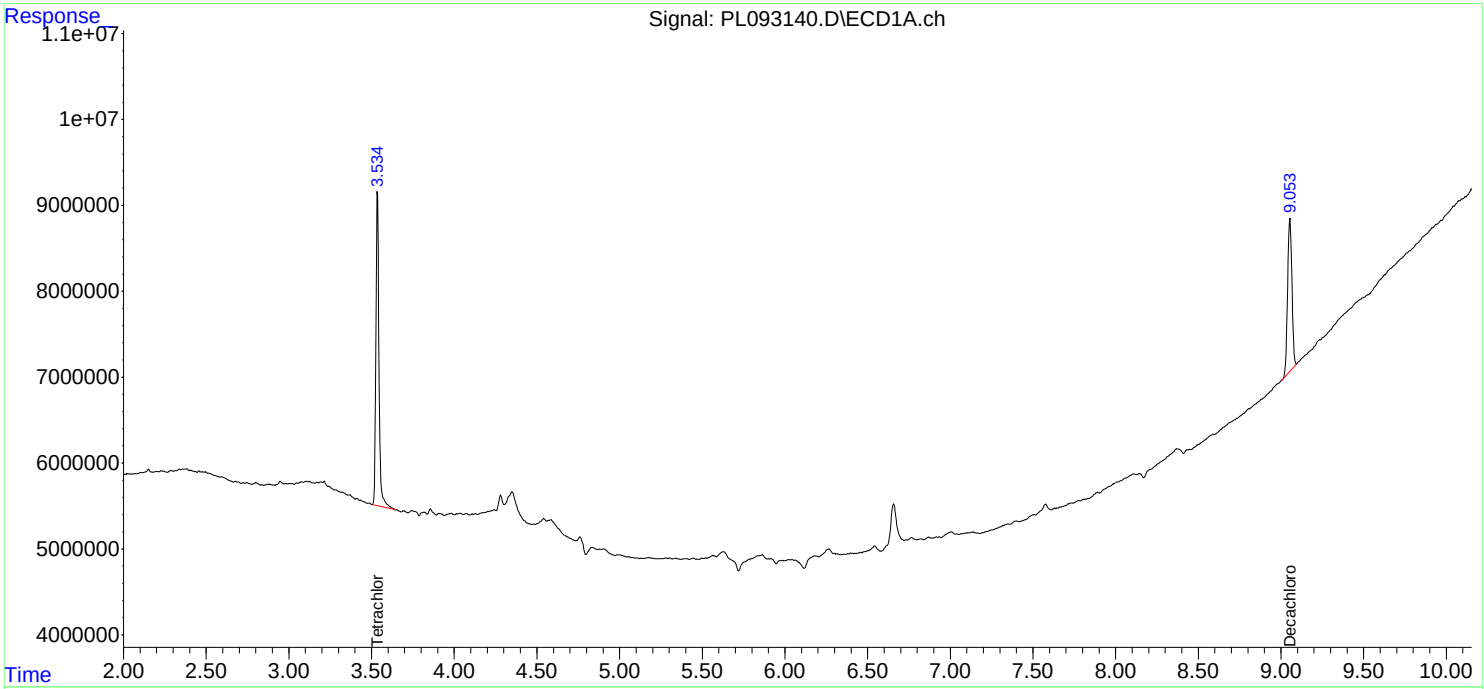
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

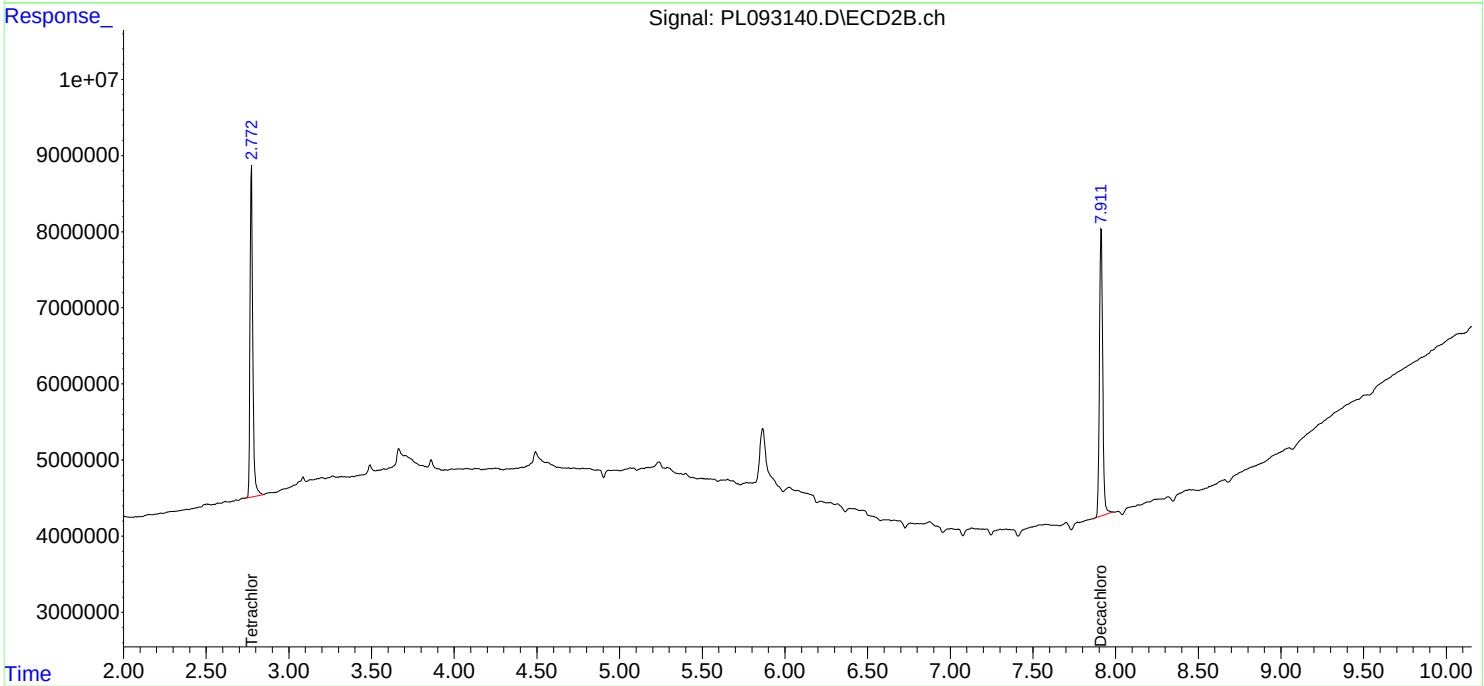
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 14:05
Operator : AR\AJ
Sample : PB165046BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

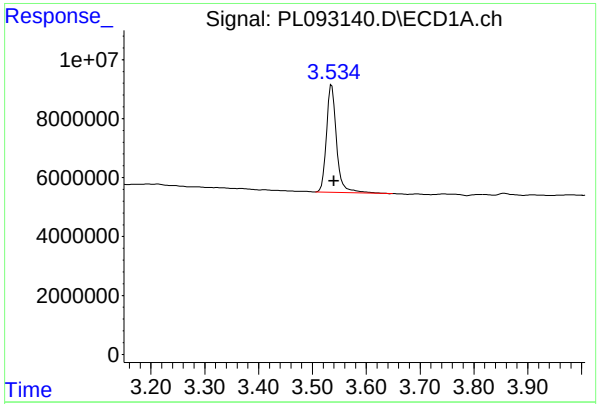
Instrument :
ECD_L
ClientSampleId :
PB165046BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:00:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm



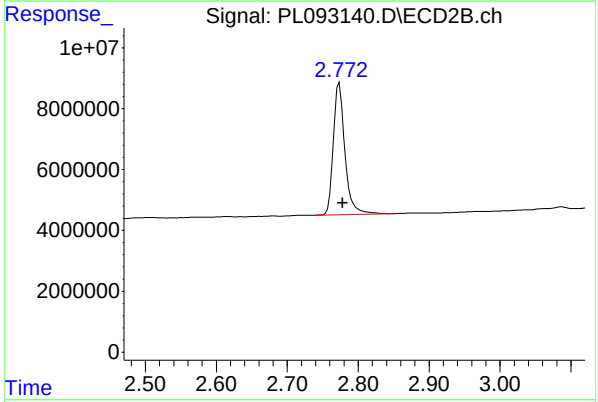




#1 Tetrachloro-m-xylene

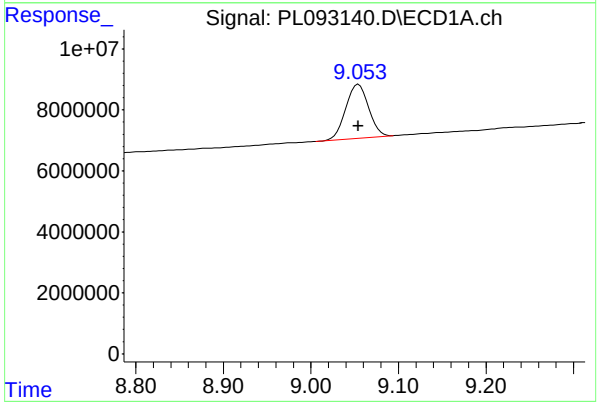
R.T.: 3.536 min
Delta R.T.: -0.004 min
Response: 47434026
Conc: 19.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB165046BL



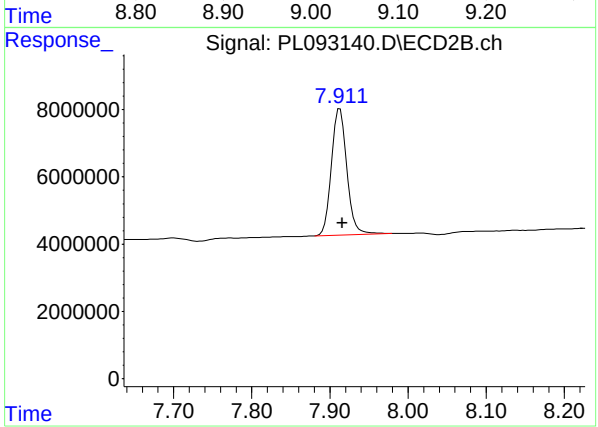
#1 Tetrachloro-m-xylene

R.T.: 2.773 min
Delta R.T.: -0.004 min
Response: 49283232
Conc: 18.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: 0.000 min
Response: 32055083
Conc: 16.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.913 min
Delta R.T.: -0.003 min
Response: 51659087
Conc: 18.93 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 13:52
Operator : AR\AJ
Sample : PB165046BS
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB165046BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 22:59:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.536	2.774	49360549	49529498	20.145	18.202
28)	SA	Decachlor...	9.054	7.913	27470790	44711539	14.274	16.382
		Target Compounds						
2)	A	alpha-BHC	3.993	3.277	169.9E6	203.5E6	50.084	51.009
3)	MA	gamma-BHC...	4.324	3.607	158.3E6	193.6E6	48.551m	50.175
4)	MA	Heptachlor	4.914	3.946	148.5E6	205.6E6	49.447	54.472
5)	MB	Aldrin	5.256	4.226	139.5E6	180.8E6	46.486	49.392
6)	B	beta-BHC	4.523	3.907	70453308	84759341	48.741	51.486
7)	B	delta-BHC	4.770	4.136	135.6E6	160.5E6	43.311	41.762
8)	B	Heptachlo...	5.682	4.729	128.3E6	170.8E6	46.460	51.105
9)	A	Endosulfan I	6.069	5.098	119.4E6	162.3E6	47.740	53.153
10)	B	gamma-Chl...	5.938	4.979	127.2E6	180.1E6	47.818	53.565
11)	B	alpha-Chl...	6.017	5.042	127.7E6	177.0E6	48.205	53.205
12)	B	4,4'-DDE	6.191	5.232	115.1E6	174.7E6	48.579	54.239
13)	MA	Dieldrin	6.343	5.363	126.2E6	177.0E6	47.900	52.991
14)	MA	Endrin	6.573	5.638	106.6E6	162.6E6	46.816	56.214
15)	B	Endosulfa...	6.793	5.933	109.0E6	151.6E6	45.741	53.520
16)	A	4,4'-DDD	6.707	5.786	89985487	135.0E6	46.879m	54.226
17)	MA	4,4'-DDT	7.022	6.037	102.2E6	141.8E6	49.373	52.867
18)	B	Endrin al...	6.922	6.112	84775799	116.3E6	45.142	50.403
19)	B	Endosulfa...	7.157	6.335	96158498	135.7E6	44.306	50.325
20)	A	Methoxychlor	7.499	6.612	52577850	74791686	46.121	52.374
21)	B	Endrin ke...	7.642	6.839	112.5E6	157.8E6	46.450	51.409m
22)		Mirex	8.116	7.020	79171493	114.2E6	39.951	43.768m

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

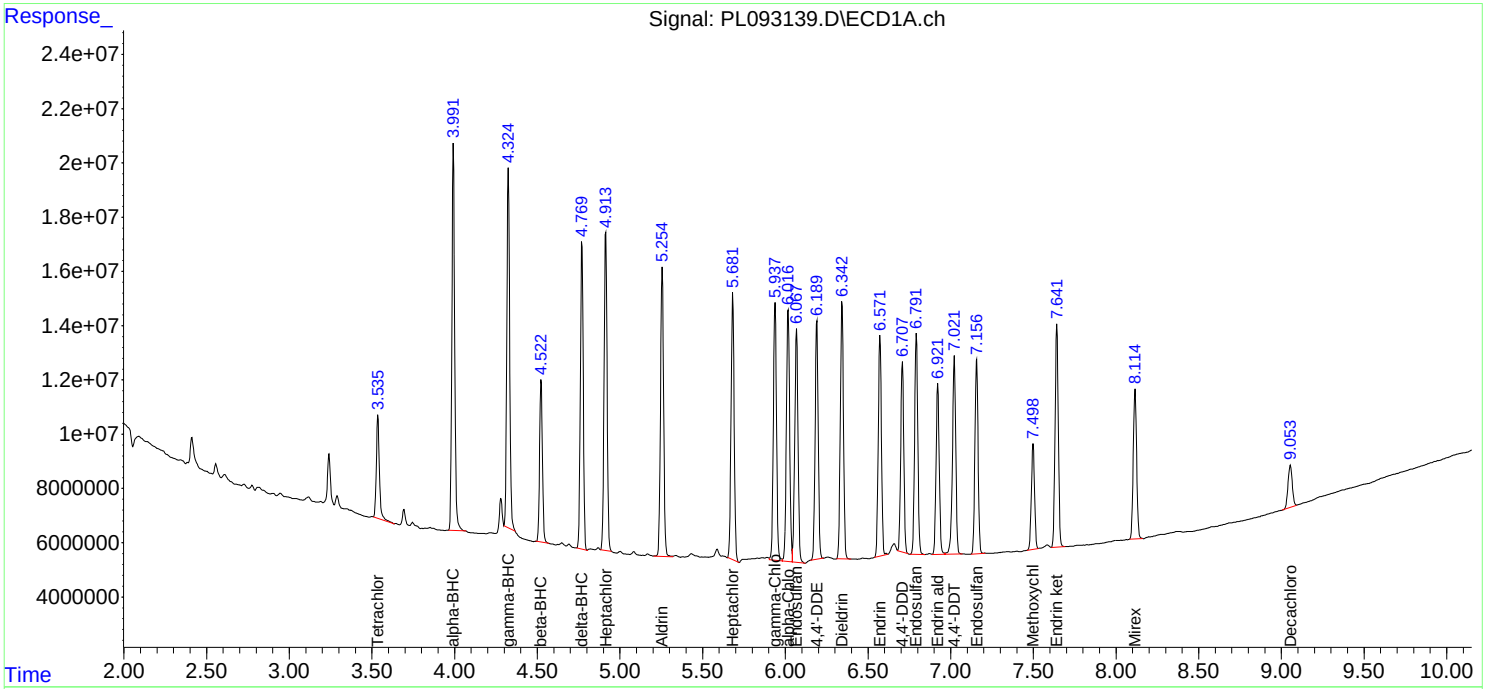
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 13:52
Operator : AR\AJ
Sample : PB165046BS
Misc :
ALS Vial : 50 Sample Multiplier: 1

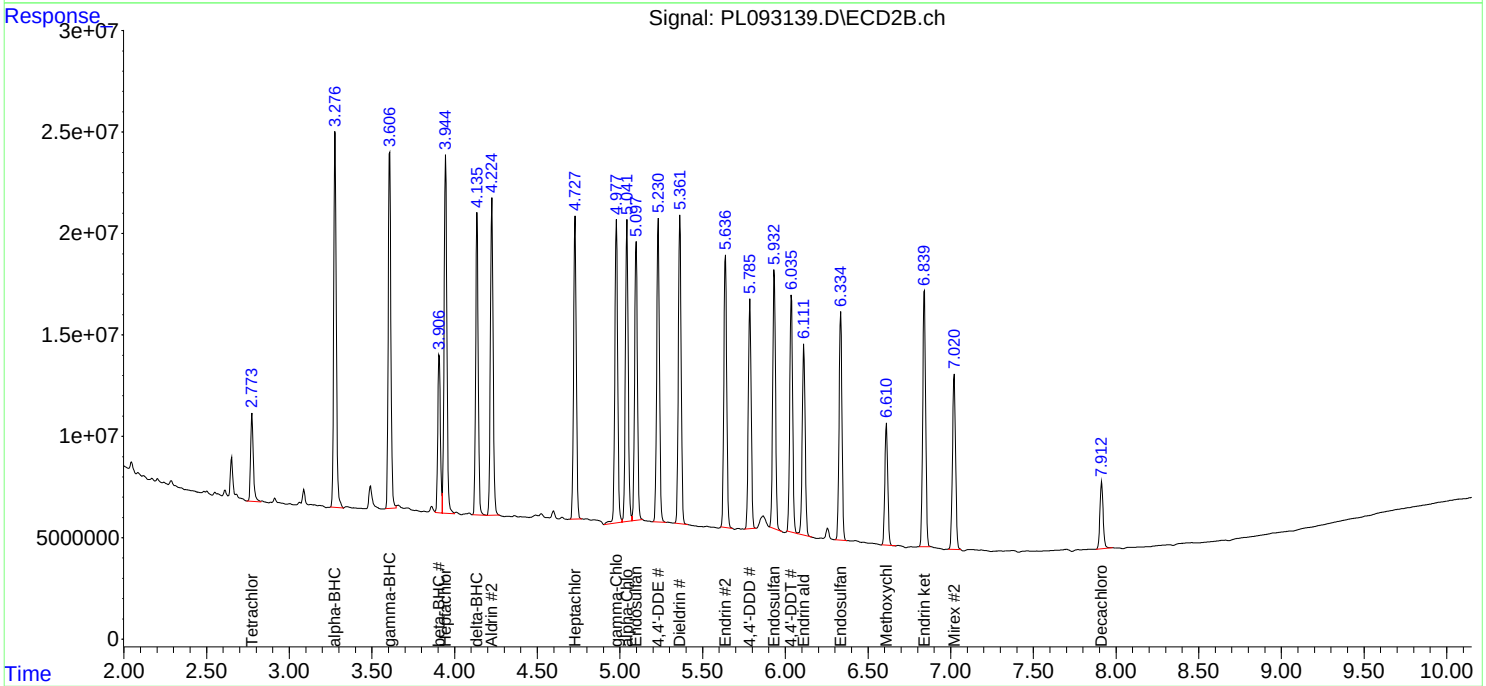
Instrument :
ECD_L
ClientSampleId :
PB165046BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 22:59:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 15:37
Operator : AR\AJ
Sample : P4860-08MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-007MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:07:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.534	2.774	37307607	39587444	15.226m	14.548
28)	SA	Decachlor...	9.053	7.913	28072872	43529296	14.587	15.949
		Target Compounds						
2)	A	alpha-BHC	3.993	3.277	157.4E6	188.9E6	46.402	47.334
3)	MA	gamma-BHC...	4.325	3.607	149.4E6	180.3E6	45.835	46.720
4)	MA	Heptachlor	4.914	3.946	141.2E6	188.8E6	47.021	50.034
5)	MB	Aldrin	5.255	4.225	132.7E6	177.3E6	44.223	48.434
6)	B	beta-BHC	4.523	3.907	67499138	82071127	46.697	49.853
7)	B	delta-BHC	4.770	4.136	118.7E6	152.5E6	37.938	39.682
8)	B	Heptachlo...	5.682	4.728	122.3E6	161.9E6	44.290	48.451
9)	A	Endosulfan I	6.068	5.098	111.5E6	143.6E6	44.566	47.030
10)	B	gamma-Chl...	5.937	4.977	123.3E6	170.1E6	46.328	50.587m
11)	B	alpha-Chl...	6.017	5.042	121.0E6	169.8E6	45.699	51.050
12)	B	4,4'-DDE	6.190	5.231	110.1E6	169.4E6	46.489	52.581
13)	MA	Dieldrin	6.343	5.362	116.7E6	168.5E6	44.266	50.454
14)	MA	Endrin	6.571	5.637	101.5E6	151.9E6	44.585m	52.512m
15)	B	Endosulfa...	6.791	5.933	106.2E6	140.6E6	44.554m	49.639
16)	A	4,4'-DDD	6.707	5.786	88274481	129.5E6	45.988m	52.011
17)	MA	4,4'-DDT	7.022	6.036	104.0E6	137.0E6	50.237	51.077
18)	B	Endrin al...	6.921	6.112	77298481	106.7E6	41.161m	46.261
19)	B	Endosulfa...	7.157	6.335	91023048	126.1E6	41.940	46.765
20)	A	Methoxychlor	7.499	6.612	49633750	70726700	43.538	49.527
21)	B	Endrin ke...	7.642	6.841	106.1E6	145.5E6	43.812	47.404
22)		Mirex	8.116	7.021	75067847	109.8E6	37.880	42.077

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

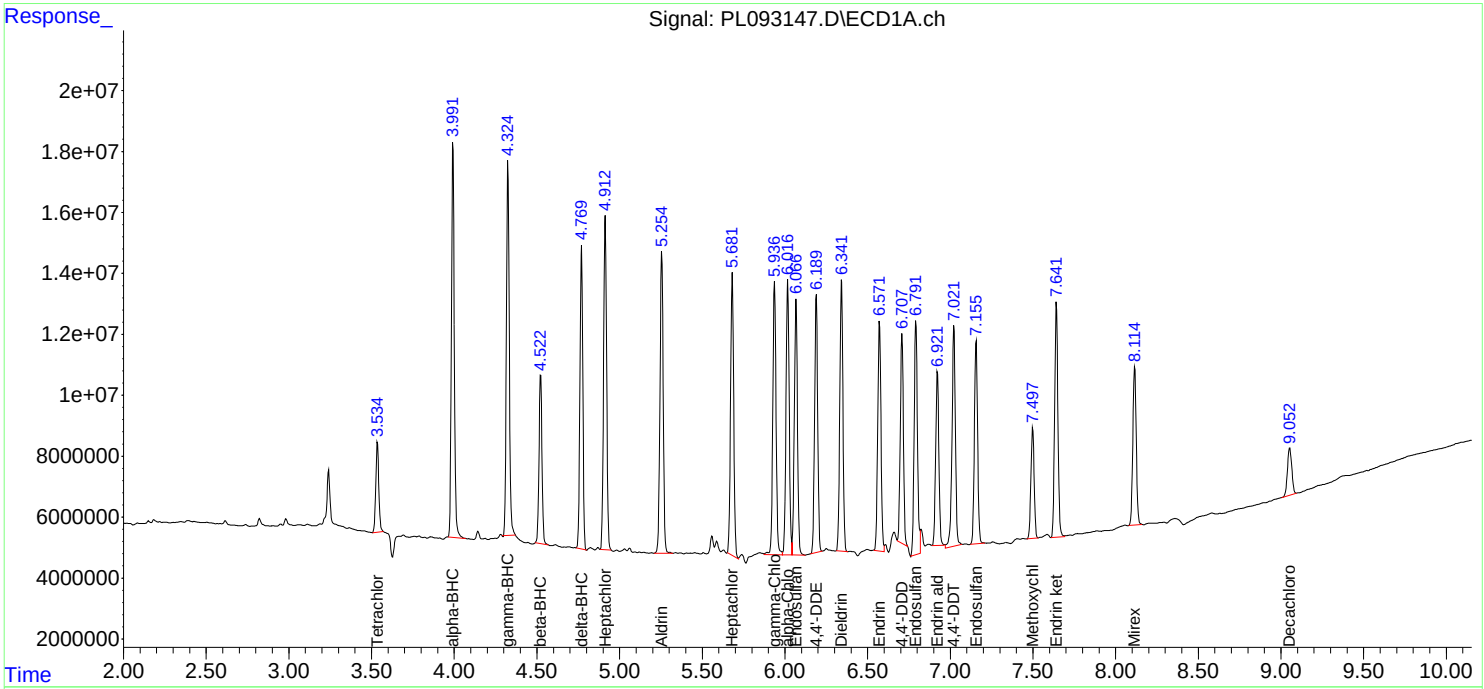
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 15:37
Operator : AR\AJ
Sample : P4860-08MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

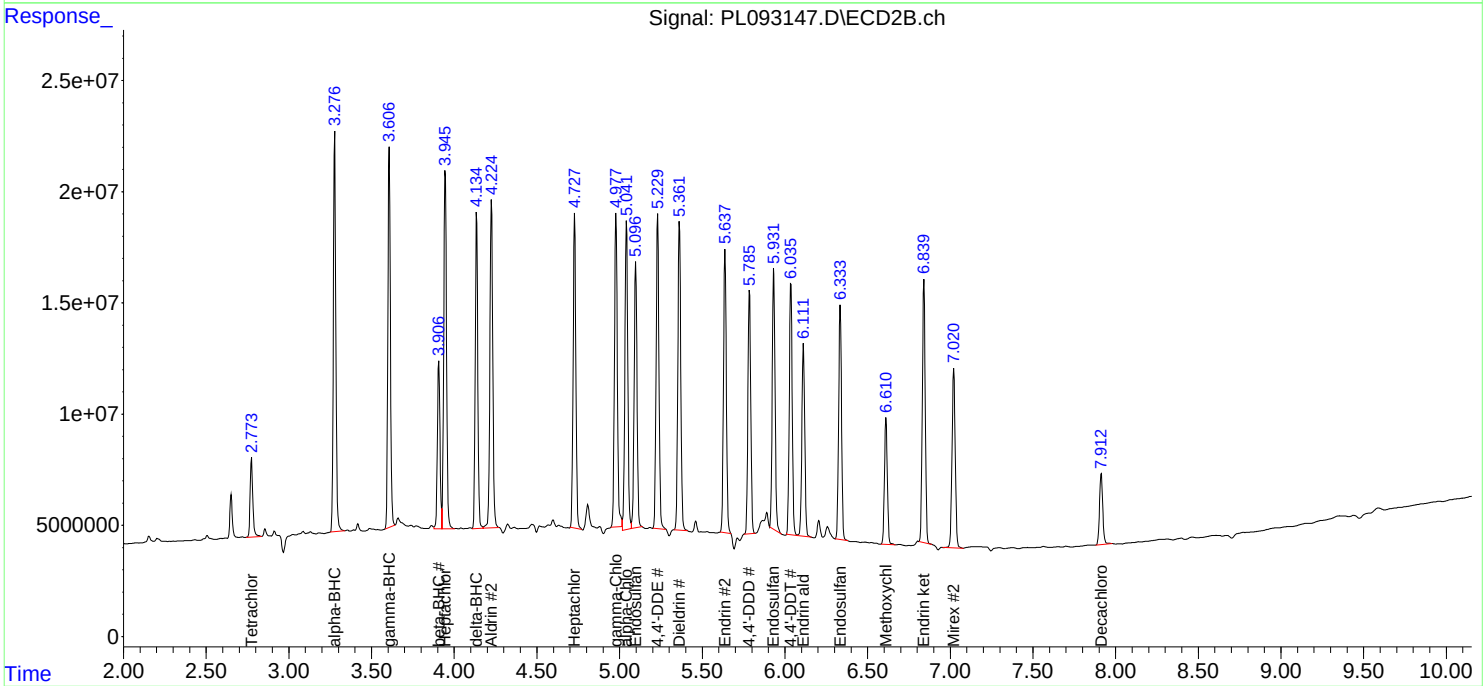
Instrument :
ECD_L
ClientSampleId :
PH2-BOT-007MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:07:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093148.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 15:50
Operator : AR\AJ
Sample : P4860-08MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PH2-BOT-007MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:08:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.534	2.774	36909990	38702462	15.064m	14.223
28)	SA Decachlor...	9.053	7.912	27957990	42945544	14.527	15.735
	Target Compounds						
2)	A alpha-BHC	3.992	3.277	156.3E6	186.4E6	46.076	46.710
3)	MA gamma-BHC...	4.324	3.607	148.0E6	177.9E6	45.404	46.082
4)	MA Heptachlor	4.913	3.946	140.2E6	186.1E6	46.698	49.322
5)	MB Aldrin	5.255	4.225	131.3E6	175.0E6	43.741	47.803
6)	B beta-BHC	4.523	3.907	66271382	80243137	45.848	48.743
7)	B delta-BHC	4.770	4.136	117.7E6	150.0E6	37.618	39.035
8)	B Heptachlo...	5.682	4.728	122.6E6	160.7E6	44.410	48.088
9)	A Endosulfan I	6.067	5.098	111.1E6	135.1E6	44.405	44.253
10)	B gamma-Chl...	5.938	4.977	123.3E6	167.0E6	46.333	49.676m
11)	B alpha-Chl...	6.017	5.043	120.5E6	167.0E6	45.490	50.214
12)	B 4,4'-DDE	6.190	5.231	109.4E6	168.7E6	46.165	52.351
13)	MA Dieldrin	6.342	5.363	115.9E6	167.3E6	43.971	50.087
14)	MA Endrin	6.571	5.638	101.9E6	156.2E6	44.739m	53.993
15)	B Endosulfa...	6.791	5.933	108.0E6	140.0E6	45.320m	49.427
16)	A 4,4'-DDD	6.707	5.786	89272736	131.7E6	46.508m	52.881
17)	MA 4,4'-DDT	7.022	6.035	103.8E6	138.9E6	50.169	51.787m
18)	B Endrin al...	6.920	6.112	77651355	105.5E6	41.348m	45.737
19)	B Endosulfa...	7.157	6.335	91597503	126.8E6	42.204	47.022
20)	A Methoxychlor	7.498	6.611	49288302	70014676	43.235	49.029
21)	B Endrin ke...	7.642	6.841	106.5E6	144.9E6	43.941	47.217
22)	Mirex	8.115	7.020	75442808	108.7E6	38.070	41.679

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

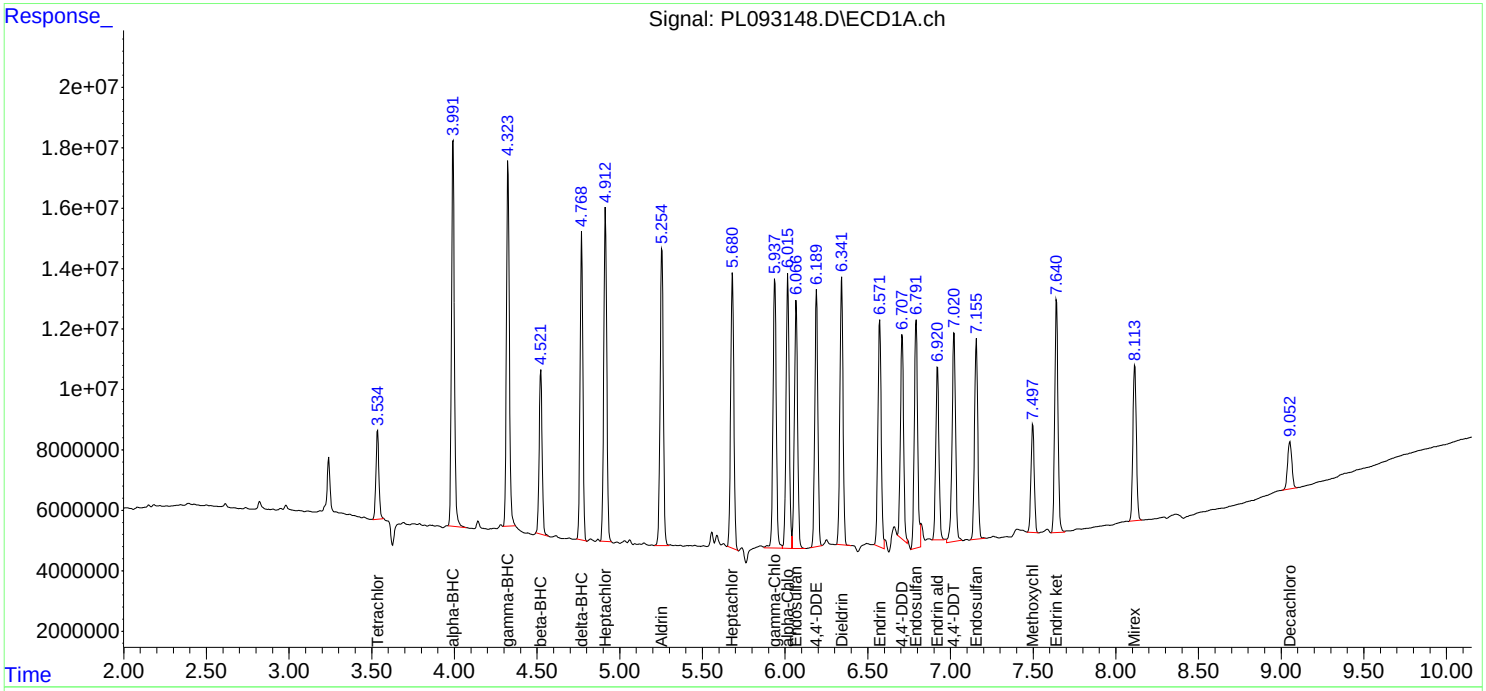
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111924\
Data File : PL093148.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 15:50
Operator : AR\AJ
Sample : P4860-08MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

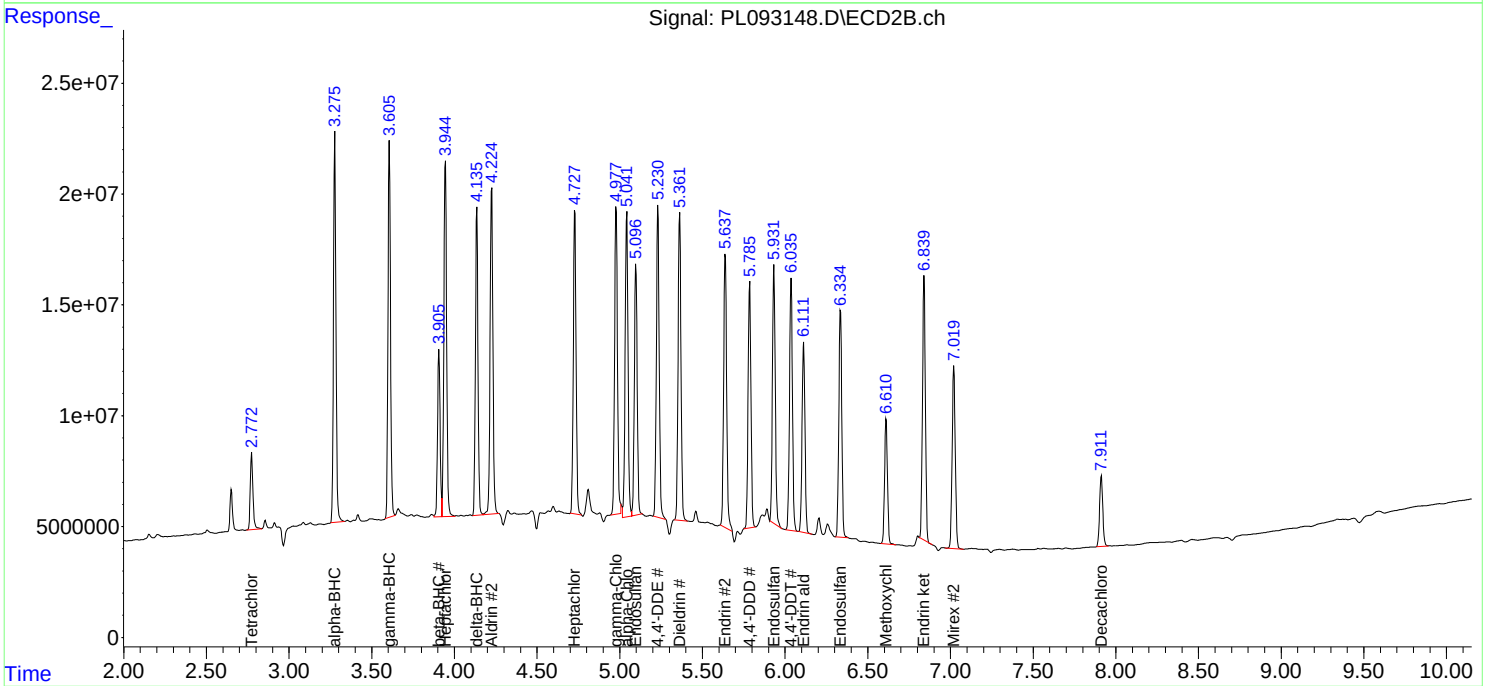
Instrument :
ECD_L
ClientSampleId :
PH2-BOT-007MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/20/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 23:08:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





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

Manual Integration Report

Sequence:	PL102824	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092653.D	4,4"-DDD	Abdul	10/29/2024 9:08:09 AM	Ankita	10/29/2024 10:01:26	Peak Integrated by Software
PEM	PL092653.D	4,4"-DDD #2	Abdul	10/29/2024 9:08:09 AM	Ankita	10/29/2024 10:01:26	Peak Integrated by Software
PSTDICC005	PL092659.D	delta-BHC	Abdul	10/29/2024 9:08:13 AM	Ankita	10/29/2024 10:01:28	Peak Integrated by Software
PSTDICC005	PL092659.D	Heptachlor epoxide	Abdul	10/29/2024 9:08:13 AM	Ankita	10/29/2024 10:01:28	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDD #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDE	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDE #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	Endrin ketone #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PSTDCCC050	PL092675.D	Aldrin	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	Dieldrin #2	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	gamma-BHC (Lindane)	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	Tetrachloro-m-xylene #2	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
I.BLK	PL092690.D	Tetrachloro-m-xylene #2	Abdul	10/29/2024 9:09:28 AM	Ankita	10/29/2024 10:02:09	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL102824	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092691.D	Endosulfan II #2	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	gamma-Chlordane	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	Heptachlor epoxide	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	Mirex #2	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl111824	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093099.D	Endrin	yogesh	11/19/2024 9:09:06 AM	Ankita	11/19/2024 4:46:48	Peak Integrated by Software
P4860-03	PL093107.D	4,4"-DDD	yogesh	11/19/2024 9:10:09 AM	Ankita	11/19/2024 4:46:57	Peak Integrated by Software
P4860-03	PL093107.D	4,4"-DDD #2	yogesh	11/19/2024 9:10:09 AM	Ankita	11/19/2024 4:46:57	Peak Integrated by Software
P4860-03	PL093107.D	4,4"-DDE #2	yogesh	11/19/2024 9:10:09 AM	Ankita	11/19/2024 4:46:57	Peak Integrated by Software
P4860-03	PL093107.D	4,4"-DDT	yogesh	11/19/2024 9:10:09 AM	Ankita	11/19/2024 4:46:57	Peak Integrated by Software
P4860-03	PL093107.D	Tetrachloro-m-xylene	yogesh	11/19/2024 9:10:09 AM	Ankita	11/19/2024 4:46:57	Peak Integrated by Software
P4860-03	PL093107.D	Tetrachloro-m-xylene #2	yogesh	11/19/2024 9:10:09 AM	Ankita	11/19/2024 4:46:57	Peak Integrated by Software
P4860-04	PL093108.D	4,4"-DDD	yogesh	11/19/2024 9:10:11 AM	Ankita	11/19/2024 4:46:59	Peak Integrated by Software
P4860-04	PL093108.D	4,4"-DDD #2	yogesh	11/19/2024 9:10:11 AM	Ankita	11/19/2024 4:46:59	Peak Integrated by Software
P4860-04	PL093108.D	4,4"-DDT	yogesh	11/19/2024 9:10:11 AM	Ankita	11/19/2024 4:46:59	Peak Integrated by Software
P4860-04	PL093108.D	4,4"-DDT #2	yogesh	11/19/2024 9:10:11 AM	Ankita	11/19/2024 4:46:59	Peak Integrated by Software
P4860-04	PL093108.D	alpha-Chlordane	yogesh	11/19/2024 9:10:11 AM	Ankita	11/19/2024 4:46:59	Peak Integrated by Software
P4860-04	PL093108.D	Decachlorobiphenyl	yogesh	11/19/2024 9:10:11 AM	Ankita	11/19/2024 4:46:59	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl111824	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4860-04	PL093108.D	gamma-Chlordane	yogesh	11/19/2024 9:10:11 AM	Ankita	11/19/2024 4:46:59	Peak Integrated by Software
P4860-04	PL093108.D	gamma-Chlordane #2	yogesh	11/19/2024 9:10:11 AM	Ankita	11/19/2024 4:46:59	Peak Integrated by Software
P4860-04	PL093108.D	Tetrachloro-m-xylene	yogesh	11/19/2024 9:10:11 AM	Ankita	11/19/2024 4:46:59	Peak Integrated by Software
P4860-05	PL093109.D	4,4"-DDD	yogesh	11/19/2024 9:10:13 AM	Ankita	11/19/2024 4:47:02	Peak Integrated by Software
P4860-05	PL093109.D	4,4"-DDD #2	yogesh	11/19/2024 9:10:13 AM	Ankita	11/19/2024 4:47:02	Peak Integrated by Software
P4860-05	PL093109.D	4,4"-DDE	yogesh	11/19/2024 9:10:13 AM	Ankita	11/19/2024 4:47:02	Peak Integrated by Software
P4860-05	PL093109.D	4,4"-DDE #2	yogesh	11/19/2024 9:10:13 AM	Ankita	11/19/2024 4:47:02	Peak Integrated by Software
P4860-05	PL093109.D	4,4"-DDT	yogesh	11/19/2024 9:10:13 AM	Ankita	11/19/2024 4:47:02	Peak Integrated by Software
P4860-05	PL093109.D	alpha-Chlordane #2	yogesh	11/19/2024 9:10:13 AM	Ankita	11/19/2024 4:47:02	Peak Integrated by Software
P4860-05	PL093109.D	gamma-Chlordane	yogesh	11/19/2024 9:10:13 AM	Ankita	11/19/2024 4:47:02	Peak Integrated by Software
P4860-05	PL093109.D	gamma-Chlordane #2	yogesh	11/19/2024 9:10:13 AM	Ankita	11/19/2024 4:47:02	Peak Integrated by Software
P4860-05	PL093109.D	Tetrachloro-m-xylene	yogesh	11/19/2024 9:10:13 AM	Ankita	11/19/2024 4:47:02	Peak Integrated by Software
PEM	PL093111.D	Endrin	yogesh	11/19/2024 9:10:15 AM	Ankita	11/19/2024 4:47:04	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl111824	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4860-06	PL093113.D	Tetrachloro-m-xylene	yogesh	11/19/2024 9:10:41 AM	Ankita	11/19/2024 4:47:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL111924	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL093137.D	4,4"-DDD	yogesh	11/20/2024 7:59:06 AM	Ankita	11/20/2024 11:55:44	Peak Integrated by Software
PEM	PL093137.D	4,4"-DDD #2	yogesh	11/20/2024 7:59:06 AM	Ankita	11/20/2024 11:55:44	Peak Integrated by Software
PEM	PL093137.D	4,4"-DDT #2	yogesh	11/20/2024 7:59:06 AM	Ankita	11/20/2024 11:55:44	Peak Integrated by Software
PEM	PL093137.D	Endrin	yogesh	11/20/2024 7:59:06 AM	Ankita	11/20/2024 11:55:44	Peak Integrated by Software
PEM	PL093137.D	Endrin ketone #2	yogesh	11/20/2024 7:59:06 AM	Ankita	11/20/2024 11:55:44	Peak Integrated by Software
PSTDCCC050	PL093138.D	4,4"-DDD	yogesh	11/20/2024 7:59:09 AM	Ankita	11/20/2024 11:55:46	Peak Integrated by Software
PSTDCCC050	PL093138.D	4,4"-DDT #2	yogesh	11/20/2024 7:59:09 AM	Ankita	11/20/2024 11:55:46	Peak Integrated by Software
PSTDCCC050	PL093138.D	Endosulfan II #2	yogesh	11/20/2024 7:59:09 AM	Ankita	11/20/2024 11:55:46	Peak Integrated by Software
PB165046BS	PL093139.D	4,4"-DDD	yogesh	11/20/2024 7:59:12 AM	Ankita	11/20/2024 11:55:48	Peak Integrated by Software
PB165046BS	PL093139.D	Endrin ketone #2	yogesh	11/20/2024 7:59:12 AM	Ankita	11/20/2024 11:55:48	Peak Integrated by Software
PB165046BS	PL093139.D	gamma-BHC (Lindane)	yogesh	11/20/2024 7:59:12 AM	Ankita	11/20/2024 11:55:48	Peak Integrated by Software
PB165046BS	PL093139.D	Mirex #2	yogesh	11/20/2024 7:59:12 AM	Ankita	11/20/2024 11:55:48	Peak Integrated by Software
P4860-01	PL093141.D	4,4"-DDD	yogesh	11/20/2024 11:54:29 AM	Ankita	11/20/2024 11:55:50	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL111924	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4860-01	PL093141.D	4,4"-DDD #2	yogesh	11/20/2024 11:54:29 AM	Ankita	11/20/2024 11:55:50	Peak Integrated by Software
P4860-01	PL093141.D	4,4"-DDE	yogesh	11/20/2024 11:54:29 AM	Ankita	11/20/2024 11:55:50	Peak Integrated by Software
P4860-01	PL093141.D	alpha-Chlordane	yogesh	11/20/2024 11:54:29 AM	Ankita	11/20/2024 11:55:50	Peak Integrated by Software
P4860-01	PL093141.D	alpha-Chlordane #2	yogesh	11/20/2024 11:54:29 AM	Ankita	11/20/2024 11:55:50	Peak Integrated by Software
P4860-01	PL093141.D	gamma-Chlordane	yogesh	11/20/2024 11:54:29 AM	Ankita	11/20/2024 11:55:50	Peak Integrated by Software
P4860-01	PL093141.D	gamma-Chlordane #2	yogesh	11/20/2024 11:54:29 AM	Ankita	11/20/2024 11:55:50	Peak Integrated by Software
P4860-01	PL093141.D	Tetrachloro-m-xylene	yogesh	11/20/2024 11:54:29 AM	Ankita	11/20/2024 11:55:50	Peak Integrated by Software
P4860-02	PL093142.D	4,4"-DDD	yogesh	11/20/2024 11:54:31 AM	Ankita	11/20/2024 11:55:52	Peak Integrated by Software
P4860-02	PL093142.D	4,4"-DDD #2	yogesh	11/20/2024 11:54:31 AM	Ankita	11/20/2024 11:55:52	Peak Integrated by Software
P4860-02	PL093142.D	4,4"-DDE #2	yogesh	11/20/2024 11:54:31 AM	Ankita	11/20/2024 11:55:52	Peak Integrated by Software
P4860-02	PL093142.D	4,4"-DDT	yogesh	11/20/2024 11:54:31 AM	Ankita	11/20/2024 11:55:52	Peak Integrated by Software
P4860-02	PL093142.D	alpha-Chlordane	yogesh	11/20/2024 11:54:31 AM	Ankita	11/20/2024 11:55:52	Peak Integrated by Software
P4860-02	PL093142.D	alpha-Chlordane #2	yogesh	11/20/2024 11:54:31 AM	Ankita	11/20/2024 11:55:52	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL111924	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4860-02	PL093142.D	Dieldrin	yogesh	11/20/2024 11:54:31 AM	Ankita	11/20/2024 11:55:52	Peak Integrated by Software
P4860-02	PL093142.D	Dieldrin #2	yogesh	11/20/2024 11:54:31 AM	Ankita	11/20/2024 11:55:52	Peak Integrated by Software
P4860-02	PL093142.D	gamma-Chlordane	yogesh	11/20/2024 11:54:31 AM	Ankita	11/20/2024 11:55:52	Peak Integrated by Software
P4860-02	PL093142.D	gamma-Chlordane #2	yogesh	11/20/2024 11:54:31 AM	Ankita	11/20/2024 11:55:52	Peak Integrated by Software
P4860-02	PL093142.D	Tetrachloro-m-xylene	yogesh	11/20/2024 11:54:31 AM	Ankita	11/20/2024 11:55:52	Peak Integrated by Software
P4860-09	PL093143.D	Tetrachloro-m-xylene	yogesh	11/20/2024 11:54:32 AM	Ankita	11/20/2024 11:55:53	Peak Integrated by Software
P4860-10	PL093144.D	Tetrachloro-m-xylene	yogesh	11/20/2024 11:54:35 AM	Ankita	11/20/2024 11:55:55	Peak Integrated by Software
P4860-07	PL093145.D	4,4"-DDD	yogesh	11/20/2024 11:54:36 AM	Ankita	11/20/2024 11:55:58	Peak Integrated by Software
P4860-07	PL093145.D	4,4"-DDD #2	yogesh	11/20/2024 11:54:36 AM	Ankita	11/20/2024 11:55:58	Peak Integrated by Software
P4860-07	PL093145.D	4,4"-DDT	yogesh	11/20/2024 11:54:36 AM	Ankita	11/20/2024 11:55:58	Peak Integrated by Software
P4860-07	PL093145.D	alpha-Chlordane #2	yogesh	11/20/2024 11:54:36 AM	Ankita	11/20/2024 11:55:58	Peak Integrated by Software
P4860-07	PL093145.D	gamma-Chlordane #2	yogesh	11/20/2024 11:54:36 AM	Ankita	11/20/2024 11:55:58	Peak Integrated by Software
P4860-07	PL093145.D	Tetrachloro-m-xylene	yogesh	11/20/2024 11:54:36 AM	Ankita	11/20/2024 11:55:58	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL111924	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4860-08	PL093146.D	4,4"-DDD	yogesh	11/20/2024 11:54:38 AM	Ankita	11/20/2024 11:56:00	Peak Integrated by Software
P4860-08	PL093146.D	4,4"-DDD #2	yogesh	11/20/2024 11:54:38 AM	Ankita	11/20/2024 11:56:00	Peak Integrated by Software
P4860-08	PL093146.D	4,4"-DDE #2	yogesh	11/20/2024 11:54:38 AM	Ankita	11/20/2024 11:56:00	Peak Integrated by Software
P4860-08	PL093146.D	4,4"-DDT	yogesh	11/20/2024 11:54:38 AM	Ankita	11/20/2024 11:56:00	Peak Integrated by Software
P4860-08	PL093146.D	4,4"-DDT #2	yogesh	11/20/2024 11:54:38 AM	Ankita	11/20/2024 11:56:00	Peak Integrated by Software
P4860-08	PL093146.D	Tetrachloro-m-xylene	yogesh	11/20/2024 11:54:38 AM	Ankita	11/20/2024 11:56:00	Peak Integrated by Software
P4860-08MS	PL093147.D	4,4"-DDD	yogesh	11/20/2024 7:59:29 AM	Ankita	11/20/2024 11:56:01	Peak Integrated by Software
P4860-08MS	PL093147.D	Endosulfan II	yogesh	11/20/2024 7:59:29 AM	Ankita	11/20/2024 11:56:01	Peak Integrated by Software
P4860-08MS	PL093147.D	Endrin	yogesh	11/20/2024 7:59:29 AM	Ankita	11/20/2024 11:56:01	Peak Integrated by Software
P4860-08MS	PL093147.D	Endrin #2	yogesh	11/20/2024 7:59:29 AM	Ankita	11/20/2024 11:56:01	Peak Integrated by Software
P4860-08MS	PL093147.D	Endrin aldehyde	yogesh	11/20/2024 7:59:29 AM	Ankita	11/20/2024 11:56:01	Peak Integrated by Software
P4860-08MS	PL093147.D	gamma-Chlordane #2	yogesh	11/20/2024 7:59:29 AM	Ankita	11/20/2024 11:56:01	Peak Integrated by Software
P4860-08MS	PL093147.D	Tetrachloro-m-xylene	yogesh	11/20/2024 7:59:29 AM	Ankita	11/20/2024 11:56:01	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL111924	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4860-08MSD	PL093148.D	4,4"-DDD	yogesh	11/20/2024 11:54:40 AM	Ankita	11/20/2024 11:56:03	Peak Integrated by Software
P4860-08MSD	PL093148.D	4,4"-DDT #2	yogesh	11/20/2024 11:54:40 AM	Ankita	11/20/2024 11:56:03	Peak Integrated by Software
P4860-08MSD	PL093148.D	Endosulfan II	yogesh	11/20/2024 11:54:40 AM	Ankita	11/20/2024 11:56:03	Peak Integrated by Software
P4860-08MSD	PL093148.D	Endrin	yogesh	11/20/2024 11:54:40 AM	Ankita	11/20/2024 11:56:03	Peak Integrated by Software
P4860-08MSD	PL093148.D	Endrin aldehyde	yogesh	11/20/2024 11:54:40 AM	Ankita	11/20/2024 11:56:03	Peak Integrated by Software
P4860-08MSD	PL093148.D	gamma-Chlordane #2	yogesh	11/20/2024 11:54:40 AM	Ankita	11/20/2024 11:56:03	Peak Integrated by Software
P4860-08MSD	PL093148.D	Tetrachloro-m-xylene	yogesh	11/20/2024 11:54:40 AM	Ankita	11/20/2024 11:56:03	Peak Integrated by Software
PSTDCCC050	PL093153.D	4,4"-DDD #2	yogesh	11/20/2024 7:59:40 AM	Ankita	11/20/2024 11:56:15	Peak Integrated by Software
PSTDCCC050	PL093153.D	Aldrin	yogesh	11/20/2024 7:59:40 AM	Ankita	11/20/2024 11:56:15	Peak Integrated by Software
PSTDCCC050	PL093153.D	gamma-Chlordane	yogesh	11/20/2024 7:59:40 AM	Ankita	11/20/2024 11:56:15	Peak Integrated by Software
PSTDCCC050	PL093166.D	4,4"-DDD #2	yogesh	11/20/2024 11:54:54 AM	Ankita	11/20/2024 11:56:35	Peak Integrated by Software
PSTDCCC050	PL093166.D	4,4"-DDT #2	yogesh	11/20/2024 11:54:54 AM	Ankita	11/20/2024 11:56:35	Peak Integrated by Software
PSTDCCC050	PL093166.D	Aldrin	yogesh	11/20/2024 11:54:54 AM	Ankita	11/20/2024 11:56:35	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL111924	Instrument	ECD_I

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

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092651.D	28 Oct 2024 13:41	AR\AJ	Ok
2	I.BLK	PL092652.D	28 Oct 2024 13:55	AR\AJ	Ok
3	PEM	PL092653.D	28 Oct 2024 14:16	AR\AJ	Ok,M
4	RESCHK	PL092654.D	28 Oct 2024 14:29	AR\AJ	Ok
5	PSTDICC100	PL092655.D	28 Oct 2024 14:43	AR\AJ	Ok
6	PSTDICC075	PL092656.D	28 Oct 2024 14:56	AR\AJ	Ok
7	PSTDICC050	PL092657.D	28 Oct 2024 15:09	AR\AJ	Ok
8	PSTDICC025	PL092658.D	28 Oct 2024 15:23	AR\AJ	Ok
9	PSTDICC005	PL092659.D	28 Oct 2024 15:36	AR\AJ	Ok,M
10	PCHLORICC1000	PL092660.D	28 Oct 2024 15:49	AR\AJ	Ok
11	PCHLORICC750	PL092661.D	28 Oct 2024 16:03	AR\AJ	Ok
12	PCHLORICC500	PL092662.D	28 Oct 2024 16:16	AR\AJ	Ok
13	PCHLORICC250	PL092663.D	28 Oct 2024 16:30	AR\AJ	Ok
14	PCHLORICC050	PL092664.D	28 Oct 2024 16:43	AR\AJ	Ok
15	PTOXICC1000	PL092665.D	28 Oct 2024 16:56	AR\AJ	Ok
16	PTOXICC750	PL092666.D	28 Oct 2024 17:10	AR\AJ	Ok
17	PTOXICC500	PL092667.D	28 Oct 2024 17:23	AR\AJ	Ok
18	PTOXICC250	PL092668.D	28 Oct 2024 17:37	AR\AJ	Ok
19	PTOXICC100	PL092669.D	28 Oct 2024 17:50	AR\AJ	Ok,M
20	PSTDICV050	PL092670.D	28 Oct 2024 18:03	AR\AJ	Ok
21	PCHLORICV500	PL092671.D	28 Oct 2024 18:30	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PL092672.D	28 Oct 2024 18:57	AR\AJ	Ok
23	I.BLK	PL092673.D	28 Oct 2024 19:24	AR\AJ	Ok
24	PEM	PL092674.D	28 Oct 2024 19:37	AR\AJ	Ok,M
25	PSTDCCC050	PL092675.D	28 Oct 2024 19:51	AR\AJ	Ok,M
26	PB164460BL	PL092676.D	28 Oct 2024 20:04	AR\AJ	Ok,M
27	PB164460BS	PL092677.D	28 Oct 2024 20:17	AR\AJ	Ok,M
28	P4575-01	PL092678.D	28 Oct 2024 20:31	AR\AJ	Ok,M
29	P4566-01	PL092679.D	28 Oct 2024 20:44	AR\AJ	Ok,M
30	P4567-01	PL092680.D	28 Oct 2024 20:57	AR\AJ	Ok,M
31	P4567-05	PL092681.D	28 Oct 2024 21:11	AR\AJ	Ok
32	P4567-09	PL092682.D	28 Oct 2024 21:24	AR\AJ	Ok,M
33	P4574-01	PL092683.D	28 Oct 2024 21:38	AR\AJ	Ok,M
34	P4574-04	PL092684.D	28 Oct 2024 21:51	AR\AJ	Ok,M
35	P4577-01	PL092685.D	28 Oct 2024 22:04	AR\AJ	Ok,M
36	P4561-01	PL092686.D	28 Oct 2024 22:18	AR\AJ	Ok,M
37	P4561-01MS	PL092687.D	28 Oct 2024 22:31	AR\AJ	Ok,M
38	P4561-01MSD	PL092688.D	28 Oct 2024 22:44	AR\AJ	Ok,M
39	P4561-05	PL092689.D	28 Oct 2024 22:58	AR\AJ	Ok,M
40	I.BLK	PL092690.D	28 Oct 2024 23:11	AR\AJ	Ok,M
41	PSTDCCC050	PL092691.D	29 Oct 2024 00:32	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL111824

Review By	yogesh	Review On	11/19/2024 9:13:18 AM		
Supervise By	Ankita	Supervise On	11/19/2024 4:48:08 PM		
SubDirectory	PL111824	HP Acquire Method		HP Processing Method	PL102824

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL093097.D	18 Nov 2024 09:19	AR\AJ	Ok
2	I.BLK	PL093098.D	18 Nov 2024 09:32	AR\AJ	Ok
3	PEM	PL093099.D	18 Nov 2024 09:46	AR\AJ	Ok,M
4	PSTDCCC050	PL093100.D	18 Nov 2024 09:59	AR\AJ	Ok
5	PB164992BL	PL093101.D	18 Nov 2024 10:12	AR\AJ	Ok
6	P4848-01	PL093102.D	18 Nov 2024 10:25	AR\AJ	Ok,M
7	PB165046BL	PL093103.D	18 Nov 2024 11:33	AR\AJ	Not Ok
8	PB165046BS	PL093104.D	18 Nov 2024 11:46	AR\AJ	Not Ok
9	P4860-01	PL093105.D	18 Nov 2024 12:00	AR\AJ	Not Ok
10	P4860-02	PL093106.D	18 Nov 2024 12:13	AR\AJ	Not Ok
11	P4860-03	PL093107.D	18 Nov 2024 12:26	AR\AJ	Ok,M
12	P4860-04	PL093108.D	18 Nov 2024 12:39	AR\AJ	Ok,M
13	P4860-05	PL093109.D	18 Nov 2024 12:52	AR\AJ	Ok,M
14	I.BLK	PL093110.D	18 Nov 2024 13:05	AR\AJ	Ok
15	PEM	PL093111.D	18 Nov 2024 13:19	AR\AJ	Ok,M
16	PSTDCCC050	PL093112.D	18 Nov 2024 13:32	AR\AJ	Ok
17	P4860-06	PL093113.D	18 Nov 2024 13:45	AR\AJ	Ok,M
18	P4860-07	PL093114.D	18 Nov 2024 13:58	AR\AJ	Not Ok
19	P4860-08	PL093115.D	18 Nov 2024 14:11	AR\AJ	Not Ok
20	P4860-08MS	PL093116.D	18 Nov 2024 14:24	AR\AJ	Not Ok
21	P4860-08MSD	PL093117.D	18 Nov 2024 14:38	AR\AJ	Not Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL111824

Review By	yogesh	Review On	11/19/2024 9:13:18 AM		
Supervise By	Ankita	Supervise On	11/19/2024 4:48:08 PM		
SubDirectory	PL111824	HP Acquire Method		HP Processing Method	PL102824

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4860-09	PL093118.D	18 Nov 2024 14:51	AR\AJ	Not Ok
23	P4860-10	PL093119.D	18 Nov 2024 15:04	AR\AJ	Not Ok
24	P4869-01	PL093120.D	18 Nov 2024 15:17	AR\AJ	Ok,M
25	P4887-01	PL093121.D	18 Nov 2024 15:30	AR\AJ	Ok,M
26	P4887-05	PL093122.D	18 Nov 2024 15:43	AR\AJ	Ok,M
27	P4889-01	PL093123.D	18 Nov 2024 15:56	AR\AJ	Dilution
28	P4889-03	PL093124.D	18 Nov 2024 16:10	AR\AJ	Ok,M
29	P4889-05	PL093125.D	18 Nov 2024 16:23	AR\AJ	Not Ok
30	PB165053BL	PL093126.D	18 Nov 2024 16:36	AR\AJ	Ok
31	PB165053BS	PL093127.D	18 Nov 2024 16:49	AR\AJ	Ok,M
32	PB165019TB	PL093128.D	18 Nov 2024 17:02	AR\AJ	Ok
33	P4861-01	PL093129.D	18 Nov 2024 17:16	AR\AJ	Ok
34	P4861-01MS	PL093130.D	18 Nov 2024 17:29	AR\AJ	Ok,M
35	P4861-01MSD	PL093131.D	18 Nov 2024 17:42	AR\AJ	Ok,M
36	P4871-01	PL093132.D	18 Nov 2024 17:55	AR\AJ	Ok
37	I.BLK	PL093133.D	18 Nov 2024 18:08	AR\AJ	Ok
38	PSTDCCC050	PL093134.D	18 Nov 2024 18:21	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL111924

Review By	yogesh	Review On	11/20/2024 8:00:21 AM		
Supervise By	Ankita	Supervise On	11/20/2024 12:01:41 PM		
SubDirectory	PL111924	HP Acquire Method		HP Processing Method	PL102824

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL093135.D	19 Nov 2024 12:18	AR\AJ	Ok
2	I.BLK	PL093136.D	19 Nov 2024 12:44	AR\AJ	Ok
3	PEM	PL093137.D	19 Nov 2024 12:57	AR\AJ	Ok,M
4	PSTDCCC050	PL093138.D	19 Nov 2024 13:25	AR\AJ	Ok,M
5	PB165046BS	PL093139.D	19 Nov 2024 13:52	AR\AJ	Ok,M
6	PB165046BL	PL093140.D	19 Nov 2024 14:05	AR\AJ	Ok
7	P4860-01	PL093141.D	19 Nov 2024 14:18	AR\AJ	Ok,M
8	P4860-02	PL093142.D	19 Nov 2024 14:31	AR\AJ	Ok,M
9	P4860-09	PL093143.D	19 Nov 2024 14:44	AR\AJ	Ok,M
10	P4860-10	PL093144.D	19 Nov 2024 14:57	AR\AJ	Ok,M
11	P4860-07	PL093145.D	19 Nov 2024 15:11	AR\AJ	Ok,M
12	P4860-08	PL093146.D	19 Nov 2024 15:24	AR\AJ	Ok,M
13	P4860-08MS	PL093147.D	19 Nov 2024 15:37	AR\AJ	Ok,M
14	P4860-08MSD	PL093148.D	19 Nov 2024 15:50	AR\AJ	Ok,M
15	P4889-01DL	PL093149.D	19 Nov 2024 16:03	AR\AJ	Ok,NR
16	P4889-05	PL093150.D	19 Nov 2024 16:16	AR\AJ	Dilution
17	P4889-05DL	PL093151.D	19 Nov 2024 16:30	AR\AJ	Ok,M
18	I.BLK	PL093152.D	19 Nov 2024 16:43	AR\AJ	Ok
19	PSTDCCC050	PL093153.D	19 Nov 2024 16:56	AR\AJ	Ok,M
20	PB165083BL	PL093154.D	19 Nov 2024 17:22	AR\AJ	Ok
21	PB165083BS	PL093155.D	19 Nov 2024 17:36	AR\AJ	Not Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL111924

Review By	yogesh	Review On	11/20/2024 8:00:21 AM		
Supervise By	Ankita	Supervise On	11/20/2024 12:01:41 PM		
SubDirectory	PL111924	HP Acquire Method		HP Processing Method	PL102824

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4893-01	PL093156.D	19 Nov 2024 17:49	AR\AJ	Ok,M
23	P4893-05	PL093157.D	19 Nov 2024 18:02	AR\AJ	Not Ok
24	P4908-01	PL093158.D	19 Nov 2024 18:15	AR\AJ	Ok,M
25	P4908-03	PL093159.D	19 Nov 2024 18:28	AR\AJ	Ok,M
26	P4909-01	PL093160.D	19 Nov 2024 18:41	AR\AJ	Ok,M
27	P4910-01	PL093161.D	19 Nov 2024 18:55	AR\AJ	Ok,M
28	P4910-01MS	PL093162.D	19 Nov 2024 19:08	AR\AJ	Ok,M
29	P4910-01MSD	PL093163.D	19 Nov 2024 19:21	AR\AJ	Ok,M
30	P4910-05	PL093164.D	19 Nov 2024 19:34	AR\AJ	Ok
31	I.BLK	PL093165.D	19 Nov 2024 19:48	AR\AJ	Ok
32	PSTDCCC050	PL093166.D	19 Nov 2024 20:01	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092651.D	28 Oct 2024 13:41		AR\AJ	Ok
2	I.BLK	I.BLK	PL092652.D	28 Oct 2024 13:55		AR\AJ	Ok
3	PEM	PEM	PL092653.D	28 Oct 2024 14:16		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL092654.D	28 Oct 2024 14:29		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL092655.D	28 Oct 2024 14:43		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL092656.D	28 Oct 2024 14:56		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL092657.D	28 Oct 2024 15:09		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL092658.D	28 Oct 2024 15:23		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL092659.D	28 Oct 2024 15:36		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL092660.D	28 Oct 2024 15:49		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL092661.D	28 Oct 2024 16:03		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL092662.D	28 Oct 2024 16:16		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL092663.D	28 Oct 2024 16:30		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL092664.D	28 Oct 2024 16:43		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL092665.D	28 Oct 2024 16:56		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL092666.D	28 Oct 2024 17:10		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL092667.D	28 Oct 2024 17:23		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL092668.D	28 Oct 2024 17:37		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PL092669.D	28 Oct 2024 17:50		AR\AJ	Ok,M
20	PSTDICV050	ICVPL102824	PL092670.D	28 Oct 2024 18:03		AR\AJ	Ok
21	PCHLORICV500	ICVPL102824CHLOR	PL092671.D	28 Oct 2024 18:30		AR\AJ	Ok
22	PTOXICV500	ICVPL102824TOX	PL092672.D	28 Oct 2024 18:57		AR\AJ	Ok
23	I.BLK	I.BLK	PL092673.D	28 Oct 2024 19:24		AR\AJ	Ok
24	PEM	PEM	PL092674.D	28 Oct 2024 19:37		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL092675.D	28 Oct 2024 19:51		AR\AJ	Ok,M
26	PB164460BL	PB164460BL	PL092676.D	28 Oct 2024 20:04		AR\AJ	Ok,M
27	PB164460BS	PB164460BS	PL092677.D	28 Oct 2024 20:17		AR\AJ	Ok,M
28	P4575-01	PL-02-102424	PL092678.D	28 Oct 2024 20:31		AR\AJ	Ok,M
29	P4566-01	HD-01-102524	PL092679.D	28 Oct 2024 20:44		AR\AJ	Ok,M
30	P4567-01	WC-1	PL092680.D	28 Oct 2024 20:57		AR\AJ	Ok,M
31	P4567-05	WC-2	PL092681.D	28 Oct 2024 21:11		AR\AJ	Ok
32	P4567-09	WC-3	PL092682.D	28 Oct 2024 21:24		AR\AJ	Ok,M
33	P4574-01	GRAVEL-1	PL092683.D	28 Oct 2024 21:38		AR\AJ	Ok,M
34	P4574-04	GRAVEL-2	PL092684.D	28 Oct 2024 21:51		AR\AJ	Ok,M
35	P4577-01	TR-05-102524	PL092685.D	28 Oct 2024 22:04		AR\AJ	Ok,M
36	P4561-01	BP-F-19	PL092686.D	28 Oct 2024 22:18		AR\AJ	Ok,M
37	P4561-01MS	BP-F-19MS	PL092687.D	28 Oct 2024 22:31		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4561-01MSD	BP-F-19MSD	PL092688.D	28 Oct 2024 22:44		AR\AJ	Ok,M
39	P4561-05	BP-F-18	PL092689.D	28 Oct 2024 22:58		AR\AJ	Ok,M
40	I.BLK	I.BLK	PL092690.D	28 Oct 2024 23:11		AR\AJ	Ok,M
41	PSTDCCC050	PSTDCCC050	PL092691.D	29 Oct 2024 00:32		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL111824

Review By	yogesh	Review On	11/19/2024 9:13:18 AM		
Supervise By	Ankita	Supervise On	11/19/2024 4:48:08 PM		
SubDirectory	PL111824	HP Acquire Method		HP Processing Method	PL102824

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL093097.D	18 Nov 2024 09:19		AR\AJ	Ok
2	I.BLK	I.BLK	PL093098.D	18 Nov 2024 09:32		AR\AJ	Ok
3	PEM	PEM	PL093099.D	18 Nov 2024 09:46		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093100.D	18 Nov 2024 09:59		AR\AJ	Ok
5	PB164992BL	PB164992BL	PL093101.D	18 Nov 2024 10:12		AR\AJ	Ok
6	P4848-01	TP-1	PL093102.D	18 Nov 2024 10:25		AR\AJ	Ok,M
7	PB165046BL	PB165046BL	PL093103.D	18 Nov 2024 11:33		AR\AJ	Not Ok
8	PB165046BS	PB165046BS	PL093104.D	18 Nov 2024 11:46	Comp#7 recovery fail	AR\AJ	Not Ok
9	P4860-01	DUP-01	PL093105.D	18 Nov 2024 12:00	need clean up	AR\AJ	Not Ok
10	P4860-02	PH2-BOT-001	PL093106.D	18 Nov 2024 12:13	need clean up	AR\AJ	Not Ok
11	P4860-03	PH2-BOT-002	PL093107.D	18 Nov 2024 12:26		AR\AJ	Ok,M
12	P4860-04	PH2-BOT-003	PL093108.D	18 Nov 2024 12:39		AR\AJ	Ok,M
13	P4860-05	PH2-BOT-004	PL093109.D	18 Nov 2024 12:52		AR\AJ	Ok,M
14	I.BLK	I.BLK	PL093110.D	18 Nov 2024 13:05		AR\AJ	Ok
15	PEM	PEM	PL093111.D	18 Nov 2024 13:19		AR\AJ	Ok,M
16	PSTDCCC050	PSTDCCC050	PL093112.D	18 Nov 2024 13:32		AR\AJ	Ok
17	P4860-06	PH2-BOT-009	PL093113.D	18 Nov 2024 13:45		AR\AJ	Ok,M
18	P4860-07	PH2-BOT-008	PL093114.D	18 Nov 2024 13:58	associated CCC has DDD high	AR\AJ	Not Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL111824

Review By	yogesh	Review On	11/19/2024 9:13:18 AM		
Supervise By	Ankita	Supervise On	11/19/2024 4:48:08 PM		
SubDirectory	PL111824	HP Acquire Method		HP Processing Method	PL102824

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4860-08	PH2-BOT-007	PL093115.D	18 Nov 2024 14:11	associated CCC has DDD high	AR\AJ	Not Ok
20	P4860-08MS	PH2-BOT-007MS	PL093116.D	18 Nov 2024 14:24	associated CCC has DDD high	AR\AJ	Not Ok
21	P4860-08MSD	PH2-BOT-007MSD	PL093117.D	18 Nov 2024 14:38	associated CCC has DDD high	AR\AJ	Not Ok
22	P4860-09	PH2-BOT-006	PL093118.D	18 Nov 2024 14:51	need clean up	AR\AJ	Not Ok
23	P4860-10	PH2-BOT-005	PL093119.D	18 Nov 2024 15:04	need clean up	AR\AJ	Not Ok
24	P4869-01	EO-02-11152024	PL093120.D	18 Nov 2024 15:17		AR\AJ	Ok,M
25	P4887-01	MH-739	PL093121.D	18 Nov 2024 15:30		AR\AJ	Ok,M
26	P4887-05	MH-760	PL093122.D	18 Nov 2024 15:43		AR\AJ	Ok,M
27	P4889-01	VNJ-228	PL093123.D	18 Nov 2024 15:56	Need dilution	AR\AJ	Dilution
28	P4889-03	#72-11978	PL093124.D	18 Nov 2024 16:10		AR\AJ	Ok,M
29	P4889-05	#72-11930	PL093125.D	18 Nov 2024 16:23	Need dilution- associated CCC has DDD high	AR\AJ	Not Ok
30	PB165053BL	PB165053BL	PL093126.D	18 Nov 2024 16:36		AR\AJ	Ok
31	PB165053BS	PB165053BS	PL093127.D	18 Nov 2024 16:49		AR\AJ	Ok,M
32	PB165019TB	PB165019TB	PL093128.D	18 Nov 2024 17:02		AR\AJ	Ok
33	P4861-01	WC-11-A-202411	PL093129.D	18 Nov 2024 17:16		AR\AJ	Ok
34	P4861-01MS	WC-11-A-202411MS	PL093130.D	18 Nov 2024 17:29		AR\AJ	Ok,M
35	P4861-01MSD	WC-11-A-202411MSD	PL093131.D	18 Nov 2024 17:42		AR\AJ	Ok,M
36	P4871-01	WC-10-A-202411	PL093132.D	18 Nov 2024 17:55		AR\AJ	Ok
37	I.BLK	I.BLK	PL093133.D	18 Nov 2024 18:08		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL111824

Review By	yogesh	Review On	11/19/2024 9:13:18 AM		
Supervise By	Ankita	Supervise On	11/19/2024 4:48:08 PM		
SubDirectory	PL111824	HP Acquire Method		HP Processing Method	PL102824

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PSTDCCC050	PSTDCCC050	PL093134.D	18 Nov 2024 18:21		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL111924

Review By	yogesh	Review On	11/20/2024 8:00:21 AM		
Supervise By	Ankita	Supervise On	11/20/2024 12:01:41 PM		
SubDirectory	PL111924	HP Acquire Method		HP Processing Method	PL102824

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL093135.D	19 Nov 2024 12:18		AR\AJ	Ok
2	I.BLK	I.BLK	PL093136.D	19 Nov 2024 12:44		AR\AJ	Ok
3	PEM	PEM	PL093137.D	19 Nov 2024 12:57		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL093138.D	19 Nov 2024 13:25		AR\AJ	Ok,M
5	PB165046BS	PB165046BS	PL093139.D	19 Nov 2024 13:52		AR\AJ	Ok,M
6	PB165046BL	PB165046BL	PL093140.D	19 Nov 2024 14:05		AR\AJ	Ok
7	P4860-01	DUP-01	PL093141.D	19 Nov 2024 14:18		AR\AJ	Ok,M
8	P4860-02	PH2-BOT-001	PL093142.D	19 Nov 2024 14:31		AR\AJ	Ok,M
9	P4860-09	PH2-BOT-006	PL093143.D	19 Nov 2024 14:44		AR\AJ	Ok,M
10	P4860-10	PH2-BOT-005	PL093144.D	19 Nov 2024 14:57		AR\AJ	Ok,M
11	P4860-07	PH2-BOT-008	PL093145.D	19 Nov 2024 15:11		AR\AJ	Ok,M
12	P4860-08	PH2-BOT-007	PL093146.D	19 Nov 2024 15:24		AR\AJ	Ok,M
13	P4860-08MS	PH2-BOT-007MS	PL093147.D	19 Nov 2024 15:37		AR\AJ	Ok,M
14	P4860-08MSD	PH2-BOT-007MSD	PL093148.D	19 Nov 2024 15:50		AR\AJ	Ok,M
15	P4889-01DL	VNJ-228DL	PL093149.D	19 Nov 2024 16:03		AR\AJ	Ok,NR
16	P4889-05	#72-11930	PL093150.D	19 Nov 2024 16:16	Need 2x Dilution	AR\AJ	Dilution
17	P4889-05DL	#72-11930DL	PL093151.D	19 Nov 2024 16:30		AR\AJ	Ok,M
18	I.BLK	I.BLK	PL093152.D	19 Nov 2024 16:43		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL111924

Review By	yogesh	Review On	11/20/2024 8:00:21 AM		
Supervise By	Ankita	Supervise On	11/20/2024 12:01:41 PM		
SubDirectory	PL111924	HP Acquire Method		HP Processing Method	PL102824

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PSTDCCC050	PSTDCCC050	PL093153.D	19 Nov 2024 16:56		AR\AJ	Ok,M
20	PB165083BL	PB165083BL	PL093154.D	19 Nov 2024 17:22		AR\AJ	Ok
21	PB165083BS	PB165083BS	PL093155.D	19 Nov 2024 17:36	Recovery Fail in delta-BHC-I	AR\AJ	Not Ok
22	P4893-01	MH-763	PL093156.D	19 Nov 2024 17:49		AR\AJ	Ok,M
23	P4893-05	MH-762	PL093157.D	19 Nov 2024 18:02	need cleanup	AR\AJ	Not Ok
24	P4908-01	SP-1	PL093158.D	19 Nov 2024 18:15		AR\AJ	Ok,M
25	P4908-03	SP-2	PL093159.D	19 Nov 2024 18:28		AR\AJ	Ok,M
26	P4909-01	BU-02-111824	PL093160.D	19 Nov 2024 18:41		AR\AJ	Ok,M
27	P4910-01	MH-COTTAGE	PL093161.D	19 Nov 2024 18:55		AR\AJ	Ok,M
28	P4910-01MS	MH-COTTAGEMS	PL093162.D	19 Nov 2024 19:08		AR\AJ	Ok,M
29	P4910-01MSD	MH-COTTAGEMSD	PL093163.D	19 Nov 2024 19:21		AR\AJ	Ok,M
30	P4910-05	MH-759	PL093164.D	19 Nov 2024 19:34		AR\AJ	Ok
31	I.BLK	I.BLK	PL093165.D	19 Nov 2024 19:48		AR\AJ	Ok
32	PSTDCCC050	PSTDCCC050	PL093166.D	19 Nov 2024 20:01		AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB165046

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	11/18/2024
Matrix :	Solid			**Extraction Start Time :**	08:20
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	11/18/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:20
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	500 PPB	PP23928
Surrogate	1.0ML	200 PPB	PP23858
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2561
Baked Na2SO4	N/A	EP2562
Sand	N/A	E2865
Hexane	N/A	E3826
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

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
11/18/24	RP (Ext Lab)	AJ | GST PCA Cees
11:25	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165046

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 11/18/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165046BL	PBLK046	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U7-1
PB165046BS	PLCS046	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
P4860-01	DUP-01	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		3
P4860-02	PH2-BPT-001	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		4
P4860-03	PH2-BPT-002	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		5
P4860-04	PH2-BPT-003	Pesticide-TCL	30.10	N/A	ritesh	Evelyn	10	E		6
P4860-05	PH2-BPT-004	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		U1-1
P4860-06	PH2-BPT-009	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		2
P4860-07	PH2-BPT-008	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
P4860-08	PH2-BPT-007	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		4
P4860-08MS	PH2-BPT-007MS	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		5
P4860-08MSD	PH2-BPT-007MSD	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
P4860-09	PH2-BPT-006	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		U5-1
P4860-10	PH2-BPT-005	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		2
P4869-01	EO-02-11152024	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		3
P4887-01	MH-739	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	D		4
P4887-05	MH-760	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	D		5
P4889-01	VNJ-228	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
P4889-03	#72-11978	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		U6-1
P4889-05	#72-11930	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		2

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

11/19/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p4869 **WorkList ID :** 185508 **Department :** Extraction **Date :** 11-18-2024 08:13:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4860-01	DUP-01	Solid	Pesticide-TCL	Cool 4 deg C	CORN02	L41	11/14/2024	8081B
P4860-02	PH2-BPT-001	Solid	Pesticide-TCL	Cool 4 deg C	CORN02	L41	11/14/2024	8081B
P4860-03	PH2-BPT-002	Solid	Pesticide-TCL	Cool 4 deg C	CORN02	L41	11/14/2024	8081B
P4860-04	PH2-BPT-003	Solid	Pesticide-TCL	Cool 4 deg C	CORN02	L41	11/14/2024	8081B
P4860-05	PH2-BPT-004	Solid	Pesticide-TCL	Cool 4 deg C	CORN02	L41	11/14/2024	8081B
P4860-06	PH2-BPT-009	Solid	Pesticide-TCL	Cool 4 deg C	CORN02	L41	11/14/2024	8081B
P4860-07	PH2-BPT-008	Solid	Pesticide-TCL	Cool 4 deg C	CORN02	L41	11/14/2024	8081B
P4860-08	PH2-BPT-007	Solid	Pesticide-TCL	Cool 4 deg C	CORN02	L41	11/14/2024	8081B
P4860-09	PH2-BPT-006	Solid	Pesticide-TCL	Cool 4 deg C	CORN02	L41	11/14/2024	8081B
P4860-10	PH2-BPT-005	Solid	Pesticide-TCL	Cool 4 deg C	CORN02	L41	11/14/2024	8081B
P4869-01	EO-02-11152024	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	M11	11/15/2024	8081B
P4887-01	MH-739	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	M11	11/15/2024	8081B
P4887-05	MH-760	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	M11	11/15/2024	8081B
P4889-01	VNJ-228	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	M11	11/15/2024	8081B
P4889-03	#72-11978	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	M11	11/15/2024	8081B
P4889-05	#72-11930	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	M11	11/15/2024	8081B

809 of 1443

Date/Time 11/18/24 8:15

Raw Sample Received by: RJ (Ext Lab)

Raw Sample Relinquished by:

Date/Time 11/18/24 8:45

Raw Sample Received by:

Raw Sample Relinquished by: RJ (Ext Lab)

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

LAB CHRONICLE

OrderID:	P4860	**OrderDate:**	11/14/2024 1:36:41 PM
Client:	Tetra Tech	**Project:**	Ocean County Landfill 2024
Contact:	John Giuliano	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4860-01	**DUP-01**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			Pesticide-TCL	8081B		11/18/24	11/19/24	
			EPH	NJEPH		11/16/24	11/18/24	
			EPH	NJEPH		11/16/24	11/19/24	
P4860-02	**PH2-BOT-001**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			Pesticide-TCL	8081B		11/18/24	11/19/24	
			EPH	NJEPH		11/16/24	11/18/24	
			EPH	NJEPH		11/16/24	11/19/24	
P4860-03	**PH2-BOT-002**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			Pesticide-TCL	8081B		11/18/24	11/18/24	
			EPH	NJEPH		11/16/24	11/19/24	
P4860-04	**PH2-BOT-003**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			Pesticide-TCL	8081B		11/18/24	11/18/24	
			EPH	NJEPH		11/16/24	11/19/24	
P4860-05	**PH2-BOT-004**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			Pesticide-TCL	8081B		11/18/24	11/18/24	
			EPH	NJEPH		11/16/24	11/19/24	
P4860-06	**PH2-BOT-009**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			Pesticide-TCL	8081B		11/18/24	11/18/24	
			EPH	NJEPH		11/16/24	11/19/24	

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LAB CHRONICLE

P4860-07	**PH2-BOT-008**	**SOIL**			**11/14/24**		**11/14/24**
			PCB	8082A		11/18/24	11/19/24
			Pesticide-TCL	8081B		11/18/24	11/19/24
			EPH	NJEPH		11/16/24	11/19/24
P4860-08	**PH2-BOT-007**	**SOIL**			**11/14/24**		**11/14/24**
			PCB	8082A		11/18/24	11/19/24
			Pesticide-TCL	8081B		11/18/24	11/19/24
			EPH	NJEPH		11/16/24	11/19/24
P4860-09	**PH2-BOT-006**	**SOIL**			**11/14/24**		**11/14/24**
			PCB	8082A		11/18/24	11/19/24
			Pesticide-TCL	8081B		11/18/24	11/19/24
			EPH	NJEPH		11/16/24	11/19/24
P4860-10	**PH2-BOT-005**	**SOIL**			**11/14/24**		**11/14/24**
			PCB	8082A		11/18/24	11/19/24
			Pesticide-TCL	8081B		11/18/24	11/19/24
			EPH	NJEPH		11/16/24	11/19/24

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Hit Summary Sheet
SW-846

SDG No.: P4860 **Order ID:** P4860

Client: Tetra Tech **Project ID:** Ocean County Landfill 2024

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

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	96.8 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108075.D	1	11/18/24 08:20	11/19/24 01:37	PB165043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.50	U	3.50	17.5	ug/kg
11104-28-2	Aroclor-1221	6.60	U	6.60	17.5	ug/kg
11141-16-5	Aroclor-1232	3.50	U	3.50	17.5	ug/kg
53469-21-9	Aroclor-1242	3.50	U	3.50	17.5	ug/kg
12672-29-6	Aroclor-1248	8.10	U	8.10	17.5	ug/kg
11097-69-1	Aroclor-1254	2.80	U	2.80	17.5	ug/kg
37324-23-5	Aroclor-1262	4.70	U	4.70	17.5	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	17.5	ug/kg
11096-82-5	Aroclor-1260	3.00	U	3.00	17.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		30 (32) - 150 (144)	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		30 (32) - 150 (175)	117%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	96.8 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
PO108078.D	1	11/18/24 08:20	11/19/24 02:26	PB165043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.50	U	3.50	17.5	ug/kg
11104-28-2	Aroclor-1221	6.60	U	6.60	17.5	ug/kg
11141-16-5	Aroclor-1232	3.50	U	3.50	17.5	ug/kg
53469-21-9	Aroclor-1242	3.50	U	3.50	17.5	ug/kg
12672-29-6	Aroclor-1248	8.10	U	8.10	17.5	ug/kg
11097-69-1	Aroclor-1254	2.80	U	2.80	17.5	ug/kg
37324-23-5	Aroclor-1262	4.70	U	4.70	17.5	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	17.5	ug/kg
11096-82-5	Aroclor-1260	3.00	U	3.00	17.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		30 (32) - 150 (144)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.5		30 (32) - 150 (175)	123%	SPK: 20

Comments:

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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
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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	96.6 Decanted:
Sample Wt/Vol:	30.08 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
PO108079.D	1	11/18/24 08:20	11/19/24 02:42	PB165043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.50	U	3.50	17.6	ug/kg
11104-28-2	Aroclor-1221	6.60	U	6.60	17.6	ug/kg
11141-16-5	Aroclor-1232	3.50	U	3.50	17.6	ug/kg
53469-21-9	Aroclor-1242	3.50	U	3.50	17.6	ug/kg
12672-29-6	Aroclor-1248	8.10	U	8.10	17.6	ug/kg
11097-69-1	Aroclor-1254	2.80	U	2.80	17.6	ug/kg
37324-23-5	Aroclor-1262	4.70	U	4.70	17.6	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	17.6	ug/kg
11096-82-5	Aroclor-1260	3.00	U	3.00	17.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		30 (32) - 150 (144)	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		30 (32) - 150 (175)	120%	SPK: 20

Comments:

U = Not Detected
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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	97.8 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
PO108080.D	1	11/18/24 08:20	11/19/24 02:59	PB165043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.50	U	3.50	17.3	ug/kg
11104-28-2	Aroclor-1221	6.50	U	6.50	17.3	ug/kg
11141-16-5	Aroclor-1232	3.50	U	3.50	17.3	ug/kg
53469-21-9	Aroclor-1242	3.50	U	3.50	17.3	ug/kg
12672-29-6	Aroclor-1248	8.00	U	8.00	17.3	ug/kg
11097-69-1	Aroclor-1254	2.80	U	2.80	17.3	ug/kg
37324-23-5	Aroclor-1262	4.70	U	4.70	17.3	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	17.3	ug/kg
11096-82-5	Aroclor-1260	3.00	U	3.00	17.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.0		30 (32) - 150 (144)	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.4		30 (32) - 150 (175)	127%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	98.1 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
PO108081.D	1	11/18/24 08:20	11/19/24 03:16	PB165043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.50	U	3.50	17.3	ug/kg
11104-28-2	Aroclor-1221	6.50	U	6.50	17.3	ug/kg
11141-16-5	Aroclor-1232	3.50	U	3.50	17.3	ug/kg
53469-21-9	Aroclor-1242	3.50	U	3.50	17.3	ug/kg
12672-29-6	Aroclor-1248	8.00	U	8.00	17.3	ug/kg
11097-69-1	Aroclor-1254	2.80	U	2.80	17.3	ug/kg
37324-23-5	Aroclor-1262	4.70	U	4.70	17.3	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	17.3	ug/kg
11096-82-5	Aroclor-1260	3.00	U	3.00	17.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		30 (32) - 150 (144)	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.7		30 (32) - 150 (175)	123%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	98.3 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
PO108082.D	1	11/18/24 08:20	11/19/24 03:33	PB165043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.3	ug/kg
11104-28-2	Aroclor-1221	6.50	U	6.50	17.3	ug/kg
11141-16-5	Aroclor-1232	3.50	U	3.50	17.3	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.3	ug/kg
12672-29-6	Aroclor-1248	8.00	U	8.00	17.3	ug/kg
11097-69-1	Aroclor-1254	2.80	U	2.80	17.3	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.3	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	17.3	ug/kg
11096-82-5	Aroclor-1260	3.00	U	3.00	17.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.1		30 (32) - 150 (144)	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.5		30 (32) - 150 (175)	128%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	96.8 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
PO108083.D	1	11/18/24 08:20	11/19/24 03:49	PB165043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.50	U	3.50	17.5	ug/kg
11104-28-2	Aroclor-1221	6.60	U	6.60	17.5	ug/kg
11141-16-5	Aroclor-1232	3.50	U	3.50	17.5	ug/kg
53469-21-9	Aroclor-1242	3.50	U	3.50	17.5	ug/kg
12672-29-6	Aroclor-1248	8.10	U	8.10	17.5	ug/kg
11097-69-1	Aroclor-1254	2.80	U	2.80	17.5	ug/kg
37324-23-5	Aroclor-1262	4.70	U	4.70	17.5	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	17.5	ug/kg
11096-82-5	Aroclor-1260	3.00	U	3.00	17.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		30 (32) - 150 (144)	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		30 (32) - 150 (175)	116%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	98 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108084.D	1	11/18/24 08:20	11/19/24 04:06	PB165043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.50	U	3.50	17.3	ug/kg
11104-28-2	Aroclor-1221	6.50	U	6.50	17.3	ug/kg
11141-16-5	Aroclor-1232	3.50	U	3.50	17.3	ug/kg
53469-21-9	Aroclor-1242	3.50	U	3.50	17.3	ug/kg
12672-29-6	Aroclor-1248	8.00	U	8.00	17.3	ug/kg
11097-69-1	Aroclor-1254	2.80	U	2.80	17.3	ug/kg
37324-23-5	Aroclor-1262	4.70	U	4.70	17.3	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	17.3	ug/kg
11096-82-5	Aroclor-1260	3.00	U	3.00	17.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		30 (32) - 150 (144)	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		30 (32) - 150 (175)	113%	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	97.5 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
PO108085.D	1	11/18/24 08:20	11/19/24 04:23	PB165043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.50	U	3.50	17.4	ug/kg
11104-28-2	Aroclor-1221	6.60	U	6.60	17.4	ug/kg
11141-16-5	Aroclor-1232	3.50	U	3.50	17.4	ug/kg
53469-21-9	Aroclor-1242	3.50	U	3.50	17.4	ug/kg
12672-29-6	Aroclor-1248	8.10	U	8.10	17.4	ug/kg
11097-69-1	Aroclor-1254	2.80	U	2.80	17.4	ug/kg
37324-23-5	Aroclor-1262	4.70	U	4.70	17.4	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	17.4	ug/kg
11096-82-5	Aroclor-1260	3.00	U	3.00	17.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.5		30 (32) - 150 (144)	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.7		30 (32) - 150 (175)	114%	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
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	97.6 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
PO108086.D	1	11/18/24 08:20	11/19/24 04:39	PB165043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.50	U	3.50	17.4	ug/kg
11104-28-2	Aroclor-1221	6.60	U	6.60	17.4	ug/kg
11141-16-5	Aroclor-1232	3.50	U	3.50	17.4	ug/kg
53469-21-9	Aroclor-1242	3.50	U	3.50	17.4	ug/kg
12672-29-6	Aroclor-1248	8.10	U	8.10	17.4	ug/kg
11097-69-1	Aroclor-1254	2.80	U	2.80	17.4	ug/kg
37324-23-5	Aroclor-1262	4.70	U	4.70	17.4	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	17.4	ug/kg
11096-82-5	Aroclor-1260	3.00	U	3.00	17.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		30 (32) - 150 (144)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.2		30 (32) - 150 (175)	116%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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() = Laboratory InHouse Limit

QC SUMMARY

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

Surrogate Summary

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO108037.D	PIBLK-PO108037.D	Tetrachloro-m-xylene	1	20	21.2	106		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.2	116		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.0	105		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.5	112		70 (60)	130 (140)
I.BLK-PO108072.D	PIBLK-PO108072.D	Tetrachloro-m-xylene	1	20	21.5	108		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	25.1	125		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.1	106		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.7	113		70 (60)	130 (140)
PB165043BL	PB165043BL	Tetrachloro-m-xylene	1	20	20.0	100		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.1	116		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.4	97		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.7	104		30 (32)	150 (175)
PB165043BS	PB165043BS	Tetrachloro-m-xylene	1	20	21.2	106		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.9	120		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.6	98		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.5	108		30 (32)	150 (175)
P4860-01	DUP-01	Tetrachloro-m-xylene	1	20	21.7	108		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.4	117		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.1	106		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.2	106		30 (32)	150 (175)
P4860-01MS	DUP-01MS	Tetrachloro-m-xylene	1	20	20.6	103		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	22.2	111		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.1	95		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.3	101		30 (32)	150 (175)
P4860-01MSD	DUP-01MSD	Tetrachloro-m-xylene	1	20	20.5	102		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	22.2	111		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.2	96		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.1	101		30 (32)	150 (175)
P4860-02	PH2-BOT-001	Tetrachloro-m-xylene	1	20	21.9	110		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	24.5	123		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.7	108		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.9	110		30 (32)	150 (175)
P4860-03	PH2-BOT-002	Tetrachloro-m-xylene	1	20	22.5	113		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.9	120		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.3	112		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.4	107		30 (32)	150 (175)
P4860-04	PH2-BOT-003	Tetrachloro-m-xylene	1	20	23.0	115		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	25.4	127		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	23.0	115		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	23.0	115		30 (32)	150 (175)
P4860-05	PH2-BOT-004	Tetrachloro-m-xylene	1	20	22.3	112		30 (32)	150 (144)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
P4860-05	PH2-BOT-004	Decachlorobiphenyl	1	20	24.7	123		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.0	110		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.3	112		30 (32)	150 (175)
P4860-06	PH2-BOT-009	Tetrachloro-m-xylene	1	20	23.1	116		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	25.5	128		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.9	115		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	23.3	117		30 (32)	150 (175)
P4860-07	PH2-BOT-008	Tetrachloro-m-xylene	1	20	21.7	108		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.1	116		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.6	108		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.1	105		30 (32)	150 (175)
P4860-08	PH2-BOT-007	Tetrachloro-m-xylene	1	20	18.7	94		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	22.6	113		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.4	92		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.2	101		30 (32)	150 (175)
P4860-09	PH2-BOT-006	Tetrachloro-m-xylene	1	20	21.5	108		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	22.7	114		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.1	105		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.8	104		30 (32)	150 (175)
P4860-10	PH2-BOT-005	Tetrachloro-m-xylene	1	20	21.9	110		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.2	116		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.8	109		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.4	107		30 (32)	150 (175)
I.BLK-PO108088.D	PIBLK-PO108088.D	Tetrachloro-m-xylene	1	20	21.6	108		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	25.0	125		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.1	105		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.4	112		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8082A **DataFile :** PO108076.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:	**DUP-01MS**											
P4860-01MS	AR1016	172	0	173	ug/kg	101				40 (55)	140 (146)	
	AR1260	172	0	172	ug/kg	100				40 (45)	140 (144)	

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8082A **DataFile :** PO108077.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:	**DUP-01MSD**											
P4860-01MSD	AR1016	172.1	0	174	ug/kg	101		0		40 (55)	140 (146)	30 (20)
	AR1260	172.1	0	172	ug/kg	100		0		40 (45)	140 (144)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8082A **Datafile :** PO108074.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165043BS	AR1016	166.6	159	ug/kg	95				40 (71)	140 (120)	
	AR1260	166.6	163	ug/kg	98				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165043BL

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab Sample ID: PB165043BL Lab File ID: PO108073.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 11/18/2024

Date Analyzed (1): 11/19/2024 Date Analyzed (2): 11/19/2024

Time Analyzed (1): 01:04 Time Analyzed (2): 01:04

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
PB165043BS	PB165043BS	PO108074.D	11/19/2024	11/19/2024
DUP-01	P4860-01	PO108075.D	11/19/2024	11/19/2024
DUP-01MS	P4860-01MS	PO108076.D	11/19/2024	11/19/2024
DUP-01MSD	P4860-01MSD	PO108077.D	11/19/2024	11/19/2024
PH2-BOT-001	P4860-02	PO108078.D	11/19/2024	11/19/2024
PH2-BOT-002	P4860-03	PO108079.D	11/19/2024	11/19/2024
PH2-BOT-003	P4860-04	PO108080.D	11/19/2024	11/19/2024
PH2-BOT-004	P4860-05	PO108081.D	11/19/2024	11/19/2024
PH2-BOT-009	P4860-06	PO108082.D	11/19/2024	11/19/2024
PH2-BOT-008	P4860-07	PO108083.D	11/19/2024	11/19/2024
PH2-BOT-007	P4860-08	PO108084.D	11/19/2024	11/19/2024
PH2-BOT-006	P4860-09	PO108085.D	11/19/2024	11/19/2024
PH2-BOT-005	P4860-10	PO108086.D	11/19/2024	11/19/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165043BL	SDG No.:	P4860
Lab Sample ID:	PB165043BL	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
PO108073.D	1	11/18/24 08:20	11/19/24 01:04	PB165043

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	20.0		30 (32) - 150 (144)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		30 (32) - 150 (175)	116%	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:	Tetra Tech	Date Collected:	11/18/24
Project:	Ocean County Landfill 2024	Date Received:	11/18/24
Client Sample ID:	PIBLK-PO108037.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PO108037.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
PO108037.D	1		11/18/24	PO111824

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	21.0		70 (60) - 130 (140)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.5		70 (60) - 130 (140)	112%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/19/24
Project:	Ocean County Landfill 2024	Date Received:	11/19/24
Client Sample ID:	PIBLK-PO108072.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PO108072.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
PO108072.D	1		11/19/24	PO111824

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	21.1		70 (60) - 130 (140)	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.7		70 (60) - 130 (140)	113%	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
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/19/24
Project:	Ocean County Landfill 2024	Date Received:	11/19/24
Client Sample ID:	PIBLK-PO108088.D	SDG No.:	P4860
Lab Sample ID:	I.BLK-PO108088.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
PO108088.D	1		11/19/24	PO111824

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	21.1		70 (60) - 130 (140)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.4		70 (60) - 130 (140)	112%	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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165043BS	SDG No.:	P4860
Lab Sample ID:	PB165043BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108074.D	1	11/18/24 08:20	11/19/24 01:20	PB165043

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	163		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		30 (32) - 150 (144)	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		30 (32) - 150 (175)	120%	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01MS	SDG No.:	P4860
Lab Sample ID:	P4860-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	96.8 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
PO108076.D	1	11/18/24 08:20	11/19/24 01:54	PB165043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	173		3.50	17.5	ug/kg
11104-28-2	Aroclor-1221	6.60	U	6.60	17.5	ug/kg
11141-16-5	Aroclor-1232	3.50	U	3.50	17.5	ug/kg
53469-21-9	Aroclor-1242	3.50	U	3.50	17.5	ug/kg
12672-29-6	Aroclor-1248	8.10	U	8.10	17.5	ug/kg
11097-69-1	Aroclor-1254	2.80	U	2.80	17.5	ug/kg
37324-23-5	Aroclor-1262	4.70	U	4.70	17.5	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	17.5	ug/kg
11096-82-5	Aroclor-1260	172		3.00	17.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		30 (32) - 150 (144)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		30 (32) - 150 (175)	111%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01MSD	SDG No.:	P4860
Lab Sample ID:	P4860-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	96.8 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
PO108077.D	1	11/18/24 08:20	11/19/24 02:10	PB165043

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	174		3.50	17.6	ug/kg
11104-28-2	Aroclor-1221	6.60	U	6.60	17.6	ug/kg
11141-16-5	Aroclor-1232	3.50	U	3.50	17.6	ug/kg
53469-21-9	Aroclor-1242	3.50	U	3.50	17.6	ug/kg
12672-29-6	Aroclor-1248	8.10	U	8.10	17.6	ug/kg
11097-69-1	Aroclor-1254	2.80	U	2.80	17.6	ug/kg
37324-23-5	Aroclor-1262	4.70	U	4.70	17.6	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	17.6	ug/kg
11096-82-5	Aroclor-1260	172		3.00	17.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		30 (32) - 150 (144)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		30 (32) - 150 (175)	111%	SPK: 20

Comments:

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MDL = Method Detection Limit
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() = Laboratory InHouse Limit

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: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Instrument ID: ECD_O **Calibration Date(s):** 11/18/2024 11/18/2024

Calibration Times: 15:32 22:51

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

LAB FILE ID: RT 1000 = PO108038.D RT 750 = PO108039.D

RT 500 = PO108040.D RT 250 = PO108041.D RT 050 = PO108042.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.53	5.53	5.53	5.52	5.53	5.53	5.43	5.63
Aroclor-1016-2	(2)	5.55	5.55	5.55	5.55	5.55	5.55	5.45	5.65
Aroclor-1016-3	(3)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Aroclor-1016-4	(4)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1016-5	(5)	6.01	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1260-1	(1)	7.14	7.14	7.14	7.14	7.14	7.14	7.04	7.24
Aroclor-1260-2	(2)	7.40	7.39	7.40	7.39	7.39	7.39	7.29	7.49
Aroclor-1260-3	(3)	7.76	7.76	7.76	7.76	7.76	7.76	7.66	7.86
Aroclor-1260-4	(4)	7.98	7.98	7.98	7.98	7.98	7.98	7.88	8.08
Aroclor-1260-5	(5)	8.30	8.30	8.30	8.30	8.30	8.30	8.20	8.40
Decachlorobiphenyl		10.09	10.09	10.09	10.09	10.09	10.09	9.99	10.19
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1242-1	(1)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1242-2	(2)	5.55	5.55	5.55	5.55	5.55	5.55	5.45	5.65
Aroclor-1242-3	(3)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Aroclor-1242-4	(4)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1242-5	(5)	6.45	6.45	6.45	6.45	6.45	6.45	6.35	6.55
Decachlorobiphenyl		10.09	10.09	10.09	10.09	10.09	10.09	9.99	10.19
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1248-1	(1)	5.53	5.52	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1248-2	(2)	5.80	5.80	5.80	5.80	5.80	5.80	5.70	5.90
Aroclor-1248-3	(3)	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1248-4	(4)	6.41	6.41	6.41	6.41	6.41	6.41	6.31	6.51
Aroclor-1248-5	(5)	6.45	6.45	6.45	6.45	6.45	6.45	6.35	6.55
Decachlorobiphenyl		10.09	10.09	10.09	10.09	10.09	10.09	9.99	10.19
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1254-1	(1)	6.38	6.38	6.38	6.38	6.38	6.38	6.28	6.48
Aroclor-1254-2	(2)	6.60	6.60	6.60	6.60	6.60	6.60	6.50	6.70
Aroclor-1254-3	(3)	6.97	6.97	6.97	6.97	6.97	6.97	6.87	7.07
Aroclor-1254-4	(4)	7.26	7.26	7.25	7.26	7.25	7.26	7.16	7.36
Aroclor-1254-5	(5)	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
Decachlorobiphenyl		10.09	10.09	10.09	10.09	10.09	10.09	9.99	10.19
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1268-1	(1)	8.61	8.61	8.61	8.61	8.61	8.61	8.51	8.71
Aroclor-1268-2	(2)	8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Aroclor-1268-3	(3)	8.93	8.93	8.93	8.93	8.93	8.93	8.83	9.03
Aroclor-1268-4	(4)	9.34	9.34	9.34	9.34	9.34	9.34	9.24	9.44
Aroclor-1268-5	(5)	9.76	9.76	9.75	9.75	9.75	9.75	9.65	9.85

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.09	10.09	10.09	10.09	10.09	10.09	9.99	10.19
Tetrachloro-m-xylene	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Instrument ID: ECD_O **Calibration Date(s):** 11/18/2024 11/18/2024

Calibration Times: 15:32 22:51

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

LAB FILE ID: RT 1000 = PO108038.D RT 750 = PO108039.D

RT 500 = PO108040.D RT 250 = PO108041.D RT 050 = PO108042.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.72	4.72	4.72	4.72	4.72	4.72	4.62	4.82
Aroclor-1016-2	(2)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1016-3	(3)	4.91	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.17	5.17	5.17	5.17	5.17	5.17	5.07	5.27
Aroclor-1260-1	(1)	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
Aroclor-1260-2	(2)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Aroclor-1260-3	(3)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1260-4	(4)	7.01	7.01	7.01	7.01	7.01	7.01	6.91	7.11
Aroclor-1260-5	(5)	7.25	7.25	7.25	7.25	7.25	7.25	7.15	7.35
Decachlorobiphenyl		8.64	8.63	8.64	8.63	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.64	3.64	3.64	3.64	3.54	3.74
Aroclor-1242-1	(1)	4.72	4.72	4.72	4.72	4.72	4.72	4.62	4.82
Aroclor-1242-2	(2)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1242-3	(3)	4.91	4.91	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-4	(4)	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1242-5	(5)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Decachlorobiphenyl		8.63	8.63	8.63	8.64	8.64	8.63	8.53	8.73
Tetrachloro-m-xylene		3.64	3.64	3.64	3.64	3.64	3.64	3.54	3.74
Aroclor-1248-1	(1)	4.72	4.72	4.72	4.72	4.72	4.72	4.62	4.82
Aroclor-1248-2	(2)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1248-3	(3)	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1248-4	(4)	5.17	5.17	5.17	5.17	5.17	5.17	5.07	5.27
Aroclor-1248-5	(5)	5.56	5.56	5.56	5.56	5.56	5.56	5.46	5.66
Decachlorobiphenyl		8.64	8.63	8.64	8.63	8.64	8.63	8.53	8.73
Tetrachloro-m-xylene		3.64	3.64	3.64	3.64	3.64	3.64	3.54	3.74
Aroclor-1254-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1254-2	(2)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1254-3	(3)	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Aroclor-1254-4	(4)	6.30	6.30	6.30	6.30	6.30	6.30	6.20	6.40
Aroclor-1254-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		8.64	8.64	8.63	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.64	3.64	3.64	3.64	3.54	3.74
Aroclor-1268-1	(1)	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Aroclor-1268-2	(2)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Aroclor-1268-3	(3)	7.81	7.81	7.81	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-4	(4)	8.09	8.09	8.09	8.09	8.09	8.09	7.99	8.19
Aroclor-1268-5	(5)	8.38	8.38	8.38	8.38	8.38	8.38	8.28	8.48

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.63	8.63	8.63	8.63	8.53	8.73
Tetrachloro-m-xylene	3.64	3.64	3.64	3.64	3.64	3.64	3.54	3.74

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Instrument ID: ECD_O **Calibration Date(s):** 11/18/2024 11/18/2024

Calibration Times: 15:32 22:51

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

LAB FILE ID: **CF 1000 =** PO108038.D **CF 750 =** PO108039.D

CF 500 = PO108040.D **CF 250 =** PO108041.D **CF 050 =** PO108042.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	246762638	255183097	267973476	283317680	291399940	268927366	7
Aroclor-1016-2	(2)	361906701	371340893	387074982	408562964	409480900	387673288	6
Aroclor-1016-3	(3)	222622001	230895227	242997188	262828576	290224400	249913478	11
Aroclor-1016-4	(4)	180908655	187263399	196564780	208828236	202781360	195269286	6
Aroclor-1016-5	(5)	172054377	178657919	188464708	198508344	189466020	185430274	6
Aroclor-1260-1	(1)	247038034	257258523	276155998	300356752	291432540	274448369	8
Aroclor-1260-2	(2)	272689813	275156095	291862946	311284092	264022160	283003021	7
Aroclor-1260-3	(3)	196571881	200863216	216965512	232635324	227109120	214829011	7
Aroclor-1260-4	(4)	206067217	211502581	224665900	236880824	230926000	222008504	6
Aroclor-1260-5	(5)	361568828	367344987	386082756	401302256	391367100	381533185	4
Decachlorobiphenyl		2788452830	2899237187	3078698780	3257210480	3247383800	3054196615	7
Tetrachloro-m-xylene		8465605050	8620290680	8898313680	9030365440	8515879800	8706090930	3
Aroclor-1242-1	(1)	202566328	209266423	216968960	226834060	251201700	221367494	9
Aroclor-1242-2	(2)	292414213	300976153	306906846	326944128	345266040	314501476	7
Aroclor-1242-3	(3)	180504553	188122379	204296224	206704844	232713180	202468236	10
Aroclor-1242-4	(4)	145573082	151871127	147856924	161129744	174130240	156112223	7
Aroclor-1242-5	(5)	141458429	150487075	174887798	165575256	171811960	160844104	9
Decachlorobiphenyl		2883024050	2993599120	3112238920	3347716960	3290585400	3125432890	6
Tetrachloro-m-xylene		8474998350	8554163053	8448632340	8865007800	8445940200	8557748349	2
Aroclor-1248-1	(1)	159118922	161357184	172663464	181852748	193964860	173791436	8
Aroclor-1248-2	(2)	223667475	232366575	244148502	257041984	245312320	240507371	5
Aroclor-1248-3	(3)	235052357	249913948	255721754	270339584	271390180	256483565	6
Aroclor-1248-4	(4)	254865791	270625609	276970026	290980956	271389120	272966300	5
Aroclor-1248-5	(5)	250852362	264749787	277140996	291546208	270671600	270992191	6
Decachlorobiphenyl		3055844430	3212426880	3323854080	3502784880	3470872200	3313156494	6
Tetrachloro-m-xylene		8617109190	8960264667	8973068820	9149151720	8598975400	8859713959	3
Aroclor-1254-1	(1)	252273984	264379132	273757404	293053280	301432280	276979216	7
Aroclor-1254-2	(2)	370718764	381771509	401517756	431022924	452397520	407485695	8
Aroclor-1254-3	(3)	371029833	378293709	395728354	413498008	404266220	392563225	5
Aroclor-1254-4	(4)	258988770	265852057	279911766	295707108	295222320	279136404	6
Aroclor-1254-5	(5)	253254357	260982649	273964622	289085188	263893220	268236007	5
Decachlorobiphenyl		3053184730	3175475907	3371258020	3559677880	3473166600	3326552627	6
Tetrachloro-m-xylene		8676286000	8781692213	9032518320	9252845040	8520211800	8852710675	3
Aroclor-1268-1	(1)	470799605	475917148	498858234	526027740	502833980	494887341	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	426122965	429724292	449577094	474735796	444314960	444895021	4
Aroclor-1268-3	(3)	347803598	350738465	369541246	388683644	373678420	366089075	5
Aroclor-1268-4	(4)	159396827	162304215	169881814	178873580	168510400	167793367	5
Aroclor-1268-5	(5)	1064152927	1072377252	1107204992	1148173928	1104978940	1099377608	3
Decachlorobiphenyl		5130801040	5235509600	5479770240	5801588440	5574999800	5444533824	5
Tetrachloro-m-xylene		8604281960	8613628107	8840909600	9045256040	8253129800	8671441101	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Instrument ID: ECD_O **Calibration Date(s):** 11/18/2024 11/18/2024

Calibration Times: 15:32 22:51

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

LAB FILE ID: CF 1000 = PO108038.D CF 750 = PO108039.D

CF 500 = PO108040.D CF 250 = PO108041.D CF 050 = PO108042.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	106788150	108798153	111718164	113509520	105554920	109273781	3
Aroclor-1016-2	(2)	152123024	154097571	158326228	159327316	140638080	152902444	5
Aroclor-1016-3	(3)	80988346	82315700	85055114	86482700	75979360	82164244	5
Aroclor-1016-4	(4)	61290280	63322112	65890902	67513476	60347000	63672754	5
Aroclor-1016-5	(5)	83859555	84976180	88574978	90258120	85814880	86696743	3
Aroclor-1260-1	(1)	157781272	160281296	165675998	168803692	157161680	161940788	3
Aroclor-1260-2	(2)	193178496	195374557	201955632	205123576	188687800	196864012	3
Aroclor-1260-3	(3)	183308515	185530125	190617304	192222592	178946180	186124943	3
Aroclor-1260-4	(4)	158006285	159976592	164422288	165515456	152052260	159994576	3
Aroclor-1260-5	(5)	397600161	398299031	405738120	401770156	360054820	392692458	5
Decachlorobiphenyl		3329333650	3376455133	3495318160	3542281840	3265178400	3401713437	3
Tetrachloro-m-xylene		3460288000	3499045520	3533194380	3490778200	2968782600	3390417740	7
Aroclor-1242-1	(1)	87969741	88248992	87758754	93432100	85060960	88494109	3
Aroclor-1242-2	(2)	124351775	125884719	122342024	129672256	115828860	123615927	4
Aroclor-1242-3	(3)	66089426	66658731	64420492	69305104	64944480	66283647	3
Aroclor-1242-4	(4)	61409091	62399051	61772248	66049176	61264060	62578725	3
Aroclor-1242-5	(5)	80580818	81655216	82065824	87619560	85982300	83580744	4
Decachlorobiphenyl		3376553600	3460953067	3489794800	3599195960	3335440400	3452387565	3
Tetrachloro-m-xylene		3506478780	3524758680	3390143240	3493295680	3130140400	3408963356	5
Aroclor-1248-1	(1)	67026994	69560969	69998122	71628912	68826780	69408355	2
Aroclor-1248-2	(2)	89376189	93801245	94712640	97706412	91207920	93360881	3
Aroclor-1248-3	(3)	94788893	98911040	100115740	103278720	96514280	98721735	3
Aroclor-1248-4	(4)	115527324	120128197	120921898	125233548	119364180	120235029	3
Aroclor-1248-5	(5)	119804627	123323009	123889724	128054636	128073460	124629091	3
Decachlorobiphenyl		3528559440	3596963560	3616896320	3663454400	3377244800	3556623704	3
Tetrachloro-m-xylene		3528541860	3631159893	3583888800	3559804240	3171920200	3495062999	5
Aroclor-1254-1	(1)	174289834	176158589	180893068	186013588	167948420	177060700	4
Aroclor-1254-2	(2)	150108724	152943737	157672006	163048368	154480520	155650671	3
Aroclor-1254-3	(3)	256239069	259520284	265457534	269328112	244789800	259066960	4
Aroclor-1254-4	(4)	157049736	150166115	151648294	150255064	114987000	144821242	12
Aroclor-1254-5	(5)	226514935	228906973	235035164	238147696	216555420	229032038	4
Decachlorobiphenyl		3488739090	3567821253	3665438080	3726867560	3437434800	3577260157	3
Tetrachloro-m-xylene		3561296690	3571149600	3637431600	3609953440	3188991400	3513764546	5
Aroclor-1268-1	(1)	503786717	502542995	506955678	510483304	449116600	494577059	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	474790608	472331845	474584838	476025240	407711300	461088766	6
Aroclor-1268-3	(3)	398042300	395049041	397077938	397623440	338330320	385224608	7
Aroclor-1268-4	(4)	165026234	165243123	167676480	171057252	157015720	165203762	3
Aroclor-1268-5	(5)	1353304001	1345522504	1338264668	1326360488	1125948300	1297879992	7
Decachlorobiphenyl		6035126950	6057706560	6116207360	6217717120	5517400400	5988831678	5
Tetrachloro-m-xylene		3503890680	3480404160	3510527020	3509133960	2981330200	3397057204	7

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Instrument ID: ECD_O **Date(s) Analyzed:** 11/18/2024 11/18/2024

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	4.57	4.47	4.67	108422000
		2	4.66	4.56	4.76	80468200
		3	4.73	4.63	4.83	233076000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.73	4.63	4.83	171958000
		2	5.26	5.16	5.36	94164000
		3	5.55	5.45	5.65	161766000
		4	5.71	5.61	5.81	76393000
		5	5.80	5.70	5.90	52874400
Aroclor-1262	500	1	7.76	7.66	7.86	323292000
		2	8.30	8.20	8.40	449988000
		3	8.61	8.51	8.71	288986000
		4	8.70	8.60	8.80	223132000
		5	9.34	9.24	9.44	152022000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Instrument ID: ECD_O **Date(s) Analyzed:** 11/18/2024 11/18/2024

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	3.85	3.75	3.95	35476800
		2	3.94	3.84	4.04	29137000
		3	4.01	3.91	4.11	89032800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.01	3.91	4.11	63710600
		2	4.74	4.64	4.84	64827200
		3	4.91	4.81	5.01	33220400
		4	5.00	4.90	5.10	30291200
		5	5.17	5.07	5.27	31376600
Aroclor-1262	500	1	6.75	6.65	6.85	227544000
		2	7.25	7.15	7.35	426902000
		3	7.54	7.44	7.64	165111000
		4	7.60	7.50	7.70	317924000
		5	8.09	7.99	8.19	148021000

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/19/2024 **Initial Calibration Date(s):** 11/18/2024 11/18/2024

Continuing Calib Time: 00:31 **Initial Calibration Time(s):** 15:32 22:51

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.53	5.53	5.43	5.63	0.00
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	5.71	5.61	5.81	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.14	7.14	7.04	7.24	0.00
Aroclor-1260-2	(2)	7.39	7.40	7.30	7.50	0.01
Aroclor-1260-3	(3)	7.76	7.76	7.66	7.86	0.00
Aroclor-1260-4	(4)	7.98	7.98	7.88	8.08	0.00
Aroclor-1260-5	(5)	8.30	8.30	8.20	8.40	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.09	10.09	9.99	10.19	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/19/2024 **Initial Calibration Date(s):** 11/18/2024 11/18/2024

Continuing Calib Time: 00:31 **Initial Calibration Time(s):** 15:32 22:51

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)	4.72	4.72	4.62	4.82	0.00
Aroclor-1016-2	(2)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-3	(3)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.01
Aroclor-1016-5	(5)	5.17	5.17	5.07	5.27	0.00
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.54	6.44	6.64	0.00
Aroclor-1260-4	(4)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-5	(5)	7.25	7.25	7.15	7.35	0.00
Tetrachloro-m-xylene		3.64	3.64	3.54	3.74	0.00
Decachlorobiphenyl		8.63	8.64	8.54	8.74	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/18/2024 11/18/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/19/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO108071.D **Time Analyzed:** 00:31

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.525	5.425	5.625	497.540	500.000	-0.5
Aroclor-1016-2	5.547	5.447	5.647	498.670	500.000	-0.3
Aroclor-1016-3	5.610	5.510	5.710	487.600	500.000	-2.5
Aroclor-1016-4	5.707	5.607	5.807	500.180	500.000	0.0
Aroclor-1016-5	6.003	5.904	6.104	505.590	500.000	1.1
Aroclor-1260-1	7.137	7.037	7.237	523.830	500.000	4.8
Aroclor-1260-2	7.393	7.295	7.495	532.260	500.000	6.5
Aroclor-1260-3	7.757	7.658	7.858	535.230	500.000	7.0
Aroclor-1260-4	7.983	7.884	8.084	532.320	500.000	6.5
Aroclor-1260-5	8.298	8.198	8.398	535.490	500.000	7.1
Decachlorobiphenyl	10.089	9.991	10.191	52.760	50.000	5.5
Tetrachloro-m-xylene	4.370	4.270	4.470	50.890	50.000	1.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/18/2024 11/18/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/19/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO108071.D **Time Analyzed:** 00:31

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.719	4.620	4.820	506.120	500.000	1.2
Aroclor-1016-2	4.738	4.639	4.839	512.910	500.000	2.6
Aroclor-1016-3	4.913	4.815	5.015	510.950	500.000	2.2
Aroclor-1016-4	4.955	4.856	5.056	505.670	500.000	1.1
Aroclor-1016-5	5.169	5.070	5.270	508.420	500.000	1.7
Aroclor-1260-1	6.199	6.100	6.300	504.200	500.000	0.8
Aroclor-1260-2	6.387	6.288	6.488	505.250	500.000	1.1
Aroclor-1260-3	6.540	6.441	6.641	503.560	500.000	0.7
Aroclor-1260-4	7.012	6.912	7.112	505.250	500.000	1.1
Aroclor-1260-5	7.253	7.154	7.354	506.370	500.000	1.3
Decachlorobiphenyl	8.633	8.535	8.735	50.380	50.000	0.8
Tetrachloro-m-xylene	3.638	3.539	3.739	51.820	50.000	3.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/19/2024 **Initial Calibration Date(s):** 11/18/2024 11/18/2024

Continuing Calib Time: 04:56 **Initial Calibration Time(s):** 15:32 22:51

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.53	5.53	5.43	5.63	0.00
Aroclor-1016-2	(2)	5.55	5.55	5.45	5.65	0.00
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.71	5.71	5.61	5.81	0.00
Aroclor-1016-5	(5)	6.01	6.00	5.90	6.10	-0.01
Aroclor-1260-1	(1)	7.14	7.14	7.04	7.24	0.00
Aroclor-1260-2	(2)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-3	(3)	7.76	7.76	7.66	7.86	0.00
Aroclor-1260-4	(4)	7.99	7.98	7.88	8.08	-0.01
Aroclor-1260-5	(5)	8.30	8.30	8.20	8.40	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.09	10.09	9.99	10.19	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

Continuing Calib Date: 11/19/2024 **Initial Calibration Date(s):** 11/18/2024 11/18/2024

Continuing Calib Time: 04:56 **Initial Calibration Time(s):** 15:32 22:51

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.72	4.72	4.62	4.82	0.00
Aroclor-1016-2	(2)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-3	(3)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.17	5.07	5.27	0.00
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.54	6.44	6.64	0.00
Aroclor-1260-4	(4)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-5	(5)	7.25	7.25	7.15	7.35	0.00
Tetrachloro-m-xylene		3.64	3.64	3.54	3.74	0.00
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/18/2024 11/18/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/19/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO108087.D **Time Analyzed:** 04:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.527	5.425	5.625	497.350	500.000	-0.5
Aroclor-1016-2	5.549	5.447	5.647	500.460	500.000	0.1
Aroclor-1016-3	5.612	5.510	5.710	490.710	500.000	-1.9
Aroclor-1016-4	5.709	5.607	5.807	502.090	500.000	0.4
Aroclor-1016-5	6.006	5.904	6.104	507.000	500.000	1.4
Aroclor-1260-1	7.139	7.037	7.237	522.990	500.000	4.6
Aroclor-1260-2	7.396	7.295	7.495	528.810	500.000	5.8
Aroclor-1260-3	7.760	7.658	7.858	528.620	500.000	5.7
Aroclor-1260-4	7.986	7.884	8.084	528.490	500.000	5.7
Aroclor-1260-5	8.300	8.198	8.398	530.530	500.000	6.1
Decachlorobiphenyl	10.093	9.991	10.191	52.100	50.000	4.2
Tetrachloro-m-xylene	4.372	4.270	4.470	51.270	50.000	2.5

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CALIBRATION VERIFICATION SUMMARY

Contract: CORN02

Lab Code: CHEM **Case No.:** P4860 **SAS No.:** P4860 **SDG NO.:** P4860

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/18/2024 11/18/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/19/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO108087.D **Time Analyzed:** 04:56

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.719	4.620	4.820	509.090	500.000	1.8
Aroclor-1016-2	4.738	4.639	4.839	514.180	500.000	2.8
Aroclor-1016-3	4.914	4.815	5.015	514.660	500.000	2.9
Aroclor-1016-4	4.956	4.856	5.056	512.950	500.000	2.6
Aroclor-1016-5	5.169	5.070	5.270	508.900	500.000	1.8
Aroclor-1260-1	6.200	6.100	6.300	504.230	500.000	0.8
Aroclor-1260-2	6.388	6.288	6.488	505.750	500.000	1.2
Aroclor-1260-3	6.542	6.441	6.641	502.390	500.000	0.5
Aroclor-1260-4	7.013	6.912	7.112	503.660	500.000	0.7
Aroclor-1260-5	7.253	7.154	7.354	504.340	500.000	0.9
Decachlorobiphenyl	8.635	8.535	8.735	50.130	50.000	0.3
Tetrachloro-m-xylene	3.638	3.539	3.739	52.160	50.000	4.3

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Analytical Sequence

Client: Tetra Tech **SDG No.:** P4860

Project: Ocean County Landfill 2024 **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/18/2024 11/18/2024

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	11/18/2024	15:16	PO108037.D	10.09	4.37
AR1660ICC1000	AR1660ICC1000	11/18/2024	15:32	PO108038.D	10.09	4.37
AR1660ICC750	AR1660ICC750	11/18/2024	15:48	PO108039.D	10.09	4.37
AR1660ICC500	AR1660ICC500	11/18/2024	16:05	PO108040.D	10.09	4.37
AR1660ICC250	AR1660ICC250	11/18/2024	16:21	PO108041.D	10.09	4.37
AR1660ICC050	AR1660ICC050	11/18/2024	16:37	PO108042.D	10.09	4.37
AR1221ICC500	AR1221ICC500	11/18/2024	16:53	PO108043.D	10.09	4.37
AR1232ICC500	AR1232ICC500	11/18/2024	17:09	PO108044.D	10.09	4.37
AR1242ICC1000	AR1242ICC1000	11/18/2024	17:25	PO108045.D	10.09	4.37
AR1242ICC750	AR1242ICC750	11/18/2024	17:42	PO108046.D	10.09	4.37
AR1242ICC500	AR1242ICC500	11/18/2024	17:58	PO108047.D	10.09	4.37
AR1242ICC250	AR1242ICC250	11/18/2024	18:14	PO108048.D	10.09	4.37
AR1242ICC050	AR1242ICC050	11/18/2024	18:30	PO108049.D	10.09	4.37
AR1248ICC1000	AR1248ICC1000	11/18/2024	18:47	PO108050.D	10.09	4.37
AR1248ICC750	AR1248ICC750	11/18/2024	19:03	PO108051.D	10.09	4.37
AR1248ICC500	AR1248ICC500	11/18/2024	19:19	PO108052.D	10.09	4.37
AR1248ICC250	AR1248ICC250	11/18/2024	19:35	PO108053.D	10.09	4.37
AR1248ICC050	AR1248ICC050	11/18/2024	19:51	PO108054.D	10.09	4.37
AR1254ICC1000	AR1254ICC1000	11/18/2024	20:07	PO108055.D	10.09	4.37
AR1254ICC750	AR1254ICC750	11/18/2024	20:24	PO108056.D	10.09	4.37
AR1254ICC500	AR1254ICC500	11/18/2024	20:40	PO108057.D	10.09	4.37
AR1254ICC250	AR1254ICC250	11/18/2024	20:56	PO108058.D	10.09	4.37
AR1254ICC050	AR1254ICC050	11/18/2024	21:12	PO108059.D	10.09	4.37
AR1262ICC500	AR1262ICC500	11/18/2024	21:28	PO108060.D	10.09	4.37
AR1268ICC1000	AR1268ICC1000	11/18/2024	21:45	PO108061.D	10.09	4.37
AR1268ICC750	AR1268ICC750	11/18/2024	22:02	PO108062.D	10.09	4.37
AR1268ICC500	AR1268ICC500	11/18/2024	22:19	PO108063.D	10.09	4.37
AR1268ICC250	AR1268ICC250	11/18/2024	22:35	PO108064.D	10.09	4.37
AR1268ICC050	AR1268ICC050	11/18/2024	22:51	PO108065.D	10.09	4.37
AR1660CCC500	AR1660CCC500	11/19/2024	00:31	PO108071.D	10.09	4.37
I.BLK	I.BLK	11/19/2024	00:48	PO108072.D	10.09	4.37
PB165043BL	PB165043BL	11/19/2024	01:04	PO108073.D	10.09	4.37
PB165043BS	PB165043BS	11/19/2024	01:20	PO108074.D	10.09	4.37
DUP-01	P4860-01	11/19/2024	01:37	PO108075.D	10.09	4.37
DUP-01MS	P4860-01MS	11/19/2024	01:54	PO108076.D	10.09	4.37
DUP-01MSD	P4860-01MSD	11/19/2024	02:10	PO108077.D	10.09	4.37
PH2-BOT-001	P4860-02	11/19/2024	02:26	PO108078.D	10.09	4.37
PH2-BOT-002	P4860-03	11/19/2024	02:42	PO108079.D	10.09	4.37
PH2-BOT-003	P4860-04	11/19/2024	02:59	PO108080.D	10.09	4.37
PH2-BOT-004	P4860-05	11/19/2024	03:16	PO108081.D	10.09	4.37
PH2-BOT-009	P4860-06	11/19/2024	03:33	PO108082.D	10.09	4.37
PH2-BOT-008	P4860-07	11/19/2024	03:49	PO108083.D	10.09	4.37

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Analytical Sequence

PH2-BOT-007	P4860-08	11/19/2024	04:06	PO108084.D	10.09	4.37
PH2-BOT-006	P4860-09	11/19/2024	04:23	PO108085.D	10.09	4.37
PH2-BOT-005	P4860-10	11/19/2024	04:39	PO108086.D	10.09	4.37
AR1660CCC500	AR1660CCC500	11/19/2024	04:56	PO108087.D	10.09	4.37
I.BLK	I.BLK	11/19/2024	05:12	PO108088.D	10.09	4.37

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: Tetra Tech **SDG No.:** P4860

Project: Ocean County Landfill 2024 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/18/2024 11/18/2024

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	11/18/2024	15:16	PO108037.D	8.64	3.64
AR1660ICC1000	AR1660ICC1000	11/18/2024	15:32	PO108038.D	8.64	3.64
AR1660ICC750	AR1660ICC750	11/18/2024	15:48	PO108039.D	8.63	3.64
AR1660ICC500	AR1660ICC500	11/18/2024	16:05	PO108040.D	8.64	3.64
AR1660ICC250	AR1660ICC250	11/18/2024	16:21	PO108041.D	8.63	3.64
AR1660ICC050	AR1660ICC050	11/18/2024	16:37	PO108042.D	8.64	3.64
AR1221ICC500	AR1221ICC500	11/18/2024	16:53	PO108043.D	8.63	3.64
AR1232ICC500	AR1232ICC500	11/18/2024	17:09	PO108044.D	8.63	3.64
AR1242ICC1000	AR1242ICC1000	11/18/2024	17:25	PO108045.D	8.63	3.64
AR1242ICC750	AR1242ICC750	11/18/2024	17:42	PO108046.D	8.63	3.64
AR1242ICC500	AR1242ICC500	11/18/2024	17:58	PO108047.D	8.63	3.64
AR1242ICC250	AR1242ICC250	11/18/2024	18:14	PO108048.D	8.64	3.64
AR1242ICC050	AR1242ICC050	11/18/2024	18:30	PO108049.D	8.64	3.64
AR1248ICC1000	AR1248ICC1000	11/18/2024	18:47	PO108050.D	8.64	3.64
AR1248ICC750	AR1248ICC750	11/18/2024	19:03	PO108051.D	8.63	3.64
AR1248ICC500	AR1248ICC500	11/18/2024	19:19	PO108052.D	8.64	3.64
AR1248ICC250	AR1248ICC250	11/18/2024	19:35	PO108053.D	8.63	3.64
AR1248ICC050	AR1248ICC050	11/18/2024	19:51	PO108054.D	8.64	3.64
AR1254ICC1000	AR1254ICC1000	11/18/2024	20:07	PO108055.D	8.64	3.64
AR1254ICC750	AR1254ICC750	11/18/2024	20:24	PO108056.D	8.64	3.64
AR1254ICC500	AR1254ICC500	11/18/2024	20:40	PO108057.D	8.63	3.64
AR1254ICC250	AR1254ICC250	11/18/2024	20:56	PO108058.D	8.64	3.64
AR1254ICC050	AR1254ICC050	11/18/2024	21:12	PO108059.D	8.64	3.64
AR1262ICC500	AR1262ICC500	11/18/2024	21:28	PO108060.D	8.63	3.64
AR1268ICC1000	AR1268ICC1000	11/18/2024	21:45	PO108061.D	8.64	3.64
AR1268ICC750	AR1268ICC750	11/18/2024	22:02	PO108062.D	8.64	3.64
AR1268ICC500	AR1268ICC500	11/18/2024	22:19	PO108063.D	8.63	3.64
AR1268ICC250	AR1268ICC250	11/18/2024	22:35	PO108064.D	8.63	3.64
AR1268ICC050	AR1268ICC050	11/18/2024	22:51	PO108065.D	8.63	3.64
AR1660CCC500	AR1660CCC500	11/19/2024	00:31	PO108071.D	8.63	3.64
I.BLK	I.BLK	11/19/2024	00:48	PO108072.D	8.64	3.64
PB165043BL	PB165043BL	11/19/2024	01:04	PO108073.D	8.63	3.64
PB165043BS	PB165043BS	11/19/2024	01:20	PO108074.D	8.63	3.64
DUP-01	P4860-01	11/19/2024	01:37	PO108075.D	8.63	3.64
DUP-01MS	P4860-01MS	11/19/2024	01:54	PO108076.D	8.63	3.64
DUP-01MSD	P4860-01MSD	11/19/2024	02:10	PO108077.D	8.63	3.64
PH2-BOT-001	P4860-02	11/19/2024	02:26	PO108078.D	8.63	3.64
PH2-BOT-002	P4860-03	11/19/2024	02:42	PO108079.D	8.63	3.64
PH2-BOT-003	P4860-04	11/19/2024	02:59	PO108080.D	8.63	3.64
PH2-BOT-004	P4860-05	11/19/2024	03:16	PO108081.D	8.63	3.64
PH2-BOT-009	P4860-06	11/19/2024	03:33	PO108082.D	8.63	3.64
PH2-BOT-008	P4860-07	11/19/2024	03:49	PO108083.D	8.63	3.64

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Fax : 908 789 8922

Analytical Sequence

PH2-BOT-007	P4860-08	11/19/2024	04:06	PO108084.D	8.63	3.64
PH2-BOT-006	P4860-09	11/19/2024	04:23	PO108085.D	8.63	3.64
PH2-BOT-005	P4860-10	11/19/2024	04:39	PO108086.D	8.63	3.64
AR1660CCC500	AR1660CCC500	11/19/2024	04:56	PO108087.D	8.64	3.64
I.BLK	I.BLK	11/19/2024	05:12	PO108088.D	8.64	3.64

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB165043BS

Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab Sample ID: PB165043BS Date(s) Analyzed: 11/19/2024 11/19/2024

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 PO108074.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.525	5.475	5.575	159		
	2	5.548	5.498	5.598	160		
	3	5.61	5.56	5.66	155		
COLUMN 1	4	5.707	5.657	5.757	160		
	5	6.004	5.954	6.054	157	158	
	1	4.719	4.669	4.769	160		
	2	4.738	4.688	4.788	162		
	3	4.914	4.864	4.964	161		
	4	4.955	4.905	5.005	157		
COLUMN 2	5	5.169	5.119	5.219	155	159	0.63
Aroclor-1260	1	7.136	7.086	7.186	174		
	2	7.394	7.344	7.444	179		
	3	7.757	7.707	7.807	149		
COLUMN 1	4	7.982	7.932	8.032	160		
	5	8.298	8.248	8.348	153	163	
	1	6.2	6.15	6.25	164		
	2	6.388	6.338	6.438	163		
	3	6.541	6.491	6.591	165		
	4	7.012	6.962	7.062	142		
COLUMN 2	5	7.253	7.203	7.303	143	155	5.03

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

DUP-01MS

Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab Sample ID: P4860-01MS Date(s) Analyzed: 11/19/2024 11/19/2024

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 PO108076.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.526	5.476	5.576	171		
	2	5.549	5.499	5.599	173		
	3	5.611	5.561	5.661	164		
COLUMN 1	4	5.709	5.659	5.759	181		
	5	6.005	5.955	6.055	166	171	
	1	4.718	4.668	4.768	171		
	2	4.737	4.687	4.787	178		
	3	4.913	4.863	4.963	174		
	4	4.955	4.905	5.005	171		
COLUMN 2	5	5.168	5.118	5.218	169	173	1.16
Aroclor-1260	1	7.138	7.088	7.188	177		
	2	7.396	7.346	7.446	184		
	3	7.759	7.709	7.809	155		
COLUMN 1	4	7.985	7.935	8.035	174		
	5	8.3	8.25	8.35	171	172	
	1	6.2	6.15	6.25	174		
	2	6.387	6.337	6.437	171		
	3	6.54	6.49	6.59	173		
	4	7.012	6.962	7.062	156		
COLUMN 2	5	7.253	7.203	7.303	154	166	3.55

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

DUP-01MSD

Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab Sample ID: P4860-01MSD Date(s) Analyzed: 11/19/2024 11/19/2024

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 PO108077.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.524	5.474	5.574	172		
	2	5.547	5.497	5.597	172		
	3	5.609	5.559	5.659	164		
COLUMN 1	4	5.707	5.657	5.757	179		
	5	6.004	5.954	6.054	165	170	
	1	4.719	4.669	4.769	172		
	2	4.738	4.688	4.788	178		
	3	4.913	4.863	4.963	178		
	4	4.955	4.905	5.005	174		
COLUMN 2	5	5.168	5.118	5.218	170	174	2.33
Aroclor-1260	1	7.136	7.086	7.186	174		
	2	7.394	7.344	7.444	188		
	3	7.756	7.706	7.806	154		
COLUMN 1	4	7.982	7.932	8.032	174		
	5	8.297	8.247	8.347	169	172	
	1	6.199	6.149	6.249	173		
	2	6.387	6.337	6.437	171		
	3	6.54	6.49	6.59	173		
	4	7.011	6.961	7.061	155		
COLUMN 2	5	7.252	7.202	7.302	153	165	4.15

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108075.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 01:37
Operator : YP/AJ
Sample : P4860-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
DUP-01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:47:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.371	3.638	188.9E6	71608940	21.695m	21.121
2)	SA Decachlor...	10.092	8.633	71633774	72011313	23.454	21.169
	Target Compounds						

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

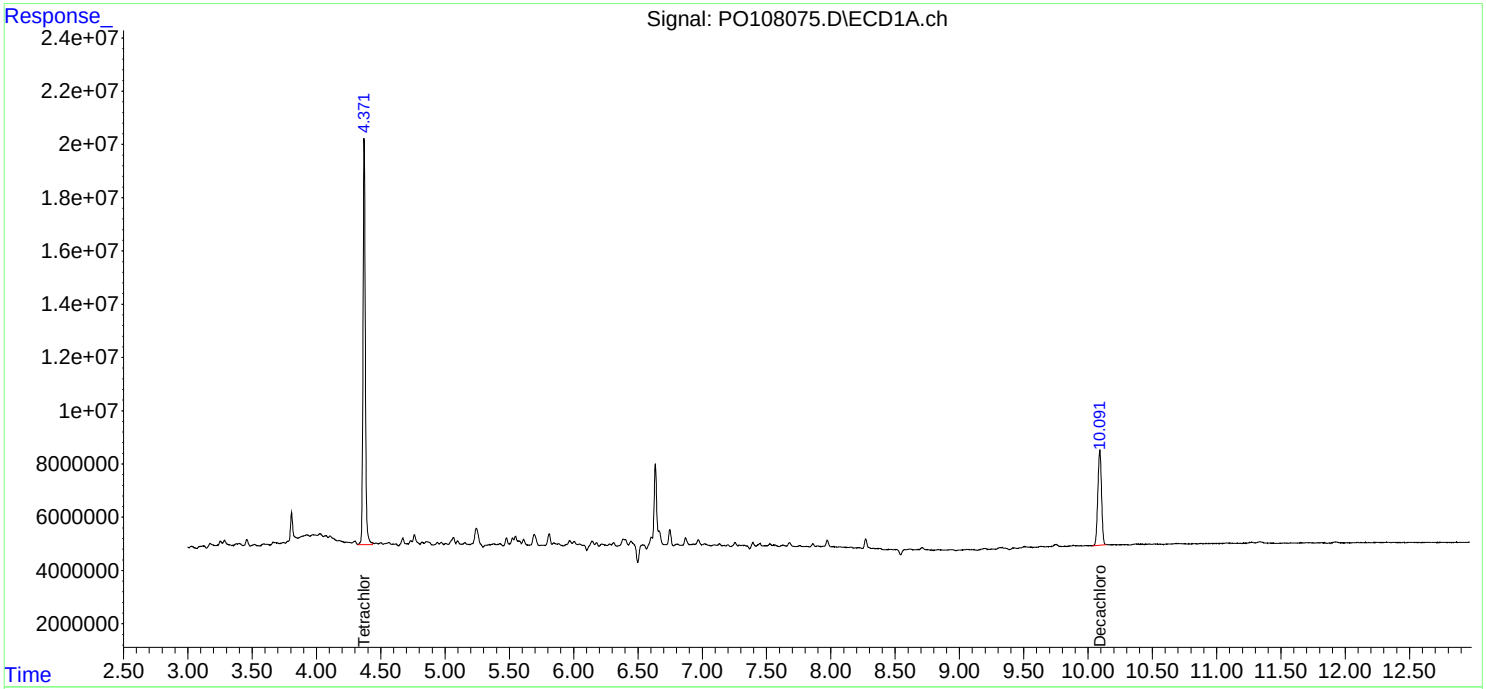
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108075.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 01:37
Operator : YP/AJ
Sample : P4860-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

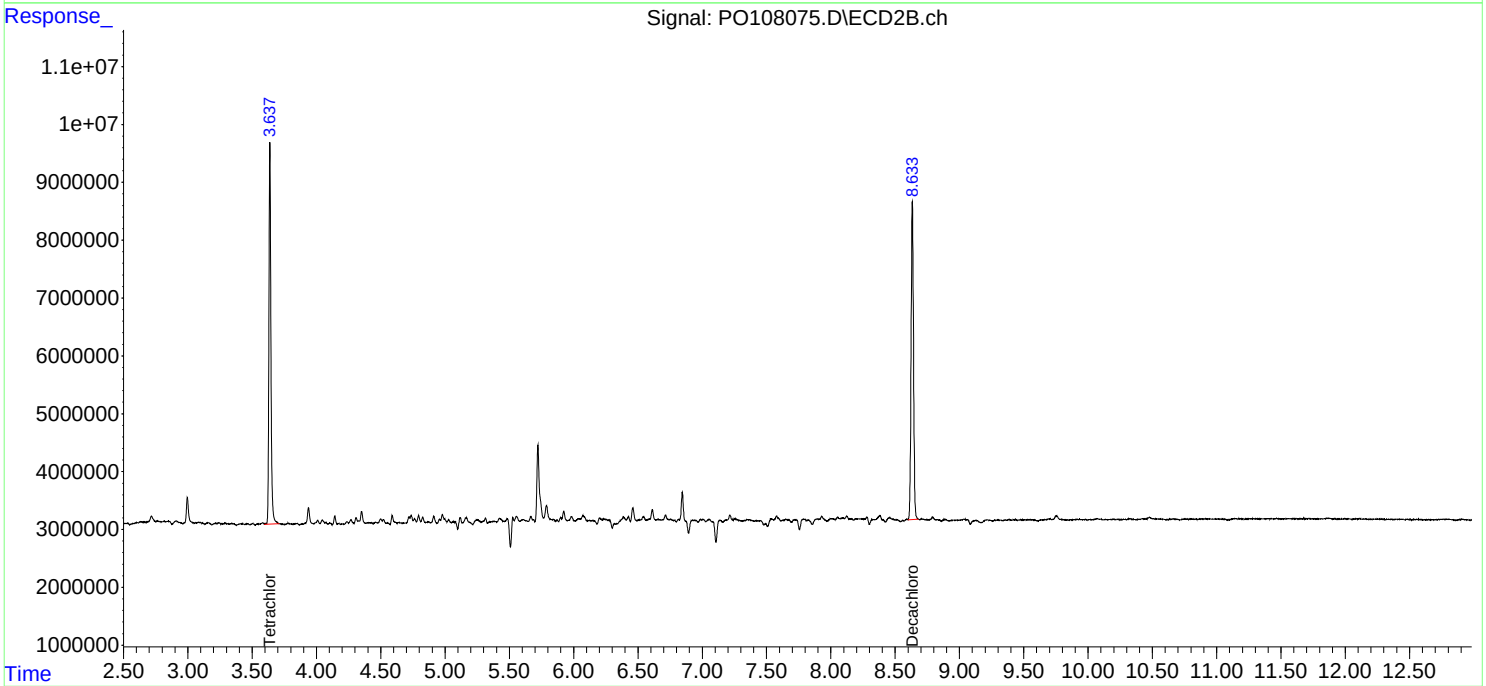
Instrument :
ECD_O
ClientSampleId :
DUP-01

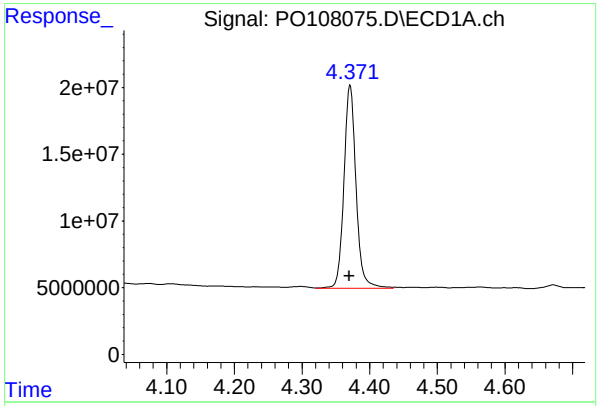
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:47:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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







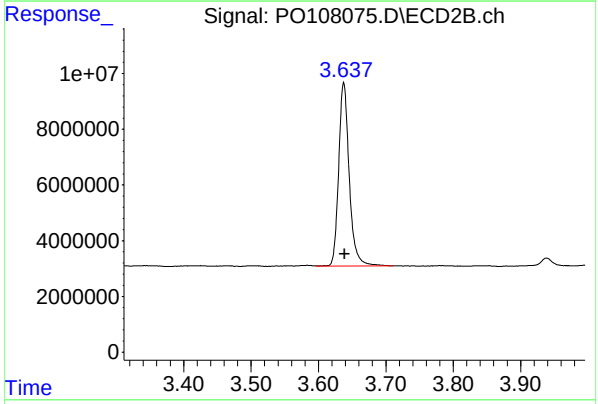
#1 Tetrachloro-m-xylene

R.T.: 4.371 min
Delta R.T.: 0.000 min
Response: 188877747
Conc: 21.69 ng/ml

Instrument :
ECD_O
ClientSampleId :
DUP-01

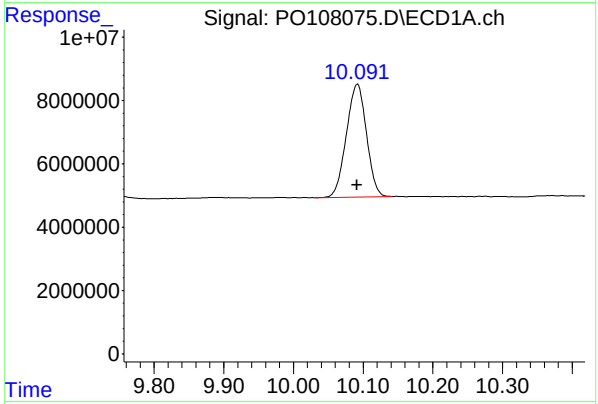
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024



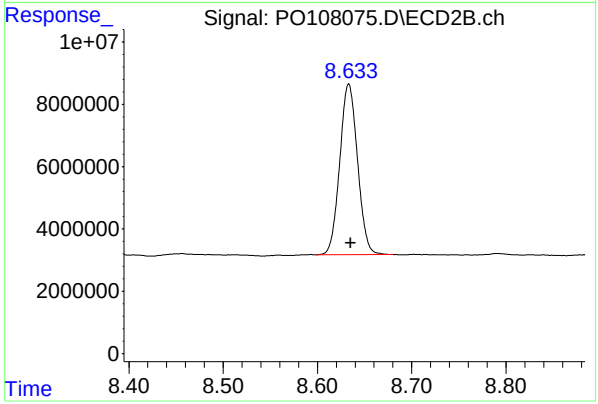
#1 Tetrachloro-m-xylene

R.T.: 3.638 min
Delta R.T.: -0.001 min
Response: 71608940
Conc: 21.12 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.092 min
Delta R.T.: 0.000 min
Response: 71633774
Conc: 23.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.633 min
Delta R.T.: -0.002 min
Response: 72011313
Conc: 21.17 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108078.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 02:26
Operator : YP/AJ
Sample : P4860-02
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-001

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:48:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.370	3.637	190.9E6	73514803	21.930m	21.683
2)	SA Decachlor...	10.089	8.633	74890791	74570615	24.521	21.921
	Target Compounds						

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

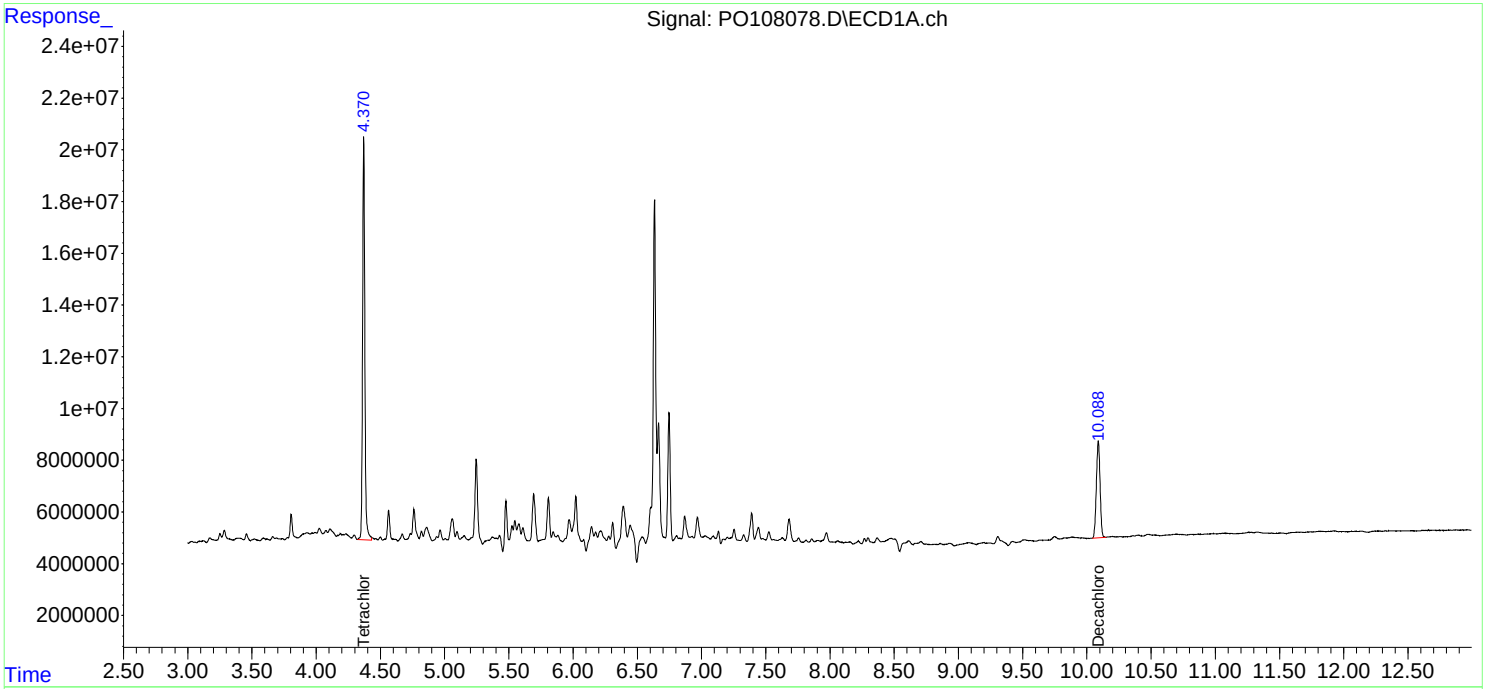
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108078.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 02:26
Operator : YP/AJ
Sample : P4860-02
Misc :
ALS Vial : 41 Sample Multiplier: 1

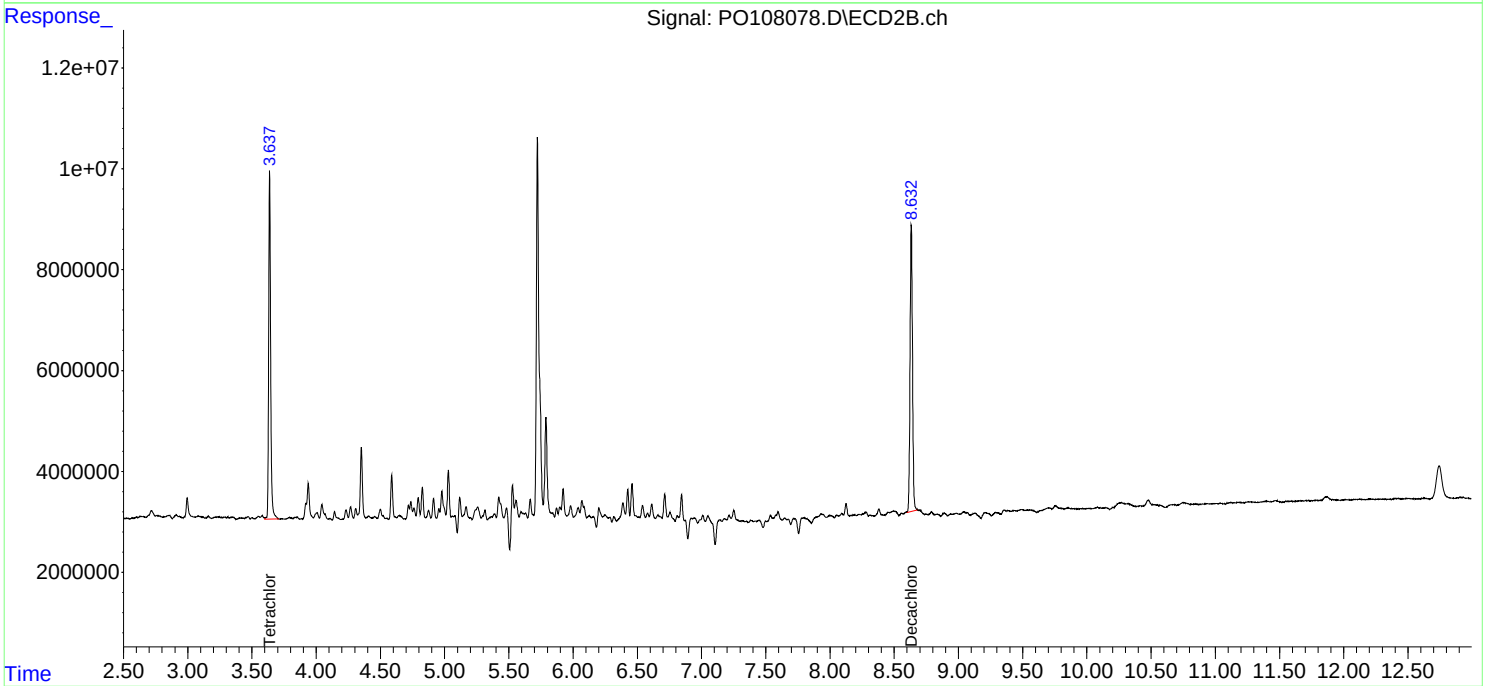
Instrument :
ECD_O
ClientSampleId :
PH2-BOT-001

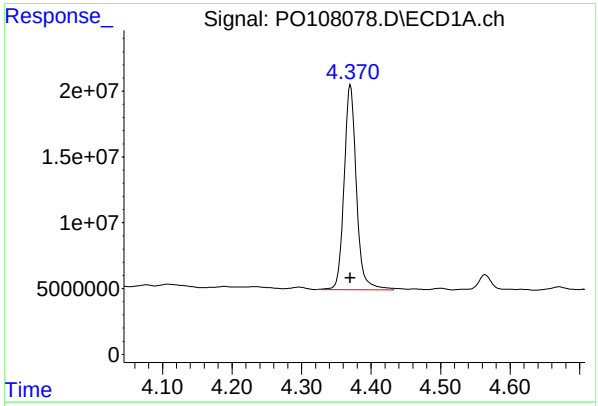
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:48:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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







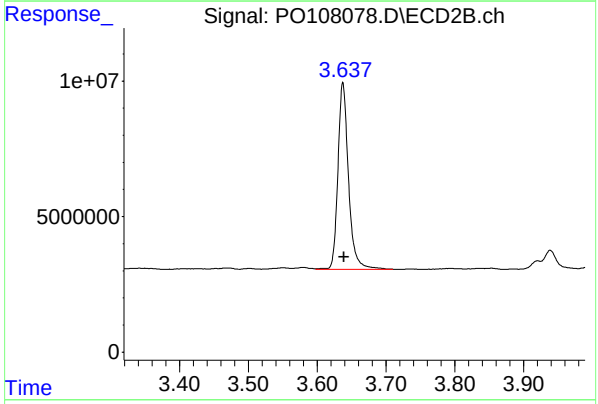
#1 Tetrachloro-m-xylene

R.T.: 4.370 min
Delta R.T.: 0.000 min
Response: 190928720
Conc: 21.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-001

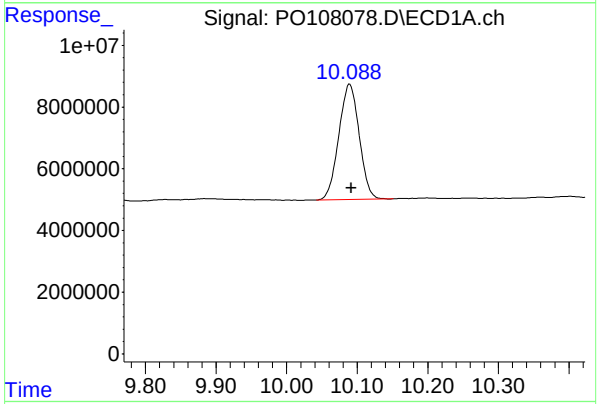
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024



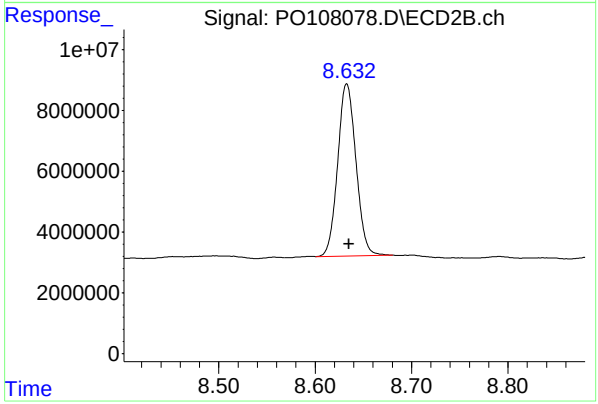
#1 Tetrachloro-m-xylene

R.T.: 3.637 min
Delta R.T.: -0.001 min
Response: 73514803
Conc: 21.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.089 min
Delta R.T.: -0.002 min
Response: 74890791
Conc: 24.52 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.633 min
Delta R.T.: -0.002 min
Response: 74570615
Conc: 21.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108079.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 02:42
Operator : YP/AJ
Sample : P4860-03
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-002

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:48:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.369	3.638	195.9E6	75641144	22.504m	22.310
2)	SA Decachlor...	10.089	8.634	73047667	72617205	23.917	21.347
	Target Compounds						

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

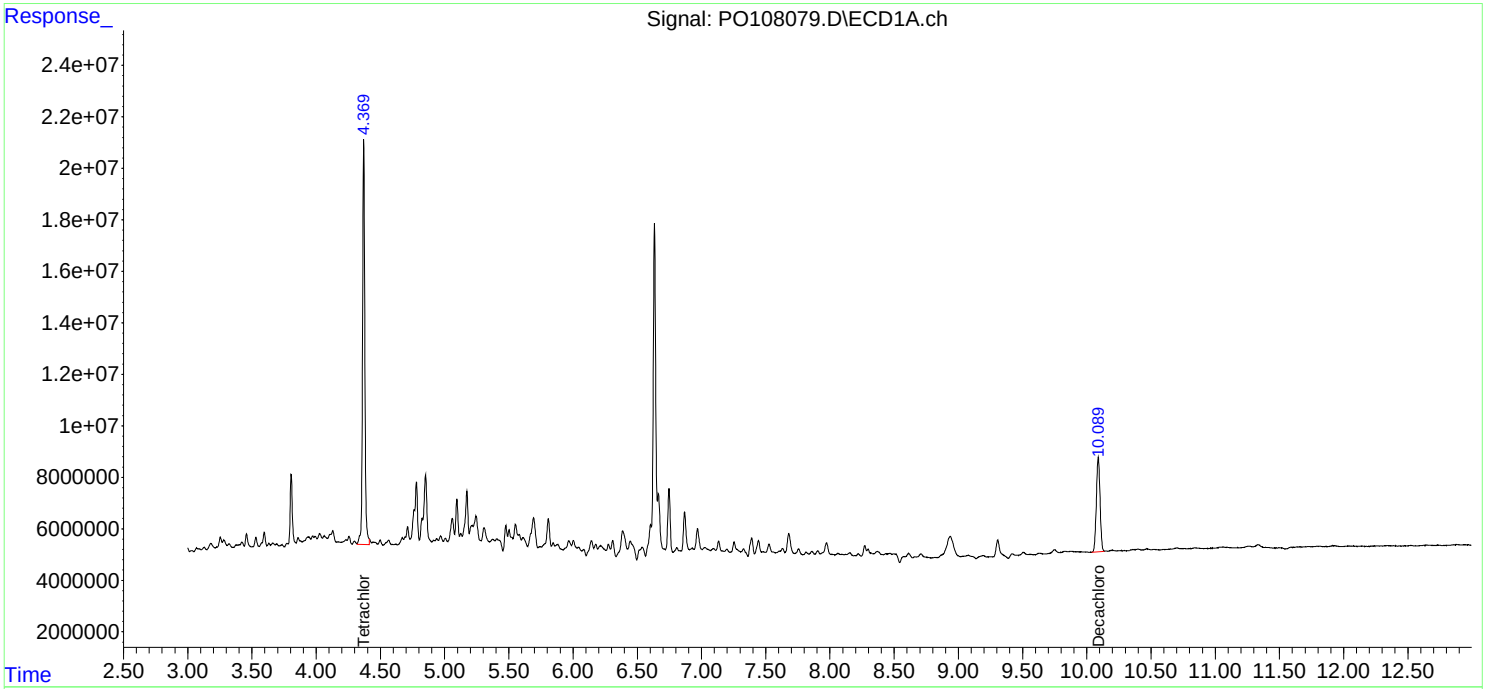
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108079.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 02:42
Operator : YP/AJ
Sample : P4860-03
Misc :
ALS Vial : 42 Sample Multiplier: 1

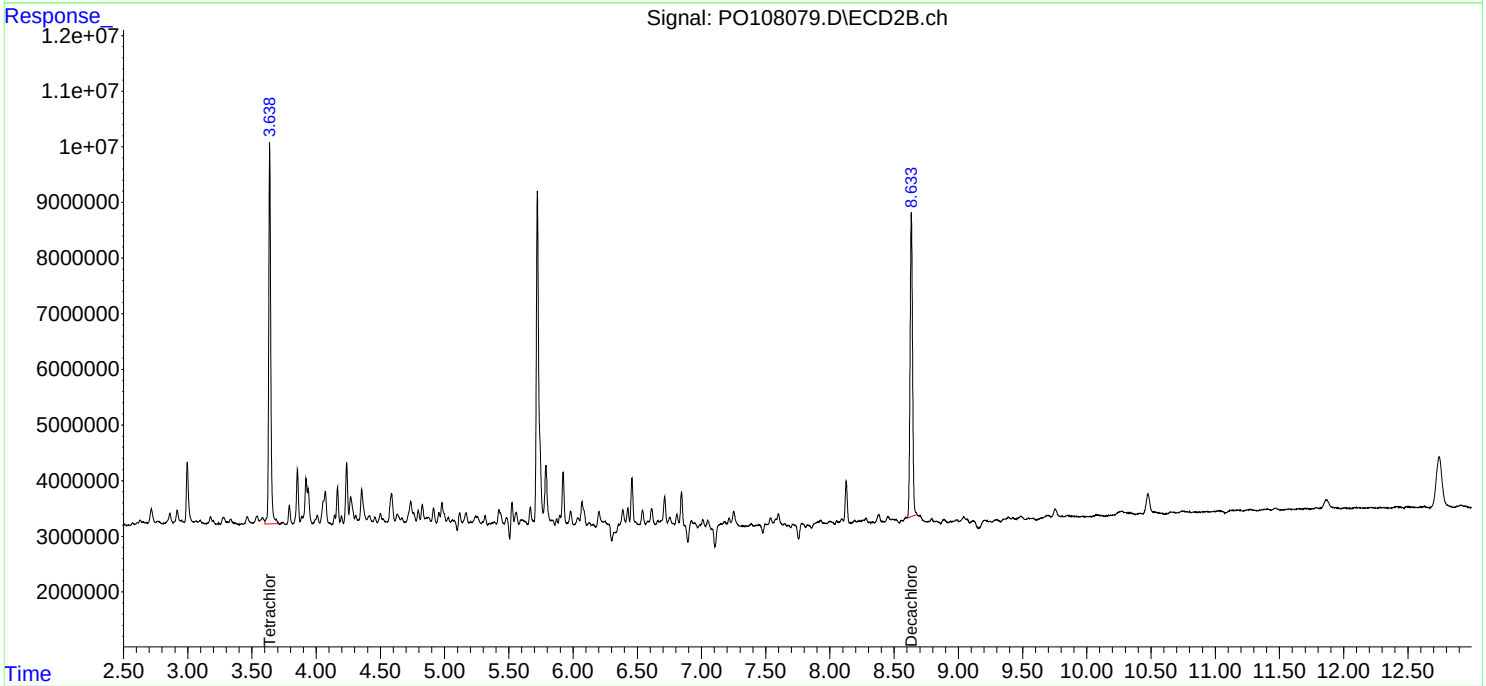
Instrument :
ECD_O
ClientSampleId :
PH2-BOT-002

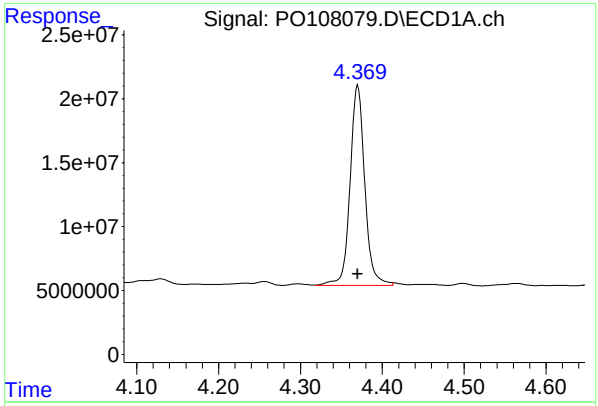
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:48:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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







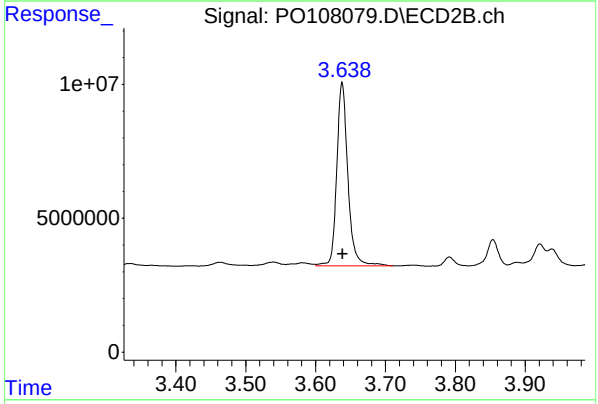
#1 Tetrachloro-m-xylene

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 195924166
Conc: 22.50 ng/ml

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-002

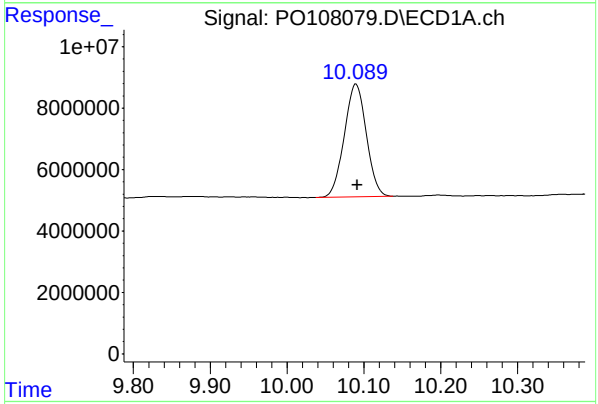
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024



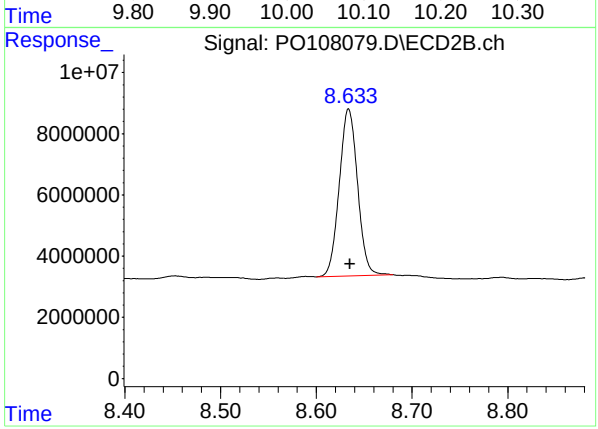
#1 Tetrachloro-m-xylene

R.T.: 3.638 min
Delta R.T.: 0.000 min
Response: 75641144
Conc: 22.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.089 min
Delta R.T.: -0.002 min
Response: 73047667
Conc: 23.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.002 min
Response: 72617205
Conc: 21.35 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108080.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 02:59
Operator : YP/AJ
Sample : P4860-04
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-003

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:48:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.371	3.638	200.2E6	77878739	22.994	22.970
2)	SA Decachlor...	10.093	8.634	77729947	78182732	25.450	22.983
	Target Compounds						

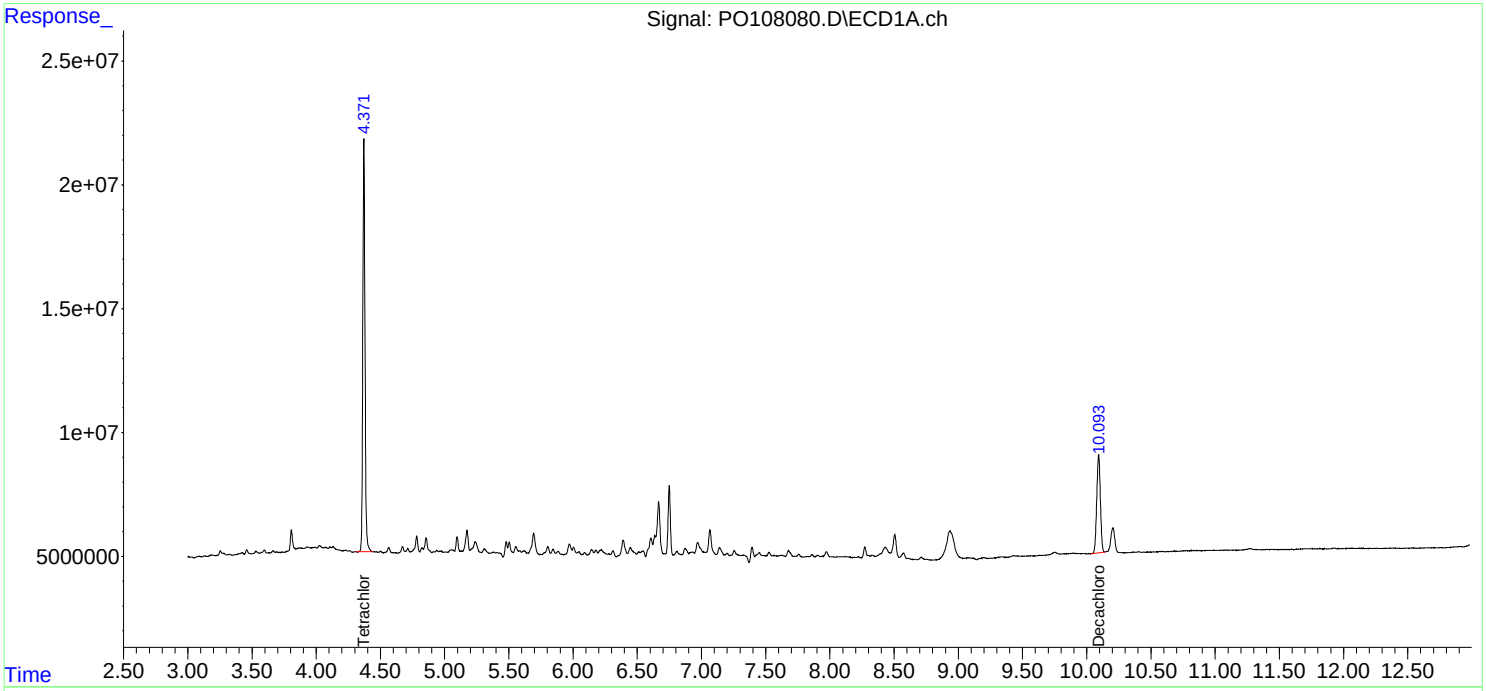
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

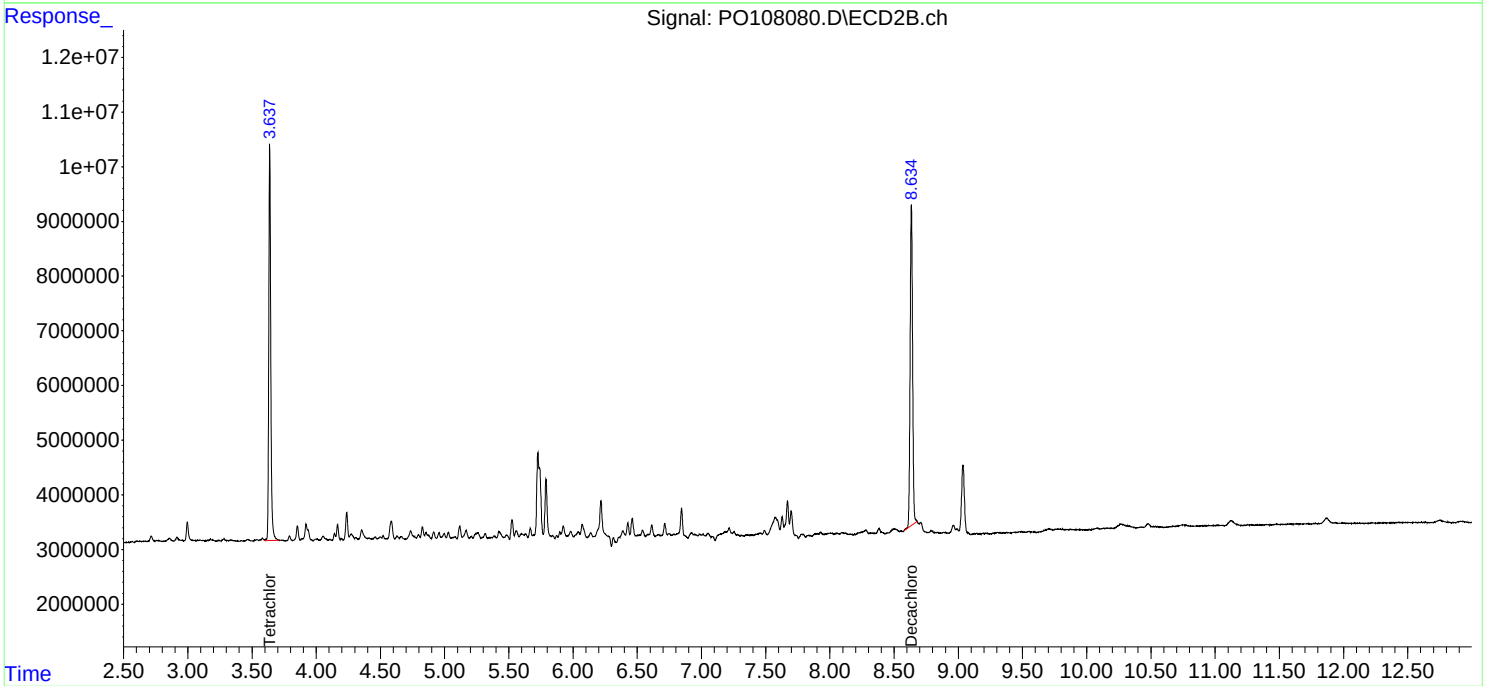
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108080.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 02:59
Operator : YP/AJ
Sample : P4860-04
Misc :
ALS Vial : 43 Sample Multiplier: 1

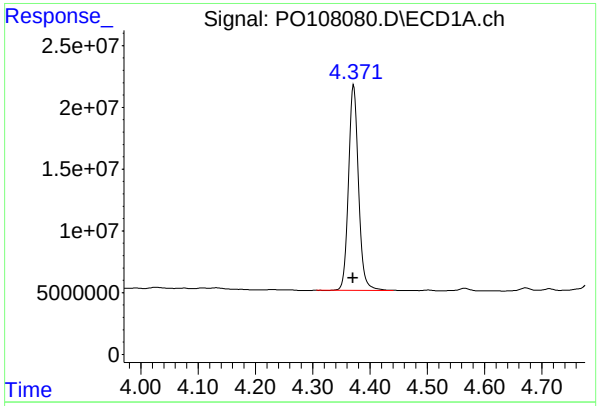
Instrument :
ECD_O
ClientSampleId :
PH2-BOT-003

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:48:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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



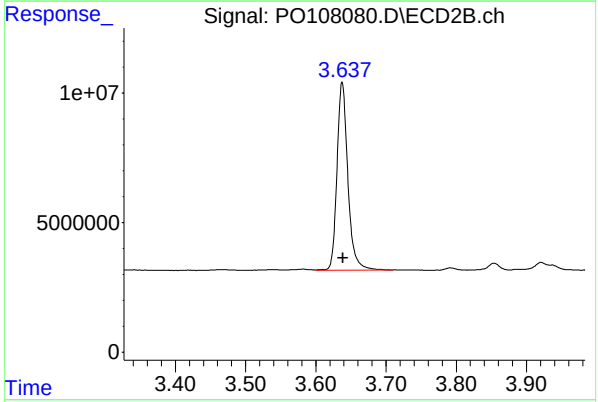




#1 Tetrachloro-m-xylene

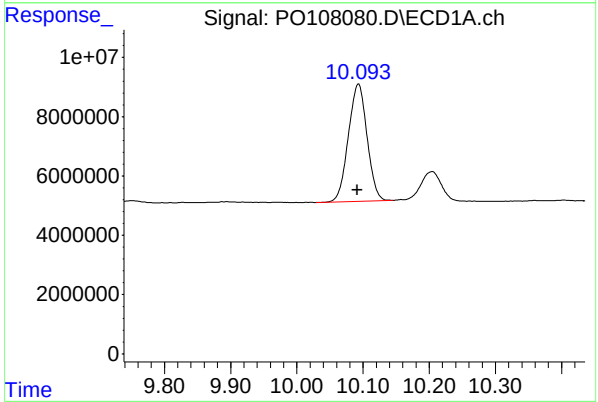
R.T.: 4.371 min
Delta R.T.: 0.001 min
Response: 200189258
Conc: 22.99 ng/ml

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-003



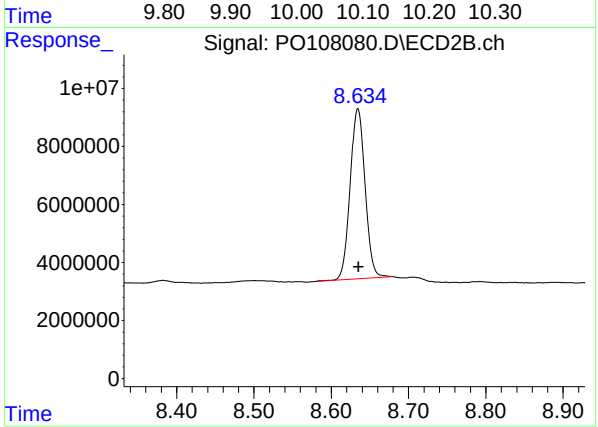
#1 Tetrachloro-m-xylene

R.T.: 3.638 min
Delta R.T.: -0.001 min
Response: 77878739
Conc: 22.97 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.093 min
Delta R.T.: 0.002 min
Response: 77729947
Conc: 25.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: 0.000 min
Response: 78182732
Conc: 22.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108081.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 03:16
Operator : YP/AJ
Sample : P4860-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-004

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 05:18:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.372	3.638	194.2E6	74572368	22.304	21.995
2)	SA Decachlor...	10.092	8.634	75368056	75879531	24.677	22.306
	Target Compounds						

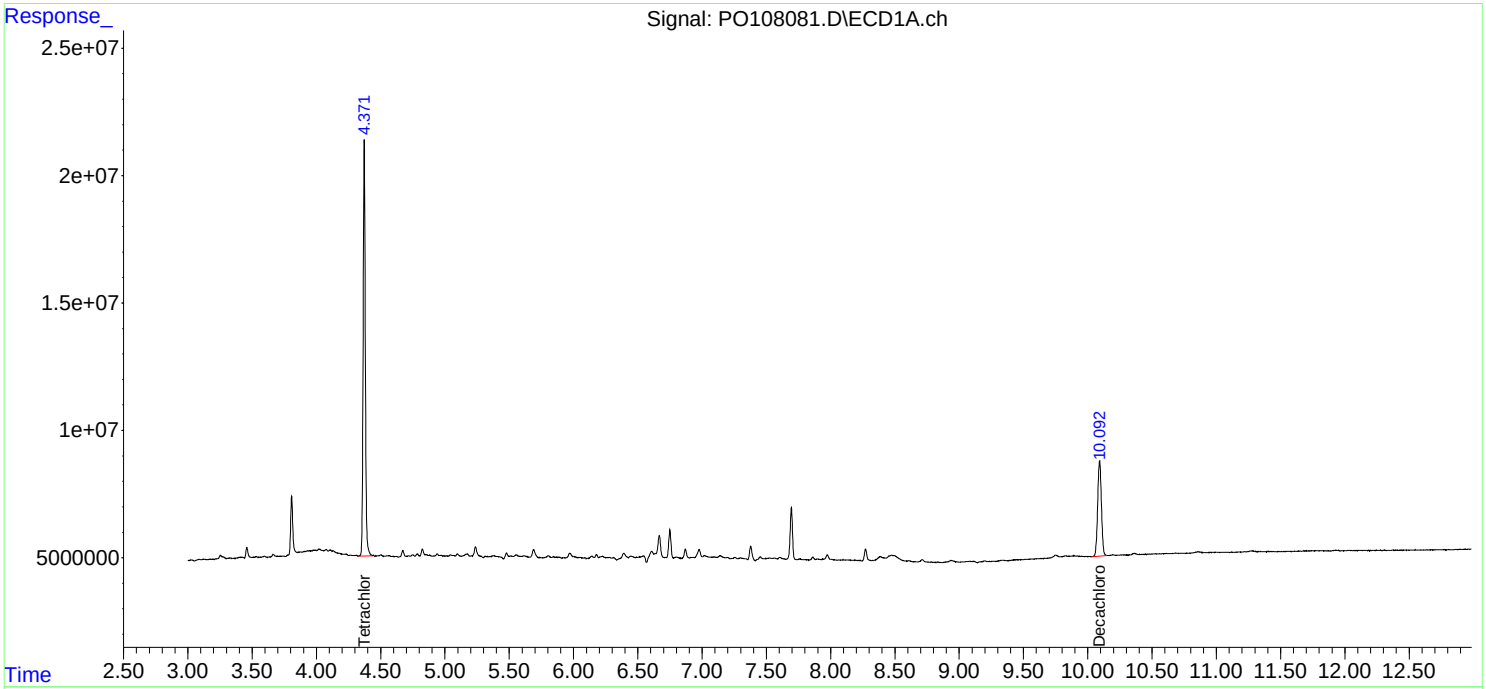
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

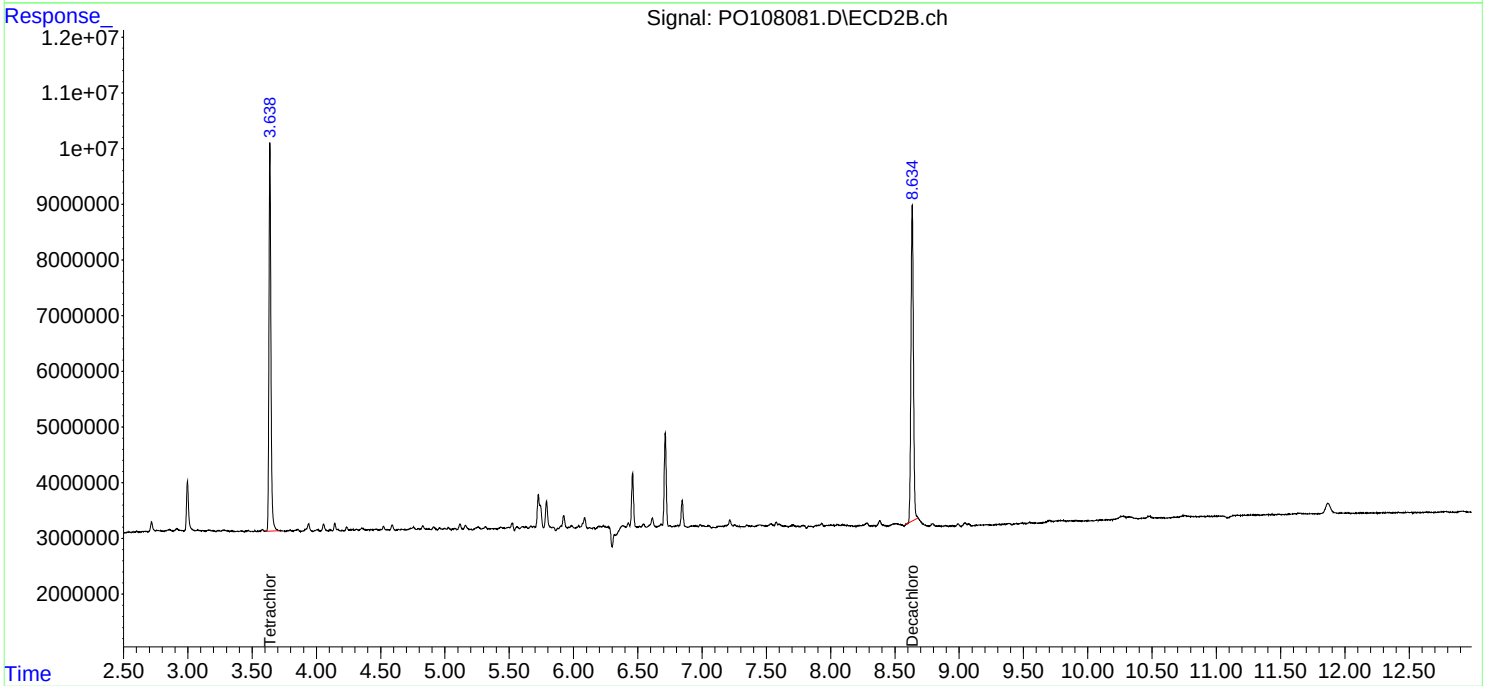
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108081.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 03:16
Operator : YP/AJ
Sample : P4860-05
Misc :
ALS Vial : 44 Sample Multiplier: 1

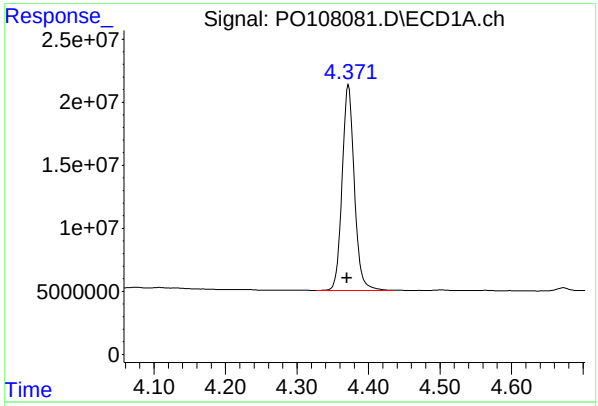
Instrument :
ECD_O
ClientSampleId :
PH2-BOT-004

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 05:18:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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



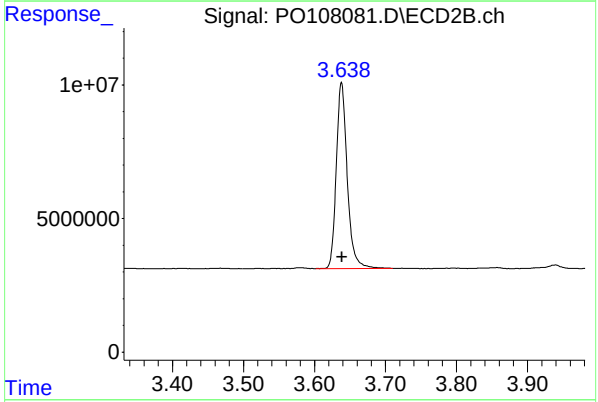




#1 Tetrachloro-m-xylene

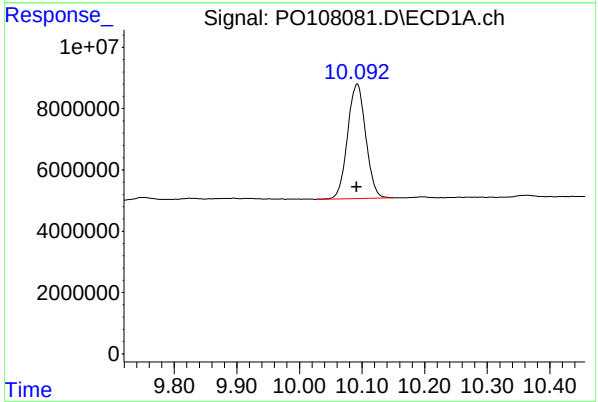
R.T.: 4.372 min
Delta R.T.: 0.002 min
Response: 194177812
Conc: 22.30 ng/ml

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-004



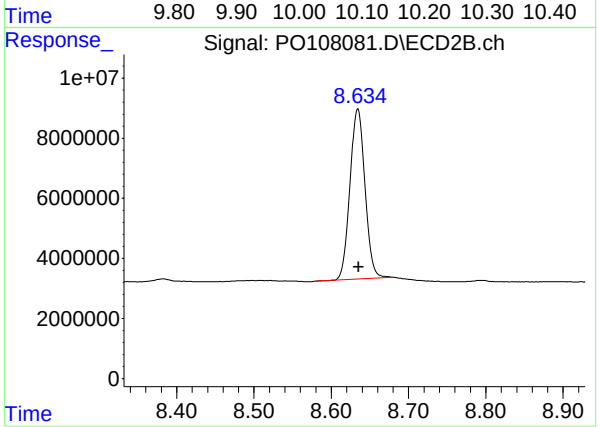
#1 Tetrachloro-m-xylene

R.T.: 3.638 min
Delta R.T.: 0.000 min
Response: 74572368
Conc: 22.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.092 min
Delta R.T.: 0.001 min
Response: 75368056
Conc: 24.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.001 min
Response: 75879531
Conc: 22.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108082.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 03:33
Operator : YP/AJ
Sample : P4860-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-009

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 05:19:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.371	3.638	201.3E6	77672465	23.117	22.909
2)	SA Decachlor...	10.091	8.633	77960914	79254017	25.526	23.298
	Target Compounds						

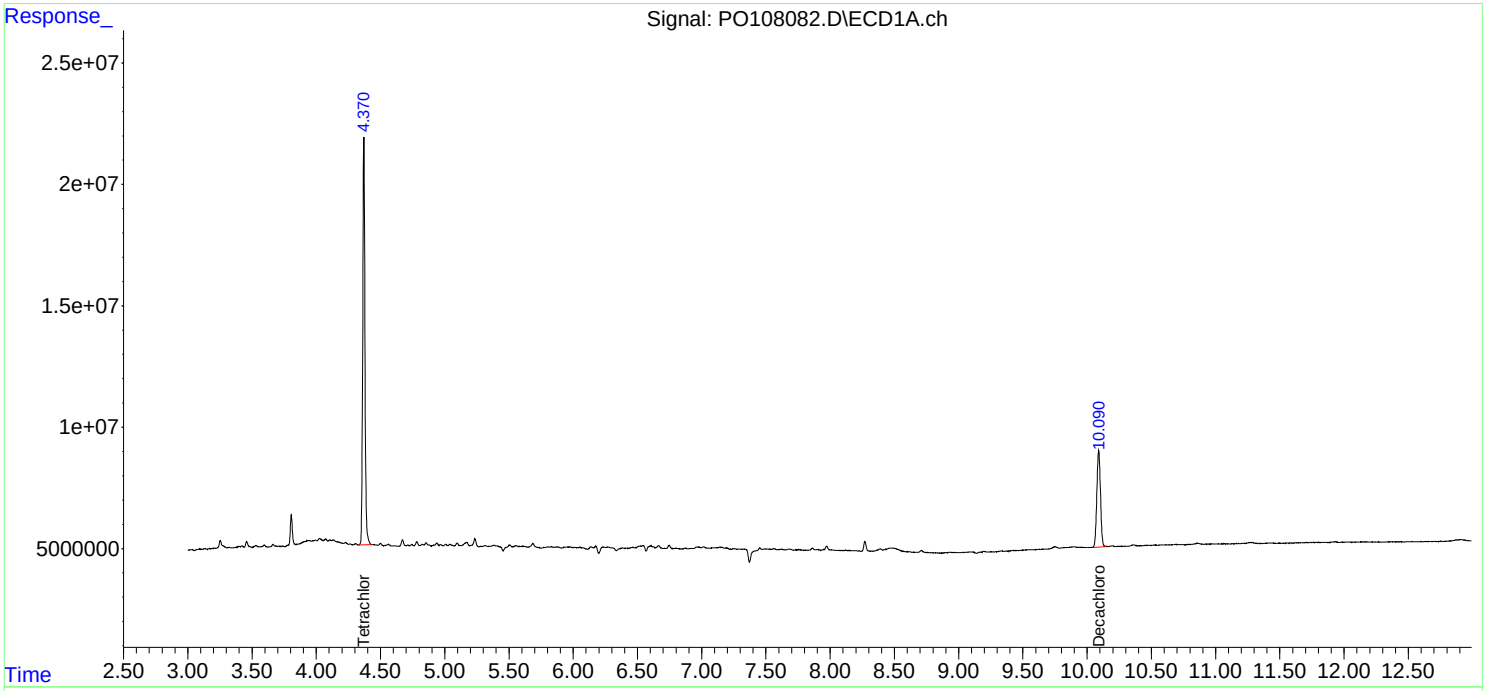
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

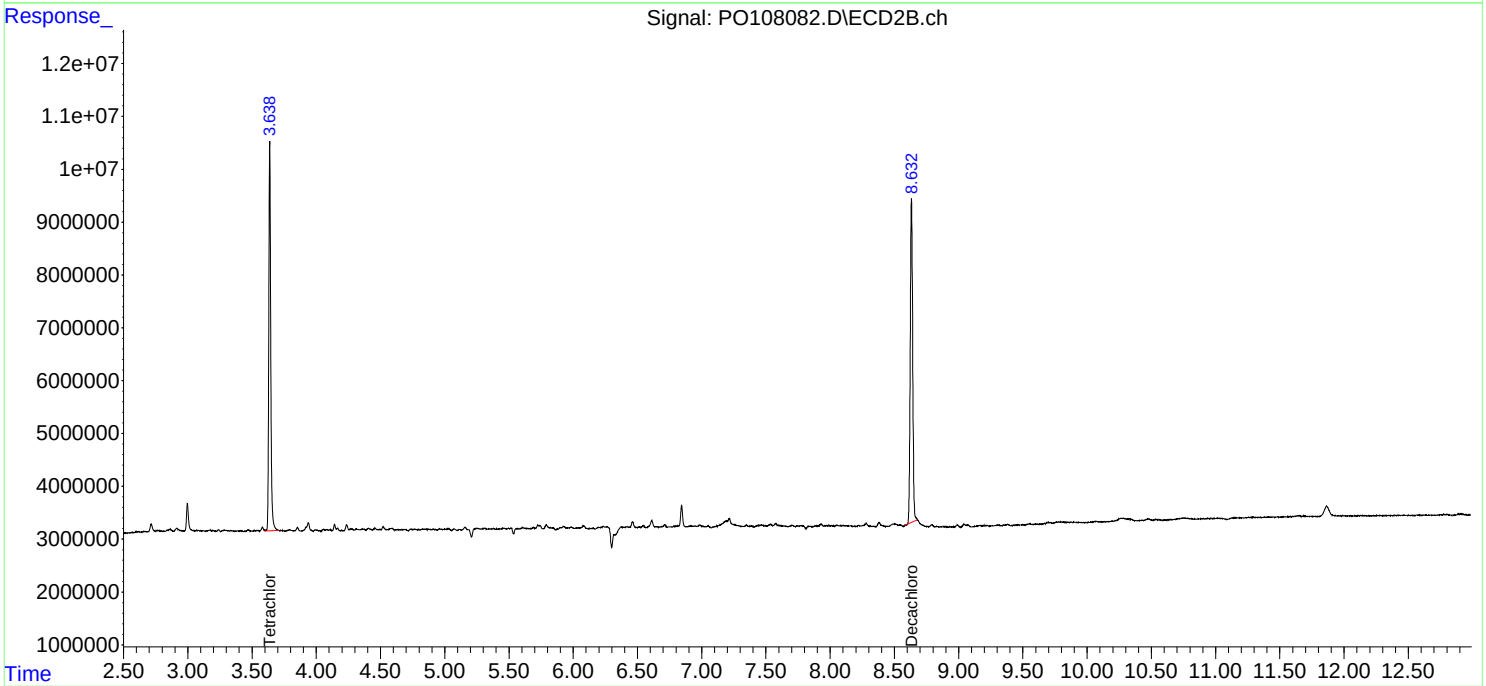
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108082.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 03:33
Operator : YP/AJ
Sample : P4860-06
Misc :
ALS Vial : 45 Sample Multiplier: 1

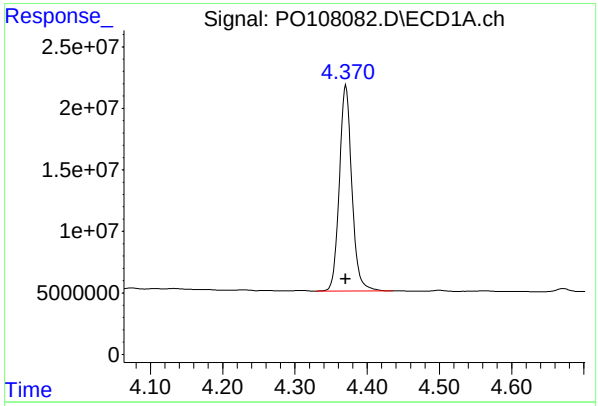
Instrument :
ECD_O
ClientSampleId :
PH2-BOT-009

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 05:19:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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



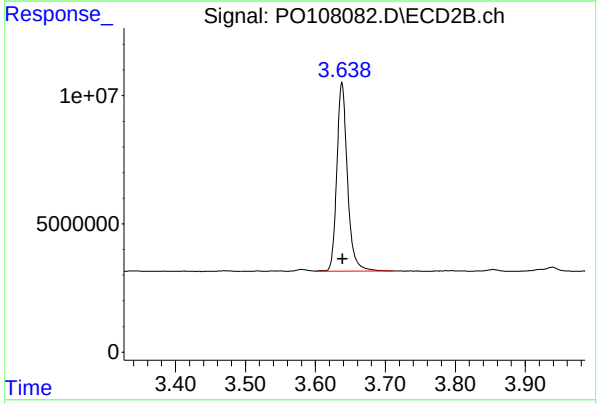




#1 Tetrachloro-m-xylene

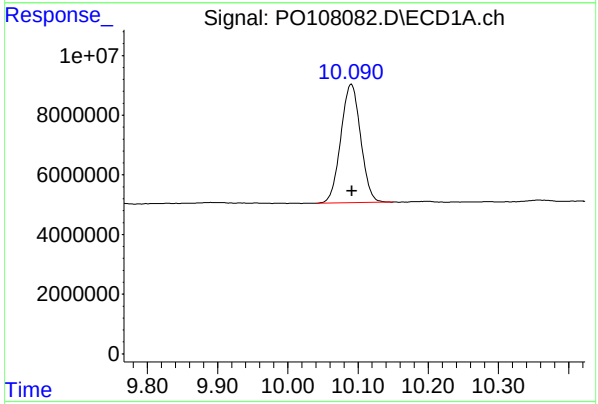
R.T.: 4.371 min
Delta R.T.: 0.000 min
Response: 201262220
Conc: 23.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-009



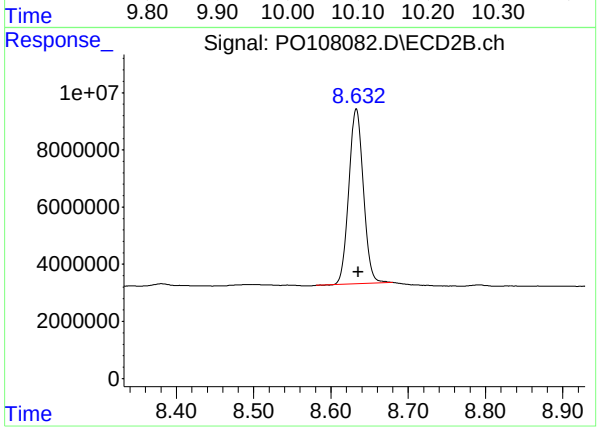
#1 Tetrachloro-m-xylene

R.T.: 3.638 min
Delta R.T.: 0.000 min
Response: 77672465
Conc: 22.91 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.091 min
Delta R.T.: 0.000 min
Response: 77960914
Conc: 25.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.633 min
Delta R.T.: -0.003 min
Response: 79254017
Conc: 23.30 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108083.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 03:49
Operator : YP/AJ
Sample : P4860-07
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-008

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 05:19:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.370	3.638	188.7E6	73141564	21.674	21.573
2)	SA Decachlor...	10.090	8.634	70591838	71647117	23.113	21.062
	Target Compounds						

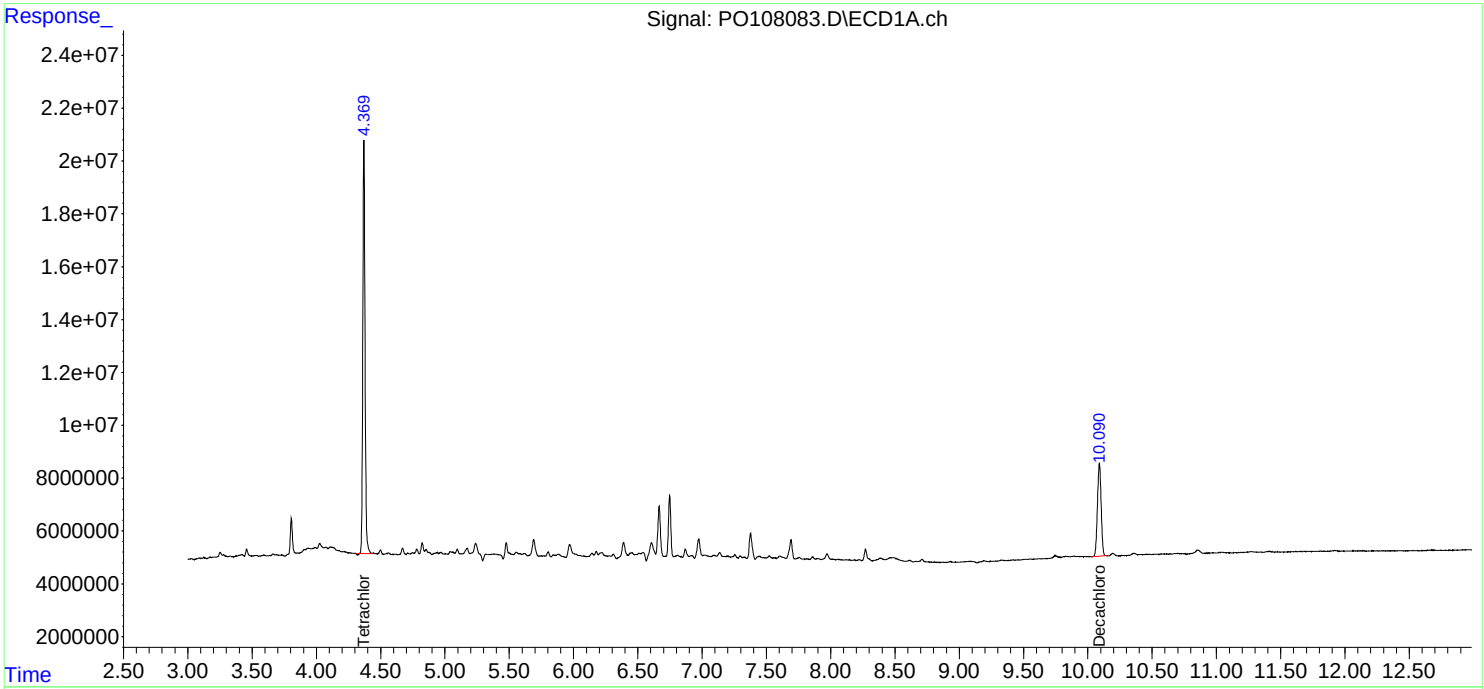
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

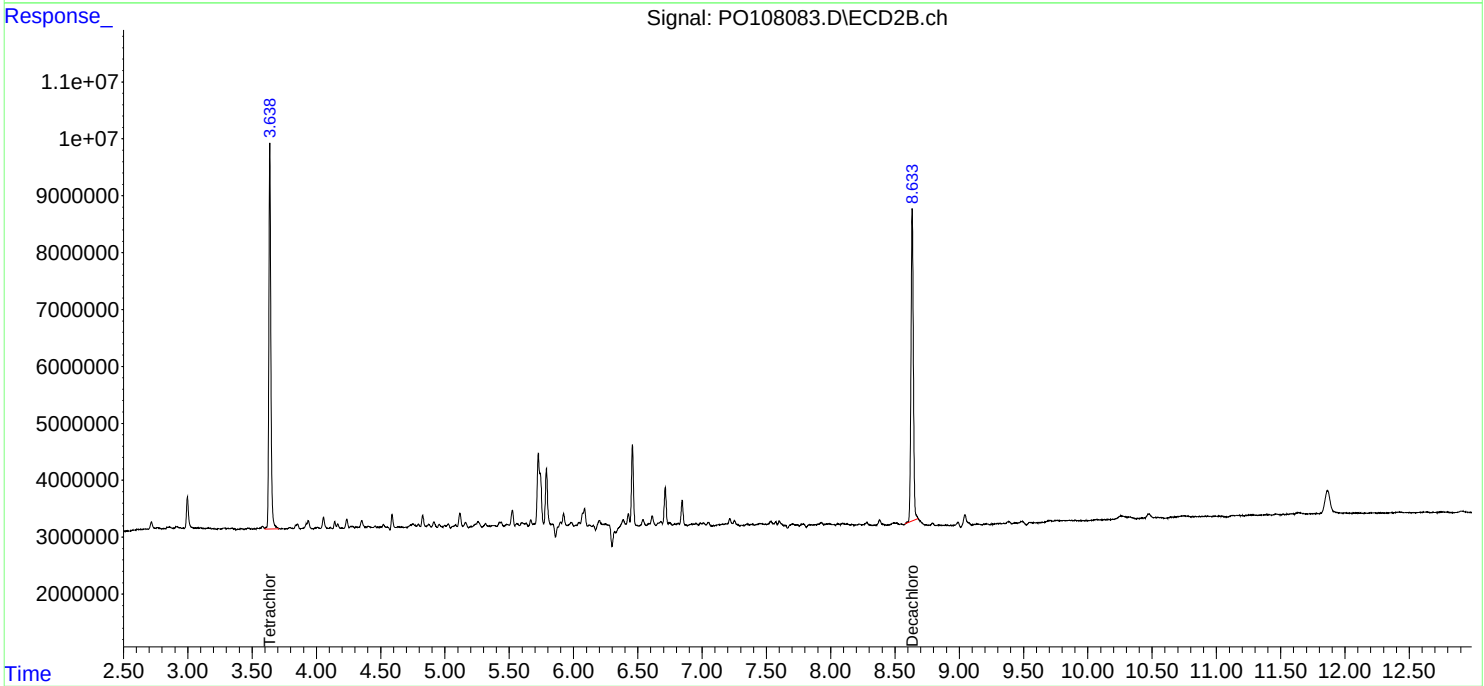
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108083.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 03:49
Operator : YP/AJ
Sample : P4860-07
Misc :
ALS Vial : 46 Sample Multiplier: 1

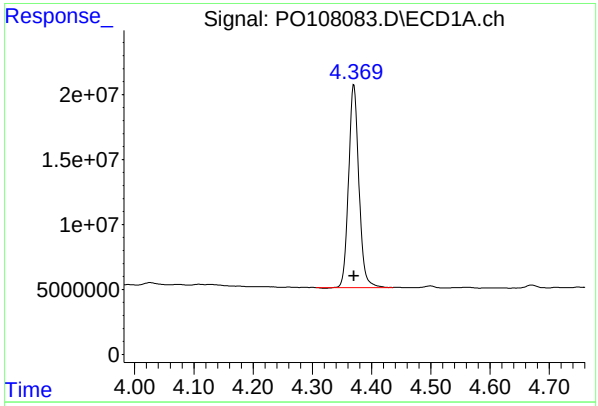
Instrument :
ECD_O
ClientSampleId :
PH2-BOT-008

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 05:19:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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



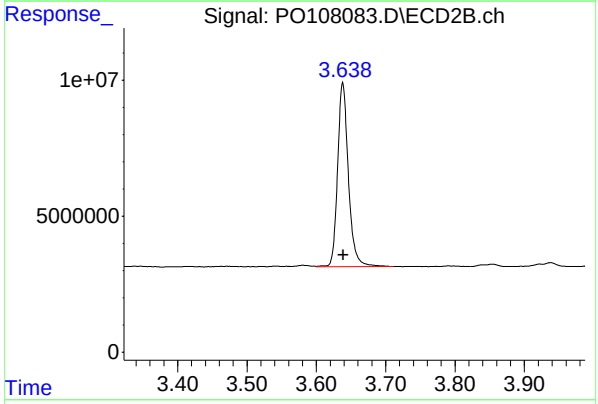




#1 Tetrachloro-m-xylene

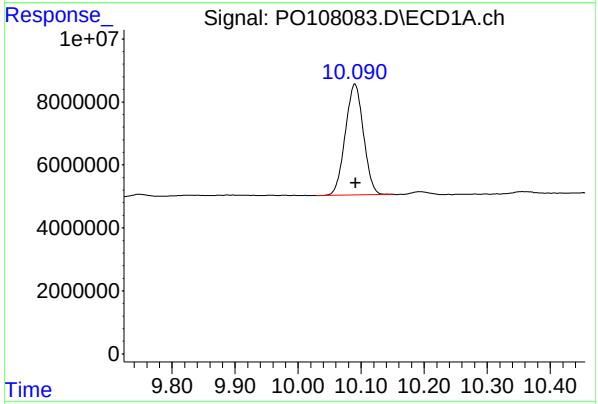
R.T.: 4.370 min
Delta R.T.: 0.000 min
Response: 188696055
Conc: 21.67 ng/ml

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-008



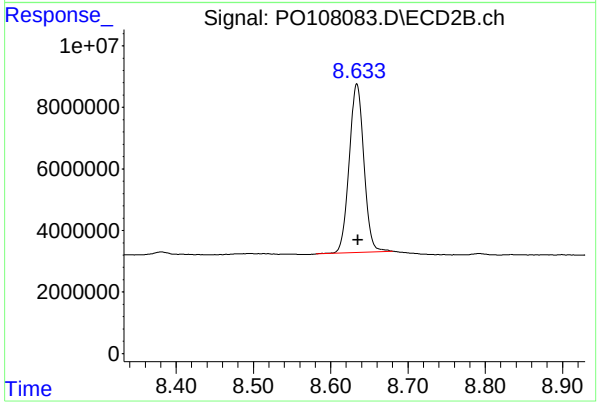
#1 Tetrachloro-m-xylene

R.T.: 3.638 min
Delta R.T.: 0.000 min
Response: 73141564
Conc: 21.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.090 min
Delta R.T.: -0.001 min
Response: 70591838
Conc: 23.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.002 min
Response: 71647117
Conc: 21.06 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108084.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 04:06
Operator : YP/AJ
Sample : P4860-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-007

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 05:19:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.372	3.638	163.1E6	62378653	18.731	18.399
2)	SA Decachlor...	10.092	8.634	68995917	68768072	22.591	20.216
	Target Compounds						

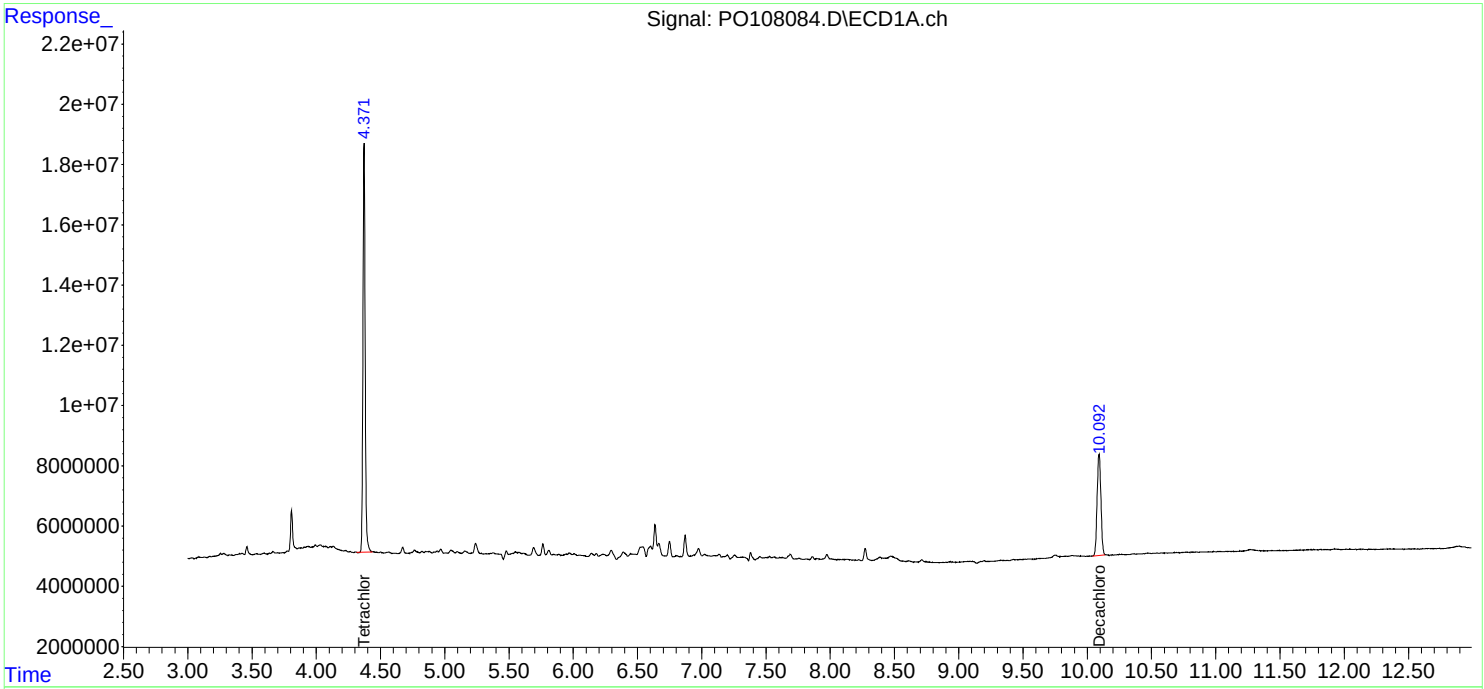
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

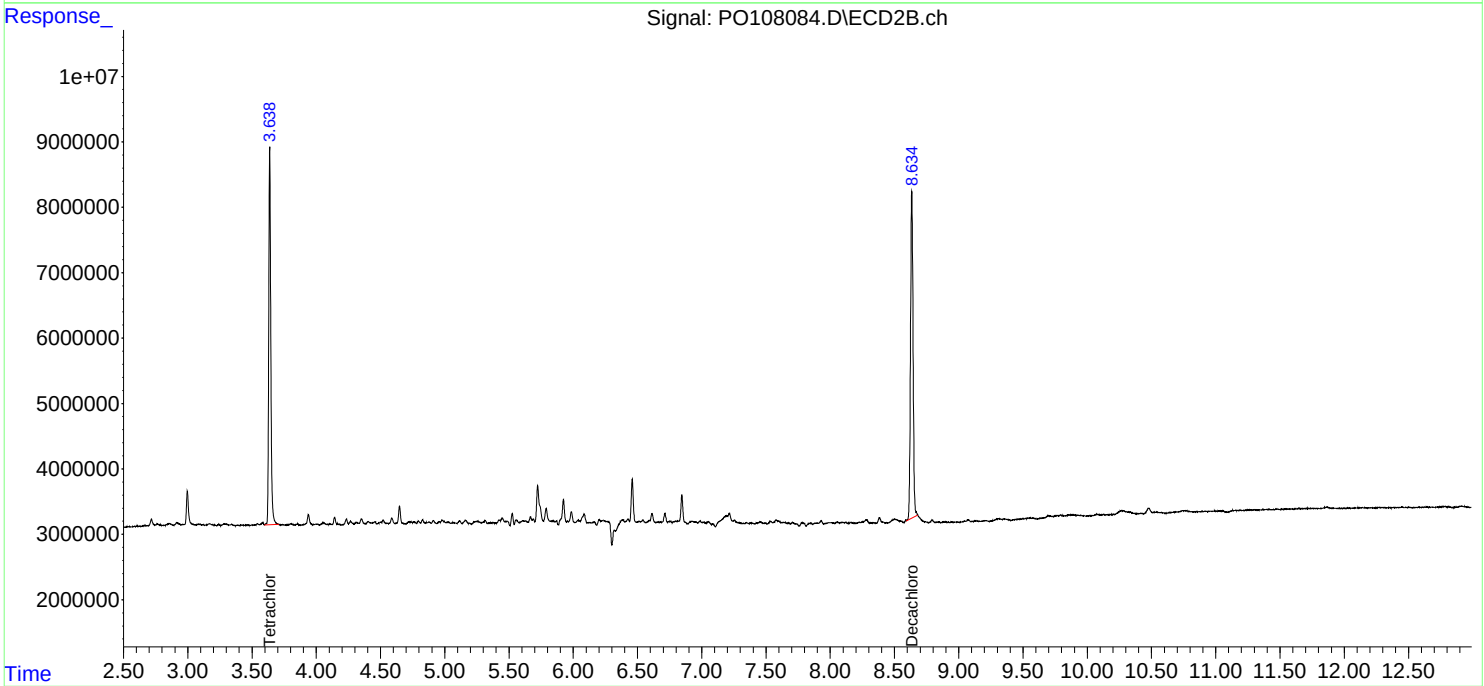
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108084.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 04:06
Operator : YP/AJ
Sample : P4860-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

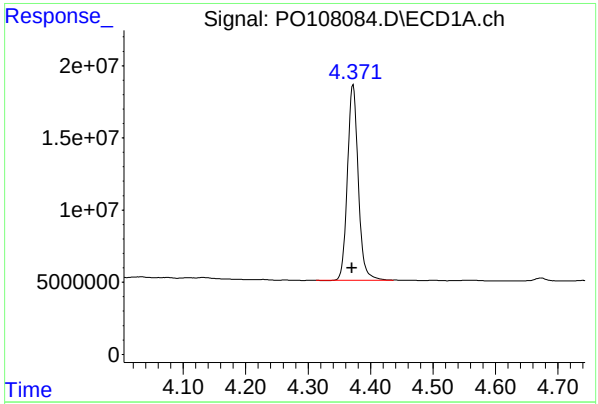
Instrument :
ECD_O
ClientSampleId :
PH2-BOT-007

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 05:19:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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



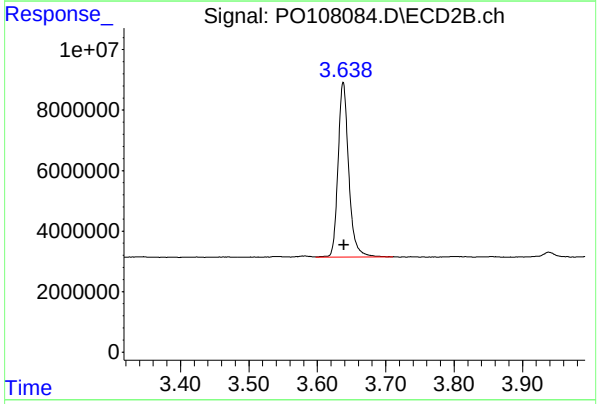




#1 Tetrachloro-m-xylene

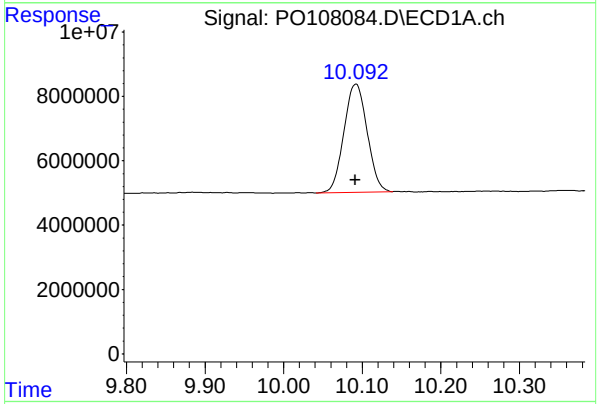
R.T.: 4.372 min
Delta R.T.: 0.002 min
Response: 163077038
Conc: 18.73 ng/ml

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-007



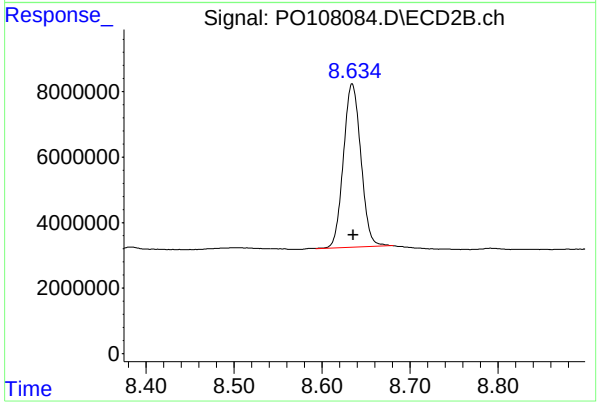
#1 Tetrachloro-m-xylene

R.T.: 3.638 min
Delta R.T.: 0.000 min
Response: 62378653
Conc: 18.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.092 min
Delta R.T.: 0.000 min
Response: 68995917
Conc: 22.59 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.001 min
Response: 68768072
Conc: 20.22 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108085.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 04:23
Operator : YP/AJ
Sample : P4860-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-006

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 05:20:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.372	3.638	187.3E6	71427120	21.510	21.067
2)	SA Decachlor...	10.093	8.634	69371327	70696860	22.713	20.783
	Target Compounds						

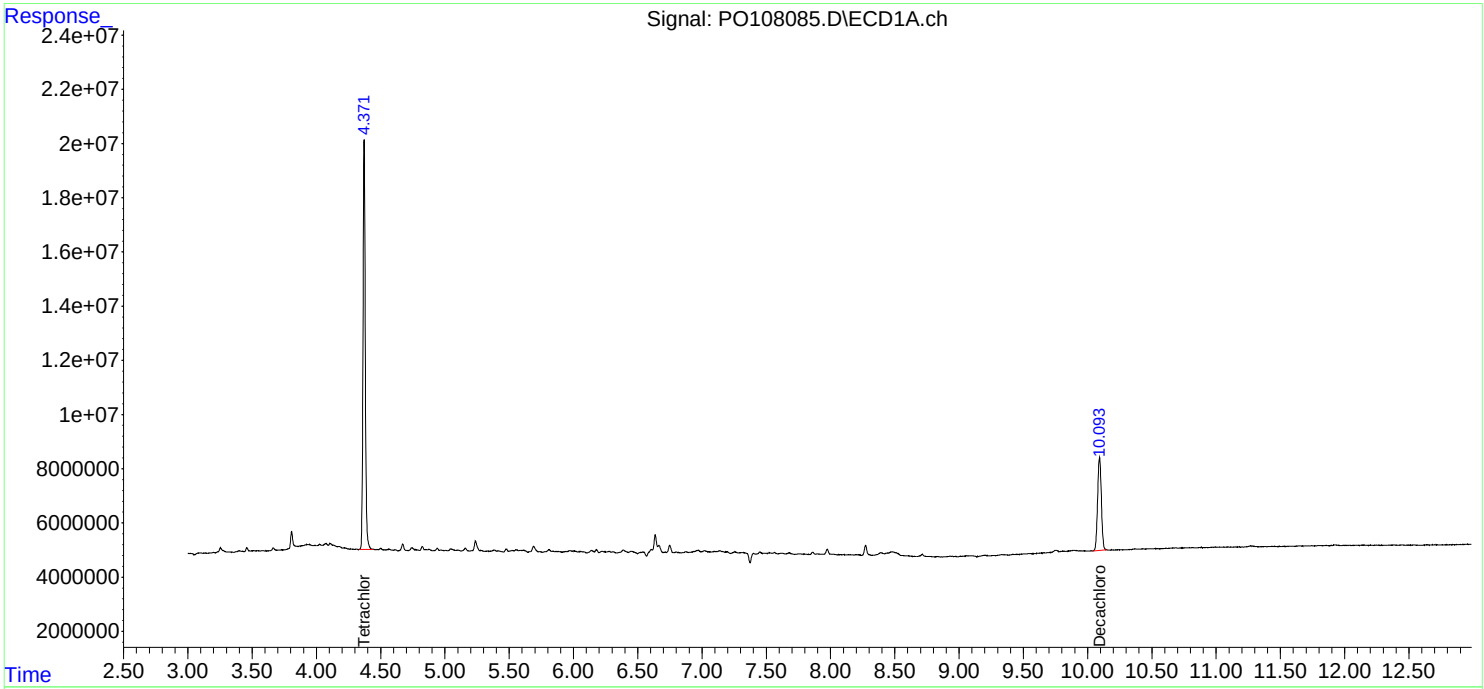
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

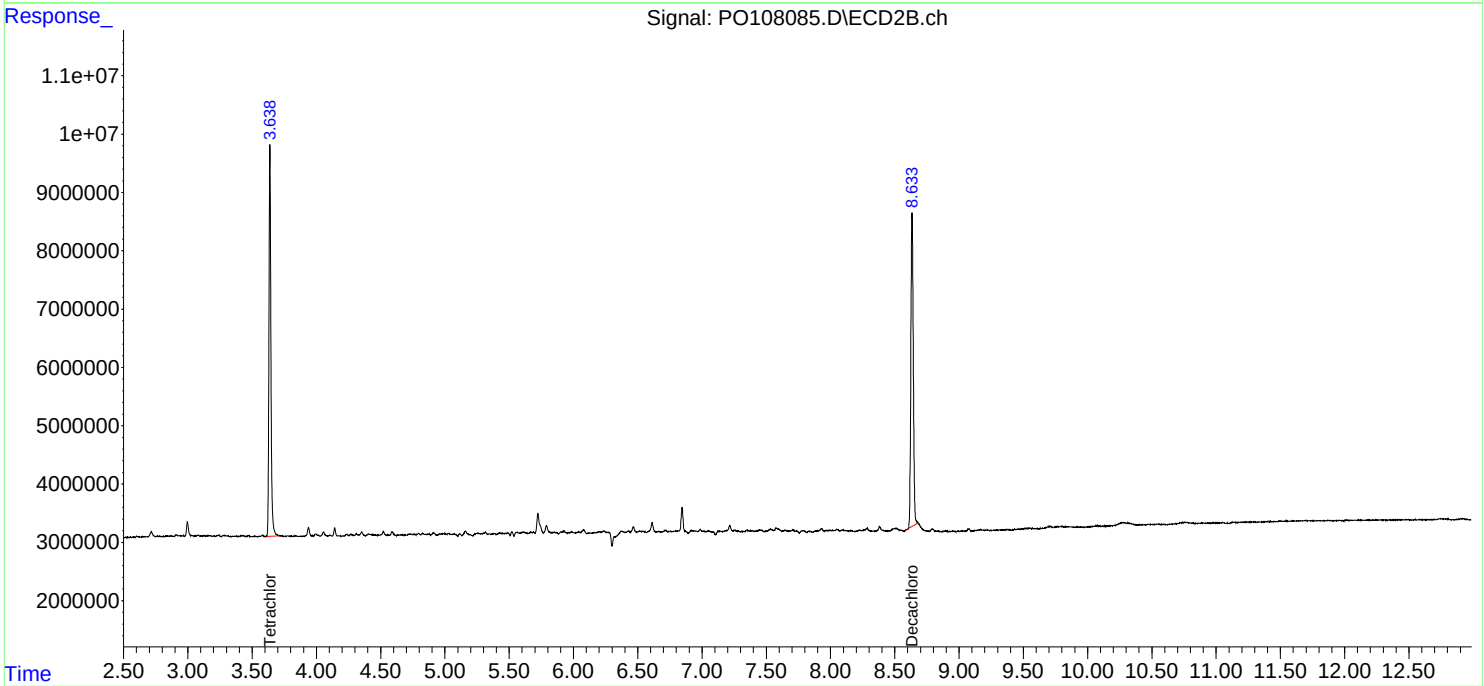
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108085.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 04:23
Operator : YP/AJ
Sample : P4860-09
Misc :
ALS Vial : 48 Sample Multiplier: 1

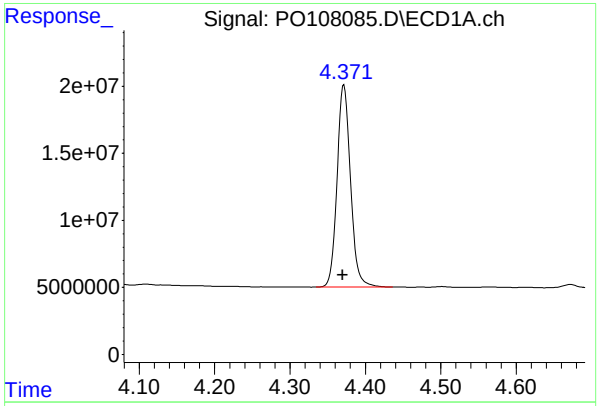
Instrument :
ECD_O
ClientSampleId :
PH2-BOT-006

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 05:20:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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



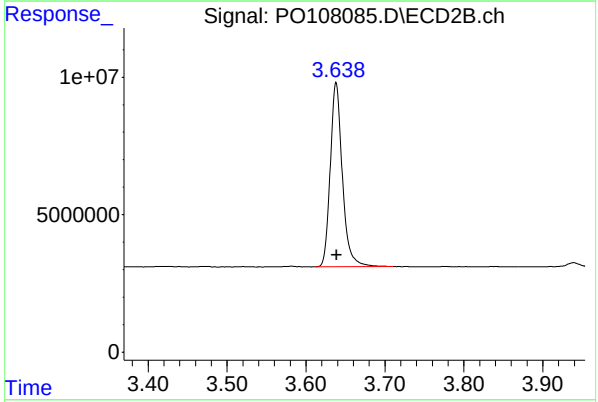




#1 Tetrachloro-m-xylene

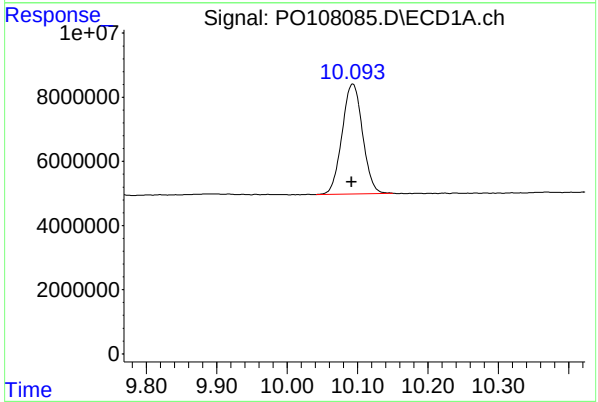
R.T.: 4.372 min
Delta R.T.: 0.002 min
Response: 187268970
Conc: 21.51 ng/ml

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-006



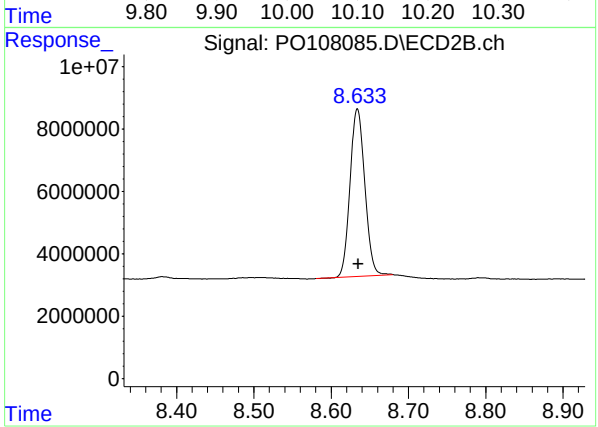
#1 Tetrachloro-m-xylene

R.T.: 3.638 min
Delta R.T.: 0.000 min
Response: 71427120
Conc: 21.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.093 min
Delta R.T.: 0.002 min
Response: 69371327
Conc: 22.71 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.002 min
Response: 70696860
Conc: 20.78 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108086.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 04:39
Operator : YP/AJ
Sample : P4860-10
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 05:20:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.370	3.638	190.8E6	74020986	21.914	21.832
2)	SA Decachlor...	10.091	8.634	70787096	72869648	23.177	21.421
	Target Compounds						

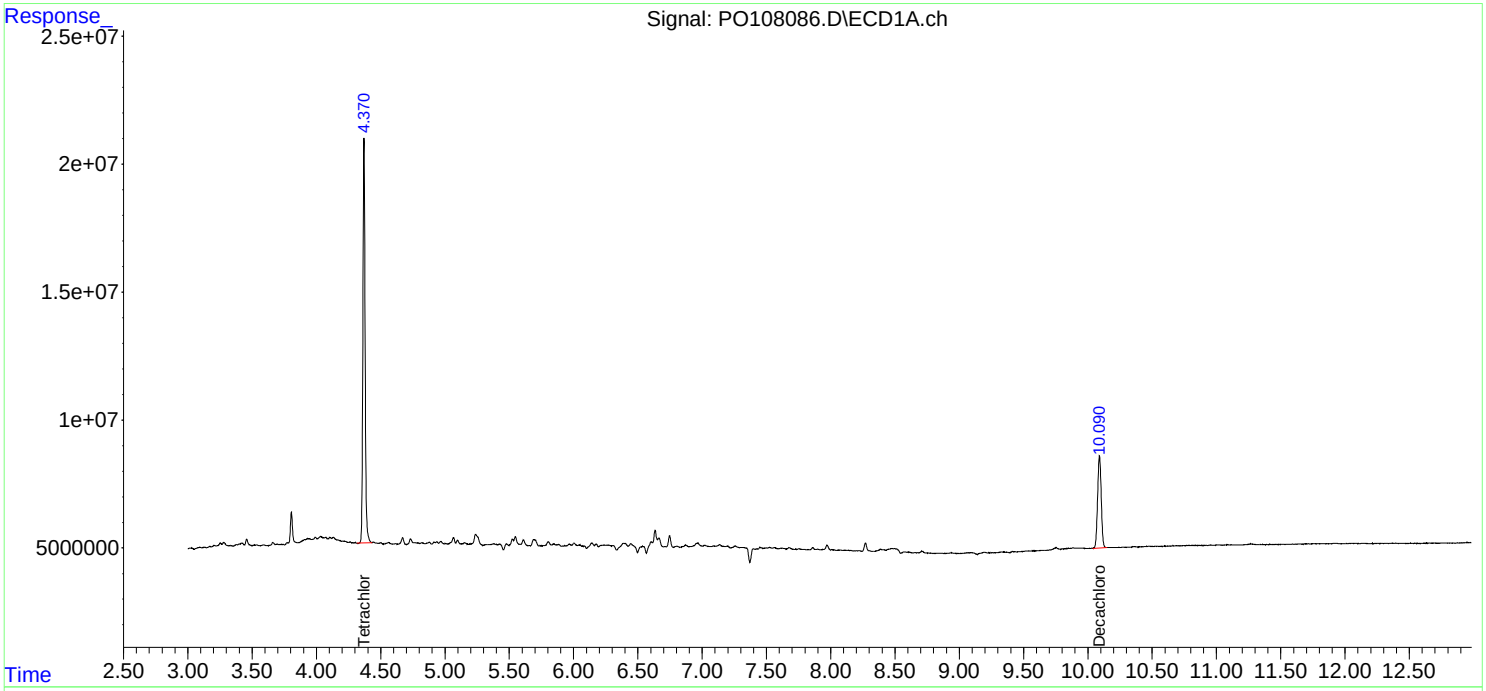
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

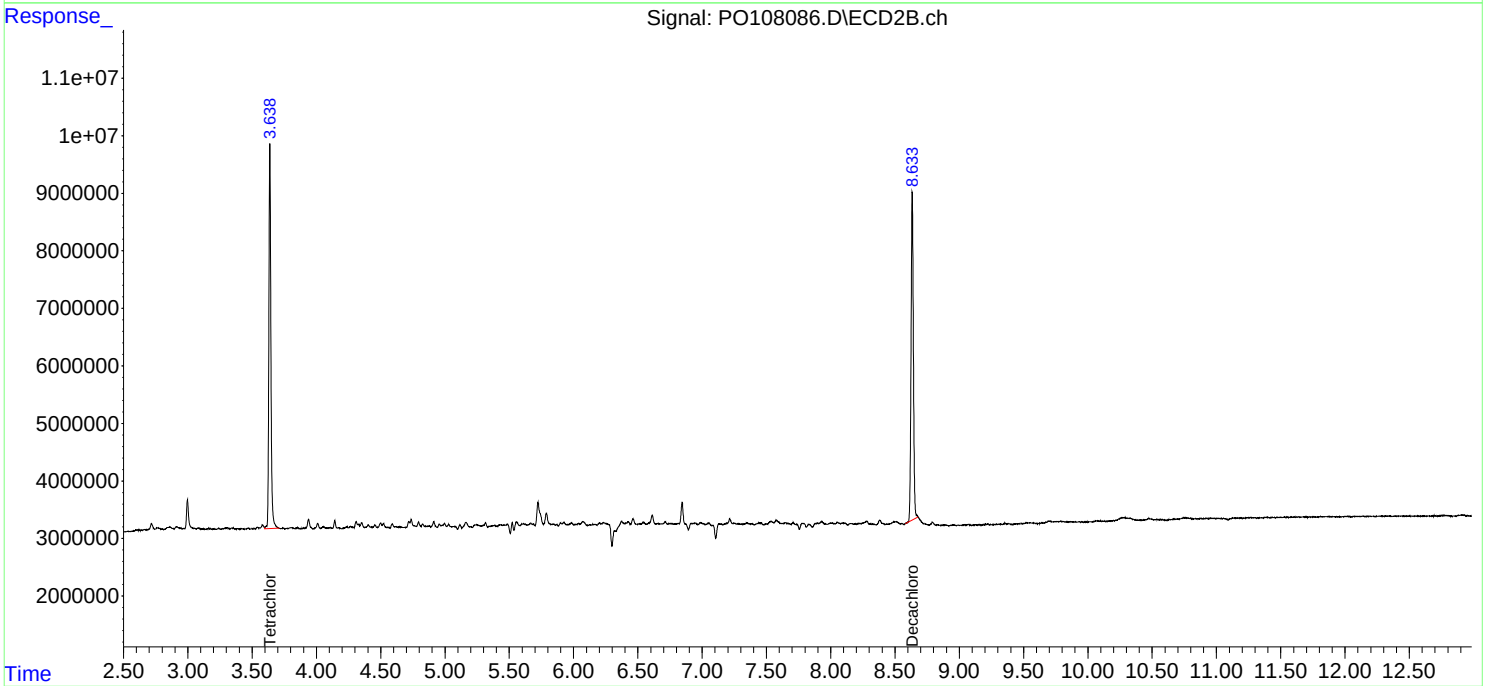
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108086.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 04:39
Operator : YP/AJ
Sample : P4860-10
Misc :
ALS Vial : 49 Sample Multiplier: 1

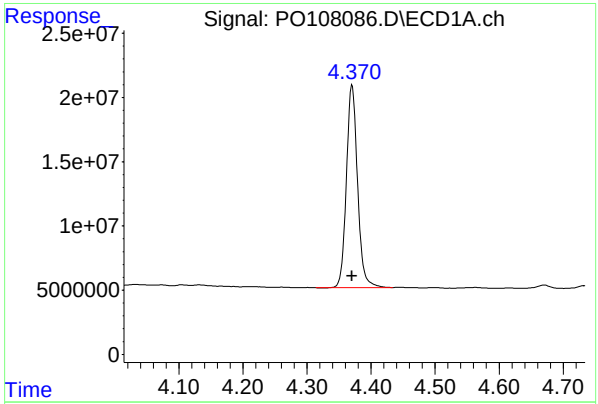
Instrument :
ECD_O
ClientSampleId :
PH2-BOT-005

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 05:20:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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



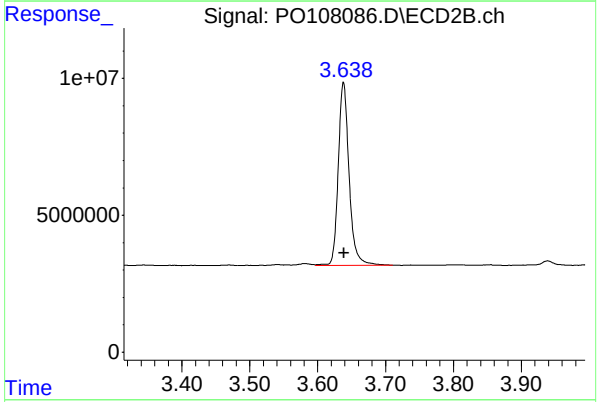




#1 Tetrachloro-m-xylene

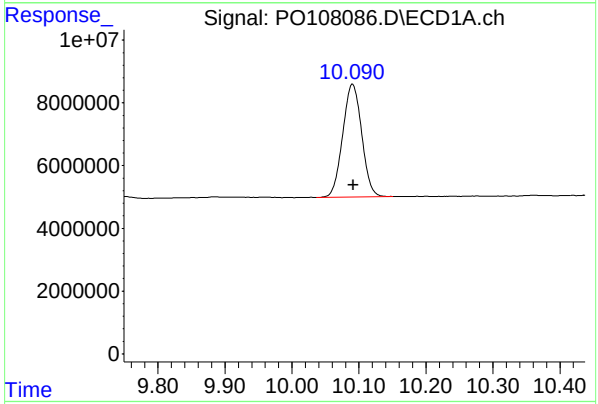
R.T.: 4.370 min
Delta R.T.: 0.000 min
Response: 190783080
Conc: 21.91 ng/ml

Instrument :
ECD_O
ClientSampleId :
PH2-BOT-005



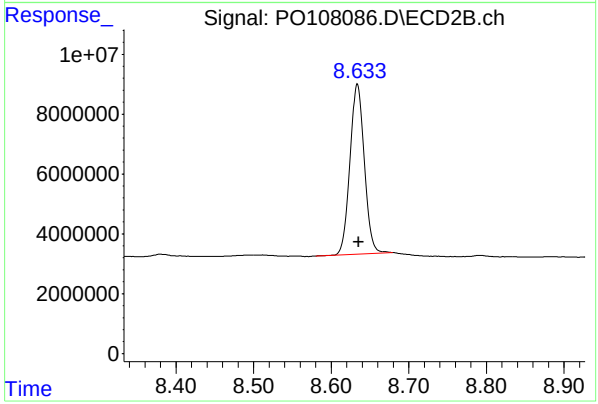
#1 Tetrachloro-m-xylene

R.T.: 3.638 min
Delta R.T.: 0.000 min
Response: 74020986
Conc: 21.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.091 min
Delta R.T.: 0.000 min
Response: 70787096
Conc: 23.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.002 min
Response: 72869648
Conc: 21.42 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108073.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 01:04
Operator : YP/AJ
Sample : PB165043BL
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165043BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:46:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.370	3.638	173.7E6	65677992	19.956	19.372
2)	SA Decachlor...	10.091	8.634	70552588	70476241	23.100	20.718
	Target Compounds						

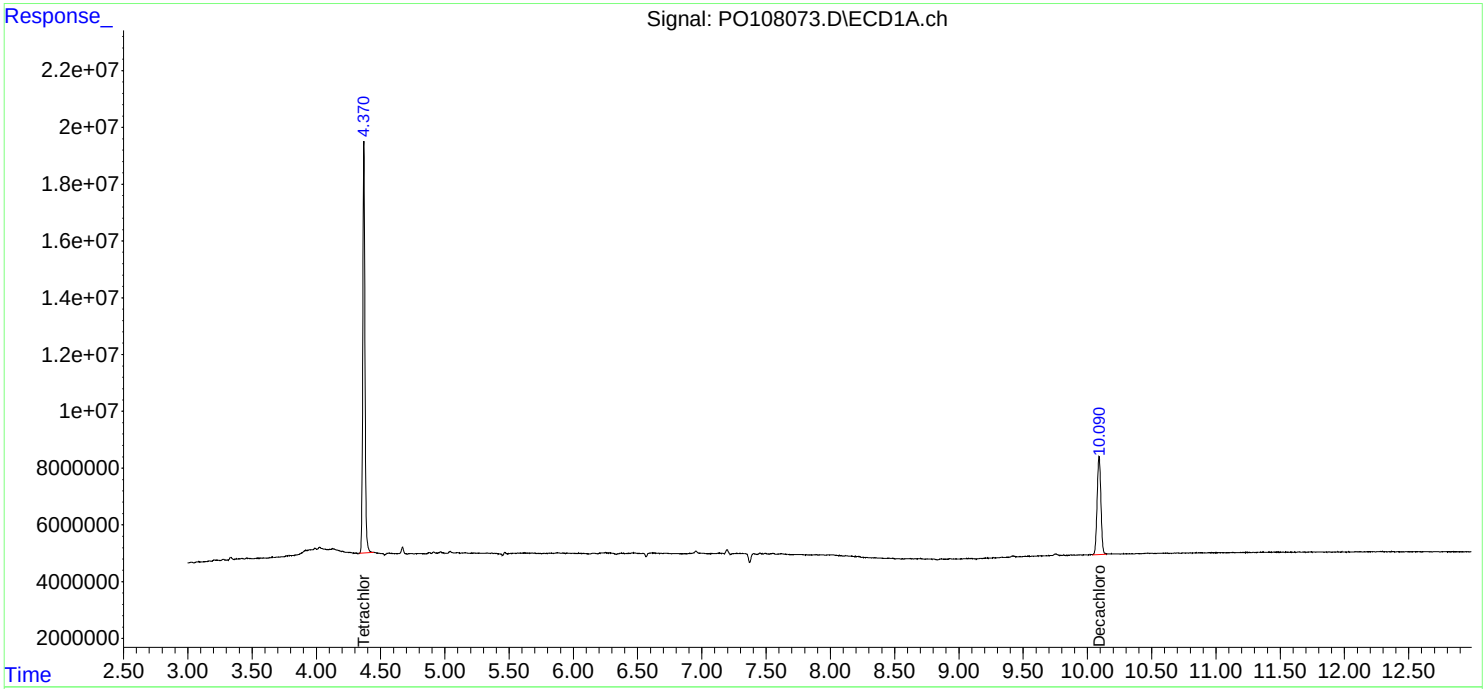
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

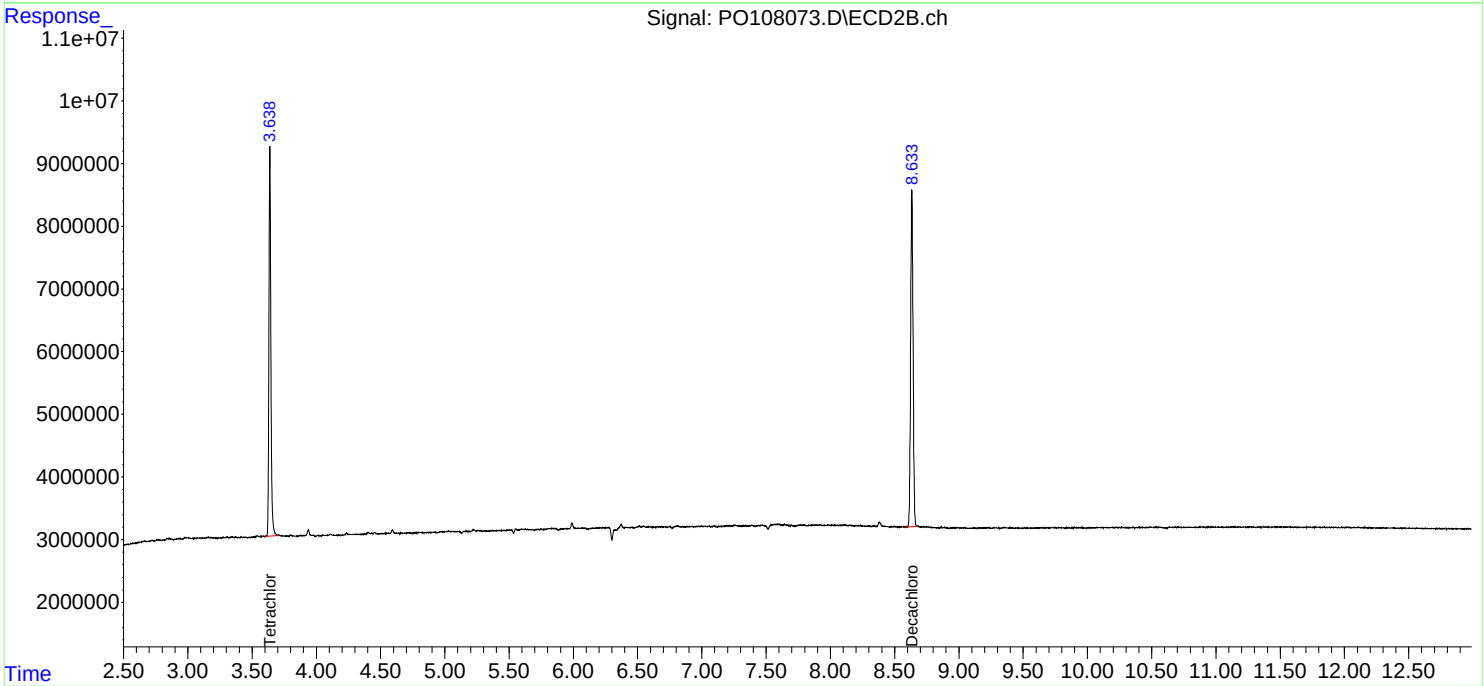
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108073.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 01:04
Operator : YP/AJ
Sample : PB165043BL
Misc :
ALS Vial : 36 Sample Multiplier: 1

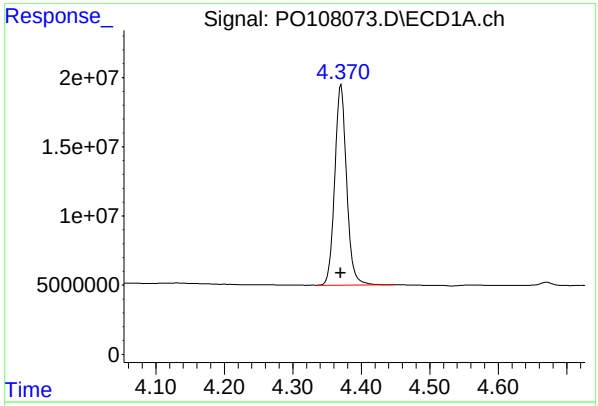
Instrument :
ECD_O
ClientSampleId :
PB165043BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:46:53 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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



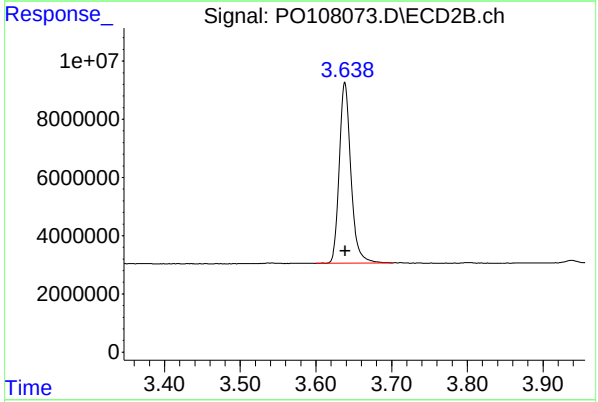




#1 Tetrachloro-m-xylene

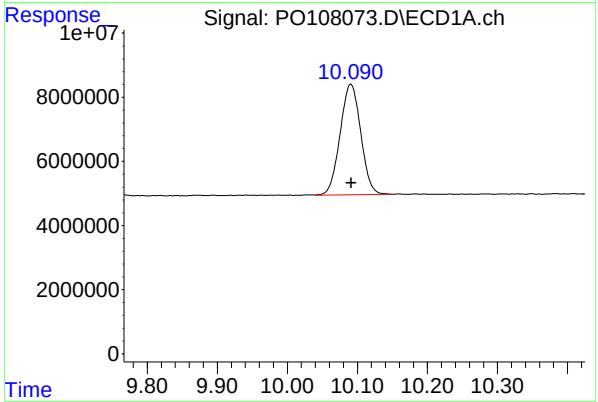
R.T.: 4.370 min
Delta R.T.: 0.000 min
Response: 173739029
Conc: 19.96 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB165043BL



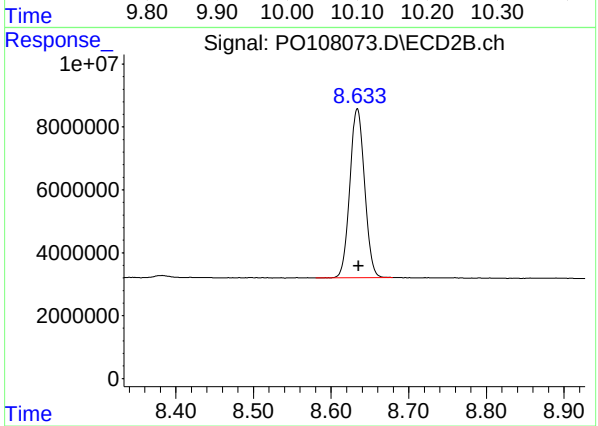
#1 Tetrachloro-m-xylene

R.T.: 3.638 min
Delta R.T.: 0.000 min
Response: 65677992
Conc: 19.37 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.091 min
Delta R.T.: 0.000 min
Response: 70552588
Conc: 23.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.634 min
Delta R.T.: -0.002 min
Response: 70476241
Conc: 20.72 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108074.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 01:20
Operator : YP/AJ
Sample : PB165043BS
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165043BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:47:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.370	3.638	184.3E6	66286570	21.164	19.551
2)	SA Decachlor...	10.089	8.633	73151321	73283339	23.951	21.543
	Target Compounds						
3)	L1 AR-1016-1	5.525	4.719	128.4E6	52385045	477.633	479.393
4)	L1 AR-1016-2	5.548	4.738	185.9E6	74193997	479.501	485.237
5)	L1 AR-1016-3	5.610	4.914	116.2E6	39751451	464.934	483.805
6)	L1 AR-1016-4	5.707	4.955	93820591	30081411	480.468	472.438
7)	L1 AR-1016-5	6.004	5.169	87296668	40242516	470.779	464.176
31)	L7 AR-1260-1	7.136	6.200	143.6E6	79467151	523.382	490.717
32)	L7 AR-1260-2	7.394	6.388	152.2E6	96524572	537.742	490.311
33)	L7 AR-1260-3	7.757	6.541	96307766	91961210	448.300	494.083
34)	L7 AR-1260-4	7.982	7.012	106.9E6	68028392	481.551	425.192
35)	L7 AR-1260-5	8.298	7.253	175.6E6	168.2E6	460.278	428.270

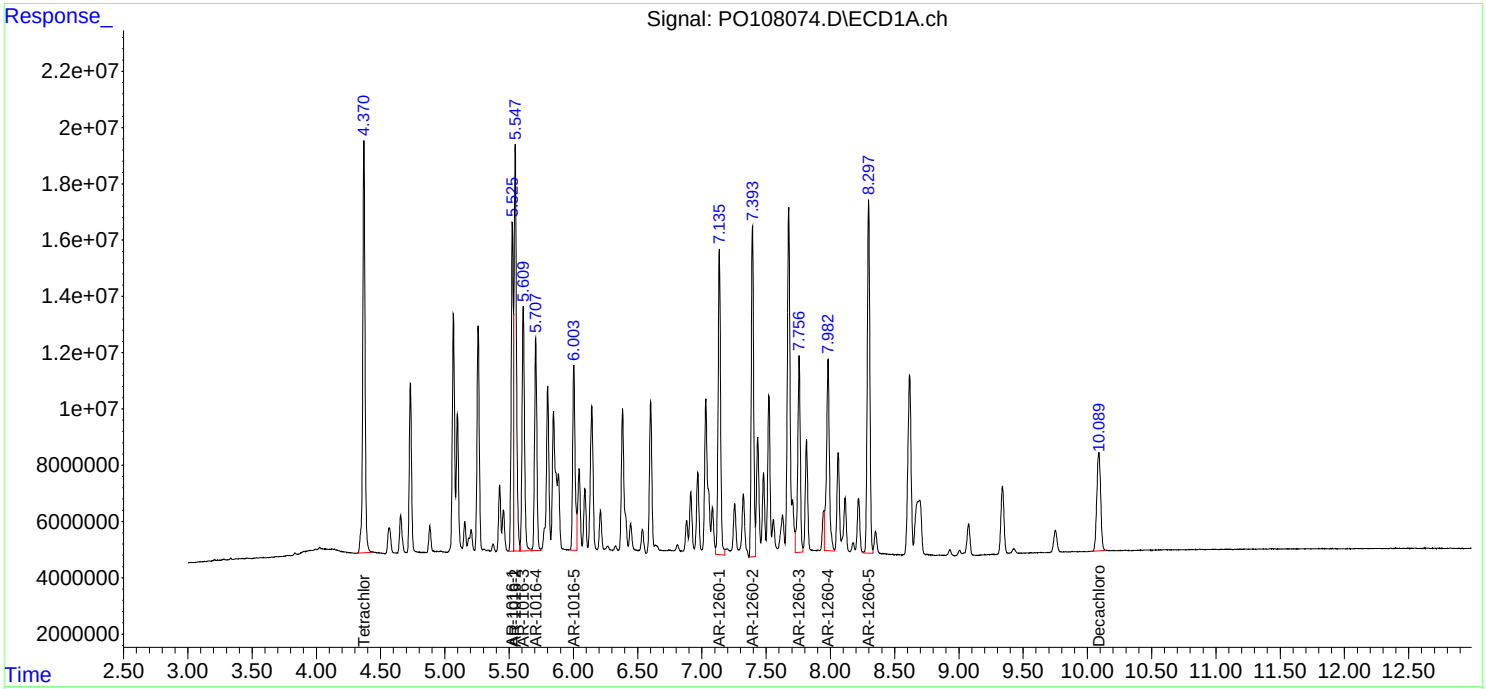
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

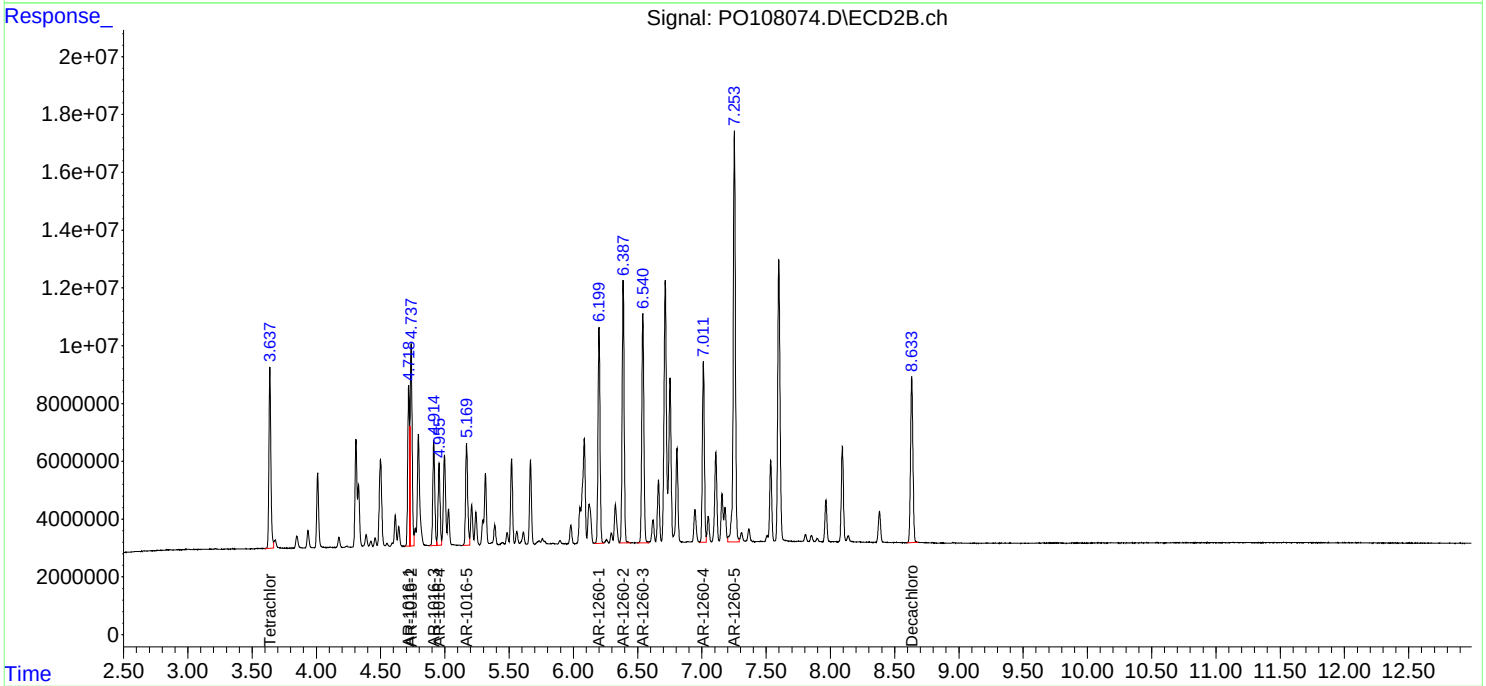
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108074.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 01:20
Operator : YP/AJ
Sample : PB165043BS
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB165043BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:47:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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





Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108076.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 01:54
Operator : YP/AJ
Sample : P4860-01MS
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
DUP-01MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:47:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.371	3.638	178.9E6	64620275	20.555m	19.060
2)	SA Decachlor...	10.093	8.634	67881347	68910441	22.226	20.258
	Target Compounds						
3)	L1 AR-1016-1	5.526	4.718	133.4E6	54330555	496.080	497.197
4)	L1 AR-1016-2	5.549	4.737	195.4E6	79034539	503.948	516.895
5)	L1 AR-1016-3	5.611	4.913	119.2E6	41653640	477.107	506.956
6)	L1 AR-1016-4	5.709	4.955	102.5E6	31682584	524.818	497.585
7)	L1 AR-1016-5	6.005	5.168	89223670	42660328	481.171	492.064
31)	L7 AR-1260-1	7.138	6.200	141.3E6	81718096	514.860	504.617
32)	L7 AR-1260-2	7.396	6.387	151.6E6	97860893	535.588	497.099
33)	L7 AR-1260-3	7.759	6.540	96912521	93394778	451.115	501.785
34)	L7 AR-1260-4	7.985	7.012	112.3E6	72642960	505.950	454.034
35)	L7 AR-1260-5	8.300	7.253	189.4E6	176.3E6	496.474	448.920

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

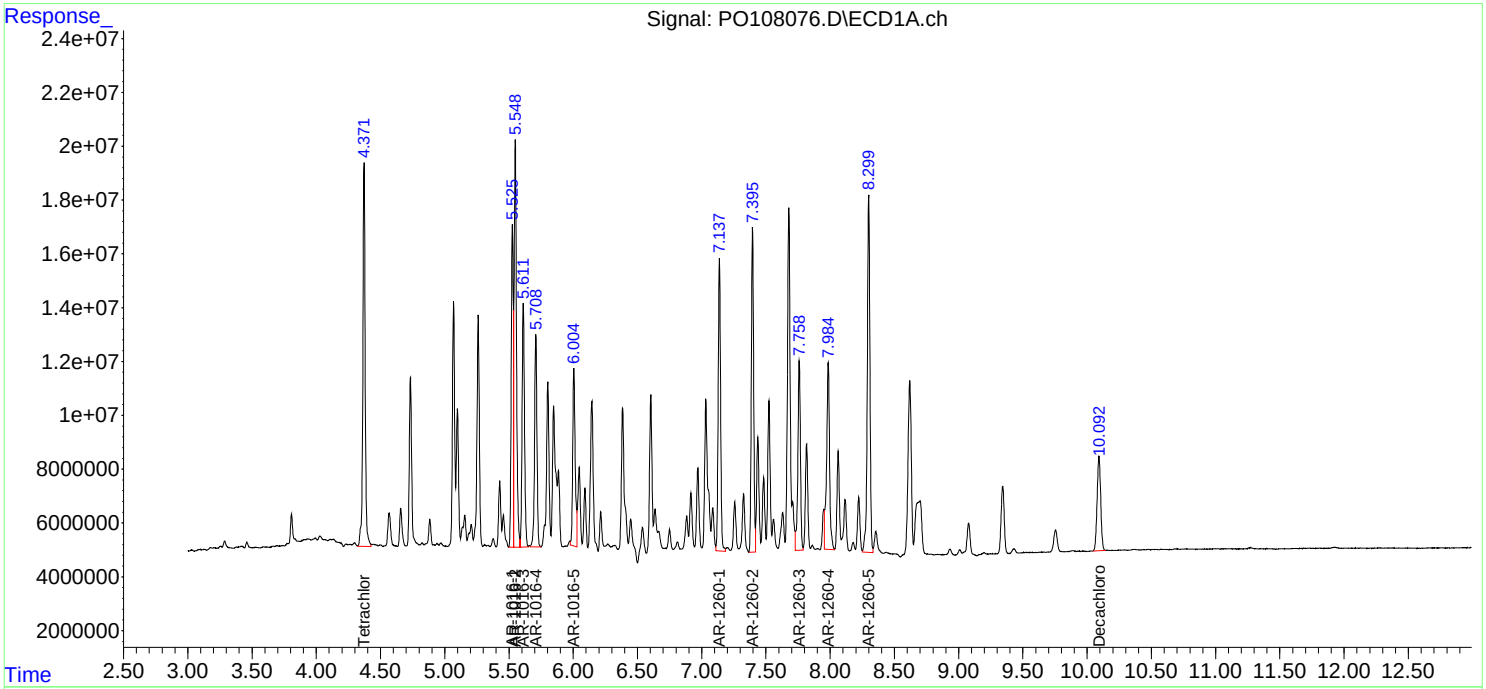
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108076.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 01:54
Operator : YP/AJ
Sample : P4860-01MS
Misc :
ALS Vial : 39 Sample Multiplier: 1

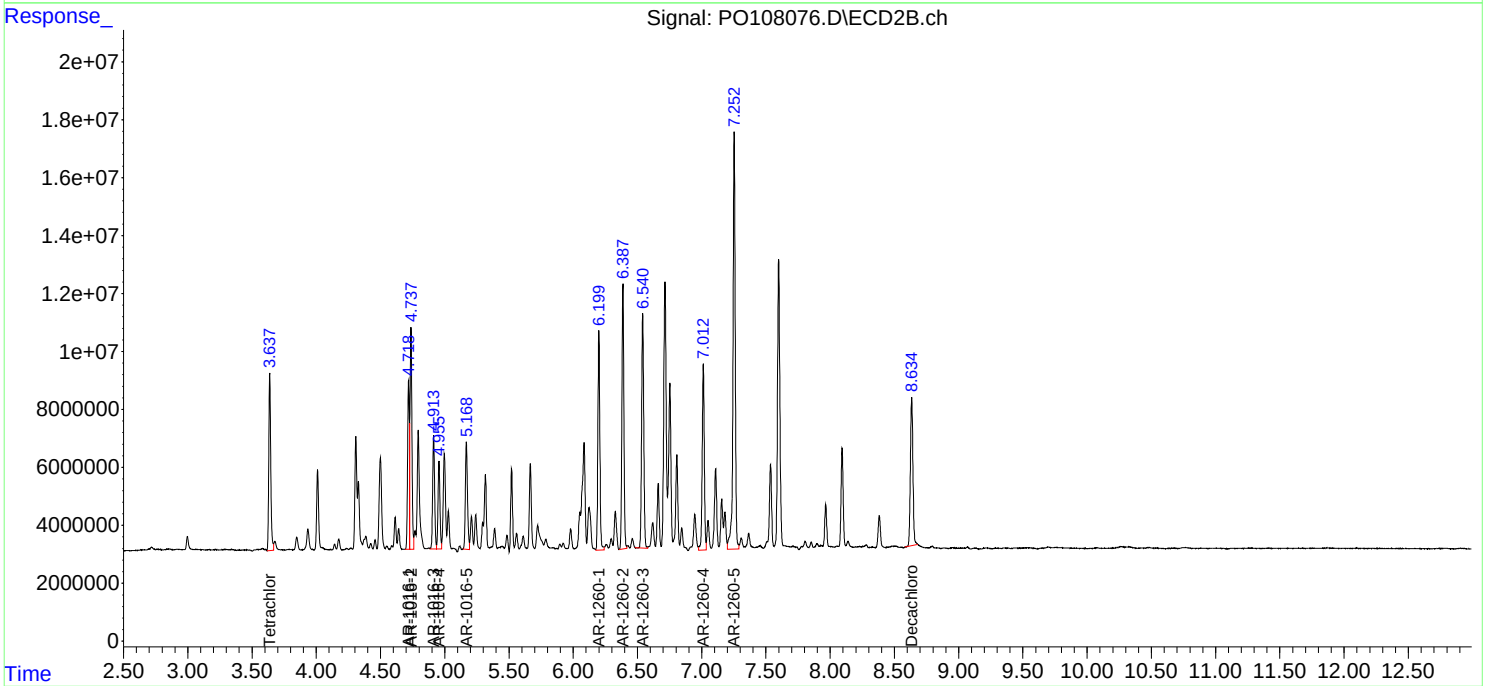
Instrument :
ECD_O
ClientSampleId :
DUP-01MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:47:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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\PO111824\
Data File : PO108077.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 02:10
Operator : YP/AJ
Sample : P4860-01MSD
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
DUP-01MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:48:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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...	4.369	3.638	178.3E6	64980234	20.475m	19.166
2)	SA Decachlor...	10.090	8.632	67735608	68365083	22.178	20.097
	Target Compounds						
3)	L1 AR-1016-1	5.524	4.719	134.7E6	54748377	500.876	501.020
4)	L1 AR-1016-2	5.547	4.738	193.9E6	79046901	500.110	516.976
5)	L1 AR-1016-3	5.609	4.913	119.1E6	42438323	476.607	516.506
6)	L1 AR-1016-4	5.707	4.955	101.7E6	32250189	520.746	506.499
7)	L1 AR-1016-5	6.004	5.168	88751786	42742121	478.626	493.007
31)	L7 AR-1260-1	7.136	6.199	139.0E6	81347778	506.372	502.330
32)	L7 AR-1260-2	7.394	6.387	154.8E6	97963057	547.039	497.618
33)	L7 AR-1260-3	7.756	6.540	96427696	93461978	448.858	502.146
34)	L7 AR-1260-4	7.982	7.011	112.4E6	72222582	506.109	451.406
35)	L7 AR-1260-5	8.297	7.252	187.3E6	174.9E6	490.942	445.456

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

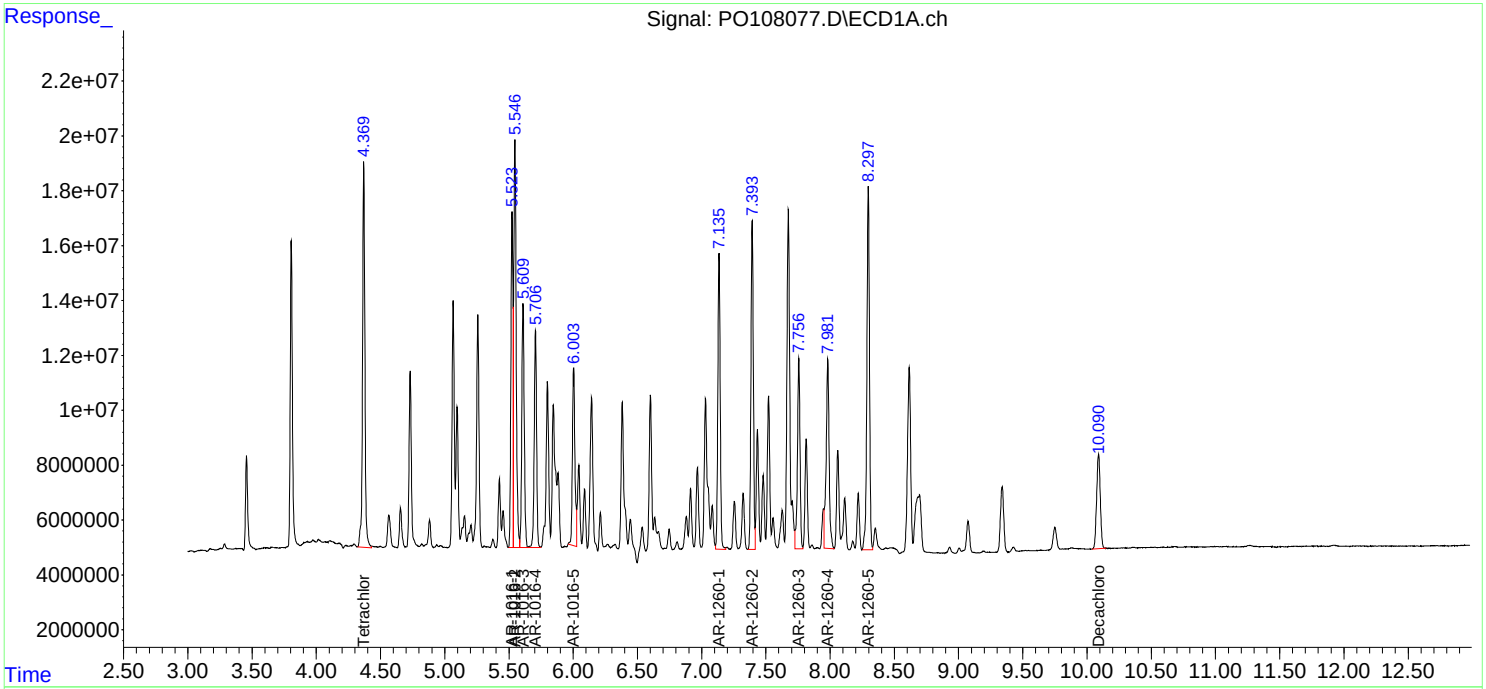
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO111824\
Data File : PO108077.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Nov 2024 02:10
Operator : YP/AJ
Sample : P4860-01MSD
Misc :
ALS Vial : 40 Sample Multiplier: 1

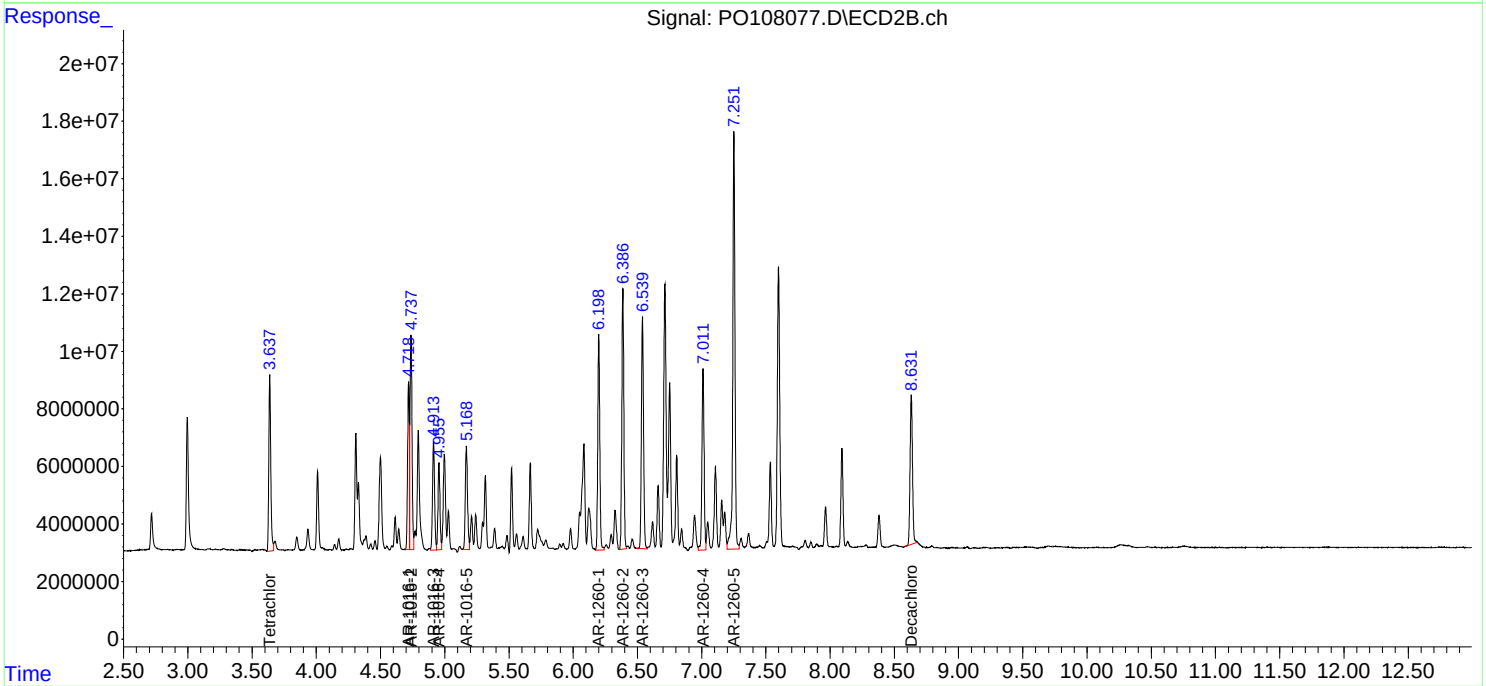
Instrument :
ECD_O
ClientSampleId :
DUP-01MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 19 03:48:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO111824.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Nov 19 03:13:56 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:	PO111824	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO108042.D	AR-1260-1	yogesh	11/19/2024 9:13:44 AM	Ankita	11/19/2024 11:25:21	Peak Integrated by Software
AR1660ICC050	PO108042.D	AR-1260-1 #2	yogesh	11/19/2024 9:13:44 AM	Ankita	11/19/2024 11:25:21	Peak Integrated by Software
AR1660ICC050	PO108042.D	AR-1260-2	yogesh	11/19/2024 9:13:44 AM	Ankita	11/19/2024 11:25:21	Peak Integrated by Software
AR1660ICC050	PO108042.D	AR-1260-2 #2	yogesh	11/19/2024 9:13:44 AM	Ankita	11/19/2024 11:25:21	Peak Integrated by Software
AR1660ICC050	PO108042.D	AR-1260-3	yogesh	11/19/2024 9:13:44 AM	Ankita	11/19/2024 11:25:21	Peak Integrated by Software
AR1242ICC050	PO108049.D	AR-1242-5	yogesh	11/19/2024 9:13:45 AM	Ankita	11/19/2024 11:25:23	Peak Integrated by Software
AR1242ICC050	PO108049.D	AR-1242-5 #2	yogesh	11/19/2024 9:13:45 AM	Ankita	11/19/2024 11:25:23	Peak Integrated by Software
AR1248ICC050	PO108054.D	AR-1248-4	yogesh	11/19/2024 9:13:47 AM	Ankita	11/19/2024 11:25:25	Peak Integrated by Software
AR1248ICC050	PO108054.D	AR-1248-5	yogesh	11/19/2024 9:13:47 AM	Ankita	11/19/2024 11:25:25	Peak Integrated by Software
AR1248ICC050	PO108054.D	AR-1248-5 #2	yogesh	11/19/2024 9:13:47 AM	Ankita	11/19/2024 11:25:25	Peak Integrated by Software
AR1254ICC050	PO108059.D	AR-1254-3	yogesh	11/19/2024 9:13:49 AM	Ankita	11/19/2024 11:25:26	Peak Integrated by Software
AR1254ICC050	PO108059.D	AR-1254-4	yogesh	11/19/2024 9:13:49 AM	Ankita	11/19/2024 11:25:26	Peak Integrated by Software
AR1254ICC050	PO108059.D	AR-1254-4 #2	yogesh	11/19/2024 9:13:49 AM	Ankita	11/19/2024 11:25:26	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO111824	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PO108059.D	AR-1254-5	yogesh	11/19/2024 9:13:49 AM	Ankita	11/19/2024 11:25:26	Peak Integrated by Software
AR1268ICC750	PO108062.D	AR-1268-1	yogesh	11/19/2024 9:13:50 AM	Ankita	11/19/2024 11:25:27	Peak Integrated by Software
AR1268ICC500	PO108063.D	AR-1268-1	yogesh	11/19/2024 9:13:52 AM	Ankita	11/19/2024 11:25:29	Peak Integrated by Software
AR1268ICV500	PO108070.D	AR-1268-1	yogesh	11/19/2024 9:13:54 AM	Ankita	11/19/2024 11:25:30	Peak Integrated by Software
P4860-01	PO108075.D	Tetrachloro-m-xylene	yogesh	11/19/2024 9:13:55 AM	Ankita	11/19/2024 11:25:32	Peak Integrated by Software
P4860-01MS	PO108076.D	Tetrachloro-m-xylene	yogesh	11/19/2024 9:13:57 AM	Ankita	11/19/2024 11:25:34	Peak Integrated by Software
P4860-01MSD	PO108077.D	Tetrachloro-m-xylene	yogesh	11/19/2024 9:13:59 AM	Ankita	11/19/2024 11:25:36	Peak Integrated by Software
P4860-02	PO108078.D	Tetrachloro-m-xylene	yogesh	11/19/2024 9:14:00 AM	Ankita	11/19/2024 11:25:37	Peak Integrated by Software
P4860-03	PO108079.D	Tetrachloro-m-xylene	yogesh	11/19/2024 9:14:02 AM	Ankita	11/19/2024 11:25:39	Peak Integrated by Software

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 # PO111824

Review By	yogesh	Review On	11/19/2024 9:14:18 AM		
Supervise By	Ankita	Supervise On	11/19/2024 11:25:53 AM		
SubDirectory	PO111824	HP Acquire Method		HP Processing Method	PO111824

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	PO108034.D	18 Nov 2024 09:01	YP/AJ	Ok
2	AR1660CCC500	PO108035.D	18 Nov 2024 10:59	YP/AJ	Not Ok
3	HEXANE	PO108036.D	18 Nov 2024 15:00	YP/AJ	Ok
4	I.BLK	PO108037.D	18 Nov 2024 15:16	YP/AJ	Ok
5	AR1660ICC1000	PO108038.D	18 Nov 2024 15:32	YP/AJ	Ok
6	AR1660ICC750	PO108039.D	18 Nov 2024 15:48	YP/AJ	Ok
7	AR1660ICC500	PO108040.D	18 Nov 2024 16:05	YP/AJ	Ok
8	AR1660ICC250	PO108041.D	18 Nov 2024 16:21	YP/AJ	Ok
9	AR1660ICC050	PO108042.D	18 Nov 2024 16:37	YP/AJ	Ok,M
10	AR1221ICC500	PO108043.D	18 Nov 2024 16:53	YP/AJ	Ok
11	AR1232ICC500	PO108044.D	18 Nov 2024 17:09	YP/AJ	Ok
12	AR1242ICC1000	PO108045.D	18 Nov 2024 17:25	YP/AJ	Ok
13	AR1242ICC750	PO108046.D	18 Nov 2024 17:42	YP/AJ	Ok
14	AR1242ICC500	PO108047.D	18 Nov 2024 17:58	YP/AJ	Ok
15	AR1242ICC250	PO108048.D	18 Nov 2024 18:14	YP/AJ	Ok
16	AR1242ICC050	PO108049.D	18 Nov 2024 18:30	YP/AJ	Ok,M
17	AR1248ICC1000	PO108050.D	18 Nov 2024 18:47	YP/AJ	Ok
18	AR1248ICC750	PO108051.D	18 Nov 2024 19:03	YP/AJ	Ok
19	AR1248ICC500	PO108052.D	18 Nov 2024 19:19	YP/AJ	Ok
20	AR1248ICC250	PO108053.D	18 Nov 2024 19:35	YP/AJ	Ok
21	AR1248ICC050	PO108054.D	18 Nov 2024 19:51	YP/AJ	Ok,M

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 # PO111824

Review By	yogesh	Review On	11/19/2024 9:14:18 AM		
Supervise By	Ankita	Supervise On	11/19/2024 11:25:53 AM		
SubDirectory	PO111824	HP Acquire Method		HP Processing Method	PO111824

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	AR1254ICC1000	PO108055.D	18 Nov 2024 20:07	YP/AJ	Ok
23	AR1254ICC750	PO108056.D	18 Nov 2024 20:24	YP/AJ	Ok
24	AR1254ICC500	PO108057.D	18 Nov 2024 20:40	YP/AJ	Ok
25	AR1254ICC250	PO108058.D	18 Nov 2024 20:56	YP/AJ	Ok
26	AR1254ICC050	PO108059.D	18 Nov 2024 21:12	YP/AJ	Ok,M
27	AR1262ICC500	PO108060.D	18 Nov 2024 21:28	YP/AJ	Ok
28	AR1268ICC1000	PO108061.D	18 Nov 2024 21:45	YP/AJ	Ok
29	AR1268ICC750	PO108062.D	18 Nov 2024 22:02	YP/AJ	Ok,M
30	AR1268ICC500	PO108063.D	18 Nov 2024 22:19	YP/AJ	Ok,M
31	AR1268ICC250	PO108064.D	18 Nov 2024 22:35	YP/AJ	Ok
32	AR1268ICC050	PO108065.D	18 Nov 2024 22:51	YP/AJ	Ok
33	PO111824ICV500	PO108066.D	18 Nov 2024 23:08	YP/AJ	Ok
34	AR1242ICV500	PO108067.D	18 Nov 2024 23:24	YP/AJ	Ok
35	AR1248ICV500	PO108068.D	18 Nov 2024 23:41	YP/AJ	Ok
36	AR1254ICV500	PO108069.D	18 Nov 2024 23:58	YP/AJ	Ok
37	AR1268ICV500	PO108070.D	19 Nov 2024 00:14	YP/AJ	Ok,M
38	AR1660CCC500	PO108071.D	19 Nov 2024 00:31	YP/AJ	Ok
39	I.BLK	PO108072.D	19 Nov 2024 00:48	YP/AJ	Ok
40	PB165043BL	PO108073.D	19 Nov 2024 01:04	YP/AJ	Ok
41	PB165043BS	PO108074.D	19 Nov 2024 01:20	YP/AJ	Ok
42	P4860-01	PO108075.D	19 Nov 2024 01:37	YP/AJ	Ok,M
43	P4860-01MS	PO108076.D	19 Nov 2024 01:54	YP/AJ	Ok,M
44	P4860-01MSD	PO108077.D	19 Nov 2024 02:10	YP/AJ	Ok,M

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 # PO111824

Review By	yogesh	Review On	11/19/2024 9:14:18 AM		
Supervise By	Ankita	Supervise On	11/19/2024 11:25:53 AM		
SubDirectory	PO111824	HP Acquire Method		HP Processing Method	PO111824

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	P4860-02	PO108078.D	19 Nov 2024 02:26	YP/AJ	Ok,M
46	P4860-03	PO108079.D	19 Nov 2024 02:42	YP/AJ	Ok,M
47	P4860-04	PO108080.D	19 Nov 2024 02:59	YP/AJ	Ok
48	P4860-05	PO108081.D	19 Nov 2024 03:16	YP/AJ	Ok
49	P4860-06	PO108082.D	19 Nov 2024 03:33	YP/AJ	Ok
50	P4860-07	PO108083.D	19 Nov 2024 03:49	YP/AJ	Ok
51	P4860-08	PO108084.D	19 Nov 2024 04:06	YP/AJ	Ok
52	P4860-09	PO108085.D	19 Nov 2024 04:23	YP/AJ	Ok
53	P4860-10	PO108086.D	19 Nov 2024 04:39	YP/AJ	Ok
54	AR1660CCC500	PO108087.D	19 Nov 2024 04:56	YP/AJ	Ok
55	I.BLK	PO108088.D	19 Nov 2024 05:12	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 # PO111824

Review By	yogesh	Review On	11/19/2024 9:14:18 AM		
Supervise By	Ankita	Supervise On	11/19/2024 11:25:53 AM		
SubDirectory	PO111824	HP Acquire Method		HP Processing Method	PO111824

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	PO108034.D	18 Nov 2024 09:01		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO108035.D	18 Nov 2024 10:59		YP/AJ	Not Ok
3	HEXANE	HEXANE	PO108036.D	18 Nov 2024 15:00		YP/AJ	Ok
4	I.BLK	I.BLK	PO108037.D	18 Nov 2024 15:16		YP/AJ	Ok
5	AR1660ICC1000	AR1660ICC1000	PO108038.D	18 Nov 2024 15:32		YP/AJ	Ok
6	AR1660ICC750	AR1660ICC750	PO108039.D	18 Nov 2024 15:48		YP/AJ	Ok
7	AR1660ICC500	AR1660ICC500	PO108040.D	18 Nov 2024 16:05		YP/AJ	Ok
8	AR1660ICC250	AR1660ICC250	PO108041.D	18 Nov 2024 16:21		YP/AJ	Ok
9	AR1660ICC050	AR1660ICC050	PO108042.D	18 Nov 2024 16:37		YP/AJ	Ok,M
10	AR1221ICC500	AR1221ICC500	PO108043.D	18 Nov 2024 16:53		YP/AJ	Ok
11	AR1232ICC500	AR1232ICC500	PO108044.D	18 Nov 2024 17:09		YP/AJ	Ok
12	AR1242ICC1000	AR1242ICC1000	PO108045.D	18 Nov 2024 17:25		YP/AJ	Ok
13	AR1242ICC750	AR1242ICC750	PO108046.D	18 Nov 2024 17:42		YP/AJ	Ok
14	AR1242ICC500	AR1242ICC500	PO108047.D	18 Nov 2024 17:58		YP/AJ	Ok
15	AR1242ICC250	AR1242ICC250	PO108048.D	18 Nov 2024 18:14		YP/AJ	Ok
16	AR1242ICC050	AR1242ICC050	PO108049.D	18 Nov 2024 18:30		YP/AJ	Ok,M
17	AR1248ICC1000	AR1248ICC1000	PO108050.D	18 Nov 2024 18:47		YP/AJ	Ok
18	AR1248ICC750	AR1248ICC750	PO108051.D	18 Nov 2024 19:03		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111824

Review By	yogesh	Review On	11/19/2024 9:14:18 AM		
Supervise By	Ankita	Supervise On	11/19/2024 11:25:53 AM		
SubDirectory	PO111824	HP Acquire Method		HP Processing Method	PO111824

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	AR1248ICC500	AR1248ICC500	PO108052.D	18 Nov 2024 19:19		YP/AJ	Ok
20	AR1248ICC250	AR1248ICC250	PO108053.D	18 Nov 2024 19:35		YP/AJ	Ok
21	AR1248ICC050	AR1248ICC050	PO108054.D	18 Nov 2024 19:51		YP/AJ	Ok,M
22	AR1254ICC1000	AR1254ICC1000	PO108055.D	18 Nov 2024 20:07		YP/AJ	Ok
23	AR1254ICC750	AR1254ICC750	PO108056.D	18 Nov 2024 20:24		YP/AJ	Ok
24	AR1254ICC500	AR1254ICC500	PO108057.D	18 Nov 2024 20:40		YP/AJ	Ok
25	AR1254ICC250	AR1254ICC250	PO108058.D	18 Nov 2024 20:56		YP/AJ	Ok
26	AR1254ICC050	AR1254ICC050	PO108059.D	18 Nov 2024 21:12		YP/AJ	Ok,M
27	AR1262ICC500	AR1262ICC500	PO108060.D	18 Nov 2024 21:28		YP/AJ	Ok
28	AR1268ICC1000	AR1268ICC1000	PO108061.D	18 Nov 2024 21:45		YP/AJ	Ok
29	AR1268ICC750	AR1268ICC750	PO108062.D	18 Nov 2024 22:02		YP/AJ	Ok,M
30	AR1268ICC500	AR1268ICC500	PO108063.D	18 Nov 2024 22:19		YP/AJ	Ok,M
31	AR1268ICC250	AR1268ICC250	PO108064.D	18 Nov 2024 22:35		YP/AJ	Ok
32	AR1268ICC050	AR1268ICC050	PO108065.D	18 Nov 2024 22:51		YP/AJ	Ok
33	PO111824ICV500	ICVPO111824	PO108066.D	18 Nov 2024 23:08		YP/AJ	Ok
34	AR1242ICV500	ICVPO111824AR1242	PO108067.D	18 Nov 2024 23:24		YP/AJ	Ok
35	AR1248ICV500	ICVPO111824AR1248	PO108068.D	18 Nov 2024 23:41		YP/AJ	Ok
36	AR1254ICV500	ICVPO111824AR1254	PO108069.D	18 Nov 2024 23:58		YP/AJ	Ok
37	AR1268ICV500	ICVPO111824AR1268	PO108070.D	19 Nov 2024 00:14		YP/AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO111824

Review By	yogesh	Review On	11/19/2024 9:14:18 AM		
Supervise By	Ankita	Supervise On	11/19/2024 11:25:53 AM		
SubDirectory	PO111824	HP Acquire Method		HP Processing Method	PO111824

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	AR1660CCC500	AR1660CCC500	PO108071.D	19 Nov 2024 00:31		YP/AJ	Ok
39	I.BLK	I.BLK	PO108072.D	19 Nov 2024 00:48		YP/AJ	Ok
40	PB165043BL	PB165043BL	PO108073.D	19 Nov 2024 01:04		YP/AJ	Ok
41	PB165043BS	PB165043BS	PO108074.D	19 Nov 2024 01:20		YP/AJ	Ok
42	P4860-01	DUP-01	PO108075.D	19 Nov 2024 01:37		YP/AJ	Ok,M
43	P4860-01MS	DUP-01MS	PO108076.D	19 Nov 2024 01:54		YP/AJ	Ok,M
44	P4860-01MSD	DUP-01MSD	PO108077.D	19 Nov 2024 02:10		YP/AJ	Ok,M
45	P4860-02	PH2-BOT-001	PO108078.D	19 Nov 2024 02:26		YP/AJ	Ok,M
46	P4860-03	PH2-BOT-002	PO108079.D	19 Nov 2024 02:42		YP/AJ	Ok,M
47	P4860-04	PH2-BOT-003	PO108080.D	19 Nov 2024 02:59		YP/AJ	Ok
48	P4860-05	PH2-BOT-004	PO108081.D	19 Nov 2024 03:16		YP/AJ	Ok
49	P4860-06	PH2-BOT-009	PO108082.D	19 Nov 2024 03:33		YP/AJ	Ok
50	P4860-07	PH2-BOT-008	PO108083.D	19 Nov 2024 03:49		YP/AJ	Ok
51	P4860-08	PH2-BOT-007	PO108084.D	19 Nov 2024 04:06		YP/AJ	Ok
52	P4860-09	PH2-BOT-006	PO108085.D	19 Nov 2024 04:23		YP/AJ	Ok
53	P4860-10	PH2-BOT-005	PO108086.D	19 Nov 2024 04:39		YP/AJ	Ok
54	AR1660CCC500	AR1660CCC500	PO108087.D	19 Nov 2024 04:56		YP/AJ	Ok
55	I.BLK	I.BLK	PO108088.D	19 Nov 2024 05:12		YP/AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB165043

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 : 11/18/2024

Extraction Start Time : 08:20

Extraction End Date : 11/18/2024

Extraction End Time : 11:20

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	PP23858
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	E3826
Baked Na2SO4	N/A	EP2562
H2SO4 1:1	N/A	EP2548
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. P 4890-06 Limited volume used as sample is Oily debries.

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
11/18/24	RP (Ext Lab)	AJ | GST PUD Lab
11:25	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165043

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 11/18/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165043BL	ABLK043	PCB	30.02	N/A	ritesh	Evelyn	10			U7-1
PB165043BS	ALCS043	PCB	30.01	N/A	ritesh	Evelyn	10			2
P4860-01	DUP-01	PCB	30.05	N/A	ritesh	Evelyn	10	E		3
P4860-01MS	DUP-01MS	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
P4860-01MSD	DUP-01MSD	PCB	30.02	N/A	ritesh	Evelyn	10	E		5
P4860-02	PH2-BPT-001	PCB	30.06	N/A	ritesh	Evelyn	10	E		6
P4860-03	PH2-BPT-002	PCB	30.08	N/A	ritesh	Evelyn	10	E		U1-1
P4860-04	PH2-BPT-003	PCB	30.10	N/A	ritesh	Evelyn	10	E		2
P4860-05	PH2-BPT-004	PCB	30.03	N/A	ritesh	Evelyn	10	E		3
P4860-06	PH2-BPT-009	PCB	30.07	N/A	ritesh	Evelyn	10	E		4
P4860-07	PH2-BPT-008	PCB	30.06	N/A	ritesh	Evelyn	10	E		5
P4860-08	PH2-BPT-007	PCB	30.01	N/A	ritesh	Evelyn	10	E		6
P4860-09	PH2-BPT-006	PCB	30.04	N/A	ritesh	Evelyn	10	E		U5-1
P4860-10	PH2-BPT-005	PCB	30.06	N/A	ritesh	Evelyn	10	E		2
P4869-01	EO-02-11152024	PCB	30.03	N/A	ritesh	Evelyn	10	E		3
P4887-01	MH-739	PCB	30.07	N/A	ritesh	Evelyn	10	D		4
P4887-05	MH-760	PCB	30.02	N/A	ritesh	Evelyn	10	D		5
P4889-01	VNJ-228	PCB	30.05	N/A	ritesh	Evelyn	10	E		6
P4889-03	#72-11978	PCB	30.09	N/A	ritesh	Evelyn	10	E		U6-1
P4889-05	#72-11930	PCB	30.04	N/A	ritesh	Evelyn	10	E		2
P4890-06	D3721	PCB	5.04	N/A	ritesh	Evelyn	10	E	Oily Debris	3

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

11/15/24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p4860p **WorkList ID :** 185507 **Department :** Extraction **Date :** 11-18-2024 08:11:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4860-01	DUP-01	Solid	PCB	Cool 4 deg C	CORN02	L41	11/14/2024	8082A
P4860-02	PH2-BPT-001	Solid	PCB	Cool 4 deg C	CORN02	L41	11/14/2024	8082A
P4860-03	PH2-BPT-002	Solid	PCB	Cool 4 deg C	CORN02	L41	11/14/2024	8082A
P4860-04	PH2-BPT-003	Solid	PCB	Cool 4 deg C	CORN02	L41	11/14/2024	8082A
P4860-05	PH2-BPT-004	Solid	PCB	Cool 4 deg C	CORN02	L41	11/14/2024	8082A
P4860-06	PH2-BPT-009	Solid	PCB	Cool 4 deg C	CORN02	L41	11/14/2024	8082A
P4860-07	PH2-BPT-008	Solid	PCB	Cool 4 deg C	CORN02	L41	11/14/2024	8082A
P4860-08	PH2-BPT-007	Solid	PCB	Cool 4 deg C	CORN02	L41	11/14/2024	8082A
P4860-09	PH2-BPT-006	Solid	PCB	Cool 4 deg C	CORN02	L41	11/14/2024	8082A
P4860-10	PH2-BPT-005	Solid	PCB	Cool 4 deg C	CORN02	L41	11/14/2024	8082A
P4869-01	EO-02-11152024	Solid	PCB	Cool 4 deg C	PSEG05	M11	11/15/2024	8082A
P4887-01	MH-739	Solid	PCB	Cool 4 deg C	PSEG03	M11	11/15/2024	8082A
P4887-05	MH-760	Solid	PCB	Cool 4 deg C	PSEG03	M11	11/15/2024	8082A
P4889-01	VNJ-228	Solid	PCB	Cool 4 deg C	PSEG03	M11	11/15/2024	8082A
P4889-03	#72-11978	Solid	PCB	Cool 4 deg C	PSEG03	M11	11/15/2024	8082A
P4889-05	#72-11930	Solid	PCB	Cool 4 deg C	PSEG03	M11	11/15/2024	8082A
P4890-06	D3721	Solid	PCB	Cool 4 deg C	PSEG03	M11	11/15/2024	8082A

915 of 1443

Date/Time 11/18/24 8:15
Raw Sample Received by: RJ (Exp Log)
Raw Sample Relinquished by:

Date/Time 11/18/24 8:45
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Lyr Log)

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

LAB CHRONICLE

OrderID:	P4860	**OrderDate:**	11/14/2024 1:36:41 PM
Client:	Tetra Tech	**Project:**	Ocean County Landfill 2024
Contact:	John Giuliano	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4860-01	**DUP-01**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
P4860-02	**PH2-BOT-001**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
P4860-03	**PH2-BOT-002**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
P4860-04	**PH2-BOT-003**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
P4860-05	**PH2-BOT-004**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
P4860-06	**PH2-BOT-009**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
P4860-07	**PH2-BOT-008**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
P4860-08	**PH2-BOT-007**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
P4860-09	**PH2-BOT-006**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
P4860-10	**PH2-BOT-005**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	

SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/16/24 09:30	11/19/24 13:12	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.39	U	1	0.39	1.03	mg/kg	FG014868.D
Aliphatic C12-C16	Aliphatic C12-C16	0.30	J	1	0.25	0.69	mg/kg	FG014868.D
Aliphatic C16-C21	Aliphatic C16-C21	0.37	J	1	0.31	1.03	mg/kg	FG014868.D
Aliphatic C21-C28	Aliphatic C21-C28	0.82	U	1	0.82	1.37	mg/kg	FG014868.D
Aliphatic C28-C40	Aliphatic C28-C40	1.89	J	1	1.85	2.06	mg/kg	FG014868.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.69	mg/kg	FD048760.D
Aromatic C12-C16	Aromatic C12-C16	0.41	J	1	0.35	1.03	mg/kg	FD048760.D
Aromatic C16-C21	Aromatic C16-C21	1.28	J	1	0.99	1.72	mg/kg	FD048760.D
Aromatic C21-C36	Aromatic C21-C36	2.31	J	1	2.06	2.75	mg/kg	FD048760.D
Total AliphaticEPH	Total AliphaticEPH	3.62	U		3.62	6.18	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.00	J		3.71	6.19	mg/kg	
Total EPH	Total EPH	7.33	U		7.33	12.4	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014868.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.39	U	0.39	1.03	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.30	J	0.25	0.69	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.37	J	0.31	1.03	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.82	U	0.82	1.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.89	J	1.85	2.06	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.2		40 - 140	68%	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:	P4860-01	Acq On:	19 Nov 2024 13:12
Client Sample ID:	DUP-01	Operator:	YP\AJ
Data file:	FG014868.D	Misc:	
Instrument:	FID_G	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.218	6.839	502414	3.635	300	ug/ml
Aliphatic C12-C16	6.840	10.283	620460	4.427	200	ug/ml
Aliphatic C16-C21	10.284	13.654	716167	5.328	300	ug/ml
Aliphatic C21-C28	13.655	17.319	1204327	9.749	400	ug/ml
Aliphatic C28-C40	17.320	22.248	2862584	27.607	600	ug/ml
Aliphatic EPH	3.218	22.248	5905952	50.746		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	3804504	34.24		ug/ml
Aliphatic C9-C28	3.218	17.319	3043368	23.139	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048760.D	1	11/16/24	11/18/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	U	0.31	0.69	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.41	J	0.35	1.03	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.28	J	0.99	1.72	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.31	J	2.06	2.75	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.4		40 - 140	105%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	54.1		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-01	Acq On:	18 Nov 2024 10:38
Client Sample ID:	DUP-01	Operator:	YP/AJ
Data file:	FD048760.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	4.088	5.805	728652	3.795	200	ug/ml
Aromatic C12-C16	5.806	8.411	1136633	5.906	300	ug/ml
Aromatic C16-C21	8.412	12.674	3469775	18.674	500	ug/ml
Aromatic C21-C36	12.675	18.081	5289666	33.643	800	ug/ml
Aromatic EPH	4.088	18.081	10624726	62.017		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	9232725	52.44		ug/ml
2-Flurobiphenyl (SURR)	8.217	8.217	6235407	54.14		ug/ml
ortho-Terphenyl (SURR)	11.251	11.251	5492809	28.56		ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
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
11/16/24 09:30	11/19/24 13:43	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.39	U	1	0.39	1.03	mg/kg	FG014869.D
Aliphatic C12-C16	Aliphatic C12-C16	0.49	J	1	0.25	0.69	mg/kg	FG014869.D
Aliphatic C16-C21	Aliphatic C16-C21	3.72		1	0.31	1.03	mg/kg	FG014869.D
Aliphatic C21-C28	Aliphatic C21-C28	7.06		1	0.83	1.38	mg/kg	FG014869.D
Aliphatic C28-C40	Aliphatic C28-C40	7.02		1	1.86	2.06	mg/kg	FG014869.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.69	mg/kg	FD048761.D
Aromatic C12-C16	Aromatic C12-C16	2.82		1	0.35	1.03	mg/kg	FD048761.D
Aromatic C16-C21	Aromatic C16-C21	2.37		1	0.99	1.72	mg/kg	FD048761.D
Aromatic C21-C36	Aromatic C21-C36	5.82		1	2.06	2.75	mg/kg	FD048761.D
Total AliphaticEPH	Total AliphaticEPH	18.3			3.64	6.19	mg/kg	
Total AromaticEPH	Total AromaticEPH	11.0			3.71	6.19	mg/kg	
Total EPH	Total EPH	29.3			7.35	12.4	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
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
FG014869.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.39	U	0.39	1.03	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.49	J	0.25	0.69	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		3.72		0.31	1.03	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		7.06		0.83	1.38	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		7.02		1.86	2.06	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		42.4		40 - 140	85%	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:	P4860-02	Acq On:	19 Nov 2024 13:43
Client Sample ID:	PH2-BOT-001	Operator:	YP\AJ
Data file:	FG014869.D	Misc:	
Instrument:	FID_G	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.218	6.839	721592	5.221	300	ug/ml
Aliphatic C12-C16	6.840	10.283	998230	7.122	200	ug/ml
Aliphatic C16-C21	10.284	13.654	7270152	54.086	300	ug/ml
Aliphatic C21-C28	13.655	17.319	12682882	102.671	400	ug/ml
Aliphatic C28-C40	17.320	22.248	10576262	101.998	600	ug/ml
Aliphatic EPH	3.218	22.248	32249118	271.098		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.387	13.387	4711588	42.4		ug/ml
Aliphatic C9-C28	3.218	17.319	21672856	169.1	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
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
FD048761.D	1	11/16/24	11/18/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	U	0.31	0.69	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.82		0.35	1.03	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.37		0.99	1.72	mg/kg
Aromatic C21-C36	Aromatic C21-C36	5.82		2.06	2.75	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	57.4		40 - 140	115%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	58.9		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.6		40 - 140	67%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-02	Acq On:	18 Nov 2024 11:41
Client Sample ID:	PH2-BOT-001	Operator:	YP/AJ
Data file:	FD048761.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	4.088	5.805	734678	3.826	200	ug/ml
Aromatic C12-C16	5.806	8.411	7878386	40.935	300	ug/ml
Aromatic C16-C21	8.412	12.674	6407951	34.488	500	ug/ml
Aromatic C21-C36	12.675	18.081	13308598	84.644	800	ug/ml
Aromatic EPH	4.088	18.081	28329613	163.893		ug/ml
2-Bromonaphthalene (SURR)	7.366	7.366	10111530	57.43		ug/ml
2-Flurobiphenyl (SURR)	8.215	8.215	6778668	58.86		ug/ml
ortho-Terphenyl (SURR)	11.252	11.252	6471330	33.65		ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.6
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
11/16/24 09:30	11/19/24 0:53	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.39	U	1	0.39	1.03	mg/kg	FC067813.D
Aliphatic C12-C16	Aliphatic C12-C16	0.47	J	1	0.25	0.69	mg/kg	FC067813.D
Aliphatic C16-C21	Aliphatic C16-C21	0.96	J	1	0.31	1.03	mg/kg	FC067813.D
Aliphatic C21-C28	Aliphatic C21-C28	4.22		1	0.83	1.38	mg/kg	FC067813.D
Aliphatic C28-C40	Aliphatic C28-C40	6.76		1	1.86	2.07	mg/kg	FC067813.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.69	mg/kg	FD048772.D
Aromatic C12-C16	Aromatic C12-C16	3.52		1	0.35	1.03	mg/kg	FD048772.D
Aromatic C16-C21	Aromatic C16-C21	1.68	J	1	0.99	1.72	mg/kg	FD048772.D
Aromatic C21-C36	Aromatic C21-C36	4.83		1	2.07	2.76	mg/kg	FD048772.D
Total AliphaticEPH	Total AliphaticEPH	12.4			3.64	6.20	mg/kg	
Total AromaticEPH	Total AromaticEPH	10.0			3.73	6.20	mg/kg	
Total EPH	Total EPH	22.4			7.36	12.4	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.6
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
FC067813.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.39	U	0.39	1.03	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.47	J	0.25	0.69	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.96	J	0.31	1.03	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		4.22		0.83	1.38	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		6.76		1.86	2.07	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.2		40 - 140	76%	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:	P4860-03	Acq On:	19 Nov 2024 00:53
Client Sample ID:	PH2-BOT-002	Operator:	YP/AJ
Data file:	FC067813.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	450422	2.717	300	ug/ml
Aliphatic C12-C16	6.449	9.838	1170792	6.871	200	ug/ml
Aliphatic C16-C21	9.839	13.196	2363878	13.936	300	ug/ml
Aliphatic C21-C28	13.197	16.850	9631908	61.24	400	ug/ml
Aliphatic C28-C40	16.851	21.691	11877843	98.074	600	ug/ml
Aliphatic EPH	3.172	21.691	25494843	182.839		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.929	12.929	5545169	38.2		ug/ml
Aliphatic C9-C28	3.172	16.850	13617000	84.764	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.6
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
FD048772.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	U	0.31	0.69	mg/kg
Aromatic C12-C16	Aromatic C12-C16	3.52		0.35	1.03	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.68	J	0.99	1.72	mg/kg
Aromatic C21-C36	Aromatic C21-C36	4.83		2.07	2.76	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.8		40 - 140	94%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	40.6		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.6		40 - 140	77%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-03	Acq On:	19 Nov 2024 00:53
Client Sample ID:	PH2-BOT-002	Operator:	YP/AJ
Data file:	FD048772.D	Misc:	
Instrument:	FID_D	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.088	5.805	769634	4.008	200	ug/ml
Aromatic C12-C16	5.806	8.411	9816182	51.004	300	ug/ml
Aromatic C16-C21	8.412	12.674	4525079	24.354	500	ug/ml
Aromatic C21-C36	12.675	18.081	11004983	69.992	800	ug/ml
Aromatic EPH	4.088	18.081	26115878	149.359		ug/ml
2-Bromonaphthalene (SURR)	7.366	7.366	8231045	46.75		ug/ml
2-Flurobiphenyl (SURR)	8.216	8.216	4676660	40.61		ug/ml
ortho-Terphenyl (SURR)	11.253	11.253	7416251	38.56		ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/16/24 09:30	11/19/24 2:45	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.39	U	1	0.39	1.02	mg/kg	FC067814.D
Aliphatic C12-C16	Aliphatic C12-C16	0.44	J	1	0.25	0.68	mg/kg	FC067814.D
Aliphatic C16-C21	Aliphatic C16-C21	0.37	J	1	0.31	1.02	mg/kg	FC067814.D
Aliphatic C21-C28	Aliphatic C21-C28	0.82	U	1	0.82	1.36	mg/kg	FC067814.D
Aliphatic C28-C40	Aliphatic C28-C40	6.53		1	1.83	2.04	mg/kg	FC067814.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.68	mg/kg	FD048773.D
Aromatic C12-C16	Aromatic C12-C16	0.48	J	1	0.35	1.02	mg/kg	FD048773.D
Aromatic C16-C21	Aromatic C16-C21	1.49	J	1	0.98	1.70	mg/kg	FD048773.D
Aromatic C21-C36	Aromatic C21-C36	2.19	J	1	2.04	2.72	mg/kg	FD048773.D
Total AliphaticEPH	Total AliphaticEPH	7.34			3.58	6.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.16	J		3.67	6.12	mg/kg	
Total EPH	Total EPH	11.5	J		7.26	12.2	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067814.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.39	U	0.39	1.02	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.44	J	0.25	0.68	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.37	J	0.31	1.02	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.82	U	0.82	1.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		6.53		1.83	2.04	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		28.9		40 - 140	58%	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:	P4860-04	Acq On:	19 Nov 2024 02:45
Client Sample ID:	PH2-BOT-003	Operator:	YP/AJ
Data file:	FC067814.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	564233	3.403	300	ug/ml
Aliphatic C12-C16	6.449	9.838	1105695	6.489	200	ug/ml
Aliphatic C16-C21	9.839	13.196	912978	5.382	300	ug/ml
Aliphatic C21-C28	13.197	16.850	1409377	8.961	400	ug/ml
Aliphatic C28-C40	16.851	21.691	11642285	96.129	600	ug/ml
Aliphatic EPH	3.172	21.691	15634568	120.365		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	4193020	28.89		ug/ml
Aliphatic C9-C28	3.172	16.850	3992283	24.235	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048773.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	U	0.31	0.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.48	J	0.35	1.02	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.49	J	0.98	1.70	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.19	J	2.04	2.72	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	49.0		40 - 140	98%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	49.3		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.0		40 - 140	44%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-04	Acq On:	19 Nov 2024 02:45
Client Sample ID:	PH2-BOT-003	Operator:	YP/AJ
Data file:	FD048773.D	Misc:	
Instrument:	FID_D	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.088	5.805	817925	4.26	200	ug/ml
Aromatic C12-C16	5.806	8.411	1348810	7.008	300	ug/ml
Aromatic C16-C21	8.412	12.674	4069702	21.903	500	ug/ml
Aromatic C21-C36	12.675	18.081	5077518	32.293	800	ug/ml
Aromatic EPH	4.088	18.081	11313955	65.464		ug/ml
2-Bromonaphthalene (SURR)	7.364	7.364	8633724	49.04		ug/ml
2-Flurobiphenyl (SURR)	8.214	8.214	5678166	49.3		ug/ml
ortho-Terphenyl (SURR)	11.248	11.248	4231467	22		ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/16/24 09:30	11/19/24 8:37	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.39	U	1	0.39	1.02	mg/kg	FC067816.D
Aliphatic C12-C16	Aliphatic C12-C16	0.35	J	1	0.24	0.68	mg/kg	FC067816.D
Aliphatic C16-C21	Aliphatic C16-C21	0.31	U	1	0.31	1.02	mg/kg	FC067816.D
Aliphatic C21-C28	Aliphatic C21-C28	0.81	U	1	0.81	1.36	mg/kg	FC067816.D
Aliphatic C28-C40	Aliphatic C28-C40	2.30		1	1.83	2.04	mg/kg	FC067816.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.68	mg/kg	FD048775.D
Aromatic C12-C16	Aromatic C12-C16	0.41	J	1	0.35	1.02	mg/kg	FD048775.D
Aromatic C16-C21	Aromatic C16-C21	3.63		1	0.98	1.70	mg/kg	FD048775.D
Aromatic C21-C36	Aromatic C21-C36	2.04	U	1	2.04	2.71	mg/kg	FD048775.D
Total AliphaticEPH	Total AliphaticEPH	3.58	U		3.58	6.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.04	J		3.67	6.11	mg/kg	
Total EPH	Total EPH	7.25	U		7.25	12.2	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067816.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.39	U	0.39	1.02	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.35	J	0.24	0.68	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.31	U	0.31	1.02	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.81	U	0.81	1.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.30		1.83	2.04	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		26.1		40 - 140	52%	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:	P4860-05	Acq On:	19 Nov 2024 08:37
Client Sample ID:	PH2-BOT-004	Operator:	YP/AJ
Data file:	FC067816.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	402363	2.427	300	ug/ml
Aliphatic C12-C16	6.449	9.838	875885	5.141	200	ug/ml
Aliphatic C16-C21	9.839	13.196	456323	2.69	300	ug/ml
Aliphatic C21-C28	13.197	16.850	534171	3.396	400	ug/ml
Aliphatic C28-C40	16.851	21.691	4105991	33.903	600	ug/ml
Aliphatic EPH	3.172	21.691	6374733	47.557		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.940	12.940	3785982	26.08		ug/ml
Aliphatic C9-C28	3.172	16.850	2268742	13.654	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech		Date Collected:	11/14/24	
Project:	Ocean County Landfill 2024		Date Received:	11/14/24	
Client Sample ID:	PH2-BOT-004		SDG No.:	P4860	
Lab Sample ID:	P4860-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	98.1	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048775.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		0.31	U	0.31	0.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16		0.41	J	0.35	1.02	mg/kg
Aromatic C16-C21	Aromatic C16-C21		3.63		0.98	1.70	mg/kg
Aromatic C21-C36	Aromatic C21-C36		2.04	U	2.04	2.71	mg/kg
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		58.1		40 - 140	116%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		56.0		40 - 140	112%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		32.3		40 - 140	64%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-05	Acq On:	19 Nov 2024 08:37
Client Sample ID:	PH2-BOT-004	Operator:	YP/AJ
Data file:	FD048775.D	Misc:	
Instrument:	FID_D	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.088	5.805	701194	3.652	200	ug/ml
Aromatic C12-C16	5.806	8.411	1175464	6.108	300	ug/ml
Aromatic C16-C21	8.412	12.674	9948235	53.541	500	ug/ml
Aromatic C21-C36	12.675	18.081	4683341	29.786	800	ug/ml
Aromatic EPH	4.088	18.081	16508234	93.087		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	10224205	58.07		ug/ml
2-Flurobiphenyl (SURR)	8.216	8.216	6451850	56.02		ug/ml
ortho-Terphenyl (SURR)	11.251	11.251	6203268	32.25		ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/16/24 09:30	11/19/24 7:59	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.39	U	1	0.39	1.02	mg/kg	FC067815.D
Aliphatic C12-C16	Aliphatic C12-C16	0.47	J	1	0.24	0.68	mg/kg	FC067815.D
Aliphatic C16-C21	Aliphatic C16-C21	0.32	J	1	0.31	1.02	mg/kg	FC067815.D
Aliphatic C21-C28	Aliphatic C21-C28	0.81	U	1	0.81	1.35	mg/kg	FC067815.D
Aliphatic C28-C40	Aliphatic C28-C40	6.73		1	1.83	2.03	mg/kg	FC067815.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.68	mg/kg	FD048774.D
Aromatic C12-C16	Aromatic C12-C16	3.33		1	0.35	1.02	mg/kg	FD048774.D
Aromatic C16-C21	Aromatic C16-C21	1.81		1	0.98	1.69	mg/kg	FD048774.D
Aromatic C21-C36	Aromatic C21-C36	2.37	J	1	2.03	2.71	mg/kg	FD048774.D
Total AliphaticEPH	Total AliphaticEPH	7.52			3.58	6.10	mg/kg	
Total AromaticEPH	Total AromaticEPH	7.51			3.65	6.10	mg/kg	
Total EPH	Total EPH	15.0			7.23	12.2	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067815.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.39	U	0.39	1.02	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.47	J	0.24	0.68	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.32	J	0.31	1.02	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.81	U	0.81	1.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		6.73		1.83	2.03	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		27.3		40 - 140	55%	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:	P4860-06	Acq On:	19 Nov 2024 07:59
Client Sample ID:	PH2-BOT-009	Operator:	YP/AJ
Data file:	FC067815.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	459734	2.773	300	ug/ml
Aliphatic C12-C16	6.449	9.838	1191173	6.991	200	ug/ml
Aliphatic C16-C21	9.839	13.196	799488	4.713	300	ug/ml
Aliphatic C21-C28	13.197	16.850	681824	4.335	400	ug/ml
Aliphatic C28-C40	16.851	21.691	12031680	99.344	600	ug/ml
Aliphatic EPH	3.172	21.691	15163899	118.156		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.941	12.941	3966575	27.33		ug/ml
Aliphatic C9-C28	3.172	16.850	3132219	18.812	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98.3
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048774.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	U	0.31	0.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16	3.33		0.35	1.02	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.81		0.98	1.69	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.37	J	2.03	2.71	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	45.2		40 - 140	90%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	43.6		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.7		40 - 140	55%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-06	Acq On:	19 Nov 2024 07:59
Client Sample ID:	PH2-BOT-009	Operator:	YP/AJ
Data file:	FD048774.D	Misc:	
Instrument:	FID_D	ALS Vial:	75
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.088	5.805	581029	3.026	200	ug/ml
Aromatic C12-C16	5.806	8.411	9459202	49.149	300	ug/ml
Aromatic C16-C21	8.412	12.674	4976646	26.784	500	ug/ml
Aromatic C21-C36	12.675	18.081	5510457	35.047	800	ug/ml
Aromatic EPH	4.088	18.081	20527334	114.006		ug/ml
ortho-Terphenyl (SURR)	11.250	11.250	5331881	27.72		ug/ml
2-Bromonaphthalene (SURR)	7.363	7.363	7952476	45.17		ug/ml
2-Flurobiphenyl (SURR)	8.213	8.213	5023359	43.62		ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
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
11/16/24 09:30	11/19/24 11:19	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.39	U	1	0.39	1.03	mg/kg	FG014864.D
Aliphatic C12-C16	Aliphatic C12-C16	0.25	U	1	0.25	0.69	mg/kg	FG014864.D
Aliphatic C16-C21	Aliphatic C16-C21	0.31	U	1	0.31	1.03	mg/kg	FG014864.D
Aliphatic C21-C28	Aliphatic C21-C28	0.83	U	1	0.83	1.38	mg/kg	FG014864.D
Aliphatic C28-C40	Aliphatic C28-C40	1.86	U	1	1.86	2.07	mg/kg	FG014864.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.69	mg/kg	FF015095.D
Aromatic C12-C16	Aromatic C12-C16	0.35	U	1	0.35	1.03	mg/kg	FF015095.D
Aromatic C16-C21	Aromatic C16-C21	1.01	J	1	0.99	1.72	mg/kg	FF015095.D
Aromatic C21-C36	Aromatic C21-C36	2.07	U	1	2.07	2.75	mg/kg	FF015095.D
Total AliphaticEPH	Total AliphaticEPH	3.64	U		3.64	6.20	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.72	U		3.72	6.19	mg/kg	
Total EPH	Total EPH	7.36	U		7.36	12.4	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
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
FG014864.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.39	U	0.39	1.03	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.25	U	0.25	0.69	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.31	U	0.31	1.03	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.83	U	0.83	1.38	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.86	U	1.86	2.07	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.7		40 - 140	81%	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:	P4860-07	Acq On:	19 Nov 2024 11:19
Client Sample ID:	PH2-BOT-008	Operator:	YP\AJ
Data file:	FG014864.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.218	6.839	42066	0.304	300	ug/ml
Aliphatic C12-C16	6.840	10.283	406458	2.9	200	ug/ml
Aliphatic C16-C21	10.284	13.654	55291	0.411	300	ug/ml
Aliphatic C21-C28	13.655	17.319	0	0	400	ug/ml
Aliphatic C28-C40	17.320	22.248	0	0	600	ug/ml
Aliphatic EPH	3.218	22.248	503815	3.616		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.386	13.386	4521780	40.69		ug/ml
Aliphatic C9-C28	3.218	17.319	503815	3.615	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
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
FF015095.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	U	0.31	0.69	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.35	U	0.35	1.03	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.01	J	0.99	1.72	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.07	U	2.07	2.75	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.8		40 - 140	102%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	45.3		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.8		40 - 140	80%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-07	Acq On:	19 Nov 2024 11:19
Client Sample ID:	PH2-BOT-008	Operator:	YP\AJ
Data file:	FF015095.D	Misc:	
Instrument:	FID_F	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.362	237213	1.734	200	ug/ml
Aromatic C12-C16	6.363	9.056	191428	1.418	300	ug/ml
Aromatic C16-C21	9.057	13.369	1870575	14.626	500	ug/ml
Aromatic C21-C36	13.370	18.810	3021202	24.79	800	ug/ml
Aromatic EPH	4.496	18.810	5320418	42.568		ug/ml
2-Bromonaphthalene (SURR)	7.987	7.987	6201091	50.78		ug/ml
ortho-Terphenyl (SURR)	11.922	11.922	5342931	39.83		ug/ml
2-Flurobiphenyl (SURR)	8.861	8.861	3699822	45.32		ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/16/24 09:30	11/19/24 11:47	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.39	U	1	0.39	1.02	mg/kg	FG014865.D
Aliphatic C12-C16	Aliphatic C12-C16	0.40	J	1	0.24	0.68	mg/kg	FG014865.D
Aliphatic C16-C21	Aliphatic C16-C21	0.31	U	1	0.31	1.02	mg/kg	FG014865.D
Aliphatic C21-C28	Aliphatic C21-C28	1.12	J	1	0.81	1.36	mg/kg	FG014865.D
Aliphatic C28-C40	Aliphatic C28-C40	2.77		1	1.83	2.04	mg/kg	FG014865.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.68	mg/kg	FF015096.D
Aromatic C12-C16	Aromatic C12-C16	0.35	U	1	0.35	1.02	mg/kg	FF015096.D
Aromatic C16-C21	Aromatic C16-C21	0.98	U	1	0.98	1.70	mg/kg	FF015096.D
Aromatic C21-C36	Aromatic C21-C36	2.04	U	1	2.04	2.71	mg/kg	FF015096.D
Total AliphaticEPH	Total AliphaticEPH	4.29	J		3.58	6.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.67	U		3.67	6.11	mg/kg	
Total EPH	Total EPH	7.25	U		7.25	12.2	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014865.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.39	U	0.39	1.02	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.40	J	0.24	0.68	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.31	U	0.31	1.02	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		1.12	J	0.81	1.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.77		1.83	2.04	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		31.6		40 - 140	63%	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:	P4860-08	Acq On:	19 Nov 2024 11:47
Client Sample ID:	PH2-BOT-007	Operator:	YP\AJ
Data file:	FG014865.D	Misc:	
Instrument:	FID_G	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.218	6.839	431207	3.12	300	ug/ml
Aliphatic C12-C16	6.840	10.283	817941	5.836	200	ug/ml
Aliphatic C16-C21	10.284	13.654	575829	4.284	300	ug/ml
Aliphatic C21-C28	13.655	17.319	2035304	16.476	400	ug/ml
Aliphatic C28-C40	17.320	22.248	4233534	40.829	600	ug/ml
Aliphatic EPH	3.218	22.248	8093815	70.544		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	3506832	31.56		ug/ml
Aliphatic C9-C28	3.218	17.319	3860281	29.716	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015096.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	U	0.31	0.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.35	U	0.35	1.02	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.98	U	0.98	1.70	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.04	U	2.04	2.71	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.9		40 - 140	104%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	48.6		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.5		40 - 140	49%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-08	Acq On:	19 Nov 2024 11:47
Client Sample ID:	PH2-BOT-007	Operator:	YP\AJ
Data file:	FF015096.D	Misc:	
Instrument:	FID_F	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.362	173154	1.266	200	ug/ml
Aromatic C12-C16	6.363	9.056	86456	0.64	300	ug/ml
Aromatic C16-C21	9.057	13.369	1581781	12.368	500	ug/ml
Aromatic C21-C36	13.370	18.810	1301710	10.681	800	ug/ml
Aromatic EPH	4.496	18.810	3143101	24.955		ug/ml
2-Bromonaphthalene (SURR)	7.988	7.988	6337278	51.9		ug/ml
2-Flurobiphenyl (SURR)	8.861	8.861	3970343	48.63		ug/ml
ortho-Terphenyl (SURR)	11.921	11.921	3285749	24.49		ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.5
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
11/16/24 09:30	11/19/24 12:16	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.39	U	1	0.39	1.02	mg/kg	FG014866.D
Aliphatic C12-C16	Aliphatic C12-C16	0.25	U	1	0.25	0.68	mg/kg	FG014866.D
Aliphatic C16-C21	Aliphatic C16-C21	0.31	U	1	0.31	1.02	mg/kg	FG014866.D
Aliphatic C21-C28	Aliphatic C21-C28	0.82	U	1	0.82	1.37	mg/kg	FG014866.D
Aliphatic C28-C40	Aliphatic C28-C40	1.84	U	1	1.84	2.05	mg/kg	FG014866.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.68	mg/kg	FF015097.D
Aromatic C12-C16	Aromatic C12-C16	0.35	U	1	0.35	1.02	mg/kg	FF015097.D
Aromatic C16-C21	Aromatic C16-C21	1.03	J	1	0.98	1.71	mg/kg	FF015097.D
Aromatic C21-C36	Aromatic C21-C36	2.05	U	1	2.05	2.73	mg/kg	FF015097.D
Total AliphaticEPH	Total AliphaticEPH	3.60	U		3.60	6.14	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.69	U		3.69	6.14	mg/kg	
Total EPH	Total EPH	7.29	U		7.29	12.3	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.5
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
FG014866.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.39	U	0.39	1.02	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.25	U	0.25	0.68	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.31	U	0.31	1.02	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.82	U	0.82	1.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.84	U	1.84	2.05	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		34.7		40 - 140	69%	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:	P4860-09	Acq On:	19 Nov 2024 12:16
Client Sample ID:	PH2-BOT-006	Operator:	YP\AJ
Data file:	FG014866.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.218	6.839	99099	0.717	300	ug/ml
Aliphatic C12-C16	6.840	10.283	157371	1.123	200	ug/ml
Aliphatic C16-C21	10.284	13.654	107252	0.798	300	ug/ml
Aliphatic C21-C28	13.655	17.319	0	0	400	ug/ml
Aliphatic C28-C40	17.320	22.248	0	0	600	ug/ml
Aliphatic EPH	3.218	22.248	363722	2.638		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.385	13.385	3851647	34.66		ug/ml
Aliphatic C9-C28	3.218	17.319	363722	2.638	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.5
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
FF015097.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	U	0.31	0.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.35	U	0.35	1.02	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.03	J	0.98	1.71	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.05	U	2.05	2.73	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.8		40 - 140	104%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	50.2		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.7		40 - 140	57%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-09	Acq On:	19 Nov 2024 12:16
Client Sample ID:	PH2-BOT-006	Operator:	YP\AJ
Data file:	FF015097.D	Misc:	
Instrument:	FID_F	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.362	236885	1.732	200	ug/ml
Aromatic C12-C16	6.363	9.056	90814	0.673	300	ug/ml
Aromatic C16-C21	9.057	13.369	1919248	15.007	500	ug/ml
Aromatic C21-C36	13.370	18.810	897426	7.364	800	ug/ml
Aromatic EPH	4.496	18.810	3144373	24.775		ug/ml
2-Bromonaphthalene (SURR)	7.988	7.988	6327225	51.81		ug/ml
2-Flurobiphenyl (SURR)	8.861	8.861	4096157	50.17		ug/ml
ortho-Terphenyl (SURR)	11.922	11.922	3853118	28.72		ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.6
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
11/16/24 09:30	11/19/24 12:44	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.39	U	1	0.39	1.02	mg/kg	FG014867.D
Aliphatic C12-C16	Aliphatic C12-C16	0.47	J	1	0.25	0.68	mg/kg	FG014867.D
Aliphatic C16-C21	Aliphatic C16-C21	0.38	J	1	0.31	1.02	mg/kg	FG014867.D
Aliphatic C21-C28	Aliphatic C21-C28	1.11	J	1	0.82	1.36	mg/kg	FG014867.D
Aliphatic C28-C40	Aliphatic C28-C40	2.36		1	1.84	2.05	mg/kg	FG014867.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.68	mg/kg	FF015098.D
Aromatic C12-C16	Aromatic C12-C16	0.35	U	1	0.35	1.02	mg/kg	FF015098.D
Aromatic C16-C21	Aromatic C16-C21	1.07	J	1	0.98	1.70	mg/kg	FF015098.D
Aromatic C21-C36	Aromatic C21-C36	2.05	U	1	2.05	2.73	mg/kg	FF015098.D
Total AliphaticEPH	Total AliphaticEPH	4.32	J		3.60	6.13	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.69	U		3.69	6.13	mg/kg	
Total EPH	Total EPH	7.29	U		7.29	12.3	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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.6
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
FG014867.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.39	U	0.39	1.02	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.47	J	0.25	0.68	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.38	J	0.31	1.02	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		1.11	J	0.82	1.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.36		1.84	2.05	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		33.8		40 - 140	68%	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:	P4860-10	Acq On:	19 Nov 2024 12:44
Client Sample ID:	PH2-BOT-005	Operator:	YP\AJ
Data file:	FG014867.D	Misc:	
Instrument:	FID_G	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.218	6.839	473733	3.428	300	ug/ml
Aliphatic C12-C16	6.840	10.283	973736	6.947	200	ug/ml
Aliphatic C16-C21	10.284	13.654	748435	5.568	300	ug/ml
Aliphatic C21-C28	13.655	17.319	2004593	16.228	400	ug/ml
Aliphatic C28-C40	17.320	22.248	3594649	34.667	600	ug/ml
Aliphatic EPH	3.218	22.248	7795146	66.838		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.386	13.386	3755030	33.79		ug/ml
Aliphatic C9-C28	3.218	17.319	4200497	32.171	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.6
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
FF015098.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aromatic C10-C12	Aromatic C10-C12		0.31	U	0.31	0.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16		0.35	U	0.35	1.02	mg/kg
Aromatic C16-C21	Aromatic C16-C21		1.07	J	0.98	1.70	mg/kg
Aromatic C21-C36	Aromatic C21-C36		2.05	U	2.05	2.73	mg/kg
SURROGATES							
580-13-2	2-Bromonaphthalene (SURR)		52.4		40 - 140	105%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)		47.8		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		28.7		40 - 140	57%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-10	Acq On:	19 Nov 2024 12:44
Client Sample ID:	PH2-BOT-005	Operator:	YP\AJ
Data file:	FF015098.D	Misc:	
Instrument:	FID_F	ALS Vial:	75
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.362	232684	1.701	200	ug/ml
Aromatic C12-C16	6.363	9.056	159034	1.178	300	ug/ml
Aromatic C16-C21	9.057	13.369	2008438	15.704	500	ug/ml
Aromatic C21-C36	13.370	18.810	1475859	12.11	800	ug/ml
Aromatic EPH	4.496	18.810	3876015	30.693		ug/ml
2-Bromonaphthalene (SURR)	7.988	7.988	6398539	52.4		ug/ml
2-Flurobiphenyl (SURR)	8.861	8.861	3905320	47.84		ug/ml
ortho-Terphenyl (SURR)	11.922	11.922	3854256	28.73		ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM CASE No.: P4860 SAS No.: P4860 SDG No.: P4860

Run Number: FC111824AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
EX-4-TPH-6MS	78			0
EX-4-TPH-6MSD	77			0
PH2-BOT-002	76			0
PH2-BOT-003	58			0
PH2-BOT-004	52			0
PH2-BOT-009	55			0
PB165032BL	75			0
PB165032BS	65			0
PB165032BSD	64			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: CORN02

Lab Code: CHEM CASE No.: P4860 SAS No.: P4860 SDG No.: P4860

Run Number: FD111824AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
EX-4-TPH-6MS	102	101	78	0
EX-4-TPH-6MSD	102	101	77	0
DUP-01	105	108	57	0
PH2-BOT-001	115	118	67	0
PH2-BOT-002	94	81	77	0
PH2-BOT-003	98	99	44	0
PH2-BOT-004	116	112	64	0
PH2-BOT-009	90	87	55	0
PB165032BL	104	102	96	0
PB165032BS	92	84	79	0
PB165032BSD	94	85	80	0

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM CASE No.: P4860 SAS No.: P4860 SDG No.: P4860

Run Number: FF111924AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PH2-BOT-008	102	91	80	0
PH2-BOT-007	104	97	49	0
PH2-BOT-006	104	100	57	0
PH2-BOT-005	105	96	57	0

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM CASE No.: P4860 SAS No.: P4860 SDG No.: P4860

Run Number: FG111924AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
DUP-01	68			0
PH2-BOT-001	85			0
PH2-BOT-008	81			0
PH2-BOT-007	63			0
PH2-BOT-006	69			0
PH2-BOT-005	68			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

	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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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Tetra Tech

Lab Code: CHEM **Cas No:** P4860 **SAS No :** P4860 **SDG No:** P4860

Sample No : P4839-22MS **Datafile:** FC067811.D

Client ID : EX-4-TPH-6MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	11.2	0.72	7.95	65		(40-140)
Aliphatic C12-C16	7.4	0.90	7.89	94		(40-140)
Aliphatic C16-C21	11.2	0	10.9	98		(40-140)
Aliphatic C21-C28	14.9	0	14.1	95		(40-140)
Aliphatic C28-C40	22.3	7.11	26.5	87		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Tetra Tech

Lab Code: CHEM **Cas No:** P4860 **SAS No :** P4860 **SDG No:** P4860

Sample No : P4839-22MSD **Datafile:** FC067812.D

Client ID : EX-4-TPH-6MSD

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	11.2	0.72	7.66	62		4.09 |	(40-140)	25
Aliphatic C12-C16	7.4	0.90	7.36	87		7.74 |	(40-140)	25
Aliphatic C16-C21	11.2	0	10.6	95		2.8 |	(40-140)	25
Aliphatic C21-C28	14.9	0	13.8	93		2.03 |	(40-140)	25
Aliphatic C28-C40	22.3	7.11	26.0	85		2.45 |	(40-140)	25

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Tetra Tech

Lab Code: CHEM **Cas No:** P4860 **SAS No :** P4860 **SDG No:** P4860

Sample No : P4839-22MS **Datafile:** FD048770.D

Client ID : EX-4-TPH-6MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.4	0	6.32	85		(40-140)
Aromatic C12-C16	11.2	0.53	14.1	121		(40-140)
Aromatic C16-C21	18.6	1.10	23.4	119		(40-140)
Aromatic C21-C36	29.8	0	37.8	126		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Tetra Tech

Lab Code: CHEM **Cas No:** P4860 **SAS No :** P4860 **SDG No:** P4860

Sample No : P4839-22MSD **Datafile:** FD048771.D

Client ID : EX-4-TPH-6MSD

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	7.4	0	6.28	84		0.59 |	(40-140)	25
Aromatic C12-C16	11.2	0.53	15.1	130		7.17 |	(40-140)	25
Aromatic C16-C21	18.6	1.10	22.7	116		2.55 |	(40-140)	25
Aromatic C21-C36	29.7	0	37.6	126		0 |	(40-140)	25

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Tetra Tech

Lab Code: CHEM **Cas No:** P4860 **SAS No :** P4860 **SDG No:** P4860

Sample No : PB165032BS **Datafile:** FC067808.D

Client ID : PB165032BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	6.39	64		(40-140)
Aliphatic C12-C16	6.7	5.31	80		(40-140)
Aliphatic C16-C21	10	8.07	81		(40-140)
Aliphatic C21-C28	13.3	10.4	78		(40-140)
Aliphatic C28-C40	20.0	17.7	89		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Tetra Tech

Lab Code: CHEM **Cas No:** P4860 **SAS No :** P4860 **SDG No:** P4860

Sample No : PB165032BSD **Datafile:** FC067809.D

Client ID : PB165032BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD | QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	6.37	64		0.214| (40-140)	50
Aliphatic C12-C16	6.7	5.32	80		0.22| (40-140)	50
Aliphatic C16-C21	10	8.08	81		0.09| (40-140)	50
Aliphatic C21-C28	13.3	10.4	78		0.0281|(40-140)	50
Aliphatic C28-C40	20.0	17.7	89		0.0129|(40-140)	50

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Tetra Tech

Lab Code: CHEM **Cas No:** P4860 **SAS No :** P4860 **SDG No:** P4860

Sample No : PB165032BS **Datafile:** FD048767.D

Client ID : PB165032BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	5.16	78		(40-140)
Aromatic C12-C16	10	9.14	92		(40-140)
Aromatic C16-C21	16.7	16.7	100		(40-140)
Aromatic C21-C36	26.6	26.3	99		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Tetra Tech

Lab Code: CHEM **Cas No:** P4860 **SAS No :** P4860 **SDG No:** P4860

Sample No : PB165032BSD **Datafile:** FD048768.D

Client ID : PB165032BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	5.24	79		1.5|	(40-140)	50
Aromatic C12-C16	10	9.30	93		1.7|	(40-140)	50
Aromatic C16-C21	16.7	17.0	102		2.1|	(40-140)	50
Aromatic C21-C36	26.6	26.7	100		1.5|	(40-140)	50

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4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165032BL

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Instrument ID: FID_C Lab Sample ID: PB165032BL

Matrix: (soil/water) Solid Date Extracted: 11/16/2024 9:30:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB165032BS	PB165032BS
PB165032BSD	PB165032BSD
EX-4-TPH-6MS	P4839-22MS
EX-4-TPH-6MSD	P4839-22MSD
DUP-01	P4860-01
PH2-BOT-001	P4860-02
PH2-BOT-002	P4860-03
PH2-BOT-003	P4860-04
PH2-BOT-004	P4860-05
PH2-BOT-009	P4860-06
PH2-BOT-008	P4860-07
PH2-BOT-007	P4860-08
PH2-BOT-006	P4860-09
PH2-BOT-005	P4860-10

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165032BL	SDG No.:	P4860
Lab Sample ID:	PB165032BL	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
11/16/24 09:30	11/18/24 15:27	PB165032

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	FC067807.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC067807.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC067807.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC067807.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067807.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD048766.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD048766.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD048766.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.67	mg/kg	FD048766.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.01	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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165032BL	SDG No.:	P4860
Lab Sample ID:	PB165032BL	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
FC067807.D	1	11/16/24	11/18/24	PB165032

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)		37.7		40 - 140	75%	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:	PB165032BL	Acq On:	18 Nov 2024 15:27
Client Sample ID:	PB165032BL	Operator:	YP/AJ
Data file:	FC067807.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	3.172	6.448	0	0	300	ug/ml
Aliphatic C12-C16	6.449	9.838	0	0	200	ug/ml
Aliphatic C16-C21	9.839	13.196	0	0	300	ug/ml
Aliphatic C21-C28	13.197	16.850	0	0	400	ug/ml
Aliphatic C28-C40	16.851	21.691	0	0	600	ug/ml
Aliphatic EPH	3.172	21.691	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	5471332	37.69		ug/ml
Aliphatic C9-C28	3.172	16.850	0	0	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165032BL	SDG No.:	P4860
Lab Sample ID:	PB165032BL	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
FD048766.D	1	11/16/24	11/18/24	PB165032

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	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.1		40 - 140	104%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	51.2		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.9		40 - 140	96%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB165032BL	Acq On:	18 Nov 2024 15:27
Client Sample ID:	PB165032BL	Operator:	YP/AJ
Data file:	FD048766.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	4.088	5.805	0	0	200	ug/ml
Aromatic C12-C16	5.806	8.411	0	0	300	ug/ml
Aromatic C16-C21	8.412	12.674	0	0	500	ug/ml
Aromatic C21-C36	12.675	18.081	0	0	800	ug/ml
Aromatic EPH	4.088	18.081	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	9167743	52.07		ug/ml
2-Flurobiphenyl (SURR)	8.216	8.216	5897989	51.21		ug/ml
ortho-Terphenyl (SURR)	11.255	11.255	9202508	47.85		ug/ml

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Report of Analysis

Client:	Tetra Tech		Date Collected:		
Project:	Ocean County Landfill 2024		Date Received:		
Client Sample ID:	PB165032BS		SDG No.:	P4860	
Lab Sample ID:	PB165032BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
11/16/24 09:30	11/18/24 16:03	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.39		1	0.38	1.00	mg/kg	FC067808.D
Aliphatic C12-C16	Aliphatic C12-C16	5.31		1	0.24	0.67	mg/kg	FC067808.D
Aliphatic C16-C21	Aliphatic C16-C21	8.07		1	0.30	1.00	mg/kg	FC067808.D
Aliphatic C21-C28	Aliphatic C21-C28	10.4		1	0.80	1.33	mg/kg	FC067808.D
Aliphatic C28-C40	Aliphatic C28-C40	17.7		1	1.80	2.00	mg/kg	FC067808.D
Aromatic C10-C12	Aromatic C10-C12	5.16		1	0.30	0.67	mg/kg	FD048767.D
Aromatic C12-C16	Aromatic C12-C16	9.14		1	0.34	1.00	mg/kg	FD048767.D
Aromatic C16-C21	Aromatic C16-C21	16.7		1	0.96	1.67	mg/kg	FD048767.D
Aromatic C21-C36	Aromatic C21-C36	26.3		1	2.00	2.66	mg/kg	FD048767.D
Total AliphaticEPH	Total AliphaticEPH	47.9			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	57.3			3.60	6.00	mg/kg	
Total EPH	Total EPH	105			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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165032BS	SDG No.:	P4860
Lab Sample ID:	PB165032BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067808.D	1	11/16/24	11/18/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.39		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.31		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.07		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.4		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.7		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.6		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB165032BS	Acq On:	18 Nov 2024 16:03
Client Sample ID:	PB165032BS	Operator:	YP/AJ
Data file:	FC067808.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	15894235	95.869	300	ug/ml
Aliphatic C12-C16	6.449	9.838	13573417	79.663	200	ug/ml
Aliphatic C16-C21	9.839	13.196	20548561	121.144	300	ug/ml
Aliphatic C21-C28	13.197	16.850	24590035	156.346	400	ug/ml
Aliphatic C28-C40	16.851	21.691	32108741	265.118	600	ug/ml
Aliphatic EPH	3.172	21.691	106714989	718.139		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	4728305	32.57		ug/ml
Aliphatic C9-C28	3.172	16.850	74606248	453.022	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165032BS	SDG No.:	P4860
Lab Sample ID:	PB165032BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048767.D	1	11/16/24	11/18/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.16		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.14		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	16.7		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	26.3		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.1		40 - 140	92%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	41.8		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.3		40 - 140	79%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB165032BS	Acq On:	18 Nov 2024 16:03
Client Sample ID:	PB165032BS	Operator:	YP/AJ
Data file:	FD048767.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.088	5.805	14872614	77.454	200	ug/ml
Aromatic C12-C16	5.806	8.411	26402895	137.187	300	ug/ml
Aromatic C16-C21	8.412	12.674	46569863	250.639	500	ug/ml
Aromatic C21-C36	12.675	18.081	62025703	394.488	800	ug/ml
Aromatic EPH	4.088	18.081	149871075	859.768		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	8116373	46.1		ug/ml
2-Flurobiphenyl (SURR)	8.217	8.217	4810184	41.77		ug/ml
ortho-Terphenyl (SURR)	11.254	11.254	7565444	39.33		ug/ml

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Report of Analysis

Client:	Tetra Tech		Date Collected:		
Project:	Ocean County Landfill 2024		Date Received:		
Client Sample ID:	PB165032BSD		SDG No.:	P4860	
Lab Sample ID:	PB165032BSD		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
11/16/24 09:30	11/18/24 16:39	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.37		1	0.38	1.00	mg/kg	FC067809.D
Aliphatic C12-C16	Aliphatic C12-C16	5.32		1	0.24	0.67	mg/kg	FC067809.D
Aliphatic C16-C21	Aliphatic C16-C21	8.08		1	0.30	1.00	mg/kg	FC067809.D
Aliphatic C21-C28	Aliphatic C21-C28	10.4		1	0.80	1.33	mg/kg	FC067809.D
Aliphatic C28-C40	Aliphatic C28-C40	17.7		1	1.80	2.00	mg/kg	FC067809.D
Aromatic C10-C12	Aromatic C10-C12	5.24		1	0.30	0.67	mg/kg	FD048768.D
Aromatic C12-C16	Aromatic C12-C16	9.30		1	0.34	1.00	mg/kg	FD048768.D
Aromatic C16-C21	Aromatic C16-C21	17.0		1	0.96	1.67	mg/kg	FD048768.D
Aromatic C21-C36	Aromatic C21-C36	26.7		1	2.00	2.66	mg/kg	FD048768.D
Total AliphaticEPH	Total AliphaticEPH	47.9			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	58.2			3.60	6.00	mg/kg	
Total EPH	Total EPH	106			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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165032BSD	SDG No.:	P4860
Lab Sample ID:	PB165032BSD	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
FC067809.D	1	11/16/24	11/18/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.37		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.32		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.08		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.4		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.7		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.1		40 - 140	64%	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:	PB165032BSD	Acq On:	18 Nov 2024 16:39
Client Sample ID:	PB165032BSD	Operator:	YP/AJ
Data file:	FC067809.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	3.172	6.448	15845078	95.572	300	ug/ml
Aliphatic C12-C16	6.449	9.838	13606967	79.86	200	ug/ml
Aliphatic C16-C21	9.839	13.196	20569153	121.265	300	ug/ml
Aliphatic C21-C28	13.197	16.850	24547765	156.077	400	ug/ml
Aliphatic C28-C40	16.851	21.691	32153817	265.49	600	ug/ml
Aliphatic EPH	3.172	21.691	106722780	718.264		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.929	12.929	4658064	32.09		ug/ml
Aliphatic C9-C28	3.172	16.850	74568963	452.774	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165032BSD	SDG No.:	P4860
Lab Sample ID:	PB165032BSD	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
FD048768.D	1	11/16/24	11/18/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.24		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.30		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	17.0		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	26.7		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.9		40 - 140	94%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	42.3		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.1		40 - 140	80%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB165032BSD	Acq On:	18 Nov 2024 16:39
Client Sample ID:	PB165032BSD	Operator:	YP/AJ
Data file:	FD048768.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	4.088	5.805	15119363	78.739	200	ug/ml
Aromatic C12-C16	5.806	8.411	26863944	139.583	300	ug/ml
Aromatic C16-C21	8.412	12.674	47409765	255.159	500	ug/ml
Aromatic C21-C36	12.675	18.081	62943746	400.326	800	ug/ml
Aromatic EPH	4.088	18.081	152336818	873.808		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	8248787	46.85		ug/ml
2-Flurobiphenyl (SURR)	8.217	8.217	4866638	42.26		ug/ml
ortho-Terphenyl (SURR)	11.254	11.254	7710147	40.09		ug/ml

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Report of Analysis

Client:	Tetra Tech		Date Collected:		
Project:	Ocean County Landfill 2024		Date Received:		
Client Sample ID:	EX-4-TPH-6MS		SDG No.:	P4860	
Lab Sample ID:	P4839-22MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.5	
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
11/16/24 09:30	11/18/24 23:41	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	7.95		1	0.42	1.12	mg/kg	FC067811.D
Aliphatic C12-C16	Aliphatic C12-C16	7.89		1	0.27	0.74	mg/kg	FC067811.D
Aliphatic C16-C21	Aliphatic C16-C21	10.9		1	0.34	1.12	mg/kg	FC067811.D
Aliphatic C21-C28	Aliphatic C21-C28	14.1		1	0.89	1.49	mg/kg	FC067811.D
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	2.01	2.23	mg/kg	FC067811.D
Aromatic C10-C12	Aromatic C10-C12	6.32		1	0.34	0.74	mg/kg	FD048770.D
Aromatic C12-C16	Aromatic C12-C16	14.1		1	0.38	1.12	mg/kg	FD048770.D
Aromatic C16-C21	Aromatic C16-C21	23.4		1	1.07	1.86	mg/kg	FD048770.D
Aromatic C21-C36	Aromatic C21-C36	37.8		1	2.23	2.98	mg/kg	FD048770.D
Total AliphaticEPH	Total AliphaticEPH	67.3			3.93	6.70	mg/kg	
Total AromaticEPH	Total AromaticEPH	81.6			4.01	6.70	mg/kg	
Total EPH	Total EPH	149			7.95	13.4	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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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	EX-4-TPH-6MS	SDG No.:	P4860
Lab Sample ID:	P4839-22MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
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
FC067811.D	1	11/16/24	11/18/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.95		0.42	1.12	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.89		0.27	0.74	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	10.9		0.34	1.12	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	14.1		0.89	1.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.5		2.01	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.8		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4839-22MS	Acq On:	18 Nov 2024 23:41
Client Sample ID:	EX-4-TPH-6MS	Operator:	YP/AJ
Data file:	FC067811.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	17702305	106.775	300	ug/ml
Aliphatic C12-C16	6.449	9.838	18056102	105.973	200	ug/ml
Aliphatic C16-C21	9.839	13.196	24915252	146.887	300	ug/ml
Aliphatic C21-C28	13.197	16.850	29761226	189.224	400	ug/ml
Aliphatic C28-C40	16.851	21.691	43058796	355.531	600	ug/ml
Aliphatic EPH	3.172	21.691	133493681	904.39		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	5629921	38.78		ug/ml
Aliphatic C9-C28	3.172	16.850	90434885	548.859	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	EX-4-TPH-6MS	SDG No.:	P4860
Lab Sample ID:	P4839-22MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
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
FD048770.D	1	11/16/24	11/18/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.32		0.34	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	14.1		0.38	1.12	mg/kg
Aromatic C16-C21	Aromatic C16-C21	23.4		1.07	1.86	mg/kg
Aromatic C21-C36	Aromatic C21-C36	37.8		2.23	2.98	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.1		40 - 140	102%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	50.7		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.8		40 - 140	78%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4839-22MS	Acq On:	18 Nov 2024 23:41
Client Sample ID:	EX-4-TPH-6MS	Operator:	YP/AJ
Data file:	FD048770.D	Misc:	
Instrument:	FID_D	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.088	5.805	16308142	84.93	200	ug/ml
Aromatic C12-C16	5.806	8.411	36396082	189.111	300	ug/ml
Aromatic C16-C21	8.412	12.674	58340240	313.987	500	ug/ml
Aromatic C21-C36	12.675	18.081	79817186	507.643	800	ug/ml
Aromatic EPH	4.088	18.081	190861650	1100		ug/ml
2-Bromonaphthalene (SURR)	7.364	7.364	9001948	51.13		ug/ml
2-Flurobiphenyl (SURR)	8.214	8.214	5843108	50.73		ug/ml
ortho-Terphenyl (SURR)	11.251	11.251	7463900	38.81		ug/ml

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Report of Analysis

Client:	Tetra Tech		Date Collected:		
Project:	Ocean County Landfill 2024		Date Received:		
Client Sample ID:	EX-4-TPH-6MSD		SDG No.:	P4860	
Lab Sample ID:	P4839-22MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.5	
Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
11/16/24 09:30	11/19/24 0:17	PB165032

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	7.66		1	0.42	1.12	mg/kg	FC067812.D
Aliphatic C12-C16	Aliphatic C12-C16	7.36		1	0.27	0.74	mg/kg	FC067812.D
Aliphatic C16-C21	Aliphatic C16-C21	10.6		1	0.34	1.12	mg/kg	FC067812.D
Aliphatic C21-C28	Aliphatic C21-C28	13.8		1	0.89	1.49	mg/kg	FC067812.D
Aliphatic C28-C40	Aliphatic C28-C40	26.0		1	2.01	2.23	mg/kg	FC067812.D
Aromatic C10-C12	Aromatic C10-C12	6.28		1	0.34	0.74	mg/kg	FD048771.D
Aromatic C12-C16	Aromatic C12-C16	15.1		1	0.38	1.12	mg/kg	FD048771.D
Aromatic C16-C21	Aromatic C16-C21	22.7		1	1.07	1.86	mg/kg	FD048771.D
Aromatic C21-C36	Aromatic C21-C36	37.6		1	2.23	2.97	mg/kg	FD048771.D
Total AliphaticEPH	Total AliphaticEPH	65.4			3.93	6.70	mg/kg	
Total AromaticEPH	Total AromaticEPH	81.7			4.01	6.69	mg/kg	
Total EPH	Total EPH	147			7.94	13.4	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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	EX-4-TPH-6MSD	SDG No.:	P4860
Lab Sample ID:	P4839-22MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067812.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.66		0.42	1.12	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.36		0.27	0.74	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	10.6		0.34	1.12	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	13.8		0.89	1.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.0		2.01	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.3		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4839-22MSD	Acq On:	19 Nov 2024 00:17
Client Sample ID:	EX-4-TPH-6MSD	Operator:	YP/AJ
Data file:	FC067812.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	17073606	102.982	300	ug/ml
Aliphatic C12-C16	6.449	9.838	16855603	98.927	200	ug/ml
Aliphatic C16-C21	9.839	13.196	24105998	142.116	300	ug/ml
Aliphatic C21-C28	13.197	16.850	29192307	185.607	400	ug/ml
Aliphatic C28-C40	16.851	21.691	42350168	349.68	600	ug/ml
Aliphatic EPH	3.172	21.691	129577682	879.313		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.929	12.929	5562605	38.32		ug/ml
Aliphatic C9-C28	3.172	16.850	87227514	529.632	1200	ug/ml

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	EX-4-TPH-6MSD	SDG No.:	P4860
Lab Sample ID:	P4839-22MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048771.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.28		0.34	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	15.1		0.38	1.12	mg/kg
Aromatic C16-C21	Aromatic C16-C21	22.7		1.07	1.86	mg/kg
Aromatic C21-C36	Aromatic C21-C36	37.6		2.23	2.97	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.0		40 - 140	102%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	50.4		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.6		40 - 140	77%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4839-22MSD	Acq On:	19 Nov 2024 00:17
Client Sample ID:	EX-4-TPH-6MSD	Operator:	YP/AJ
Data file:	FD048771.D	Misc:	
Instrument:	FID_D	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.088	5.805	16223595	84.49	200	ug/ml
Aromatic C12-C16	5.806	8.411	39196496	203.662	300	ug/ml
Aromatic C16-C21	8.412	12.674	56704572	305.184	500	ug/ml
Aromatic C21-C36	12.675	18.081	79449037	505.301	800	ug/ml
Aromatic EPH	4.088	18.081	191573700	1100		ug/ml
ortho-Terphenyl (SURR)	11.252	11.252	7428539	38.62		ug/ml
2-Bromonaphthalene (SURR)	7.366	7.366	8969471	50.95		ug/ml
2-Flurobiphenyl (SURR)	8.217	8.217	5798672	50.35		ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FC111424AL

AreaCount

Parameter Range	FC067748.D	FC067749.D	FC067750.D	FC067751.D	FC067752.D	
Aliphatic C9-C12	46442029.000	24666595.000	9992394.000	5182647.000	2556169.000	
Aliphatic C12-C16	31783530.000	16951541.000	6841286.000	3561240.000	1743949.000	
Aliphatic C16-C21	45893154.000	24733385.000	10219387.000	5444223.000	2676662.000	
Aliphatic C21-C28	55776518.000	29828483.000	12486021.000	6692087.000	3488783.000	
Aliphatic C28-C40	63293952.000	33876340.000	14624061.000	7555903.000	4180402.000	
Aliphatic EPH	243189183.000	130056344.000	54163149.000	28436100.000	14645965.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	165791.359333	4.188				
Aliphatic C12-C16	170384.422	4.229				
Aliphatic C16-C21	169621.5526664	6.711				
Aliphatic C21-C28	157280.0595	8.883				
Aliphatic C28-C40	121111.3356664	10.666				
Aliphatic EPH	150155.3239994	7.279				

Concentration

Parameter Range	FC067748.D	FC067749.D	FC067750.D	FC067751.D	FC067752.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	FC067748.D	FC067749.D	FC067750.D	FC067751.D	FC067752.D	
Aliphatic C9-C12	154806.763333	164443.966666	166539.900000	172754.900000	170411.266666	
Aliphatic C12-C16	158917.650000	169515.410000	171032.150000	178062.000000	174394.900000	
Aliphatic C16-C21	152977.180000	164889.233333	170323.116666	181474.100000	178444.133333	

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Inital Calibration Report for SequenceID : FC111424AL

Aliphatic C21-C28	139441.295000	149142.415000	156075.262500	167302.175000	174439.150000	
Aliphatic C28-C40	105489.920000	112921.133333	121867.175000	125931.716666	139346.733333	
Aliphatic EPH	135105.101666	144507.048888	150453.191666	157978.333333	162732.944444	

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Inital Calibration Report for SequenceID : FD111424AR

AreaCount

Parameter Range	FD048729.D	FD048730.D	FD048731.D	FD048732.D	FD048733.D	
Aromatic C10-C12	35969884.000	18267930.000	7601024.000	4048482.000	2051093.000	
Aromatic C12-C16	53799266.000	27329767.000	11363305.000	6130468.000	3105423.000	
Aromatic C16-C21	68956735.000	35122486.000	14626807.000	7814027.000	4056681.000	
Aromatic C21-C36	129641639.000	66976017.000	28128596.000	14930708.000	7699801.000	
Aromatic EPH	288367524.000	147696200.000	61719732.000	32923685.000	16912998.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	192017.544	5.932				
Aromatic C12-C16	192458.9766662	6.576				
Aromatic C16-C21	185804.816	6.985				
Aromatic C21-C36	157231.0562216	7.202				
Aromatic EPH	173317.2659998	6.861				

Concentration

Parameter Range	FD048729.D	FD048730.D	FD048731.D	FD048732.D	FD048733.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	FD048729.D	FD048730.D	FD048731.D	FD048732.D	FD048733.D	
Aromatic C10-C12	179849.420000	182679.300000	190025.600000	202424.100000	205109.300000	
Aromatic C12-C16	179330.886666	182198.446666	189388.416666	204348.933333	207028.200000	
Aromatic C16-C21	172391.837500	175612.430000	182835.087500	195350.675000	202834.050000	
Aromatic C21-C36	144046.265555	148835.593333	156269.977777	165896.755555	171106.688888	
Aromatic EPH	160204.180000	164106.888888	171443.700000	182909.361111	187922.200000	

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Inital Calibration Report for SequenceID : FF111524AR

AreaCount

Parameter Range	FF015043.D	FF015044.D	FF015045.D	FF015046.D	FF015047.D	
Aromatic C10-C12	25624619.000	12840457.000	5431334.000	2862696.000	1484837.000	
Aromatic C12-C16	38044279.000	19112981.000	8004546.000	4224718.000	2199658.000	
Aromatic C16-C21	48194073.000	24139876.000	10075602.000	5320691.000	2786424.000	
Aromatic C21-C36	101218315.000	51088854.000	21647169.000	11444761.000	6117333.000	
Aromatic EPH	213081286.000	107182168.000	45158651.000	23852866.000	12588252.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	136785.903	6.574				
Aromatic C12-C16	135022.207333	6.376				
Aromatic C16-C21	127893.6125	6.392				
Aromatic C21-C36	121872.4751108	8.067				
Aromatic EPH	127059.1752218	7.206				

Concentration

Parameter Range	FF015043.D	FF015044.D	FF015045.D	FF015046.D	FF015047.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	FF015043.D	FF015044.D	FF015045.D	FF015046.D	FF015047.D	
Aromatic C10-C12	128123.095000	128404.570000	135783.350000	143134.800000	148483.700000	
Aromatic C12-C16	126814.263333	127419.873333	133409.100000	140823.933333	146643.866666	
Aromatic C16-C21	120485.182500	120699.380000	125945.025000	133017.275000	139321.200000	
Aromatic C21-C36	112464.794444	113530.786666	120262.050000	127164.011111	135940.733333	
Aromatic EPH	118378.492222	119091.297777	125440.697222	132515.922222	139869.466666	

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Inital Calibration Report for SequenceID : FG111424AL

AreaCount

Parameter Range	FG014781.D	FG014782.D	FG014783.D	FG014784.D	FG014785.D	
Aliphatic C9-C12	38805094.000	20087988.000	8323102.000	4325002.000	2172741.000	
Aliphatic C12-C16	26315857.000	13655201.000	5635513.000	2924710.000	1455701.000	
Aliphatic C16-C21	37884451.000	19728051.000	8108918.000	4211614.000	2081364.000	
Aliphatic C21-C28	46060625.000	23943174.000	9959110.000	5094088.000	2618725.000	
Aliphatic C28-C40	54036142.000	28551913.000	12655939.000	6548947.000	3558141.000	
Aliphatic EPH	203102169.000	105966327.000	44682582.000	23104361.000	11886672.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	138200.9466664	4.81				
Aliphatic C12-C16	140164.944	4.418				
Aliphatic C16-C21	134419.0419998	4.235				
Aliphatic C21-C28	123528.9515	5.041				
Aliphatic C28-C40	103690.6509996	10.929				
Aliphatic EPH	123024.9758886	6.339				

Concentration

Parameter Range	FG014781.D	FG014782.D	FG014783.D	FG014784.D	FG014785.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	FG014781.D	FG014782.D	FG014783.D	FG014784.D	FG014785.D	
Aliphatic C9-C12	129350.313333	133919.920000	138718.366666	144166.733333	144849.400000	
Aliphatic C12-C16	131579.285000	136552.010000	140887.825000	146235.500000	145570.100000	
Aliphatic C16-C21	126281.503333	131520.340000	135148.633333	140387.133333	138757.600000	

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Inital Calibration Report for SequenceID : FG111424AL

Aliphatic C21-C28	115151.562500	119715.870000	124488.875000	127352.200000	130936.250000	
Aliphatic C28-C40	90060.236666	95173.043333	105466.158333	109149.116666	118604.700000	
Aliphatic EPH	112834.538333	117740.363333	124118.283333	128357.561111	132074.133333	

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Continuing Calibration Report for SequenceID : FC111824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067806.D**						
Aliphatic C9-C12	10808106.000	60.000	3.172	6.448	180135.100	165791.359	-8.652
Aliphatic C12-C16	7299351.000	40.000	6.449	9.838	182483.775	170384.422	-7.101
Aliphatic C16-C21	10410399.000	60.000	9.839	13.196	173506.650	169621.553	-2.290
Aliphatic C21-C28	13177298.000	80.000	13.197	16.850	164716.225	157280.060	-4.728
Aliphatic C28-C40	14787957.000	120.000	16.851	21.691	123232.975	121111.336	-1.752
Aliphatic EPH	56483111.000	360.000	3.172	21.691	156897.531	150155.324	-4.490

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	18 Nov 2024 14:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067806.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.172	6.448	10808106.000	60.000	ug/ml
Aliphatic C12-C16	6.449	9.838	7299351.000	40.000	ug/ml
Aliphatic C16-C21	9.839	13.196	10410399.000	60.000	ug/ml
Aliphatic C21-C28	13.197	16.850	13177298.000	80.000	ug/ml
Aliphatic C28-C40	16.851	21.691	14787957.000	120.000	ug/ml
Aliphatic EPH	3.172	21.691	56483111.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC111824AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067818.D**						
Aliphatic C9-C12	9264897.000	60.000	3.172	6.448	154414.950	165791.359	6.862
Aliphatic C12-C16	6368128.000	40.000	6.449	9.838	159203.200	170384.422	6.562
Aliphatic C16-C21	9355867.000	60.000	9.839	13.196	155931.117	169621.553	8.071
Aliphatic C21-C28	11909221.000	80.000	13.197	16.850	148865.263	157280.060	5.350
Aliphatic C28-C40	13299776.000	120.000	16.851	21.691	110831.467	121111.336	8.488
Aliphatic EPH	50197889.000	360.000	3.172	21.691	139438.581	150155.324	7.137

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	19 Nov 2024 10:04
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067818.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.172	6.448	9264897.000	60.000	ug/ml
Aliphatic C12-C16	6.449	9.838	6368128.000	40.000	ug/ml
Aliphatic C16-C21	9.839	13.196	9355867.000	60.000	ug/ml
Aliphatic C21-C28	13.197	16.850	11909221.000	80.000	ug/ml
Aliphatic C28-C40	16.851	21.691	13299776.000	120.000	ug/ml
Aliphatic EPH	3.172	21.691	50197889.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FD111824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048757.D**						
Aromatic EPH	69408621.000	360.000	4.088	18.081	192801.725	173317.266	-11.242
Aromatic C10-C12	8631046.000	40.000	4.088	5.805	215776.150	192017.544	-12.373
Aromatic C12-C16	12868534.000	60.000	5.806	8.411	214475.567	192458.977	-11.440
Aromatic C16-C21	16327633.000	80.000	8.412	12.674	204095.413	185804.816	-9.844
Aromatic C21-C36	31581408.000	180.000	12.675	18.081	175452.267	157231.056	-11.589

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	18 Nov 2024 08:49
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048757.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.088	5.805	8631046.000	40.000	ug/ml
Aromatic C12-C16	5.806	8.411	12868534.000	60.000	ug/ml
Aromatic C16-C21	8.412	12.674	16327633.000	80.000	ug/ml
Aromatic C21-C36	12.675	18.081	31581408.000	180.000	ug/ml
Aromatic EPH	4.088	18.081	69408621.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FD111824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048765.D**						
Aromatic EPH	63335238.000	360.000	4.088	18.081	175931.217	173317.266	-1.508
Aromatic C10-C12	7925969.000	40.000	4.088	5.805	198149.225	192017.544	-3.193
Aromatic C12-C16	11827424.000	60.000	5.806	8.411	197123.733	192458.977	-2.424
Aromatic C16-C21	14986986.000	80.000	8.412	12.674	187337.325	185804.816	-0.825
Aromatic C21-C36	28594859.000	180.000	12.675	18.081	158860.328	157231.056	-1.036

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Fax : 908 789 8922

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	18 Nov 2024 14:50
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048765.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.088	5.805	7925969.000	40.000	ug/ml
Aromatic C12-C16	5.806	8.411	11827424.000	60.000	ug/ml
Aromatic C16-C21	8.412	12.674	14986986.000	80.000	ug/ml
Aromatic C21-C36	12.675	18.081	28594859.000	180.000	ug/ml
Aromatic EPH	4.088	18.081	63335238.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FD111824AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048777.D**						
Aromatic EPH	63794665.000	360.000	4.088	18.081	177207.403	173317.266	-2.245
Aromatic C10-C12	8114088.000	40.000	4.088	5.805	202852.200	192017.544	-5.643
Aromatic C12-C16	12005896.000	60.000	5.806	8.411	200098.267	192458.977	-3.969
Aromatic C16-C21	15169934.000	80.000	8.412	12.674	189624.175	185804.816	-2.056
Aromatic C21-C36	28504747.000	180.000	12.675	18.081	158359.706	157231.056	-0.718

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Fax : 908 789 8922

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	19 Nov 2024 10:04
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048777.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.088	5.805	8114088.000	40.000	ug/ml
Aromatic C12-C16	5.806	8.411	12005896.000	60.000	ug/ml
Aromatic C16-C21	8.412	12.674	15169934.000	80.000	ug/ml
Aromatic C21-C36	12.675	18.081	28504747.000	180.000	ug/ml
Aromatic EPH	4.088	18.081	63794665.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FF111924AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015093.D**						
Aromatic C10-C12	6013023.000	40.000	4.496	6.362	150325.575	136785.903	-9.898
Aromatic C12-C16	8810960.000	60.000	6.363	9.056	146849.333	135022.207	-8.759
Aromatic C16-C21	10961897.000	80.000	9.057	13.369	137023.713	127893.613	-7.139
Aromatic C21-C36	22610114.000	180.000	13.370	18.810	125611.744	121872.475	-3.068
Aromatic EPH	48395994.000	360.000	4.496	18.810	134433.317	127059.175	-5.804

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Fax : 908 789 8922

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	19 Nov 2024 10:15
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015093.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.496	6.362	6013023.000	40.000	ug/ml
Aromatic C12-C16	6.363	9.056	8810960.000	60.000	ug/ml
Aromatic C16-C21	9.057	13.369	10961897.000	80.000	ug/ml
Aromatic C21-C36	13.370	18.810	22610114.000	180.000	ug/ml
Aromatic EPH	4.496	18.810	48395994.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FF111924AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015100.D**						
Aromatic C10-C12	6030567.000	40.000	4.496	6.362	150764.175	136785.903	-10.219
Aromatic C12-C16	8822475.000	60.000	6.363	9.056	147041.250	135022.207	-8.902
Aromatic C16-C21	10964920.000	80.000	9.057	13.369	137061.500	127893.613	-7.168
Aromatic C21-C36	22282513.000	180.000	13.370	18.810	123791.739	121872.475	-1.575
Aromatic EPH	48100475.000	360.000	4.496	18.810	133612.431	127059.175	-5.158

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	19 Nov 2024 14:11
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015100.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.496	6.362	6030567.000	40.000	ug/ml
Aromatic C12-C16	6.363	9.056	8822475.000	60.000	ug/ml
Aromatic C16-C21	9.057	13.369	10964920.000	80.000	ug/ml
Aromatic C21-C36	13.370	18.810	22282513.000	180.000	ug/ml
Aromatic EPH	4.496	18.810	48100475.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FG111924AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014862.D**						
Aliphatic C9-C12	7716226.000	60.000	3.218	6.839	128603.767	138200.947	6.944
Aliphatic C12-C16	5227929.000	40.000	6.840	10.283	130698.225	140164.944	6.754
Aliphatic C16-C21	7732718.000	60.000	10.284	13.654	128878.633	134419.042	4.122
Aliphatic C21-C28	9435176.000	80.000	13.655	17.319	117939.700	123528.952	4.525
Aliphatic C28-C40	10421500.000	120.000	17.320	22.248	86845.833	103690.651	16.245
Aliphatic EPH	40533549.000	360.000	3.218	22.248	112593.192	123024.976	8.479

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	19 Nov 2024 10:15
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014862.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.218	6.839	7716226.000	60.000	ug/ml
Aliphatic C12-C16	6.840	10.283	5227929.000	40.000	ug/ml
Aliphatic C16-C21	10.284	13.654	7732718.000	60.000	ug/ml
Aliphatic C21-C28	13.655	17.319	9435176.000	80.000	ug/ml
Aliphatic C28-C40	17.320	22.248	10421500.000	120.000	ug/ml
Aliphatic EPH	3.218	22.248	40533549.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FG111924AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG014871.D**						
Aliphatic C9-C12	7754881.000	60.000	3.218	6.839	129248.017	138200.947	6.478
Aliphatic C12-C16	5244895.000	40.000	6.840	10.283	131122.375	140164.944	6.451
Aliphatic C16-C21	7664939.000	60.000	10.284	13.654	127748.983	134419.042	4.962
Aliphatic C21-C28	9297761.000	80.000	13.655	17.319	116222.013	123528.952	5.915
Aliphatic C28-C40	10532125.000	120.000	17.320	22.248	87767.708	103690.651	15.356
Aliphatic EPH	40494601.000	360.000	3.218	22.248	112485.003	123024.976	8.567

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	19 Nov 2024 14:40
Client Sample ID:		Operator:	YP\AJ
Data file:	FG014871.D	Misc:	
Instrument:	FID_G	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.218	6.839	7754881.000	60.000	ug/ml
Aliphatic C12-C16	6.840	10.283	5244895.000	40.000	ug/ml
Aliphatic C16-C21	10.284	13.654	7664939.000	60.000	ug/ml
Aliphatic C21-C28	13.655	17.319	9297761.000	80.000	ug/ml
Aliphatic C28-C40	17.320	22.248	10532125.000	120.000	ug/ml
Aliphatic EPH	3.218	22.248	40494601.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014868.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 13:12
Operator : YP\AJ
Sample : P4860-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
DUP-01

Integration File: autoint1.e
Quant Time: Nov 20 00:36:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 16:33:02 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...	13.385	3804504	34.235 ug/ml
Spiked Amount 50.000		Recovery = 68.47%	
Target Compounds			

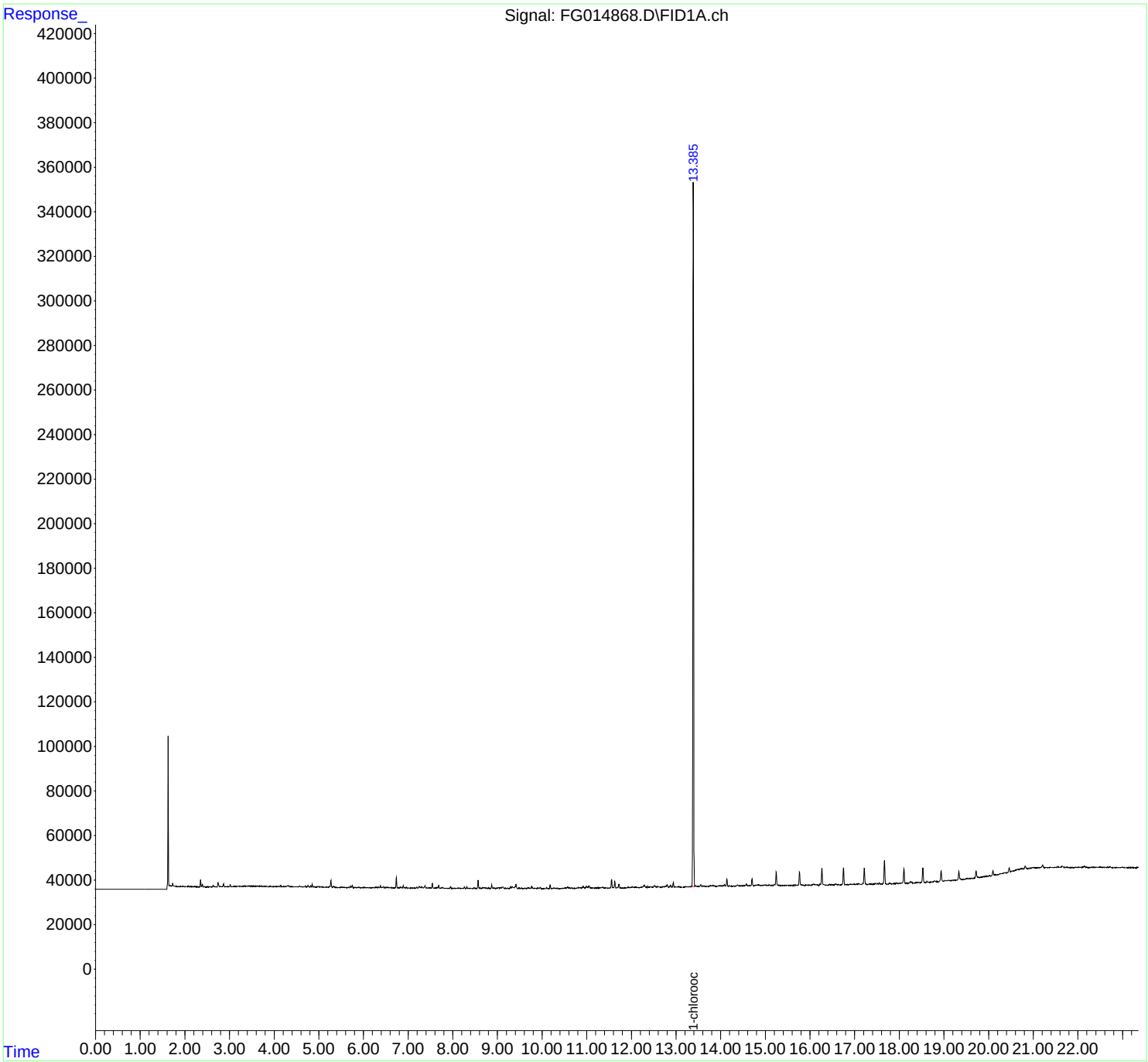
(f)=RT Delta > 1/2 Window (m)=manual int.

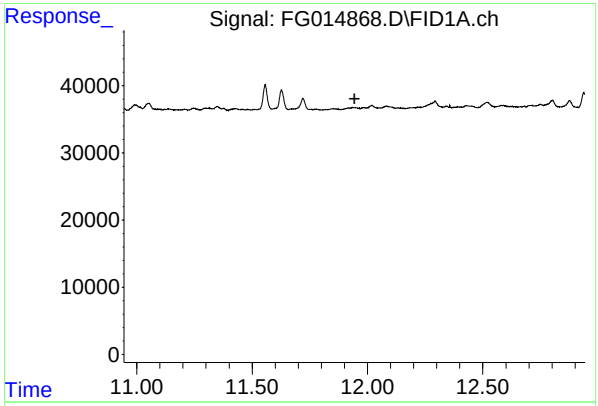
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014868.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 13:12
Operator : YP\AJ
Sample : P4860-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
DUP-01

Integration File: autoint1.e
Quant Time: Nov 20 00:36:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 16:33:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

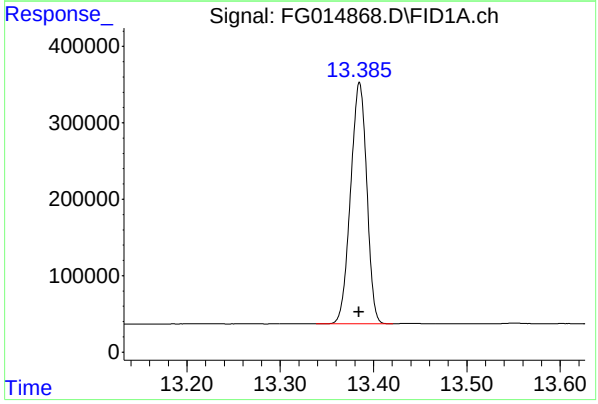




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.944 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
DUP-01



#12 1-chlorooctadecane (SURR)

R.T.: 13.385 min
Delta R.T.: 0.000 min
Response: 3804504
Conc: 34.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014868.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 13:12
Sample : P4860-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.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	3.244	3.221	3.301	BV	56	2477	0.06%	0.025%
2	3.321	3.301	3.338	VV	270	3374	0.09%	0.035%
3	3.347	3.338	3.378	VV	149	2896	0.08%	0.030%
4	3.382	3.378	3.397	VV	128	1292	0.03%	0.013%
5	3.440	3.397	3.472	VV	305	6930	0.18%	0.071%
6	3.507	3.472	3.584	VV	207	11536	0.30%	0.119%
7	3.601	3.584	3.611	VV	234	3336	0.09%	0.034%
8	3.620	3.611	3.653	VV	269	5240	0.14%	0.054%
9	3.657	3.653	3.689	VV	249	4248	0.11%	0.044%
10	3.708	3.689	3.744	VV	335	6390	0.17%	0.066%
11	3.764	3.744	3.786	VV	213	3796	0.10%	0.039%
12	3.797	3.786	3.868	VV	190	6045	0.16%	0.062%
13	3.879	3.868	3.888	VV	123	1222	0.03%	0.013%
14	3.904	3.888	3.921	VV	267	3480	0.09%	0.036%
15	3.927	3.921	3.984	VV	203	4398	0.12%	0.045%
16	3.999	3.984	4.085	VV	207	6459	0.17%	0.066%
17	4.111	4.085	4.128	VV	379	5725	0.15%	0.059%
18	4.145	4.128	4.204	VV	702	10265	0.27%	0.106%
19	4.221	4.204	4.249	VV	179	3618	0.09%	0.037%
20	4.258	4.249	4.265	VV	155	1238	0.03%	0.013%
21	4.315	4.265	4.365	VV	611	19074	0.50%	0.196%
22	4.372	4.365	4.457	VV	244	9035	0.24%	0.093%
23	4.469	4.457	4.498	VV	182	4209	0.11%	0.043%
24	4.506	4.498	4.531	VV	191	3071	0.08%	0.032%
25	4.570	4.531	4.593	VV	627	10752	0.28%	0.111%
26	4.609	4.593	4.633	VV	280	5207	0.14%	0.054%
27	4.645	4.633	4.671	VV	175	3204	0.08%	0.033%
28	4.695	4.671	4.718	VV	461	8097	0.21%	0.083%
29	4.725	4.718	4.732	VV	202	1401	0.04%	0.014%
30	4.758	4.732	4.780	VV	912	12387	0.32%	0.127%
31	4.791	4.780	4.803	VV	257	2785	0.07%	0.029%
32	4.821	4.803	4.837	VV	807	9657	0.25%	0.099%
33	4.854	4.837	4.904	VV	1305	17656	0.46%	0.181%
34	4.912	4.904	4.918	VV	210	1643	0.04%	0.017%
35	4.985	4.918	5.014	VV	412	14572	0.38%	0.150%
36	5.031	5.014	5.047	VV	308	4394	0.11%	0.045%

rteres

37	5.066	5.047	5.095	VV	320	6085	0.16%	0.063%
38	5.104	5.095	5.135	VV	154	2433	0.06%	0.025%
39	5.151	5.135	5.160	VV	132	1597	0.04%	0.016%
40	5.184	5.160	5.205	VV	319	4815	0.13%	0.049%
41	5.271	5.205	5.310	VV	3213	45698	1.20%	0.470%
42	5.332	5.310	5.378	VV	687	11095	0.29%	0.114%
43	5.390	5.378	5.401	VV	84	1050	0.03%	0.011%
44	5.414	5.401	5.426	VV	73	878	0.02%	0.009%
45	5.451	5.426	5.464	PV	95	1170	0.03%	0.012%
46	5.479	5.464	5.500	VV	216	2873	0.08%	0.030%
47	5.517	5.500	5.542	VV	313	4478	0.12%	0.046%
48	5.563	5.542	5.574	VV	135	2068	0.05%	0.021%
49	5.583	5.574	5.626	VV	159	2562	0.07%	0.026%
50	5.669	5.626	5.682	PV	182	3050	0.08%	0.031%
51	5.705	5.682	5.722	VV	738	8856	0.23%	0.091%
52	5.750	5.722	5.795	VV	1154	16428	0.43%	0.169%
53	5.811	5.795	5.839	VV	356	4572	0.12%	0.047%
54	5.852	5.839	5.861	VV	141	1240	0.03%	0.013%
55	5.894	5.861	5.953	VV	317	8352	0.22%	0.086%
56	5.965	5.953	5.983	VV	146	2007	0.05%	0.021%
57	6.018	5.983	6.041	VV	280	5795	0.15%	0.060%
58	6.075	6.041	6.113	VV	215	5622	0.15%	0.058%
59	6.140	6.113	6.159	VV	109	1790	0.05%	0.018%
60	6.186	6.159	6.205	VV	150	2318	0.06%	0.024%
61	6.240	6.205	6.256	VV	202	3434	0.09%	0.035%
62	6.296	6.256	6.321	VV	412	10504	0.27%	0.108%
63	6.339	6.321	6.365	VV	522	7322	0.19%	0.075%
64	6.383	6.365	6.415	VV	944	13270	0.35%	0.136%
65	6.448	6.415	6.485	VV	664	12785	0.33%	0.131%
66	6.524	6.485	6.571	VV	399	13084	0.34%	0.134%
67	6.577	6.571	6.605	VV	202	3479	0.09%	0.036%
68	6.623	6.605	6.637	VV	215	3366	0.09%	0.035%
69	6.648	6.637	6.681	VV	147	3286	0.09%	0.034%
70	6.701	6.681	6.711	VV	160	2380	0.06%	0.024%
71	6.738	6.711	6.768	VV	4748	51200	1.34%	0.526%
72	6.782	6.768	6.807	VV	170	3248	0.08%	0.033%
73	6.825	6.807	6.843	VV	588	7115	0.19%	0.073%
74	6.861	6.843	6.874	VV	381	4448	0.12%	0.046%
75	6.892	6.874	6.913	VV	1129	12646	0.33%	0.130%
76	6.927	6.913	6.951	VV	368	4902	0.13%	0.050%
77	6.967	6.951	6.999	VV	571	6604	0.17%	0.068%
78	7.027	6.999	7.055	VV	135	2918	0.08%	0.030%
79	7.078	7.055	7.104	VV	178	3237	0.08%	0.033%
80	7.127	7.104	7.175	VV	187	4407	0.12%	0.045%
81	7.195	7.175	7.226	PV	561	7478	0.20%	0.077%
82	7.249	7.226	7.284	VV	915	17074	0.45%	0.175%
83	7.309	7.284	7.345	VV	731	16685	0.44%	0.171%
84	7.377	7.345	7.402	VV	1091	17975	0.47%	0.185%
85	7.416	7.402	7.441	VV	352	4378	0.11%	0.045%
86	7.460	7.441	7.473	VV	235	3550	0.09%	0.036%
87	7.485	7.473	7.512	VV	280	4330	0.11%	0.045%
88	7.543	7.512	7.581	VV	2266	26692	0.70%	0.274%
89	7.603	7.581	7.635	VV	273	6805	0.18%	0.070%

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90	7.652	7.635	7.665	VV	496	5549	0.15%	0.057%
91	7.685	7.665	7.711	VV	1401	16492	0.43%	0.169%
92	7.721	7.711	7.734	VV	236	2562	0.07%	0.026%
93	7.754	7.734	7.764	VV	374	4766	0.12%	0.049%
94	7.778	7.764	7.818	VV	548	7339	0.19%	0.075%
95	7.839	7.818	7.884	VV	138	3181	0.08%	0.033%
96	7.895	7.884	7.935	PV	90	1014	0.03%	0.010%
97	7.952	7.935	7.997	VV	954	11476	0.30%	0.118%
98	8.012	7.997	8.020	VV	107	1183	0.03%	0.012%
99	8.035	8.020	8.072	VV	194	3730	0.10%	0.038%
100	8.120	8.072	8.141	VV	218	5704	0.15%	0.059%
101	8.146	8.141	8.161	VV	159	1603	0.04%	0.016%
102	8.172	8.161	8.200	VV	139	1662	0.04%	0.017%
103	8.216	8.200	8.235	VV	177	1817	0.05%	0.019%
104	8.262	8.235	8.287	VV	847	9639	0.25%	0.099%
105	8.318	8.287	8.339	VV	888	10216	0.27%	0.105%
106	8.355	8.339	8.373	VV	191	2941	0.08%	0.030%
107	8.388	8.373	8.418	VV	182	3200	0.08%	0.033%
108	8.429	8.418	8.451	VV	89	1397	0.04%	0.014%
109	8.475	8.451	8.498	VV	520	6591	0.17%	0.068%
110	8.511	8.498	8.537	VV	131	2242	0.06%	0.023%
111	8.569	8.537	8.640	PV	3832	48191	1.26%	0.495%
112	8.669	8.640	8.698	VV	502	11399	0.30%	0.117%
113	8.722	8.698	8.744	VV	494	9371	0.25%	0.096%
114	8.765	8.744	8.790	VV	366	6014	0.16%	0.062%
115	8.805	8.790	8.845	VV	512	6056	0.16%	0.062%
116	8.874	8.845	8.898	VV	1698	20607	0.54%	0.212%
117	8.922	8.898	8.945	VV	424	7047	0.18%	0.072%
118	8.995	8.945	9.005	VV	314	8368	0.22%	0.086%
119	9.032	9.005	9.048	VV	533	10082	0.26%	0.104%
120	9.064	9.048	9.076	VV	538	7211	0.19%	0.074%
121	9.114	9.076	9.156	VV	899	23934	0.63%	0.246%
122	9.178	9.156	9.207	VV	409	4965	0.13%	0.051%
123	9.231	9.207	9.252	PV	325	4690	0.12%	0.048%
124	9.297	9.252	9.314	VV	1021	14689	0.38%	0.151%
125	9.334	9.314	9.377	VV	947	23073	0.60%	0.237%
126	9.415	9.377	9.465	VV	2048	41145	1.08%	0.423%
127	9.486	9.465	9.509	VV	589	7417	0.19%	0.076%
128	9.537	9.509	9.569	VV	453	6062	0.16%	0.062%
129	9.618	9.569	9.667	VV	311	10749	0.28%	0.110%
130	9.701	9.667	9.741	VV	545	12617	0.33%	0.130%
131	9.767	9.741	9.804	VV	1118	18258	0.48%	0.188%
132	9.819	9.804	9.846	VV	331	5029	0.13%	0.052%
133	9.863	9.846	9.888	VV	249	3965	0.10%	0.041%
134	9.906	9.888	9.941	VV	537	7967	0.21%	0.082%
135	9.959	9.941	9.992	VV	664	8504	0.22%	0.087%
136	10.014	9.992	10.038	VV	114	1863	0.05%	0.019%
137	10.051	10.038	10.078	VV	199	2133	0.06%	0.022%
138	10.100	10.078	10.156	PV	524	8497	0.22%	0.087%
139	10.180	10.156	10.228	VV	1796	22312	0.58%	0.229%
140	10.259	10.228	10.308	VV	325	9812	0.26%	0.101%
141	10.352	10.308	10.385	VV	204	5331	0.14%	0.055%

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142	10.398	10.385	10.409	PV	60	336	0.01%	0.003%
143	10.461	10.409	10.478	VV	227	4651	0.12%	0.048%
144	10.505	10.478	10.520	VV	374	6002	0.16%	0.062%
145	10.534	10.520	10.543	VV	259	3103	0.08%	0.032%
146	10.571	10.543	10.594	VV	769	13636	0.36%	0.140%
147	10.614	10.594	10.633	VV	518	8156	0.21%	0.084%
148	10.661	10.633	10.685	VV	364	7724	0.20%	0.079%
149	10.710	10.685	10.755	VV	214	5466	0.14%	0.056%
150	10.785	10.755	10.797	VV	396	6099	0.16%	0.063%
151	10.810	10.797	10.838	VV	403	7820	0.20%	0.080%
152	10.856	10.838	10.885	VV	493	10756	0.28%	0.111%
153	10.921	10.885	10.959	VV	1143	23449	0.61%	0.241%
154	10.992	10.959	11.025	VV	943	22870	0.60%	0.235%
155	11.051	11.025	11.086	VV	1157	23538	0.62%	0.242%
156	11.094	11.086	11.115	VV	288	3836	0.10%	0.039%
157	11.137	11.115	11.198	VV	300	9477	0.25%	0.097%
158	11.208	11.198	11.223	VV	234	2810	0.07%	0.029%
159	11.247	11.223	11.278	VV	351	7647	0.20%	0.079%
160	11.295	11.278	11.329	VV	395	9697	0.25%	0.100%
161	11.349	11.329	11.394	VV	617	13370	0.35%	0.137%
162	11.428	11.394	11.497	VV	292	9686	0.25%	0.100%
163	11.556	11.497	11.587	VV	3831	52296	1.37%	0.537%
164	11.627	11.587	11.657	VV	3022	43848	1.15%	0.451%
165	11.721	11.657	11.765	VV	1746	30736	0.80%	0.316%
166	11.774	11.765	11.799	VV	106	1799	0.05%	0.018%
167	11.851	11.799	11.885	PV	243	5337	0.14%	0.055%
168	11.939	11.885	11.969	VV	353	12073	0.32%	0.124%
169	11.983	11.969	11.997	VV	322	4598	0.12%	0.047%
170	12.019	11.997	12.060	VV	634	14187	0.37%	0.146%
171	12.082	12.060	12.165	VV	523	18640	0.49%	0.192%
172	12.293	12.165	12.325	VV	1182	45339	1.19%	0.466%
173	12.343	12.325	12.352	VV	435	5715	0.15%	0.059%
174	12.429	12.352	12.476	VV	493	24345	0.64%	0.250%
175	12.518	12.476	12.553	VV	962	25198	0.66%	0.259%
176	12.590	12.553	12.655	VV	479	20994	0.55%	0.216%
177	12.663	12.655	12.669	VV	273	2221	0.06%	0.023%
178	12.679	12.669	12.688	VV	309	3127	0.08%	0.032%
179	12.706	12.688	12.723	VV	446	8075	0.21%	0.083%
180	12.749	12.723	12.764	VV	578	11447	0.30%	0.118%
181	12.801	12.764	12.841	VV	1185	27306	0.71%	0.281%
182	12.876	12.841	12.910	VV	1147	19891	0.52%	0.204%
183	12.938	12.910	12.964	VV	2284	29756	0.78%	0.306%
184	12.985	12.964	13.023	VV	308	8928	0.23%	0.092%
185	13.052	13.023	13.137	VV	394	12543	0.33%	0.129%
186	13.217	13.137	13.245	VV	301	10377	0.27%	0.107%
187	13.265	13.245	13.285	VV	250	4885	0.13%	0.050%
188	13.304	13.285	13.320	VV	295	5287	0.14%	0.054%
189	13.385	13.320	13.420	VV	316101	3823794	100.00%	39.300%
190	13.443	13.420	13.475	VV	650	15055	0.39%	0.155%
191	13.484	13.475	13.525	VV	399	9456	0.25%	0.097%
192	13.551	13.525	13.584	VV	1193	21482	0.56%	0.221%
193	13.603	13.584	13.650	VV	523	15766	0.41%	0.162%
194	13.673	13.650	13.701	VV	371	8900	0.23%	0.091%

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195	13.722	13.701	13.734	VV	322	5563	0.15%	0.057%
196	13.772	13.734	13.799	VV	598	18329	0.48%	0.188%
197	13.824	13.799	13.888	VV	673	26068	0.68%	0.268%
198	13.895	13.888	13.914	VV	369	4812	0.13%	0.049%
199	13.988	13.914	14.032	VV	526	27596	0.72%	0.284%
200	14.050	14.032	14.063	VV	520	8014	0.21%	0.082%
201	14.085	14.063	14.108	VV	1044	17065	0.45%	0.175%
202	14.138	14.108	14.171	VV	3373	46771	1.22%	0.481%
203	14.186	14.171	14.213	VV	357	6799	0.18%	0.070%
204	14.225	14.213	14.248	VV	296	5084	0.13%	0.052%
205	14.290	14.248	14.314	VV	246	8435	0.22%	0.087%
206	14.375	14.314	14.416	VV	785	24779	0.65%	0.255%
207	14.438	14.416	14.455	VV	408	7977	0.21%	0.082%
208	14.470	14.455	14.496	VV	346	7307	0.19%	0.075%
209	14.574	14.496	14.596	VV	1200	31757	0.83%	0.326%
210	14.621	14.596	14.652	VV	436	12094	0.32%	0.124%
211	14.701	14.652	14.748	VV	3437	54441	1.42%	0.560%
212	14.769	14.748	14.781	VV	499	7941	0.21%	0.082%
213	14.798	14.781	14.818	VV	549	10586	0.28%	0.109%
214	14.833	14.818	14.884	VV	675	21379	0.56%	0.220%
215	14.903	14.884	14.930	VV	452	11007	0.29%	0.113%
216	14.957	14.930	14.971	VV	541	11040	0.29%	0.113%
217	14.985	14.971	14.995	VV	482	6291	0.16%	0.065%
218	15.023	14.995	15.038	VV	561	11651	0.30%	0.120%
219	15.052	15.038	15.068	VV	519	7929	0.21%	0.081%
220	15.087	15.068	15.167	VV	502	20466	0.54%	0.210%
221	15.198	15.167	15.214	VV	827	14661	0.38%	0.151%
222	15.242	15.214	15.295	VV	6315	92007	2.41%	0.946%
223	15.298	15.295	15.355	VV	406	10055	0.26%	0.103%
224	15.382	15.355	15.411	VV	273	7549	0.20%	0.078%
225	15.439	15.411	15.459	VV	291	7007	0.18%	0.072%
226	15.500	15.459	15.535	VV	280	10551	0.28%	0.108%
227	15.577	15.535	15.606	VV	301	8890	0.23%	0.091%
228	15.675	15.606	15.708	VV	402	14356	0.38%	0.148%
229	15.763	15.708	15.838	VV	6190	99045	2.59%	1.018%
230	15.856	15.838	15.883	VV	262	4888	0.13%	0.050%
231	15.905	15.883	15.928	VV	337	5477	0.14%	0.056%
232	15.942	15.928	15.971	VV	357	7046	0.18%	0.072%
233	15.983	15.971	16.030	VV	326	8089	0.21%	0.083%
234	16.082	16.030	16.118	VV	721	23227	0.61%	0.239%
235	16.132	16.118	16.201	VV	438	13684	0.36%	0.141%
236	16.225	16.201	16.237	VV	685	9646	0.25%	0.099%
237	16.265	16.237	16.354	VV	7802	116097	3.04%	1.193%
238	16.365	16.354	16.383	VV	188	1658	0.04%	0.017%
239	16.442	16.383	16.530	PV	396	17465	0.46%	0.179%
240	16.575	16.530	16.608	VV	634	14556	0.38%	0.150%
241	16.626	16.608	16.671	VV	372	8008	0.21%	0.082%
242	16.749	16.671	16.788	VV	7699	110141	2.88%	1.132%
243	16.800	16.788	16.840	VV	274	4284	0.11%	0.044%
244	16.866	16.840	16.877	VV	205	3053	0.08%	0.031%
245	16.911	16.877	16.930	VV	363	7428	0.19%	0.076%
246	16.952	16.930	16.960	VV	290	4379	0.11%	0.045%

rteres

247	16.974	16.960	17.005	VV	319	6749	0.18%	0.069%
248	17.049	17.005	17.071	VV	513	11860	0.31%	0.122%
249	17.095	17.071	17.122	VV	541	10816	0.28%	0.111%
250	17.132	17.122	17.151	VV	242	3461	0.09%	0.036%
251	17.214	17.151	17.292	VV	7510	118113	3.09%	1.214%
252	17.346	17.292	17.408	VV	352	12241	0.32%	0.126%
253	17.455	17.408	17.488	VV	370	10150	0.27%	0.104%
254	17.506	17.488	17.531	VV	462	7141	0.19%	0.073%
255	17.551	17.531	17.575	VV	779	10286	0.27%	0.106%
256	17.595	17.575	17.618	VV	268	4206	0.11%	0.043%
257	17.666	17.618	17.713	VV	10836	156331	4.09%	1.607%
258	17.720	17.713	17.730	VV	75	442	0.01%	0.005%
259	17.786	17.730	17.840	PV	435	13001	0.34%	0.134%
260	17.947	17.840	17.975	VV	416	14987	0.39%	0.154%
261	17.996	17.975	18.027	VV	296	5509	0.14%	0.057%
262	18.103	18.027	18.137	VV	6792	102944	2.69%	1.058%
263	18.164	18.137	18.197	VV	186	3412	0.09%	0.035%
264	18.250	18.197	18.313	VV	603	22405	0.59%	0.230%
265	18.323	18.313	18.340	VV	132	1028	0.03%	0.011%
266	18.378	18.340	18.401	PV	415	8282	0.22%	0.085%
267	18.421	18.401	18.475	VV	411	8886	0.23%	0.091%
268	18.526	18.475	18.565	VV	6747	100337	2.62%	1.031%
269	18.581	18.565	18.591	PV	101	1035	0.03%	0.011%
270	18.619	18.591	18.637	VV	615	7960	0.21%	0.082%
271	18.660	18.637	18.701	VV	231	5856	0.15%	0.060%
272	18.787	18.701	18.814	VV	639	17202	0.45%	0.177%
273	18.831	18.814	18.858	VV	304	5737	0.15%	0.059%
274	18.869	18.858	18.878	VV	115	776	0.02%	0.008%
275	18.935	18.878	18.993	PV	4873	82540	2.16%	0.848%
276	19.017	18.993	19.062	VV	461	10413	0.27%	0.107%
277	19.087	19.062	19.121	VV	386	8469	0.22%	0.087%
278	19.134	19.121	19.163	VV	190	2998	0.08%	0.031%
279	19.189	19.163	19.209	VV	272	5037	0.13%	0.052%
280	19.238	19.209	19.278	VV	275	5089	0.13%	0.052%
281	19.333	19.278	19.363	PV	3799	60060	1.57%	0.617%
282	19.372	19.363	19.408	VV	458	7735	0.20%	0.079%
283	19.511	19.408	19.555	VV	377	19034	0.50%	0.196%
284	19.581	19.555	19.600	VV	455	7991	0.21%	0.082%
285	19.624	19.600	19.645	VV	345	6890	0.18%	0.071%
286	19.719	19.645	19.798	VV	3386	73397	1.92%	0.754%
287	19.882	19.798	19.894	VV	445	20895	0.55%	0.215%
288	19.926	19.894	19.938	VV	480	11466	0.30%	0.118%
289	19.961	19.938	19.978	VV	604	12703	0.33%	0.131%
290	20.014	19.978	20.051	VV	668	24191	0.63%	0.249%
291	20.096	20.051	20.123	VV	2700	53372	1.40%	0.549%
292	20.151	20.123	20.175	VV	821	23673	0.62%	0.243%
293	20.259	20.175	20.267	VV	1062	48414	1.27%	0.498%
294	20.370	20.267	20.395	VV	1374	88386	2.31%	0.908%
295	20.461	20.395	20.488	VV	3311	102758	2.69%	1.056%
296	20.526	20.488	20.544	VV	1779	56037	1.47%	0.576%
297	20.651	20.544	20.671	VV	2282	153358	4.01%	1.576%
298	20.733	20.671	20.756	VV	2510	119163	3.12%	1.225%
299	20.819	20.756	20.881	VV	3507	188931	4.94%	1.942%

rteres

300	20.995	20.881	21.006	VV	2480	170277	4.45%	1.750%
301	21.012	21.006	21.041	VV	2392	48671	1.27%	0.500%
302	21.208	21.041	21.259	VV	3140	290895	7.61%	2.990%
303	21.293	21.259	21.331	VV	1918	80447	2.10%	0.827%
304	21.345	21.331	21.360	VV	1812	31195	0.82%	0.321%
305	21.384	21.360	21.451	VV	1767	89837	2.35%	0.923%
306	21.485	21.451	21.501	VV	1582	46207	1.21%	0.475%
307	21.556	21.501	21.615	VV	1634	104207	2.73%	1.071%
308	21.649	21.615	21.740	VV	1752	101852	2.66%	1.047%
309	21.762	21.740	21.832	VV	1075	51612	1.35%	0.530%
310	21.849	21.832	21.868	VV	796	16874	0.44%	0.173%
311	21.878	21.868	21.895	VV	708	11095	0.29%	0.114%
312	21.947	21.895	21.961	VV	667	25792	0.67%	0.265%
313	21.968	21.961	21.979	VV	659	6685	0.17%	0.069%
314	22.015	21.979	22.028	VV	554	15618	0.41%	0.161%
315	22.045	22.028	22.071	VV	483	11723	0.31%	0.120%
316	22.144	22.071	22.186	VV	811	33564	0.88%	0.345%
317	22.205	22.186	22.251	VBA	220	12879	0.34%	0.132%

Sum of corrected areas: 9729746

Aliphatic EPH 111424.M Wed Nov 20 01:28:25 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048760.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 10:38
Operator : YP/AJ
Sample : P4860-01
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
DUP-01

Integration File: sample.E
Quant Time: Nov 19 05:55:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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...	7.367	9232725	52.441 ug/ml
Spiked Amount 50.000		Recovery = 104.88%	
6) S 2-Flurobiphenyl (SURR)	8.217	6235407	54.141 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 108.28%	
11) S ortho-Terphenyl (SURR)	11.251	5492809	28.558 ug/ml
Spiked Amount 50.000		Recovery = 57.12%	
Target Compounds			

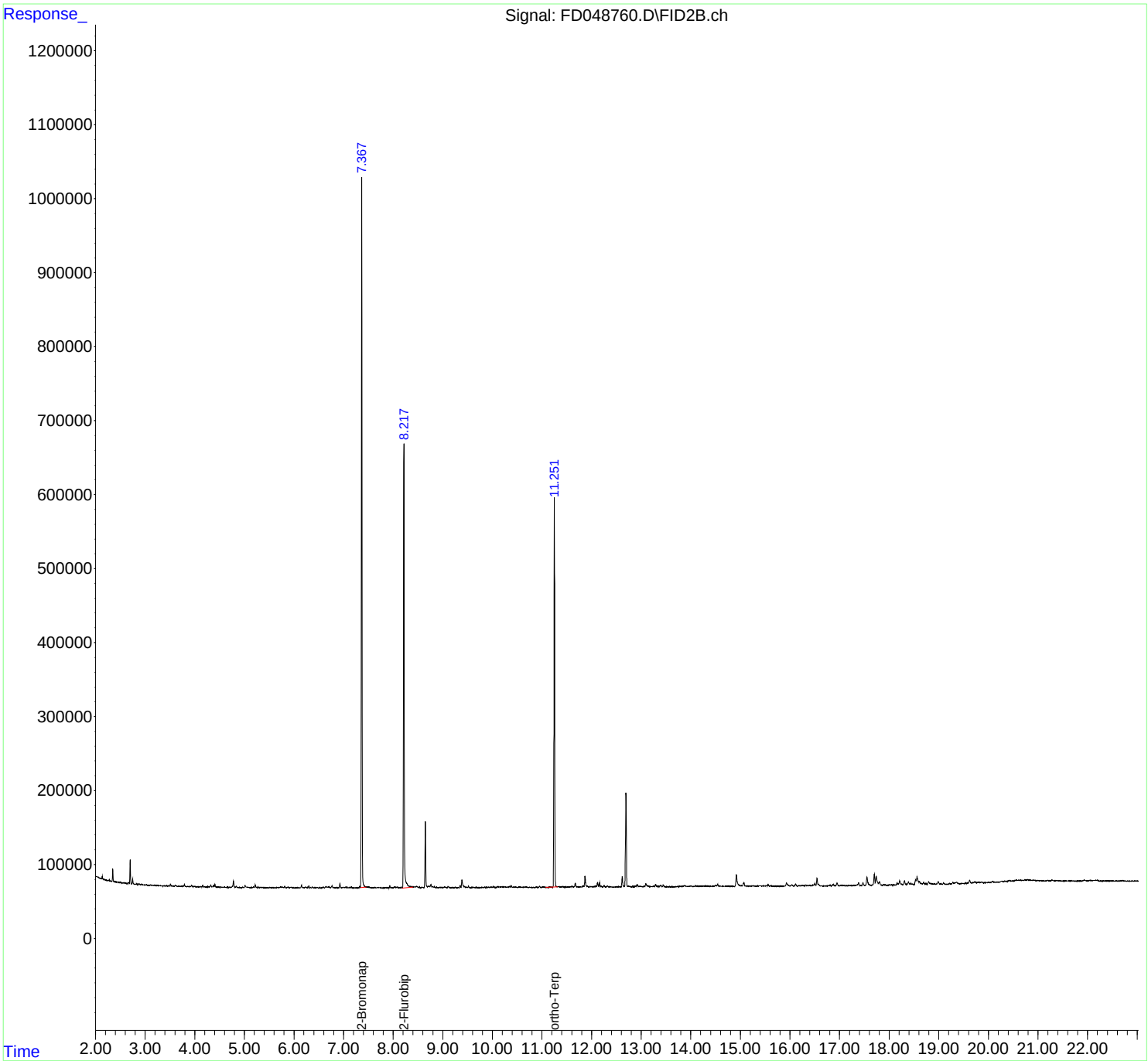
(f)=RT Delta > 1/2 Window (m)=manual int.

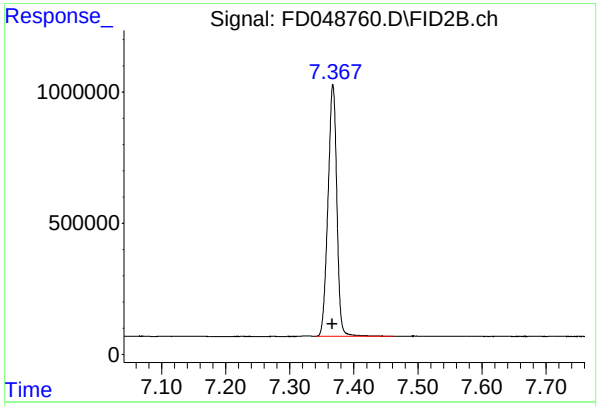
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048760.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 10:38
Operator : YP/AJ
Sample : P4860-01
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
DUP-01

Integration File: sample.E
Quant Time: Nov 19 05:55:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

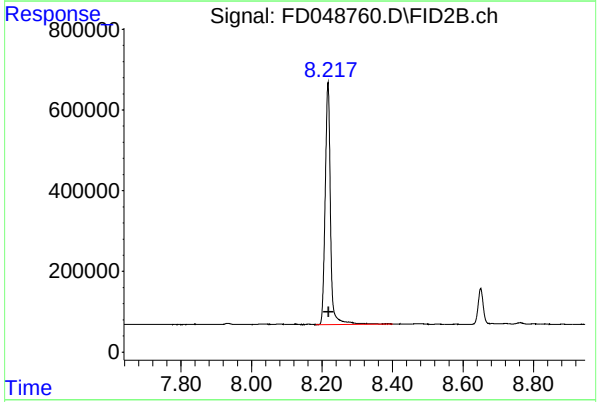




#4 2-Bromonaphthalene (SURR)

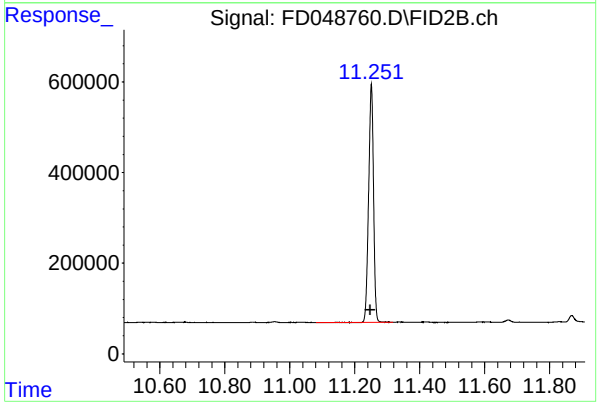
R.T.: 7.367 min
Delta R.T.: 0.000 min
Response: 9232725
Conc: 52.44 ug/ml

Instrument :
FID_D
ClientSampleId :
DUP-01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.217 min
Delta R.T.: -0.002 min
Response: 6235407
Conc: 54.14 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.251 min
Delta R.T.: 0.003 min
Response: 5492809
Conc: 28.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048760.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 10:38
Sample : P4860-01
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.058	4.042	4.070	BV	371	1937	0.02%	0.006%
2	4.094	4.084	4.100	PV	221	1581	0.02%	0.005%
3	4.117	4.100	4.140	VV	703	9613	0.10%	0.030%
4	4.160	4.140	4.187	VV	2700	30943	0.33%	0.098%
5	4.194	4.187	4.212	VV	541	5319	0.06%	0.017%
6	4.218	4.212	4.246	VV	285	4083	0.04%	0.013%
7	4.267	4.246	4.298	VV	911	13961	0.15%	0.044%
8	4.323	4.298	4.344	VV	3338	39159	0.42%	0.123%
9	4.355	4.344	4.360	VV	648	5462	0.06%	0.017%
10	4.378	4.360	4.390	VV	2942	30161	0.32%	0.095%
11	4.407	4.390	4.448	VV	4306	45099	0.48%	0.142%
12	4.454	4.448	4.467	PV	306	2304	0.02%	0.007%
13	4.479	4.467	4.508	VV	564	9251	0.10%	0.029%
14	4.520	4.508	4.554	VV	860	10958	0.12%	0.035%
15	4.556	4.554	4.574	VV	391	2754	0.03%	0.009%
16	4.592	4.574	4.629	VV	854	12558	0.13%	0.040%
17	4.635	4.629	4.642	VV	284	1889	0.02%	0.006%
18	4.652	4.642	4.674	VV	367	4315	0.05%	0.014%
19	4.701	4.674	4.716	VV	781	9642	0.10%	0.030%
20	4.724	4.716	4.729	VV	413	2612	0.03%	0.008%
21	4.731	4.729	4.739	VV	476	2278	0.02%	0.007%
22	4.759	4.739	4.764	VV	2087	18517	0.20%	0.058%
23	4.780	4.764	4.815	VV	9117	109329	1.18%	0.345%
24	4.837	4.815	4.866	VV	2170	26582	0.29%	0.084%
25	4.871	4.866	4.885	VV	468	4451	0.05%	0.014%
26	4.890	4.885	4.896	VV	440	2397	0.03%	0.008%
27	4.900	4.896	4.920	VV	480	4502	0.05%	0.014%
28	4.947	4.930	4.952	VV	218	1410	0.02%	0.004%
29	4.970	4.952	4.996	PV	674	9437	0.10%	0.030%
30	5.014	4.996	5.057	VV	3365	53000	0.57%	0.167%
31	5.063	5.057	5.114	VV	677	16086	0.17%	0.051%
32	5.119	5.114	5.122	VV	320	1516	0.02%	0.005%
33	5.127	5.122	5.132	VV	474	2116	0.02%	0.007%
34	5.146	5.132	5.162	VV	546	6944	0.07%	0.022%
35	5.184	5.162	5.200	VV	1410	16839	0.18%	0.053%
36	5.221	5.200	5.240	VV	3895	42829	0.46%	0.135%

rteres

37	5.246	5.240	5.259	VV	539	4957	0.05%	0.016%
38	5.275	5.259	5.305	VV	1319	19520	0.21%	0.062%
39	5.321	5.305	5.330	VV	579	6375	0.07%	0.020%
40	5.339	5.330	5.359	VV	800	11213	0.12%	0.035%
41	5.363	5.359	5.387	VV	698	7028	0.08%	0.022%
42	5.392	5.387	5.395	VV	318	1285	0.01%	0.004%
43	5.399	5.395	5.416	VV	314	3170	0.03%	0.010%
44	5.426	5.416	5.440	VV	415	4187	0.05%	0.013%
45	5.445	5.440	5.450	VV	304	1426	0.02%	0.004%
46	5.470	5.450	5.485	VV	717	8216	0.09%	0.026%
47	5.514	5.496	5.539	VV	697	11029	0.12%	0.035%
48	5.547	5.539	5.566	VV	403	5374	0.06%	0.017%
49	5.573	5.566	5.578	VV	483	2291	0.02%	0.007%
50	5.585	5.578	5.591	VV	434	2618	0.03%	0.008%
51	5.597	5.591	5.610	VV	427	3228	0.03%	0.010%
52	5.625	5.610	5.639	VV	600	6026	0.06%	0.019%
53	5.644	5.639	5.648	VV	483	2155	0.02%	0.007%
54	5.656	5.648	5.662	VV	692	4381	0.05%	0.014%
55	5.672	5.662	5.692	VV	774	10487	0.11%	0.033%
56	5.699	5.692	5.712	VV	589	6107	0.07%	0.019%
57	5.734	5.712	5.754	VV	1522	27183	0.29%	0.086%
58	5.770	5.754	5.787	VV	1508	20499	0.22%	0.065%
59	5.814	5.787	5.858	VV	2564	39955	0.43%	0.126%
60	5.877	5.858	5.910	VV	1398	25447	0.27%	0.080%
61	5.945	5.910	5.985	VV	1140	29173	0.31%	0.092%
62	5.993	5.985	6.010	VV	672	5807	0.06%	0.018%
63	6.024	6.010	6.029	VV	612	4677	0.05%	0.015%
64	6.036	6.029	6.041	VV	569	3268	0.04%	0.010%
65	6.044	6.041	6.074	VV	510	7823	0.08%	0.025%
66	6.084	6.074	6.104	VV	523	6216	0.07%	0.020%
67	6.118	6.104	6.125	VV	390	4410	0.05%	0.014%
68	6.152	6.125	6.178	VV	3806	45981	0.49%	0.145%
69	6.189	6.178	6.204	VV	658	8256	0.09%	0.026%
70	6.210	6.204	6.214	VV	452	2735	0.03%	0.009%
71	6.234	6.214	6.259	VV	1688	23165	0.25%	0.073%
72	6.271	6.259	6.284	VV	937	9413	0.10%	0.030%
73	6.301	6.284	6.323	VV	2936	33845	0.36%	0.107%
74	6.332	6.323	6.351	VV	1040	9292	0.10%	0.029%
75	6.371	6.351	6.394	PV	1665	18099	0.19%	0.057%
76	6.399	6.394	6.404	VV	453	2171	0.02%	0.007%
77	6.413	6.404	6.417	VV	463	3324	0.04%	0.010%
78	6.421	6.417	6.427	VV	499	2682	0.03%	0.008%
79	6.431	6.427	6.452	VV	499	5948	0.06%	0.019%
80	6.475	6.452	6.500	VV	871	13945	0.15%	0.044%
81	6.522	6.500	6.563	VV	746	13611	0.15%	0.043%
82	6.590	6.563	6.614	VV	1539	21690	0.23%	0.068%
83	6.642	6.614	6.659	VV	2313	33234	0.36%	0.105%
84	6.664	6.659	6.678	VV	1439	14332	0.15%	0.045%
85	6.689	6.678	6.698	VV	1796	18101	0.19%	0.057%
86	6.707	6.698	6.731	VV	1872	24782	0.27%	0.078%
87	6.767	6.731	6.794	VV	2809	46429	0.50%	0.146%
88	6.804	6.794	6.830	VV	815	11839	0.13%	0.037%
89	6.849	6.830	6.860	VV	724	9918	0.11%	0.031%

rteres

90	6.872	6.860	6.903	VV	933	12768	0.14%	0.040%
91	6.927	6.903	6.955	VV	5959	65665	0.71%	0.207%
92	6.958	6.955	6.963	VV	474	1664	0.02%	0.005%
93	6.988	6.963	7.018	VV	1217	24253	0.26%	0.076%
94	7.036	7.018	7.050	VV	1365	16628	0.18%	0.052%
95	7.070	7.050	7.088	VV	1627	22787	0.24%	0.072%
96	7.101	7.088	7.115	VV	694	8722	0.09%	0.027%
97	7.133	7.115	7.143	VV	1244	15101	0.16%	0.048%
98	7.158	7.143	7.200	VV	1493	21418	0.23%	0.068%
99	7.227	7.200	7.253	VV	644	9621	0.10%	0.030%
100	7.273	7.253	7.286	PV	529	5869	0.06%	0.019%
101	7.299	7.286	7.308	VV	421	4550	0.05%	0.014%
102	7.326	7.308	7.340	VV	2713	29997	0.32%	0.095%
103	7.367	7.340	7.460	VV	960609	9303893	100.00%	29.331%
104	7.471	7.460	7.476	VV	1439	13155	0.14%	0.041%
105	7.494	7.476	7.547	VV	1662	45309	0.49%	0.143%
106	7.553	7.547	7.571	VV	681	8435	0.09%	0.027%
107	7.589	7.571	7.612	VV	766	13415	0.14%	0.042%
108	7.632	7.612	7.649	VV	1270	15967	0.17%	0.050%
109	7.687	7.649	7.699	VV	811	13844	0.15%	0.044%
110	7.722	7.699	7.747	VV	697	14107	0.15%	0.044%
111	7.751	7.747	7.756	VV	478	2043	0.02%	0.006%
112	7.760	7.756	7.777	VV	384	3906	0.04%	0.012%
113	7.787	7.777	7.812	VV	367	5107	0.05%	0.016%
114	7.840	7.812	7.879	VV	922	21316	0.23%	0.067%
115	7.884	7.879	7.887	VV	362	1431	0.02%	0.005%
116	7.894	7.887	7.914	VV	588	6562	0.07%	0.021%
117	7.932	7.914	7.955	VV	3158	36775	0.40%	0.116%
118	7.963	7.955	7.979	VV	661	7444	0.08%	0.023%
119	7.986	7.979	8.004	VV	411	5056	0.05%	0.016%
120	8.025	8.004	8.060	VV	1314	28258	0.30%	0.089%
121	8.082	8.060	8.099	VV	1351	21514	0.23%	0.068%
122	8.125	8.099	8.145	VV	979	14123	0.15%	0.045%
123	8.162	8.145	8.185	VV	984	11606	0.12%	0.037%
124	8.217	8.185	8.309	VV	599608	6211758	66.77%	19.583%
125	8.314	8.309	8.366	VV	2748	73756	0.79%	0.233%
126	8.388	8.366	8.402	VV	1825	34893	0.38%	0.110%
127	8.420	8.402	8.428	VV	1608	22468	0.24%	0.071%
128	8.436	8.428	8.450	VV	1531	18245	0.20%	0.058%
129	8.468	8.450	8.472	VV	2013	21035	0.23%	0.066%
130	8.476	8.472	8.513	VV	2019	33040	0.36%	0.104%
131	8.529	8.513	8.555	VV	1282	19631	0.21%	0.062%
132	8.582	8.555	8.609	VV	1006	20873	0.22%	0.066%
133	8.650	8.609	8.677	VV	89514	908841	9.77%	2.865%
134	8.683	8.677	8.700	VV	2465	29250	0.31%	0.092%
135	8.721	8.700	8.740	VV	2864	49414	0.53%	0.156%
136	8.762	8.740	8.786	VV	4647	72400	0.78%	0.228%
137	8.799	8.786	8.819	VV	1880	30037	0.32%	0.095%
138	8.832	8.819	8.860	VV	1609	23137	0.25%	0.073%
139	8.884	8.860	8.898	VV	1007	13816	0.15%	0.044%
140	8.903	8.898	8.911	VV	600	3346	0.04%	0.011%
141	8.942	8.911	8.952	VV	738	13453	0.14%	0.042%

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142	8.962	8.952	8.976	VV	782	9336	0.10%	0.029%
143	8.982	8.976	9.003	VV	741	7160	0.08%	0.023%
144	9.035	9.003	9.042	VV	1040	16307	0.18%	0.051%
145	9.048	9.042	9.067	VV	951	10549	0.11%	0.033%
146	9.073	9.067	9.090	VV	491	5408	0.06%	0.017%
147	9.107	9.090	9.159	VV	2082	34328	0.37%	0.108%
148	9.164	9.159	9.169	VV	424	1788	0.02%	0.006%
149	9.186	9.169	9.204	VV	563	8462	0.09%	0.027%
150	9.207	9.204	9.219	VV	428	3117	0.03%	0.010%
151	9.224	9.219	9.229	VV	299	1596	0.02%	0.005%
152	9.250	9.229	9.274	VV	992	12234	0.13%	0.039%
153	9.304	9.274	9.326	VV	514	10097	0.11%	0.032%
154	9.351	9.326	9.370	VV	3249	40656	0.44%	0.128%
155	9.388	9.370	9.431	VV	10903	171844	1.85%	0.542%
156	9.436	9.431	9.459	VV	1641	21258	0.23%	0.067%
157	9.466	9.459	9.501	VV	1217	21108	0.23%	0.067%
158	9.521	9.501	9.554	VV	1985	28710	0.31%	0.091%
159	9.559	9.554	9.578	VV	274	3292	0.04%	0.010%
160	9.592	9.578	9.596	VV	618	5021	0.05%	0.016%
161	9.604	9.596	9.614	VV	744	6731	0.07%	0.021%
162	9.620	9.614	9.642	VV	656	7695	0.08%	0.024%
163	9.649	9.642	9.653	VV	441	2529	0.03%	0.008%
164	9.659	9.653	9.674	VV	473	5015	0.05%	0.016%
165	9.676	9.674	9.682	VV	453	1879	0.02%	0.006%
166	9.687	9.682	9.719	VV	451	5920	0.06%	0.019%
167	9.729	9.719	9.742	PV	263	1968	0.02%	0.006%
168	9.744	9.742	9.759	VV	313	1916	0.02%	0.006%
169	9.772	9.759	9.779	VV	381	3446	0.04%	0.011%
170	9.793	9.779	9.811	VV	427	7253	0.08%	0.023%
171	9.838	9.811	9.857	VV	885	16205	0.17%	0.051%
172	9.866	9.857	9.875	VV	566	5085	0.05%	0.016%
173	9.910	9.875	9.928	VV	1009	20298	0.22%	0.064%
174	9.947	9.928	9.963	VV	948	16055	0.17%	0.051%
175	9.975	9.963	9.980	VV	811	7040	0.08%	0.022%
176	9.999	9.980	10.009	VV	864	12263	0.13%	0.039%
177	10.023	10.009	10.054	VV	2202	29369	0.32%	0.093%
178	10.065	10.054	10.082	VV	634	7088	0.08%	0.022%
179	10.106	10.082	10.110	VV	1358	15173	0.16%	0.048%
180	10.114	10.110	10.131	VV	1405	14020	0.15%	0.044%
181	10.155	10.131	10.172	VV	1318	26526	0.29%	0.084%
182	10.195	10.172	10.214	VV	1278	25662	0.28%	0.081%
183	10.219	10.214	10.236	VV	1334	15632	0.17%	0.049%
184	10.252	10.236	10.287	VV	1281	29240	0.31%	0.092%
185	10.310	10.287	10.324	VV	1202	18770	0.20%	0.059%
186	10.346	10.324	10.359	VV	1376	22760	0.24%	0.072%
187	10.378	10.359	10.403	VV	2794	44117	0.47%	0.139%
188	10.432	10.403	10.460	VV	947	22755	0.24%	0.072%
189	10.474	10.460	10.490	VV	842	11967	0.13%	0.038%
190	10.501	10.490	10.517	VV	571	7467	0.08%	0.024%
191	10.538	10.517	10.553	VV	949	14332	0.15%	0.045%
192	10.558	10.553	10.607	VV	919	22362	0.24%	0.070%
193	10.613	10.607	10.636	VV	745	9139	0.10%	0.029%
194	10.649	10.636	10.655	VV	745	7298	0.08%	0.023%

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195	10.676	10.655	10.701	VV	1307	22081	0.24%	0.070%
196	10.707	10.701	10.727	VV	610	5931	0.06%	0.019%
197	10.744	10.727	10.754	VV	582	7056	0.08%	0.022%
198	10.765	10.754	10.774	VV	553	4689	0.05%	0.015%
199	10.776	10.774	10.783	VV	341	1548	0.02%	0.005%
200	10.807	10.783	10.820	VV	368	5851	0.06%	0.018%
201	10.824	10.820	10.845	VV	322	2858	0.03%	0.009%
202	10.850	10.845	10.866	VV	288	2353	0.03%	0.007%
203	10.885	10.866	10.910	VV	1010	13332	0.14%	0.042%
204	10.953	10.910	10.983	VV	2151	33964	0.37%	0.107%
205	11.004	10.983	11.017	VV	572	8791	0.09%	0.028%
206	11.035	11.017	11.081	VV	969	20609	0.22%	0.065%
207	11.088	11.081	11.097	VV	429	2381	0.03%	0.008%
208	11.101	11.097	11.123	VV	327	3129	0.03%	0.010%
209	11.145	11.123	11.167	PV	563	8956	0.10%	0.028%
210	11.184	11.167	11.214	VV	447	8186	0.09%	0.026%
211	11.251	11.214	11.302	VV	525080	5542829	59.58%	17.474%
212	11.305	11.302	11.324	VV	1127	13182	0.14%	0.042%
213	11.336	11.324	11.365	VV	1353	25764	0.28%	0.081%
214	11.373	11.365	11.394	VV	961	13924	0.15%	0.044%
215	11.420	11.394	11.460	VV	1611	34056	0.37%	0.107%
216	11.468	11.460	11.494	VV	635	10045	0.11%	0.032%
217	11.515	11.494	11.532	VV	766	13502	0.15%	0.043%
218	11.538	11.532	11.554	VV	616	7343	0.08%	0.023%
219	11.581	11.554	11.595	VV	1263	22594	0.24%	0.071%
220	11.608	11.595	11.631	VV	1711	24778	0.27%	0.078%
221	11.673	11.631	11.697	VV	5855	85011	0.91%	0.268%
222	11.708	11.697	11.731	VV	1015	15554	0.17%	0.049%
223	11.747	11.731	11.761	VV	892	13035	0.14%	0.041%
224	11.772	11.761	11.795	VV	849	12181	0.13%	0.038%
225	11.830	11.795	11.846	VV	2063	37669	0.40%	0.119%
226	11.868	11.846	11.939	VV	15570	230451	2.48%	0.727%
227	11.944	11.939	11.972	VV	991	15024	0.16%	0.047%
228	11.983	11.972	11.990	VV	832	8484	0.09%	0.027%
229	12.018	11.990	12.041	VV	912	24356	0.26%	0.077%
230	12.090	12.041	12.099	VV	1613	37088	0.40%	0.117%
231	12.121	12.099	12.141	VV	6526	89503	0.96%	0.282%
232	12.160	12.141	12.180	VV	6325	79157	0.85%	0.250%
233	12.194	12.180	12.222	VV	1839	26135	0.28%	0.082%
234	12.254	12.222	12.292	VV	2679	48030	0.52%	0.151%
235	12.318	12.292	12.375	VV	1993	47844	0.51%	0.151%
236	12.383	12.375	12.422	VV	650	12737	0.14%	0.040%
237	12.425	12.422	12.439	VV	307	1574	0.02%	0.005%
238	12.450	12.439	12.462	PV	271	2507	0.03%	0.008%
239	12.475	12.462	12.480	VV	398	3030	0.03%	0.010%
240	12.491	12.480	12.495	VV	369	2812	0.03%	0.009%
241	12.533	12.495	12.554	VV	944	20070	0.22%	0.063%
242	12.556	12.554	12.573	VV	530	5168	0.06%	0.016%
243	12.580	12.573	12.591	VV	595	4508	0.05%	0.014%
244	12.618	12.591	12.646	VV	14091	174712	1.88%	0.551%
245	12.692	12.646	12.727	VV	127342	1516960	16.30%	4.782%
246	12.741	12.727	12.765	VV	1241	24903	0.27%	0.079%

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247	12.772	12.765	12.801	VV	1072	16302	0.18%	0.051%
248	12.808	12.801	12.816	VV	628	5084	0.05%	0.016%
249	12.819	12.816	12.821	VV	603	1868	0.02%	0.006%
250	12.828	12.821	12.840	VV	632	6398	0.07%	0.020%
251	12.860	12.840	12.889	VV	1108	25866	0.28%	0.082%
252	12.919	12.889	12.959	VV	3809	70620	0.76%	0.223%
253	12.970	12.959	12.987	VV	897	13913	0.15%	0.044%
254	12.996	12.987	13.025	VV	821	15098	0.16%	0.048%
255	13.031	13.025	13.034	VV	600	2777	0.03%	0.009%
256	13.057	13.034	13.063	VV	998	14913	0.16%	0.047%
257	13.093	13.063	13.139	VV	4589	98890	1.06%	0.312%
258	13.147	13.139	13.176	VV	1535	22866	0.25%	0.072%
259	13.183	13.176	13.205	VV	811	11353	0.12%	0.036%
260	13.208	13.205	13.215	VV	658	3905	0.04%	0.012%
261	13.224	13.215	13.258	VV	799	16941	0.18%	0.053%
262	13.291	13.258	13.338	VV	3415	72552	0.78%	0.229%
263	13.361	13.338	13.367	VV	882	12712	0.14%	0.040%
264	13.395	13.367	13.425	VV	2386	45803	0.49%	0.144%
265	13.445	13.425	13.475	VV	2801	39676	0.43%	0.125%
266	13.481	13.475	13.525	VV	513	11162	0.12%	0.035%
267	13.548	13.525	13.554	VV	454	6213	0.07%	0.020%
268	13.558	13.554	13.567	VV	464	3208	0.03%	0.010%
269	13.570	13.567	13.592	VV	445	5245	0.06%	0.017%
270	13.599	13.592	13.614	VV	352	4271	0.05%	0.013%
271	13.621	13.614	13.652	VV	449	7357	0.08%	0.023%
272	13.661	13.652	13.667	VV	461	3384	0.04%	0.011%
273	13.675	13.667	13.697	VV	575	6835	0.07%	0.022%
274	13.735	13.697	13.762	VV	630	15559	0.17%	0.049%
275	13.780	13.762	13.790	VV	572	7196	0.08%	0.023%
276	13.804	13.790	13.826	VV	799	12147	0.13%	0.038%
277	13.876	13.826	13.904	VV	1526	44588	0.48%	0.141%
278	13.905	13.904	13.927	VV	884	9689	0.10%	0.031%
279	13.936	13.927	13.953	VV	718	9777	0.11%	0.031%
280	13.961	13.953	13.982	VV	685	11281	0.12%	0.036%
281	14.004	13.982	14.027	VV	1432	24710	0.27%	0.078%
282	14.033	14.027	14.035	VV	675	2853	0.03%	0.009%
283	14.042	14.035	14.055	VV	723	7710	0.08%	0.024%
284	14.072	14.055	14.077	VV	644	7843	0.08%	0.025%
285	14.098	14.077	14.120	VV	1390	26822	0.29%	0.085%
286	14.126	14.120	14.130	VV	901	5007	0.05%	0.016%
287	14.139	14.130	14.159	VV	1053	15404	0.17%	0.049%
288	14.174	14.159	14.192	VV	872	14142	0.15%	0.045%
289	14.217	14.192	14.239	VV	1052	23899	0.26%	0.075%
290	14.244	14.239	14.248	VV	924	4637	0.05%	0.015%
291	14.253	14.248	14.283	VV	1029	17615	0.19%	0.056%
292	14.304	14.283	14.320	VV	1225	20719	0.22%	0.065%
293	14.323	14.320	14.334	VV	1082	6929	0.07%	0.022%
294	14.347	14.334	14.372	VV	1064	17610	0.19%	0.056%
295	14.388	14.372	14.401	VV	747	10180	0.11%	0.032%
296	14.409	14.401	14.417	VV	612	5506	0.06%	0.017%
297	14.427	14.417	14.434	VV	713	6029	0.06%	0.019%
298	14.441	14.434	14.474	VV	840	16259	0.17%	0.051%
299	14.501	14.474	14.521	VV	2173	37351	0.40%	0.118%

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300	14.541	14.521	14.577	VV	3331	56767	0.61%	0.179%
301	14.586	14.577	14.612	VV	1151	16048	0.17%	0.051%
302	14.629	14.612	14.639	VV	539	7655	0.08%	0.024%
303	14.642	14.639	14.648	VV	641	3046	0.03%	0.010%
304	14.659	14.648	14.692	VV	595	12454	0.13%	0.039%
305	14.714	14.692	14.739	VV	709	15784	0.17%	0.050%
306	14.749	14.739	14.780	VV	708	11320	0.12%	0.036%
307	14.815	14.780	14.830	VV	497	9982	0.11%	0.031%
308	14.844	14.830	14.864	VV	542	7938	0.09%	0.025%
309	14.867	14.864	14.878	VV	405	2724	0.03%	0.009%
310	14.918	14.878	14.996	VV	15906	334367	3.59%	1.054%
311	15.001	14.996	15.012	VV	1260	11581	0.12%	0.037%
312	15.023	15.012	15.039	VV	1356	19277	0.21%	0.061%
313	15.069	15.039	15.097	VV	5781	96836	1.04%	0.305%
314	15.107	15.097	15.130	VV	853	12987	0.14%	0.041%
315	15.156	15.130	15.172	VV	805	14347	0.15%	0.045%
316	15.181	15.172	15.189	VV	748	6239	0.07%	0.020%
317	15.192	15.189	15.224	VV	739	11221	0.12%	0.035%
318	15.257	15.224	15.282	VV	1247	25450	0.27%	0.080%
319	15.302	15.282	15.329	VV	589	11329	0.12%	0.036%
320	15.386	15.329	15.392	VV	936	24252	0.26%	0.076%
321	15.405	15.392	15.430	VV	876	17195	0.18%	0.054%
322	15.449	15.430	15.471	VV	954	17833	0.19%	0.056%
323	15.478	15.471	15.497	VV	631	7357	0.08%	0.023%
324	15.518	15.497	15.535	VV	1269	20035	0.22%	0.063%
325	15.557	15.535	15.590	VV	3200	50899	0.55%	0.160%
326	15.604	15.590	15.613	VV	1037	9917	0.11%	0.031%
327	15.618	15.613	15.650	VV	930	8405	0.09%	0.026%
328	15.667	15.650	15.681	VV	290	2919	0.03%	0.009%
329	15.710	15.688	15.717	VV	409	3662	0.04%	0.012%
330	15.720	15.717	15.724	VV	332	1162	0.01%	0.004%
331	15.734	15.724	15.752	VV	320	3862	0.04%	0.012%
332	15.756	15.752	15.769	VV	181	1544	0.02%	0.005%
333	15.777	15.769	15.799	VV	252	2561	0.03%	0.008%
334	15.807	15.799	15.819	VV	345	2658	0.03%	0.008%
335	15.824	15.819	15.834	VV	275	1702	0.02%	0.005%
336	15.858	15.834	15.865	VV	322	3993	0.04%	0.013%
337	15.869	15.865	15.884	VV	378	2628	0.03%	0.008%
338	15.930	15.884	15.995	PV	4418	107403	1.15%	0.339%
339	16.006	15.995	16.017	VV	774	8519	0.09%	0.027%
340	16.038	16.017	16.084	VV	2340	41530	0.45%	0.131%
341	16.114	16.084	16.139	VV	3120	48287	0.52%	0.152%
342	16.143	16.139	16.148	VV	403	1856	0.02%	0.006%
343	16.179	16.148	16.212	VV	1075	27108	0.29%	0.085%
344	16.223	16.212	16.252	VV	1031	18250	0.20%	0.058%
345	16.256	16.252	16.262	VV	690	3646	0.04%	0.011%
346	16.268	16.262	16.294	VV	854	13190	0.14%	0.042%
347	16.318	16.294	16.335	VV	1666	27072	0.29%	0.085%
348	16.356	16.335	16.374	VV	1174	19817	0.21%	0.062%
349	16.393	16.374	16.396	VV	1215	13563	0.15%	0.043%
350	16.413	16.396	16.421	VV	1443	17952	0.19%	0.057%
351	16.428	16.421	16.444	VV	802	9347	0.10%	0.029%

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352	16.469	16.444	16.481	VV	1750	28535	0.31%	0.090%
353	16.502	16.481	16.522	VV	3358	53202	0.57%	0.168%
354	16.544	16.522	16.565	VV	10906	143598	1.54%	0.453%
355	16.576	16.565	16.685	VV	2603	54152	0.58%	0.171%
356	16.697	16.685	16.700	VV	288	1978	0.02%	0.006%
357	16.706	16.700	16.724	VV	325	3320	0.04%	0.010%
358	16.739	16.724	16.753	PV	207	1882	0.02%	0.006%
359	16.803	16.753	16.830	VV	1195	24596	0.26%	0.078%
360	16.869	16.830	16.915	VV	2062	47427	0.51%	0.150%
361	16.948	16.915	16.975	VV	3864	63300	0.68%	0.200%
362	16.988	16.975	17.000	VV	496	5517	0.06%	0.017%
363	17.029	17.000	17.050	VV	740	14438	0.16%	0.046%
364	17.052	17.050	17.065	VV	728	4965	0.05%	0.016%
365	17.075	17.065	17.119	VV	617	13154	0.14%	0.041%
366	17.128	17.119	17.150	VV	451	6526	0.07%	0.021%
367	17.152	17.150	17.159	VV	385	1020	0.01%	0.003%
368	17.188	17.159	17.212	VV	527	10637	0.11%	0.034%
369	17.241	17.212	17.265	VV	433	10079	0.11%	0.032%
370	17.272	17.265	17.301	VV	521	8213	0.09%	0.026%
371	17.383	17.301	17.413	VV	3898	88259	0.95%	0.278%
372	17.430	17.413	17.437	VV	459	5350	0.06%	0.017%
373	17.471	17.437	17.505	VV	4029	62768	0.67%	0.198%
374	17.551	17.505	17.635	VV	11931	247454	2.66%	0.780%
375	17.646	17.635	17.653	VV	594	4847	0.05%	0.015%
376	17.699	17.653	17.718	VV	15744	225546	2.42%	0.711%
377	17.737	17.718	17.785	VV	12686	277021	2.98%	0.873%
378	17.804	17.785	17.837	VV	5229	92226	0.99%	0.291%
379	17.846	17.837	17.864	VV	709	8695	0.09%	0.027%
380	17.889	17.864	17.911	VV	1502	27813	0.30%	0.088%
381	17.923	17.911	17.945	VV	942	14548	0.16%	0.046%
382	17.950	17.945	17.961	VV	429	2916	0.03%	0.009%
383	17.964	17.961	17.968	VV	284	1104	0.01%	0.003%
384	18.009	17.968	18.076	VV	1199	38567	0.41%	0.122%
385	18.096	18.076	18.100	PV	527	4912	0.05%	0.015%
386	18.113	18.100	18.134	VV	466	6643	0.07%	0.021%
387	18.160	18.134	18.184	PV	1663	23858	0.26%	0.075%

Sum of corrected areas: 31720572

Aromatic EPH 111424.M Tue Nov 19 06:18:23 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014869.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 13:43
Operator : YP\AJ
Sample : P4860-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PH2-BOT-001

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/21/2024

Integration File: autoint1.e
Quant Time: Nov 20 00:36:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 16:33:02 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...	13.387	4711588	42.398 ug/mlm
Spiked Amount 50.000		Recovery = 84.80%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

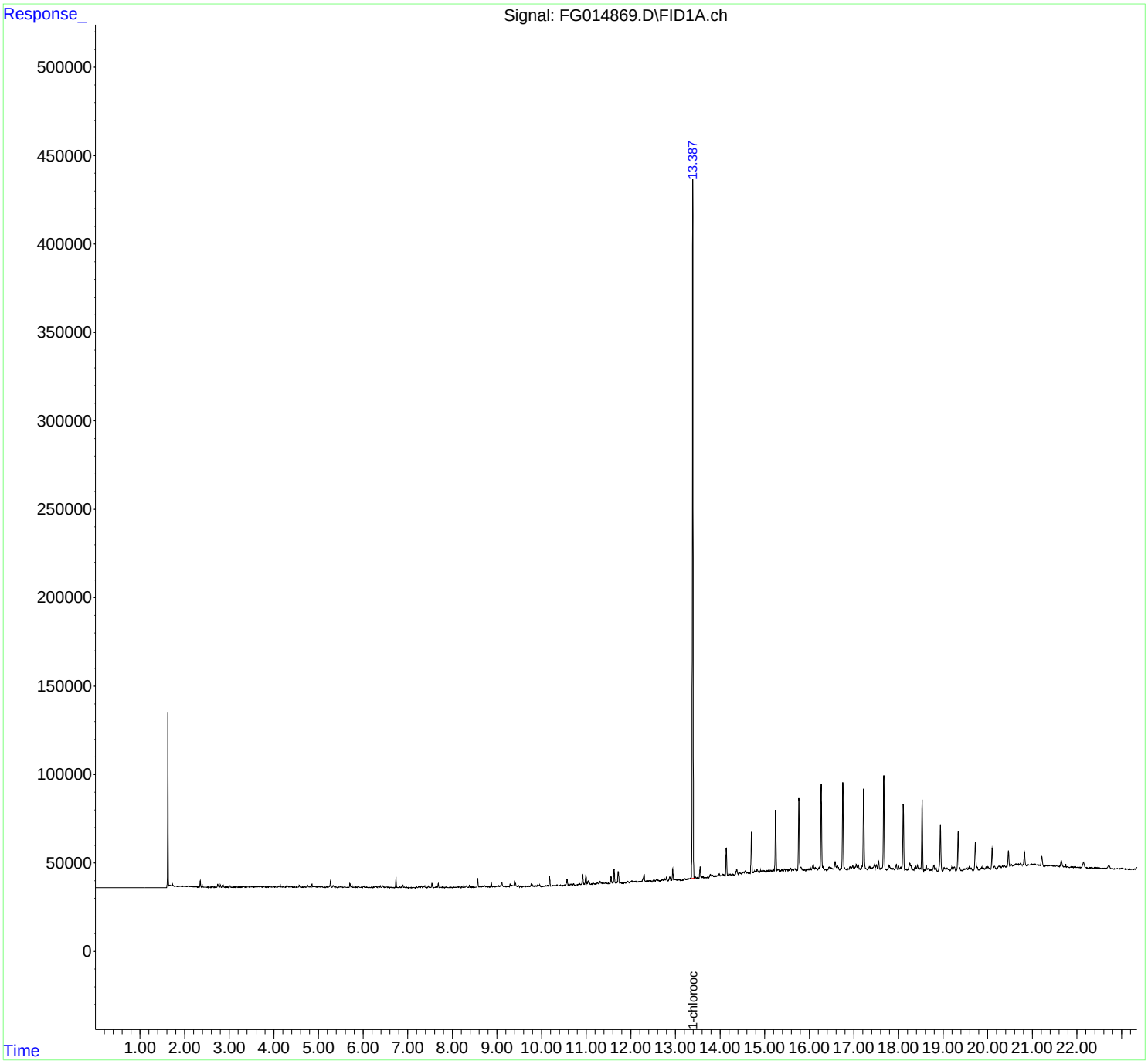
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014869.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 13:43
Operator : YP\AJ
Sample : P4860-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

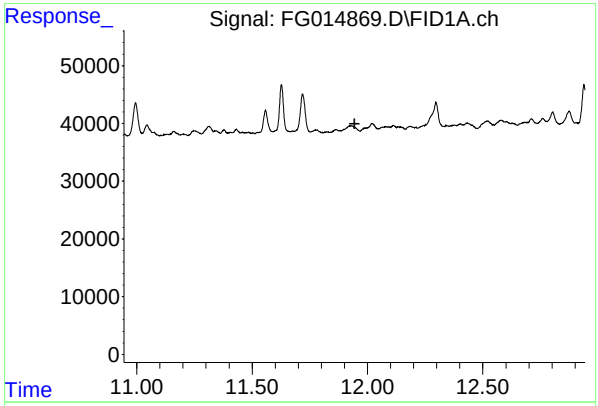
Integration File: autoint1.e
Quant Time: Nov 20 00:36:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 16:33:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_G
ClientSampleId :
PH2-BOT-001

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/21/2024





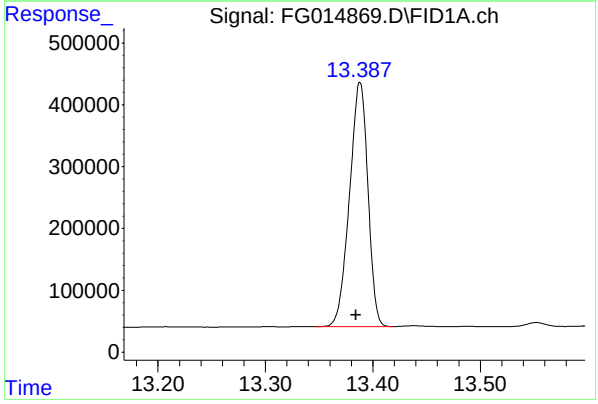
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.944 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
PH2-BOT-001

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/21/2024



#12 1-chlorooctadecane (SURR)

R.T.: 13.387 min
Delta R.T.: 0.003 min
Response: 4711588
Conc: 42.40 ug/ml m

9

Instrument :
FID_G
ClientSampleId :
PH2-BOT-001

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/21/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG11192
Data File : FG014869.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 13:43
Sample : P4860-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.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	3.284	3.222	3.289	BV	53	613	0.01%	0.002%
2	3.296	3.289	3.302	VV	83	418	0.01%	0.001%
3	3.322	3.302	3.357	VV	329	4949	0.10%	0.015%
4	3.436	3.357	3.452	PV	124	4326	0.09%	0.013%
5	3.462	3.452	3.487	VV	164	2335	0.05%	0.007%
6	3.498	3.487	3.512	VV	129	1861	0.04%	0.006%
7	3.569	3.512	3.599	VV	266	8725	0.18%	0.027%
8	3.631	3.599	3.642	VV	264	5221	0.11%	0.016%
9	3.656	3.642	3.665	VV	275	3277	0.07%	0.010%
10	3.676	3.665	3.691	VV	250	3268	0.07%	0.010%
11	3.710	3.691	3.742	VV	390	7399	0.15%	0.023%
12	3.767	3.742	3.813	VV	422	8411	0.18%	0.026%
13	3.849	3.813	3.882	VV	250	6072	0.13%	0.019%
14	3.904	3.882	3.942	VV	364	7164	0.15%	0.022%
15	3.958	3.942	3.981	VV	172	2600	0.05%	0.008%
16	4.001	3.981	4.026	VV	278	5335	0.11%	0.017%
17	4.033	4.026	4.066	VV	227	3335	0.07%	0.010%
18	4.111	4.066	4.128	VV	794	11216	0.23%	0.035%
19	4.145	4.128	4.165	VV	982	11355	0.24%	0.035%
20	4.181	4.165	4.201	VV	226	3612	0.08%	0.011%
21	4.220	4.201	4.252	VV	365	5908	0.12%	0.018%
22	4.293	4.252	4.304	VV	755	10556	0.22%	0.033%
23	4.315	4.304	4.329	VV	813	8414	0.18%	0.026%
24	4.339	4.329	4.369	VV	362	5904	0.12%	0.018%
25	4.398	4.369	4.438	VV	458	8251	0.17%	0.026%
26	4.468	4.438	4.495	VV	302	5361	0.11%	0.017%
27	4.510	4.495	4.544	VV	259	5185	0.11%	0.016%
28	4.570	4.544	4.595	VV	1216	15297	0.32%	0.047%
29	4.607	4.595	4.624	VV	294	3470	0.07%	0.011%
30	4.644	4.624	4.668	VV	232	4202	0.09%	0.013%
31	4.696	4.668	4.712	VV	406	6314	0.13%	0.020%
32	4.758	4.712	4.785	VV	1076	18019	0.38%	0.056%
33	4.791	4.785	4.804	VV	334	3101	0.06%	0.010%
34	4.822	4.804	4.836	VV	908	10605	0.22%	0.033%
35	4.854	4.836	4.873	VV	2002	21909	0.46%	0.068%
36	4.891	4.873	4.903	VV	511	7811	0.16%	0.024%

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Instrument :
FID_G
ClientSampleId :
PH2-BOT-001

Manual IntegrationsAPPROVED

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A B C D E F G H I J

rteres

37	4.914	4.903	4.948	VV	435	10013	0.21%	0.031%
38	4.991	4.948	5.016	VV	816	18993	0	
39	5.029	5.016	5.048	VV	452	7182	0	
40	5.081	5.048	5.116	VV	492	12112	0	
41	5.145	5.116	5.165	VV	258	4314	0	
42	5.183	5.165	5.199	VV	534	5936	0	
43	5.214	5.199	5.229	VV	553	6866	0.14%	0.021%
44	5.272	5.229	5.302	VV	3921	56972	1.19%	0.177%
45	5.330	5.302	5.375	VV	1246	22654	0.47%	0.070%
46	5.388	5.375	5.427	VV	588	7645	0.16%	0.024%
47	5.458	5.427	5.468	PV	361	5053	0.11%	0.016%
48	5.486	5.468	5.500	VV	443	6976	0.15%	0.022%
49	5.515	5.500	5.538	VV	512	7866	0.16%	0.024%
50	5.549	5.538	5.565	VV	297	3994	0.08%	0.012%
51	5.582	5.565	5.599	VV	428	6260	0.13%	0.019%
52	5.611	5.599	5.633	VV	291	4415	0.09%	0.014%
53	5.649	5.633	5.682	VV	305	5572	0.12%	0.017%
54	5.706	5.682	5.732	VV	2374	30342	0.63%	0.094%
55	5.751	5.732	5.772	VV	1193	14388	0.30%	0.045%
56	5.785	5.772	5.795	VV	212	2362	0.05%	0.007%
57	5.811	5.795	5.845	VV	301	6889	0.14%	0.021%
58	5.859	5.845	5.867	VV	272	2869	0.06%	0.009%
59	5.895	5.867	5.942	VV	728	17393	0.36%	0.054%
60	5.970	5.942	5.985	VV	339	5793	0.12%	0.018%
61	6.009	5.985	6.052	VV	785	16970	0.35%	0.053%
62	6.075	6.052	6.109	VV	424	7979	0.17%	0.025%
63	6.139	6.109	6.160	VV	309	4905	0.10%	0.015%
64	6.188	6.160	6.204	PV	420	4714	0.10%	0.015%
65	6.239	6.204	6.258	VV	520	8934	0.19%	0.028%
66	6.294	6.258	6.317	VV	754	18324	0.38%	0.057%
67	6.339	6.317	6.362	VV	758	11690	0.24%	0.036%
68	6.383	6.362	6.411	VV	1192	16085	0.34%	0.050%
69	6.445	6.411	6.466	VV	1162	19181	0.40%	0.059%
70	6.475	6.466	6.499	VV	412	6080	0.13%	0.019%
71	6.529	6.499	6.547	VV	477	10246	0.21%	0.032%
72	6.561	6.547	6.595	VV	358	7117	0.15%	0.022%
73	6.613	6.595	6.648	VV	380	7237	0.15%	0.022%
74	6.659	6.648	6.714	VV	174	5199	0.11%	0.016%
75	6.738	6.714	6.808	VV	4939	55237	1.15%	0.171%
76	6.826	6.808	6.845	VV	648	7036	0.15%	0.022%
77	6.862	6.845	6.873	VV	434	4184	0.09%	0.013%
78	6.893	6.873	6.914	VV	1641	18774	0.39%	0.058%
79	6.929	6.914	6.948	VV	533	5907	0.12%	0.018%
80	6.967	6.948	7.004	VV	645	7891	0.16%	0.024%
81	7.022	7.004	7.042	VV	208	2707	0.06%	0.008%
82	7.070	7.042	7.095	VV	253	4269	0.09%	0.013%
83	7.142	7.095	7.165	VV	213	4308	0.09%	0.013%
84	7.195	7.165	7.224	PV	631	8813	0.18%	0.027%
85	7.249	7.224	7.264	VV	912	12224	0.26%	0.038%
86	7.271	7.264	7.286	VV	602	6565	0.14%	0.020%
87	7.311	7.286	7.340	VV	876	17058	0.36%	0.053%
88	7.378	7.340	7.402	VV	1158	21505	0.45%	0.067%
89	7.416	7.402	7.436	VV	501	5733	0.12%	0.018%

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Instrument :
FID_G
ClientSampleId :
PH2-BOT-001

Manual IntegrationsAPPROVED

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rteres

90	7.461	7.436	7.502	VV	1007	16139	0.34%	0.050%
91	7.544	7.502	7.592	VV	2439	32333		
92	7.624	7.592	7.634	VV	276	5743		
93	7.652	7.634	7.665	VV	535	6613		
94	7.686	7.665	7.712	VV	2411	26515		
95	7.751	7.712	7.763	VV	338	5600		
96	7.780	7.763	7.805	VV	538	6785	0.14%	0.021%
97	7.813	7.805	7.835	VV	154	2246	0.05%	0.007%
98	7.863	7.835	7.888	VV	435	7499	0.16%	0.023%
99	7.900	7.888	7.925	VV	163	1549	0.03%	0.005%
100	7.952	7.925	7.990	PV	925	11648	0.24%	0.036%
101	8.032	7.990	8.043	VV	278	5697	0.12%	0.018%
102	8.055	8.043	8.067	VV	247	2651	0.06%	0.008%
103	8.088	8.067	8.099	VV	281	3769	0.08%	0.012%
104	8.119	8.099	8.135	VV	400	6264	0.13%	0.019%
105	8.149	8.135	8.160	VV	424	4986	0.10%	0.015%
106	8.172	8.160	8.191	VV	423	4627	0.10%	0.014%
107	8.217	8.191	8.236	VV	524	6329	0.13%	0.020%
108	8.262	8.236	8.283	VV	1166	13847	0.29%	0.043%
109	8.317	8.283	8.342	VV	1063	16545	0.35%	0.051%
110	8.360	8.342	8.369	VV	226	2662	0.06%	0.008%
111	8.389	8.369	8.413	VV	1479	16847	0.35%	0.052%
112	8.442	8.413	8.462	VV	266	5377	0.11%	0.017%
113	8.476	8.462	8.502	VV	514	6127	0.13%	0.019%
114	8.519	8.502	8.532	VV	222	2861	0.06%	0.009%
115	8.570	8.532	8.596	VV	5159	60519	1.26%	0.188%
116	8.621	8.596	8.646	VV	412	8656	0.18%	0.027%
117	8.688	8.646	8.703	VV	619	14940	0.31%	0.046%
118	8.727	8.703	8.748	VV	1025	16550	0.35%	0.051%
119	8.765	8.748	8.788	VV	515	7765	0.16%	0.024%
120	8.807	8.788	8.834	VV	477	7847	0.16%	0.024%
121	8.874	8.834	8.894	VV	2540	31375	0.65%	0.097%
122	8.926	8.894	8.950	VV	534	13383	0.28%	0.041%
123	8.994	8.950	9.005	VV	509	14293	0.30%	0.044%
124	9.030	9.005	9.049	VV	1130	20048	0.42%	0.062%
125	9.066	9.049	9.078	VV	862	10613	0.22%	0.033%
126	9.111	9.078	9.152	VV	2974	53879	1.12%	0.167%
127	9.163	9.152	9.213	VV	640	14174	0.30%	0.044%
128	9.232	9.213	9.246	VV	472	6503	0.14%	0.020%
129	9.259	9.246	9.275	VV	445	5777	0.12%	0.018%
130	9.297	9.275	9.316	VV	1876	23610	0.49%	0.073%
131	9.335	9.316	9.365	VV	1083	22662	0.47%	0.070%
132	9.399	9.365	9.462	VV	3745	82029	1.71%	0.254%
133	9.486	9.462	9.511	VV	938	13783	0.29%	0.043%
134	9.534	9.511	9.567	VV	472	7671	0.16%	0.024%
135	9.593	9.567	9.616	PV	447	8054	0.17%	0.025%
136	9.621	9.616	9.630	VV	344	2801	0.06%	0.009%
137	9.662	9.630	9.672	VV	394	7326	0.15%	0.023%
138	9.702	9.672	9.741	VV	663	15041	0.31%	0.047%
139	9.772	9.741	9.830	VV	1669	40758	0.85%	0.126%
140	9.860	9.830	9.884	VV	799	15624	0.33%	0.048%
141	9.906	9.884	9.925	VV	1011	13718	0.29%	0.043%

9

Instrument :
FID_G
ClientSampleId :
PH2-BOT-001

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/21/2024

rteres

142	9.959	9.925	9.984	VV	1010	18250	0.38%	0.057%
143	9.996	9.984	10.005	PV	98	904		
144	10.022	10.005	10.033	VV	129	1446		
145	10.048	10.033	10.067	VV	192	2073		
146	10.099	10.067	10.117	PV	603	7879		
147	10.137	10.117	10.157	VV	482	8383		
148	10.181	10.157	10.225	VV	5462	63074	1.32%	0.196%
149	10.255	10.225	10.264	VV	441	7437	0.16%	0.023%
150	10.282	10.264	10.304	VV	450	8188	0.17%	0.025%
151	10.350	10.304	10.379	VV	706	13679	0.29%	0.042%
152	10.423	10.379	10.442	VV	578	8001	0.17%	0.025%
153	10.459	10.442	10.475	VV	296	3615	0.08%	0.011%
154	10.530	10.475	10.542	VV	628	11434	0.24%	0.035%
155	10.572	10.542	10.598	VV	3835	58887	1.23%	0.183%
156	10.618	10.598	10.636	VV	785	12271	0.26%	0.038%
157	10.660	10.636	10.685	VV	927	16577	0.35%	0.051%
158	10.718	10.685	10.748	VV	1037	16690	0.35%	0.052%
159	10.783	10.748	10.796	VV	397	7412	0.15%	0.023%
160	10.818	10.796	10.828	VV	491	7533	0.16%	0.023%
161	10.852	10.828	10.884	VV	963	20725	0.43%	0.064%
162	10.921	10.884	10.960	VV	5978	88684	1.85%	0.275%
163	10.995	10.960	11.023	VV	6100	100225	2.09%	0.311%
164	11.044	11.023	11.108	VV	2220	53107	1.11%	0.165%
165	11.160	11.108	11.188	VV	1011	28685	0.60%	0.089%
166	11.202	11.188	11.222	VV	505	8328	0.17%	0.026%
167	11.251	11.222	11.281	VV	1060	25722	0.54%	0.080%
168	11.312	11.281	11.332	VV	1751	36678	0.77%	0.114%
169	11.343	11.332	11.362	VV	954	14513	0.30%	0.045%
170	11.378	11.362	11.395	VV	1137	15669	0.33%	0.049%
171	11.431	11.395	11.465	VV	1116	28762	0.60%	0.089%
172	11.483	11.465	11.512	VV	549	13128	0.27%	0.041%
173	11.558	11.512	11.590	VV	4337	70878	1.48%	0.220%
174	11.627	11.590	11.666	VV	8733	121780	2.54%	0.378%
175	11.676	11.666	11.682	VV	659	5821	0.12%	0.018%
176	11.719	11.682	11.752	VV	6995	114038	2.38%	0.354%
177	11.779	11.752	11.807	VV	732	17080	0.36%	0.053%
178	11.827	11.807	11.835	VV	362	5236	0.11%	0.016%
179	11.863	11.835	11.875	VV	727	12251	0.26%	0.038%
180	11.929	11.875	11.967	VV	1345	48507	1.01%	0.150%
181	12.020	11.967	12.049	VV	1647	48109	1.00%	0.149%
182	12.078	12.049	12.097	VV	1064	27467	0.57%	0.085%
183	12.112	12.097	12.135	VV	1232	23495	0.49%	0.073%
184	12.141	12.135	12.164	VV	981	14100	0.29%	0.044%
185	12.185	12.164	12.218	VV	1017	27326	0.57%	0.085%
186	12.297	12.218	12.335	VV	5058	140284	2.93%	0.435%
187	12.343	12.335	12.355	VV	993	11151	0.23%	0.035%
188	12.402	12.355	12.419	VV	1269	40956	0.85%	0.127%
189	12.432	12.419	12.476	VV	1377	34116	0.71%	0.106%
190	12.520	12.476	12.548	VV	1669	50589	1.06%	0.157%
191	12.579	12.548	12.650	VV	1744	79399	1.66%	0.246%
192	12.682	12.650	12.691	VV	1296	27917	0.58%	0.087%
193	12.711	12.691	12.739	VV	1882	40332	0.84%	0.125%
194	12.760	12.739	12.777	VV	1912	35213	0.73%	0.109%

9

Instrument :
FID_G
ClientSampleId :
PH2-BOT-001

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/21/2024

rteres

195	12.802	12.777	12.833	VV	2959	59752	1.25%	0.185%
196	12.874	12.833	12.912	VV	3041	77724		
197	12.939	12.912	12.964	VV	7627	107879		
198	12.997	12.964	13.035	VV	1410	55331		
199	13.055	13.035	13.073	VV	1494	30671		
200	13.087	13.073	13.129	VV	1368	34860		
201	13.208	13.129	13.252	VV	1681	87587	1.83%	0.272%
202	13.266	13.252	13.283	VV	1561	25006	0.52%	0.078%
203	13.303	13.283	13.318	VV	1775	30995	0.65%	0.096%
204	13.336	13.318	13.345	VV	2022	28932	0.60%	0.090%
205	13.388	13.345	13.420	VV	398618	4792081	100.00%	14.860%
206	13.438	13.420	13.469	VV	3136	69581	1.45%	0.216%
207	13.489	13.469	13.509	VV	2060	43642	0.91%	0.135%
208	13.552	13.509	13.578	VV	8209	151565	3.16%	0.470%
209	13.605	13.578	13.645	VV	2464	88176	1.84%	0.273%
210	13.661	13.645	13.675	VV	2063	35389	0.74%	0.110%
211	13.686	13.675	13.704	VV	2026	32726	0.68%	0.101%
212	13.721	13.704	13.740	VV	2332	42725	0.89%	0.132%
213	13.782	13.740	13.805	VV	3745	108518	2.26%	0.336%
214	13.828	13.805	13.885	VV	3202	132143	2.76%	0.410%
215	13.897	13.885	13.915	VV	2762	46450	0.97%	0.144%
216	13.934	13.915	13.948	VV	2881	53064	1.11%	0.165%
217	13.978	13.948	14.009	VV	3863	116417	2.43%	0.361%
218	14.052	14.009	14.071	VV	3428	113199	2.36%	0.351%
219	14.083	14.071	14.109	VV	3254	67725	1.41%	0.210%
220	14.139	14.109	14.172	VV	18145	289693	6.05%	0.898%
221	14.198	14.172	14.212	VV	3660	74190	1.55%	0.230%
222	14.225	14.212	14.245	VV	3586	64930	1.35%	0.201%
223	14.291	14.245	14.310	VV	3299	116222	2.43%	0.360%
224	14.374	14.310	14.405	VV	5878	229822	4.80%	0.713%
225	14.435	14.405	14.486	VV	4218	181773	3.79%	0.564%
226	14.530	14.486	14.544	VV	4476	138957	2.90%	0.431%
227	14.570	14.544	14.599	VV	5023	144982	3.03%	0.450%
228	14.615	14.599	14.637	VV	4064	88496	1.85%	0.274%
229	14.654	14.637	14.672	VV	3992	78150	1.63%	0.242%
230	14.702	14.672	14.744	VV	26949	440630	9.19%	1.366%
231	14.773	14.744	14.786	VV	4786	109517	2.29%	0.340%
232	14.830	14.786	14.880	VV	5476	259989	5.43%	0.806%
233	14.906	14.880	14.939	VV	4968	156679	3.27%	0.486%
234	14.958	14.939	14.982	VV	5112	124943	2.61%	0.387%
235	14.988	14.982	15.010	VV	4685	74822	1.56%	0.232%
236	15.020	15.010	15.038	VV	4480	70530	1.47%	0.219%
237	15.054	15.038	15.069	VV	4812	84122	1.76%	0.261%
238	15.096	15.069	15.115	VV	5056	127204	2.65%	0.394%
239	15.130	15.115	15.181	VV	4951	178327	3.72%	0.553%
240	15.198	15.181	15.213	VV	5061	88223	1.84%	0.274%
241	15.244	15.213	15.289	VV	38643	638739	13.33%	1.981%
242	15.303	15.289	15.344	VV	5226	160067	3.34%	0.496%
243	15.351	15.344	15.362	VV	4492	48989	1.02%	0.152%
244	15.388	15.362	15.412	VV	4869	134780	2.81%	0.418%
245	15.440	15.412	15.465	VV	5388	151425	3.16%	0.470%
246	15.487	15.465	15.535	VV	5208	201611	4.21%	0.625%

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Instrument :
FID_G
ClientSampleId :
PH2-BOT-001

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/21/2024

rteres

247	15.550	15.535	15.555	VV	4621	53728	1.12%	0.167%
248	15.581	15.555	15.606	VV	5566	151666	3	
249	15.627	15.606	15.645	VV	4825	111130	2	
250	15.683	15.645	15.728	VV	5235	235350	4	
251	15.765	15.728	15.799	VV	44914	734340	15	
252	15.810	15.799	15.844	VV	5993	149068	3	
253	15.854	15.844	15.881	VV	4914	100798	2.10%	0.313%
254	15.900	15.881	15.921	VV	4739	105417	2.20%	0.327%
255	15.947	15.921	15.964	VV	5048	118126	2.47%	0.366%
256	15.990	15.964	16.009	VV	5045	128984	2.69%	0.400%
257	16.031	16.009	16.044	VV	4968	96881	2.02%	0.300%
258	16.087	16.044	16.112	VV	7466	244161	5.10%	0.757%
259	16.132	16.112	16.180	VV	5265	203071	4.24%	0.630%
260	16.224	16.180	16.236	VV	5455	163139	3.40%	0.506%
261	16.267	16.236	16.343	VV	52753	928806	19.38%	2.880%
262	16.358	16.343	16.389	VV	4433	113076	2.36%	0.351%
263	16.461	16.389	16.490	VV	5576	292631	6.11%	0.907%
264	16.501	16.490	16.537	VV	4917	131870	2.75%	0.409%
265	16.578	16.537	16.611	VV	8365	270521	5.65%	0.839%
266	16.628	16.611	16.685	VV	6121	221289	4.62%	0.686%
267	16.750	16.685	16.782	VV	52827	898506	18.75%	2.786%
268	16.792	16.782	16.829	VV	4598	116842	2.44%	0.362%
269	16.847	16.829	16.865	VV	4350	90935	1.90%	0.282%
270	16.874	16.865	16.885	VV	4267	49876	1.04%	0.155%
271	16.915	16.885	16.941	VV	5204	156501	3.27%	0.485%
272	16.973	16.941	17.006	VV	5638	194915	4.07%	0.604%
273	17.052	17.006	17.072	VV	6649	211157	4.41%	0.655%
274	17.098	17.072	17.155	VV	6247	230012	4.80%	0.713%
275	17.217	17.155	17.265	VV	48906	908275	18.95%	2.816%
276	17.271	17.265	17.294	VV	4008	65643	1.37%	0.204%
277	17.345	17.294	17.362	VV	4833	170490	3.56%	0.529%
278	17.381	17.362	17.408	VV	4603	119140	2.49%	0.369%
279	17.460	17.408	17.477	VV	5958	199965	4.17%	0.620%
280	17.506	17.477	17.527	VV	5997	151461	3.16%	0.470%
281	17.553	17.527	17.582	VV	7878	176008	3.67%	0.546%
282	17.603	17.582	17.618	VV	4099	80448	1.68%	0.249%
283	17.668	17.618	17.735	VV	56156	942586	19.67%	2.923%
284	17.788	17.735	17.855	VV	5209	268116	5.59%	0.831%
285	17.876	17.855	17.912	VV	3756	110115	2.30%	0.341%
286	17.949	17.912	17.975	VV	5689	156229	3.26%	0.484%
287	17.999	17.975	18.022	VV	4887	108177	2.26%	0.335%
288	18.048	18.022	18.067	VV	4158	99450	2.08%	0.308%
289	18.106	18.067	18.140	VV	39900	645008	13.46%	2.000%
290	18.156	18.140	18.192	VV	3057	83224	1.74%	0.258%
291	18.253	18.192	18.345	VV	6136	336288	7.02%	1.043%
292	18.379	18.345	18.402	VV	4596	120406	2.51%	0.373%
293	18.425	18.402	18.466	VV	4948	134655	2.81%	0.418%
294	18.484	18.466	18.498	VV	3260	55261	1.15%	0.171%
295	18.528	18.498	18.562	VV	41826	603169	12.59%	1.870%
296	18.620	18.562	18.642	VV	4925	131913	2.75%	0.409%
297	18.660	18.642	18.713	VV	2894	98084	2.05%	0.304%
298	18.728	18.713	18.754	VV	2135	46886	0.98%	0.145%
299	18.793	18.754	18.817	VV	4512	117713	2.46%	0.365%

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Instrument :
FID_G
ClientSampleId :
PH2-BOT-001

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/21/2024

A B C D E F G H I J

rteres

300	18.839	18.817	18.881	VV	3186	79981	1.67%	0.248%
301	18.938	18.881	18.983	VV	27507	471890	9	
302	19.021	18.983	19.062	VV	3244	103076	2	
303	19.087	19.062	19.115	VV	2920	76239	1	
304	19.128	19.115	19.157	VV	2051	43406	0	
305	19.196	19.157	19.218	VV	3246	81921	1	
306	19.252	19.218	19.285	VV	3253	93252	1.95%	0.289%
307	19.336	19.285	19.399	VV	23143	413258	8.62%	1.281%
308	19.411	19.399	19.423	VV	1069	15086	0.31%	0.047%
309	19.472	19.423	19.494	VV	1892	67143	1.40%	0.208%
310	19.519	19.494	19.550	VV	2491	68441	1.43%	0.212%
311	19.584	19.550	19.605	VV	2887	73361	1.53%	0.227%
312	19.627	19.605	19.675	VV	2371	67004	1.40%	0.208%
313	19.722	19.675	19.795	VV	16763	353379	7.37%	1.096%
314	19.807	19.795	19.817	VV	1102	13751	0.29%	0.043%
315	19.869	19.817	19.888	VV	2381	73384	1.53%	0.228%
316	19.905	19.888	19.935	VV	2052	49386	1.03%	0.153%
317	19.963	19.935	19.982	VV	2483	56831	1.19%	0.176%
318	20.007	19.982	20.062	VV	2684	91727	1.91%	0.284%
319	20.098	20.062	20.127	VV	13043	230101	4.80%	0.714%
320	20.152	20.127	20.185	VV	2913	80053	1.67%	0.248%
321	20.251	20.185	20.301	VV	2874	154707	3.23%	0.480%
322	20.334	20.301	20.355	VV	2933	80252	1.67%	0.249%
323	20.377	20.355	20.425	VV	3044	105160	2.19%	0.326%
324	20.464	20.425	20.496	VV	11453	234831	4.90%	0.728%
325	20.531	20.496	20.552	VV	3570	99749	2.08%	0.309%
326	20.568	20.552	20.580	VV	2831	47084	0.98%	0.146%
327	20.620	20.580	20.628	VV	3643	93615	1.95%	0.290%
328	20.648	20.628	20.668	VV	3892	86358	1.80%	0.268%
329	20.679	20.668	20.715	VV	3587	99040	2.07%	0.307%
330	20.737	20.715	20.783	VV	4195	139301	2.91%	0.432%
331	20.822	20.783	20.861	VV	10067	243494	5.08%	0.755%
332	20.906	20.861	20.935	VV	3041	128831	2.69%	0.399%
333	20.991	20.935	21.025	VV	3253	167478	3.49%	0.519%
334	21.062	21.025	21.094	VV	3443	127613	2.66%	0.396%
335	21.111	21.094	21.162	VV	2926	110066	2.30%	0.341%
336	21.211	21.162	21.271	VV	7532	244327	5.10%	0.758%
337	21.315	21.271	21.344	VV	2308	92922	1.94%	0.288%
338	21.397	21.344	21.478	VV	2236	161261	3.37%	0.500%
339	21.488	21.478	21.510	VV	1906	34747	0.73%	0.108%
340	21.542	21.510	21.605	VV	1908	98208	2.05%	0.305%
341	21.647	21.605	21.702	VV	4904	151899	3.17%	0.471%
342	21.720	21.702	21.739	VV	1280	26794	0.56%	0.083%
343	21.751	21.739	21.837	VV	2210	62879	1.31%	0.195%
344	21.862	21.837	21.909	VV	1025	37923	0.79%	0.118%
345	21.939	21.909	21.999	VV	907	41537	0.87%	0.129%
346	22.033	21.999	22.055	VV	719	20936	0.44%	0.065%
347	22.065	22.055	22.077	VV	519	6656	0.14%	0.021%
348	22.145	22.077	22.197	VV	3397	103072	2.15%	0.320%
349	22.206	22.197	22.252	VBA	336	18060	0.38%	0.056%

Sum of corrected areas: 32249108

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Instrument :
FID_G
ClientSampleId :
PH2-BOT-001

rteres
Aliphatic EPH 111424.M Wed Nov 20 01:28:43 2024

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/20/2024
Supervised By :Ankita Jodhani 11/21/2024

A
B
C
D
E
F
G
H
I
J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048761.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 11:41
Operator : YP/AJ
Sample : P4860-02
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PH2-BOT-001

Integration File: sample.E
Quant Time: Nov 19 05:55:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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...	7.366	10111530	57.433 ug/ml
Spiked Amount 50.000		Recovery = 114.87%	
6) S 2-Flurobiphenyl (SURR)	8.215	6778668	58.858 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 117.72%	
11) S ortho-Terphenyl (SURR)	11.252	6471330	33.646 ug/ml
Spiked Amount 50.000		Recovery = 67.29%	
Target Compounds			

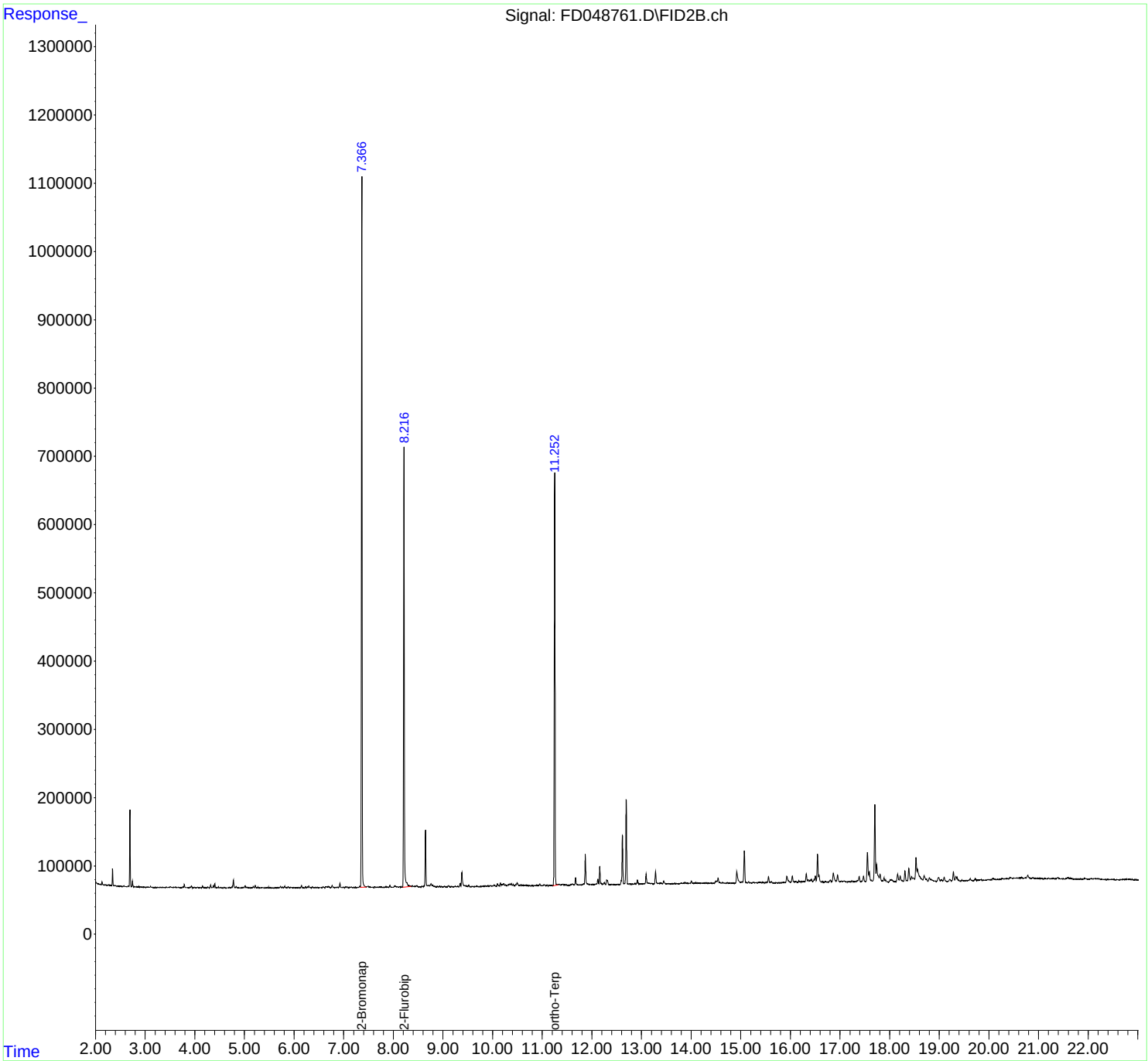
(f)=RT Delta > 1/2 Window (m)=manual int.

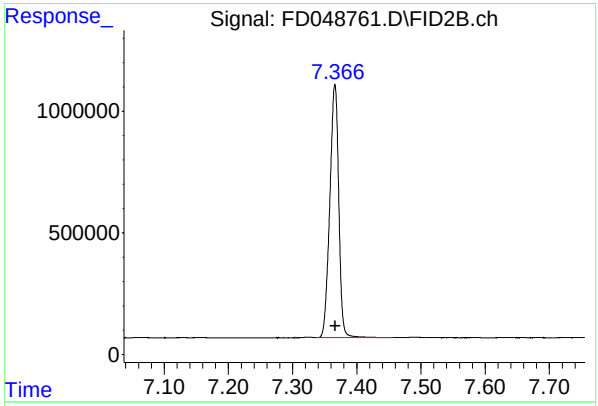
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048761.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 11:41
Operator : YP/AJ
Sample : P4860-02
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PH2-BOT-001

Integration File: sample.E
Quant Time: Nov 19 05:55:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

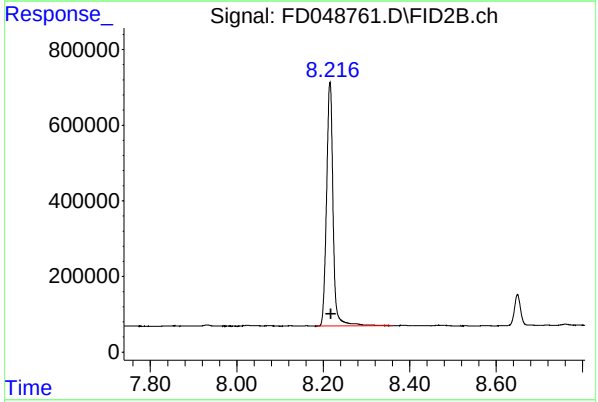




#4 2-Bromonaphthalene (SURR)

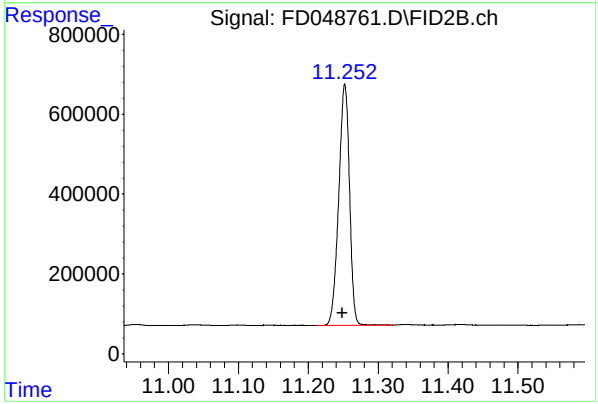
R.T.: 7.366 min
Delta R.T.: 0.000 min
Response: 10111530
Conc: 57.43 ug/ml

Instrument :
FID_D
ClientSampleId :
PH2-BOT-001



#6 2-Flurobiphenyl (SURR)

R.T.: 8.215 min
Delta R.T.: -0.003 min
Response: 6778668
Conc: 58.86 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.252 min
Delta R.T.: 0.004 min
Response: 6471330
Conc: 33.65 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048761.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 11:41
Sample : P4860-02
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.055	4.042	4.092	PH	544	7501	0.07%	0.017%
2	4.100	4.092	4.121	PV	334	2748	0.03%	0.006%
3	4.156	4.135	4.181	VV	2955	29999	0.30%	0.066%
4	4.196	4.181	4.220	VV	325	4587	0.05%	0.010%
5	4.224	4.220	4.237	VV	205	1167	0.01%	0.003%
6	4.264	4.237	4.288	PV	1282	15306	0.15%	0.034%
7	4.319	4.288	4.341	VV	4351	48270	0.47%	0.107%
8	4.350	4.341	4.358	VV	584	4669	0.05%	0.010%
9	4.374	4.358	4.388	VV	3292	32144	0.32%	0.071%
10	4.404	4.388	4.424	VV	6171	60105	0.59%	0.133%
11	4.432	4.424	4.441	VV	399	2746	0.03%	0.006%
12	4.475	4.441	4.492	VV	1679	17953	0.18%	0.040%
13	4.514	4.492	4.549	VV	897	16147	0.16%	0.036%
14	4.563	4.549	4.569	PV	265	1960	0.02%	0.004%
15	4.590	4.569	4.627	VV	746	12998	0.13%	0.029%
16	4.653	4.627	4.669	VV	335	5334	0.05%	0.012%
17	4.680	4.675	4.685	VV	388	1645	0.02%	0.004%
18	4.699	4.685	4.719	VV	858	11513	0.11%	0.026%
19	4.724	4.719	4.734	VV	477	2932	0.03%	0.006%
20	4.755	4.734	4.760	VV	2125	18180	0.18%	0.040%
21	4.777	4.760	4.810	VV	11780	139116	1.37%	0.308%
22	4.833	4.810	4.855	VV	2365	27040	0.27%	0.060%
23	4.861	4.855	4.869	VV	542	3355	0.03%	0.007%
24	4.874	4.869	4.881	VV	424	2629	0.03%	0.006%
25	4.889	4.881	4.913	VV	439	5437	0.05%	0.012%
26	4.921	4.913	4.931	VV	388	2151	0.02%	0.005%
27	4.947	4.931	4.954	VV	314	3092	0.03%	0.007%
28	4.967	4.954	4.986	VV	719	8236	0.08%	0.018%
29	5.011	4.986	5.046	VV	2899	43869	0.43%	0.097%
30	5.050	5.046	5.100	VV	742	13820	0.14%	0.031%
31	5.108	5.100	5.126	VV	311	3182	0.03%	0.007%
32	5.146	5.126	5.157	VV	659	6482	0.06%	0.014%
33	5.179	5.157	5.200	VV	2152	26319	0.26%	0.058%
34	5.218	5.200	5.242	VV	3936	42166	0.41%	0.093%
35	5.273	5.242	5.299	VV	1011	14254	0.14%	0.032%
36	5.320	5.299	5.325	VV	271	2228	0.02%	0.005%

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37	5.343	5.325	5.352	VV	503	5839	0.06%	0.013%
38	5.358	5.352	5.409	VV	546	9613	0.09%	0.021%
39	5.424	5.409	5.438	VV	304	3039	0.03%	0.007%
40	5.466	5.438	5.495	VV	719	13006	0.13%	0.029%
41	5.506	5.495	5.514	VV	382	2801	0.03%	0.006%
42	5.520	5.514	5.529	VV	348	2014	0.02%	0.004%
43	5.542	5.529	5.576	VV	375	4504	0.04%	0.010%
44	5.606	5.594	5.612	VV	211	1317	0.01%	0.003%
45	5.623	5.612	5.647	VV	374	3991	0.04%	0.009%
46	5.669	5.647	5.684	VV	380	5233	0.05%	0.012%
47	5.724	5.684	5.749	VV	1923	31523	0.31%	0.070%
48	5.754	5.749	5.758	VV	803	3787	0.04%	0.008%
49	5.768	5.758	5.792	VV	1139	14232	0.14%	0.032%
50	5.812	5.792	5.844	VV	2448	28347	0.28%	0.063%
51	5.849	5.844	5.853	VV	245	1034	0.01%	0.002%
52	5.881	5.853	5.914	VV	1968	28413	0.28%	0.063%
53	5.939	5.914	5.957	VV	995	16340	0.16%	0.036%
54	5.964	5.957	5.971	VV	373	2478	0.02%	0.005%
55	5.978	5.971	6.001	VV	393	4552	0.04%	0.010%
56	6.019	6.001	6.024	VV	447	4819	0.05%	0.011%
57	6.027	6.024	6.062	VV	446	5350	0.05%	0.012%
58	6.081	6.062	6.107	VV	287	4405	0.04%	0.010%
59	6.118	6.107	6.124	VV	281	1516	0.01%	0.003%
60	6.150	6.124	6.177	VV	3887	40054	0.39%	0.089%
61	6.193	6.177	6.207	VV	283	2544	0.03%	0.006%
62	6.231	6.207	6.254	PV	1658	18738	0.18%	0.042%
63	6.269	6.254	6.281	VV	1106	11389	0.11%	0.025%
64	6.298	6.281	6.317	VV	3108	32351	0.32%	0.072%
65	6.328	6.317	6.349	VV	821	8211	0.08%	0.018%
66	6.370	6.349	6.402	VV	1786	22301	0.22%	0.049%
67	6.427	6.402	6.444	VV	481	7922	0.08%	0.018%
68	6.464	6.444	6.497	VV	612	10715	0.11%	0.024%
69	6.522	6.497	6.532	VV	499	7276	0.07%	0.016%
70	6.544	6.532	6.553	VV	517	4926	0.05%	0.011%
71	6.586	6.553	6.619	VV	1952	28035	0.28%	0.062%
72	6.641	6.619	6.657	VV	1855	28894	0.28%	0.064%
73	6.661	6.657	6.675	VV	1239	11706	0.12%	0.026%
74	6.688	6.675	6.694	VV	1753	16245	0.16%	0.036%
75	6.700	6.694	6.734	VV	1723	23223	0.23%	0.051%
76	6.767	6.734	6.819	VV	3401	57229	0.56%	0.127%
77	6.845	6.819	6.858	VV	726	10825	0.11%	0.024%
78	6.870	6.858	6.886	VV	850	8797	0.09%	0.019%
79	6.925	6.886	6.962	VV	6797	83500	0.82%	0.185%
80	6.969	6.962	6.973	VV	354	1946	0.02%	0.004%
81	6.987	6.973	6.994	VV	836	7283	0.07%	0.016%
82	7.001	6.994	7.017	VV	677	5961	0.06%	0.013%
83	7.033	7.017	7.047	PV	1159	10639	0.10%	0.024%
84	7.066	7.047	7.086	VV	1551	21052	0.21%	0.047%
85	7.101	7.086	7.111	VV	528	4336	0.04%	0.010%
86	7.127	7.111	7.140	VV	904	10656	0.10%	0.024%
87	7.157	7.140	7.176	VV	1363	15293	0.15%	0.034%
88	7.207	7.190	7.220	VV	388	4398	0.04%	0.010%
89	7.227	7.220	7.234	VV	501	3043	0.03%	0.007%

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90	7.238	7.234	7.249	VV	417	3146	0.03%	0.007%
91	7.259	7.249	7.264	VV	340	2338	0.02%	0.005%
92	7.278	7.264	7.292	VV	569	7432	0.07%	0.016%
93	7.301	7.292	7.308	VV	531	4598	0.05%	0.010%
94	7.325	7.308	7.338	VV	2417	27180	0.27%	0.060%
95	7.366	7.338	7.456	VV	1041263	10166708	100.00%	22.528%
96	7.488	7.456	7.540	VV	2176	60425	0.59%	0.134%
97	7.546	7.540	7.560	VV	626	5647	0.06%	0.013%
98	7.584	7.560	7.610	VV	656	11283	0.11%	0.025%
99	7.629	7.610	7.649	VV	1396	16716	0.16%	0.037%
100	7.657	7.649	7.667	VV	516	4847	0.05%	0.011%
101	7.683	7.667	7.706	VV	678	8644	0.09%	0.019%
102	7.723	7.706	7.736	VV	600	7334	0.07%	0.016%
103	7.753	7.736	7.784	VV	907	16495	0.16%	0.037%
104	7.795	7.784	7.806	VV	294	2542	0.03%	0.006%
105	7.832	7.806	7.840	VV	860	7220	0.07%	0.016%
106	7.855	7.840	7.870	VV	1178	15419	0.15%	0.034%
107	7.882	7.870	7.895	VV	859	9741	0.10%	0.022%
108	7.904	7.895	7.913	VV	622	5672	0.06%	0.013%
109	7.931	7.913	7.954	VV	3447	38580	0.38%	0.085%
110	7.957	7.954	7.990	VV	543	6930	0.07%	0.015%
111	7.994	7.990	8.000	VV	310	1602	0.02%	0.004%
112	8.024	8.000	8.061	VV	2063	46925	0.46%	0.104%
113	8.079	8.061	8.101	VV	1309	21121	0.21%	0.047%
114	8.123	8.101	8.145	VV	1162	16675	0.16%	0.037%
115	8.162	8.145	8.184	VV	1086	13298	0.13%	0.029%
116	8.216	8.184	8.268	VV	644804	6682172	65.73%	14.807%
117	8.275	8.268	8.305	VV	6781	102995	1.01%	0.228%
118	8.313	8.305	8.369	VV	2994	77885	0.77%	0.173%
119	8.387	8.369	8.407	VV	2029	36782	0.36%	0.082%
120	8.421	8.407	8.450	VV	1389	31440	0.31%	0.070%
121	8.468	8.450	8.508	VV	2502	50681	0.50%	0.112%
122	8.529	8.508	8.547	VV	1030	14529	0.14%	0.032%
123	8.576	8.547	8.599	VV	1487	25962	0.26%	0.058%
124	8.616	8.599	8.624	VV	1403	16501	0.16%	0.037%
125	8.649	8.624	8.675	VV	83774	840551	8.27%	1.863%
126	8.681	8.675	8.700	VV	2647	34044	0.33%	0.075%
127	8.718	8.700	8.735	VV	2978	48542	0.48%	0.108%
128	8.760	8.735	8.782	VV	5181	92016	0.91%	0.204%
129	8.793	8.782	8.819	VV	2825	45132	0.44%	0.100%
130	8.833	8.819	8.862	VV	1479	20483	0.20%	0.045%
131	8.884	8.862	8.907	VV	1164	16642	0.16%	0.037%
132	8.932	8.907	8.955	VV	1253	22983	0.23%	0.051%
133	8.969	8.955	8.990	VV	820	11184	0.11%	0.025%
134	9.009	8.990	9.015	VV	643	5530	0.05%	0.012%
135	9.029	9.015	9.062	VV	1138	20293	0.20%	0.045%
136	9.065	9.062	9.078	VV	327	2265	0.02%	0.005%
137	9.082	9.078	9.087	VV	223	1279	0.01%	0.003%
138	9.110	9.087	9.153	VV	2132	37099	0.36%	0.082%
139	9.180	9.153	9.210	PV	1149	20088	0.20%	0.045%
140	9.215	9.210	9.229	VV	539	4248	0.04%	0.009%
141	9.251	9.229	9.274	VV	1118	15929	0.16%	0.035%

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142	9.305	9.274	9.325	VV	822	18626	0.18%	0.041%
143	9.346	9.325	9.363	VV	5155	59700	0.59%	0.132%
144	9.382	9.363	9.432	VV	21598	322207	3.17%	0.714%
145	9.438	9.432	9.452	VV	1792	19817	0.19%	0.044%
146	9.461	9.452	9.492	VV	1784	29011	0.29%	0.064%
147	9.521	9.492	9.565	VV	3024	54327	0.53%	0.120%
148	9.592	9.565	9.600	VV	858	11253	0.11%	0.025%
149	9.606	9.600	9.641	VV	841	10898	0.11%	0.024%
150	9.682	9.641	9.716	PV	1220	22837	0.22%	0.051%
151	9.726	9.716	9.742	VV	426	3498	0.03%	0.008%
152	9.760	9.742	9.779	VV	806	10413	0.10%	0.023%
153	9.791	9.779	9.810	VV	805	11364	0.11%	0.025%
154	9.839	9.810	9.857	VV	1075	21700	0.21%	0.048%
155	9.888	9.857	9.895	VV	1158	19339	0.19%	0.043%
156	9.908	9.895	9.929	VV	1610	23472	0.23%	0.052%
157	9.951	9.929	9.972	VV	1582	29697	0.29%	0.066%
158	9.978	9.972	9.987	VV	1185	9224	0.09%	0.020%
159	9.989	9.987	9.997	VV	1075	6084	0.06%	0.013%
160	10.000	9.997	10.009	VV	1099	6900	0.07%	0.015%
161	10.038	10.009	10.070	VV	2323	48958	0.48%	0.108%
162	10.098	10.070	10.130	VV	4400	75499	0.74%	0.167%
163	10.160	10.130	10.174	VV	5494	77440	0.76%	0.172%
164	10.185	10.174	10.199	VV	3288	38760	0.38%	0.086%
165	10.213	10.199	10.242	VV	3918	81309	0.80%	0.180%
166	10.254	10.242	10.284	VV	2390	44391	0.44%	0.098%
167	10.313	10.284	10.326	VV	2848	51977	0.51%	0.115%
168	10.337	10.326	10.357	VV	3131	53481	0.53%	0.119%
169	10.373	10.357	10.398	VV	4214	73471	0.72%	0.163%
170	10.416	10.398	10.439	VV	3059	47625	0.47%	0.106%
171	10.471	10.439	10.479	VV	2811	42564	0.42%	0.094%
172	10.497	10.479	10.543	VV	5367	108310	1.07%	0.240%
173	10.560	10.543	10.568	VV	1651	21607	0.21%	0.048%
174	10.587	10.568	10.607	VV	2148	38879	0.38%	0.086%
175	10.631	10.607	10.637	VV	1628	24729	0.24%	0.055%
176	10.642	10.637	10.657	VV	1735	17940	0.18%	0.040%
177	10.677	10.657	10.694	VV	2034	30597	0.30%	0.068%
178	10.705	10.694	10.727	VV	1342	18302	0.18%	0.041%
179	10.734	10.727	10.745	VV	882	7907	0.08%	0.018%
180	10.763	10.745	10.775	VV	935	13392	0.13%	0.030%
181	10.780	10.775	10.787	VV	688	4353	0.04%	0.010%
182	10.806	10.787	10.814	VV	1015	12864	0.13%	0.029%
183	10.818	10.814	10.835	VV	819	7961	0.08%	0.018%
184	10.890	10.835	10.908	VV	1720	40767	0.40%	0.090%
185	10.924	10.908	10.939	VV	1416	20648	0.20%	0.046%
186	10.953	10.939	10.977	VV	3287	43328	0.43%	0.096%
187	10.980	10.977	10.990	VV	561	4062	0.04%	0.009%
188	11.001	10.990	11.006	VV	586	4498	0.04%	0.010%
189	11.038	11.006	11.078	VV	2205	50520	0.50%	0.112%
190	11.099	11.078	11.126	VV	1679	27223	0.27%	0.060%
191	11.144	11.126	11.170	VV	1312	23086	0.23%	0.051%
192	11.191	11.170	11.210	VV	947	16483	0.16%	0.037%
193	11.252	11.210	11.289	VV	604776	6487978	63.82%	14.377%
194	11.297	11.289	11.321	VV	2354	38638	0.38%	0.086%

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195	11.338	11.321	11.387	VV	2706	72318	0.71%	0.160%
196	11.419	11.387	11.458	VV	2582	74450	0.73%	0.165%
197	11.475	11.458	11.482	VV	1315	17114	0.17%	0.038%
198	11.486	11.482	11.492	VV	1196	6310	0.06%	0.014%
199	11.501	11.492	11.526	VV	1280	16465	0.16%	0.036%
200	11.539	11.526	11.558	VV	923	15081	0.15%	0.033%
201	11.606	11.558	11.649	VV	2886	94207	0.93%	0.209%
202	11.671	11.649	11.697	VV	11692	145436	1.43%	0.322%
203	11.705	11.697	11.735	VV	1766	29146	0.29%	0.065%
204	11.749	11.735	11.763	VV	1376	19541	0.19%	0.043%
205	11.776	11.763	11.793	VV	1289	20859	0.21%	0.046%
206	11.830	11.793	11.844	VV	2652	55392	0.54%	0.123%
207	11.869	11.844	11.935	VV	46059	623684	6.13%	1.382%
208	11.939	11.935	11.943	VV	1611	7059	0.07%	0.016%
209	11.945	11.943	11.957	VV	1602	12513	0.12%	0.028%
210	11.963	11.957	11.984	VV	1446	21695	0.21%	0.048%
211	11.992	11.984	12.010	VV	1664	22554	0.22%	0.050%
212	12.024	12.010	12.055	VV	1602	37642	0.37%	0.083%
213	12.086	12.055	12.100	VV	2338	51679	0.51%	0.115%
214	12.121	12.100	12.138	VV	9174	124126	1.22%	0.275%
215	12.159	12.138	12.181	VV	27590	326428	3.21%	0.723%
216	12.192	12.181	12.210	VV	3259	45568	0.45%	0.101%
217	12.232	12.210	12.238	VV	2367	31624	0.31%	0.070%
218	12.254	12.238	12.275	VV	4279	61871	0.61%	0.137%
219	12.300	12.275	12.362	VV	8003	188173	1.85%	0.417%
220	12.395	12.362	12.410	VV	1155	26035	0.26%	0.058%
221	12.418	12.410	12.432	VV	1178	12221	0.12%	0.027%
222	12.439	12.432	12.450	VV	767	7127	0.07%	0.016%
223	12.456	12.450	12.462	VV	676	4511	0.04%	0.010%
224	12.471	12.462	12.475	VV	793	5763	0.06%	0.013%
225	12.493	12.475	12.502	VV	1089	14398	0.14%	0.032%
226	12.521	12.502	12.530	VV	1248	18206	0.18%	0.040%
227	12.534	12.530	12.545	VV	1142	9083	0.09%	0.020%
228	12.548	12.545	12.562	VV	914	8374	0.08%	0.019%
229	12.617	12.562	12.645	VV	72642	901941	8.87%	1.999%
230	12.692	12.645	12.724	VV	124977	1515663	14.91%	3.359%
231	12.741	12.724	12.795	VV	1919	65801	0.65%	0.146%
232	12.803	12.795	12.835	VV	1297	26300	0.26%	0.058%
233	12.863	12.835	12.885	VV	2377	52955	0.52%	0.117%
234	12.917	12.885	12.959	VV	7368	138467	1.36%	0.307%
235	12.985	12.959	13.012	VV	1736	45887	0.45%	0.102%
236	13.018	13.012	13.030	VV	1460	13977	0.14%	0.031%
237	13.053	13.030	13.061	VV	1962	30589	0.30%	0.068%
238	13.092	13.061	13.155	VV	16409	287360	2.83%	0.637%
239	13.167	13.155	13.182	VV	2467	33871	0.33%	0.075%
240	13.200	13.182	13.209	VV	2161	31399	0.31%	0.070%
241	13.212	13.209	13.232	VV	2028	22933	0.23%	0.051%
242	13.239	13.232	13.249	VV	1309	12920	0.13%	0.029%
243	13.281	13.249	13.335	VV	19499	303634	2.99%	0.673%
244	13.353	13.335	13.359	VV	2103	27401	0.27%	0.061%
245	13.362	13.359	13.375	VV	2209	19712	0.19%	0.044%
246	13.398	13.375	13.421	VV	2685	54068	0.53%	0.120%

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247	13.445	13.421	13.495	VV	5480	112652	1.11%	0.250%
248	13.506	13.495	13.515	VV	1462	15935	0.16%	0.035%
249	13.519	13.515	13.534	VV	1366	13064	0.13%	0.029%
250	13.540	13.534	13.546	VV	1263	8782	0.09%	0.019%
251	13.549	13.546	13.554	VV	1225	5661	0.06%	0.013%
252	13.569	13.554	13.603	VV	1306	30983	0.30%	0.069%
253	13.632	13.603	13.645	VV	1435	29893	0.29%	0.066%
254	13.673	13.645	13.689	VV	1618	35669	0.35%	0.079%
255	13.703	13.689	13.725	VV	1386	26035	0.26%	0.058%
256	13.735	13.725	13.755	VV	1405	21527	0.21%	0.048%
257	13.806	13.755	13.834	VV	2134	74530	0.73%	0.165%
258	13.879	13.834	13.905	VV	2999	85444	0.84%	0.189%
259	13.925	13.905	13.949	VV	1867	43071	0.42%	0.095%
260	13.955	13.949	13.969	VV	1539	17121	0.17%	0.038%
261	14.005	13.969	14.028	VV	5117	95124	0.94%	0.211%
262	14.038	14.028	14.055	VV	1705	24589	0.24%	0.054%
263	14.095	14.055	14.109	VV	2270	58829	0.58%	0.130%
264	14.135	14.109	14.151	VV	2057	43156	0.42%	0.096%
265	14.172	14.151	14.192	VV	2098	42420	0.42%	0.094%
266	14.220	14.192	14.234	VV	1998	40471	0.40%	0.090%
267	14.240	14.234	14.246	VV	1606	11059	0.11%	0.025%
268	14.256	14.246	14.262	VV	1640	13757	0.14%	0.030%
269	14.266	14.262	14.274	VV	1709	10929	0.11%	0.024%
270	14.279	14.274	14.282	VV	1558	7115	0.07%	0.016%
271	14.304	14.282	14.342	VV	2194	59107	0.58%	0.131%
272	14.348	14.342	14.372	VV	1451	22484	0.22%	0.050%
273	14.396	14.372	14.414	VV	1647	35938	0.35%	0.080%
274	14.418	14.414	14.438	VV	1356	17898	0.18%	0.040%
275	14.503	14.438	14.522	VV	4445	130368	1.28%	0.289%
276	14.542	14.522	14.571	VV	8939	146777	1.44%	0.325%
277	14.585	14.571	14.610	VV	2214	41238	0.41%	0.091%
278	14.635	14.610	14.665	VV	2081	56000	0.55%	0.124%
279	14.674	14.665	14.684	VV	1376	14478	0.14%	0.032%
280	14.688	14.684	14.700	VV	1281	11231	0.11%	0.025%
281	14.719	14.700	14.739	VV	1984	35436	0.35%	0.079%
282	14.746	14.739	14.768	VV	1382	20567	0.20%	0.046%
283	14.790	14.768	14.821	VV	1620	37279	0.37%	0.083%
284	14.838	14.821	14.862	VV	1456	27367	0.27%	0.061%
285	14.877	14.862	14.892	VV	1185	18152	0.18%	0.040%
286	14.918	14.892	14.991	VV	18012	407545	4.01%	0.903%
287	15.003	14.991	15.012	VV	2765	32163	0.32%	0.071%
288	15.027	15.012	15.039	VV	3182	43240	0.43%	0.096%
289	15.071	15.039	15.099	VV	48088	686610	6.75%	1.521%
290	15.110	15.099	15.130	VV	2203	31421	0.31%	0.070%
291	15.156	15.130	15.183	VV	2931	56457	0.56%	0.125%
292	15.192	15.183	15.200	VV	1323	12557	0.12%	0.028%
293	15.207	15.200	15.217	VV	1264	11385	0.11%	0.025%
294	15.259	15.217	15.280	VV	2214	59809	0.59%	0.133%
295	15.291	15.280	15.299	VV	1540	16263	0.16%	0.036%
296	15.305	15.299	15.329	VV	1512	24567	0.24%	0.054%
297	15.331	15.329	15.342	VV	1284	10125	0.10%	0.022%
298	15.383	15.342	15.410	VV	2074	65064	0.64%	0.144%
299	15.445	15.410	15.454	VV	1669	36900	0.36%	0.082%

rteres

300	15.458	15.454	15.502	VV	1543	34649	0.34%	0.077%
301	15.522	15.502	15.532	VV	2143	32338	0.32%	0.072%
302	15.557	15.532	15.588	VV	9972	154035	1.52%	0.341%
303	15.616	15.588	15.654	VV	2681	61325	0.60%	0.136%
304	15.658	15.654	15.663	VV	837	4183	0.04%	0.009%
305	15.668	15.663	15.685	VV	839	7749	0.08%	0.017%
306	15.717	15.685	15.724	VV	1131	19735	0.19%	0.044%
307	15.729	15.724	15.755	VV	1063	15483	0.15%	0.034%
308	15.764	15.755	15.777	VV	887	10121	0.10%	0.022%
309	15.795	15.777	15.817	VV	994	18800	0.18%	0.042%
310	15.849	15.817	15.855	VV	1308	22340	0.22%	0.050%
311	15.872	15.855	15.890	VV	1615	26772	0.26%	0.059%
312	15.928	15.890	16.009	VV	10183	272290	2.68%	0.603%
313	16.038	16.009	16.087	VV	10734	198687	1.95%	0.440%
314	16.112	16.087	16.145	VV	3058	70584	0.69%	0.156%
315	16.169	16.145	16.187	VV	3522	57062	0.56%	0.126%
316	16.198	16.187	16.214	VV	2308	33122	0.33%	0.073%
317	16.228	16.214	16.245	VV	2298	38782	0.38%	0.086%
318	16.261	16.245	16.265	VV	2412	26035	0.26%	0.058%
319	16.270	16.265	16.290	VV	2480	33693	0.33%	0.075%
320	16.319	16.290	16.341	VV	13568	211892	2.08%	0.470%
321	16.356	16.341	16.375	VV	4925	80327	0.79%	0.178%
322	16.390	16.375	16.399	VV	3751	45742	0.45%	0.101%
323	16.416	16.399	16.451	VV	4789	116158	1.14%	0.257%
324	16.476	16.451	16.484	VV	4794	69393	0.68%	0.154%
325	16.503	16.484	16.522	VV	10168	153002	1.50%	0.339%
326	16.546	16.522	16.567	VV	42586	583572	5.74%	1.293%
327	16.576	16.567	16.625	VV	11692	173268	1.70%	0.384%
328	16.636	16.625	16.641	VV	1617	13078	0.13%	0.029%
329	16.649	16.641	16.657	VV	1544	13167	0.13%	0.029%
330	16.661	16.657	16.677	VV	1317	13701	0.13%	0.030%
331	16.706	16.677	16.741	VV	1861	49990	0.49%	0.111%
332	16.747	16.741	16.755	VV	1209	8701	0.09%	0.019%
333	16.759	16.755	16.763	VV	1065	4719	0.05%	0.010%
334	16.804	16.763	16.837	VV	4215	111762	1.10%	0.248%
335	16.864	16.837	16.922	VV	13805	318109	3.13%	0.705%
336	16.950	16.922	16.999	VV	11200	208574	2.05%	0.462%
337	17.032	16.999	17.045	VV	2178	49882	0.49%	0.111%
338	17.068	17.045	17.074	VV	2139	30606	0.30%	0.068%
339	17.087	17.074	17.127	VV	2273	53609	0.53%	0.119%
340	17.135	17.127	17.149	VV	1112	13424	0.13%	0.030%
341	17.179	17.149	17.214	VV	1548	44300	0.44%	0.098%
342	17.242	17.214	17.262	VV	2255	45501	0.45%	0.101%
343	17.274	17.262	17.297	VV	1717	29340	0.29%	0.065%
344	17.316	17.297	17.334	VV	1805	34405	0.34%	0.076%
345	17.354	17.334	17.364	VV	2981	44718	0.44%	0.099%
346	17.385	17.364	17.417	VV	8584	136468	1.34%	0.302%
347	17.433	17.417	17.446	VV	1532	23226	0.23%	0.051%
348	17.472	17.446	17.504	VV	8899	149658	1.47%	0.332%
349	17.516	17.504	17.521	VV	1430	14285	0.14%	0.032%
350	17.551	17.521	17.576	VV	44155	676208	6.65%	1.498%
351	17.590	17.576	17.617	VV	15422	240190	2.36%	0.532%

rteres

352	17.626	17.617	17.649	VV	3236	47094	0.46%	0.104%
353	17.702	17.649	17.723	VV	113580	1578831	15.53%	3.499%
354	17.737	17.723	17.787	VV	26226	544771	5.36%	1.207%
355	17.807	17.787	17.867	VV	11751	243830	2.40%	0.540%
356	17.885	17.867	17.909	VV	6504	101235	1.00%	0.224%
357	17.917	17.909	17.977	VV	3258	46918	0.46%	0.104%
358	18.018	17.977	18.027	PV	3290	55694	0.55%	0.123%
359	18.043	18.027	18.099	VV	3363	72286	0.71%	0.160%
360	18.159	18.099	18.192	PV	9229	136466	1.34%	0.302%

Sum of corrected areas: 45128264

Aromatic EPH 111424.M Tue Nov 19 06:18:56 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067813.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 00:53
Operator : YP/AJ
Sample : P4860-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PH2-BOT-002

Integration File: sample.E
Quant Time: Nov 19 10:45:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 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...	12.929	5545169	38.200 ug/ml
Spiked Amount 50.000		Recovery = 76.40%	
Target Compounds			

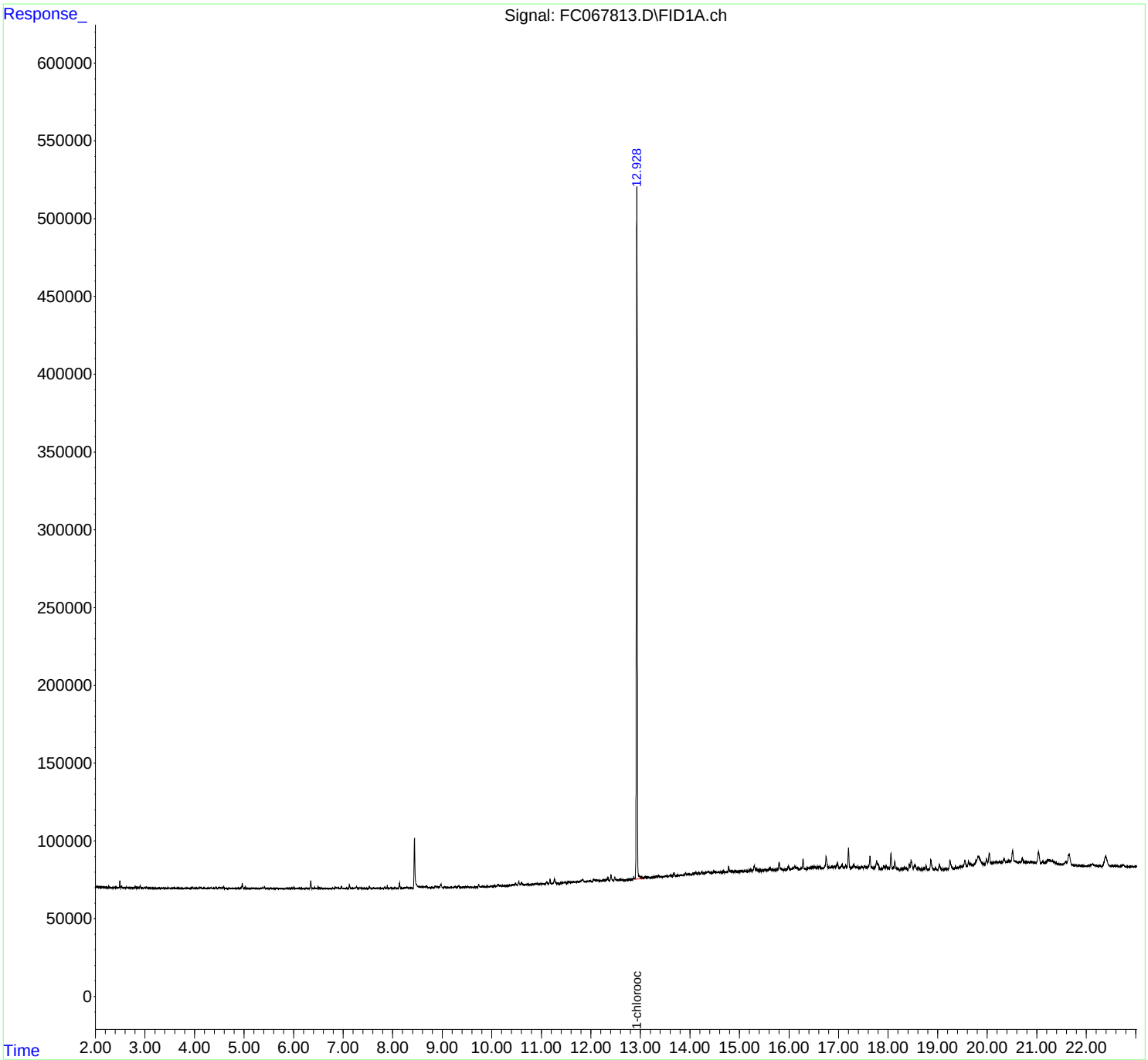
(f)=RT Delta > 1/2 Window (m)=manual int.

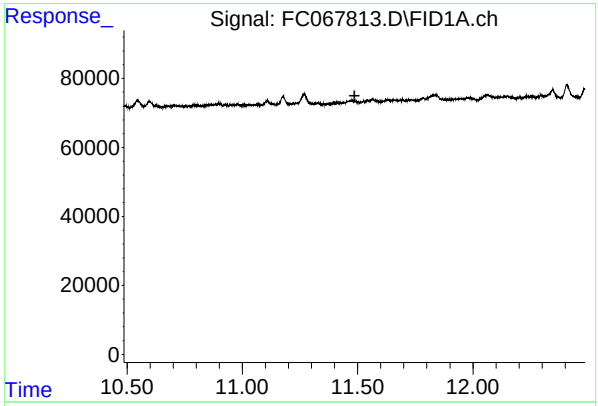
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067813.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 00:53
Operator : YP/AJ
Sample : P4860-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PH2-BOT-002

Integration File: sample.E
Quant Time: Nov 19 10:45:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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

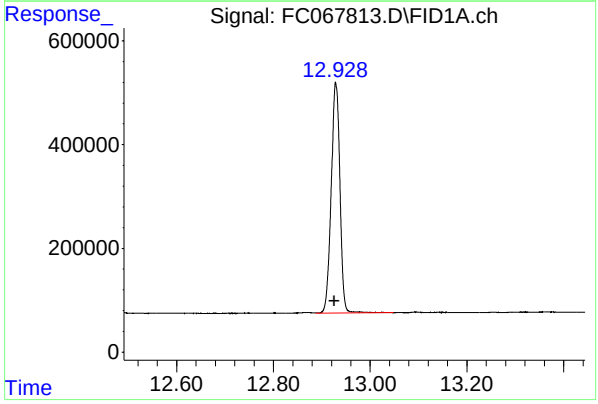




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.486 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PH2-BOT-002



#12 1-chlorooctadecane (SURR)

R.T.: 12.929 min
Delta R.T.: 0.003 min
Response: 5545169
Conc: 38.20 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067813.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 00:53
Sample : P4860-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.275	3.225	3.301	BV	365	3379	0.06%	0.011%
2	3.310	3.301	3.329	PV	134	1051	0.02%	0.003%
3	3.337	3.329	3.348	VV	104	559	0.01%	0.002%
4	3.369	3.348	3.382	VV	85	961	0.02%	0.003%
5	3.396	3.382	3.407	PV	93	929	0.02%	0.003%
6	3.419	3.407	3.438	VV	69	1105	0.02%	0.004%
7	3.442	3.438	3.461	VV	95	1092	0.02%	0.003%
8	3.467	3.461	3.511	VV	147	2139	0.04%	0.007%
9	3.521	3.511	3.565	VV	166	2861	0.05%	0.009%
10	3.594	3.565	3.633	VV	201	5249	0.09%	0.017%
11	3.645	3.633	3.661	VV	187	2250	0.04%	0.007%
12	3.670	3.661	3.678	VV	161	1225	0.02%	0.004%
13	3.688	3.678	3.718	VV	220	2906	0.05%	0.009%
14	3.735	3.718	3.744	VV	160	1238	0.02%	0.004%
15	3.762	3.744	3.775	PV	161	1804	0.03%	0.006%
16	3.797	3.775	3.831	VV	160	3889	0.07%	0.012%
17	3.844	3.831	3.894	VV	180	4389	0.08%	0.014%
18	3.938	3.894	3.950	VV	360	7172	0.13%	0.023%
19	3.965	3.950	3.995	VV	884	9375	0.16%	0.030%
20	4.035	3.995	4.055	VV	237	5807	0.10%	0.019%
21	4.113	4.055	4.129	VV	739	13476	0.24%	0.043%
22	4.142	4.129	4.169	VV	353	5233	0.09%	0.017%
23	4.196	4.169	4.247	VV	546	11044	0.19%	0.035%
24	4.265	4.247	4.275	VV	234	2887	0.05%	0.009%
25	4.287	4.275	4.308	VV	187	2666	0.05%	0.009%
26	4.335	4.308	4.360	VV	803	11092	0.19%	0.035%
27	4.379	4.360	4.401	VV	254	4747	0.08%	0.015%
28	4.433	4.401	4.465	VV	1008	17089	0.30%	0.055%
29	4.502	4.465	4.522	VV	1002	15294	0.27%	0.049%
30	4.558	4.522	4.571	VV	1025	14027	0.24%	0.045%
31	4.587	4.571	4.670	VV	1398	20220	0.35%	0.065%
32	4.702	4.670	4.727	VV	293	5660	0.10%	0.018%
33	4.743	4.727	4.755	VV	156	1867	0.03%	0.006%
34	4.777	4.755	4.821	VV	216	4190	0.07%	0.013%
35	4.838	4.821	4.866	VV	155	2334	0.04%	0.007%
36	4.888	4.866	4.921	PV	304	5358	0.09%	0.017%

rteres

37	4.965	4.921	5.001	VV	3494	46001	0.80%	0.147%
38	5.021	5.001	5.055	VV	816	10666	0.19%	0.034%
39	5.074	5.055	5.112	VV	187	3995	0.07%	0.013%
40	5.158	5.112	5.174	VV	327	5809	0.10%	0.019%
41	5.190	5.174	5.301	VV	245	9085	0.16%	0.029%
42	5.309	5.301	5.320	VV	145	1066	0.02%	0.003%
43	5.334	5.320	5.347	VV	228	2304	0.04%	0.007%
44	5.368	5.347	5.387	VV	633	8679	0.15%	0.028%
45	5.409	5.387	5.448	VV	1350	17073	0.30%	0.054%
46	5.464	5.448	5.505	VV	385	5369	0.09%	0.017%
47	5.548	5.505	5.615	VV	281	8957	0.16%	0.029%
48	5.655	5.615	5.689	VV	261	5657	0.10%	0.018%
49	5.711	5.689	5.758	PV	252	4653	0.08%	0.015%
50	5.764	5.758	5.775	VV	133	944	0.02%	0.003%
51	5.785	5.775	5.811	VV	87	1266	0.02%	0.004%
52	5.822	5.811	5.832	VV	127	955	0.02%	0.003%
53	5.839	5.832	5.858	VV	102	1378	0.02%	0.004%
54	5.914	5.858	5.940	VV	329	8988	0.16%	0.029%
55	5.965	5.940	5.987	VV	435	7086	0.12%	0.023%
56	6.007	5.987	6.042	VV	691	9892	0.17%	0.032%
57	6.069	6.042	6.107	VV	457	8729	0.15%	0.028%
58	6.139	6.107	6.210	VV	375	9997	0.17%	0.032%
59	6.240	6.210	6.259	VV	233	3979	0.07%	0.013%
60	6.280	6.259	6.307	VV	135	2558	0.04%	0.008%
61	6.348	6.307	6.407	VV	5076	60506	1.06%	0.193%
62	6.431	6.407	6.455	VV	648	8266	0.14%	0.026%
63	6.466	6.455	6.477	VV	254	2528	0.04%	0.008%
64	6.497	6.477	6.515	VV	991	11250	0.20%	0.036%
65	6.530	6.515	6.549	VV	439	5165	0.09%	0.016%
66	6.568	6.549	6.641	VV	586	7932	0.14%	0.025%
67	6.663	6.641	6.700	PV	147	2052	0.04%	0.007%
68	6.741	6.700	6.762	VV	196	3007	0.05%	0.010%
69	6.788	6.762	6.817	PV	613	6910	0.12%	0.022%
70	6.841	6.817	6.858	VV	890	11910	0.21%	0.038%
71	6.891	6.858	6.934	VV	721	19651	0.34%	0.063%
72	6.967	6.934	6.989	VV	1166	17531	0.31%	0.056%
73	7.004	6.989	7.028	VV	175	2770	0.05%	0.009%
74	7.046	7.028	7.059	VV	235	2577	0.04%	0.008%
75	7.072	7.059	7.100	VV	331	3982	0.07%	0.013%
76	7.129	7.100	7.175	VV	2581	30071	0.52%	0.096%
77	7.187	7.175	7.218	PV	342	6474	0.11%	0.021%
78	7.236	7.218	7.251	VV	494	6194	0.11%	0.020%
79	7.269	7.251	7.301	VV	1214	16303	0.28%	0.052%
80	7.309	7.301	7.317	VV	201	1788	0.03%	0.006%
81	7.332	7.317	7.348	VV	429	5789	0.10%	0.018%
82	7.359	7.348	7.397	VV	576	7826	0.14%	0.025%
83	7.409	7.397	7.415	VV	128	1164	0.02%	0.004%
84	7.439	7.415	7.498	VV	231	4437	0.08%	0.014%
85	7.530	7.498	7.567	VV	1177	14878	0.26%	0.047%
86	7.583	7.567	7.599	VV	297	4299	0.07%	0.014%
87	7.613	7.599	7.660	VV	309	8016	0.14%	0.026%
88	7.691	7.660	7.708	VV	384	7141	0.12%	0.023%
89	7.723	7.708	7.735	VV	282	3163	0.06%	0.010%

rteres

90	7.743	7.735	7.773	VV	211	3316	0.06%	0.011%
91	7.789	7.773	7.814	VV	287	4452	0.08%	0.014%
92	7.835	7.814	7.860	VV	926	11183	0.20%	0.036%
93	7.891	7.860	7.915	PV	1189	15131	0.26%	0.048%
94	7.928	7.915	7.945	VV	165	2740	0.05%	0.009%
95	7.961	7.945	8.008	VV	346	6059	0.11%	0.019%
96	8.045	8.008	8.073	VV	504	9613	0.17%	0.031%
97	8.096	8.073	8.115	VV	220	3893	0.07%	0.012%
98	8.139	8.115	8.212	VV	3491	45996	0.80%	0.147%
99	8.253	8.212	8.271	VV	499	12380	0.22%	0.040%
100	8.290	8.271	8.312	VV	646	10176	0.18%	0.032%
101	8.332	8.312	8.351	VV	360	5029	0.09%	0.016%
102	8.372	8.351	8.415	VV	511	7856	0.14%	0.025%
103	8.441	8.415	8.574	PV	32123	474944	8.28%	1.516%
104	8.593	8.574	8.611	VV	1005	18990	0.33%	0.061%
105	8.628	8.611	8.640	VV	876	12264	0.21%	0.039%
106	8.651	8.640	8.660	VV	739	8849	0.15%	0.028%
107	8.677	8.660	8.721	VV	1271	26955	0.47%	0.086%
108	8.741	8.721	8.768	VV	530	9135	0.16%	0.029%
109	8.792	8.768	8.811	VV	404	7324	0.13%	0.023%
110	8.857	8.811	8.878	VV	1451	24539	0.43%	0.078%
111	8.896	8.878	8.911	VV	1081	14991	0.26%	0.048%
112	8.920	8.911	8.948	VV	752	15092	0.26%	0.048%
113	8.975	8.948	9.028	VV	2531	48643	0.85%	0.155%
114	9.048	9.028	9.071	VV	801	10160	0.18%	0.032%
115	9.096	9.071	9.122	VV	448	6381	0.11%	0.020%
116	9.150	9.122	9.195	PV	413	9550	0.17%	0.030%
117	9.202	9.195	9.226	VV	232	3023	0.05%	0.010%
118	9.260	9.226	9.305	VV	708	15399	0.27%	0.049%
119	9.326	9.305	9.368	VV	1284	22686	0.40%	0.072%
120	9.416	9.368	9.445	VV	398	10930	0.19%	0.035%
121	9.467	9.445	9.489	VV	538	9506	0.17%	0.030%
122	9.517	9.489	9.566	VV	705	12645	0.22%	0.040%
123	9.583	9.566	9.605	VV	173	2806	0.05%	0.009%
124	9.615	9.605	9.632	VV	142	1452	0.03%	0.005%
125	9.656	9.632	9.678	PV	465	6542	0.11%	0.021%
126	9.696	9.678	9.716	VV	303	4658	0.08%	0.015%
127	9.737	9.716	9.781	VV	1861	25941	0.45%	0.083%
128	9.819	9.781	9.862	VV	449	14755	0.26%	0.047%
129	9.904	9.862	9.945	VV	458	11286	0.20%	0.036%
130	9.977	9.945	9.998	VV	311	5733	0.10%	0.018%
131	10.015	9.998	10.035	VV	358	4739	0.08%	0.015%
132	10.057	10.035	10.071	VV	519	7529	0.13%	0.024%
133	10.085	10.071	10.101	VV	383	5711	0.10%	0.018%
134	10.127	10.101	10.150	VV	1477	25207	0.44%	0.080%
135	10.167	10.150	10.191	VV	570	11608	0.20%	0.037%
136	10.214	10.191	10.231	VV	659	12062	0.21%	0.038%
137	10.268	10.231	10.307	VV	642	18222	0.32%	0.058%
138	10.336	10.307	10.348	VV	596	10201	0.18%	0.033%
139	10.369	10.348	10.391	VV	658	13850	0.24%	0.044%
140	10.409	10.391	10.438	VV	868	19430	0.34%	0.062%
141	10.476	10.438	10.511	VV	1899	43945	0.77%	0.140%

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142	10.546	10.511	10.573	VV	2530	52295	0.91%	0.167%
143	10.597	10.573	10.658	VV	2077	54916	0.96%	0.175%
144	10.706	10.658	10.745	VV	870	34965	0.61%	0.112%
145	10.755	10.745	10.775	VV	636	10113	0.18%	0.032%
146	10.794	10.775	10.822	VV	816	19673	0.34%	0.063%
147	10.896	10.822	10.915	VV	1173	47724	0.83%	0.152%
148	10.925	10.915	10.941	VV	827	11081	0.19%	0.035%
149	10.952	10.941	10.961	VV	726	8454	0.15%	0.027%
150	10.980	10.961	11.018	VV	898	23779	0.41%	0.076%
151	11.031	11.018	11.043	VV	731	9426	0.16%	0.030%
152	11.066	11.043	11.078	VV	702	13731	0.24%	0.044%
153	11.108	11.078	11.155	VV	1838	46128	0.80%	0.147%
154	11.176	11.155	11.208	VV	2931	50405	0.88%	0.161%
155	11.268	11.208	11.306	VV	3560	88827	1.55%	0.284%
156	11.328	11.306	11.356	VV	872	20396	0.36%	0.065%
157	11.413	11.356	11.431	VV	961	32473	0.57%	0.104%
158	11.473	11.431	11.508	VV	1442	51553	0.90%	0.165%
159	11.565	11.508	11.597	VV	1682	66248	1.16%	0.211%
160	11.630	11.597	11.650	VV	1583	39820	0.69%	0.127%
161	11.667	11.650	11.687	VV	1421	28320	0.49%	0.090%
162	11.694	11.687	11.711	VV	1322	17890	0.31%	0.057%
163	11.730	11.711	11.758	VV	1385	35290	0.62%	0.113%
164	11.784	11.758	11.795	VV	1794	32992	0.58%	0.105%
165	11.838	11.795	11.886	VV	2613	104154	1.82%	0.332%
166	11.979	11.886	12.025	VV	1773	114507	2.00%	0.365%
167	12.063	12.025	12.098	VV	2492	82587	1.44%	0.264%
168	12.117	12.098	12.128	VV	1800	30894	0.54%	0.099%
169	12.149	12.128	12.181	VV	1968	53365	0.93%	0.170%
170	12.203	12.181	12.215	VV	1588	28387	0.50%	0.091%
171	12.253	12.215	12.278	VV	1795	62840	1.10%	0.201%
172	12.296	12.278	12.309	VV	2034	33591	0.59%	0.107%
173	12.345	12.309	12.378	VV	3571	93202	1.63%	0.297%
174	12.408	12.378	12.465	VV	4985	122265	2.13%	0.390%
175	12.484	12.465	12.508	VV	3738	63886	1.11%	0.204%
176	12.519	12.508	12.538	VV	1729	29434	0.51%	0.094%
177	12.588	12.538	12.615	VV	1929	78380	1.37%	0.250%
178	12.630	12.615	12.665	VV	1703	42361	0.74%	0.135%
179	12.679	12.665	12.689	VV	1277	18008	0.31%	0.057%
180	12.747	12.689	12.763	VV	1836	65658	1.15%	0.210%
181	12.771	12.763	12.791	VV	1549	26085	0.46%	0.083%
182	12.805	12.791	12.831	VV	1678	37256	0.65%	0.119%
183	12.868	12.831	12.888	VV	2808	71850	1.25%	0.229%
184	12.929	12.888	13.050	VV	447080	5732812	100.00%	18.298%
185	13.061	13.050	13.074	VV	2447	33599	0.59%	0.107%
186	13.095	13.074	13.116	VV	3376	67496	1.18%	0.215%
187	13.142	13.116	13.195	VV	2701	118051	2.06%	0.377%
188	13.254	13.195	13.274	VV	2798	112745	1.97%	0.360%
189	13.323	13.274	13.338	VV	3067	104116	1.82%	0.332%
190	13.366	13.338	13.402	VV	3216	113535	1.98%	0.362%
191	13.411	13.402	13.435	VV	2778	54817	0.96%	0.175%
192	13.458	13.435	13.467	VV	2728	49302	0.86%	0.157%
193	13.530	13.467	13.568	VV	3503	175376	3.06%	0.560%
194	13.596	13.568	13.615	VV	3464	85115	1.48%	0.272%

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195	13.627	13.615	13.645	VV	3315	58198	1.02%	0.186%
196	13.680	13.645	13.716	VV	5052	151443	2.64%	0.483%
197	13.731	13.716	13.752	VV	3226	66740	1.16%	0.213%
198	13.766	13.752	13.792	VV	3243	74060	1.29%	0.236%
199	13.819	13.792	13.861	VV	3595	134936	2.35%	0.431%
200	13.913	13.861	13.941	VV	4564	180565	3.15%	0.576%
201	13.972	13.941	14.034	VV	3899	203332	3.55%	0.649%
202	14.081	14.034	14.093	VV	4128	135141	2.36%	0.431%
203	14.116	14.093	14.145	VV	4746	131459	2.29%	0.420%
204	14.182	14.145	14.218	VV	4435	175650	3.06%	0.561%
205	14.241	14.218	14.275	VV	5555	146433	2.55%	0.467%
206	14.372	14.275	14.425	VV	5024	400612	6.99%	1.279%
207	14.442	14.425	14.466	VV	4422	104859	1.83%	0.335%
208	14.485	14.466	14.515	VV	5166	135180	2.36%	0.431%
209	14.549	14.515	14.654	VV	4452	363597	6.34%	1.161%
210	14.690	14.654	14.721	VV	4711	177697	3.10%	0.567%
211	14.781	14.721	14.845	VV	7759	370035	6.45%	1.181%
212	14.853	14.845	14.859	VV	4571	40374	0.70%	0.129%
213	14.863	14.859	14.885	VV	4682	66162	1.15%	0.211%
214	14.911	14.885	14.954	VV	4839	187574	3.27%	0.599%
215	15.032	14.954	15.051	VV	4849	259750	4.53%	0.829%
216	15.068	15.051	15.082	VV	4632	81760	1.43%	0.261%
217	15.108	15.082	15.128	VV	4873	125525	2.19%	0.401%
218	15.151	15.128	15.171	VV	4624	110155	1.92%	0.352%
219	15.207	15.171	15.228	VV	5166	163761	2.86%	0.523%
220	15.237	15.228	15.265	VV	4794	99964	1.74%	0.319%
221	15.301	15.265	15.339	VV	8044	261352	4.56%	0.834%
222	15.349	15.339	15.378	VV	5354	114601	2.00%	0.366%
223	15.385	15.378	15.407	VV	4947	77947	1.36%	0.249%
224	15.424	15.407	15.445	VV	5207	106430	1.86%	0.340%
225	15.519	15.445	15.531	VV	5013	235554	4.11%	0.752%
226	15.558	15.531	15.580	VV	5000	134966	2.35%	0.431%
227	15.613	15.580	15.652	VV	5982	227640	3.97%	0.727%
228	15.660	15.652	15.734	VV	5056	225702	3.94%	0.720%
229	15.759	15.734	15.773	VV	5136	113931	1.99%	0.364%
230	15.800	15.773	15.919	VV	9109	477231	8.32%	1.523%
231	15.938	15.919	15.947	VV	4566	74136	1.29%	0.237%
232	15.990	15.947	16.022	VV	6154	236870	4.13%	0.756%
233	16.031	16.022	16.061	VV	4903	112096	1.96%	0.358%
234	16.115	16.061	16.143	VV	5992	268576	4.68%	0.857%
235	16.157	16.143	16.210	VV	5861	200722	3.50%	0.641%
236	16.282	16.210	16.312	VV	10741	367806	6.42%	1.174%
237	16.324	16.312	16.348	VV	4934	96398	1.68%	0.308%
238	16.375	16.348	16.405	VV	4960	163335	2.85%	0.521%
239	16.427	16.405	16.437	VV	5265	99066	1.73%	0.316%
240	16.487	16.437	16.551	VV	5779	363282	6.34%	1.159%
241	16.620	16.551	16.681	VV	5609	397855	6.94%	1.270%
242	16.748	16.681	16.791	VV	11216	436444	7.61%	1.393%
243	16.861	16.791	16.891	VV	5846	305654	5.33%	0.976%
244	16.901	16.891	16.920	VV	5163	88000	1.54%	0.281%
245	16.978	16.920	17.016	VV	7615	324527	5.66%	1.036%
246	17.071	17.016	17.108	VV	6573	281269	4.91%	0.898%

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247	17.151	17.108	17.171	VV	5682	188531	3.29%	0.602%
248	17.199	17.171	17.247	VV	16763	368570	6.43%	1.176%
249	17.268	17.247	17.278	VV	4572	77021	1.34%	0.246%
250	17.305	17.278	17.334	VV	6186	176658	3.08%	0.564%
251	17.349	17.334	17.368	VV	4778	90920	1.59%	0.290%
252	17.395	17.368	17.441	VV	4692	186307	3.25%	0.595%
253	17.479	17.441	17.501	VV	4799	156972	2.74%	0.501%
254	17.524	17.501	17.550	VV	5236	129923	2.27%	0.415%
255	17.566	17.550	17.588	VV	4531	96759	1.69%	0.309%
256	17.634	17.588	17.661	VV	11470	279043	4.87%	0.891%
257	17.670	17.661	17.708	VV	4264	100727	1.76%	0.321%
258	17.768	17.708	17.848	VV	8422	401994	7.01%	1.283%
259	17.871	17.848	17.885	VV	3107	63203	1.10%	0.202%
260	17.921	17.885	18.031	VV	4520	314222	5.48%	1.003%
261	18.056	18.031	18.100	VV	12585	246970	4.31%	0.788%
262	18.134	18.100	18.234	VV	7181	269315	4.70%	0.860%
263	18.263	18.234	18.275	VV	2199	51428	0.90%	0.164%
264	18.294	18.275	18.341	VV	2878	102954	1.80%	0.329%
265	18.355	18.341	18.405	VV	2605	82143	1.43%	0.262%
266	18.427	18.405	18.443	VV	5409	92703	1.62%	0.296%
267	18.466	18.443	18.508	VV	7725	189830	3.31%	0.606%
268	18.533	18.508	18.581	VV	4512	146522	2.56%	0.468%
269	18.603	18.581	18.651	VV	3239	96735	1.69%	0.309%
270	18.660	18.651	18.678	VV	2078	29898	0.52%	0.095%
271	18.695	18.678	18.708	VV	1645	28742	0.50%	0.092%
272	18.727	18.708	18.744	VV	2237	42683	0.74%	0.136%
273	18.767	18.744	18.802	VV	3650	78273	1.37%	0.250%
274	18.819	18.802	18.831	VV	1697	26487	0.46%	0.085%
275	18.863	18.831	18.928	VV	7296	188729	3.29%	0.602%
276	18.953	18.928	18.998	VV	2040	60882	1.06%	0.194%
277	19.033	18.998	19.091	VV	4099	122708	2.14%	0.392%
278	19.108	19.091	19.131	VV	1532	29406	0.51%	0.094%
279	19.152	19.131	19.178	VV	1410	33729	0.59%	0.108%
280	19.202	19.178	19.211	VV	1205	21492	0.37%	0.069%
281	19.248	19.211	19.335	VV	7026	221065	3.86%	0.706%
282	19.359	19.335	19.419	VV	2449	96611	1.69%	0.308%
283	19.550	19.419	19.593	VV	6636	330534	5.77%	1.055%
284	19.623	19.593	19.645	VV	6025	130254	2.27%	0.416%
285	19.663	19.645	19.711	VV	4234	146198	2.55%	0.467%
286	19.814	19.711	19.958	VV	8675	787018	13.73%	2.512%
287	19.985	19.958	20.009	VV	6617	158207	2.76%	0.505%
288	20.041	20.009	20.103	VV	10471	341894	5.96%	1.091%
289	20.140	20.103	20.163	VV	4654	157162	2.74%	0.502%
290	20.176	20.163	20.195	VV	4849	89532	1.56%	0.286%
291	20.206	20.195	20.213	VV	4483	48258	0.84%	0.154%
292	20.238	20.213	20.278	VV	4746	176332	3.08%	0.563%
293	20.341	20.278	20.393	VV	6960	347478	6.06%	1.109%
294	20.512	20.393	20.556	VV	11632	587293	10.24%	1.874%
295	20.565	20.556	20.621	VV	4790	168683	2.94%	0.538%
296	20.646	20.621	20.661	VV	4301	98019	1.71%	0.313%
297	20.709	20.661	20.747	VV	6120	247691	4.32%	0.791%
298	20.787	20.747	20.798	VV	4085	118460	2.07%	0.378%
299	20.806	20.798	20.815	VV	3953	38666	0.67%	0.123%

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300	20.854	20.815	20.995	VV	3965	394856	6.89%	1.260%
301	21.038	20.995	21.091	VV	10472	344652	6.01%	1.100%
302	21.122	21.091	21.148	VV	4080	120179	2.10%	0.384%
303	21.250	21.148	21.455	VV	4945	649011	11.32%	2.071%
304	21.465	21.455	21.473	VV	2113	21177	0.37%	0.068%
305	21.485	21.473	21.515	VV	2096	49325	0.86%	0.157%
306	21.523	21.515	21.533	VV	1988	21668	0.38%	0.069%
307	21.594	21.533	21.607	VV	3378	113151	1.97%	0.361%
308	21.654	21.607	21.718	VV	8423	302540	5.28%	0.966%
309	21.739	21.718	21.749	VV	1209	21220	0.37%	0.068%
310	21.775	21.749	21.794	VV	1147	24810	0.43%	0.079%
311	21.840	21.794	21.885	VV	836	36365	0.63%	0.116%
312	21.895	21.885	21.916	VV	711	10731	0.19%	0.034%
313	21.923	21.916	21.975	VV	580	10255	0.18%	0.033%

Sum of corrected areas: 31331045

Aliphatic EPH 111424.M Tue Nov 19 10:53:50 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048772.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 00:53
Operator : YP/AJ
Sample : P4860-03
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PH2-BOT-002

Integration File: sample.E
Quant Time: Nov 19 05:56:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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...	7.366	8231045	46.752 ug/ml
Spiked Amount 50.000		Recovery =	93.50%
6) S 2-Flurobiphenyl (SURR)	8.216	4676660	40.607 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	81.21%
11) S ortho-Terphenyl (SURR)	11.253	7416251	38.559 ug/ml
Spiked Amount 50.000		Recovery =	77.12%
Target Compounds			

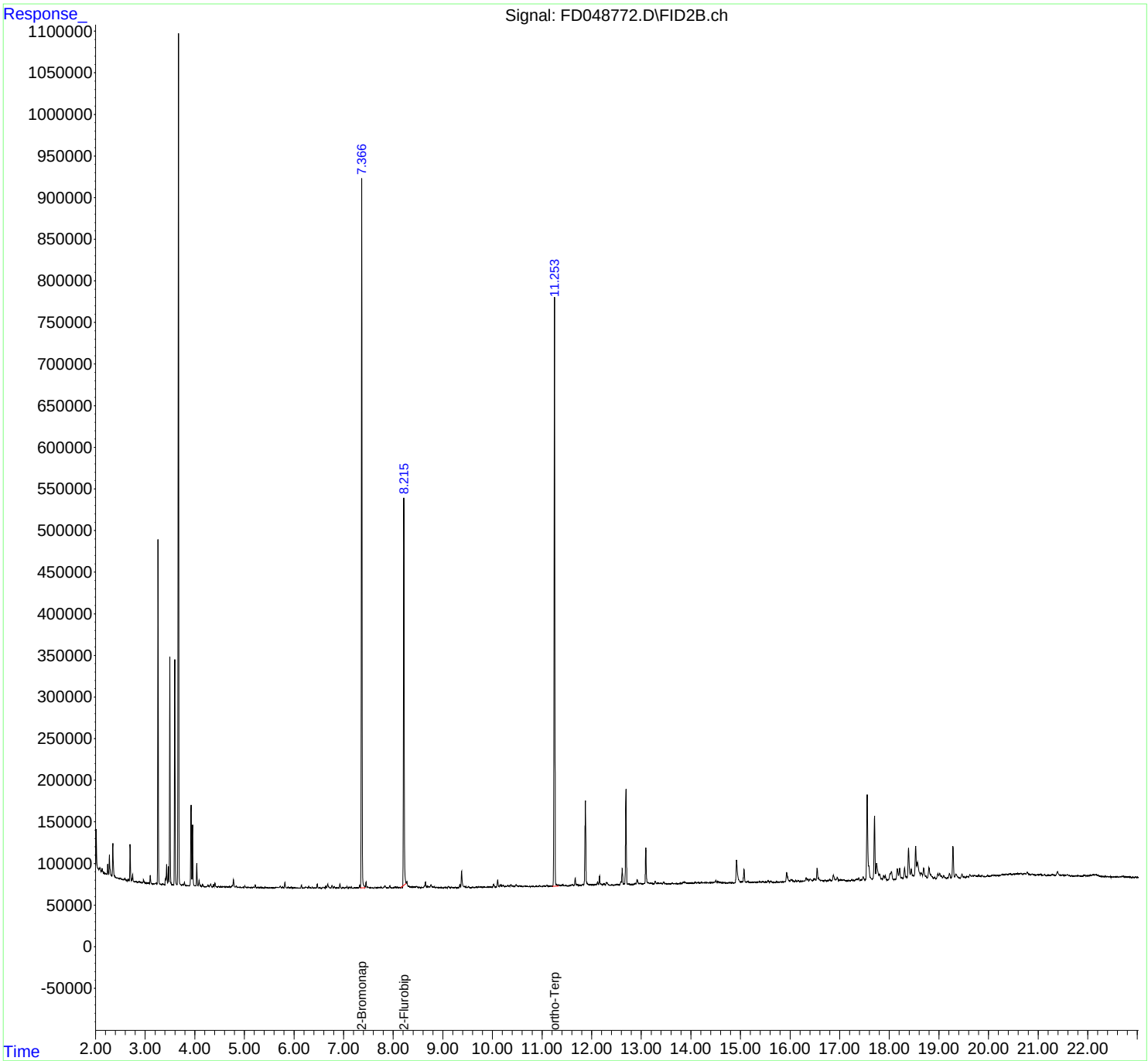
(f)=RT Delta > 1/2 Window (m)=manual int.

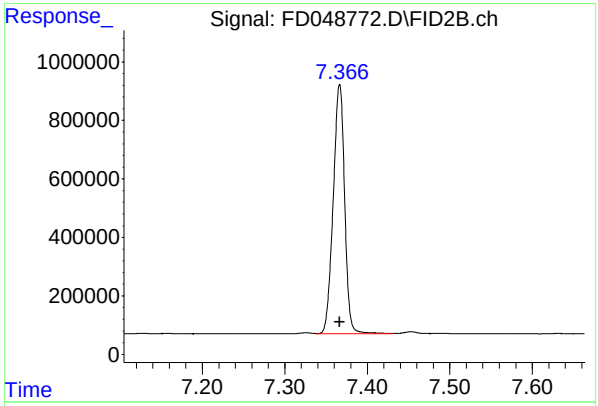
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048772.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 00:53
Operator : YP/AJ
Sample : P4860-03
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PH2-BOT-002

Integration File: sample.E
Quant Time: Nov 19 05:56:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

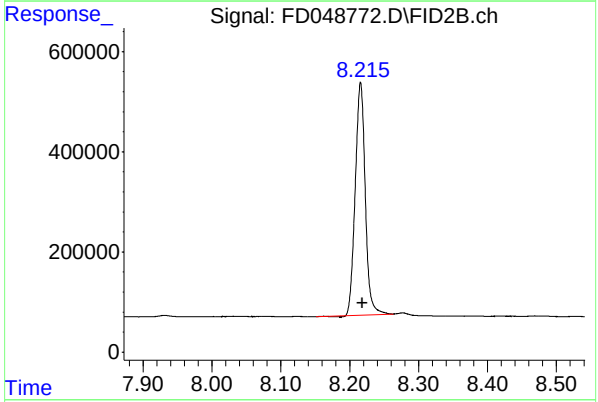




#4 2-Bromonaphthalene (SURR)

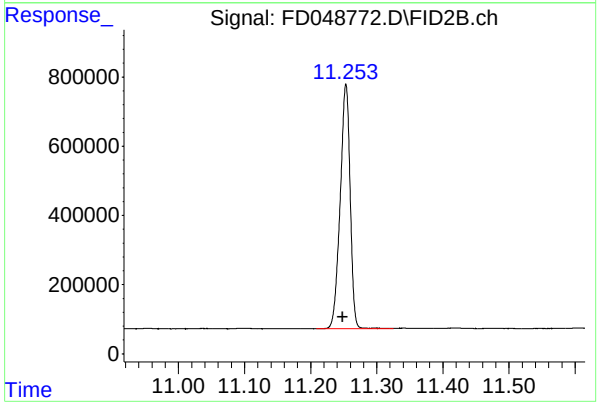
R.T.: 7.366 min
Delta R.T.: 0.000 min
Response: 8231045
Conc: 46.75 ug/ml

Instrument :
FID_D
ClientSampleId :
PH2-BOT-002



#6 2-Flurobiphenyl (SURR)

R.T.: 8.216 min
Delta R.T.: -0.003 min
Response: 4676660
Conc: 40.61 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.253 min
Delta R.T.: 0.005 min
Response: 7416251
Conc: 38.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048772.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 00:53
Sample : P4860-03
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.158	4.142	4.208	PV	2928	31553	0.38%	0.082%
2	4.272	4.208	4.295	PV	1795	34289	0.42%	0.089%
3	4.322	4.295	4.344	VV	3646	51268	0.62%	0.133%
4	4.351	4.344	4.359	VV	461	3435	0.04%	0.009%
5	4.377	4.359	4.391	VV	3186	31766	0.38%	0.082%
6	4.408	4.391	4.463	VV	5064	62349	0.75%	0.162%
7	4.477	4.463	4.495	VV	1312	12373	0.15%	0.032%
8	4.498	4.495	4.509	VV	235	1941	0.02%	0.005%
9	4.522	4.509	4.535	VV	693	7406	0.09%	0.019%
10	4.544	4.535	4.548	VV	495	2689	0.03%	0.007%
11	4.567	4.548	4.579	VV	863	9732	0.12%	0.025%
12	4.593	4.579	4.612	VV	894	7680	0.09%	0.020%
13	4.629	4.612	4.681	VV	774	17996	0.22%	0.047%
14	4.703	4.681	4.709	VV	831	10355	0.13%	0.027%
15	4.712	4.709	4.717	VV	595	2235	0.03%	0.006%
16	4.723	4.717	4.732	VV	678	5532	0.07%	0.014%
17	4.757	4.732	4.765	VV	2638	31664	0.38%	0.082%
18	4.780	4.765	4.809	VV	9431	113236	1.37%	0.294%
19	4.815	4.809	4.822	VV	561	4266	0.05%	0.011%
20	4.837	4.822	4.857	VV	2014	21287	0.26%	0.055%
21	4.868	4.857	4.876	VV	397	2973	0.04%	0.008%
22	4.905	4.876	4.954	VV	542	13421	0.16%	0.035%
23	4.970	4.954	4.994	PV	658	7771	0.09%	0.020%
24	5.009	4.994	5.049	VV	1995	28386	0.34%	0.074%
25	5.068	5.049	5.073	VV	422	4312	0.05%	0.011%
26	5.077	5.073	5.095	VV	387	3694	0.04%	0.010%
27	5.099	5.095	5.112	VV	347	2237	0.03%	0.006%
28	5.147	5.112	5.168	VV	506	9531	0.12%	0.025%
29	5.181	5.168	5.202	VV	1229	14860	0.18%	0.039%
30	5.220	5.202	5.253	VV	3684	42091	0.51%	0.109%
31	5.277	5.253	5.304	VV	1098	17657	0.21%	0.046%
32	5.331	5.304	5.339	VV	629	9536	0.12%	0.025%
33	5.346	5.339	5.376	VV	554	8742	0.11%	0.023%
34	5.417	5.385	5.447	VV	745	14730	0.18%	0.038%
35	5.463	5.447	5.487	VV	568	9006	0.11%	0.023%
36	5.492	5.487	5.496	VV	225	1096	0.01%	0.003%

rteres

37	5.527	5.496	5.533	VV	444	6266	0.08%	0.016%
38	5.539	5.533	5.555	VV	585	4804	0.06%	0.012%
39	5.564	5.555	5.569	VV	274	1720	0.02%	0.004%
40	5.577	5.569	5.596	VV	309	3478	0.04%	0.009%
41	5.602	5.596	5.610	VV	345	1941	0.02%	0.005%
42	5.657	5.610	5.670	VV	1023	28123	0.34%	0.073%
43	5.675	5.670	5.690	VV	955	8551	0.10%	0.022%
44	5.696	5.690	5.703	VV	687	5006	0.06%	0.013%
45	5.721	5.703	5.754	VV	2362	38834	0.47%	0.101%
46	5.771	5.754	5.796	VV	1083	17816	0.22%	0.046%
47	5.817	5.796	5.867	VV	6999	85667	1.04%	0.222%
48	5.884	5.867	5.905	VV	1511	20777	0.25%	0.054%
49	5.944	5.905	5.974	VV	1062	25816	0.31%	0.067%
50	5.983	5.974	5.993	VV	416	3950	0.05%	0.010%
51	6.006	5.993	6.029	VV	695	9554	0.12%	0.025%
52	6.047	6.029	6.056	VV	434	4641	0.06%	0.012%
53	6.078	6.056	6.099	VV	408	7081	0.09%	0.018%
54	6.108	6.099	6.128	VV	503	4890	0.06%	0.013%
55	6.151	6.128	6.174	PV	4192	45202	0.55%	0.117%
56	6.187	6.174	6.214	VV	724	10673	0.13%	0.028%
57	6.235	6.214	6.254	VV	1694	25749	0.31%	0.067%
58	6.268	6.254	6.281	VV	1278	14837	0.18%	0.039%
59	6.299	6.281	6.319	VV	2752	29542	0.36%	0.077%
60	6.332	6.319	6.349	VV	860	9716	0.12%	0.025%
61	6.368	6.349	6.387	PV	1698	18019	0.22%	0.047%
62	6.399	6.387	6.415	VV	412	5982	0.07%	0.016%
63	6.420	6.415	6.438	VV	475	4153	0.05%	0.011%
64	6.469	6.438	6.495	VV	5313	57535	0.70%	0.149%
65	6.517	6.495	6.555	VV	828	16228	0.20%	0.042%
66	6.587	6.555	6.625	VV	1585	27561	0.33%	0.072%
67	6.640	6.625	6.656	VV	2032	25085	0.30%	0.065%
68	6.681	6.656	6.732	VV	5289	92873	1.12%	0.241%
69	6.767	6.732	6.792	VV	3561	51827	0.63%	0.135%
70	6.811	6.792	6.834	VV	2453	32598	0.39%	0.085%
71	6.839	6.834	6.859	VV	658	7895	0.10%	0.021%
72	6.873	6.859	6.889	VV	859	9881	0.12%	0.026%
73	6.927	6.889	6.961	VV	5170	64342	0.78%	0.167%
74	6.986	6.961	7.000	VV	952	12208	0.15%	0.032%
75	7.003	7.000	7.019	VV	706	4571	0.06%	0.012%
76	7.035	7.019	7.045	VV	1220	10481	0.13%	0.027%
77	7.068	7.045	7.089	VV	1720	24856	0.30%	0.065%
78	7.127	7.089	7.143	VV	1670	29699	0.36%	0.077%
79	7.158	7.143	7.177	VV	1400	17316	0.21%	0.045%
80	7.183	7.177	7.191	VV	289	1739	0.02%	0.005%
81	7.235	7.191	7.251	VV	909	19101	0.23%	0.050%
82	7.265	7.251	7.270	VV	547	5646	0.07%	0.015%
83	7.277	7.270	7.306	VV	558	8750	0.11%	0.023%
84	7.326	7.306	7.340	VV	3767	40645	0.49%	0.106%
85	7.367	7.340	7.430	VV	854734	8259041	100.00%	21.447%
86	7.453	7.430	7.476	VV	7443	95796	1.16%	0.249%
87	7.490	7.476	7.519	VV	1521	29348	0.36%	0.076%
88	7.523	7.519	7.542	VV	702	7841	0.09%	0.020%
89	7.549	7.542	7.570	VV	696	10049	0.12%	0.026%

rteres

90	7.575	7.570	7.609	VV	759	12016	0.15%	0.031%
91	7.631	7.609	7.674	PV	1352	22325	0.27%	0.058%
92	7.704	7.674	7.739	VV	971	27633	0.33%	0.072%
93	7.756	7.739	7.781	VV	1409	19380	0.23%	0.050%
94	7.834	7.781	7.868	VV	3224	68373	0.83%	0.178%
95	7.880	7.868	7.894	VV	473	5846	0.07%	0.015%
96	7.932	7.894	7.989	VV	3132	54014	0.65%	0.140%
97	8.031	7.989	8.036	VV	1315	21469	0.26%	0.056%
98	8.041	8.036	8.057	VV	1208	12643	0.15%	0.033%
99	8.080	8.057	8.100	VV	1193	21521	0.26%	0.056%
100	8.106	8.100	8.112	VV	465	2983	0.04%	0.008%
101	8.122	8.112	8.144	VV	944	13073	0.16%	0.034%
102	8.161	8.144	8.187	VV	1313	16432	0.20%	0.043%
103	8.216	8.187	8.263	VV	468793	4879563	59.08%	12.671%
104	8.277	8.263	8.347	VV	8159	179647	2.18%	0.467%
105	8.354	8.347	8.370	VV	1883	22296	0.27%	0.058%
106	8.387	8.370	8.400	VV	1756	27370	0.33%	0.071%
107	8.418	8.400	8.429	VV	1639	24940	0.30%	0.065%
108	8.435	8.429	8.452	VV	1421	16614	0.20%	0.043%
109	8.471	8.452	8.508	VV	1861	45198	0.55%	0.117%
110	8.530	8.508	8.549	VV	1074	16997	0.21%	0.044%
111	8.582	8.549	8.602	VV	1049	23330	0.28%	0.061%
112	8.651	8.602	8.670	VV	7347	119008	1.44%	0.309%
113	8.686	8.670	8.699	VV	2157	28471	0.34%	0.074%
114	8.713	8.699	8.734	VV	1986	32438	0.39%	0.084%
115	8.762	8.734	8.796	VV	4123	83332	1.01%	0.216%
116	8.802	8.796	8.821	VV	1308	18048	0.22%	0.047%
117	8.833	8.821	8.852	VV	1562	19098	0.23%	0.050%
118	8.882	8.852	8.918	VV	983	23121	0.28%	0.060%
119	8.941	8.918	8.950	VV	571	8646	0.10%	0.022%
120	8.964	8.950	8.998	VV	812	13221	0.16%	0.034%
121	9.028	8.998	9.040	PV	1013	12258	0.15%	0.032%
122	9.049	9.040	9.072	VV	967	11598	0.14%	0.030%
123	9.078	9.072	9.090	VV	412	3175	0.04%	0.008%
124	9.111	9.090	9.159	VV	1891	35198	0.43%	0.091%
125	9.180	9.159	9.200	VV	780	12594	0.15%	0.033%
126	9.215	9.200	9.224	VV	499	5035	0.06%	0.013%
127	9.227	9.224	9.231	VV	498	1710	0.02%	0.004%
128	9.248	9.231	9.271	VV	858	10587	0.13%	0.027%
129	9.281	9.271	9.285	PV	189	1173	0.01%	0.003%
130	9.306	9.285	9.324	VV	652	9119	0.11%	0.024%
131	9.346	9.324	9.362	VV	4323	49906	0.60%	0.130%
132	9.380	9.362	9.427	VV	19928	275920	3.34%	0.717%
133	9.435	9.427	9.450	VV	1565	19690	0.24%	0.051%
134	9.454	9.450	9.490	VV	1222	21021	0.25%	0.055%
135	9.495	9.490	9.500	VV	542	3280	0.04%	0.009%
136	9.521	9.500	9.546	VV	1655	22845	0.28%	0.059%
137	9.598	9.566	9.610	VV	550	9651	0.12%	0.025%
138	9.614	9.610	9.644	VV	580	6225	0.08%	0.016%
139	9.670	9.644	9.682	VV	677	10405	0.13%	0.027%
140	9.687	9.682	9.706	VV	563	5355	0.06%	0.014%
141	9.724	9.706	9.745	PV	1655	19473	0.24%	0.051%

rteres

142	9.757	9.745	9.774	VV	966	12008	0.15%	0.031%
143	9.780	9.774	9.808	VV	661	9588	0.12%	0.025%
144	9.840	9.808	9.861	VV	937	16663	0.20%	0.043%
145	9.886	9.861	9.895	VV	712	9052	0.11%	0.024%
146	9.898	9.895	9.902	VV	590	2046	0.02%	0.005%
147	9.912	9.902	9.931	VV	728	9993	0.12%	0.026%
148	9.944	9.931	9.972	VV	982	15431	0.19%	0.040%
149	9.982	9.972	9.987	VV	818	5666	0.07%	0.015%
150	9.993	9.987	10.002	VV	683	5263	0.06%	0.014%
151	10.024	10.002	10.074	VV	3899	62934	0.76%	0.163%
152	10.107	10.074	10.138	PV	9008	124192	1.50%	0.322%
153	10.158	10.138	10.173	VV	3381	44497	0.54%	0.116%
154	10.185	10.173	10.198	VV	2306	27355	0.33%	0.071%
155	10.211	10.198	10.244	VV	2438	52027	0.63%	0.135%
156	10.256	10.244	10.278	VV	1128	20041	0.24%	0.052%
157	10.289	10.278	10.296	VV	1418	12685	0.15%	0.033%
158	10.312	10.296	10.335	VV	2363	39999	0.48%	0.104%
159	10.348	10.335	10.359	VV	1991	24712	0.30%	0.064%
160	10.374	10.359	10.399	VV	3079	51182	0.62%	0.133%
161	10.413	10.399	10.435	VV	1940	27784	0.34%	0.072%
162	10.475	10.435	10.494	VV	2730	56444	0.68%	0.147%
163	10.501	10.494	10.523	VV	1655	20820	0.25%	0.054%
164	10.541	10.523	10.602	VV	1603	50334	0.61%	0.131%
165	10.631	10.602	10.637	VV	824	13591	0.16%	0.035%
166	10.648	10.637	10.654	VV	1055	8737	0.11%	0.023%
167	10.674	10.654	10.698	VV	1384	25150	0.30%	0.065%
168	10.704	10.698	10.727	VV	711	7704	0.09%	0.020%
169	10.751	10.727	10.775	VV	499	9389	0.11%	0.024%
170	10.806	10.775	10.822	PV	480	9615	0.12%	0.025%
171	10.829	10.822	10.849	VV	405	3447	0.04%	0.009%
172	10.887	10.849	10.910	VV	1012	15440	0.19%	0.040%
173	10.925	10.910	10.936	VV	604	6435	0.08%	0.017%
174	10.953	10.936	10.970	VV	1616	18359	0.22%	0.048%
175	10.977	10.970	10.996	VV	513	5238	0.06%	0.014%
176	11.003	10.996	11.012	VV	355	2773	0.03%	0.007%
177	11.037	11.012	11.075	VV	1158	23784	0.29%	0.062%
178	11.099	11.075	11.127	VV	1864	27235	0.33%	0.071%
179	11.144	11.127	11.162	VV	811	9280	0.11%	0.024%
180	11.194	11.162	11.207	VV	731	10422	0.13%	0.027%
181	11.253	11.207	11.290	VV	707732	7396770	89.56%	19.208%
182	11.297	11.290	11.325	VV	1937	31310	0.38%	0.081%
183	11.342	11.325	11.359	VV	1733	27351	0.33%	0.071%
184	11.376	11.359	11.389	VV	1190	18368	0.22%	0.048%
185	11.420	11.389	11.455	VV	2115	48509	0.59%	0.126%
186	11.470	11.455	11.494	VV	942	16947	0.21%	0.044%
187	11.502	11.494	11.530	VV	722	10606	0.13%	0.028%
188	11.547	11.530	11.565	VV	622	10833	0.13%	0.028%
189	11.586	11.565	11.592	VV	1209	16322	0.20%	0.042%
190	11.605	11.592	11.624	VV	1812	27089	0.33%	0.070%
191	11.633	11.624	11.647	VV	1265	14912	0.18%	0.039%
192	11.671	11.647	11.693	VV	9536	122113	1.48%	0.317%
193	11.703	11.693	11.737	VV	2153	37104	0.45%	0.096%
194	11.748	11.737	11.772	VV	973	17775	0.22%	0.046%

rteres

195	11.780	11.772	11.790	VV	854	8286	0.10%	0.022%
196	11.831	11.790	11.844	VV	2274	45875	0.56%	0.119%
197	11.875	11.844	11.931	VV	102191	1263137	15.29%	3.280%
198	11.935	11.931	11.984	VV	1623	43060	0.52%	0.112%
199	11.993	11.984	12.010	VV	1314	17934	0.22%	0.047%
200	12.023	12.010	12.055	VV	1302	29500	0.36%	0.077%
201	12.089	12.055	12.100	VV	1643	36639	0.44%	0.095%
202	12.121	12.100	12.140	VV	5184	71212	0.86%	0.185%
203	12.160	12.140	12.184	VV	11326	142698	1.73%	0.371%
204	12.188	12.184	12.214	VV	1999	26128	0.32%	0.068%
205	12.231	12.214	12.237	VV	1839	18797	0.23%	0.049%
206	12.253	12.237	12.275	VV	2511	36054	0.44%	0.094%
207	12.299	12.275	12.387	VV	3809	102498	1.24%	0.266%
208	12.394	12.387	12.403	VV	663	4969	0.06%	0.013%
209	12.409	12.403	12.449	VV	554	11868	0.14%	0.031%
210	12.481	12.449	12.490	VV	827	13499	0.16%	0.035%
211	12.506	12.490	12.520	VV	1207	19367	0.23%	0.050%
212	12.527	12.520	12.567	VV	1070	20985	0.25%	0.054%
213	12.588	12.567	12.597	VV	4188	46278	0.56%	0.120%
214	12.617	12.597	12.643	VV	20163	251061	3.04%	0.652%
215	12.692	12.643	12.726	VV	115586	1387031	16.79%	3.602%
216	12.737	12.726	12.749	VV	1347	16456	0.20%	0.043%
217	12.753	12.749	12.794	VV	1334	25840	0.31%	0.067%
218	12.798	12.794	12.825	VV	797	11663	0.14%	0.030%
219	12.880	12.825	12.893	VV	1866	47220	0.57%	0.123%
220	12.917	12.893	12.959	VV	6370	128966	1.56%	0.335%
221	12.981	12.959	13.036	VV	2241	70555	0.85%	0.183%
222	13.093	13.036	13.166	VV	44543	651658	7.89%	1.692%
223	13.171	13.166	13.178	VV	1679	11050	0.13%	0.029%
224	13.194	13.178	13.211	VV	1914	34095	0.41%	0.089%
225	13.218	13.211	13.236	VV	1713	20201	0.24%	0.052%
226	13.241	13.236	13.260	VV	1262	17647	0.21%	0.046%
227	13.282	13.260	13.309	VV	4339	74843	0.91%	0.194%
228	13.327	13.309	13.336	VV	1621	23881	0.29%	0.062%
229	13.358	13.336	13.364	VV	1656	25944	0.31%	0.067%
230	13.368	13.364	13.375	VV	1485	8570	0.10%	0.022%
231	13.395	13.375	13.418	VV	1797	35493	0.43%	0.092%
232	13.448	13.418	13.518	VV	2920	87291	1.06%	0.227%
233	13.552	13.518	13.559	VV	774	16739	0.20%	0.043%
234	13.578	13.559	13.594	VV	865	14250	0.17%	0.037%
235	13.626	13.594	13.655	VV	1813	40439	0.49%	0.105%
236	13.663	13.655	13.669	VV	874	6826	0.08%	0.018%
237	13.695	13.669	13.738	VV	963	29426	0.36%	0.076%
238	13.743	13.738	13.754	VV	736	5259	0.06%	0.014%
239	13.777	13.754	13.814	VV	1201	33666	0.41%	0.087%
240	13.843	13.814	13.855	VV	2258	38800	0.47%	0.101%
241	13.876	13.855	13.893	VV	2421	46995	0.57%	0.122%
242	13.902	13.893	13.912	VV	1780	18184	0.22%	0.047%
243	13.918	13.912	13.941	VV	1638	21719	0.26%	0.056%
244	13.957	13.941	13.962	VV	1171	13157	0.16%	0.034%
245	13.980	13.962	13.990	VV	1312	19176	0.23%	0.050%
246	14.004	13.990	14.021	VV	1491	24030	0.29%	0.062%

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247	14.032	14.021	14.051	VV	1350	19063	0.23%	0.050%
248	14.070	14.051	14.074	VV	1539	15529	0.19%	0.040%
249	14.095	14.074	14.122	VV	2119	47822	0.58%	0.124%
250	14.152	14.122	14.175	VV	1883	45216	0.55%	0.117%
251	14.184	14.175	14.192	VV	1244	11273	0.14%	0.029%
252	14.217	14.192	14.252	VV	1772	49977	0.61%	0.130%
253	14.259	14.252	14.265	VV	1405	9783	0.12%	0.025%
254	14.308	14.265	14.335	VV	1762	58371	0.71%	0.152%
255	14.355	14.335	14.364	VV	1270	18102	0.22%	0.047%
256	14.402	14.364	14.429	VV	1394	44323	0.54%	0.115%
257	14.436	14.429	14.455	VV	1408	19319	0.23%	0.050%
258	14.471	14.455	14.482	VV	1875	24901	0.30%	0.065%
259	14.504	14.482	14.529	VV	3693	70813	0.86%	0.184%
260	14.542	14.529	14.570	VV	2739	47303	0.57%	0.123%
261	14.584	14.570	14.614	VV	1707	32829	0.40%	0.085%
262	14.622	14.614	14.631	VV	1069	10053	0.12%	0.026%
263	14.642	14.631	14.665	VV	1386	22135	0.27%	0.057%
264	14.672	14.665	14.701	VV	1018	17162	0.21%	0.045%
265	14.715	14.701	14.732	VV	721	12227	0.15%	0.032%
266	14.737	14.732	14.744	VV	722	4055	0.05%	0.011%
267	14.759	14.744	14.765	VV	895	8645	0.10%	0.022%
268	14.770	14.765	14.777	VV	859	5962	0.07%	0.015%
269	14.790	14.777	14.805	VV	1028	14707	0.18%	0.038%
270	14.810	14.805	14.836	VV	860	13656	0.17%	0.035%
271	14.841	14.836	14.858	VV	814	7660	0.09%	0.020%
272	14.919	14.858	15.002	VV	28108	582954	7.06%	1.514%
273	15.022	15.002	15.039	VV	1790	35122	0.43%	0.091%
274	15.071	15.039	15.097	VV	16485	234263	2.84%	0.608%
275	15.106	15.097	15.122	VV	1400	18332	0.22%	0.048%
276	15.152	15.122	15.172	VV	2276	48267	0.58%	0.125%
277	15.186	15.172	15.205	VV	1111	19468	0.24%	0.051%
278	15.217	15.205	15.223	VV	749	7911	0.10%	0.021%
279	15.248	15.223	15.262	VV	982	20690	0.25%	0.054%
280	15.279	15.262	15.307	VV	1239	29285	0.35%	0.076%
281	15.317	15.307	15.331	VV	871	11308	0.14%	0.029%
282	15.361	15.331	15.368	VV	1031	17989	0.22%	0.047%
283	15.387	15.368	15.418	VV	1432	32327	0.39%	0.084%
284	15.439	15.418	15.485	VV	1723	47829	0.58%	0.124%
285	15.488	15.485	15.500	VV	718	5780	0.07%	0.015%
286	15.516	15.500	15.537	VV	1207	21803	0.26%	0.057%
287	15.559	15.537	15.582	VV	2504	41525	0.50%	0.108%
288	15.616	15.582	15.664	VV	1896	40255	0.49%	0.105%
289	15.671	15.664	15.685	VV	390	2616	0.03%	0.007%
290	15.727	15.685	15.766	PV	1164	26945	0.33%	0.070%
291	15.785	15.766	15.806	VV	598	10562	0.13%	0.027%
292	15.843	15.806	15.858	VV	650	17119	0.21%	0.044%
293	15.870	15.858	15.887	VV	898	11667	0.14%	0.030%
294	15.930	15.887	15.999	VV	11803	270396	3.27%	0.702%
295	16.016	15.999	16.087	VV	3410	103610	1.25%	0.269%
296	16.112	16.087	16.139	VV	2397	42100	0.51%	0.109%
297	16.165	16.139	16.192	VV	2072	41851	0.51%	0.109%
298	16.200	16.192	16.212	VV	905	10541	0.13%	0.027%
299	16.229	16.212	16.245	VV	1411	20143	0.24%	0.052%

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300	16.261	16.245	16.270	VV	1173	15097	0.18%	0.039%
301	16.281	16.270	16.295	VV	1354	18454	0.22%	0.048%
302	16.323	16.295	16.344	VV	5088	92177	1.12%	0.239%
303	16.356	16.344	16.377	VV	3563	49375	0.60%	0.128%
304	16.404	16.377	16.452	VV	3520	103682	1.26%	0.269%
305	16.501	16.452	16.519	VV	3615	104940	1.27%	0.273%
306	16.544	16.519	16.619	VV	16094	314205	3.80%	0.816%
307	16.635	16.619	16.679	VV	1510	39079	0.47%	0.101%
308	16.705	16.679	16.737	VV	1717	38788	0.47%	0.101%
309	16.752	16.737	16.763	VV	1074	14076	0.17%	0.037%
310	16.797	16.763	16.839	VV	2149	63060	0.76%	0.164%
311	16.872	16.839	16.927	VV	7047	186833	2.26%	0.485%
312	16.950	16.927	17.002	VV	4694	102810	1.24%	0.267%
313	17.024	17.002	17.045	VV	1621	35215	0.43%	0.091%
314	17.085	17.045	17.124	VV	1605	52357	0.63%	0.136%
315	17.129	17.124	17.147	VV	631	6515	0.08%	0.017%
316	17.184	17.147	17.216	VV	669	18337	0.22%	0.048%
317	17.243	17.216	17.262	PV	1450	22767	0.28%	0.059%
318	17.274	17.262	17.294	VV	805	11308	0.14%	0.029%
319	17.357	17.294	17.370	VV	2129	65006	0.79%	0.169%
320	17.385	17.370	17.409	VV	3423	49952	0.60%	0.130%
321	17.473	17.409	17.504	VV	4863	108229	1.31%	0.281%
322	17.553	17.504	17.653	VV	102827	1860033	22.52%	4.830%
323	17.701	17.653	17.725	VV	77059	1086447	13.15%	2.821%
324	17.743	17.725	17.791	VV	20737	503598	6.10%	1.308%
325	17.805	17.791	17.837	VV	7497	135624	1.64%	0.352%
326	17.846	17.837	17.864	VV	1957	27111	0.33%	0.070%
327	17.884	17.864	17.902	VV	5688	86267	1.04%	0.224%
328	17.918	17.902	17.967	VV	5167	82096	0.99%	0.213%
329	18.042	17.967	18.103	PV	10068	300931	3.64%	0.781%
330	18.162	18.103	18.186	PV	9308	117169	1.42%	0.304%

Sum of corrected areas: 38509378

Aromatic EPH 111424.M Tue Nov 19 06:21:47 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067814.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 02:45
Operator : YP/AJ
Sample : P4860-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PH2-BOT-003

Integration File: sample.E
Quant Time: Nov 19 10:46:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 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...	12.930	4193020	28.885 ug/ml
Spiked Amount 50.000		Recovery = 57.77%	
Target Compounds			

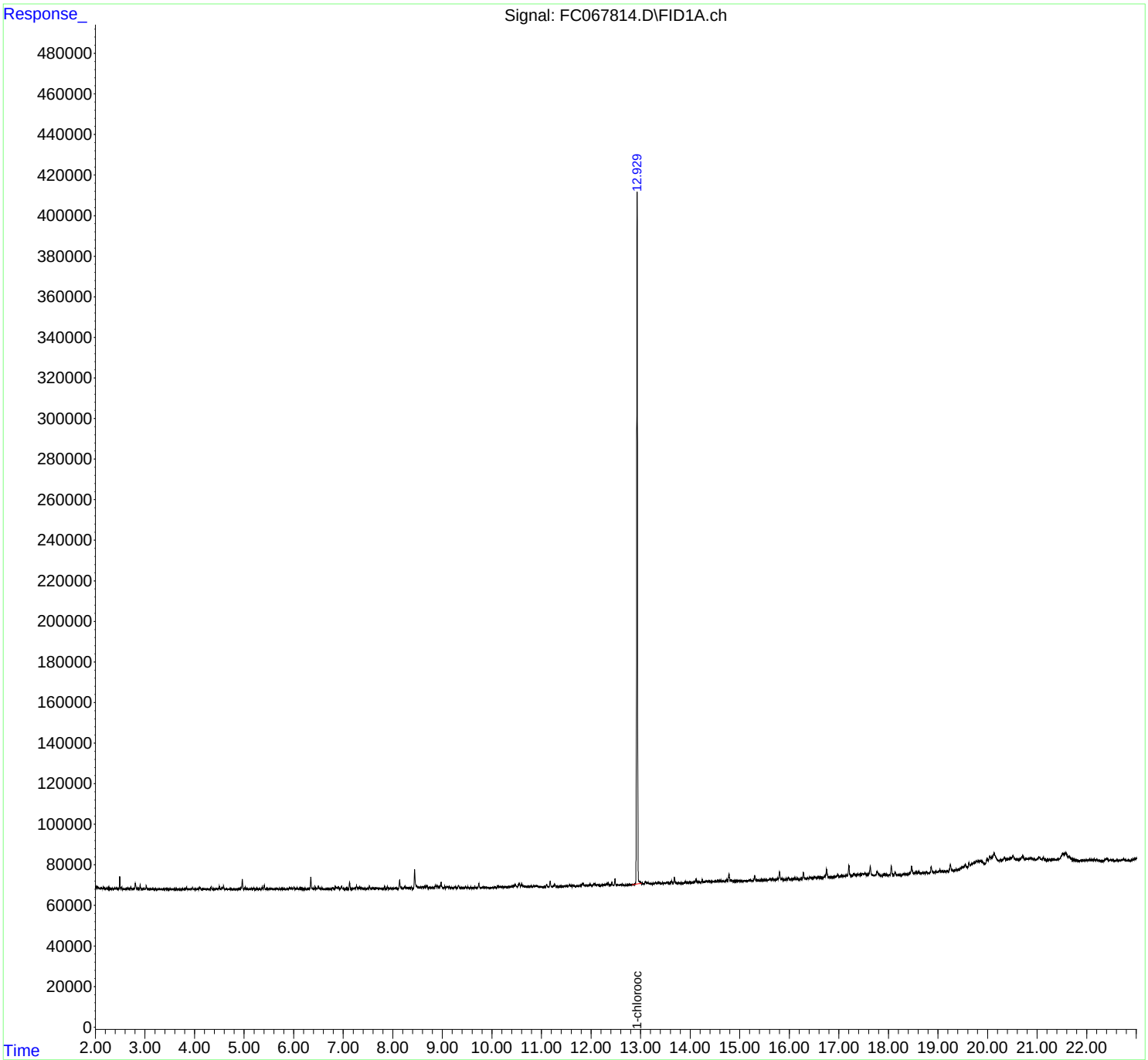
(f)=RT Delta > 1/2 Window (m)=manual int.

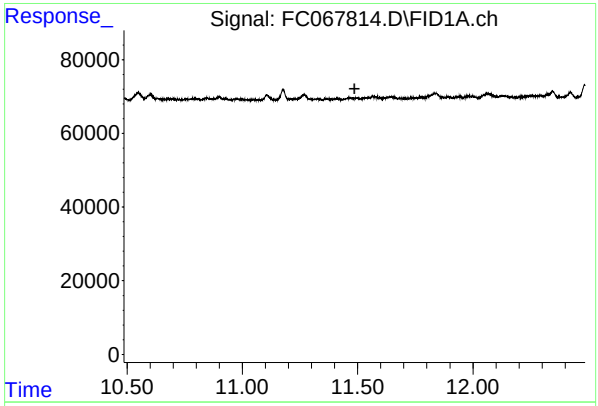
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067814.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 02:45
Operator : YP/AJ
Sample : P4860-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PH2-BOT-003

Integration File: sample.E
Quant Time: Nov 19 10:46:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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

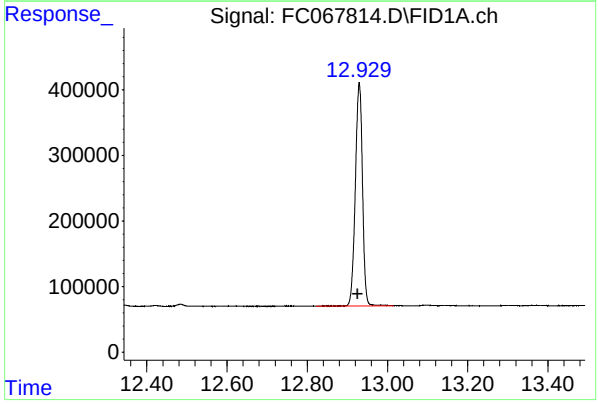




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.486 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PH2-BOT-003



#12 1-chlorooctadecane (SURR)

R.T.: 12.930 min
Delta R.T.: 0.004 min
Response: 4193020
Conc: 28.89 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067814.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 02:45
Sample : P4860-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.249	3.225	3.255	BV	58	66	0.00%	0.000%
2	3.273	3.255	3.348	PV	311	5012	0.12%	0.024%
3	3.370	3.348	3.388	PV	188	2267	0.05%	0.011%
4	3.394	3.388	3.404	VV	123	734	0.02%	0.003%
5	3.425	3.404	3.463	VV	472	5366	0.13%	0.025%
6	3.477	3.463	3.485	VV	124	876	0.02%	0.004%
7	3.527	3.485	3.537	VV	107	2207	0.05%	0.010%
8	3.548	3.537	3.561	VV	181	1636	0.04%	0.008%
9	3.571	3.561	3.581	VV	194	1692	0.04%	0.008%
10	3.594	3.581	3.624	VV	371	4255	0.10%	0.020%
11	3.639	3.624	3.651	VV	248	2470	0.06%	0.012%
12	3.660	3.651	3.721	VV	217	4143	0.10%	0.020%
13	3.761	3.721	3.813	VV	454	9120	0.21%	0.043%
14	3.836	3.813	3.921	VV	987	15276	0.36%	0.072%
15	3.936	3.921	3.948	VV	566	5668	0.13%	0.027%
16	3.963	3.948	3.998	VV	1094	11567	0.27%	0.055%
17	4.005	3.998	4.016	VV	127	740	0.02%	0.004%
18	4.030	4.016	4.046	PV	187	2107	0.05%	0.010%
19	4.110	4.046	4.162	VV	1020	21066	0.49%	0.100%
20	4.169	4.162	4.188	VV	174	2129	0.05%	0.010%
21	4.201	4.188	4.247	VV	163	4839	0.11%	0.023%
22	4.259	4.247	4.274	VV	222	2930	0.07%	0.014%
23	4.287	4.274	4.314	VV	212	3510	0.08%	0.017%
24	4.334	4.314	4.359	VV	858	11365	0.27%	0.054%
25	4.374	4.359	4.411	VV	361	6093	0.14%	0.029%
26	4.443	4.411	4.467	VV	495	9397	0.22%	0.045%
27	4.501	4.467	4.520	VV	1447	18700	0.44%	0.089%
28	4.556	4.520	4.570	VV	1295	16225	0.38%	0.077%
29	4.586	4.570	4.614	VV	1893	19727	0.46%	0.094%
30	4.624	4.614	4.634	VV	160	1971	0.05%	0.009%
31	4.706	4.634	4.760	VV	354	12901	0.30%	0.061%
32	4.778	4.760	4.871	VV	197	6293	0.15%	0.030%
33	4.886	4.871	4.902	VV	300	3567	0.08%	0.017%
34	4.964	4.902	4.998	VV	5022	65977	1.55%	0.313%
35	5.021	4.998	5.059	VV	1045	14257	0.33%	0.068%
36	5.071	5.059	5.108	VV	229	3672	0.09%	0.017%

rteres

37	5.122	5.108	5.137	VV	233	2565	0.06%	0.012%
38	5.155	5.137	5.171	VV	356	4455	0.10%	0.021%
39	5.189	5.171	5.220	VV	477	7877	0.18%	0.037%
40	5.257	5.220	5.305	VV	292	7761	0.18%	0.037%
41	5.334	5.305	5.345	VV	310	4300	0.10%	0.020%
42	5.367	5.345	5.383	VV	1114	12028	0.28%	0.057%
43	5.407	5.383	5.429	VV	2024	24306	0.57%	0.115%
44	5.464	5.429	5.485	VV	531	7469	0.18%	0.035%
45	5.549	5.485	5.580	VV	444	11743	0.28%	0.056%
46	5.614	5.580	5.631	VV	255	4263	0.10%	0.020%
47	5.658	5.631	5.685	VV	502	8350	0.20%	0.040%
48	5.711	5.685	5.762	VV	286	8090	0.19%	0.038%
49	5.771	5.762	5.802	VV	156	2501	0.06%	0.012%
50	5.818	5.802	5.851	VV	329	5197	0.12%	0.025%
51	5.868	5.851	5.885	VV	286	4373	0.10%	0.021%
52	5.916	5.885	5.943	VV	694	13368	0.31%	0.063%
53	5.964	5.943	5.985	VV	624	9335	0.22%	0.044%
54	6.006	5.985	6.037	VV	1181	14713	0.35%	0.070%
55	6.068	6.037	6.102	VV	709	11263	0.26%	0.053%
56	6.140	6.102	6.168	VV	453	10371	0.24%	0.049%
57	6.177	6.168	6.208	VV	130	3179	0.07%	0.015%
58	6.237	6.208	6.255	VV	258	4053	0.10%	0.019%
59	6.271	6.255	6.298	VV	208	2722	0.06%	0.013%
60	6.347	6.298	6.378	VV	6012	65928	1.55%	0.313%
61	6.390	6.378	6.408	VV	263	3902	0.09%	0.019%
62	6.431	6.408	6.451	VV	925	10300	0.24%	0.049%
63	6.465	6.451	6.478	VV	547	5665	0.13%	0.027%
64	6.496	6.478	6.515	VV	1557	16635	0.39%	0.079%
65	6.529	6.515	6.551	VV	556	7087	0.17%	0.034%
66	6.568	6.551	6.598	VV	810	9342	0.22%	0.044%
67	6.616	6.598	6.693	VV	164	7256	0.17%	0.034%
68	6.742	6.693	6.761	VV	264	5989	0.14%	0.028%
69	6.788	6.761	6.815	VV	855	11492	0.27%	0.055%
70	6.842	6.815	6.878	VV	1280	24125	0.57%	0.114%
71	6.901	6.878	6.933	VV	907	19612	0.46%	0.093%
72	6.967	6.933	6.990	VV	1514	22581	0.53%	0.107%
73	7.004	6.990	7.030	VV	247	3364	0.08%	0.016%
74	7.073	7.030	7.098	VV	384	7683	0.18%	0.036%
75	7.129	7.098	7.156	PV	3496	38735	0.91%	0.184%
76	7.189	7.156	7.198	VV	444	5631	0.13%	0.027%
77	7.206	7.198	7.219	VV	501	4184	0.10%	0.020%
78	7.236	7.219	7.248	VV	628	6854	0.16%	0.033%
79	7.268	7.248	7.292	VV	1495	20797	0.49%	0.099%
80	7.333	7.292	7.348	VV	744	16010	0.38%	0.076%
81	7.360	7.348	7.385	VV	857	11563	0.27%	0.055%
82	7.400	7.385	7.412	VV	292	4033	0.09%	0.019%
83	7.428	7.412	7.455	VV	375	6660	0.16%	0.032%
84	7.481	7.455	7.491	VV	305	4395	0.10%	0.021%
85	7.530	7.491	7.559	VV	1519	21302	0.50%	0.101%
86	7.615	7.559	7.648	VV	432	14824	0.35%	0.070%
87	7.674	7.648	7.687	VV	390	6882	0.16%	0.033%
88	7.697	7.687	7.713	VV	390	4811	0.11%	0.023%
89	7.724	7.713	7.735	VV	317	3064	0.07%	0.015%

rteres

90	7.744	7.735	7.761	VV	302	3292	0.08%	0.016%
91	7.793	7.761	7.813	VV	311	5332	0.13%	0.025%
92	7.834	7.813	7.861	VV	1112	12594	0.30%	0.060%
93	7.891	7.861	7.915	VV	1065	13494	0.32%	0.064%
94	7.925	7.915	7.941	VV	282	3493	0.08%	0.017%
95	7.959	7.941	7.978	VV	416	5584	0.13%	0.026%
96	7.992	7.978	8.020	VV	201	4276	0.10%	0.020%
97	8.046	8.020	8.074	VV	529	8625	0.20%	0.041%
98	8.085	8.074	8.101	VV	188	2811	0.07%	0.013%
99	8.139	8.101	8.208	VV	4477	68196	1.60%	0.323%
100	8.237	8.208	8.270	VV	847	21731	0.51%	0.103%
101	8.289	8.270	8.314	VV	687	11262	0.26%	0.053%
102	8.332	8.314	8.352	VV	556	8235	0.19%	0.039%
103	8.371	8.352	8.408	VV	794	9995	0.23%	0.047%
104	8.442	8.408	8.524	PV	9507	153542	3.61%	0.728%
105	8.557	8.524	8.575	VV	700	17594	0.41%	0.083%
106	8.598	8.575	8.612	VV	921	16303	0.38%	0.077%
107	8.628	8.612	8.638	VV	874	11237	0.26%	0.053%
108	8.649	8.638	8.659	VV	948	10210	0.24%	0.048%
109	8.677	8.659	8.725	VV	1383	33007	0.78%	0.157%
110	8.742	8.725	8.778	VV	860	15923	0.37%	0.076%
111	8.793	8.778	8.811	VV	652	8899	0.21%	0.042%
112	8.859	8.811	8.875	VV	1857	30167	0.71%	0.143%
113	8.895	8.875	8.940	VV	1380	36953	0.87%	0.175%
114	8.975	8.940	9.025	VV	3153	62764	1.47%	0.298%
115	9.046	9.025	9.066	VV	1020	13371	0.31%	0.063%
116	9.097	9.066	9.126	VV	998	23383	0.55%	0.111%
117	9.140	9.126	9.166	VV	708	12808	0.30%	0.061%
118	9.177	9.166	9.224	VV	471	10665	0.25%	0.051%
119	9.261	9.224	9.300	VV	755	20359	0.48%	0.097%
120	9.324	9.300	9.364	VV	1534	26431	0.62%	0.125%
121	9.397	9.364	9.438	VV	459	13394	0.31%	0.064%
122	9.465	9.438	9.501	VV	827	15075	0.35%	0.071%
123	9.516	9.501	9.542	VV	698	9429	0.22%	0.045%
124	9.570	9.542	9.631	PV	568	13422	0.32%	0.064%
125	9.656	9.631	9.711	VV	606	13084	0.31%	0.062%
126	9.738	9.711	9.788	VV	2305	33274	0.78%	0.158%
127	9.809	9.788	9.864	VV	487	14905	0.35%	0.071%
128	9.885	9.864	9.897	VV	342	4393	0.10%	0.021%
129	9.910	9.897	9.957	VV	348	4965	0.12%	0.024%
130	9.979	9.957	9.998	VV	152	2690	0.06%	0.013%
131	10.011	9.998	10.031	VV	295	4388	0.10%	0.021%
132	10.059	10.031	10.072	VV	512	8820	0.21%	0.042%
133	10.087	10.072	10.097	VV	345	4330	0.10%	0.021%
134	10.127	10.097	10.150	VV	1146	21223	0.50%	0.101%
135	10.168	10.150	10.189	VV	713	11995	0.28%	0.057%
136	10.211	10.189	10.237	VV	565	12155	0.29%	0.058%
137	10.249	10.237	10.255	VV	328	3148	0.07%	0.015%
138	10.287	10.255	10.313	VV	362	10584	0.25%	0.050%
139	10.339	10.313	10.351	VV	698	10426	0.24%	0.049%
140	10.370	10.351	10.386	VV	674	11787	0.28%	0.056%
141	10.413	10.386	10.435	VV	940	21005	0.49%	0.100%

rteres

142	10.473	10.435	10.511	VV	1394	41326	0.97%	0.196%
143	10.547	10.511	10.578	VV	2264	51656	1.21%	0.245%
144	10.602	10.578	10.659	VV	1814	45171	1.06%	0.214%
145	10.682	10.659	10.715	VV	541	14362	0.34%	0.068%
146	10.721	10.715	10.743	VV	349	5907	0.14%	0.028%
147	10.789	10.743	10.824	VV	623	20919	0.49%	0.099%
148	10.845	10.824	10.871	VV	726	14933	0.35%	0.071%
149	10.900	10.871	10.916	VV	1006	17640	0.41%	0.084%
150	10.927	10.916	10.945	VV	512	6660	0.16%	0.032%
151	10.973	10.945	11.038	VV	414	13331	0.31%	0.063%
152	11.065	11.038	11.078	VV	199	2920	0.07%	0.014%
153	11.106	11.078	11.147	VV	1410	21800	0.51%	0.103%
154	11.177	11.147	11.214	VV	2891	39376	0.92%	0.187%
155	11.226	11.214	11.238	VV	308	3777	0.09%	0.018%
156	11.268	11.238	11.305	VV	1491	26794	0.63%	0.127%
157	11.328	11.305	11.345	VV	330	3985	0.09%	0.019%
158	11.368	11.345	11.388	PV	240	3497	0.08%	0.017%
159	11.410	11.388	11.430	VV	341	4468	0.10%	0.021%
160	11.466	11.430	11.481	VV	498	8388	0.20%	0.040%
161	11.494	11.481	11.515	VV	378	5840	0.14%	0.028%
162	11.568	11.515	11.611	VV	851	27868	0.65%	0.132%
163	11.650	11.611	11.675	VV	597	16402	0.39%	0.078%
164	11.686	11.675	11.715	VV	231	3643	0.09%	0.017%
165	11.773	11.715	11.787	VV	373	11725	0.28%	0.056%
166	11.839	11.787	11.878	VV	1483	43822	1.03%	0.208%
167	11.890	11.878	11.908	VV	426	6759	0.16%	0.032%
168	11.940	11.908	11.959	VV	538	11752	0.28%	0.056%
169	11.979	11.959	12.028	VV	623	17540	0.41%	0.083%
170	12.064	12.028	12.105	VV	1296	37199	0.87%	0.176%
171	12.130	12.105	12.192	VV	581	19846	0.47%	0.094%
172	12.254	12.192	12.272	VV	676	18953	0.45%	0.090%
173	12.346	12.272	12.381	VV	1794	46151	1.08%	0.219%
174	12.422	12.381	12.447	VV	1439	21840	0.51%	0.104%
175	12.484	12.447	12.511	VV	3409	43210	1.01%	0.205%
176	12.521	12.511	12.564	VV	362	7862	0.18%	0.037%
177	12.604	12.564	12.615	VV	455	9269	0.22%	0.044%
178	12.625	12.615	12.665	VV	483	6564	0.15%	0.031%
179	12.685	12.665	12.711	PV	82	1084	0.03%	0.005%
180	12.758	12.711	12.796	PV	381	12262	0.29%	0.058%
181	12.848	12.796	12.864	VV	398	9923	0.23%	0.047%
182	12.930	12.864	13.073	VV	340154	4258230	100.00%	20.196%
183	13.097	13.073	13.129	VV	1530	32339	0.76%	0.153%
184	13.148	13.129	13.188	VV	836	22306	0.52%	0.106%
185	13.211	13.188	13.236	VV	494	10865	0.26%	0.052%
186	13.249	13.236	13.268	VV	468	6704	0.16%	0.032%
187	13.295	13.268	13.306	VV	867	14027	0.33%	0.067%
188	13.312	13.306	13.337	VV	845	11488	0.27%	0.054%
189	13.372	13.337	13.411	VV	828	27475	0.65%	0.130%
190	13.448	13.411	13.465	VV	509	12223	0.29%	0.058%
191	13.529	13.465	13.570	VV	712	33984	0.80%	0.161%
192	13.627	13.570	13.654	VV	1377	32849	0.77%	0.156%
193	13.680	13.654	13.718	VV	3289	47000	1.10%	0.223%
194	13.742	13.718	13.755	VV	326	4887	0.11%	0.023%

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195	13.778	13.755	13.788	VV	360	4190	0.10%	0.020%
196	13.828	13.788	13.848	VV	251	5699	0.13%	0.027%
197	13.862	13.848	13.870	VV	164	1391	0.03%	0.007%
198	13.915	13.870	13.945	VV	704	18514	0.43%	0.088%
199	13.980	13.945	14.001	VV	434	11499	0.27%	0.055%
200	14.014	14.001	14.048	VV	520	9402	0.22%	0.045%
201	14.078	14.048	14.091	VV	624	11318	0.27%	0.054%
202	14.117	14.091	14.161	VV	2037	38804	0.91%	0.184%
203	14.178	14.161	14.218	VV	512	13901	0.33%	0.066%
204	14.241	14.218	14.277	VV	1609	26736	0.63%	0.127%
205	14.318	14.277	14.351	VV	793	25637	0.60%	0.122%
206	14.379	14.351	14.425	VV	937	30343	0.71%	0.144%
207	14.431	14.425	14.463	VV	602	10516	0.25%	0.050%
208	14.495	14.463	14.515	VV	791	18548	0.44%	0.088%
209	14.527	14.515	14.539	VV	626	7892	0.19%	0.037%
210	14.566	14.539	14.606	VV	958	27576	0.65%	0.131%
211	14.627	14.606	14.660	VV	682	17214	0.40%	0.082%
212	14.673	14.660	14.697	VV	666	10181	0.24%	0.048%
213	14.739	14.697	14.756	VV	1147	26036	0.61%	0.123%
214	14.783	14.756	14.812	VV	4082	64708	1.52%	0.307%
215	14.829	14.812	14.871	VV	774	20690	0.49%	0.098%
216	14.885	14.871	14.897	VV	434	6092	0.14%	0.029%
217	14.916	14.897	14.939	VV	424	9083	0.21%	0.043%
218	14.978	14.939	15.002	VV	538	13262	0.31%	0.063%
219	15.025	15.002	15.063	VV	396	11564	0.27%	0.055%
220	15.097	15.063	15.151	VV	329	13945	0.33%	0.066%
221	15.202	15.151	15.242	VV	700	19921	0.47%	0.094%
222	15.256	15.242	15.271	VV	393	5189	0.12%	0.025%
223	15.302	15.271	15.332	VV	2905	45314	1.06%	0.215%
224	15.343	15.332	15.348	VV	571	4915	0.12%	0.023%
225	15.354	15.348	15.395	VV	478	9946	0.23%	0.047%
226	15.422	15.395	15.471	VV	368	14394	0.34%	0.068%
227	15.484	15.471	15.497	VV	509	5936	0.14%	0.028%
228	15.517	15.497	15.565	VV	598	15400	0.36%	0.073%
229	15.620	15.565	15.640	VV	846	26394	0.62%	0.125%
230	15.663	15.640	15.695	VV	759	18460	0.43%	0.088%
231	15.703	15.695	15.728	VV	536	7318	0.17%	0.035%
232	15.762	15.728	15.776	VV	936	17995	0.42%	0.085%
233	15.802	15.776	15.832	VV	4187	69333	1.63%	0.329%
234	15.842	15.832	15.894	VV	858	20710	0.49%	0.098%
235	15.944	15.894	15.961	VV	534	15092	0.35%	0.072%
236	15.986	15.961	16.035	VV	1037	29051	0.68%	0.138%
237	16.048	16.035	16.067	VV	460	7220	0.17%	0.034%
238	16.114	16.067	16.139	VV	913	26937	0.63%	0.128%
239	16.162	16.139	16.215	VV	724	20724	0.49%	0.098%
240	16.251	16.215	16.260	VV	571	11460	0.27%	0.054%
241	16.284	16.260	16.313	VV	3584	54807	1.29%	0.260%
242	16.325	16.313	16.358	VV	722	14874	0.35%	0.071%
243	16.372	16.358	16.383	VV	611	7959	0.19%	0.038%
244	16.436	16.383	16.481	VV	990	45029	1.06%	0.214%
245	16.510	16.481	16.561	VV	1070	39263	0.92%	0.186%
246	16.593	16.561	16.688	VV	1071	62211	1.46%	0.295%

rteres

247	16.716	16.688	16.725	VV	1501	25309	0.59%	0.120%
248	16.750	16.725	16.795	VV	4780	98610	2.32%	0.468%
249	16.802	16.795	16.821	VV	923	13363	0.31%	0.063%
250	16.868	16.821	16.889	VV	1003	33416	0.78%	0.158%
251	16.939	16.889	16.955	VV	1147	35630	0.84%	0.169%
252	16.983	16.955	17.020	VV	1780	47225	1.11%	0.224%
253	17.042	17.020	17.065	VV	1332	31569	0.74%	0.150%
254	17.077	17.065	17.107	VV	1381	31355	0.74%	0.149%
255	17.146	17.107	17.170	VV	1514	50619	1.19%	0.240%
256	17.201	17.170	17.244	VV	6255	123386	2.90%	0.585%
257	17.261	17.244	17.274	VV	1258	21484	0.50%	0.102%
258	17.304	17.274	17.341	VV	1984	66371	1.56%	0.315%
259	17.363	17.341	17.371	VV	1692	28496	0.67%	0.135%
260	17.392	17.371	17.415	VV	1912	45590	1.07%	0.216%
261	17.424	17.415	17.446	VV	1776	29891	0.70%	0.142%
262	17.482	17.446	17.503	VV	2030	61077	1.43%	0.290%
263	17.528	17.503	17.561	VV	2117	64022	1.50%	0.304%
264	17.573	17.561	17.588	VV	1562	23959	0.56%	0.114%
265	17.633	17.588	17.728	VV	5597	172597	4.05%	0.819%
266	17.770	17.728	17.861	VV	2822	121891	2.86%	0.578%
267	17.879	17.861	17.888	VV	848	12584	0.30%	0.060%
268	17.913	17.888	17.951	VV	1402	44744	1.05%	0.212%
269	17.970	17.951	17.994	VV	1424	29565	0.69%	0.140%
270	18.014	17.994	18.031	VV	1157	22506	0.53%	0.107%
271	18.057	18.031	18.095	VV	5279	98807	2.32%	0.469%
272	18.136	18.095	18.190	VV	2513	70911	1.67%	0.336%
273	18.203	18.190	18.229	VV	1003	17687	0.42%	0.084%
274	18.318	18.229	18.404	VV	1349	107071	2.51%	0.508%
275	18.468	18.404	18.514	VV	4903	144233	3.39%	0.684%
276	18.558	18.514	18.579	VV	2076	65197	1.53%	0.309%
277	18.608	18.579	18.662	VV	1830	78435	1.84%	0.372%
278	18.669	18.662	18.701	VV	1440	32678	0.77%	0.155%
279	18.729	18.701	18.739	VV	1581	33982	0.80%	0.161%
280	18.768	18.739	18.821	VV	1819	71305	1.67%	0.338%
281	18.863	18.821	18.925	VV	4428	139519	3.28%	0.662%
282	18.956	18.925	18.978	VV	2040	55378	1.30%	0.263%
283	19.038	18.978	19.105	VV	2636	148797	3.49%	0.706%
284	19.133	19.105	19.155	VV	2054	54594	1.28%	0.259%
285	19.168	19.155	19.179	VV	1888	26855	0.63%	0.127%
286	19.194	19.179	19.206	VV	1977	30495	0.72%	0.145%
287	19.249	19.206	19.319	VV	5258	194286	4.56%	0.921%
288	19.369	19.319	19.405	VV	2559	120447	2.83%	0.571%
289	19.412	19.405	19.417	VV	2565	18654	0.44%	0.088%
290	19.513	19.417	19.522	VV	3867	205292	4.82%	0.974%
291	19.552	19.522	19.597	VV	4681	184977	4.34%	0.877%
292	19.625	19.597	19.648	VV	5545	144219	3.39%	0.684%
293	19.814	19.648	19.878	VV	6569	807067	18.95%	3.828%
294	19.886	19.878	19.939	VV	6297	209182	4.91%	0.992%
295	19.990	19.939	20.014	VV	7935	280158	6.58%	1.329%
296	20.044	20.014	20.069	VV	8842	261482	6.14%	1.240%
297	20.134	20.069	20.231	VV	10302	780380	18.33%	3.701%
298	20.261	20.231	20.288	VV	6866	221079	5.19%	1.049%
299	20.340	20.288	20.368	VV	7844	340215	7.99%	1.614%

rteres

300	20.379	20.368	20.401	VV	6806	132936	3.12%	0.630%
301	20.515	20.401	20.598	VV	8650	861028	20.22%	4.084%
302	20.631	20.598	20.645	VV	6662	184192	4.33%	0.874%
303	20.711	20.645	20.801	VV	8404	674016	15.83%	3.197%
304	20.813	20.801	20.845	VV	6924	177422	4.17%	0.841%
305	20.872	20.845	20.933	VV	7011	361792	8.50%	1.716%
306	20.945	20.933	20.978	VV	6540	173441	4.07%	0.823%
307	21.041	20.978	21.098	VV	7551	487210	11.44%	2.311%
308	21.124	21.098	21.198	VV	6895	383208	9.00%	1.818%
309	21.250	21.198	21.276	VV	6154	278672	6.54%	1.322%
310	21.325	21.276	21.335	VV	6172	216128	5.08%	1.025%
311	21.343	21.335	21.364	VV	6160	102630	2.41%	0.487%
312	21.371	21.364	21.379	VV	6003	53518	1.26%	0.254%
313	21.422	21.379	21.433	VV	6206	197147	4.63%	0.935%
314	21.519	21.433	21.633	VV	8823	951927	22.35%	4.515%
315	21.650	21.633	21.729	VV	7123	365659	8.59%	1.734%
316	21.749	21.729	21.773	VV	5683	146663	3.44%	0.696%
317	21.786	21.773	21.871	VV	5578	311423	7.31%	1.477%
318	21.951	21.871	21.961	VV	5231	275432	6.47%	1.306%
319	21.972	21.961	21.995	VV	5198	103695	2.44%	0.492%
320	22.066	21.995	22.083	VV	5534	282260	6.63%	1.339%
321	22.095	22.083	22.101	VBA	5426	71964	1.69%	0.341%

Sum of corrected areas: 21084235

Aliphatic EPH 111424.M Tue Nov 19 10:54:13 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048773.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 02:45
Operator : YP/AJ
Sample : P4860-04
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PH2-BOT-003

Integration File: sample.E
Quant Time: Nov 19 05:57:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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...	7.364	8633724	49.039 ug/ml
Spiked Amount 50.000		Recovery =	98.08%
6) S 2-Flurobiphenyl (SURR)	8.214	5678166	49.302 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	98.60%
11) S ortho-Terphenyl (SURR)	11.248	4231467	22.000 ug/ml
Spiked Amount 50.000		Recovery =	44.00%
Target Compounds			

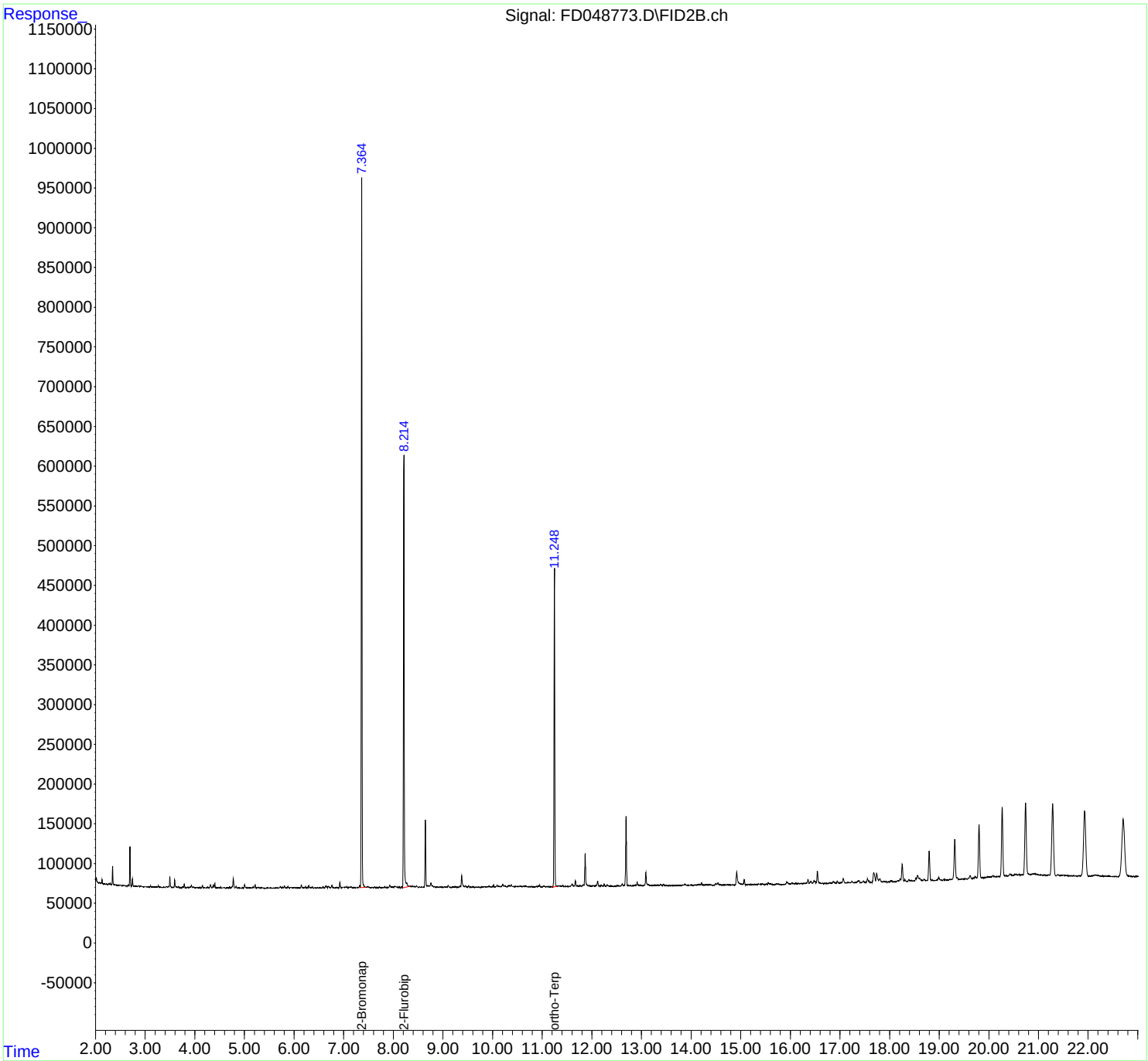
(f)=RT Delta > 1/2 Window (m)=manual int.

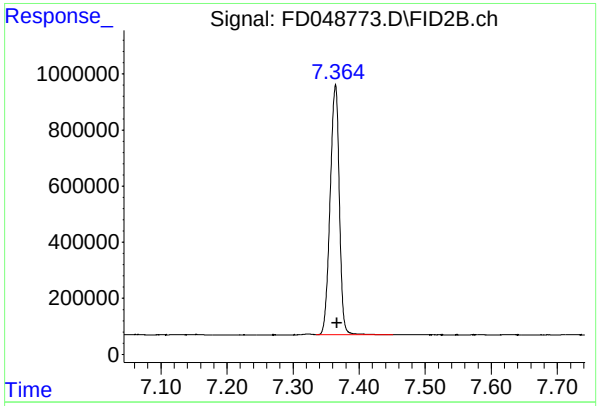
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048773.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 02:45
Operator : YP/AJ
Sample : P4860-04
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PH2-BOT-003

Integration File: sample.E
Quant Time: Nov 19 05:57:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

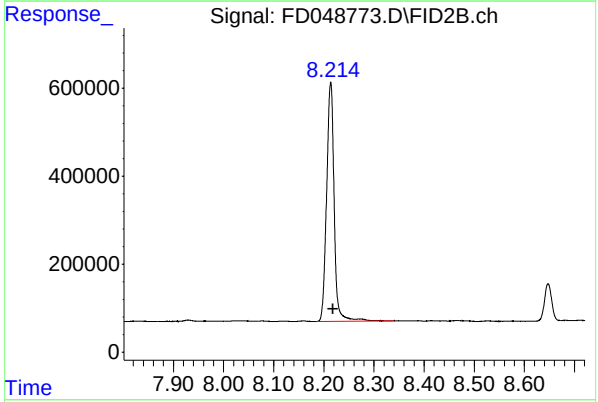




#4 2-Bromonaphthalene (SURR)

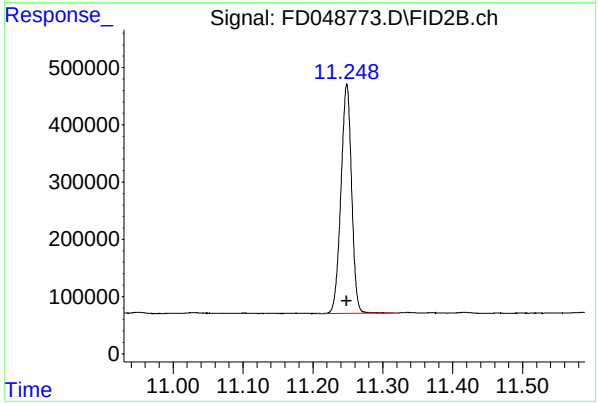
R.T.: 7.364 min
Delta R.T.: -0.003 min
Response: 8633724
Conc: 49.04 ug/ml

Instrument :
FID_D
ClientSampleId :
PH2-BOT-003



#6 2-Flurobiphenyl (SURR)

R.T.: 8.214 min
Delta R.T.: -0.005 min
Response: 5678166
Conc: 49.30 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.248 min
Delta R.T.: 0.000 min
Response: 4231467
Conc: 22.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048773.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 02:45
Sample : P4860-04
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.104	4.062	4.123	BV	375	2564	0.03%	0.009%
2	4.154	4.123	4.178	PV	3154	31520	0.36%	0.105%
3	4.189	4.178	4.207	VV	502	4284	0.05%	0.014%
4	4.224	4.207	4.229	VV	289	2459	0.03%	0.008%
5	4.263	4.229	4.283	VV	1282	17106	0.20%	0.057%
6	4.317	4.283	4.338	PV	4262	55805	0.64%	0.187%
7	4.348	4.338	4.357	VV	701	6830	0.08%	0.023%
8	4.373	4.357	4.387	VV	4006	39523	0.45%	0.132%
9	4.403	4.387	4.425	VV	5962	59324	0.68%	0.198%
10	4.431	4.425	4.459	VV	518	6966	0.08%	0.023%
11	4.473	4.459	4.488	VV	910	11052	0.13%	0.037%
12	4.517	4.488	4.548	VV	1077	20434	0.24%	0.068%
13	4.562	4.548	4.575	VV	436	6382	0.07%	0.021%
14	4.591	4.575	4.622	VV	1087	13319	0.15%	0.045%
15	4.646	4.622	4.668	PV	289	6421	0.07%	0.021%
16	4.697	4.668	4.726	VV	990	18219	0.21%	0.061%
17	4.754	4.726	4.760	VV	2678	26148	0.30%	0.087%
18	4.776	4.760	4.809	VV	12256	139273	1.60%	0.466%
19	4.832	4.809	4.867	VV	2617	31026	0.36%	0.104%
20	4.883	4.867	4.894	VV	494	4600	0.05%	0.015%
21	4.908	4.901	4.914	VV	353	1715	0.02%	0.006%
22	4.920	4.914	4.925	VV	251	1280	0.01%	0.004%
23	4.939	4.925	4.952	VV	386	4279	0.05%	0.014%
24	4.964	4.952	4.985	VV	860	9563	0.11%	0.032%
25	5.002	4.985	5.064	VV	4414	64287	0.74%	0.215%
26	5.074	5.064	5.085	VV	529	5036	0.06%	0.017%
27	5.101	5.085	5.107	VV	415	4323	0.05%	0.014%
28	5.109	5.107	5.129	VV	426	4358	0.05%	0.015%
29	5.141	5.129	5.159	VV	738	7453	0.09%	0.025%
30	5.176	5.159	5.194	VV	1754	18597	0.21%	0.062%
31	5.216	5.194	5.242	VV	4505	49361	0.57%	0.165%
32	5.272	5.242	5.299	VV	1344	20858	0.24%	0.070%
33	5.311	5.299	5.323	VV	437	5316	0.06%	0.018%
34	5.338	5.323	5.345	VV	767	7414	0.09%	0.025%
35	5.352	5.345	5.401	VV	687	11152	0.13%	0.037%
36	5.422	5.401	5.439	PV	283	2847	0.03%	0.010%

rteres

37	5.464	5.439	5.494	VV	647	9442	0.11%	0.032%
38	5.502	5.494	5.514	VV	369	3099	0.04%	0.010%
39	5.522	5.514	5.531	VV	436	3439	0.04%	0.011%
40	5.542	5.531	5.550	VV	394	2691	0.03%	0.009%
41	5.555	5.550	5.598	VV	238	3781	0.04%	0.013%
42	5.634	5.598	5.647	PV	640	9227	0.11%	0.031%
43	5.663	5.647	5.669	VV	630	5715	0.07%	0.019%
44	5.673	5.669	5.682	VV	401	2019	0.02%	0.007%
45	5.721	5.682	5.754	VV	1699	37697	0.43%	0.126%
46	5.768	5.754	5.784	VV	1402	16629	0.19%	0.056%
47	5.789	5.784	5.794	VV	580	3092	0.04%	0.010%
48	5.809	5.794	5.844	VV	3013	35797	0.41%	0.120%
49	5.847	5.844	5.855	VV	356	2350	0.03%	0.008%
50	5.878	5.855	5.910	VV	1654	28167	0.32%	0.094%
51	5.938	5.910	5.968	VV	1086	23314	0.27%	0.078%
52	5.984	5.968	5.990	VV	416	4223	0.05%	0.014%
53	6.006	5.990	6.028	VV	809	13388	0.15%	0.045%
54	6.033	6.028	6.069	VV	548	9666	0.11%	0.032%
55	6.074	6.069	6.079	VV	321	1519	0.02%	0.005%
56	6.084	6.079	6.089	VV	430	1794	0.02%	0.006%
57	6.095	6.089	6.109	VV	365	3946	0.05%	0.013%
58	6.113	6.109	6.127	VV	409	3769	0.04%	0.013%
59	6.148	6.127	6.175	VV	4218	48632	0.56%	0.163%
60	6.190	6.175	6.212	VV	808	12101	0.14%	0.040%
61	6.230	6.212	6.250	VV	2093	24462	0.28%	0.082%
62	6.265	6.250	6.278	VV	1353	14682	0.17%	0.049%
63	6.296	6.278	6.317	VV	3433	39849	0.46%	0.133%
64	6.328	6.317	6.349	VV	1189	14581	0.17%	0.049%
65	6.368	6.349	6.390	VV	1990	21593	0.25%	0.072%
66	6.415	6.390	6.428	VV	579	8683	0.10%	0.029%
67	6.430	6.428	6.440	VV	436	2655	0.03%	0.009%
68	6.469	6.440	6.493	VV	537	12708	0.15%	0.042%
69	6.514	6.493	6.544	VV	558	11809	0.14%	0.039%
70	6.548	6.544	6.557	VV	269	1381	0.02%	0.005%
71	6.586	6.557	6.617	PV	2110	27397	0.32%	0.092%
72	6.639	6.617	6.674	VV	2661	49998	0.58%	0.167%
73	6.687	6.674	6.694	VV	1894	18892	0.22%	0.063%
74	6.702	6.694	6.733	VV	2060	25440	0.29%	0.085%
75	6.764	6.733	6.794	VV	3595	50941	0.59%	0.170%
76	6.803	6.794	6.814	VV	581	5509	0.06%	0.018%
77	6.839	6.814	6.855	VV	614	9839	0.11%	0.033%
78	6.867	6.855	6.886	VV	948	10209	0.12%	0.034%
79	6.891	6.886	6.895	VV	413	1572	0.02%	0.005%
80	6.923	6.895	6.961	VV	7497	87411	1.01%	0.292%
81	6.964	6.961	6.967	VV	409	1297	0.01%	0.004%
82	6.986	6.967	6.995	VV	1199	15040	0.17%	0.050%
83	7.001	6.995	7.016	VV	947	8894	0.10%	0.030%
84	7.031	7.016	7.044	VV	1321	15581	0.18%	0.052%
85	7.063	7.044	7.085	VV	1752	26928	0.31%	0.090%
86	7.101	7.085	7.110	VV	853	9620	0.11%	0.032%
87	7.126	7.110	7.141	VV	1447	18705	0.22%	0.063%
88	7.154	7.141	7.184	VV	1819	22939	0.26%	0.077%
89	7.225	7.184	7.246	VV	588	13499	0.16%	0.045%

rteres

90	7.272	7.246	7.290	VV	596	10566	0.12%	0.035%
91	7.323	7.290	7.335	VV	3243	39821	0.46%	0.133%
92	7.364	7.335	7.457	VV	889215	8688565	100.00%	29.041%
93	7.486	7.457	7.535	VV	1511	45170	0.52%	0.151%
94	7.546	7.535	7.559	VV	518	6158	0.07%	0.021%
95	7.585	7.559	7.609	VV	796	14036	0.16%	0.047%
96	7.627	7.609	7.654	VV	1535	19228	0.22%	0.064%
97	7.685	7.654	7.696	VV	578	9201	0.11%	0.031%
98	7.719	7.696	7.773	VV	860	22059	0.25%	0.074%
99	7.829	7.773	7.860	VV	1048	28061	0.32%	0.094%
100	7.930	7.860	7.952	VV	3513	62744	0.72%	0.210%
101	7.961	7.952	8.000	VV	1312	26564	0.31%	0.089%
102	8.037	8.000	8.060	VV	1649	46216	0.53%	0.154%
103	8.077	8.060	8.102	VV	1481	21517	0.25%	0.072%
104	8.121	8.102	8.140	VV	1008	14400	0.17%	0.048%
105	8.159	8.140	8.184	VV	1562	17937	0.21%	0.060%
106	8.214	8.184	8.262	PV	544882	5618965	64.67%	18.781%
107	8.273	8.262	8.337	VV	5711	140135	1.61%	0.468%
108	8.349	8.337	8.366	VV	1952	30226	0.35%	0.101%
109	8.386	8.366	8.402	VV	1844	33991	0.39%	0.114%
110	8.415	8.402	8.432	VV	1935	27122	0.31%	0.091%
111	8.439	8.432	8.449	VV	1330	13073	0.15%	0.044%
112	8.467	8.449	8.507	VV	2080	49023	0.56%	0.164%
113	8.527	8.507	8.557	VV	1375	22558	0.26%	0.075%
114	8.577	8.557	8.602	VV	1194	20040	0.23%	0.067%
115	8.648	8.602	8.672	VV	85638	885741	10.19%	2.961%
116	8.681	8.672	8.695	VV	2665	33657	0.39%	0.112%
117	8.712	8.695	8.730	VV	2949	48751	0.56%	0.163%
118	8.759	8.730	8.819	VV	5991	144320	1.66%	0.482%
119	8.830	8.819	8.855	VV	1716	24064	0.28%	0.080%
120	8.879	8.855	8.910	VV	1298	25642	0.30%	0.086%
121	8.926	8.910	8.947	VV	799	13631	0.16%	0.046%
122	8.962	8.947	9.007	VV	887	18830	0.22%	0.063%
123	9.028	9.007	9.039	VV	1101	14525	0.17%	0.049%
124	9.045	9.039	9.082	VV	1047	16668	0.19%	0.056%
125	9.106	9.082	9.155	VV	2747	45594	0.52%	0.152%
126	9.181	9.155	9.190	VV	706	8715	0.10%	0.029%
127	9.209	9.190	9.224	VV	706	11344	0.13%	0.038%
128	9.248	9.224	9.289	VV	1186	24964	0.29%	0.083%
129	9.348	9.289	9.362	VV	2099	39095	0.45%	0.131%
130	9.379	9.362	9.430	VV	14868	221635	2.55%	0.741%
131	9.456	9.430	9.500	VV	2333	50997	0.59%	0.170%
132	9.519	9.500	9.565	VV	2173	34481	0.40%	0.115%
133	9.591	9.565	9.650	VV	801	25282	0.29%	0.085%
134	9.667	9.650	9.677	VV	584	6681	0.08%	0.022%
135	9.687	9.677	9.710	VV	710	8019	0.09%	0.027%
136	9.726	9.710	9.755	VV	424	5123	0.06%	0.017%
137	9.792	9.755	9.810	PV	683	13345	0.15%	0.045%
138	9.837	9.810	9.854	VV	1108	19907	0.23%	0.067%
139	9.862	9.854	9.874	VV	761	6721	0.08%	0.022%
140	9.909	9.874	9.929	VV	1162	25802	0.30%	0.086%
141	9.941	9.929	9.965	VV	1020	19656	0.23%	0.066%

rteres

142	9.991	9.965	10.000	VV	886	15430	0.18%	0.052%
143	10.021	10.000	10.046	VV	3374	42601	0.49%	0.142%
144	10.090	10.046	10.129	VV	2221	63012	0.73%	0.211%
145	10.141	10.129	10.166	VV	1286	25035	0.29%	0.084%
146	10.206	10.166	10.236	VV	4002	88890	1.02%	0.297%
147	10.248	10.236	10.289	VV	1869	40518	0.47%	0.135%
148	10.307	10.289	10.319	VV	1393	19058	0.22%	0.064%
149	10.334	10.319	10.353	VV	2660	36903	0.42%	0.123%
150	10.376	10.353	10.410	VV	3243	61237	0.70%	0.205%
151	10.425	10.410	10.450	VV	1068	18653	0.21%	0.062%
152	10.471	10.450	10.490	VV	1170	20404	0.23%	0.068%
153	10.510	10.490	10.522	VV	1063	16537	0.19%	0.055%
154	10.544	10.522	10.604	VV	1466	52501	0.60%	0.175%
155	10.616	10.604	10.625	VV	938	11010	0.13%	0.037%
156	10.643	10.625	10.657	VV	1767	25817	0.30%	0.086%
157	10.673	10.657	10.694	VV	1896	28696	0.33%	0.096%
158	10.703	10.694	10.721	VV	832	9873	0.11%	0.033%
159	10.752	10.721	10.779	VV	893	19072	0.22%	0.064%
160	10.805	10.779	10.847	VV	596	14550	0.17%	0.049%
161	10.883	10.847	10.907	VV	1194	20738	0.24%	0.069%
162	10.922	10.907	10.936	VV	1720	21240	0.24%	0.071%
163	10.951	10.936	10.984	VV	2206	29043	0.33%	0.097%
164	11.029	10.984	11.079	VV	1608	39988	0.46%	0.134%
165	11.102	11.079	11.129	VV	862	13637	0.16%	0.046%
166	11.142	11.129	11.157	VV	506	5509	0.06%	0.018%
167	11.177	11.157	11.213	VV	726	11567	0.13%	0.039%
168	11.248	11.213	11.317	PV	401779	4266758	49.11%	14.261%
169	11.337	11.317	11.355	VV	1745	30143	0.35%	0.101%
170	11.370	11.355	11.394	VV	1431	22458	0.26%	0.075%
171	11.417	11.394	11.442	VV	1939	30923	0.36%	0.103%
172	11.465	11.442	11.485	VV	695	12044	0.14%	0.040%
173	11.497	11.485	11.508	VV	669	7756	0.09%	0.026%
174	11.541	11.508	11.550	VV	734	15276	0.18%	0.051%
175	11.603	11.550	11.630	VV	3508	79818	0.92%	0.267%
176	11.670	11.630	11.692	VV	7773	106724	1.23%	0.357%
177	11.704	11.692	11.734	VV	1273	24782	0.29%	0.083%
178	11.751	11.734	11.759	VV	1269	15984	0.18%	0.053%
179	11.769	11.759	11.794	VV	1197	20154	0.23%	0.067%
180	11.831	11.794	11.844	VV	2495	48063	0.55%	0.161%
181	11.867	11.844	11.933	VV	42068	537275	6.18%	1.796%
182	11.944	11.933	11.990	VV	1233	32924	0.38%	0.110%
183	12.022	11.990	12.062	VV	1199	41369	0.48%	0.138%
184	12.120	12.062	12.144	VV	6947	124555	1.43%	0.416%
185	12.157	12.144	12.172	VV	1035	12989	0.15%	0.043%
186	12.193	12.172	12.215	VV	2107	29150	0.34%	0.097%
187	12.252	12.215	12.282	VV	3048	46613	0.54%	0.156%
188	12.312	12.282	12.360	VV	2443	49656	0.57%	0.166%
189	12.383	12.360	12.407	VV	870	13670	0.16%	0.046%
190	12.419	12.407	12.445	VV	326	3791	0.04%	0.013%
191	12.510	12.445	12.560	PV	856	29830	0.34%	0.100%
192	12.615	12.560	12.637	VV	3333	57230	0.66%	0.191%
193	12.691	12.637	12.724	VV	87580	1043583	12.01%	3.488%
194	12.736	12.724	12.774	VV	950	25064	0.29%	0.084%

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195	12.781	12.774	12.802	VV	754	10700	0.12%	0.036%
196	12.825	12.802	12.835	VV	651	11149	0.13%	0.037%
197	12.857	12.835	12.870	VV	1068	15867	0.18%	0.053%
198	12.915	12.870	12.954	VV	4975	98424	1.13%	0.329%
199	12.974	12.954	13.035	VV	1078	38387	0.44%	0.128%
200	13.090	13.035	13.180	VV	16956	294355	3.39%	0.984%
201	13.193	13.180	13.227	VV	1038	22185	0.26%	0.074%
202	13.235	13.227	13.244	VV	655	6579	0.08%	0.022%
203	13.270	13.244	13.302	VV	1060	30702	0.35%	0.103%
204	13.318	13.302	13.341	VV	1366	22995	0.26%	0.077%
205	13.356	13.341	13.370	VV	957	14160	0.16%	0.047%
206	13.391	13.370	13.422	VV	1940	35098	0.40%	0.117%
207	13.444	13.422	13.491	VV	2550	42336	0.49%	0.142%
208	13.501	13.491	13.519	VV	466	6685	0.08%	0.022%
209	13.535	13.519	13.555	VV	403	5494	0.06%	0.018%
210	13.573	13.555	13.587	PV	317	3419	0.04%	0.011%
211	13.620	13.587	13.639	VV	394	8525	0.10%	0.028%
212	13.661	13.639	13.672	VV	484	7118	0.08%	0.024%
213	13.687	13.672	13.708	VV	544	8891	0.10%	0.030%
214	13.733	13.708	13.766	VV	452	11837	0.14%	0.040%
215	13.776	13.766	13.794	VV	435	5132	0.06%	0.017%
216	13.803	13.794	13.816	VV	479	4925	0.06%	0.016%
217	13.837	13.816	13.852	VV	810	13760	0.16%	0.046%
218	13.876	13.852	13.957	VV	2159	55822	0.64%	0.187%
219	14.002	13.957	14.030	VV	831	24052	0.28%	0.080%
220	14.035	14.030	14.057	VV	491	5719	0.07%	0.019%
221	14.085	14.057	14.119	VV	955	26575	0.31%	0.089%
222	14.169	14.119	14.190	VV	1289	41101	0.47%	0.137%
223	14.212	14.190	14.249	VV	3695	54778	0.63%	0.183%
224	14.256	14.249	14.277	VV	720	10620	0.12%	0.035%
225	14.302	14.277	14.330	VV	1019	23929	0.28%	0.080%
226	14.346	14.330	14.366	VV	955	14416	0.17%	0.048%
227	14.386	14.366	14.434	VV	1001	23132	0.27%	0.077%
228	14.500	14.434	14.520	VV	2446	49049	0.56%	0.164%
229	14.541	14.520	14.616	VV	3339	74474	0.86%	0.249%
230	14.637	14.616	14.665	VV	493	10062	0.12%	0.034%
231	14.715	14.665	14.764	VV	750	23320	0.27%	0.078%
232	14.777	14.764	14.815	VV	306	7051	0.08%	0.024%
233	14.843	14.815	14.852	VV	319	3966	0.05%	0.013%
234	14.918	14.852	15.010	VV	16464	353821	4.07%	1.183%
235	15.023	15.010	15.039	VV	1188	17694	0.20%	0.059%
236	15.070	15.039	15.098	VV	6994	101638	1.17%	0.340%
237	15.109	15.098	15.129	VV	653	9501	0.11%	0.032%
238	15.153	15.129	15.172	VV	869	14973	0.17%	0.050%
239	15.200	15.172	15.218	VV	675	15252	0.18%	0.051%
240	15.234	15.218	15.242	VV	601	7880	0.09%	0.026%
241	15.254	15.242	15.319	VV	857	24221	0.28%	0.081%
242	15.373	15.319	15.423	VV	1077	50073	0.58%	0.167%
243	15.436	15.423	15.479	VV	1050	26019	0.30%	0.087%
244	15.517	15.479	15.535	VV	1307	24590	0.28%	0.082%
245	15.557	15.535	15.585	VV	2744	45179	0.52%	0.151%
246	15.608	15.585	15.680	VV	1193	30544	0.35%	0.102%

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247	15.711	15.680	15.740	PV	905	18019	0.21%	0.060%
248	15.767	15.740	15.808	VV	671	16675	0.19%	0.056%
249	15.847	15.808	15.862	VV	354	5785	0.07%	0.019%
250	15.875	15.862	15.884	PV	303	2047	0.02%	0.007%
251	15.927	15.884	15.997	VV	3389	88588	1.02%	0.296%
252	16.036	15.997	16.075	VV	1980	49322	0.57%	0.165%
253	16.110	16.075	16.137	VV	1896	35874	0.41%	0.120%
254	16.168	16.137	16.190	VV	1451	27518	0.32%	0.092%
255	16.240	16.190	16.277	VV	879	36599	0.42%	0.122%
256	16.286	16.277	16.295	VV	691	6833	0.08%	0.023%
257	16.318	16.295	16.330	VV	1314	20029	0.23%	0.067%
258	16.355	16.330	16.379	VV	5660	84743	0.98%	0.283%
259	16.413	16.379	16.445	VV	3496	79083	0.91%	0.264%
260	16.475	16.445	16.492	VV	4192	72018	0.83%	0.241%
261	16.500	16.492	16.519	VV	2925	35381	0.41%	0.118%
262	16.544	16.519	16.624	VV	15877	250284	2.88%	0.837%
263	16.632	16.624	16.675	VV	531	10016	0.12%	0.033%
264	16.704	16.675	16.743	VV	433	8523	0.10%	0.028%
265	16.805	16.743	16.837	PV	1068	27122	0.31%	0.091%
266	16.869	16.837	16.919	VV	2408	59314	0.68%	0.198%
267	16.948	16.919	16.997	VV	2469	49727	0.57%	0.166%
268	17.066	16.997	17.109	VV	5947	118040	1.36%	0.395%
269	17.127	17.109	17.140	VV	437	6150	0.07%	0.021%
270	17.172	17.140	17.211	VV	705	22750	0.26%	0.076%
271	17.241	17.211	17.291	VV	2084	43264	0.50%	0.145%
272	17.316	17.291	17.329	VV	779	12708	0.15%	0.042%
273	17.357	17.329	17.366	VV	1951	30453	0.35%	0.102%
274	17.382	17.366	17.412	VV	3009	45967	0.53%	0.154%
275	17.472	17.412	17.500	VV	2205	46076	0.53%	0.154%
276	17.510	17.500	17.524	VV	659	7823	0.09%	0.026%
277	17.553	17.524	17.633	VV	4735	103714	1.19%	0.347%
278	17.679	17.633	17.717	VV	12314	288882	3.32%	0.966%
279	17.739	17.717	17.780	VV	11083	231247	2.66%	0.773%
280	17.804	17.780	17.869	VV	4730	108463	1.25%	0.363%
281	17.886	17.869	17.967	VV	1252	28085	0.32%	0.094%
282	18.043	17.967	18.072	VV	1725	43575	0.50%	0.146%
283	18.087	18.072	18.105	VV	418	7160	0.08%	0.024%
284	18.115	18.105	18.129	VV	277	2866	0.03%	0.010%
285	18.159	18.129	18.190	PV	1089	19762	0.23%	0.066%

Sum of corrected areas: 29918028

Aromatic EPH 111424.M Tue Nov 19 11:06:38 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067816.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 08:37
Operator : YP/AJ
Sample : P4860-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PH2-BOT-004

Integration File: sample.E
Quant Time: Nov 19 10:47:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 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...	12.940	3785982	26.081 ug/ml
Spiked Amount 50.000		Recovery = 52.16%	
Target Compounds			

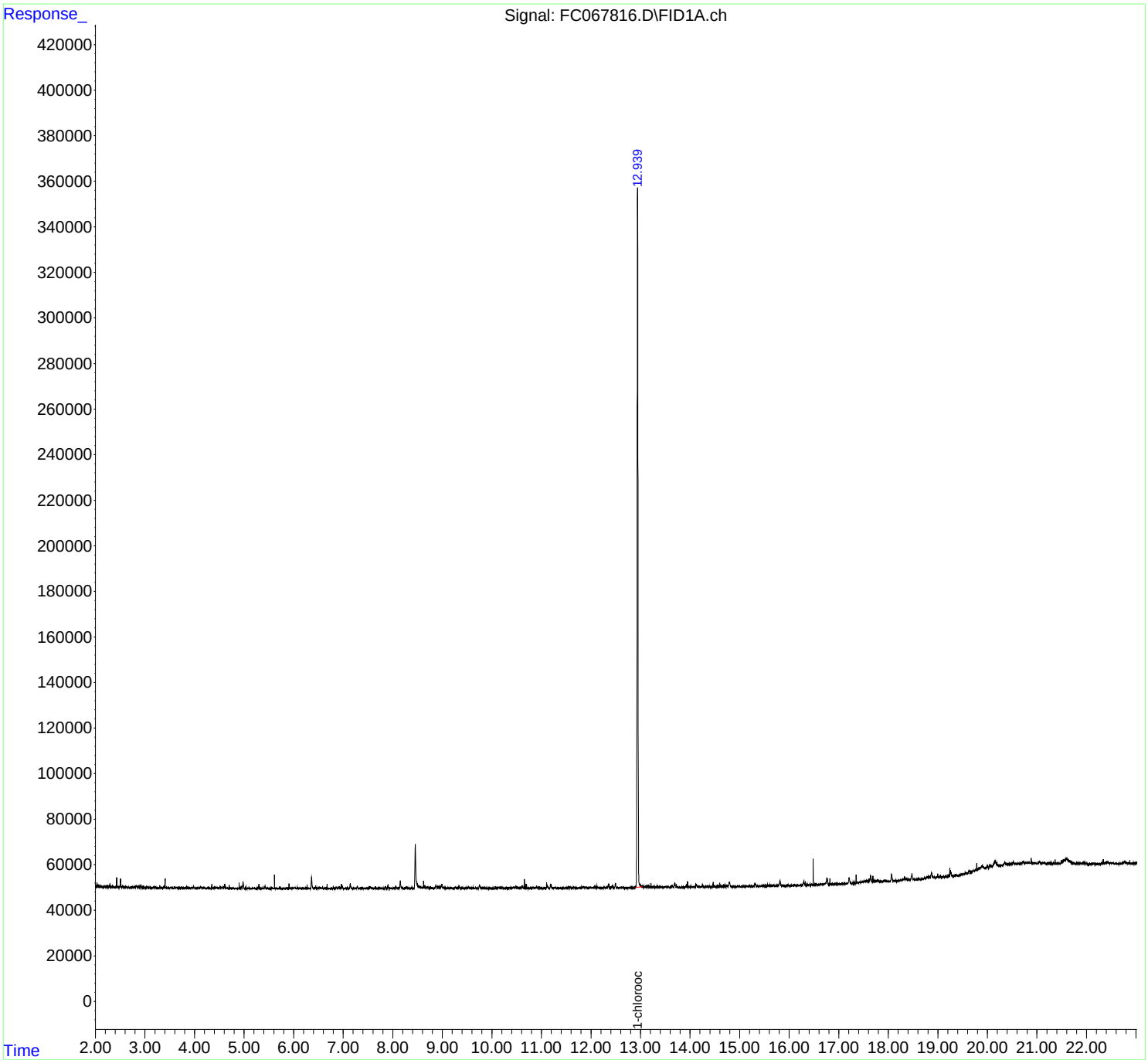
(f)=RT Delta > 1/2 Window (m)=manual int.

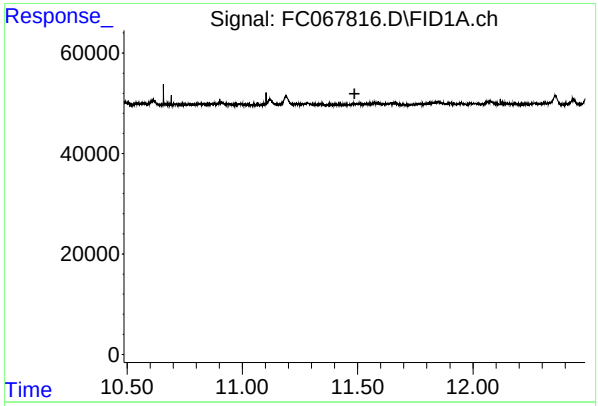
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067816.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 08:37
Operator : YP/AJ
Sample : P4860-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PH2-BOT-004

Integration File: sample.E
Quant Time: Nov 19 10:47:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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

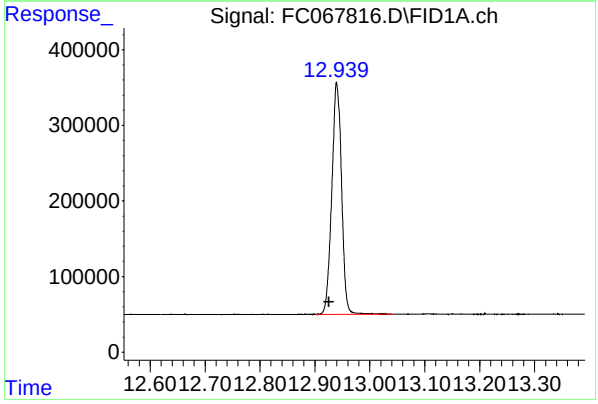




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.486 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PH2-BOT-004



#12 1-chlorooctadecane (SURR)

R.T.: 12.940 min
Delta R.T.: 0.014 min
Response: 3785982
Conc: 26.08 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067816.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 08:37
Sample : P4860-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.262	3.225	3.275	BV	53	263	0.01%	0.003%
2	3.298	3.275	3.312	PV	253	2803	0.07%	0.027%
3	3.329	3.312	3.341	PV	94	1335	0.03%	0.013%
4	3.351	3.341	3.365	VV	63	763	0.02%	0.007%
5	3.371	3.365	3.396	VV	93	1843	0.05%	0.018%
6	3.408	3.396	3.462	VV	1414	4807	0.13%	0.047%
7	3.489	3.462	3.525	VV	125	2640	0.07%	0.026%
8	3.532	3.525	3.545	VV	97	1052	0.03%	0.010%
9	3.561	3.545	3.576	VV	162	1771	0.05%	0.017%
10	3.608	3.576	3.631	VV	247	3944	0.10%	0.038%
11	3.661	3.631	3.732	VV	301	4666	0.12%	0.045%
12	3.741	3.732	3.801	VV	109	3116	0.08%	0.030%
13	3.810	3.801	3.825	VV	126	1138	0.03%	0.011%
14	3.833	3.825	3.855	VV	125	1600	0.04%	0.015%
15	3.868	3.855	3.918	VV	123	2457	0.06%	0.024%
16	3.952	3.918	3.964	VV	330	4749	0.12%	0.046%
17	3.980	3.964	4.027	VV	668	7958	0.21%	0.077%
18	4.048	4.027	4.061	VV	156	1598	0.04%	0.015%
19	4.064	4.061	4.085	VV	95	905	0.02%	0.009%
20	4.099	4.085	4.107	VV	152	1701	0.04%	0.016%
21	4.128	4.107	4.167	VV	608	8783	0.23%	0.085%
22	4.274	4.167	4.313	VV	432	12867	0.34%	0.125%
23	4.351	4.313	4.381	VV	1043	11379	0.30%	0.110%
24	4.393	4.381	4.431	VV	299	5992	0.16%	0.058%
25	4.461	4.431	4.489	VV	362	8883	0.23%	0.086%
26	4.517	4.489	4.541	VV	888	12625	0.33%	0.122%
27	4.549	4.541	4.557	VV	246	2200	0.06%	0.021%
28	4.573	4.557	4.587	VV	613	7177	0.19%	0.069%
29	4.604	4.587	4.648	VV	1097	16197	0.42%	0.157%
30	4.656	4.648	4.681	VV	198	3288	0.09%	0.032%
31	4.698	4.681	4.709	VV	597	3565	0.09%	0.035%
32	4.721	4.709	4.782	VV	254	7066	0.18%	0.068%
33	4.795	4.782	4.865	VV	171	5027	0.13%	0.049%
34	4.900	4.865	4.930	PV	523	6138	0.16%	0.059%
35	4.981	4.930	5.014	VV	3008	38391	1.00%	0.372%
36	5.038	5.014	5.081	VV	645	8986	0.23%	0.087%

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37	5.104	5.081	5.121	VV	146	2363	0.06%	0.023%
38	5.129	5.121	5.134	VV	71	468	0.01%	0.005%
39	5.172	5.134	5.243	VV	200	7637	0.20%	0.074%
40	5.271	5.243	5.287	VV	308	3377	0.09%	0.033%
41	5.300	5.287	5.368	VV	1033	7916	0.21%	0.077%
42	5.384	5.368	5.405	VV	585	6618	0.17%	0.064%
43	5.424	5.405	5.464	VV	907	11333	0.30%	0.110%
44	5.481	5.464	5.529	VV	229	5821	0.15%	0.056%
45	5.547	5.529	5.637	VV	351	12264	0.32%	0.119%
46	5.672	5.637	5.705	VV	229	5764	0.15%	0.056%
47	5.715	5.705	5.765	VV	313	3477	0.09%	0.034%
48	5.805	5.765	5.817	PV	102	1908	0.05%	0.018%
49	5.847	5.817	5.883	VV	344	4819	0.13%	0.047%
50	5.907	5.883	5.961	VV	869	10000	0.26%	0.097%
51	5.978	5.961	6.006	VV	302	6050	0.16%	0.059%
52	6.022	6.006	6.051	VV	540	8864	0.23%	0.086%
53	6.071	6.051	6.115	VV	385	7969	0.21%	0.077%
54	6.157	6.115	6.176	VV	282	6283	0.16%	0.061%
55	6.199	6.176	6.225	VV	174	3172	0.08%	0.031%
56	6.248	6.225	6.268	VV	177	2758	0.07%	0.027%
57	6.273	6.268	6.337	VV	396	5920	0.15%	0.057%
58	6.363	6.337	6.418	VV	4987	58487	1.53%	0.566%
59	6.445	6.418	6.466	VV	633	9422	0.25%	0.091%
60	6.481	6.466	6.492	VV	307	3493	0.09%	0.034%
61	6.512	6.492	6.535	VV	863	10785	0.28%	0.104%
62	6.544	6.535	6.569	VV	336	4586	0.12%	0.044%
63	6.583	6.569	6.608	VV	516	6025	0.16%	0.058%
64	6.639	6.608	6.651	VV	171	3170	0.08%	0.031%
65	6.679	6.651	6.706	VV	732	6167	0.16%	0.060%
66	6.718	6.706	6.765	VV	194	3007	0.08%	0.029%
67	6.768	6.765	6.785	VV	97	714	0.02%	0.007%
68	6.803	6.785	6.837	VV	514	7293	0.19%	0.071%
69	6.856	6.837	6.885	VV	620	10549	0.28%	0.102%
70	6.905	6.885	6.950	VV	621	13389	0.35%	0.130%
71	6.983	6.950	7.004	VV	963	16415	0.43%	0.159%
72	7.021	7.004	7.043	VV	188	3079	0.08%	0.030%
73	7.061	7.043	7.070	PV	124	1839	0.05%	0.018%
74	7.089	7.070	7.113	VV	281	3938	0.10%	0.038%
75	7.144	7.113	7.168	VV	2264	25902	0.68%	0.251%
76	7.224	7.168	7.235	VV	306	8191	0.21%	0.079%
77	7.250	7.235	7.262	VV	354	4070	0.11%	0.039%
78	7.284	7.262	7.332	VV	1050	15352	0.40%	0.149%
79	7.346	7.332	7.362	VV	327	4137	0.11%	0.040%
80	7.375	7.362	7.424	VV	417	6114	0.16%	0.059%
81	7.439	7.424	7.475	VV	196	3407	0.09%	0.033%
82	7.545	7.475	7.588	VV	878	15903	0.41%	0.154%
83	7.595	7.588	7.611	VV	174	2466	0.06%	0.024%
84	7.648	7.611	7.661	VV	506	6123	0.16%	0.059%
85	7.666	7.661	7.675	VV	184	1167	0.03%	0.011%
86	7.704	7.675	7.738	VV	294	8623	0.22%	0.083%
87	7.740	7.738	7.791	VV	261	4571	0.12%	0.044%
88	7.808	7.791	7.824	VV	262	3141	0.08%	0.030%
89	7.849	7.824	7.877	VV	852	9292	0.24%	0.090%

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90	7.905	7.877	7.928	VV	1147	13271	0.35%	0.128%
91	7.940	7.928	7.959	VV	174	2183	0.06%	0.021%
92	7.977	7.959	7.994	VV	192	2651	0.07%	0.026%
93	8.003	7.994	8.037	VV	126	2684	0.07%	0.026%
94	8.058	8.037	8.085	VV	481	6682	0.17%	0.065%
95	8.097	8.085	8.128	VV	263	3534	0.09%	0.034%
96	8.153	8.128	8.222	VV	3396	43824	1.14%	0.424%
97	8.261	8.222	8.283	VV	432	10849	0.28%	0.105%
98	8.300	8.283	8.324	VV	399	5840	0.15%	0.057%
99	8.345	8.324	8.364	VV	284	4354	0.11%	0.042%
100	8.383	8.364	8.431	VV	474	6225	0.16%	0.060%
101	8.456	8.431	8.591	VV	19424	298314	7.78%	2.887%
102	8.623	8.591	8.670	VV	1144	26576	0.69%	0.257%
103	8.691	8.670	8.736	VV	814	19921	0.52%	0.193%
104	8.754	8.736	8.784	VV	379	6393	0.17%	0.062%
105	8.803	8.784	8.829	VV	337	5486	0.14%	0.053%
106	8.871	8.829	8.891	VV	1553	23208	0.61%	0.225%
107	8.909	8.891	8.923	VV	803	12149	0.32%	0.118%
108	8.949	8.923	8.961	VV	609	12265	0.32%	0.119%
109	8.989	8.961	9.019	VV	1840	32633	0.85%	0.316%
110	9.027	9.019	9.043	VV	281	3591	0.09%	0.035%
111	9.059	9.043	9.087	VV	497	7196	0.19%	0.070%
112	9.110	9.087	9.130	VV	419	5778	0.15%	0.056%
113	9.160	9.130	9.177	VV	365	6141	0.16%	0.059%
114	9.191	9.177	9.201	VV	197	2532	0.07%	0.025%
115	9.274	9.201	9.314	VV	395	15910	0.42%	0.154%
116	9.338	9.314	9.374	VV	920	14046	0.37%	0.136%
117	9.391	9.374	9.426	VV	285	4889	0.13%	0.047%
118	9.436	9.426	9.452	VV	136	1721	0.04%	0.017%
119	9.479	9.452	9.510	VV	449	8223	0.21%	0.080%
120	9.532	9.510	9.581	VV	664	11633	0.30%	0.113%
121	9.587	9.581	9.599	VV	210	1509	0.04%	0.015%
122	9.622	9.599	9.648	VV	202	2746	0.07%	0.027%
123	9.672	9.648	9.725	PV	380	7075	0.18%	0.068%
124	9.751	9.725	9.776	VV	1356	17813	0.46%	0.172%
125	9.784	9.776	9.805	VV	232	2870	0.07%	0.028%
126	9.825	9.805	9.884	VV	336	10262	0.27%	0.099%
127	9.897	9.884	9.955	VV	199	5425	0.14%	0.053%
128	9.958	9.955	9.975	PV	175	454	0.01%	0.004%
129	10.005	9.975	10.013	VV	129	1515	0.04%	0.015%
130	10.030	10.013	10.043	VV	216	2496	0.07%	0.024%
131	10.062	10.043	10.105	VV	464	7281	0.19%	0.070%
132	10.144	10.105	10.165	VV	435	10206	0.27%	0.099%
133	10.183	10.165	10.203	VV	340	5688	0.15%	0.055%
134	10.226	10.203	10.248	VV	288	5243	0.14%	0.051%
135	10.264	10.248	10.289	VV	222	3387	0.09%	0.033%
136	10.311	10.289	10.324	VV	126	1822	0.05%	0.018%
137	10.348	10.324	10.365	VV	361	5305	0.14%	0.051%
138	10.381	10.365	10.401	VV	301	4748	0.12%	0.046%
139	10.428	10.401	10.454	VV	416	9499	0.25%	0.092%
140	10.489	10.454	10.528	VV	637	16092	0.42%	0.156%
141	10.544	10.528	10.554	VV	408	4598	0.12%	0.045%

rteres

142	10.568	10.554	10.588	VV	436	6463	0.17%	0.063%
143	10.614	10.588	10.655	VV	961	17674	0.46%	0.171%
144	10.658	10.655	10.666	VV	1570	3805	0.10%	0.037%
145	10.691	10.666	10.726	VV	833	7160	0.19%	0.069%
146	10.739	10.726	10.754	VV	132	1939	0.05%	0.019%
147	10.770	10.754	10.791	VV	193	2632	0.07%	0.025%
148	10.812	10.791	10.840	VV	304	6146	0.16%	0.059%
149	10.858	10.840	10.872	VV	338	4878	0.13%	0.047%
150	10.903	10.872	10.935	VV	612	12635	0.33%	0.122%
151	10.940	10.935	10.958	VV	267	2602	0.07%	0.025%
152	10.988	10.958	11.015	VV	239	5614	0.15%	0.054%
153	11.026	11.015	11.057	VV	189	2470	0.06%	0.024%
154	11.067	11.057	11.076	VV	259	977	0.03%	0.009%
155	11.119	11.076	11.155	PV	1206	19916	0.52%	0.193%
156	11.190	11.155	11.260	VV	1796	31205	0.81%	0.302%
157	11.282	11.260	11.325	VV	417	7928	0.21%	0.077%
158	11.344	11.325	11.370	VV	194	2981	0.08%	0.029%
159	11.404	11.370	11.442	VV	181	4060	0.11%	0.039%
160	11.482	11.442	11.492	PV	232	3580	0.09%	0.035%
161	11.505	11.492	11.522	VV	221	3504	0.09%	0.034%
162	11.575	11.522	11.620	VV	411	13339	0.35%	0.129%
163	11.645	11.620	11.698	VV	361	9786	0.26%	0.095%
164	11.850	11.698	11.888	VV	564	24200	0.63%	0.234%
165	11.904	11.888	11.930	VV	295	5272	0.14%	0.051%
166	11.946	11.930	11.972	VV	323	4635	0.12%	0.045%
167	11.991	11.972	12.035	VV	312	7689	0.20%	0.074%
168	12.075	12.035	12.125	VV	675	18194	0.47%	0.176%
169	12.138	12.125	12.165	VV	329	5317	0.14%	0.051%
170	12.181	12.165	12.215	VV	221	3751	0.10%	0.036%
171	12.226	12.215	12.244	VV	176	1861	0.05%	0.018%
172	12.267	12.244	12.284	VV	309	4597	0.12%	0.044%
173	12.308	12.284	12.321	VV	356	5316	0.14%	0.051%
174	12.358	12.321	12.387	VV	1825	26961	0.70%	0.261%
175	12.434	12.387	12.464	VV	1020	15956	0.42%	0.154%
176	12.495	12.464	12.541	VV	2108	28344	0.74%	0.274%
177	12.552	12.541	12.557	VV	143	1074	0.03%	0.010%
178	12.566	12.557	12.604	VV	171	3069	0.08%	0.030%
179	12.638	12.604	12.684	VV	186	4267	0.11%	0.041%
180	12.711	12.684	12.730	VV	118	1491	0.04%	0.014%
181	12.780	12.730	12.801	PV	226	5572	0.15%	0.054%
182	12.811	12.801	12.829	VV	152	1834	0.05%	0.018%
183	12.940	12.829	13.081	VV	300269	3832855	100.00%	37.099%
184	13.107	13.081	13.141	VV	695	18700	0.49%	0.181%
185	13.152	13.141	13.161	VV	682	5531	0.14%	0.054%
186	13.164	13.161	13.199	VV	520	7639	0.20%	0.074%
187	13.211	13.199	13.288	VV	842	14364	0.37%	0.139%
188	13.313	13.288	13.338	VV	442	10101	0.26%	0.098%
189	13.341	13.338	13.386	VV	522	9809	0.26%	0.095%
190	13.394	13.386	13.428	VV	439	6587	0.17%	0.064%
191	13.454	13.428	13.473	VV	208	4332	0.11%	0.042%
192	13.509	13.473	13.525	VV	264	6294	0.16%	0.061%
193	13.547	13.525	13.580	VV	339	7092	0.19%	0.069%
194	13.639	13.580	13.665	VV	886	16857	0.44%	0.163%

rteres

195	13.692	13.665	13.763	VV	2027	31869	0.83%	0.308%
196	13.780	13.763	13.792	VV	89	1377	0.04%	0.013%
197	13.798	13.792	13.805	VV	69	209	0.01%	0.002%
198	13.820	13.805	13.851	PV	80	1389	0.04%	0.013%
199	13.872	13.851	13.882	VV	108	1391	0.04%	0.013%
200	13.925	13.882	13.945	VV	616	6684	0.17%	0.065%
201	13.949	13.945	13.977	VV	739	4516	0.12%	0.044%
202	14.006	13.977	14.051	VV	213	5765	0.15%	0.056%
203	14.070	14.051	14.095	VV	179	3225	0.08%	0.031%
204	14.127	14.095	14.165	VV	1089	19390	0.51%	0.188%
205	14.182	14.165	14.203	VV	222	4226	0.11%	0.041%
206	14.218	14.203	14.227	VV	175	2262	0.06%	0.022%
207	14.253	14.227	14.294	VV	731	13791	0.36%	0.133%
208	14.316	14.294	14.325	VV	215	2664	0.07%	0.026%
209	14.391	14.325	14.438	VV	298	13778	0.36%	0.133%
210	14.466	14.438	14.511	VV	824	9993	0.26%	0.097%
211	14.520	14.511	14.533	VV	246	2903	0.08%	0.028%
212	14.598	14.533	14.675	VV	862	19790	0.52%	0.192%
213	14.679	14.675	14.728	VV	283	5147	0.13%	0.050%
214	14.748	14.728	14.768	VV	759	11358	0.30%	0.110%
215	14.793	14.768	14.888	VV	2124	40137	1.05%	0.388%
216	14.895	14.888	14.915	VV	135	1341	0.03%	0.013%
217	14.923	14.915	14.937	PV	83	887	0.02%	0.009%
218	14.965	14.937	14.988	VV	278	4647	0.12%	0.045%
219	14.994	14.988	15.019	VV	256	2407	0.06%	0.023%
220	15.061	15.019	15.095	VV	202	3496	0.09%	0.034%
221	15.107	15.095	15.175	VV	136	3246	0.08%	0.031%
222	15.225	15.175	15.255	VV	219	6507	0.17%	0.063%
223	15.262	15.255	15.282	VV	81	1359	0.04%	0.013%
224	15.312	15.282	15.385	VV	1289	21254	0.55%	0.206%
225	15.464	15.385	15.535	PV	268	7143	0.19%	0.069%
226	15.567	15.535	15.660	VV	327	9120	0.24%	0.088%
227	15.684	15.660	15.721	VV	382	4493	0.12%	0.043%
228	15.812	15.721	15.931	VV	2248	45603	1.19%	0.441%
229	15.972	15.931	16.058	PV	251	6215	0.16%	0.060%
230	16.122	16.058	16.147	PV	140	5404	0.14%	0.052%
231	16.165	16.147	16.221	VV	141	3721	0.10%	0.036%
232	16.294	16.221	16.355	PV	1713	30564	0.80%	0.296%
233	16.372	16.355	16.391	VV	126	2606	0.07%	0.025%
234	16.485	16.391	16.535	VV	3871	20730	0.54%	0.201%
235	16.551	16.535	16.570	VV	204	3520	0.09%	0.034%
236	16.644	16.570	16.671	VV	292	12963	0.34%	0.125%
237	16.760	16.671	16.841	VV	2465	59645	1.56%	0.577%
238	16.871	16.841	16.891	VV	259	4666	0.12%	0.045%
239	16.914	16.891	16.951	PV	113	4163	0.11%	0.040%
240	16.989	16.951	17.016	VV	217	4861	0.13%	0.047%
241	17.058	17.016	17.126	VV	159	8635	0.23%	0.084%
242	17.155	17.126	17.181	PV	245	4569	0.12%	0.044%
243	17.209	17.181	17.268	VV	2699	40348	1.05%	0.391%
244	17.312	17.268	17.335	VV	327	8573	0.22%	0.083%
245	17.352	17.335	17.578	VV	1280	69857	1.82%	0.676%
246	17.644	17.578	17.736	VV	2990	93197	2.43%	0.902%

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247	17.778	17.736	17.891	VV	743	40632	1.06%	0.393%
248	17.928	17.891	18.031	VV	449	24877	0.65%	0.241%
249	18.066	18.031	18.121	VV	3115	49755	1.30%	0.482%
250	18.146	18.121	18.178	VV	354	5934	0.15%	0.057%
251	18.331	18.178	18.424	PV	1088	50052	1.31%	0.484%
252	18.476	18.424	18.551	VV	2464	49282	1.29%	0.477%
253	18.566	18.551	18.586	VV	166	2370	0.06%	0.023%
254	18.616	18.586	18.646	PV	217	4077	0.11%	0.039%
255	18.781	18.646	18.801	VV	639	28017	0.73%	0.271%
256	18.872	18.801	18.940	VV	2246	69577	1.82%	0.673%
257	19.045	18.940	19.095	VV	612	30712	0.80%	0.297%
258	19.114	19.095	19.145	VV	206	3901	0.10%	0.038%
259	19.258	19.145	19.320	PV	1998	52329	1.37%	0.506%
260	19.359	19.320	19.381	VV	517	7769	0.20%	0.075%
261	19.560	19.381	19.598	VV	1060	71595	1.87%	0.693%
262	19.633	19.598	19.658	VV	1920	46953	1.23%	0.454%
263	19.896	19.658	19.965	VV	3444	402922	10.51%	3.900%
264	19.997	19.965	20.021	VV	3287	93685	2.44%	0.907%
265	20.055	20.021	20.078	VV	3148	98890	2.58%	0.957%
266	20.154	20.078	20.235	VV	4816	343674	8.97%	3.326%
267	20.352	20.235	20.418	VV	3969	363972	9.50%	3.523%
268	20.524	20.418	20.576	VV	3823	314460	8.20%	3.044%
269	20.607	20.576	20.638	VV	3147	114555	2.99%	1.109%
270	20.720	20.638	20.771	VV	3830	259083	6.76%	2.508%
271	20.806	20.771	20.875	VV	3150	184906	4.82%	1.790%
272	20.885	20.875	20.991	VV	3441	186710	4.87%	1.807%
273	21.048	20.991	21.091	VV	2885	155766	4.06%	1.508%
274	21.133	21.091	21.211	VV	2639	162204	4.23%	1.570%
275	21.255	21.211	21.281	VV	2032	83083	2.17%	0.804%
276	21.284	21.281	21.342	VV	2282	65692	1.71%	0.636%
277	21.368	21.342	21.405	VV	2022	63567	1.66%	0.615%
278	21.599	21.405	21.765	VV	3285	436121	11.38%	4.221%
279	21.785	21.765	21.803	VV	999	22152	0.58%	0.214%
280	21.838	21.803	21.918	VV	950	60029	1.57%	0.581%
281	21.959	21.918	22.058	VV	757	41763	1.09%	0.404%

Sum of corrected areas: 10331535

Aliphatic EPH 111424.M Tue Nov 19 10:55:00 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048775.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 08:37
Operator : YP/AJ
Sample : P4860-05
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PH2-BOT-004

Integration File: sample.E
Quant Time: Nov 19 10:59:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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...	7.367	10224205	58.073 ug/ml
Spiked Amount 50.000		Recovery = 116.15%	
6) S 2-Flurobiphenyl (SURR)	8.216	6451850	56.020 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 112.04%	
11) S ortho-Terphenyl (SURR)	11.251	6203268	32.252 ug/ml
Spiked Amount 50.000		Recovery = 64.50%	
Target Compounds			

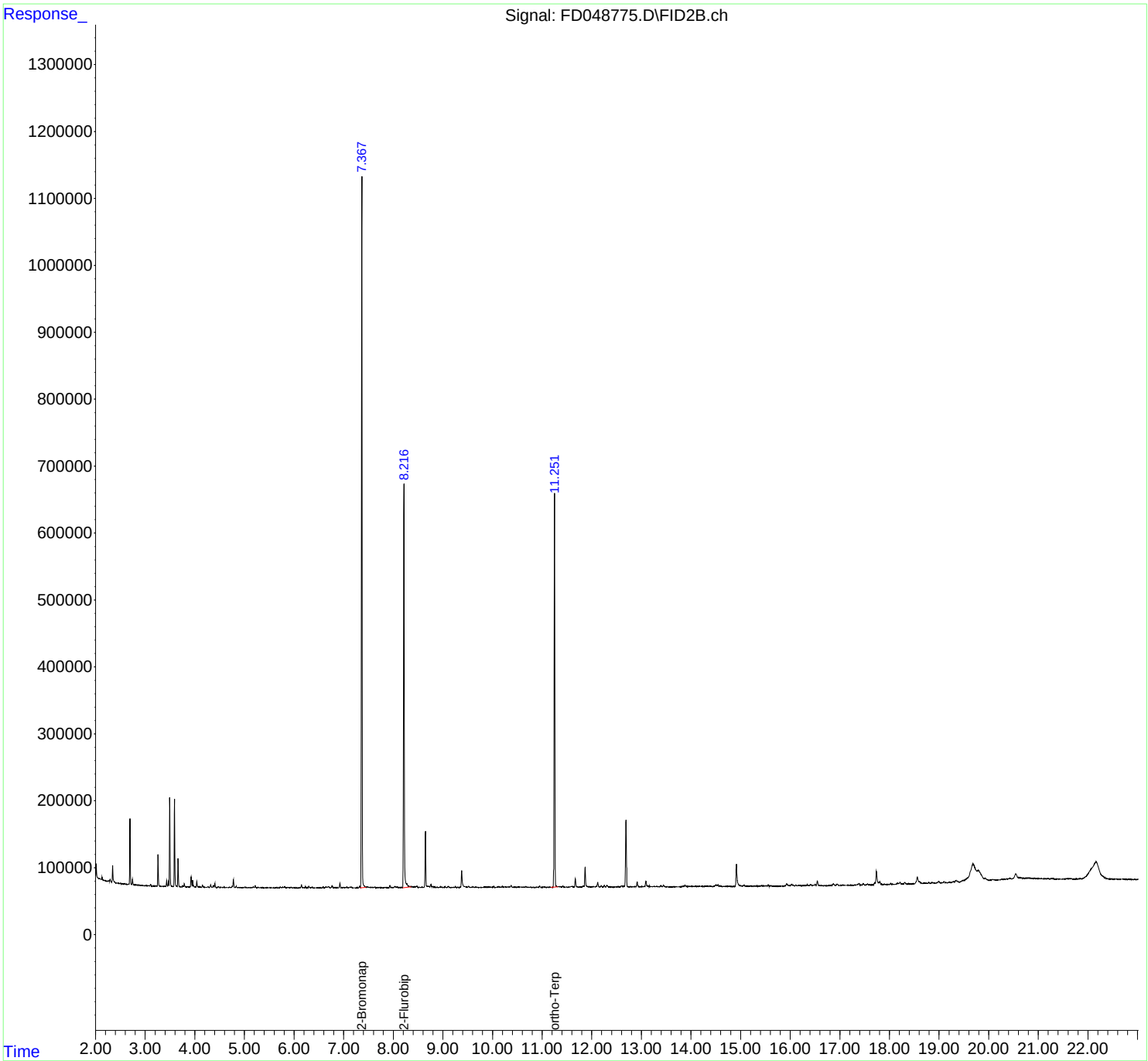
(f)=RT Delta > 1/2 Window (m)=manual int.

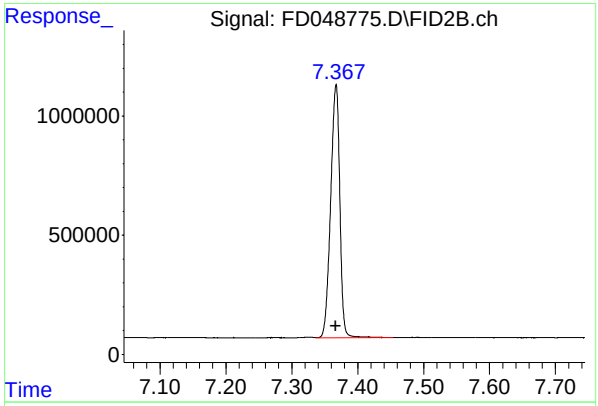
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048775.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 08:37
Operator : YP/AJ
Sample : P4860-05
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PH2-BOT-004

Integration File: sample.E
Quant Time: Nov 19 10:59:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

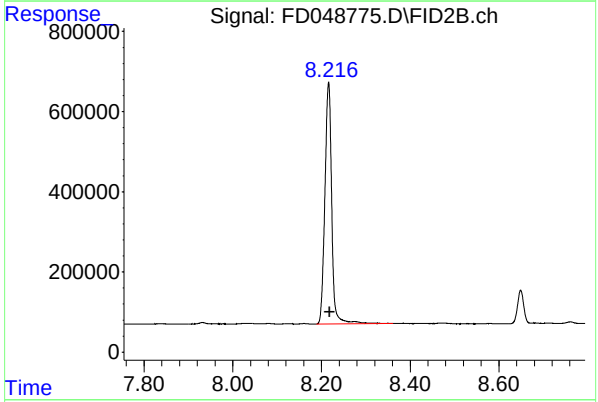




#4 2-Bromonaphthalene (SURR)

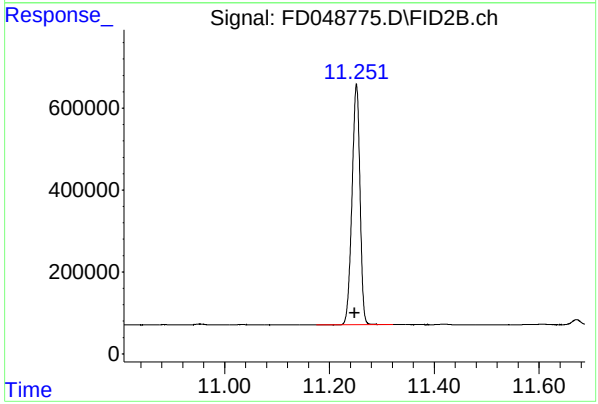
R.T.: 7.367 min
Delta R.T.: 0.000 min
Response: 10224205
Conc: 58.07 ug/ml

Instrument :
FID_D
ClientSampleId :
PH2-BOT-004



#6 2-Flurobiphenyl (SURR)

R.T.: 8.216 min
Delta R.T.: -0.002 min
Response: 6451850
Conc: 56.02 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.251 min
Delta R.T.: 0.003 min
Response: 6203268
Conc: 32.25 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048775.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 08:37
Sample : P4860-05
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.110	4.095	4.138	PV	528	3771	0.04%	0.011%
2	4.157	4.138	4.182	PV	3020	28656	0.28%	0.086%
3	4.186	4.182	4.223	VV	275	1989	0.02%	0.006%
4	4.267	4.244	4.289	VV	1313	14258	0.14%	0.043%
5	4.320	4.289	4.341	PV	4213	46256	0.45%	0.140%
6	4.351	4.341	4.358	VV	562	4536	0.04%	0.014%
7	4.376	4.358	4.390	VV	3069	30363	0.30%	0.092%
8	4.405	4.390	4.445	VV	5979	57746	0.56%	0.174%
9	4.476	4.445	4.508	VV	1435	20050	0.20%	0.060%
10	4.520	4.508	4.545	VV	619	6802	0.07%	0.021%
11	4.561	4.556	4.575	VV	183	1268	0.01%	0.004%
12	4.591	4.575	4.624	PV	885	10893	0.11%	0.033%
13	4.636	4.624	4.646	VV	416	2366	0.02%	0.007%
14	4.655	4.646	4.670	VV	200	2074	0.02%	0.006%
15	4.699	4.670	4.715	VV	918	11539	0.11%	0.035%
16	4.719	4.715	4.734	VV	530	4478	0.04%	0.014%
17	4.756	4.734	4.762	VV	2241	21766	0.21%	0.066%
18	4.778	4.762	4.811	VV	11824	133798	1.30%	0.404%
19	4.834	4.811	4.867	VV	2343	28332	0.28%	0.085%
20	4.872	4.867	4.877	VV	235	1423	0.01%	0.004%
21	4.882	4.877	4.901	VV	393	3870	0.04%	0.012%
22	4.913	4.901	4.927	VV	328	3672	0.04%	0.011%
23	4.929	4.927	4.935	VV	347	1510	0.01%	0.005%
24	4.937	4.935	4.941	VV	389	1087	0.01%	0.003%
25	4.945	4.941	4.957	VV	395	2686	0.03%	0.008%
26	4.967	4.957	4.986	VV	704	6993	0.07%	0.021%
27	5.011	4.986	5.043	PV	1584	22945	0.22%	0.069%
28	5.060	5.043	5.081	VV	526	8555	0.08%	0.026%
29	5.102	5.081	5.116	VV	560	6966	0.07%	0.021%
30	5.145	5.116	5.155	VV	753	10516	0.10%	0.032%
31	5.180	5.155	5.198	VV	1863	22362	0.22%	0.067%
32	5.219	5.198	5.244	VV	3594	38337	0.37%	0.116%
33	5.253	5.244	5.260	VV	396	2904	0.03%	0.009%
34	5.275	5.260	5.303	VV	847	11502	0.11%	0.035%
35	5.322	5.303	5.339	VV	496	8332	0.08%	0.025%
36	5.343	5.339	5.362	VV	542	6149	0.06%	0.019%

rteres

37	5.365	5.362	5.398	VV	507	6999	0.07%	0.021%
38	5.422	5.398	5.435	PV	520	6499	0.06%	0.020%
39	5.448	5.435	5.454	VV	583	4676	0.05%	0.014%
40	5.467	5.454	5.487	VV	619	7816	0.08%	0.024%
41	5.534	5.487	5.559	VV	586	14304	0.14%	0.043%
42	5.569	5.559	5.573	VV	327	2015	0.02%	0.006%
43	5.582	5.573	5.593	VV	346	2627	0.03%	0.008%
44	5.603	5.593	5.619	VV	300	3029	0.03%	0.009%
45	5.626	5.619	5.650	VV	359	5035	0.05%	0.015%
46	5.664	5.650	5.684	VV	506	6330	0.06%	0.019%
47	5.694	5.684	5.702	VV	513	4132	0.04%	0.012%
48	5.726	5.702	5.749	VV	1376	24732	0.24%	0.075%
49	5.772	5.749	5.797	VV	1188	22250	0.22%	0.067%
50	5.812	5.797	5.833	VV	2263	26557	0.26%	0.080%
51	5.839	5.833	5.859	VV	470	6171	0.06%	0.019%
52	5.883	5.859	5.907	VV	1118	18480	0.18%	0.056%
53	5.945	5.907	5.972	VV	1110	23354	0.23%	0.070%
54	5.987	5.972	5.994	VV	467	3451	0.03%	0.010%
55	6.016	5.994	6.032	VV	495	6472	0.06%	0.020%
56	6.048	6.032	6.062	VV	337	3458	0.03%	0.010%
57	6.066	6.062	6.092	PV	264	2845	0.03%	0.009%
58	6.111	6.092	6.127	VV	534	6620	0.06%	0.020%
59	6.151	6.127	6.174	VV	4752	51098	0.50%	0.154%
60	6.194	6.174	6.215	VV	663	12414	0.12%	0.037%
61	6.231	6.215	6.250	VV	1916	20613	0.20%	0.062%
62	6.267	6.250	6.284	VV	1209	12811	0.12%	0.039%
63	6.298	6.284	6.318	VV	2952	29930	0.29%	0.090%
64	6.328	6.318	6.349	VV	917	9916	0.10%	0.030%
65	6.370	6.349	6.388	VV	1725	17640	0.17%	0.053%
66	6.396	6.388	6.411	VV	262	2574	0.03%	0.008%
67	6.431	6.411	6.437	VV	272	3356	0.03%	0.010%
68	6.444	6.437	6.449	VV	333	1775	0.02%	0.005%
69	6.465	6.449	6.487	VV	771	9113	0.09%	0.027%
70	6.517	6.502	6.559	VV	442	6904	0.07%	0.021%
71	6.588	6.559	6.609	VV	1941	21195	0.21%	0.064%
72	6.617	6.609	6.624	VV	338	2689	0.03%	0.008%
73	6.641	6.624	6.661	VV	1933	28326	0.28%	0.085%
74	6.667	6.661	6.673	VV	1069	7043	0.07%	0.021%
75	6.688	6.673	6.702	VV	2009	27634	0.27%	0.083%
76	6.705	6.702	6.735	VV	1584	15960	0.16%	0.048%
77	6.766	6.735	6.803	VV	3337	48925	0.48%	0.148%
78	6.808	6.803	6.823	VV	407	2795	0.03%	0.008%
79	6.836	6.823	6.855	VV	497	7324	0.07%	0.022%
80	6.870	6.855	6.886	VV	797	8455	0.08%	0.026%
81	6.891	6.886	6.899	VV	251	1130	0.01%	0.003%
82	6.926	6.899	6.965	VV	7259	77009	0.75%	0.232%
83	6.986	6.965	7.020	VV	893	18190	0.18%	0.055%
84	7.034	7.020	7.045	VV	1025	9565	0.09%	0.029%
85	7.066	7.045	7.085	VV	1506	21712	0.21%	0.065%
86	7.100	7.085	7.109	VV	562	5447	0.05%	0.016%
87	7.129	7.109	7.142	VV	1058	15196	0.15%	0.046%
88	7.156	7.142	7.196	VV	1468	19356	0.19%	0.058%
89	7.204	7.196	7.210	VV	248	1571	0.02%	0.005%

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90	7.220	7.210	7.243	VV	276	2857	0.03%	0.009%
91	7.274	7.256	7.305	VV	702	8664	0.08%	0.026%
92	7.326	7.305	7.339	VV	2594	27749	0.27%	0.084%
93	7.367	7.339	7.454	VV	1060504	10268954	100.00%	30.975%
94	7.491	7.454	7.512	VV	1765	43943	0.43%	0.133%
95	7.520	7.512	7.529	VV	942	8409	0.08%	0.025%
96	7.534	7.529	7.552	VV	749	8958	0.09%	0.027%
97	7.557	7.552	7.572	VV	617	6748	0.07%	0.020%
98	7.586	7.572	7.607	VV	981	13541	0.13%	0.041%
99	7.630	7.607	7.656	VV	1521	22142	0.22%	0.067%
100	7.659	7.656	7.669	VV	380	2497	0.02%	0.008%
101	7.684	7.669	7.702	VV	577	8044	0.08%	0.024%
102	7.721	7.702	7.776	VV	922	18512	0.18%	0.056%
103	7.802	7.776	7.814	VV	273	4059	0.04%	0.012%
104	7.835	7.814	7.863	VV	875	13858	0.13%	0.042%
105	7.873	7.863	7.892	VV	329	3479	0.03%	0.010%
106	7.932	7.892	7.957	VV	3881	48048	0.47%	0.145%
107	7.960	7.957	7.975	VV	682	6030	0.06%	0.018%
108	7.978	7.975	7.989	VV	635	3655	0.04%	0.011%
109	7.991	7.989	7.999	VV	419	2104	0.02%	0.006%
110	8.029	7.999	8.062	VV	1827	42947	0.42%	0.130%
111	8.080	8.062	8.105	VV	1422	21973	0.21%	0.066%
112	8.124	8.105	8.147	VV	1024	14427	0.14%	0.044%
113	8.161	8.147	8.187	VV	1346	15513	0.15%	0.047%
114	8.216	8.187	8.267	VV	602671	6368503	62.02%	19.210%
115	8.275	8.267	8.345	VV	6243	153143	1.49%	0.462%
116	8.350	8.345	8.369	VV	1971	23998	0.23%	0.072%
117	8.383	8.369	8.405	VV	1924	35092	0.34%	0.106%
118	8.417	8.405	8.430	VV	1671	22138	0.22%	0.067%
119	8.436	8.430	8.454	VV	1612	18872	0.18%	0.057%
120	8.470	8.454	8.513	VV	2327	52571	0.51%	0.159%
121	8.530	8.513	8.545	VV	1129	15426	0.15%	0.047%
122	8.576	8.545	8.598	VV	1304	25570	0.25%	0.077%
123	8.649	8.598	8.672	VV	84331	839599	8.18%	2.533%
124	8.681	8.672	8.697	VV	2733	34524	0.34%	0.104%
125	8.716	8.697	8.734	VV	2322	41341	0.40%	0.125%
126	8.761	8.734	8.784	VV	5280	86883	0.85%	0.262%
127	8.793	8.784	8.816	VV	1574	25216	0.25%	0.076%
128	8.833	8.816	8.857	VV	1582	23788	0.23%	0.072%
129	8.861	8.857	8.865	VV	594	2573	0.03%	0.008%
130	8.881	8.865	8.917	VV	1232	20076	0.20%	0.061%
131	8.942	8.917	8.952	VV	855	12105	0.12%	0.037%
132	8.957	8.952	9.010	VV	1221	23270	0.23%	0.070%
133	9.030	9.010	9.036	VV	1098	12537	0.12%	0.038%
134	9.048	9.036	9.064	VV	1113	15302	0.15%	0.046%
135	9.070	9.064	9.083	VV	584	6054	0.06%	0.018%
136	9.108	9.083	9.148	VV	2149	39087	0.38%	0.118%
137	9.157	9.148	9.164	VV	578	4287	0.04%	0.013%
138	9.171	9.164	9.177	VV	635	3955	0.04%	0.012%
139	9.189	9.177	9.197	VV	659	6946	0.07%	0.021%
140	9.203	9.197	9.230	VV	590	8703	0.08%	0.026%
141	9.248	9.230	9.272	VV	1174	16392	0.16%	0.049%

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142	9.301	9.272	9.306	VV	955	10197	0.10%	0.031%
143	9.308	9.306	9.318	VV	680	3773	0.04%	0.011%
144	9.346	9.318	9.358	VV	1057	16545	0.16%	0.050%
145	9.380	9.358	9.430	VV	25568	352584	3.43%	1.064%
146	9.438	9.430	9.456	VV	1782	23567	0.23%	0.071%
147	9.462	9.456	9.490	VV	1393	21713	0.21%	0.065%
148	9.496	9.490	9.501	VV	844	4666	0.05%	0.014%
149	9.522	9.501	9.555	VV	2326	37298	0.36%	0.113%
150	9.593	9.555	9.600	VV	1105	19189	0.19%	0.058%
151	9.605	9.600	9.609	VV	940	4622	0.05%	0.014%
152	9.617	9.609	9.640	VV	1089	12596	0.12%	0.038%
153	9.648	9.640	9.650	VV	527	2744	0.03%	0.008%
154	9.667	9.650	9.679	VV	773	10929	0.11%	0.033%
155	9.694	9.679	9.709	VV	735	8654	0.08%	0.026%
156	9.724	9.709	9.730	VV	416	3884	0.04%	0.012%
157	9.737	9.730	9.755	VV	589	4116	0.04%	0.012%
158	9.766	9.755	9.777	VV	484	3346	0.03%	0.010%
159	9.788	9.777	9.808	VV	617	8532	0.08%	0.026%
160	9.835	9.808	9.853	VV	1198	21184	0.21%	0.064%
161	9.858	9.853	9.879	VV	692	9676	0.09%	0.029%
162	9.887	9.879	9.895	VV	647	5896	0.06%	0.018%
163	9.916	9.895	9.930	VV	1091	16035	0.16%	0.048%
164	9.942	9.930	9.969	VV	1038	17134	0.17%	0.052%
165	9.973	9.969	9.990	VV	696	7141	0.07%	0.022%
166	10.023	9.990	10.050	VV	2151	31636	0.31%	0.095%
167	10.071	10.050	10.078	VV	468	5798	0.06%	0.017%
168	10.117	10.078	10.129	VV	1429	26967	0.26%	0.081%
169	10.139	10.129	10.143	VV	976	7546	0.07%	0.023%
170	10.148	10.143	10.167	VV	1037	10938	0.11%	0.033%
171	10.205	10.167	10.237	VV	1373	36380	0.35%	0.110%
172	10.248	10.237	10.288	VV	1163	25292	0.25%	0.076%
173	10.308	10.288	10.323	VV	1275	16297	0.16%	0.049%
174	10.339	10.323	10.352	VV	938	13264	0.13%	0.040%
175	10.379	10.352	10.406	VV	3145	50093	0.49%	0.151%
176	10.426	10.406	10.457	VV	799	16986	0.17%	0.051%
177	10.463	10.457	10.490	VV	705	10758	0.10%	0.032%
178	10.510	10.490	10.524	VV	1110	14933	0.15%	0.045%
179	10.532	10.524	10.540	VV	889	7238	0.07%	0.022%
180	10.547	10.540	10.569	VV	833	12654	0.12%	0.038%
181	10.578	10.569	10.598	VV	1012	12027	0.12%	0.036%
182	10.612	10.598	10.635	VV	688	10984	0.11%	0.033%
183	10.645	10.635	10.656	VV	747	7516	0.07%	0.023%
184	10.675	10.656	10.693	VV	1293	20335	0.20%	0.061%
185	10.707	10.693	10.728	VV	736	10198	0.10%	0.031%
186	10.752	10.728	10.797	VV	468	12632	0.12%	0.038%
187	10.816	10.797	10.844	VV	448	8312	0.08%	0.025%
188	10.850	10.844	10.865	VV	235	2292	0.02%	0.007%
189	10.884	10.865	10.908	VV	1081	12873	0.13%	0.039%
190	10.931	10.908	10.935	VV	551	6797	0.07%	0.021%
191	10.953	10.935	10.986	VV	2399	30854	0.30%	0.093%
192	11.002	10.986	11.010	VV	543	5103	0.05%	0.015%
193	11.035	11.010	11.060	VV	1080	18640	0.18%	0.056%
194	11.064	11.060	11.085	VV	405	3760	0.04%	0.011%

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195	11.105	11.085	11.129	VV	667	8574	0.08%	0.026%
196	11.139	11.129	11.156	VV	518	5546	0.05%	0.017%
197	11.164	11.156	11.209	VV	350	7403	0.07%	0.022%
198	11.252	11.209	11.304	PV	588084	6241693	60.78%	18.827%
199	11.305	11.304	11.322	VV	1391	13597	0.13%	0.041%
200	11.336	11.322	11.360	VV	1410	26135	0.25%	0.079%
201	11.366	11.360	11.369	VV	960	4351	0.04%	0.013%
202	11.378	11.369	11.394	VV	1010	12625	0.12%	0.038%
203	11.419	11.394	11.455	VV	2108	36182	0.35%	0.109%
204	11.459	11.455	11.462	VV	490	1924	0.02%	0.006%
205	11.467	11.462	11.475	VV	599	4212	0.04%	0.013%
206	11.477	11.475	11.484	VV	570	2506	0.02%	0.008%
207	11.491	11.484	11.503	VV	597	6116	0.06%	0.018%
208	11.509	11.503	11.516	VV	575	4307	0.04%	0.013%
209	11.543	11.516	11.555	VV	669	12429	0.12%	0.037%
210	11.582	11.555	11.588	VV	1214	16014	0.16%	0.048%
211	11.607	11.588	11.631	VV	1856	32522	0.32%	0.098%
212	11.671	11.631	11.697	VV	13004	165742	1.61%	0.500%
213	11.707	11.697	11.734	VV	1138	16012	0.16%	0.048%
214	11.753	11.734	11.760	VV	802	10087	0.10%	0.030%
215	11.775	11.760	11.785	VV	952	11190	0.11%	0.034%
216	11.833	11.785	11.846	VV	2091	43760	0.43%	0.132%
217	11.868	11.846	11.941	VV	30852	389123	3.79%	1.174%
218	11.946	11.941	11.989	VV	1031	18708	0.18%	0.056%
219	11.997	11.989	12.006	VV	654	5247	0.05%	0.016%
220	12.024	12.006	12.027	VV	900	9524	0.09%	0.029%
221	12.032	12.027	12.058	VV	1012	14269	0.14%	0.043%
222	12.069	12.058	12.074	VV	842	7026	0.07%	0.021%
223	12.091	12.074	12.098	VV	1325	15527	0.15%	0.047%
224	12.122	12.098	12.169	VV	7397	107110	1.04%	0.323%
225	12.194	12.169	12.223	VV	2405	37279	0.36%	0.112%
226	12.227	12.223	12.233	VV	464	2588	0.03%	0.008%
227	12.254	12.233	12.279	VV	3051	39801	0.39%	0.120%
228	12.304	12.279	12.379	VV	2819	65701	0.64%	0.198%
229	12.395	12.379	12.437	VV	716	12538	0.12%	0.038%
230	12.450	12.437	12.461	PV	307	3265	0.03%	0.010%
231	12.487	12.461	12.493	VV	756	10455	0.10%	0.032%
232	12.527	12.493	12.565	VV	812	23400	0.23%	0.071%
233	12.598	12.565	12.635	VV	2184	51880	0.51%	0.156%
234	12.654	12.635	12.661	VV	1573	19528	0.19%	0.059%
235	12.692	12.661	12.724	VV	100807	1213375	11.82%	3.660%
236	12.739	12.724	12.749	VV	1030	12148	0.12%	0.037%
237	12.754	12.749	12.782	VV	907	14649	0.14%	0.044%
238	12.793	12.782	12.808	VV	721	9451	0.09%	0.029%
239	12.823	12.808	12.840	VV	719	10451	0.10%	0.032%
240	12.861	12.840	12.869	VV	1067	13207	0.13%	0.040%
241	12.872	12.869	12.894	VV	885	12575	0.12%	0.038%
242	12.917	12.894	12.951	VV	7573	106517	1.04%	0.321%
243	12.990	12.951	13.017	VV	975	28109	0.27%	0.085%
244	13.023	13.017	13.035	VV	611	5891	0.06%	0.018%
245	13.061	13.035	13.070	VV	1293	18760	0.18%	0.057%
246	13.092	13.070	13.133	VV	9102	137582	1.34%	0.415%

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247	13.140	13.133	13.170	VV	1395	25817	0.25%	0.078%
248	13.191	13.170	13.196	VV	948	12298	0.12%	0.037%
249	13.203	13.196	13.230	VV	937	16024	0.16%	0.048%
250	13.264	13.230	13.280	VV	1061	24776	0.24%	0.075%
251	13.287	13.280	13.308	VV	852	13235	0.13%	0.040%
252	13.314	13.308	13.332	VV	906	10890	0.11%	0.033%
253	13.349	13.332	13.370	VV	851	16972	0.17%	0.051%
254	13.394	13.370	13.421	VV	2171	38363	0.37%	0.116%
255	13.447	13.421	13.495	VV	2797	53153	0.52%	0.160%
256	13.501	13.495	13.555	VV	740	13742	0.13%	0.041%
257	13.560	13.555	13.572	VV	269	2167	0.02%	0.007%
258	13.576	13.572	13.599	VV	381	2735	0.03%	0.008%
259	13.630	13.599	13.636	PV	246	3147	0.03%	0.009%
260	13.657	13.636	13.687	VV	483	10323	0.10%	0.031%
261	13.692	13.687	13.743	VV	471	9272	0.09%	0.028%
262	13.779	13.743	13.801	VV	581	11784	0.11%	0.036%
263	13.805	13.801	13.807	VV	477	1485	0.01%	0.004%
264	13.815	13.807	13.820	VV	529	3540	0.03%	0.011%
265	13.839	13.820	13.845	VV	1369	15693	0.15%	0.047%
266	13.851	13.845	13.864	VV	1317	13126	0.13%	0.040%
267	13.878	13.864	13.902	VV	2552	36505	0.36%	0.110%
268	13.906	13.902	13.919	VV	856	7917	0.08%	0.024%
269	13.923	13.919	13.949	VV	867	12583	0.12%	0.038%
270	13.954	13.949	13.976	VV	616	9150	0.09%	0.028%
271	13.981	13.976	13.989	VV	656	4702	0.05%	0.014%
272	14.004	13.989	14.030	VV	988	17442	0.17%	0.053%
273	14.037	14.030	14.070	VV	807	12708	0.12%	0.038%
274	14.099	14.070	14.122	VV	934	22172	0.22%	0.067%
275	14.128	14.122	14.137	VV	804	5905	0.06%	0.018%
276	14.165	14.137	14.184	VV	1118	24147	0.24%	0.073%
277	14.191	14.184	14.199	VV	857	6677	0.07%	0.020%
278	14.218	14.199	14.234	VV	1039	16932	0.16%	0.051%
279	14.237	14.234	14.240	VV	601	2150	0.02%	0.006%
280	14.254	14.240	14.278	VV	847	14000	0.14%	0.042%
281	14.316	14.278	14.334	VV	1226	28199	0.27%	0.085%
282	14.351	14.334	14.373	VV	973	18475	0.18%	0.056%
283	14.387	14.373	14.422	VV	1075	19779	0.19%	0.060%
284	14.426	14.422	14.435	VV	426	2439	0.02%	0.007%
285	14.502	14.435	14.526	VV	2693	76289	0.74%	0.230%
286	14.541	14.526	14.567	VV	2916	45213	0.44%	0.136%
287	14.584	14.567	14.614	VV	1560	24291	0.24%	0.073%
288	14.624	14.614	14.648	VV	536	5922	0.06%	0.018%
289	14.654	14.648	14.661	VV	312	1405	0.01%	0.004%
290	14.668	14.661	14.688	VV	549	4102	0.04%	0.012%
291	14.717	14.688	14.755	PV	881	19357	0.19%	0.058%
292	14.776	14.755	14.788	VV	297	3741	0.04%	0.011%
293	14.800	14.788	14.806	VV	452	3338	0.03%	0.010%
294	14.811	14.806	14.820	VV	454	2692	0.03%	0.008%
295	14.824	14.820	14.830	VV	401	2280	0.02%	0.007%
296	14.835	14.830	14.868	VV	450	6959	0.07%	0.021%
297	14.916	14.868	15.042	VV	33829	583703	5.68%	1.761%
298	15.070	15.042	15.092	VV	2647	43931	0.43%	0.133%
299	15.109	15.092	15.137	VV	905	15020	0.15%	0.045%

rteres

300	15.155	15.137	15.174	VV	815	13409	0.13%	0.040%
301	15.191	15.174	15.204	VV	716	10179	0.10%	0.031%
302	15.210	15.204	15.238	VV	619	10436	0.10%	0.031%
303	15.251	15.238	15.260	VV	612	7461	0.07%	0.023%
304	15.265	15.260	15.278	VV	633	5825	0.06%	0.018%
305	15.285	15.278	15.310	VV	510	8756	0.09%	0.026%
306	15.323	15.310	15.341	VV	740	9319	0.09%	0.028%
307	15.366	15.341	15.389	VV	682	14129	0.14%	0.043%
308	15.442	15.389	15.487	VV	1218	40700	0.40%	0.123%
309	15.491	15.487	15.497	VV	376	2177	0.02%	0.007%
310	15.519	15.497	15.537	VV	1227	17267	0.17%	0.052%
311	15.559	15.537	15.580	VV	2104	26712	0.26%	0.081%
312	15.614	15.580	15.688	VV	908	23885	0.23%	0.072%
313	15.725	15.688	15.749	PV	399	5440	0.05%	0.016%
314	15.754	15.749	15.764	VV	236	1289	0.01%	0.004%
315	15.780	15.764	15.787	VV	130	1311	0.01%	0.004%
316	15.805	15.796	15.815	VV	201	1184	0.01%	0.004%
317	15.823	15.815	15.830	PV	259	1252	0.01%	0.004%
318	15.832	15.830	15.862	VV	197	2433	0.02%	0.007%
319	15.926	15.862	15.989	VV	3824	92395	0.90%	0.279%
320	15.990	15.989	15.994	VV	778	2290	0.02%	0.007%
321	16.025	15.994	16.092	VV	2799	82996	0.81%	0.250%
322	16.113	16.092	16.138	VV	1467	25115	0.24%	0.076%
323	16.167	16.138	16.224	VV	1429	36892	0.36%	0.111%
324	16.228	16.224	16.244	VV	611	5416	0.05%	0.016%
325	16.250	16.244	16.258	VV	442	3042	0.03%	0.009%
326	16.261	16.258	16.269	VV	378	2274	0.02%	0.007%
327	16.295	16.269	16.318	VV	1226	19211	0.19%	0.058%
328	16.340	16.318	16.379	VV	1829	37438	0.36%	0.113%
329	16.412	16.379	16.448	VV	1945	45631	0.44%	0.138%
330	16.469	16.448	16.484	VV	1349	21219	0.21%	0.064%
331	16.502	16.484	16.522	VV	2494	36756	0.36%	0.111%
332	16.546	16.522	16.569	VV	7524	105714	1.03%	0.319%
333	16.575	16.569	16.604	VV	1163	16372	0.16%	0.049%
334	16.614	16.604	16.619	VV	444	3613	0.04%	0.011%
335	16.630	16.619	16.641	VV	526	5155	0.05%	0.016%
336	16.647	16.641	16.682	VV	435	7001	0.07%	0.021%
337	16.703	16.682	16.740	VV	397	8398	0.08%	0.025%
338	16.766	16.740	16.787	PV	392	6360	0.06%	0.019%
339	16.800	16.787	16.821	VV	576	8856	0.09%	0.027%
340	16.833	16.821	16.839	VV	308	2761	0.03%	0.008%
341	16.865	16.839	16.915	VV	2631	64593	0.63%	0.195%
342	16.948	16.915	16.977	VV	2528	48181	0.47%	0.145%
343	16.997	16.977	17.014	VV	465	7439	0.07%	0.022%
344	17.031	17.014	17.048	VV	640	9790	0.10%	0.030%
345	17.063	17.048	17.073	VV	775	8488	0.08%	0.026%
346	17.085	17.073	17.108	VV	584	7639	0.07%	0.023%
347	17.124	17.108	17.134	VV	282	3391	0.03%	0.010%
348	17.186	17.134	17.212	VV	511	14370	0.14%	0.043%
349	17.239	17.212	17.247	VV	425	5591	0.05%	0.017%
350	17.250	17.247	17.260	VV	266	1342	0.01%	0.004%
351	17.354	17.260	17.364	PV	1134	37241	0.36%	0.112%

rteres

352	17.384	17.364	17.410	VV	2852	43181	0.42%	0.130%
353	17.425	17.410	17.430	VV	485	4029	0.04%	0.012%
354	17.436	17.430	17.441	VV	364	2060	0.02%	0.006%
355	17.471	17.441	17.498	VV	2200	36567	0.36%	0.110%
356	17.503	17.498	17.515	VV	458	3356	0.03%	0.010%
357	17.551	17.515	17.618	VV	1542	35829	0.35%	0.108%
358	17.644	17.630	17.650	PV	209	1317	0.01%	0.004%
359	17.654	17.650	17.665	VV	256	1720	0.02%	0.005%
360	17.702	17.665	17.713	VV	3660	54566	0.53%	0.165%
361	17.736	17.713	17.788	VV	20233	375741	3.66%	1.133%
362	17.805	17.788	17.867	VV	4396	91763	0.89%	0.277%
363	17.886	17.867	17.925	VV	970	21902	0.21%	0.066%
364	17.931	17.925	17.949	VV	541	5680	0.06%	0.017%
365	17.957	17.949	17.976	VV	465	4211	0.04%	0.013%
366	18.021	17.976	18.082	PV	1452	33903	0.33%	0.102%
367	18.157	18.103	18.175	PV	815	4997	0.05%	0.015%
368	18.182	18.175	18.192	VV	310	1568	0.02%	0.005%

Sum of corrected areas: 33152245

Aromatic EPH 111424.M Tue Nov 19 11:05:47 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067815.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 07:59
Operator : YP/AJ
Sample : P4860-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PH2-BOT-009

Integration File: sample.E
Quant Time: Nov 19 10:47:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 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...	12.941	3966575	27.325 ug/ml
Spiked Amount 50.000		Recovery = 54.65%	
Target Compounds			

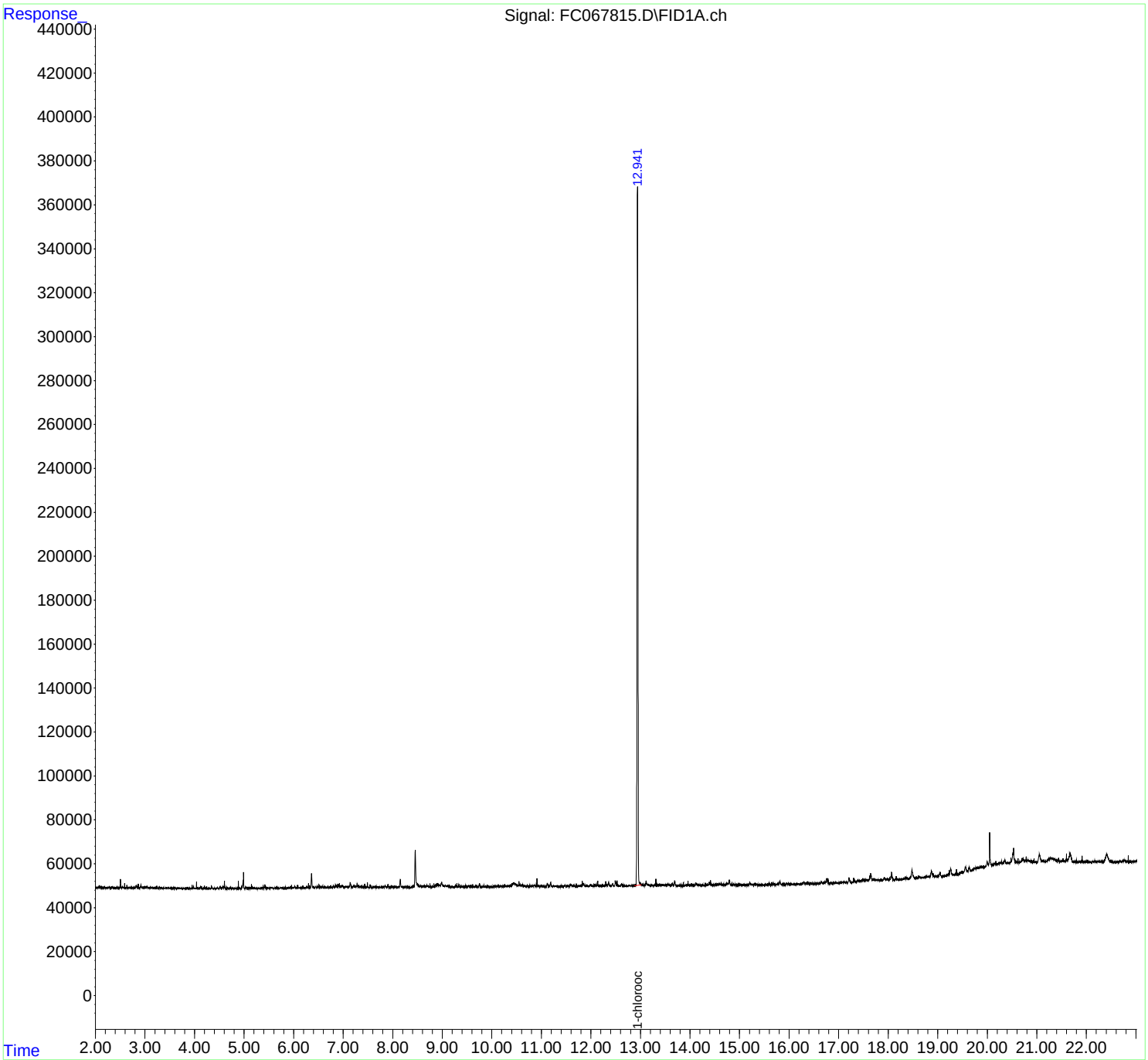
(f)=RT Delta > 1/2 Window (m)=manual int.

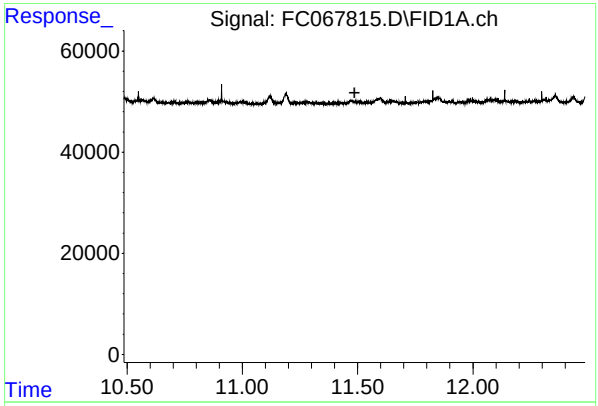
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067815.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 07:59
Operator : YP/AJ
Sample : P4860-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PH2-BOT-009

Integration File: sample.E
Quant Time: Nov 19 10:47:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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

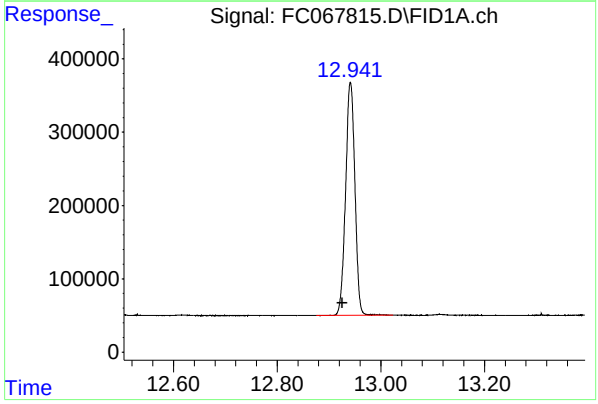




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.486 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PH2-BOT-009



#12 1-chlorooctadecane (SURR)

R.T.: 12.941 min
Delta R.T.: 0.016 min
Response: 3966575
Conc: 27.33 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067815.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 07:59
Sample : P4860-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.238	3.224	3.258	BV	344	692	0.02%	0.003%
2	3.288	3.258	3.355	PV	260	5120	0.13%	0.025%
3	3.438	3.355	3.469	VV	197	7384	0.18%	0.036%
4	3.480	3.469	3.551	VV	191	5685	0.14%	0.028%
5	3.564	3.551	3.582	VV	162	2163	0.05%	0.011%
6	3.594	3.582	3.625	VV	261	3132	0.08%	0.015%
7	3.648	3.625	3.668	PV	110	1488	0.04%	0.007%
8	3.678	3.668	3.691	VV	173	842	0.02%	0.004%
9	3.724	3.691	3.754	VV	72	1575	0.04%	0.008%
10	3.777	3.754	3.793	VV	176	2127	0.05%	0.010%
11	3.814	3.793	3.838	VV	143	1989	0.05%	0.010%
12	3.861	3.838	3.911	PV	189	3145	0.08%	0.015%
13	3.922	3.911	3.937	VV	54	627	0.02%	0.003%
14	3.953	3.937	3.964	VV	480	3408	0.08%	0.017%
15	3.980	3.964	4.026	VV	705	8167	0.20%	0.040%
16	4.041	4.026	4.072	VV	1119	4587	0.11%	0.022%
17	4.127	4.072	4.172	VV	626	13470	0.33%	0.066%
18	4.204	4.172	4.238	VV	556	4718	0.12%	0.023%
19	4.248	4.238	4.294	VV	409	3377	0.08%	0.016%
20	4.300	4.294	4.318	VV	95	897	0.02%	0.004%
21	4.350	4.318	4.426	PV	617	12838	0.32%	0.062%
22	4.457	4.426	4.486	VV	320	6948	0.17%	0.034%
23	4.517	4.486	4.540	VV	965	12843	0.32%	0.062%
24	4.573	4.540	4.587	VV	841	11797	0.29%	0.057%
25	4.604	4.587	4.636	VV	2131	15697	0.39%	0.076%
26	4.647	4.636	4.677	VV	208	3141	0.08%	0.015%
27	4.718	4.677	4.728	VV	214	4500	0.11%	0.022%
28	4.736	4.728	4.805	VV	147	3918	0.10%	0.019%
29	4.823	4.805	4.855	VV	141	1709	0.04%	0.008%
30	4.869	4.855	4.881	PV	85	760	0.02%	0.004%
31	4.885	4.881	4.925	PV	1465	6732	0.17%	0.033%
32	4.989	4.925	5.010	VV	5002	47996	1.19%	0.233%
33	5.037	5.010	5.098	VV	666	10799	0.27%	0.053%
34	5.108	5.098	5.119	VV	482	1919	0.05%	0.009%
35	5.151	5.119	5.194	VV	748	8102	0.20%	0.039%
36	5.204	5.194	5.215	VV	226	1744	0.04%	0.008%

rteres

37	5.221	5.215	5.241	VV	149	1141	0.03%	0.006%
38	5.256	5.241	5.305	VV	195	3369	0.08%	0.016%
39	5.351	5.305	5.365	VV	167	3911	0.10%	0.019%
40	5.383	5.365	5.404	VV	678	7318	0.18%	0.036%
41	5.424	5.404	5.463	VV	1322	16955	0.42%	0.082%
42	5.475	5.463	5.521	VV	398	7285	0.18%	0.035%
43	5.563	5.521	5.582	VV	346	7509	0.19%	0.037%
44	5.587	5.582	5.597	VV	179	1429	0.04%	0.007%
45	5.607	5.597	5.651	VV	236	4711	0.12%	0.023%
46	5.669	5.651	5.696	VV	323	5932	0.15%	0.029%
47	5.751	5.696	5.805	VV	263	10449	0.26%	0.051%
48	5.831	5.805	5.854	VV	185	2544	0.06%	0.012%
49	5.887	5.854	5.902	VV	193	3686	0.09%	0.018%
50	5.934	5.902	5.964	VV	406	10038	0.25%	0.049%
51	5.978	5.964	6.003	VV	376	5632	0.14%	0.027%
52	6.022	6.003	6.051	VV	676	9881	0.25%	0.048%
53	6.079	6.051	6.127	VV	773	11587	0.29%	0.056%
54	6.151	6.127	6.214	VV	509	11271	0.28%	0.055%
55	6.222	6.214	6.231	VV	183	1507	0.04%	0.007%
56	6.254	6.231	6.281	VV	325	7678	0.19%	0.037%
57	6.301	6.281	6.310	VV	884	5021	0.12%	0.024%
58	6.322	6.310	6.333	VV	699	4495	0.11%	0.022%
59	6.362	6.333	6.425	VV	6554	78959	1.96%	0.384%
60	6.447	6.425	6.464	VV	796	11390	0.28%	0.055%
61	6.482	6.464	6.493	VV	605	7729	0.19%	0.038%
62	6.511	6.493	6.530	VV	1241	16220	0.40%	0.079%
63	6.545	6.530	6.561	VV	530	8101	0.20%	0.039%
64	6.583	6.561	6.619	VV	714	15440	0.38%	0.075%
65	6.640	6.619	6.651	VV	465	7208	0.18%	0.035%
66	6.664	6.651	6.674	VV	372	5053	0.13%	0.025%
67	6.685	6.674	6.717	VV	448	9807	0.24%	0.048%
68	6.726	6.717	6.776	VV	454	13556	0.34%	0.066%
69	6.804	6.776	6.830	VV	825	16326	0.41%	0.079%
70	6.855	6.830	6.884	VV	1120	24117	0.60%	0.117%
71	6.888	6.884	6.894	VV	1040	4713	0.12%	0.023%
72	6.906	6.894	6.943	VV	880	22615	0.56%	0.110%
73	6.982	6.943	7.008	VV	1353	30897	0.77%	0.150%
74	7.035	7.008	7.048	VV	526	10749	0.27%	0.052%
75	7.079	7.048	7.120	VV	577	21299	0.53%	0.104%
76	7.144	7.120	7.174	VV	2528	36852	0.92%	0.179%
77	7.220	7.174	7.233	VV	1051	20202	0.50%	0.098%
78	7.250	7.233	7.263	VV	805	11598	0.29%	0.056%
79	7.283	7.263	7.331	VV	1556	31752	0.79%	0.154%
80	7.348	7.331	7.360	VV	697	9888	0.25%	0.048%
81	7.374	7.360	7.424	VV	791	16340	0.41%	0.079%
82	7.437	7.424	7.476	VV	537	9214	0.23%	0.045%
83	7.489	7.476	7.520	VV	922	7460	0.19%	0.036%
84	7.545	7.520	7.570	VV	1205	15334	0.38%	0.075%
85	7.635	7.570	7.664	VV	395	16098	0.40%	0.078%
86	7.676	7.664	7.692	VV	320	3839	0.10%	0.019%
87	7.705	7.692	7.728	VV	344	6212	0.15%	0.030%
88	7.736	7.728	7.751	VV	298	3319	0.08%	0.016%
89	7.762	7.751	7.784	VV	265	3959	0.10%	0.019%

rteres

90	7.803	7.784	7.824	VV	404	5657	0.14%	0.028%
91	7.849	7.824	7.882	VV	1070	15799	0.39%	0.077%
92	7.906	7.882	7.928	VV	1590	19524	0.49%	0.095%
93	7.942	7.928	7.963	VV	330	5477	0.14%	0.027%
94	7.974	7.963	8.041	VV	321	11498	0.29%	0.056%
95	8.059	8.041	8.131	VV	591	15689	0.39%	0.076%
96	8.153	8.131	8.224	VV	3823	49231	1.22%	0.239%
97	8.263	8.224	8.286	VV	504	12318	0.31%	0.060%
98	8.301	8.286	8.328	VV	399	5246	0.13%	0.026%
99	8.346	8.328	8.365	VV	314	3653	0.09%	0.018%
100	8.387	8.365	8.398	VV	479	5877	0.15%	0.029%
101	8.411	8.398	8.430	VV	537	8178	0.20%	0.040%
102	8.456	8.430	8.554	VV	17103	245392	6.10%	1.193%
103	8.563	8.554	8.586	VV	651	11702	0.29%	0.057%
104	8.611	8.586	8.626	VV	760	14417	0.36%	0.070%
105	8.641	8.626	8.673	VV	706	16003	0.40%	0.078%
106	8.692	8.673	8.733	VV	929	22428	0.56%	0.109%
107	8.754	8.733	8.780	VV	1141	10043	0.25%	0.049%
108	8.806	8.780	8.821	VV	492	7935	0.20%	0.039%
109	8.830	8.821	8.845	VV	1030	6243	0.16%	0.030%
110	8.873	8.845	8.890	VV	1429	22116	0.55%	0.108%
111	8.909	8.890	8.961	VV	1310	41873	1.04%	0.204%
112	8.990	8.961	9.040	VV	2377	54825	1.36%	0.267%
113	9.060	9.040	9.083	VV	923	17457	0.43%	0.085%
114	9.107	9.083	9.134	VV	713	18139	0.45%	0.088%
115	9.150	9.134	9.174	VV	576	10152	0.25%	0.049%
116	9.220	9.174	9.238	VV	313	9719	0.24%	0.047%
117	9.273	9.238	9.317	VV	584	18083	0.45%	0.088%
118	9.339	9.317	9.371	VV	1077	16383	0.41%	0.080%
119	9.376	9.371	9.458	VV	365	11866	0.30%	0.058%
120	9.480	9.458	9.503	VV	520	9003	0.22%	0.044%
121	9.531	9.503	9.644	VV	868	27471	0.68%	0.134%
122	9.670	9.644	9.714	VV	479	10464	0.26%	0.051%
123	9.751	9.714	9.804	VV	1604	25415	0.63%	0.124%
124	9.840	9.804	9.865	VV	470	8321	0.21%	0.040%
125	9.901	9.865	9.911	VV	397	6310	0.16%	0.031%
126	9.919	9.911	9.978	VV	271	4637	0.12%	0.023%
127	10.003	9.978	10.014	PV	188	1681	0.04%	0.008%
128	10.030	10.014	10.043	VV	215	2688	0.07%	0.013%
129	10.072	10.043	10.107	VV	394	10742	0.27%	0.052%
130	10.142	10.107	10.159	VV	670	13093	0.33%	0.064%
131	10.179	10.159	10.200	VV	557	9656	0.24%	0.047%
132	10.231	10.200	10.250	VV	461	10931	0.27%	0.053%
133	10.265	10.250	10.273	VV	624	5405	0.13%	0.026%
134	10.295	10.273	10.321	VV	476	11891	0.30%	0.058%
135	10.350	10.321	10.362	VV	593	11363	0.28%	0.055%
136	10.435	10.362	10.476	VV	1833	76539	1.90%	0.372%
137	10.486	10.476	10.524	VV	1235	26845	0.67%	0.131%
138	10.550	10.524	10.589	VV	1427	29313	0.73%	0.143%
139	10.615	10.589	10.644	VV	1208	23523	0.58%	0.114%
140	10.663	10.644	10.674	VV	401	6398	0.16%	0.031%
141	10.706	10.674	10.731	VV	435	11117	0.28%	0.054%

rteres

142	10.763	10.731	10.787	VV	386	11056	0.27%	0.054%
143	10.807	10.787	10.838	VV	403	9645	0.24%	0.047%
144	10.857	10.838	10.890	VV	776	15991	0.40%	0.078%
145	10.911	10.890	10.968	VV	1717	19150	0.48%	0.093%
146	11.004	10.968	11.078	VV	466	12711	0.32%	0.062%
147	11.120	11.078	11.154	VV	1518	23899	0.59%	0.116%
148	11.189	11.154	11.217	VV	1993	28506	0.71%	0.139%
149	11.238	11.217	11.248	VV	191	3155	0.08%	0.015%
150	11.280	11.248	11.331	VV	399	9965	0.25%	0.048%
151	11.340	11.331	11.390	VV	117	2165	0.05%	0.011%
152	11.404	11.390	11.427	VV	189	2775	0.07%	0.013%
153	11.472	11.427	11.498	VV	572	11390	0.28%	0.055%
154	11.510	11.498	11.561	VV	497	9948	0.25%	0.048%
155	11.596	11.561	11.620	VV	1082	22204	0.55%	0.108%
156	11.641	11.620	11.691	VV	634	13531	0.34%	0.066%
157	11.708	11.691	11.724	VV	567	2327	0.06%	0.011%
158	11.756	11.724	11.771	VV	239	4724	0.12%	0.023%
159	11.785	11.771	11.804	VV	370	6021	0.15%	0.029%
160	11.849	11.804	11.884	VV	1111	30928	0.77%	0.150%
161	11.899	11.884	11.924	VV	479	6912	0.17%	0.034%
162	11.951	11.924	11.964	VV	266	4922	0.12%	0.024%
163	11.995	11.964	12.038	VV	522	15437	0.38%	0.075%
164	12.074	12.038	12.088	VV	731	15627	0.39%	0.076%
165	12.098	12.088	12.123	VV	688	11757	0.29%	0.057%
166	12.137	12.123	12.171	VV	1598	11817	0.29%	0.057%
167	12.183	12.171	12.204	VV	375	5655	0.14%	0.028%
168	12.229	12.204	12.237	VV	316	4939	0.12%	0.024%
169	12.245	12.237	12.253	VV	433	2759	0.07%	0.013%
170	12.266	12.253	12.284	VV	439	6466	0.16%	0.031%
171	12.358	12.284	12.391	VV	1509	38738	0.96%	0.188%
172	12.436	12.391	12.465	VV	1157	19155	0.48%	0.093%
173	12.495	12.465	12.518	VV	2252	32247	0.80%	0.157%
174	12.531	12.518	12.578	VV	1214	13334	0.33%	0.065%
175	12.615	12.578	12.698	VV	821	21615	0.54%	0.105%
176	12.714	12.698	12.727	VV	182	2056	0.05%	0.010%
177	12.774	12.727	12.795	VV	319	8314	0.21%	0.040%
178	12.817	12.795	12.838	VV	281	5334	0.13%	0.026%
179	12.850	12.838	12.894	VV	363	9549	0.24%	0.046%
180	12.941	12.894	13.081	VV	318861	4022257	100.00%	19.560%
181	13.114	13.081	13.207	VV	1858	52311	1.30%	0.254%
182	13.224	13.207	13.242	VV	342	5916	0.15%	0.029%
183	13.251	13.242	13.271	VV	304	4784	0.12%	0.023%
184	13.311	13.271	13.344	VV	1427	17383	0.43%	0.085%
185	13.391	13.344	13.476	VV	548	26311	0.65%	0.128%
186	13.501	13.476	13.525	VV	564	11716	0.29%	0.057%
187	13.556	13.525	13.585	VV	854	18195	0.45%	0.088%
188	13.639	13.585	13.664	VV	1111	22754	0.57%	0.111%
189	13.692	13.664	13.760	VV	2235	33767	0.84%	0.164%
190	13.782	13.760	13.816	VV	195	3495	0.09%	0.017%
191	13.826	13.816	13.846	VV	63	935	0.02%	0.005%
192	13.867	13.846	14.018	PV	563	22249	0.55%	0.108%
193	14.032	14.018	14.051	VV	360	5085	0.13%	0.025%
194	14.128	14.051	14.231	VV	1085	37202	0.92%	0.181%

rteres

195	14.252	14.231	14.298	VV	600	11104	0.28%	0.054%
196	14.411	14.298	14.491	VV	851	46645	1.16%	0.227%
197	14.586	14.491	14.661	VV	608	42675	1.06%	0.208%
198	14.750	14.661	14.771	VV	1012	31310	0.78%	0.152%
199	14.793	14.771	14.841	VV	2368	41734	1.04%	0.203%
200	14.847	14.841	14.864	VV	567	4354	0.11%	0.021%
201	14.884	14.864	14.941	VV	365	9928	0.25%	0.048%
202	15.012	14.941	15.054	VV	310	11294	0.28%	0.055%
203	15.148	15.128	15.162	VV	127	1963	0.05%	0.010%
204	15.210	15.162	15.248	VV	840	19070	0.47%	0.093%
205	15.313	15.248	15.398	VV	683	19035	0.47%	0.093%
206	15.494	15.398	15.531	PV	117	5789	0.14%	0.028%
207	15.594	15.531	15.651	VV	478	13019	0.32%	0.063%
208	15.665	15.651	15.740	VV	222	9983	0.25%	0.049%
209	15.772	15.740	15.791	PV	558	8190	0.20%	0.040%
210	15.813	15.791	15.892	VV	1813	29489	0.73%	0.143%
211	15.952	15.892	15.973	VV	628	12332	0.31%	0.060%
212	15.989	15.973	16.090	VV	537	12134	0.30%	0.059%
213	16.171	16.090	16.213	VV	194	7147	0.18%	0.035%
214	16.295	16.213	16.324	PV	1063	22982	0.57%	0.112%
215	16.339	16.324	16.391	VV	508	13038	0.32%	0.063%
216	16.421	16.391	16.561	VV	303	19094	0.47%	0.093%
217	16.584	16.561	16.610	VV	147	3630	0.09%	0.018%
218	16.655	16.610	16.681	VV	780	17322	0.43%	0.084%
219	16.761	16.681	16.854	VV	2153	58771	1.46%	0.286%
220	16.870	16.854	16.901	VV	192	3419	0.09%	0.017%
221	17.040	16.901	17.074	VV	534	23794	0.59%	0.116%
222	17.116	17.074	17.178	VV	411	17166	0.43%	0.083%
223	17.210	17.178	17.261	VV	2303	39862	0.99%	0.194%
224	17.307	17.261	17.348	VV	1097	29801	0.74%	0.145%
225	17.393	17.348	17.418	VV	910	29811	0.74%	0.145%
226	17.485	17.418	17.564	VV	1344	87279	2.17%	0.424%
227	17.647	17.564	17.680	VV	4088	117700	2.93%	0.572%
228	17.702	17.680	17.737	VV	1323	39991	0.99%	0.194%
229	17.778	17.737	17.848	VV	1157	65767	1.64%	0.320%
230	17.924	17.848	17.978	VV	1881	88970	2.21%	0.433%
231	18.068	17.978	18.128	VV	4276	137113	3.41%	0.667%
232	18.161	18.128	18.238	VV	1686	62841	1.56%	0.306%
233	18.258	18.238	18.274	VV	912	19574	0.49%	0.095%
234	18.329	18.274	18.361	VV	1497	63661	1.58%	0.310%
235	18.382	18.361	18.404	VV	1439	35231	0.88%	0.171%
236	18.479	18.404	18.558	VV	5135	201022	5.00%	0.978%
237	18.565	18.558	18.601	VV	1614	36765	0.91%	0.179%
238	18.634	18.601	18.684	VV	1838	79063	1.97%	0.384%
239	18.781	18.684	18.807	VV	2020	126484	3.14%	0.615%
240	18.874	18.807	18.944	VV	4330	203122	5.05%	0.988%
241	18.960	18.944	19.001	VV	2121	67789	1.69%	0.330%
242	19.045	19.001	19.093	VV	3348	130482	3.24%	0.635%
243	19.122	19.093	19.151	VV	2004	65536	1.63%	0.319%
244	19.260	19.151	19.337	VV	5186	316821	7.88%	1.541%
245	19.561	19.337	19.600	VV	5759	531091	13.20%	2.583%
246	19.634	19.600	19.671	VV	5515	195463	4.86%	0.951%

rteres

247	19.878	19.671	19.941	VV	5744	829028	20.61%	4.032%
248	19.998	19.941	20.020	VV	8078	306680	7.62%	1.491%
249	20.051	20.020	20.110	VV	13072	404394	10.05%	1.967%
250	20.287	20.110	20.304	VV	7692	808346	20.10%	3.931%
251	20.353	20.304	20.434	VV	8170	578581	14.38%	2.814%
252	20.523	20.434	20.654	VV	11366	1072913	26.67%	5.218%
253	20.722	20.654	20.761	VV	8630	502733	12.50%	2.445%
254	20.785	20.761	20.998	VV	8748	1075737	26.74%	5.231%
255	21.051	20.998	21.107	VV	10796	554999	13.80%	2.699%
256	21.133	21.107	21.171	VV	7806	291473	7.25%	1.417%
257	21.288	21.171	21.306	VV	8781	652921	16.23%	3.175%
258	21.318	21.306	21.464	VV	8693	749057	18.62%	3.643%
259	21.602	21.464	21.624	VV	8609	709767	17.65%	3.452%
260	21.670	21.624	21.762	VV	10507	679433	16.89%	3.304%
261	21.793	21.762	21.814	VV	6844	213447	5.31%	1.038%
262	21.884	21.814	21.904	VV	6870	366952	9.12%	1.785%
263	21.914	21.904	21.981	VV	7694	311060	7.73%	1.513%
264	22.027	21.981	22.101	VBA	6969	485572	12.07%	2.361%

Sum of corrected areas: 20563193

Aliphatic EPH 111424.M Tue Nov 19 10:54:35 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048774.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 07:59
Operator : YP/AJ
Sample : P4860-06
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PH2-BOT-009

Integration File: sample.E
Quant Time: Nov 19 10:59:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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...	7.363	7952476	45.169 ug/ml
Spiked Amount 50.000		Recovery =	90.34%
6) S 2-Flurobiphenyl (SURR)	8.213	5023359	43.617 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	87.23%
11) S ortho-Terphenyl (SURR)	11.250	5331881	27.722 ug/ml
Spiked Amount 50.000		Recovery =	55.44%
Target Compounds			

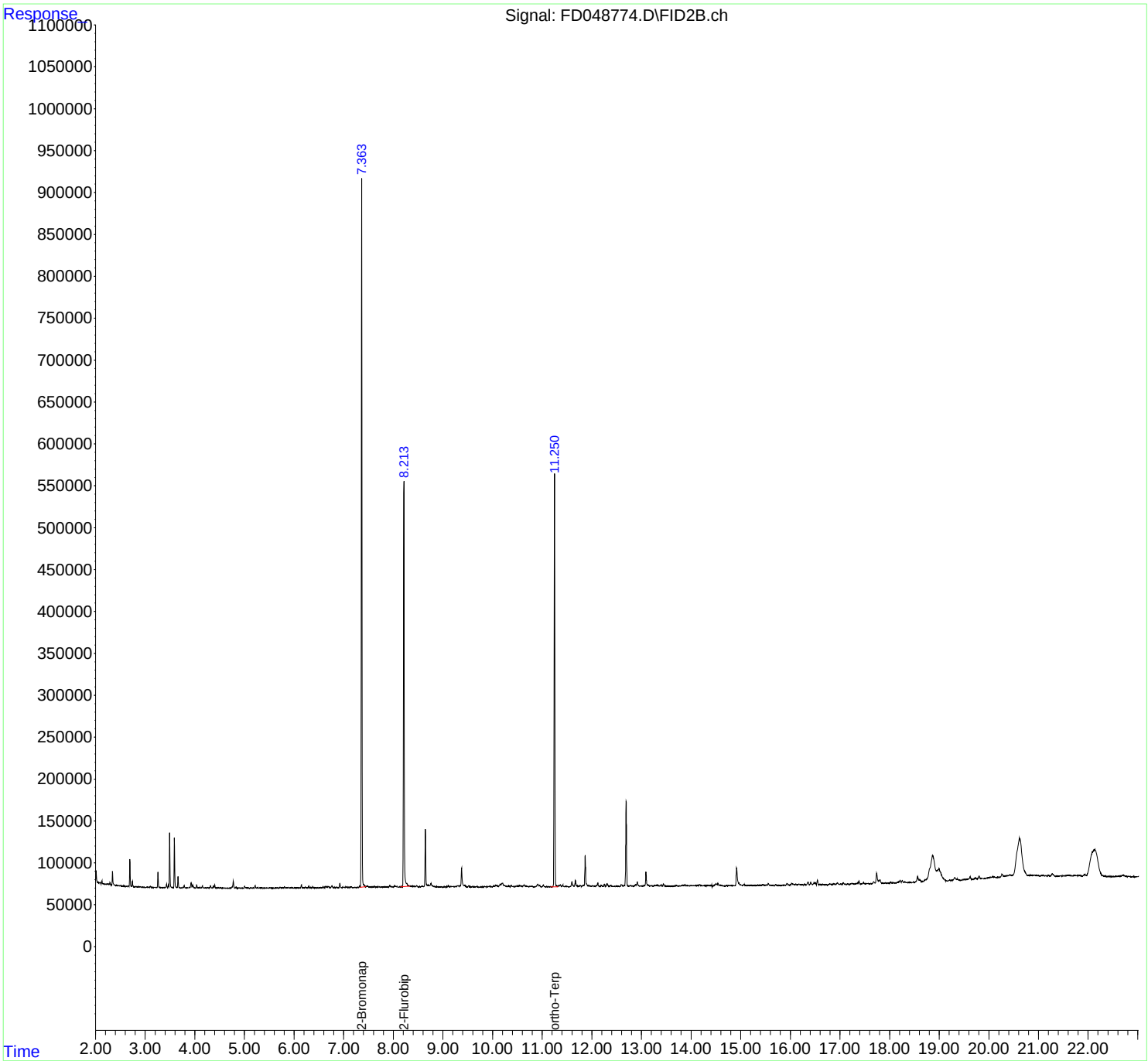
(f)=RT Delta > 1/2 Window (m)=manual int.

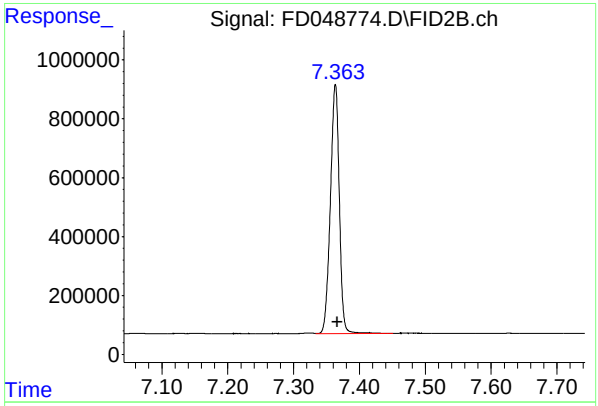
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048774.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 07:59
Operator : YP/AJ
Sample : P4860-06
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PH2-BOT-009

Integration File: sample.E
Quant Time: Nov 19 10:59:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

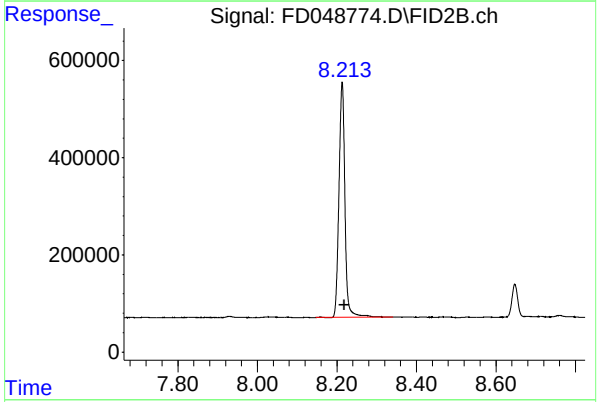




#4 2-Bromonaphthalene (SURR)

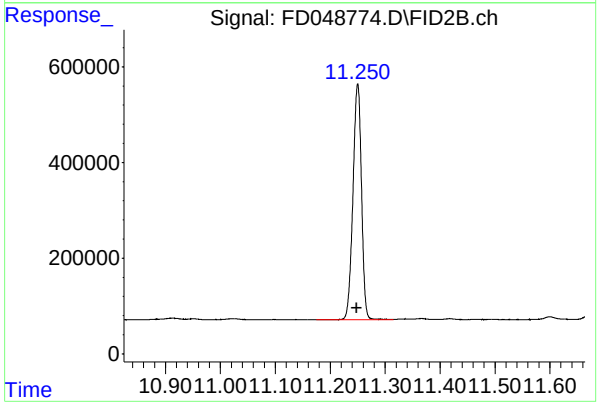
R.T.: 7.363 min
Delta R.T.: -0.003 min
Response: 7952476
Conc: 45.17 ug/ml

Instrument :
FID_D
ClientSampleId :
PH2-BOT-009



#6 2-Flurobiphenyl (SURR)

R.T.: 8.213 min
Delta R.T.: -0.005 min
Response: 5023359
Conc: 43.62 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.250 min
Delta R.T.: 0.001 min
Response: 5331881
Conc: 27.72 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048774.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 07:59
Sample : P4860-06
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.106	4.095	4.130	PV	394	2291	0.03%	0.007%
2	4.152	4.130	4.180	PV	2757	26886	0.33%	0.087%
3	4.184	4.180	4.222	VV	250	2187	0.03%	0.007%
4	4.228	4.222	4.237	VV	223	1329	0.02%	0.004%
5	4.265	4.237	4.287	VV	838	10419	0.13%	0.034%
6	4.317	4.287	4.338	VV	2914	33278	0.41%	0.108%
7	4.350	4.338	4.355	VV	338	2630	0.03%	0.008%
8	4.373	4.355	4.386	VV	2719	25797	0.32%	0.083%
9	4.401	4.386	4.428	VV	4201	39883	0.50%	0.129%
10	4.433	4.428	4.443	VV	345	2316	0.03%	0.007%
11	4.472	4.449	4.496	VV	772	10666	0.13%	0.034%
12	4.516	4.496	4.537	VV	784	10555	0.13%	0.034%
13	4.544	4.537	4.557	VV	487	3160	0.04%	0.010%
14	4.587	4.557	4.614	VV	761	10657	0.13%	0.034%
15	4.618	4.614	4.632	PV	216	1009	0.01%	0.003%
16	4.638	4.632	4.645	VV	288	1628	0.02%	0.005%
17	4.647	4.645	4.659	VV	238	1247	0.02%	0.004%
18	4.698	4.680	4.730	PV	664	10613	0.13%	0.034%
19	4.752	4.730	4.759	VV	1932	18896	0.24%	0.061%
20	4.775	4.759	4.808	VV	8846	101211	1.26%	0.327%
21	4.831	4.808	4.869	VV	1875	22882	0.28%	0.074%
22	4.882	4.869	4.888	VV	355	3202	0.04%	0.010%
23	4.898	4.888	4.913	VV	412	4729	0.06%	0.015%
24	4.921	4.913	4.935	VV	357	2702	0.03%	0.009%
25	4.941	4.935	4.947	VV	340	1648	0.02%	0.005%
26	4.964	4.947	4.976	VV	739	7659	0.10%	0.025%
27	4.982	4.976	4.986	VV	271	1409	0.02%	0.005%
28	5.003	4.986	5.038	VV	2582	34045	0.42%	0.110%
29	5.044	5.038	5.048	VV	384	2018	0.03%	0.007%
30	5.063	5.048	5.076	VV	641	6334	0.08%	0.020%
31	5.080	5.076	5.102	VV	416	4422	0.06%	0.014%
32	5.107	5.102	5.111	VV	289	1150	0.01%	0.004%
33	5.124	5.111	5.129	VV	386	2931	0.04%	0.009%
34	5.136	5.129	5.158	VV	467	5135	0.06%	0.017%
35	5.175	5.158	5.196	VV	1124	13099	0.16%	0.042%
36	5.216	5.196	5.235	VV	3333	34377	0.43%	0.111%

rteres

37	5.241	5.235	5.253	VV	429	3783	0.05%	0.012%
38	5.272	5.253	5.290	VV	1043	11664	0.15%	0.038%
39	5.296	5.290	5.299	VV	209	1061	0.01%	0.003%
40	5.310	5.299	5.325	VV	406	4557	0.06%	0.015%
41	5.330	5.325	5.335	VV	365	2108	0.03%	0.007%
42	5.346	5.335	5.350	VV	467	3558	0.04%	0.011%
43	5.355	5.350	5.400	VV	561	9767	0.12%	0.032%
44	5.420	5.400	5.448	VV	558	9973	0.12%	0.032%
45	5.467	5.448	5.488	VV	593	8215	0.10%	0.027%
46	5.505	5.488	5.516	VV	605	5691	0.07%	0.018%
47	5.531	5.516	5.554	VV	611	7940	0.10%	0.026%
48	5.560	5.554	5.570	VV	286	1312	0.02%	0.004%
49	5.597	5.582	5.605	VV	374	2478	0.03%	0.008%
50	5.640	5.605	5.646	VV	416	7192	0.09%	0.023%
51	5.656	5.646	5.667	VV	481	3917	0.05%	0.013%
52	5.669	5.667	5.682	VV	311	1886	0.02%	0.006%
53	5.695	5.682	5.701	VV	406	2641	0.03%	0.009%
54	5.718	5.701	5.755	VV	1243	19374	0.24%	0.063%
55	5.770	5.755	5.789	VV	785	9512	0.12%	0.031%
56	5.808	5.789	5.838	VV	1928	24959	0.31%	0.081%
57	5.843	5.838	5.848	VV	355	1384	0.02%	0.004%
58	5.881	5.848	5.913	VV	976	18261	0.23%	0.059%
59	5.944	5.913	5.973	VV	830	17645	0.22%	0.057%
60	5.982	5.973	5.986	VV	323	2006	0.02%	0.006%
61	6.007	5.986	6.018	VV	546	7329	0.09%	0.024%
62	6.023	6.018	6.035	VV	402	2671	0.03%	0.009%
63	6.043	6.035	6.075	VV	419	6894	0.09%	0.022%
64	6.080	6.075	6.093	VV	259	1907	0.02%	0.006%
65	6.111	6.103	6.117	VV	298	1465	0.02%	0.005%
66	6.124	6.117	6.130	VV	205	1004	0.01%	0.003%
67	6.148	6.130	6.173	VV	4100	41569	0.52%	0.134%
68	6.184	6.173	6.208	VV	486	6616	0.08%	0.021%
69	6.228	6.208	6.248	VV	1322	15096	0.19%	0.049%
70	6.266	6.248	6.278	VV	910	10336	0.13%	0.033%
71	6.295	6.278	6.314	VV	2661	28828	0.36%	0.093%
72	6.327	6.314	6.348	VV	944	10627	0.13%	0.034%
73	6.366	6.348	6.388	VV	1430	16766	0.21%	0.054%
74	6.394	6.388	6.402	VV	379	2387	0.03%	0.008%
75	6.406	6.402	6.431	VV	469	4437	0.06%	0.014%
76	6.443	6.438	6.453	VV	297	1871	0.02%	0.006%
77	6.467	6.453	6.498	VV	684	10257	0.13%	0.033%
78	6.518	6.498	6.536	VV	637	10076	0.13%	0.033%
79	6.543	6.536	6.552	VV	483	3769	0.05%	0.012%
80	6.561	6.552	6.565	VV	438	3135	0.04%	0.010%
81	6.585	6.565	6.610	VV	1697	23498	0.29%	0.076%
82	6.639	6.610	6.673	VV	2353	45345	0.56%	0.147%
83	6.686	6.673	6.695	VV	1869	20095	0.25%	0.065%
84	6.700	6.695	6.735	VV	1690	22281	0.28%	0.072%
85	6.763	6.735	6.798	VV	2867	48295	0.60%	0.156%
86	6.802	6.798	6.818	VV	593	6368	0.08%	0.021%
87	6.867	6.818	6.898	VV	830	26521	0.33%	0.086%
88	6.923	6.898	6.955	VV	5551	66851	0.83%	0.216%
89	6.958	6.955	6.965	VV	420	2385	0.03%	0.008%

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90	6.984	6.965	7.014	VV	1060	20148	0.25%	0.065%
91	7.030	7.014	7.045	VV	1163	14305	0.18%	0.046%
92	7.063	7.045	7.082	VV	1539	22677	0.28%	0.073%
93	7.099	7.082	7.110	VV	758	8644	0.11%	0.028%
94	7.124	7.110	7.140	VV	1264	16673	0.21%	0.054%
95	7.156	7.140	7.182	VV	1609	23007	0.29%	0.074%
96	7.190	7.182	7.194	VV	452	3157	0.04%	0.010%
97	7.213	7.194	7.222	VV	927	11141	0.14%	0.036%
98	7.225	7.222	7.258	VV	718	10249	0.13%	0.033%
99	7.273	7.258	7.290	VV	852	12076	0.15%	0.039%
100	7.323	7.290	7.337	VV	2769	37891	0.47%	0.122%
101	7.364	7.337	7.451	VV	847488	8030151	100.00%	25.950%
102	7.470	7.451	7.477	VV	1997	27957	0.35%	0.090%
103	7.479	7.477	7.531	VV	2002	47981	0.60%	0.155%
104	7.536	7.531	7.567	VV	1166	21272	0.26%	0.069%
105	7.583	7.567	7.608	VV	1329	28393	0.35%	0.092%
106	7.627	7.608	7.648	VV	1978	32514	0.40%	0.105%
107	7.657	7.648	7.668	VV	1102	11495	0.14%	0.037%
108	7.682	7.668	7.703	VV	1275	22964	0.29%	0.074%
109	7.717	7.703	7.747	VV	1402	27590	0.34%	0.089%
110	7.762	7.747	7.782	VV	1054	19904	0.25%	0.064%
111	7.787	7.782	7.804	VV	1038	11791	0.15%	0.038%
112	7.836	7.804	7.855	VV	1488	35062	0.44%	0.113%
113	7.859	7.855	7.863	VV	1010	4649	0.06%	0.015%
114	7.870	7.863	7.911	VV	1185	30276	0.38%	0.098%
115	7.930	7.911	7.965	VV	3371	59371	0.74%	0.192%
116	7.969	7.965	7.999	VV	1213	20574	0.26%	0.066%
117	8.025	7.999	8.067	VV	2261	64745	0.81%	0.209%
118	8.075	8.067	8.103	VV	1732	23889	0.30%	0.077%
119	8.125	8.103	8.143	VV	1324	21571	0.27%	0.070%
120	8.159	8.143	8.179	VV	1732	24750	0.31%	0.080%
121	8.213	8.179	8.265	VV	485498	5045323	62.83%	16.304%
122	8.273	8.265	8.364	VV	5202	159460	1.99%	0.515%
123	8.384	8.364	8.403	VV	2058	39941	0.50%	0.129%
124	8.414	8.403	8.418	VV	1827	15355	0.19%	0.050%
125	8.422	8.418	8.447	VV	1782	27561	0.34%	0.089%
126	8.467	8.447	8.508	VV	2202	56757	0.71%	0.183%
127	8.529	8.508	8.543	VV	1724	27391	0.34%	0.089%
128	8.549	8.543	8.556	VV	1254	9976	0.12%	0.032%
129	8.579	8.556	8.596	VV	1819	36491	0.45%	0.118%
130	8.600	8.596	8.605	VV	1416	7521	0.09%	0.024%
131	8.647	8.605	8.672	VV	69830	740272	9.22%	2.392%
132	8.682	8.672	8.695	VV	3202	40879	0.51%	0.132%
133	8.714	8.695	8.731	VV	3143	57826	0.72%	0.187%
134	8.759	8.731	8.783	VV	5256	102568	1.28%	0.331%
135	8.790	8.783	8.817	VV	2477	39416	0.49%	0.127%
136	8.831	8.817	8.859	VV	1974	31625	0.39%	0.102%
137	8.879	8.859	8.904	VV	1453	27642	0.34%	0.089%
138	8.915	8.904	8.923	VV	952	8487	0.11%	0.027%
139	8.931	8.923	8.951	VV	910	13797	0.17%	0.045%
140	8.961	8.951	9.005	VV	1148	25800	0.32%	0.083%
141	9.026	9.005	9.037	VV	1165	16028	0.20%	0.052%

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142	9.047	9.037	9.087	VV	1162	27221	0.34%	0.088%
143	9.106	9.087	9.144	VV	2478	49749	0.62%	0.161%
144	9.180	9.144	9.197	VV	1384	36821	0.46%	0.119%
145	9.201	9.197	9.231	VV	1261	22470	0.28%	0.073%
146	9.248	9.231	9.266	VV	1303	23376	0.29%	0.076%
147	9.296	9.266	9.307	VV	2110	42397	0.53%	0.137%
148	9.312	9.307	9.328	VV	2043	25550	0.32%	0.083%
149	9.346	9.328	9.354	VV	2568	34957	0.44%	0.113%
150	9.377	9.354	9.429	VV	23020	349441	4.35%	1.129%
151	9.443	9.429	9.490	VV	3074	54491	0.68%	0.176%
152	9.519	9.490	9.550	VV	2249	42183	0.53%	0.136%
153	9.554	9.550	9.568	VV	800	7387	0.09%	0.024%
154	9.598	9.568	9.637	VV	1135	34135	0.43%	0.110%
155	9.671	9.637	9.684	VV	1128	25094	0.31%	0.081%
156	9.688	9.684	9.710	VV	929	11746	0.15%	0.038%
157	9.713	9.710	9.719	VV	496	2402	0.03%	0.008%
158	9.729	9.719	9.735	VV	564	4461	0.06%	0.014%
159	9.739	9.735	9.747	VV	592	3363	0.04%	0.011%
160	9.772	9.747	9.778	VV	775	11521	0.14%	0.037%
161	9.793	9.778	9.814	VV	905	13907	0.17%	0.045%
162	9.833	9.814	9.855	VV	1281	21805	0.27%	0.070%
163	9.864	9.855	9.871	VV	847	7776	0.10%	0.025%
164	9.877	9.871	9.880	VV	886	4050	0.05%	0.013%
165	9.888	9.880	9.895	VV	841	7443	0.09%	0.024%
166	9.911	9.895	9.928	VV	1227	20700	0.26%	0.067%
167	9.942	9.928	9.982	VV	1210	30499	0.38%	0.099%
168	9.997	9.982	10.002	VV	955	10735	0.13%	0.035%
169	10.021	10.002	10.034	VV	1966	26067	0.32%	0.084%
170	10.057	10.034	10.107	VV	2646	91793	1.14%	0.297%
171	10.115	10.107	10.124	VV	1663	15077	0.19%	0.049%
172	10.157	10.124	10.163	VV	3642	62768	0.78%	0.203%
173	10.198	10.163	10.288	VV	5217	215785	2.69%	0.697%
174	10.309	10.288	10.323	VV	1684	28670	0.36%	0.093%
175	10.327	10.323	10.356	VV	1667	25138	0.31%	0.081%
176	10.378	10.356	10.412	VV	2593	51161	0.64%	0.165%
177	10.423	10.412	10.446	VV	1121	18717	0.23%	0.060%
178	10.476	10.446	10.487	VV	1563	31393	0.39%	0.101%
179	10.497	10.487	10.516	VV	1729	26442	0.33%	0.085%
180	10.539	10.516	10.575	VV	2191	60091	0.75%	0.194%
181	10.578	10.575	10.600	VV	1536	18171	0.23%	0.059%
182	10.633	10.600	10.660	VV	2696	67212	0.84%	0.217%
183	10.673	10.660	10.700	VV	1824	31741	0.40%	0.103%
184	10.704	10.700	10.726	VV	948	11008	0.14%	0.036%
185	10.744	10.726	10.767	VV	1065	21128	0.26%	0.068%
186	10.793	10.767	10.827	VV	1394	36721	0.46%	0.119%
187	10.832	10.827	10.836	VV	444	2402	0.03%	0.008%
188	10.913	10.836	10.938	VV	3852	101110	1.26%	0.327%
189	10.952	10.938	10.978	VV	2607	35136	0.44%	0.114%
190	10.984	10.978	10.990	VV	708	3916	0.05%	0.013%
191	10.994	10.990	10.998	VV	803	3362	0.04%	0.011%
192	11.022	10.998	11.060	VV	2679	52796	0.66%	0.171%
193	11.067	11.060	11.072	VV	517	3664	0.05%	0.012%
194	11.097	11.072	11.125	VV	885	15833	0.20%	0.051%

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195	11.138	11.125	11.153	VV	743	8392	0.10%	0.027%
196	11.174	11.153	11.187	VV	625	9085	0.11%	0.029%
197	11.193	11.187	11.199	VV	539	2927	0.04%	0.009%
198	11.250	11.199	11.315	VV	493895	5364929	66.81%	17.337%
199	11.336	11.315	11.346	VV	2062	31442	0.39%	0.102%
200	11.366	11.346	11.390	VV	2913	50773	0.63%	0.164%
201	11.417	11.390	11.443	VV	2768	44952	0.56%	0.145%
202	11.463	11.443	11.481	VV	1105	19457	0.24%	0.063%
203	11.495	11.481	11.510	VV	1059	14613	0.18%	0.047%
204	11.516	11.510	11.532	VV	751	8553	0.11%	0.028%
205	11.535	11.532	11.556	VV	665	8880	0.11%	0.029%
206	11.601	11.556	11.647	VV	6512	129242	1.61%	0.418%
207	11.670	11.647	11.697	VV	8396	116936	1.46%	0.378%
208	11.701	11.697	11.730	VV	1843	26723	0.33%	0.086%
209	11.772	11.730	11.795	VV	1685	49944	0.62%	0.161%
210	11.831	11.795	11.844	VV	2335	49478	0.62%	0.160%
211	11.867	11.844	11.938	VV	38200	522355	6.50%	1.688%
212	11.946	11.938	11.985	VV	1736	40015	0.50%	0.129%
213	11.989	11.985	12.001	VV	1144	9408	0.12%	0.030%
214	12.025	12.001	12.028	VV	1529	21119	0.26%	0.068%
215	12.032	12.028	12.056	VV	1564	19822	0.25%	0.064%
216	12.093	12.056	12.102	VV	1631	35196	0.44%	0.114%
217	12.121	12.102	12.157	VV	4841	76703	0.96%	0.248%
218	12.194	12.157	12.227	VV	2410	50104	0.62%	0.162%
219	12.253	12.227	12.277	VV	3439	54331	0.68%	0.176%
220	12.306	12.277	12.355	VV	3653	92218	1.15%	0.298%
221	12.385	12.355	12.412	VV	2386	46468	0.58%	0.150%
222	12.420	12.412	12.438	VV	639	8449	0.11%	0.027%
223	12.477	12.438	12.492	VV	982	24142	0.30%	0.078%
224	12.503	12.492	12.560	VV	1157	36245	0.45%	0.117%
225	12.593	12.560	12.631	VV	2668	68754	0.86%	0.222%
226	12.654	12.631	12.665	VV	1993	31546	0.39%	0.102%
227	12.692	12.665	12.727	VV	102123	1171427	14.59%	3.786%
228	12.731	12.727	12.735	VV	1310	6107	0.08%	0.020%
229	12.739	12.735	12.745	VV	1316	7518	0.09%	0.024%
230	12.777	12.745	12.802	VV	1801	47037	0.59%	0.152%
231	12.807	12.802	12.814	VV	1108	7755	0.10%	0.025%
232	12.820	12.814	12.841	VV	1063	16085	0.20%	0.052%
233	12.882	12.841	12.898	VV	2786	62326	0.78%	0.201%
234	12.915	12.898	12.959	VV	6029	106271	1.32%	0.343%
235	12.970	12.959	12.978	VV	1244	13970	0.17%	0.045%
236	12.983	12.978	12.987	VV	1281	6355	0.08%	0.021%
237	12.990	12.987	13.000	VV	1282	8790	0.11%	0.028%
238	13.006	13.000	13.027	VV	1168	17871	0.22%	0.058%
239	13.090	13.027	13.133	VV	18147	291609	3.63%	0.942%
240	13.143	13.133	13.170	VV	2102	36217	0.45%	0.117%
241	13.173	13.170	13.187	VV	1243	11704	0.15%	0.038%
242	13.197	13.187	13.203	VV	1234	11999	0.15%	0.039%
243	13.208	13.203	13.225	VV	1370	14923	0.19%	0.048%
244	13.231	13.225	13.249	VV	1176	15623	0.19%	0.050%
245	13.269	13.249	13.285	VV	1867	33011	0.41%	0.107%
246	13.290	13.285	13.298	VV	1471	10847	0.14%	0.035%

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247	13.320	13.298	13.343	VV	2408	46907	0.58%	0.152%
248	13.349	13.343	13.370	VV	1540	20908	0.26%	0.068%
249	13.393	13.370	13.420	VV	2389	47872	0.60%	0.155%
250	13.446	13.420	13.482	VV	3585	67157	0.84%	0.217%
251	13.487	13.482	13.490	VV	977	4649	0.06%	0.015%
252	13.497	13.490	13.522	VV	1029	17309	0.22%	0.056%
253	13.543	13.522	13.570	VV	1045	26347	0.33%	0.085%
254	13.592	13.570	13.625	VV	963	24997	0.31%	0.081%
255	13.671	13.625	13.683	VV	1122	30887	0.38%	0.100%
256	13.707	13.683	13.737	VV	1339	37263	0.46%	0.120%
257	13.740	13.737	13.762	VV	1099	14387	0.18%	0.046%
258	13.802	13.762	13.813	VV	1263	33105	0.41%	0.107%
259	13.833	13.813	13.857	VV	2038	42954	0.53%	0.139%
260	13.877	13.857	13.920	VV	2334	60102	0.75%	0.194%
261	13.931	13.920	13.977	VV	1232	37539	0.47%	0.121%
262	14.002	13.977	14.025	VV	1667	36813	0.46%	0.119%
263	14.034	14.025	14.042	VV	1176	11074	0.14%	0.036%
264	14.073	14.042	14.077	VV	1422	24404	0.30%	0.079%
265	14.084	14.077	14.112	VV	1415	26400	0.33%	0.085%
266	14.115	14.112	14.124	VV	1167	8520	0.11%	0.028%
267	14.174	14.124	14.199	VV	2404	72277	0.90%	0.234%
268	14.212	14.199	14.237	VV	1571	29773	0.37%	0.096%
269	14.250	14.237	14.273	VV	1239	23323	0.29%	0.075%
270	14.292	14.273	14.298	VV	1213	16552	0.21%	0.053%
271	14.317	14.298	14.340	VV	1536	33921	0.42%	0.110%
272	14.350	14.340	14.372	VV	1474	24753	0.31%	0.080%
273	14.387	14.372	14.399	VV	1386	21563	0.27%	0.070%
274	14.404	14.399	14.420	VV	1216	12063	0.15%	0.039%
275	14.426	14.420	14.432	PV	766	3130	0.04%	0.010%
276	14.446	14.432	14.455	VV	935	10182	0.13%	0.033%
277	14.501	14.455	14.525	VV	3468	94318	1.17%	0.305%
278	14.541	14.525	14.566	VV	3662	63246	0.79%	0.204%
279	14.582	14.566	14.611	VV	1986	38651	0.48%	0.125%
280	14.624	14.611	14.657	VV	1098	23195	0.29%	0.075%
281	14.661	14.657	14.694	VV	804	14593	0.18%	0.047%
282	14.718	14.694	14.725	VV	1005	14826	0.18%	0.048%
283	14.734	14.725	14.755	VV	859	14657	0.18%	0.047%
284	14.776	14.755	14.785	VV	943	15350	0.19%	0.050%
285	14.791	14.785	14.800	VV	800	6613	0.08%	0.021%
286	14.805	14.800	14.860	VV	848	24057	0.30%	0.078%
287	14.865	14.860	14.876	VV	665	5630	0.07%	0.018%
288	14.916	14.876	15.042	VV	21811	481699	6.00%	1.557%
289	15.068	15.042	15.098	VV	2213	45506	0.57%	0.147%
290	15.109	15.098	15.126	VV	883	11786	0.15%	0.038%
291	15.155	15.126	15.163	VV	852	16511	0.21%	0.053%
292	15.170	15.163	15.175	VV	752	4819	0.06%	0.016%
293	15.189	15.175	15.194	VV	998	9793	0.12%	0.032%
294	15.198	15.194	15.212	VV	859	8640	0.11%	0.028%
295	15.244	15.212	15.257	VV	944	20845	0.26%	0.067%
296	15.263	15.257	15.291	VV	828	14273	0.18%	0.046%
297	15.299	15.291	15.307	VV	748	6109	0.08%	0.020%
298	15.330	15.307	15.338	VV	825	13811	0.17%	0.045%
299	15.369	15.338	15.392	VV	1128	29913	0.37%	0.097%

rteres

300	15.409	15.392	15.414	VV	984	11980	0.15%	0.039%
301	15.450	15.414	15.476	VV	1249	37247	0.46%	0.120%
302	15.485	15.476	15.491	VV	780	6088	0.08%	0.020%
303	15.517	15.491	15.533	VV	1313	22716	0.28%	0.073%
304	15.556	15.533	15.586	VV	2540	46922	0.58%	0.152%
305	15.604	15.586	15.640	VV	879	19129	0.24%	0.062%
306	15.645	15.640	15.660	VV	381	2611	0.03%	0.008%
307	15.667	15.660	15.677	VV	448	2274	0.03%	0.007%
308	15.708	15.677	15.736	VV	1273	24617	0.31%	0.080%
309	15.762	15.736	15.785	VV	540	10440	0.13%	0.034%
310	15.800	15.785	15.815	VV	373	5004	0.06%	0.016%
311	15.866	15.815	15.882	VV	591	14437	0.18%	0.047%
312	15.884	15.882	15.900	VV	443	3321	0.04%	0.011%
313	15.931	15.900	15.975	VV	2445	60143	0.75%	0.194%
314	15.987	15.975	15.991	VV	785	7109	0.09%	0.023%
315	15.997	15.991	16.001	VV	902	4940	0.06%	0.016%
316	16.025	16.001	16.084	VV	2787	86619	1.08%	0.280%
317	16.111	16.084	16.138	VV	1785	35019	0.44%	0.113%
318	16.171	16.138	16.215	VV	1890	51164	0.64%	0.165%
319	16.217	16.215	16.234	VV	906	8078	0.10%	0.026%
320	16.238	16.234	16.272	VV	707	13643	0.17%	0.044%
321	16.295	16.272	16.320	VV	1304	23348	0.29%	0.075%
322	16.354	16.320	16.383	VV	4240	74336	0.93%	0.240%
323	16.411	16.383	16.452	VV	3162	66086	0.82%	0.214%
324	16.476	16.452	16.488	VV	3181	47734	0.59%	0.154%
325	16.503	16.488	16.523	VV	2786	43550	0.54%	0.141%
326	16.545	16.523	16.615	VV	6331	106272	1.32%	0.343%
327	16.639	16.615	16.657	VV	783	16525	0.21%	0.053%
328	16.663	16.657	16.690	VV	585	9586	0.12%	0.031%
329	16.699	16.690	16.747	VV	479	9198	0.11%	0.030%
330	16.797	16.758	16.838	PV	1098	31394	0.39%	0.101%
331	16.842	16.838	16.852	VV	584	3239	0.04%	0.010%
332	16.871	16.852	16.900	VV	1343	26878	0.33%	0.087%
333	16.908	16.900	16.918	VV	883	8122	0.10%	0.026%
334	16.947	16.918	16.990	VV	2365	50633	0.63%	0.164%
335	17.004	16.990	17.041	VV	616	14625	0.18%	0.047%
336	17.064	17.041	17.109	VV	2157	41523	0.52%	0.134%
337	17.124	17.109	17.133	VV	426	4736	0.06%	0.015%
338	17.142	17.133	17.146	VV	445	3014	0.04%	0.010%
339	17.154	17.146	17.173	VV	616	8051	0.10%	0.026%
340	17.179	17.173	17.183	VV	589	2878	0.04%	0.009%
341	17.193	17.183	17.212	VV	506	5521	0.07%	0.018%
342	17.242	17.212	17.270	VV	1594	29191	0.36%	0.094%
343	17.276	17.270	17.281	VV	549	3300	0.04%	0.011%
344	17.286	17.281	17.297	VV	509	4363	0.05%	0.014%
345	17.356	17.297	17.368	VV	1711	43250	0.54%	0.140%
346	17.385	17.368	17.421	VV	3546	50251	0.63%	0.162%
347	17.427	17.421	17.445	VV	620	6044	0.08%	0.020%
348	17.471	17.445	17.512	VV	2088	40649	0.51%	0.131%
349	17.533	17.512	17.543	VV	718	10114	0.13%	0.033%
350	17.548	17.543	17.552	VV	623	3071	0.04%	0.010%
351	17.562	17.552	17.570	VV	556	4915	0.06%	0.016%

rteres

352	17.574	17.570	17.633	VV	652	9496	0.12%	0.031%
353	17.679	17.633	17.708	PV	2582	53204	0.66%	0.172%
354	17.738	17.708	17.778	VV	12732	249854	3.11%	0.807%
355	17.784	17.778	17.788	VV	3383	19127	0.24%	0.062%
356	17.808	17.788	17.838	VV	4655	89225	1.11%	0.288%
357	17.843	17.838	17.863	VV	924	10990	0.14%	0.036%
358	17.867	17.863	17.875	VV	671	3819	0.05%	0.012%
359	17.878	17.875	17.884	VV	541	2569	0.03%	0.008%
360	17.897	17.884	17.906	VV	621	6422	0.08%	0.021%
361	17.911	17.906	17.920	VV	602	4184	0.05%	0.014%
362	17.923	17.920	17.928	VV	441	2110	0.03%	0.007%
363	17.930	17.928	17.943	VV	493	3151	0.04%	0.010%
364	17.949	17.943	17.977	VV	412	5655	0.07%	0.018%
365	17.994	17.977	17.999	VV	287	2823	0.04%	0.009%
366	18.022	17.999	18.056	VV	1202	24987	0.31%	0.081%
367	18.081	18.056	18.101	VV	723	13526	0.17%	0.044%
368	18.105	18.101	18.118	VV	282	2078	0.03%	0.007%
369	18.164	18.129	18.170	PV	285	4706	0.06%	0.015%

Sum of corrected areas: 30944378

Aromatic EPH 111424.M Tue Nov 19 11:06:15 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014864.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 11:19
Operator : YP\AJ
Sample : P4860-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PH2-BOT-008

Integration File: autoint1.e
Quant Time: Nov 20 00:35:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 16:33:02 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...	13.386	4521780	40.690 ug/ml
Spiked Amount 50.000		Recovery = 81.38%	
Target Compounds			

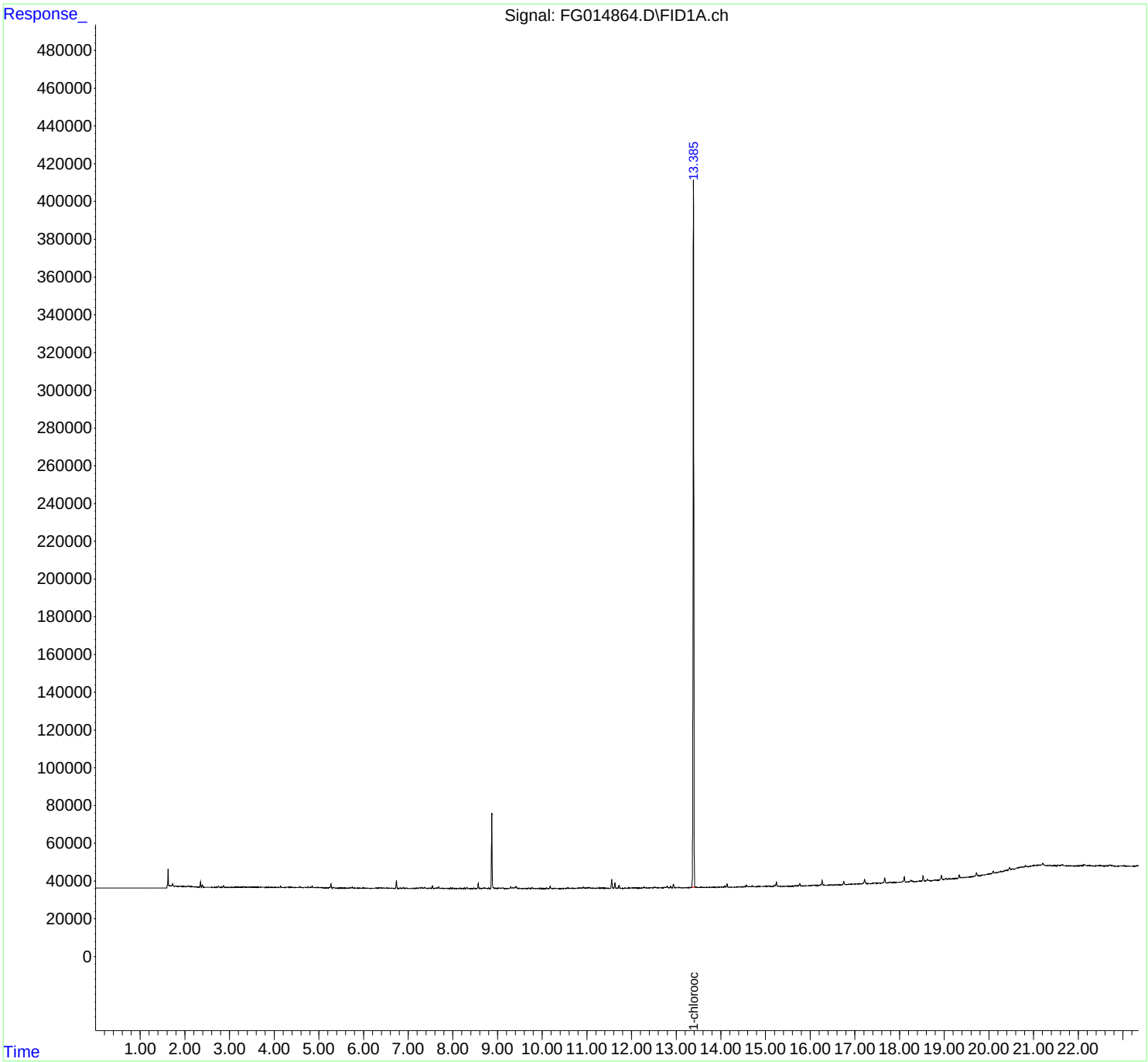
(f)=RT Delta > 1/2 Window (m)=manual int.

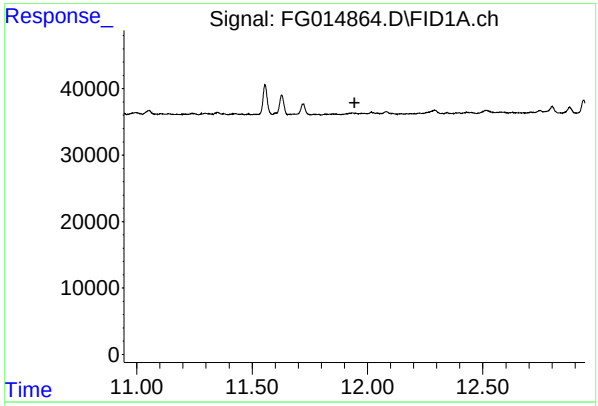
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014864.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 11:19
Operator : YP\AJ
Sample : P4860-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PH2-BOT-008

Integration File: autoint1.e
Quant Time: Nov 20 00:35:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 16:33:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

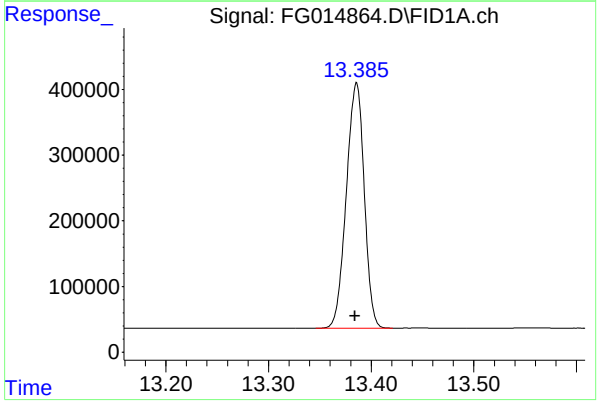




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.944 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
PH2-BOT-008



#12 1-chlorooctadecane (SURR)

R.T.: 13.386 min
Delta R.T.: 0.001 min
Response: 4521780
Conc: 40.69 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014864.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 11:19
Sample : P4860-07
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.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	6.737	6.714	6.761	BB	4140	42066	0.93%	0.837%
2	8.872	8.838	8.912	BB	39875	406458	8.99%	8.088%
3	11.556	11.530	11.590	BB	4512	55291	1.22%	1.100%
4	13.386	13.346	13.421	BB	374823	4521780	100.00%	89.975%
			Sum of corrected areas:			5025595		

Aliphatic EPH 111424.M Wed Nov 20 01:23:10 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111924AR\
Data File : FF015095.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 11:19
Operator : YP\AJ
Sample : P4860-07
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PH2-BOT-008

Integration File: autoint1.e
Quant Time: Nov 20 01:47:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 111524.M
Quant Title : GC Extractables
QLast Update : Fri Nov 15 02:02:38 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...	7.987	6201091	50.780 ug/ml
Spiked Amount 50.000		Recovery = 101.56%	
6) S 2-Flurobiphenyl (SURR)	8.861	3699822	45.318 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 90.64%	
11) S ortho-Terphenyl (SURR)	11.922	5342931	39.829 ug/ml
Spiked Amount 50.000		Recovery = 79.66%	
Target Compounds			

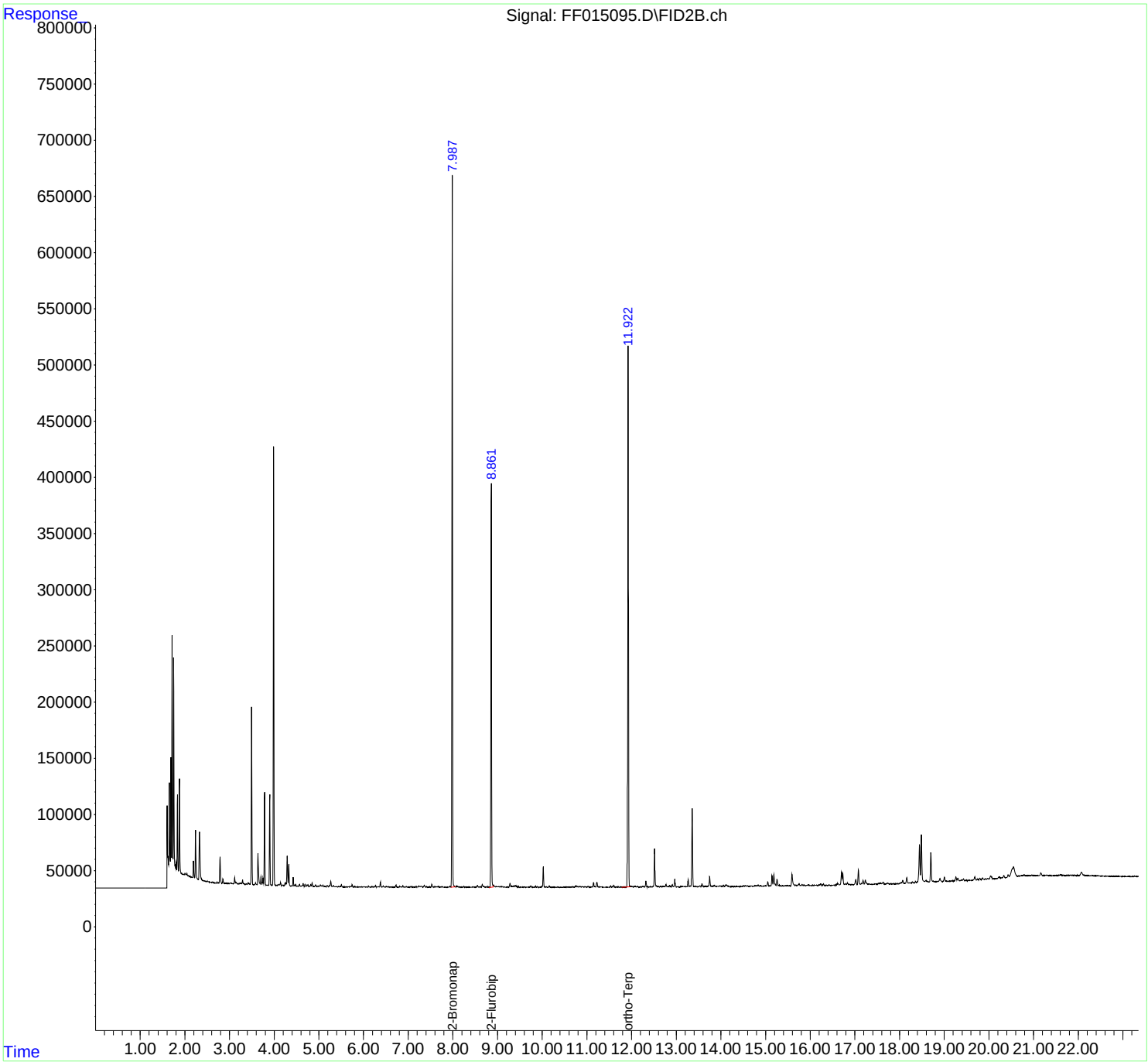
(f)=RT Delta > 1/2 Window (m)=manual int.

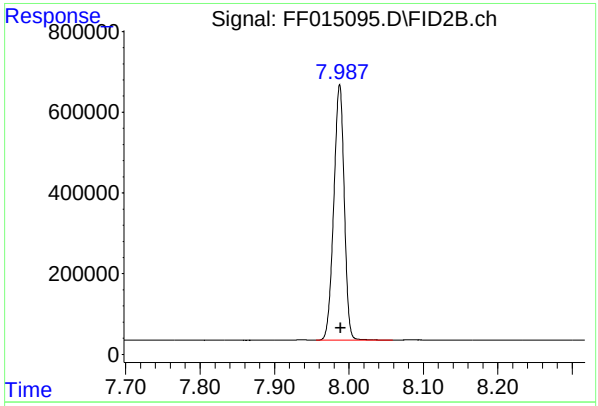
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111924AR\
Data File : FF015095.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 11:19
Operator : YP\AJ
Sample : P4860-07
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PH2-BOT-008

Integration File: autoint1.e
Quant Time: Nov 20 01:47:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 111524.M
Quant Title : GC Extractables
QLast Update : Fri Nov 15 02:02:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

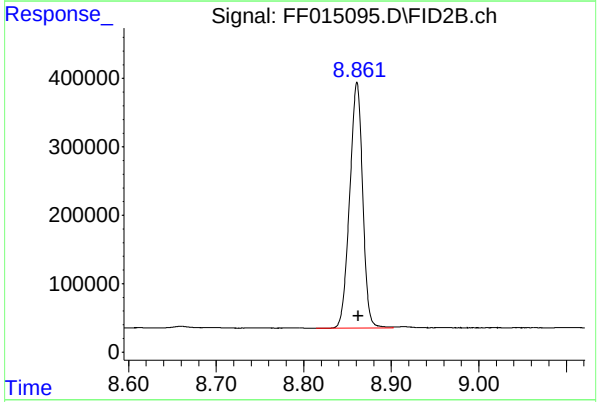




#4 2-Bromonaphthalene (SURR)

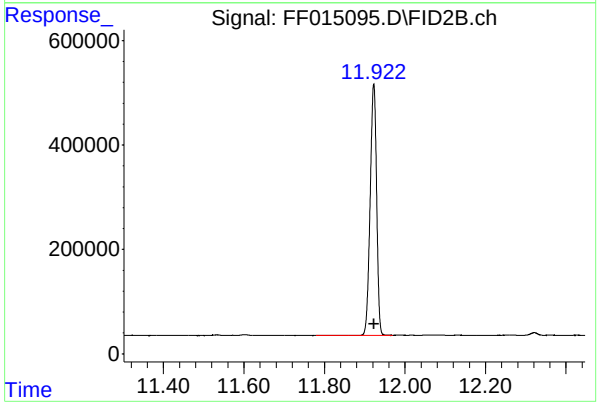
R.T.: 7.987 min
Delta R.T.: -0.002 min
Response: 6201091
Conc: 50.78 ug/ml

Instrument :
FID_F
ClientSampleId :
PH2-BOT-008



#6 2-Flurobiphenyl (SURR)

R.T.: 8.861 min
Delta R.T.: -0.002 min
Response: 3699822
Conc: 45.32 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.922 min
Delta R.T.: 0.000 min
Response: 5342931
Conc: 39.83 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111924AR\
Data File : FF015095.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 11:19
Sample : P4860-07
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 111524.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	4.426	4.401	4.444	BV	7633	64059	1.03%	0.311%
2	4.649	4.591	4.671	VV	2569	36433	0.59%	0.177%
3	4.689	4.671	4.712	VV	1888	20543	0.33%	0.100%
4	4.755	4.742	4.779	VV	1808	18852	0.30%	0.091%
5	4.817	4.779	4.831	VV	1732	20262	0.33%	0.098%
6	4.849	4.831	4.886	VB	3194	35171	0.57%	0.170%
7	5.267	5.249	5.296	VV	5064	61764	1.00%	0.299%
8	5.505	5.486	5.557	VB	2014	21396	0.35%	0.104%
9	5.745	5.721	5.787	VV	2070	22792	0.37%	0.110%
10	6.379	6.354	6.422	BV	4663	49244	0.79%	0.239%
11	6.728	6.671	6.749	BB	2130	21742	0.35%	0.105%
12	7.530	7.501	7.559	BV	2419	26350	0.42%	0.128%
13	7.987	7.956	8.059	PV	634217	6201091	100.00%	30.061%
14	8.552	8.482	8.599	BV	1675	25207	0.41%	0.122%
15	8.660	8.627	8.727	VB	2550	46721	0.75%	0.226%
16	8.861	8.814	8.902	BV	359663	3699822	59.66%	17.936%
17	8.915	8.902	8.944	VV	1664	22164	0.36%	0.107%
18	9.280	9.177	9.342	BB	3129	50063	0.81%	0.243%
19	10.026	10.004	10.059	VV	18410	192646	3.11%	0.934%
20	11.149	11.061	11.192	BV	3948	53435	0.86%	0.259%
21	11.224	11.192	11.281	VB	4213	53882	0.87%	0.261%
22	11.922	11.779	11.970	BV	482046	5342931	86.16%	25.901%
23	12.321	12.291	12.346	VV	5245	62185	1.00%	0.301%
24	12.514	12.451	12.619	BB	34085	404530	6.52%	1.961%
25	12.771	12.692	12.792	BV	1723	23803	0.38%	0.115%
26	12.910	12.886	12.931	BV	1922	24025	0.39%	0.116%
27	12.968	12.931	13.011	PB	7024	86281	1.39%	0.418%
28	13.266	13.227	13.292	BV	6362	70832	1.14%	0.343%
29	13.356	13.292	13.388	VV	69901	848893	13.69%	4.115%
30	13.576	13.552	13.617	VV	2695	39799	0.64%	0.193%
31	13.747	13.691	13.806	BB	8587	105147	1.70%	0.510%
32	15.049	14.922	15.080	BV	3929	64061	1.03%	0.311%
33	15.143	15.116	15.162	VV	9471	119840	1.93%	0.581%
34	15.184	15.162	15.234	VV	10112	163219	2.63%	0.791%
35	15.256	15.234	15.286	VV	5744	74605	1.20%	0.362%
36	15.591	15.536	15.662	BV	10397	186189	3.00%	0.903%

rteres

37	15.750	15.707	15.797	PV	1757	30287	0.49%	0.147%
38	16.611	16.547	16.646	PV	1377	31430	0.51%	0.152%
39	16.699	16.646	16.714	VV	11094	149168	2.41%	0.723%
40	16.728	16.714	16.771	VV	10075	131374	2.12%	0.637%
41	17.018	16.974	17.046	BV	4540	72985	1.18%	0.354%
42	17.077	17.046	17.129	VV	13209	181732	2.93%	0.881%
43	17.182	17.129	17.209	VV	3505	59599	0.96%	0.289%
44	17.233	17.209	17.291	VB	3776	65215	1.05%	0.316%
45	18.071	17.806	18.112	BB	2839	53240	0.86%	0.258%
46	18.160	18.124	18.189	BV	5015	72257	1.17%	0.350%
47	18.446	18.411	18.466	BV	32508	476916	7.69%	2.312%
48	18.487	18.466	18.554	VV	41377	586928	9.46%	2.845%
49	18.700	18.661	18.800	BBA	26065	357211	5.76%	1.732%

Sum of corrected areas: 20628321

Aromatic EPH 111524.M Wed Nov 20 02:26:32 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014865.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 11:47
Operator : YP\AJ
Sample : P4860-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PH2-BOT-007

Integration File: autoint1.e
Quant Time: Nov 20 00:35:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 16:33:02 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...	13.385	3506832	31.556 ug/ml
Spiked Amount 50.000		Recovery = 63.11%	
Target Compounds			

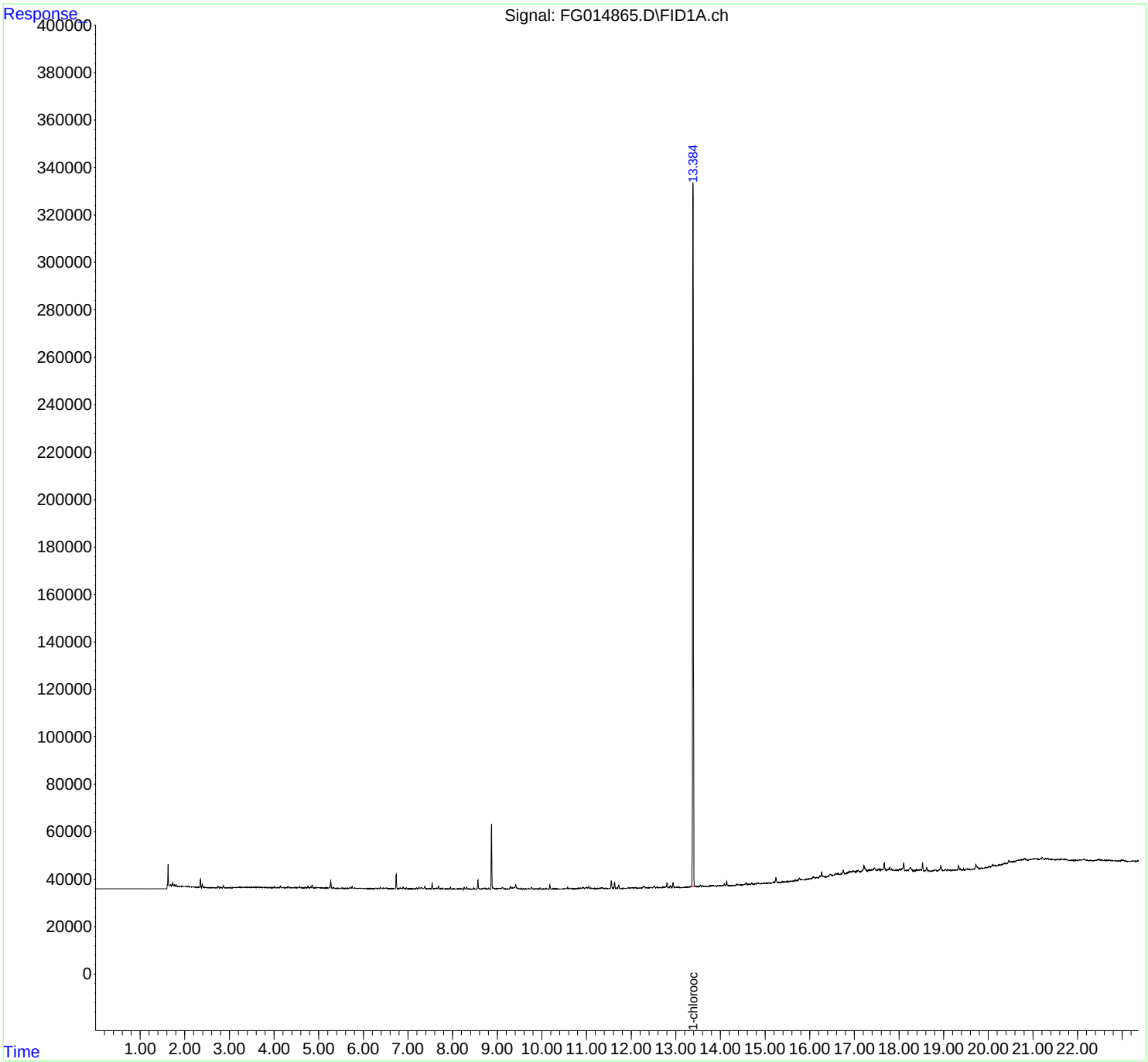
(f)=RT Delta > 1/2 Window (m)=manual int.

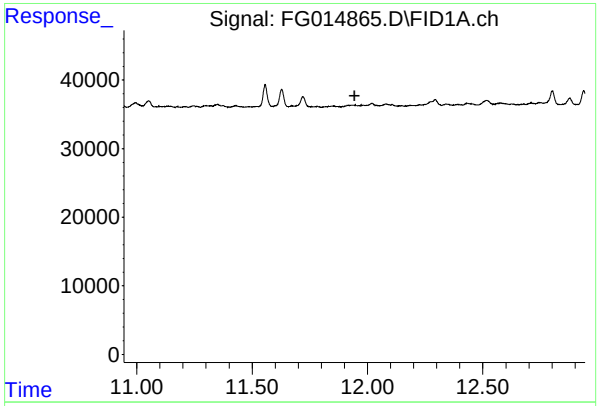
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014865.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 11:47
Operator : YP\AJ
Sample : P4860-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PH2-BOT-007

Integration File: autoint1.e
Quant Time: Nov 20 00:35:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 16:33:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

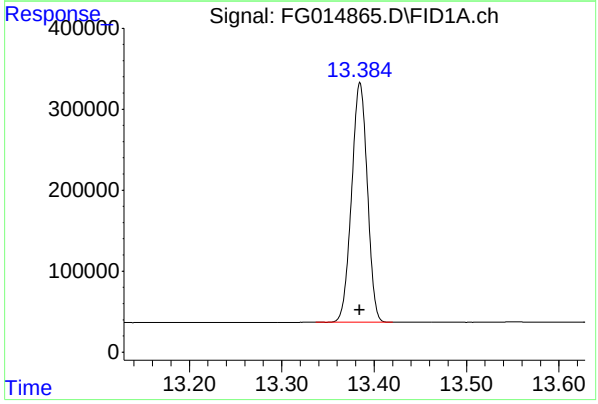




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.944 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
PH2-BOT-007



#12 1-chlorooctadecane (SURR)

R.T.: 13.385 min
Delta R.T.: 0.000 min
Response: 3506832
Conc: 31.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014865.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 11:47
Sample : P4860-08
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.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	3.279	3.222	3.290	BV	35	419	0.01%	0.004%
2	3.322	3.290	3.355	PV	209	2660	0.08%	0.023%
3	3.362	3.355	3.372	VV	62	458	0.01%	0.004%
4	3.384	3.372	3.396	VV	81	710	0.02%	0.006%
5	3.413	3.396	3.452	VV	107	2153	0.06%	0.019%
6	3.472	3.452	3.485	VV	137	1910	0.05%	0.016%
7	3.493	3.485	3.498	VV	150	878	0.02%	0.008%
8	3.509	3.498	3.545	VV	235	3911	0.11%	0.034%
9	3.553	3.545	3.589	VV	171	3360	0.10%	0.029%
10	3.597	3.589	3.609	VV	140	1629	0.05%	0.014%
11	3.629	3.609	3.683	VV	215	6777	0.19%	0.058%
12	3.708	3.683	3.733	VV	336	4964	0.14%	0.043%
13	3.762	3.733	3.779	VV	199	3980	0.11%	0.034%
14	3.794	3.779	3.841	VV	181	3935	0.11%	0.034%
15	3.852	3.841	3.882	VV	85	1431	0.04%	0.012%
16	3.909	3.882	3.965	VV	194	3963	0.11%	0.034%
17	3.999	3.965	4.046	VV	517	6858	0.19%	0.059%
18	4.069	4.046	4.082	PV	112	1329	0.04%	0.011%
19	4.112	4.082	4.129	VV	378	5104	0.15%	0.044%
20	4.145	4.129	4.194	VV	784	9929	0.28%	0.086%
21	4.221	4.194	4.252	VV	189	4809	0.14%	0.041%
22	4.315	4.252	4.412	VV	576	20033	0.57%	0.173%
23	4.442	4.412	4.455	VV	168	3627	0.10%	0.031%
24	4.466	4.455	4.552	VV	200	9921	0.28%	0.085%
25	4.569	4.552	4.599	VV	752	10406	0.30%	0.090%
26	4.608	4.599	4.627	VV	256	3269	0.09%	0.028%
27	4.646	4.627	4.667	VV	154	3213	0.09%	0.028%
28	4.694	4.667	4.724	VV	521	8172	0.23%	0.070%
29	4.759	4.724	4.798	VV	940	14911	0.42%	0.128%
30	4.821	4.798	4.835	VV	707	8560	0.24%	0.074%
31	4.854	4.835	4.889	VV	1332	16810	0.48%	0.145%
32	4.895	4.889	4.905	VV	219	1870	0.05%	0.016%
33	4.935	4.905	4.958	VV	265	7063	0.20%	0.061%
34	4.985	4.958	5.010	VV	359	8815	0.25%	0.076%
35	5.019	5.010	5.047	VV	224	4585	0.13%	0.039%
36	5.061	5.047	5.094	VV	253	5320	0.15%	0.046%

rteres

37	5.113	5.094	5.152	VV	154	3806	0.11%	0.033%
38	5.183	5.152	5.203	VV	309	5200	0.15%	0.045%
39	5.271	5.203	5.303	VV	3202	45934	1.31%	0.396%
40	5.332	5.303	5.372	VV	633	8640	0.25%	0.074%
41	5.386	5.372	5.427	VV	80	1449	0.04%	0.012%
42	5.478	5.427	5.499	PV	133	3554	0.10%	0.031%
43	5.515	5.499	5.546	VV	280	3826	0.11%	0.033%
44	5.553	5.546	5.564	VV	67	605	0.02%	0.005%
45	5.583	5.564	5.602	VV	143	2041	0.06%	0.018%
46	5.609	5.602	5.620	VV	71	785	0.02%	0.007%
47	5.670	5.620	5.682	VV	159	2933	0.08%	0.025%
48	5.706	5.682	5.726	VV	607	7383	0.21%	0.064%
49	5.751	5.726	5.772	VV	989	10941	0.31%	0.094%
50	5.809	5.772	5.846	VV	301	4525	0.13%	0.039%
51	5.892	5.846	5.935	VV	193	5353	0.15%	0.046%
52	5.942	5.935	5.950	VV	78	477	0.01%	0.004%
53	5.973	5.950	5.995	VV	86	1590	0.05%	0.014%
54	6.016	5.995	6.069	VV	208	3562	0.10%	0.031%
55	6.076	6.069	6.122	VV	65	978	0.03%	0.008%
56	6.137	6.122	6.169	VV	63	457	0.01%	0.004%
57	6.185	6.169	6.203	VV	117	1294	0.04%	0.011%
58	6.213	6.203	6.226	VV	69	638	0.02%	0.005%
59	6.278	6.226	6.322	VV	307	7588	0.22%	0.065%
60	6.337	6.322	6.362	VV	251	4075	0.12%	0.035%
61	6.382	6.362	6.410	VV	643	8961	0.25%	0.077%
62	6.449	6.410	6.475	VV	435	8520	0.24%	0.073%
63	6.521	6.475	6.589	VV	310	10976	0.31%	0.095%
64	6.606	6.589	6.687	VV	113	4745	0.13%	0.041%
65	6.737	6.687	6.764	VV	6061	63348	1.80%	0.546%
66	6.784	6.764	6.805	VV	172	2754	0.08%	0.024%
67	6.824	6.805	6.844	VV	542	6527	0.19%	0.056%
68	6.860	6.844	6.873	VV	295	3284	0.09%	0.028%
69	6.892	6.873	6.912	VV	900	9973	0.28%	0.086%
70	6.928	6.912	6.945	VV	290	3169	0.09%	0.027%
71	6.966	6.945	6.999	VV	471	5149	0.15%	0.044%
72	7.015	6.999	7.039	VV	105	1126	0.03%	0.010%
73	7.060	7.039	7.082	PV	103	1421	0.04%	0.012%
74	7.116	7.082	7.136	VV	100	2315	0.07%	0.020%
75	7.145	7.136	7.169	VV	100	998	0.03%	0.009%
76	7.195	7.169	7.224	VV	543	6611	0.19%	0.057%
77	7.248	7.224	7.281	VV	706	12190	0.35%	0.105%
78	7.299	7.281	7.342	VV	608	13893	0.39%	0.120%
79	7.377	7.342	7.402	VV	968	16167	0.46%	0.139%
80	7.417	7.402	7.435	VV	203	2717	0.08%	0.023%
81	7.484	7.435	7.519	VV	287	8097	0.23%	0.070%
82	7.543	7.519	7.579	VV	2380	27291	0.78%	0.235%
83	7.584	7.579	7.589	VV	169	793	0.02%	0.007%
84	7.605	7.589	7.635	VV	287	5828	0.17%	0.050%
85	7.652	7.635	7.664	VV	384	4520	0.13%	0.039%
86	7.685	7.664	7.712	VV	1246	15876	0.45%	0.137%
87	7.751	7.712	7.765	VV	373	6165	0.18%	0.053%
88	7.779	7.765	7.816	VV	426	5324	0.15%	0.046%
89	7.827	7.816	7.835	VV	100	761	0.02%	0.007%

rteres

90	7.845	7.835	7.877	VV	161	2458	0.07%	0.021%
91	7.898	7.877	7.922	VV	160	2097	0.06%	0.018%
92	7.952	7.922	7.984	VV	883	9667	0.27%	0.083%
93	8.001	7.984	8.016	VV	317	3031	0.09%	0.026%
94	8.043	8.016	8.082	VV	176	3743	0.11%	0.032%
95	8.118	8.082	8.135	VV	222	5311	0.15%	0.046%
96	8.146	8.135	8.161	VV	173	2394	0.07%	0.021%
97	8.172	8.161	8.198	VV	170	2230	0.06%	0.019%
98	8.217	8.198	8.238	VV	262	2687	0.08%	0.023%
99	8.261	8.238	8.287	PV	835	9486	0.27%	0.082%
100	8.317	8.287	8.341	VV	1036	11857	0.34%	0.102%
101	8.355	8.341	8.373	VV	184	2649	0.08%	0.023%
102	8.390	8.373	8.406	VV	132	2189	0.06%	0.019%
103	8.418	8.406	8.429	VV	124	1179	0.03%	0.010%
104	8.474	8.429	8.541	VV	541	10527	0.30%	0.091%
105	8.568	8.541	8.643	VV	3680	46325	1.32%	0.399%
106	8.667	8.643	8.700	VV	417	10216	0.29%	0.088%
107	8.716	8.700	8.745	VV	442	7927	0.23%	0.068%
108	8.764	8.745	8.787	VV	391	5499	0.16%	0.047%
109	8.806	8.787	8.836	VV	465	5719	0.16%	0.049%
110	8.872	8.836	8.913	PV	27523	280684	7.98%	2.417%
111	8.922	8.913	8.956	VV	450	7708	0.22%	0.066%
112	8.989	8.956	9.005	VV	276	6457	0.18%	0.056%
113	9.032	9.005	9.051	VV	455	8830	0.25%	0.076%
114	9.063	9.051	9.094	VV	405	7898	0.22%	0.068%
115	9.113	9.094	9.156	VV	758	16372	0.47%	0.141%
116	9.177	9.156	9.208	VV	269	4106	0.12%	0.035%
117	9.229	9.208	9.249	PV	356	4251	0.12%	0.037%
118	9.295	9.249	9.313	VV	1263	18004	0.51%	0.155%
119	9.333	9.313	9.349	VV	870	13593	0.39%	0.117%
120	9.373	9.349	9.383	VV	699	11865	0.34%	0.102%
121	9.415	9.383	9.472	VV	1973	40840	1.16%	0.352%
122	9.486	9.472	9.510	VV	451	5435	0.15%	0.047%
123	9.536	9.510	9.562	VV	390	4694	0.13%	0.040%
124	9.589	9.562	9.605	VV	242	3542	0.10%	0.031%
125	9.616	9.605	9.667	VV	226	6052	0.17%	0.052%
126	9.701	9.667	9.745	VV	404	9140	0.26%	0.079%
127	9.766	9.745	9.804	VV	808	11859	0.34%	0.102%
128	9.823	9.804	9.833	VV	193	2210	0.06%	0.019%
129	9.860	9.833	9.884	VV	173	3556	0.10%	0.031%
130	9.906	9.884	9.928	VV	374	5336	0.15%	0.046%
131	9.959	9.928	10.028	VV	589	9023	0.26%	0.078%
132	10.047	10.028	10.075	VV	156	1986	0.06%	0.017%
133	10.098	10.075	10.159	PV	442	6493	0.18%	0.056%
134	10.180	10.159	10.212	VV	1672	19840	0.56%	0.171%
135	10.223	10.212	10.232	VV	63	505	0.01%	0.004%
136	10.253	10.232	10.270	VV	248	4089	0.12%	0.035%
137	10.279	10.270	10.300	VV	218	2714	0.08%	0.023%
138	10.328	10.300	10.338	VV	116	2138	0.06%	0.018%
139	10.351	10.338	10.414	VV	139	2705	0.08%	0.023%
140	10.425	10.414	10.439	PV	40	402	0.01%	0.003%
141	10.460	10.439	10.475	VV	166	2162	0.06%	0.019%

rteres

142	10.504	10.475	10.537	VV	306	6258	0.18%	0.054%
143	10.573	10.537	10.595	VV	606	10541	0.30%	0.091%
144	10.612	10.595	10.634	VV	357	5410	0.15%	0.047%
145	10.661	10.634	10.679	VV	281	4882	0.14%	0.042%
146	10.703	10.679	10.725	VV	235	3604	0.10%	0.031%
147	10.740	10.725	10.755	VV	124	1421	0.04%	0.012%
148	10.785	10.755	10.798	VV	318	4630	0.13%	0.040%
149	10.819	10.798	10.834	VV	260	4499	0.13%	0.039%
150	10.857	10.834	10.885	VV	418	9033	0.26%	0.078%
151	10.921	10.885	10.957	VV	849	18419	0.52%	0.159%
152	10.994	10.957	11.024	VV	770	18413	0.52%	0.159%
153	11.051	11.024	11.120	VV	1038	23794	0.68%	0.205%
154	11.136	11.120	11.164	VV	275	5153	0.15%	0.044%
155	11.175	11.164	11.190	VV	206	1896	0.05%	0.016%
156	11.208	11.190	11.223	VV	180	2610	0.07%	0.022%
157	11.246	11.223	11.275	VV	297	5884	0.17%	0.051%
158	11.299	11.275	11.328	VV	310	7901	0.22%	0.068%
159	11.349	11.328	11.404	VV	448	12423	0.35%	0.107%
160	11.428	11.404	11.468	VV	295	6422	0.18%	0.055%
161	11.485	11.468	11.498	VV	148	2040	0.06%	0.018%
162	11.556	11.498	11.586	VV	3386	46344	1.32%	0.399%
163	11.628	11.586	11.658	VV	2652	38713	1.10%	0.333%
164	11.720	11.658	11.766	VV	1570	29022	0.82%	0.250%
165	11.781	11.766	11.800	VV	187	1854	0.05%	0.016%
166	11.854	11.800	11.895	PV	175	5653	0.16%	0.049%
167	11.944	11.895	11.964	VV	282	9011	0.26%	0.078%
168	12.019	11.964	12.055	VV	527	14592	0.41%	0.126%
169	12.081	12.055	12.126	VV	418	10879	0.31%	0.094%
170	12.149	12.126	12.160	VV	147	2024	0.06%	0.017%
171	12.186	12.160	12.209	VV	168	3432	0.10%	0.030%
172	12.227	12.209	12.239	VV	252	3389	0.10%	0.029%
173	12.293	12.239	12.322	VV	976	24947	0.71%	0.215%
174	12.341	12.322	12.369	VV	305	6150	0.17%	0.053%
175	12.393	12.369	12.412	VV	212	4753	0.14%	0.041%
176	12.433	12.412	12.476	VV	387	10138	0.29%	0.087%
177	12.516	12.476	12.552	VV	770	19532	0.56%	0.168%
178	12.576	12.552	12.615	VV	381	11038	0.31%	0.095%
179	12.626	12.615	12.657	VV	237	4189	0.12%	0.036%
180	12.711	12.657	12.728	VV	388	9289	0.26%	0.080%
181	12.744	12.728	12.762	VV	408	6722	0.19%	0.058%
182	12.801	12.762	12.836	VV	2113	33041	0.94%	0.285%
183	12.876	12.836	12.911	VV	1006	15651	0.44%	0.135%
184	12.938	12.911	12.984	VV	2089	28391	0.81%	0.244%
185	12.997	12.984	13.020	VV	247	4229	0.12%	0.036%
186	13.055	13.020	13.104	VV	351	9795	0.28%	0.084%
187	13.113	13.104	13.129	VV	91	906	0.03%	0.008%
188	13.132	13.129	13.140	VV	75	306	0.01%	0.003%
189	13.217	13.140	13.252	PV	231	8356	0.24%	0.072%
190	13.265	13.252	13.281	VV	182	1944	0.06%	0.017%
191	13.330	13.281	13.349	VV	349	8981	0.26%	0.077%
192	13.385	13.349	13.421	VV	295966	3518508	100.00%	30.300%
193	13.441	13.421	13.469	VV	534	10159	0.29%	0.087%
194	13.488	13.469	13.502	VV	242	3999	0.11%	0.034%

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195	13.552	13.502	13.579	VV	647	14624	0.42%	0.126%
196	13.605	13.579	13.652	VV	401	11136	0.32%	0.096%
197	13.671	13.652	13.702	VV	187	4275	0.12%	0.037%
198	13.722	13.702	13.734	VV	186	2633	0.07%	0.023%
199	13.771	13.734	13.797	VV	352	9734	0.28%	0.084%
200	13.827	13.797	13.879	VV	526	14813	0.42%	0.128%
201	13.894	13.879	13.915	VV	191	3035	0.09%	0.026%
202	13.986	13.915	13.997	VV	318	9620	0.27%	0.083%
203	14.001	13.997	14.027	VV	238	3048	0.09%	0.026%
204	14.055	14.027	14.065	VV	300	4532	0.13%	0.039%
205	14.086	14.065	14.111	VV	808	11545	0.33%	0.099%
206	14.138	14.111	14.172	VV	2005	26327	0.75%	0.227%
207	14.198	14.172	14.242	VV	200	4280	0.12%	0.037%
208	14.278	14.242	14.322	VV	180	3647	0.10%	0.031%
209	14.378	14.322	14.415	PV	553	14392	0.41%	0.124%
210	14.439	14.415	14.459	VV	234	4771	0.14%	0.041%
211	14.467	14.459	14.495	VV	196	2897	0.08%	0.025%
212	14.574	14.495	14.605	VV	977	22369	0.64%	0.193%
213	14.615	14.605	14.635	VV	167	2662	0.08%	0.023%
214	14.650	14.635	14.681	VV	223	4873	0.14%	0.042%
215	14.702	14.681	14.745	VV	711	10130	0.29%	0.087%
216	14.839	14.745	14.892	PV	404	20240	0.58%	0.174%
217	14.902	14.892	14.919	VV	217	2351	0.07%	0.020%
218	14.957	14.919	14.975	VV	349	6542	0.19%	0.056%
219	14.982	14.975	15.001	VV	246	2896	0.08%	0.025%
220	15.021	15.001	15.044	VV	293	5394	0.15%	0.046%
221	15.057	15.044	15.125	VV	194	7348	0.21%	0.063%
222	15.198	15.125	15.215	VV	656	12691	0.36%	0.109%
223	15.243	15.215	15.292	VV	2208	33667	0.96%	0.290%
224	15.308	15.292	15.351	VV	212	4506	0.13%	0.039%
225	15.380	15.351	15.395	VV	243	3865	0.11%	0.033%
226	15.446	15.395	15.466	VV	267	7873	0.22%	0.068%
227	15.484	15.466	15.496	VV	308	3479	0.10%	0.030%
228	15.515	15.496	15.535	VV	294	5377	0.15%	0.046%
229	15.574	15.535	15.593	VV	322	8108	0.23%	0.070%
230	15.673	15.593	15.700	VV	623	22728	0.65%	0.196%
231	15.716	15.700	15.732	VV	502	8097	0.23%	0.070%
232	15.765	15.732	15.794	VV	1450	32854	0.93%	0.283%
233	15.808	15.794	15.835	VV	807	17405	0.49%	0.150%
234	15.859	15.835	15.873	VV	556	11975	0.34%	0.103%
235	15.902	15.873	15.924	VV	743	18098	0.51%	0.156%
236	15.957	15.924	15.972	VV	752	19456	0.55%	0.168%
237	15.990	15.972	16.002	VV	862	13775	0.39%	0.119%
238	16.082	16.002	16.180	VV	1512	114471	3.25%	0.986%
239	16.227	16.180	16.240	VV	1673	43149	1.23%	0.372%
240	16.265	16.240	16.351	VV	3273	111147	3.16%	0.957%
241	16.365	16.351	16.391	VV	1244	27434	0.78%	0.236%
242	16.458	16.391	16.512	VV	2171	118366	3.36%	1.019%
243	16.576	16.512	16.609	VV	2293	109075	3.10%	0.939%
244	16.630	16.609	16.679	VV	2475	83425	2.37%	0.718%
245	16.700	16.679	16.709	VV	2100	33524	0.95%	0.289%
246	16.749	16.709	16.778	VV	3601	104357	2.97%	0.899%

rteres

247	16.790	16.778	16.810	VV	2062	38309	1.09%	0.330%
248	16.872	16.810	16.882	VV	2528	93831	2.67%	0.808%
249	16.906	16.882	16.936	VV	2713	82751	2.35%	0.713%
250	16.961	16.936	17.003	VV	2875	108947	3.10%	0.938%
251	17.019	17.003	17.038	VV	2661	52374	1.49%	0.451%
252	17.084	17.038	17.138	VV	3059	156254	4.44%	1.346%
253	17.215	17.138	17.265	VV	4627	237230	6.74%	2.043%
254	17.275	17.265	17.292	VV	2800	42948	1.22%	0.370%
255	17.316	17.292	17.324	VV	2708	49404	1.40%	0.425%
256	17.345	17.324	17.396	VV	2863	117700	3.35%	1.014%
257	17.450	17.396	17.488	VV	3600	166035	4.72%	1.430%
258	17.548	17.488	17.619	VV	2905	202922	5.77%	1.747%
259	17.666	17.619	17.723	VV	5293	190999	5.43%	1.645%
260	17.741	17.723	17.759	VV	2571	50535	1.44%	0.435%
261	17.786	17.759	17.828	VV	3065	107507	3.06%	0.926%
262	17.836	17.828	17.852	VV	2403	31604	0.90%	0.272%
263	17.872	17.852	17.895	VV	2230	54285	1.54%	0.467%
264	17.930	17.895	17.939	VV	2016	49653	1.41%	0.428%
265	17.961	17.939	17.989	VV	2101	57768	1.64%	0.497%
266	18.003	17.989	18.013	VV	2204	30046	0.85%	0.259%
267	18.023	18.013	18.047	VV	2246	43016	1.22%	0.370%
268	18.102	18.047	18.132	VV	4540	137599	3.91%	1.185%
269	18.148	18.132	18.169	VV	1704	35072	1.00%	0.302%
270	18.180	18.169	18.209	VV	1623	36174	1.03%	0.312%
271	18.253	18.209	18.335	VV	2706	138941	3.95%	1.197%
272	18.397	18.335	18.434	VV	1589	77064	2.19%	0.664%
273	18.483	18.434	18.500	VV	1465	53547	1.52%	0.461%
274	18.527	18.500	18.556	VV	4137	72121	2.05%	0.621%
275	18.619	18.556	18.642	VV	2256	63859	1.81%	0.550%
276	18.654	18.642	18.704	VV	997	28976	0.82%	0.250%
277	18.790	18.704	18.808	VV	1046	45269	1.29%	0.390%
278	18.818	18.808	18.852	VV	937	20624	0.59%	0.178%
279	18.870	18.852	18.882	VV	635	9775	0.28%	0.084%
280	18.936	18.882	19.002	VV	2685	73169	2.08%	0.630%
281	19.040	19.002	19.072	VV	951	24861	0.71%	0.214%
282	19.091	19.072	19.110	VV	836	14033	0.40%	0.121%
283	19.120	19.110	19.156	VV	542	12404	0.35%	0.107%
284	19.202	19.156	19.215	VV	441	11762	0.33%	0.101%
285	19.248	19.215	19.271	VV	518	12548	0.36%	0.108%
286	19.334	19.271	19.359	VV	2069	40762	1.16%	0.351%
287	19.372	19.359	19.408	VV	762	13087	0.37%	0.113%
288	19.442	19.408	19.468	VV	483	7526	0.21%	0.065%
289	19.510	19.468	19.572	PV	490	16357	0.46%	0.141%
290	19.581	19.572	19.593	VV	246	1947	0.06%	0.017%
291	19.665	19.593	19.681	VV	194	7561	0.21%	0.065%
292	19.719	19.681	19.743	VV	2009	36726	1.04%	0.316%
293	19.751	19.743	19.791	VV	1024	16418	0.47%	0.141%
294	19.841	19.791	19.882	VV	393	12910	0.37%	0.111%
295	19.944	19.882	19.975	VV	464	18470	0.52%	0.159%
296	20.031	19.975	20.054	VV	728	27553	0.78%	0.237%
297	20.095	20.054	20.122	VV	1547	39529	1.12%	0.340%
298	20.151	20.122	20.176	VV	1073	32028	0.91%	0.276%
299	20.257	20.176	20.281	VV	1235	61349	1.74%	0.528%

rteres

300	20.366	20.281	20.399	VV	1664	95652	2.72%	0.824%
301	20.461	20.399	20.487	VV	2683	99003	2.81%	0.853%
302	20.541	20.487	20.556	VV	2149	83800	2.38%	0.722%
303	20.572	20.556	20.595	VV	2084	47748	1.36%	0.411%
304	20.642	20.595	20.653	VV	2467	77196	2.19%	0.665%
305	20.725	20.653	20.761	VV	2650	162386	4.62%	1.398%
306	20.819	20.761	20.899	VV	3047	208386	5.92%	1.795%
307	20.952	20.899	20.966	VV	2393	92669	2.63%	0.798%
308	21.002	20.966	21.051	VV	2588	126530	3.60%	1.090%
309	21.067	21.051	21.129	VV	2544	109666	3.12%	0.944%
310	21.206	21.129	21.255	VV	2813	178526	5.07%	1.537%
311	21.293	21.255	21.318	VV	2256	80222	2.28%	0.691%
312	21.337	21.318	21.430	VV	2118	125517	3.57%	1.081%
313	21.439	21.430	21.475	VV	1709	43744	1.24%	0.377%
314	21.490	21.475	21.520	VV	1518	39494	1.12%	0.340%
315	21.550	21.520	21.573	VV	1520	47278	1.34%	0.407%
316	21.645	21.573	21.673	VV	1637	86080	2.45%	0.741%
317	21.682	21.673	21.693	VV	1316	14859	0.42%	0.128%
318	21.708	21.693	21.719	VV	1312	20437	0.58%	0.176%
319	21.729	21.719	21.805	VV	1290	52736	1.50%	0.454%
320	21.825	21.805	21.891	VV	781	33478	0.95%	0.288%
321	21.903	21.891	21.920	VV	599	9954	0.28%	0.086%
322	21.928	21.920	21.949	VV	575	9057	0.26%	0.078%
323	21.972	21.949	21.985	VV	469	10082	0.29%	0.087%
324	21.992	21.985	22.006	VV	455	5285	0.15%	0.046%
325	22.044	22.006	22.065	VV	631	18516	0.53%	0.159%
326	22.074	22.065	22.095	VV	592	9663	0.27%	0.083%
327	22.142	22.095	22.199	VV	737	28445	0.81%	0.245%
328	22.202	22.199	22.252	VBA	266	15034	0.43%	0.129%
			Sum of corrected areas:			11612312		

Aliphatic EPH 111424.M Wed Nov 20 01:27:52 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111924AR\
Data File : FF015096.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 11:47
Operator : YP\AJ
Sample : P4860-08
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PH2-BOT-007

Integration File: autoint1.e
Quant Time: Nov 20 01:47:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 111524.M
Quant Title : GC Extractables
QLast Update : Fri Nov 15 02:02:38 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...	7.988	6337278	51.895 ug/ml
Spiked Amount 50.000		Recovery = 103.79%	
6) S 2-Flurobiphenyl (SURR)	8.861	3970343	48.632 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 97.26%	
11) S ortho-Terphenyl (SURR)	11.921	3285749	24.494 ug/ml
Spiked Amount 50.000		Recovery = 48.99%	
Target Compounds			

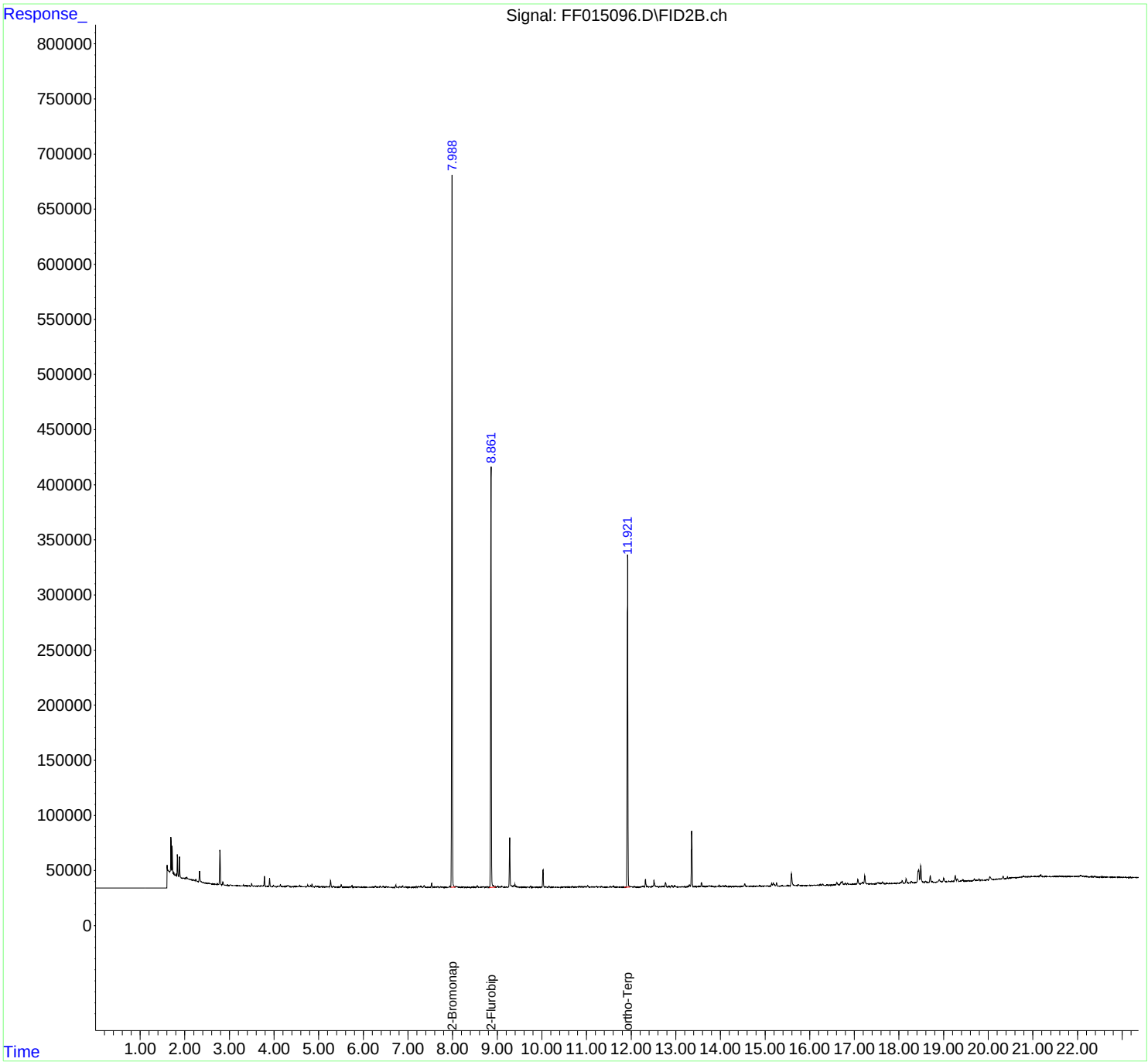
(f)=RT Delta > 1/2 Window (m)=manual int.

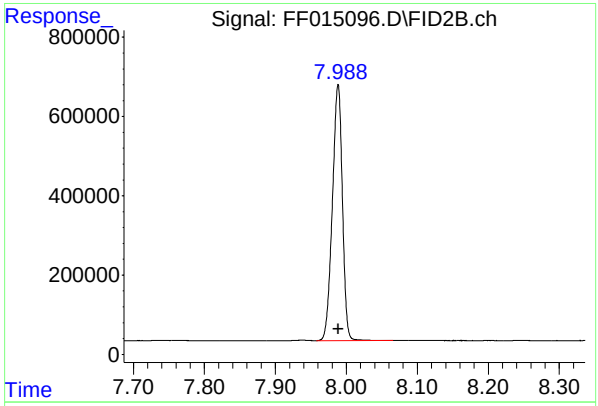
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111924AR\
Data File : FF015096.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 11:47
Operator : YP\AJ
Sample : P4860-08
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PH2-BOT-007

Integration File: autoint1.e
Quant Time: Nov 20 01:47:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 111524.M
Quant Title : GC Extractables
QLast Update : Fri Nov 15 02:02:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

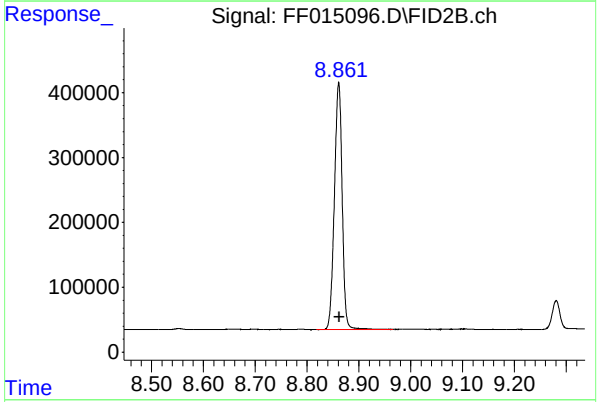




#4 2-Bromonaphthalene (SURR)

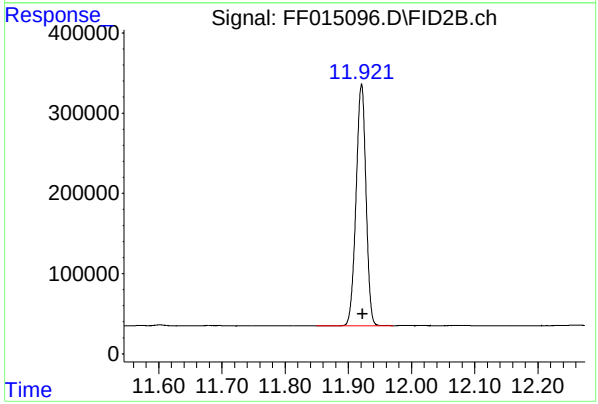
R.T.: 7.988 min
Delta R.T.: 0.000 min
Response: 6337278
Conc: 51.90 ug/ml

Instrument :
FID_F
ClientSampleId :
PH2-BOT-007



#6 2-Flurobiphenyl (SURR)

R.T.: 8.861 min
Delta R.T.: -0.001 min
Response: 3970343
Conc: 48.63 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.921 min
Delta R.T.: -0.002 min
Response: 3285749
Conc: 24.49 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111924AR\
Data File : FF015096.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 11:47
Sample : P4860-08
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 111524.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	4.756	4.721	4.777	BV	1824	22513	0.36%	0.135%
2	4.851	4.833	4.896	VB	2626	28384	0.45%	0.170%
3	5.267	5.202	5.299	BV	5756	76094	1.20%	0.455%
4	5.506	5.434	5.547	BB	2459	29406	0.46%	0.176%
5	5.746	5.729	5.767	BV	1675	16757	0.26%	0.100%
6	6.728	6.679	6.751	BV	2212	23160	0.37%	0.138%
7	7.365	7.334	7.389	PB	1665	22376	0.35%	0.134%
8	7.530	7.496	7.562	BV	3794	40920	0.65%	0.244%
9	7.988	7.957	8.066	PV	650311	6337278	100.00%	37.865%
10	8.861	8.817	8.966	BB	381067	3970343	62.65%	23.723%
11	9.281	9.229	9.344	BV	44831	487122	7.69%	2.911%
12	9.396	9.374	9.417	VV	2106	25514	0.40%	0.152%
13	10.026	9.904	10.064	BV	15795	176387	2.78%	1.054%
14	11.921	11.849	11.971	BV	300523	3285749	51.85%	19.632%
15	12.322	12.291	12.347	VV	6998	82947	1.31%	0.496%
16	12.512	12.451	12.594	BB	6192	97277	1.54%	0.581%
17	12.771	12.602	12.816	BB	3946	69746	1.10%	0.417%
18	13.305	13.283	13.325	VV	1902	27081	0.43%	0.162%
19	13.355	13.325	13.392	VV	50990	615707	9.72%	3.679%
20	13.575	13.392	13.615	VV	3759	73315	1.16%	0.438%
21	14.544	14.517	14.599	VB	2399	33384	0.53%	0.199%
22	15.144	15.089	15.164	BV	2468	34719	0.55%	0.207%
23	15.184	15.164	15.232	VV	3016	63840	1.01%	0.381%
24	15.256	15.232	15.287	VB	3073	41051	0.65%	0.245%
25	15.589	15.554	15.669	BB	11056	179351	2.83%	1.072%
26	16.605	16.542	16.654	BB	1919	31030	0.49%	0.185%
27	16.699	16.661	16.712	BV	2308	32422	0.51%	0.194%
28	16.727	16.712	16.764	VV	2935	42198	0.67%	0.252%
29	17.077	16.961	17.127	BV	4095	65504	1.03%	0.391%
30	17.184	17.162	17.206	VV	1707	27727	0.44%	0.166%
31	17.232	17.206	17.299	VB	7412	106017	1.67%	0.633%
32	18.071	17.982	18.101	VB	2461	51849	0.82%	0.310%
33	18.160	18.124	18.202	BV	4067	59298	0.94%	0.354%
34	18.443	18.411	18.465	BV	8976	188107	2.97%	1.124%
35	18.487	18.465	18.562	VV	13746	178893	2.82%	1.069%
36	18.700	18.661	18.771	BB	6051	93005	1.47%	0.556%

rteres
Sum of corrected areas: 16736471

Aromatic EPH 111524.M Wed Nov 20 02:26:58 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014866.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 12:16
Operator : YP\AJ
Sample : P4860-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PH2-BOT-006

Integration File: autoint1.e
Quant Time: Nov 20 00:35:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 16:33:02 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...	13.385	3851647	34.659 ug/ml
Spiked Amount 50.000		Recovery = 69.32%	
Target Compounds			

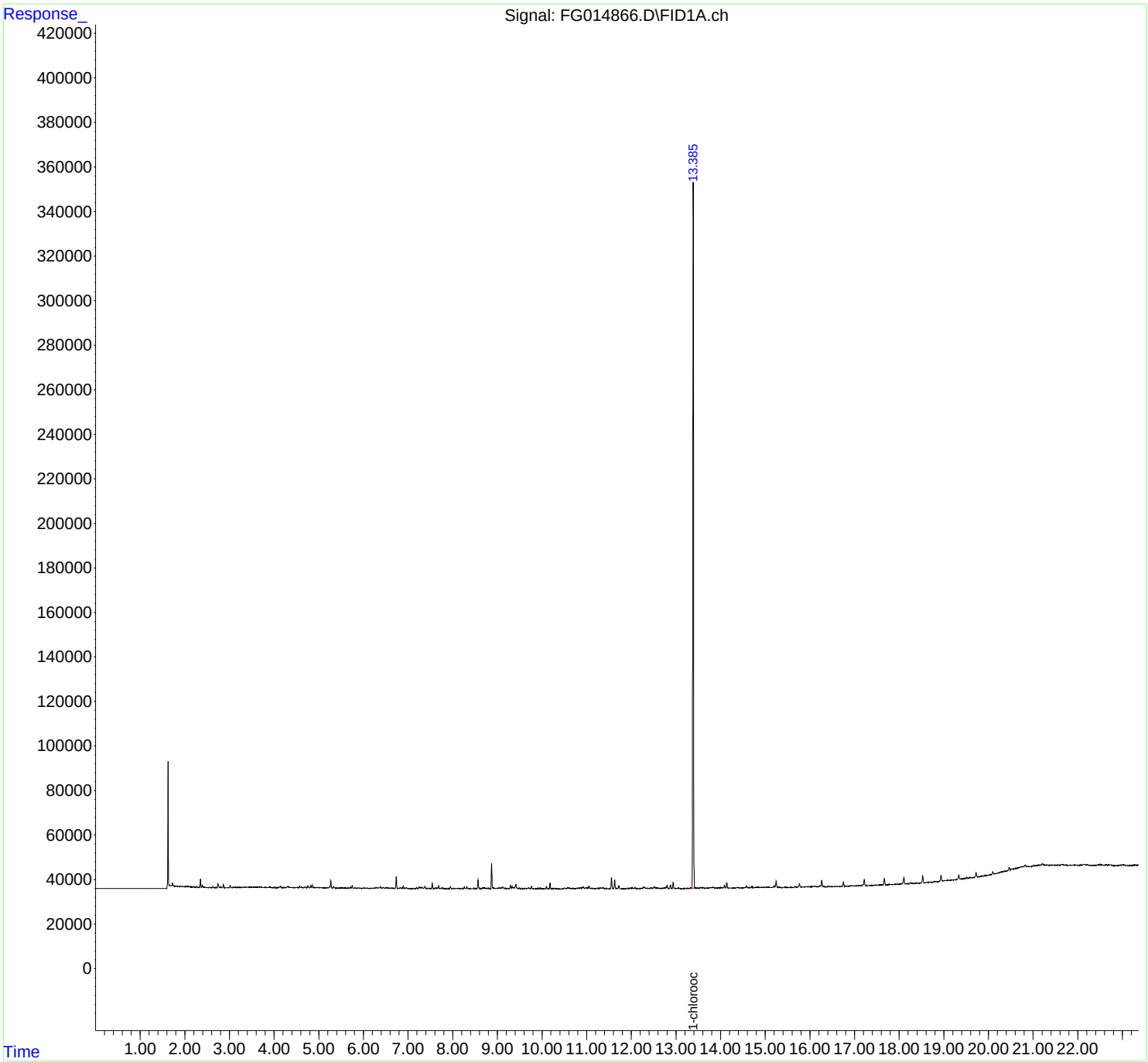
(f)=RT Delta > 1/2 Window (m)=manual int.

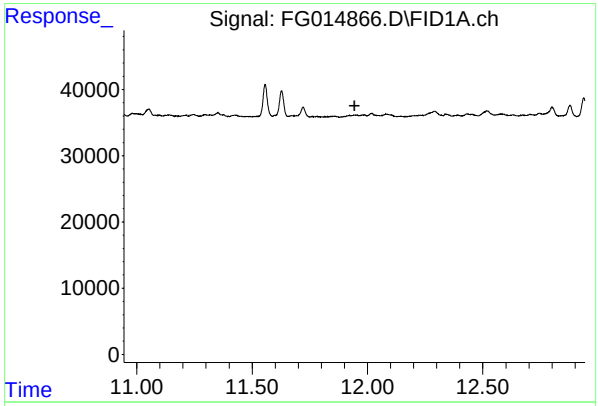
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014866.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 12:16
Operator : YP\AJ
Sample : P4860-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PH2-BOT-006

Integration File: autoint1.e
Quant Time: Nov 20 00:35:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 16:33:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

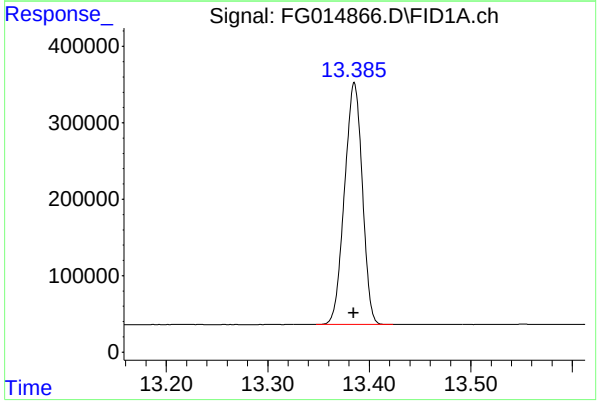




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.944 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
PH2-BOT-006



#12 1-chlorooctadecane (SURR)

R.T.: 13.385 min
Delta R.T.: 0.000 min
Response: 3851647
Conc: 34.66 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014866.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 12:16
Sample : P4860-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.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	5.271	5.223	5.304	BB	3502	45226	1.17%	1.073%
2	6.737	6.714	6.759	BB	5376	53873	1.40%	1.278%
3	8.569	8.545	8.593	BB	3795	39616	1.03%	0.940%
4	8.872	8.848	8.899	BB	11275	117755	3.06%	2.793%
5	11.556	11.529	11.588	BB	4826	60632	1.57%	1.438%
6	11.627	11.603	11.657	BB	3759	46620	1.21%	1.106%
7	13.385	13.348	13.423	BB	316862	3851647	100.00%	91.372%
			Sum of corrected areas:			4215370		

Aliphatic EPH 111424.M Wed Nov 20 01:23:34 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111924AR\
Data File : FF015097.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 12:16
Operator : YP\AJ
Sample : P4860-09
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PH2-BOT-006

Integration File: autoint1.e
Quant Time: Nov 20 01:47:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 111524.M
Quant Title : GC Extractables
QLast Update : Fri Nov 15 02:02:38 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...	7.988	6327225	51.813 ug/ml
Spiked Amount 50.000		Recovery = 103.63%	
6) S 2-Flurobiphenyl (SURR)	8.861	4096157	50.173 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 100.35%	
11) S ortho-Terphenyl (SURR)	11.922	3853118	28.724 ug/ml
Spiked Amount 50.000		Recovery = 57.45%	
Target Compounds			

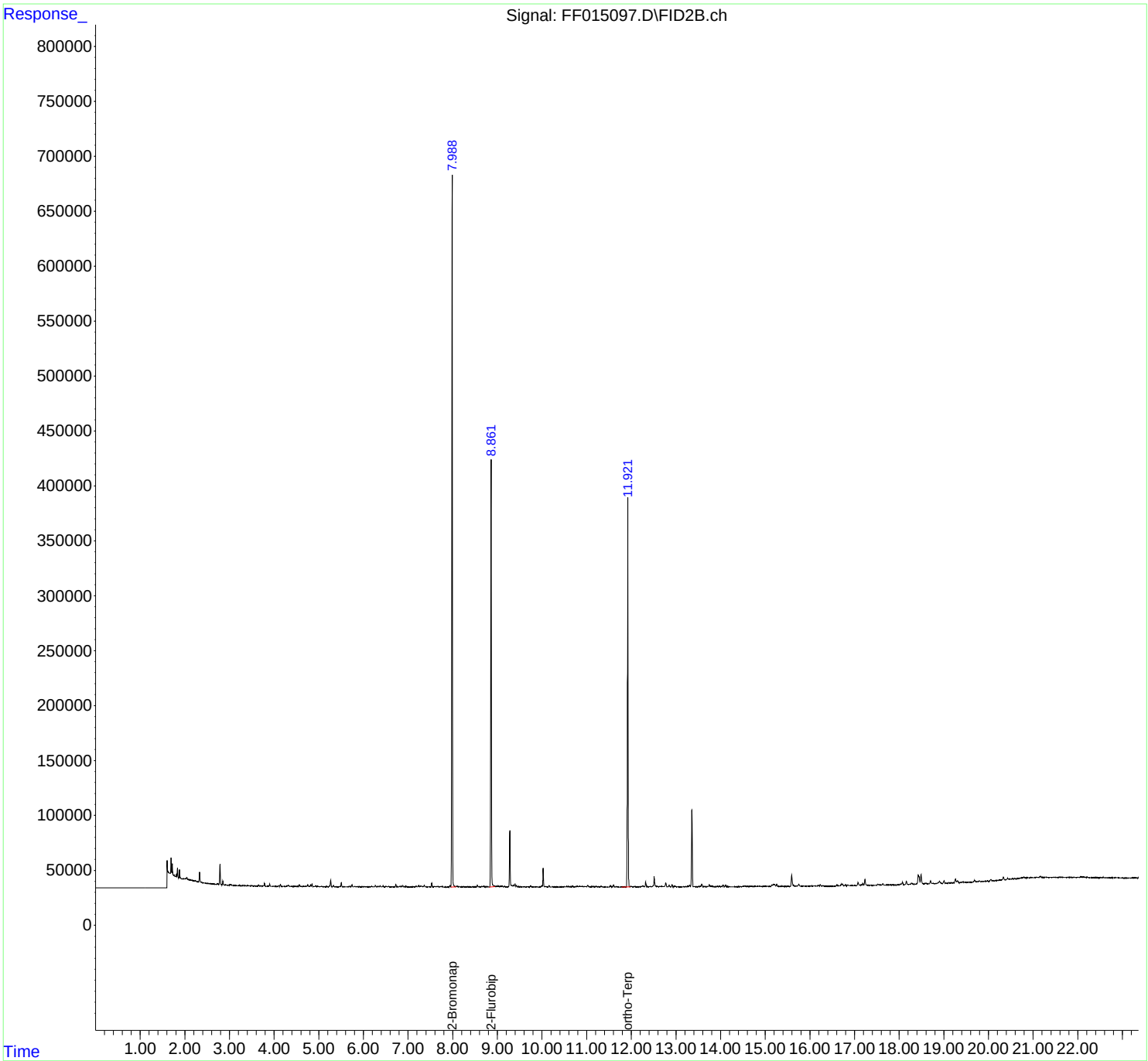
(f)=RT Delta > 1/2 Window (m)=manual int.

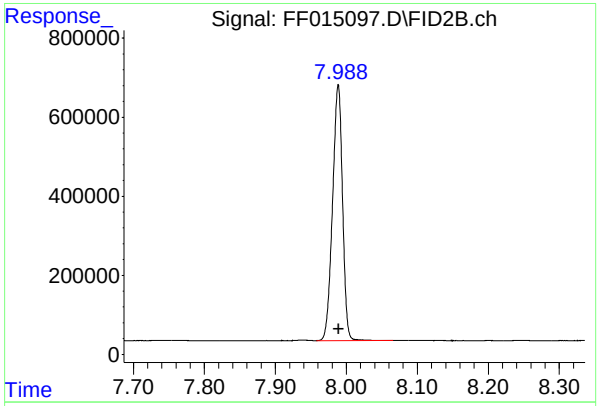
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111924AR\
Data File : FF015097.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 12:16
Operator : YP\AJ
Sample : P4860-09
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PH2-BOT-006

Integration File: autoint1.e
Quant Time: Nov 20 01:47:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 111524.M
Quant Title : GC Extractables
QLast Update : Fri Nov 15 02:02:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

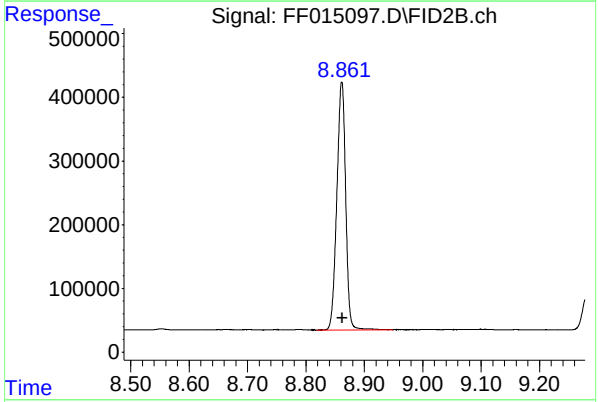




#4 2-Bromonaphthalene (SURR)

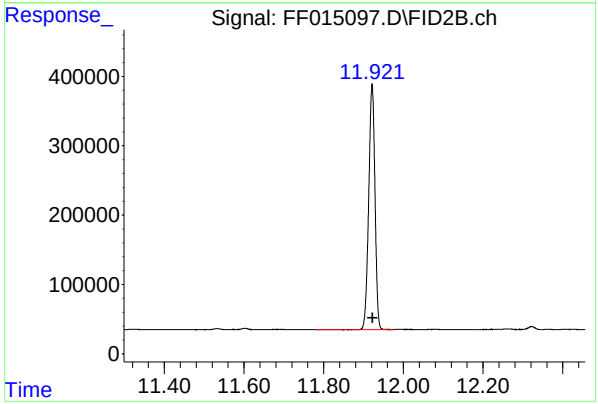
R.T.: 7.988 min
Delta R.T.: 0.000 min
Response: 6327225
Conc: 51.81 ug/ml

Instrument :
FID_F
ClientSampleId :
PH2-BOT-006



#6 2-Flurobiphenyl (SURR)

R.T.: 8.861 min
Delta R.T.: -0.001 min
Response: 4096157
Conc: 50.17 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.922 min
Delta R.T.: -0.002 min
Response: 3853118
Conc: 28.72 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111924AR\
Data File : FF015097.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 12:16
Sample : P4860-09
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 111524.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	4.566	4.536	4.587	BV	1720	18066	0.29%	0.104%
2	4.755	4.716	4.779	PV	1732	26028	0.41%	0.149%
3	4.818	4.779	4.834	VV	1721	18913	0.30%	0.109%
4	4.851	4.834	4.879	VB	2558	26037	0.41%	0.149%
5	5.267	5.211	5.297	BV	5897	80871	1.28%	0.464%
6	5.505	5.429	5.542	BB	3950	44157	0.70%	0.253%
7	5.745	5.719	5.766	VV	2015	22813	0.36%	0.131%
8	6.728	6.672	6.751	BV	2346	23934	0.38%	0.137%
9	7.366	7.332	7.414	VB	1705	24223	0.38%	0.139%
10	7.530	7.496	7.564	BV	3726	42657	0.67%	0.245%
11	7.988	7.957	8.066	PV	651270	6327225	100.00%	36.320%
12	8.861	8.817	8.949	BB	390381	4096157	64.74%	23.513%
13	9.281	9.239	9.342	BV	51339	553300	8.74%	3.176%
14	9.358	9.342	9.374	VV	1560	16356	0.26%	0.094%
15	9.396	9.374	9.416	VV	2305	27051	0.43%	0.155%
16	10.027	10.005	10.057	VV	17081	182840	2.89%	1.050%
17	11.603	11.556	11.636	VB	2028	28312	0.45%	0.163%
18	11.922	11.781	11.974	BV	352315	3853118	60.90%	22.118%
19	12.322	12.286	12.347	VV	4419	52292	0.83%	0.300%
20	12.512	12.457	12.609	BB	9636	142260	2.25%	0.817%
21	12.771	12.639	12.821	BB	3553	57448	0.91%	0.330%
22	12.911	12.876	12.934	PV	2108	25769	0.41%	0.148%
23	13.356	13.326	13.389	VV	69932	833620	13.18%	4.785%
24	13.576	13.496	13.614	BV	2479	41482	0.66%	0.238%
25	13.749	13.614	13.774	PB	1467	19303	0.31%	0.111%
26	14.109	14.084	14.151	PB	1755	24283	0.38%	0.139%
27	15.185	15.161	15.198	VV	2154	36683	0.58%	0.211%
28	15.257	15.237	15.292	VB	2031	27800	0.44%	0.160%
29	15.590	15.534	15.677	BB	10130	165609	2.62%	0.951%
30	15.750	15.682	15.802	BB	1795	27457	0.43%	0.158%
31	16.728	16.654	16.769	BV	1712	45902	0.73%	0.263%
32	17.077	16.952	17.127	BV	2641	39128	0.62%	0.225%
33	17.184	17.164	17.207	VV	1847	27322	0.43%	0.157%
34	17.232	17.207	17.284	VB	5317	76653	1.21%	0.440%
35	18.071	17.904	18.097	BB	2250	49627	0.78%	0.285%
36	18.160	18.124	18.202	BB	3225	46873	0.74%	0.269%

rteres

37	18.427	18.411	18.466	BV	6118	122342	1.93%	0.702%
38	18.488	18.466	18.539	VB	7562	105343	1.66%	0.605%
39	18.700	18.661	18.757	BB	2857	41619	0.66%	0.239%

Sum of corrected areas: 17420873

Aromatic EPH 111524.M Wed Nov 20 02:27:22 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014867.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 12:44
Operator : YP\AJ
Sample : P4860-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PH2-BOT-005

Integration File: autoint1.e
Quant Time: Nov 20 00:36:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 16:33:02 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...	13.386	3755030	33.790 ug/ml
Spiked Amount 50.000		Recovery = 67.58%	
Target Compounds			

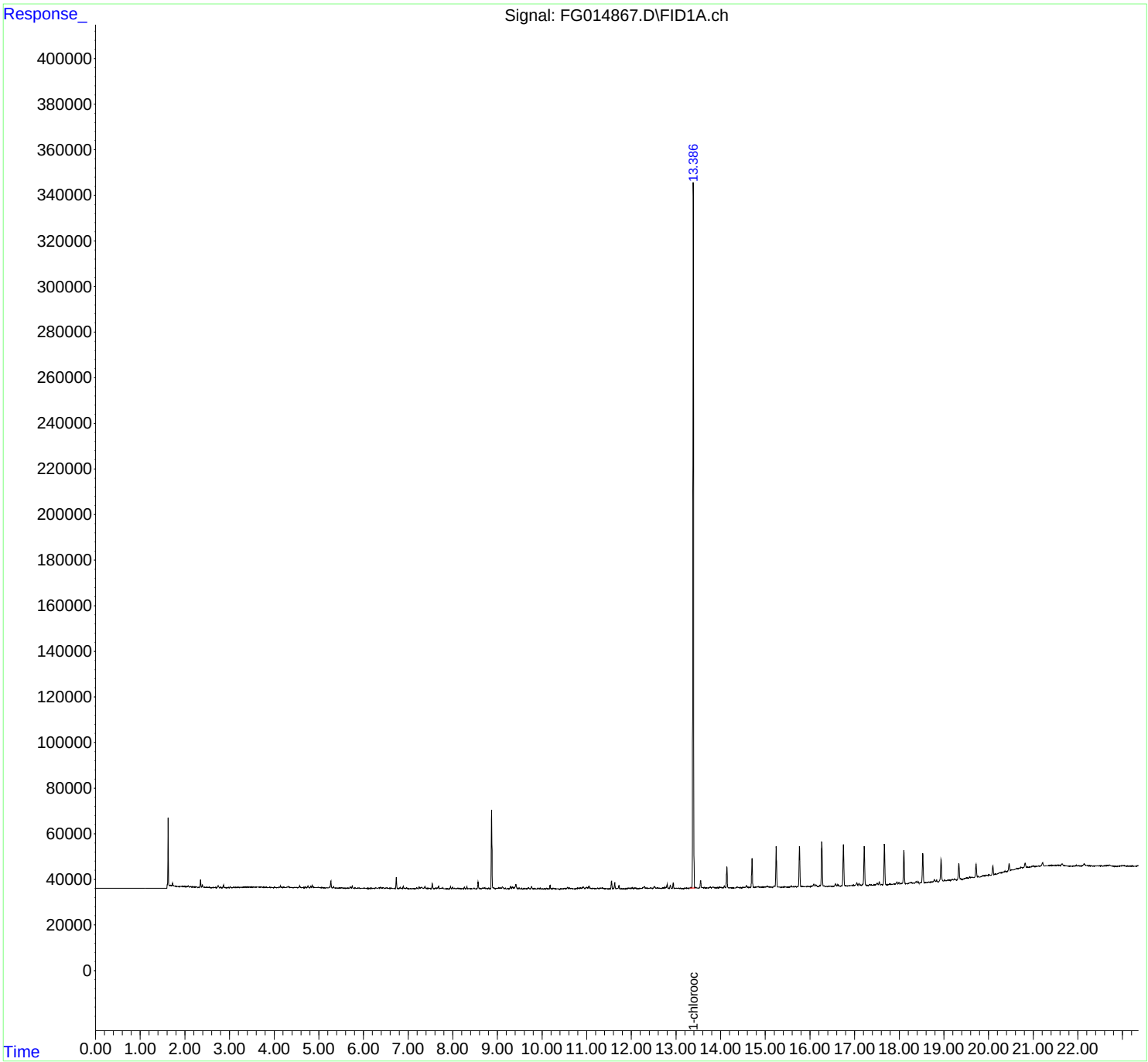
(f)=RT Delta > 1/2 Window (m)=manual int.

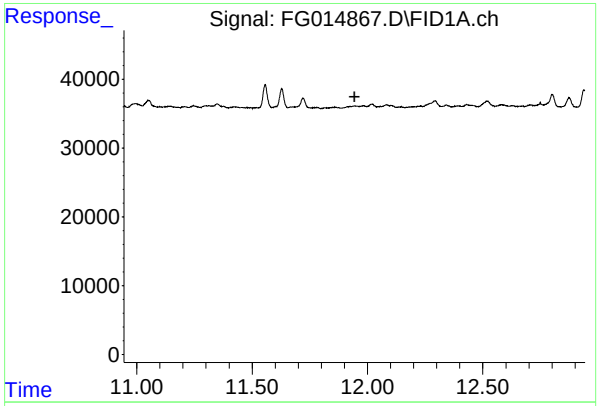
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014867.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 12:44
Operator : YP\AJ
Sample : P4860-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PH2-BOT-005

Integration File: autoint1.e
Quant Time: Nov 20 00:36:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 16:33:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

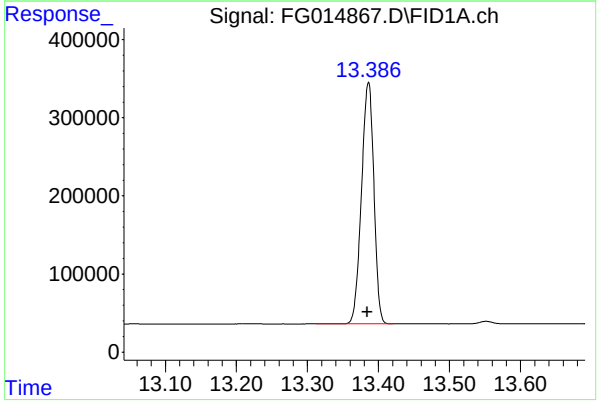




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.944 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
PH2-BOT-005



#12 1-chlorooctadecane (SURR)

R.T.: 13.386 min
Delta R.T.: 0.002 min
Response: 3755030
Conc: 33.79 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG111924AL\
Data File : FG014867.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 12:44
Sample : P4860-10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 111424.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	3.265	3.258	3.294	VV	78	1120	0.03%	0.010%
2	3.322	3.294	3.348	PV	300	4620	0.12%	0.040%
3	3.371	3.348	3.398	VV	118	3129	0.08%	0.027%
4	3.408	3.398	3.418	VV	118	1184	0.03%	0.010%
5	3.428	3.418	3.440	VV	146	1629	0.04%	0.014%
6	3.457	3.440	3.468	VV	167	2564	0.07%	0.022%
7	3.475	3.468	3.528	VV	175	5597	0.15%	0.048%
8	3.535	3.528	3.551	VV	184	2483	0.07%	0.021%
9	3.567	3.551	3.605	VV	226	6129	0.16%	0.053%
10	3.617	3.605	3.693	VV	237	10725	0.29%	0.093%
11	3.709	3.693	3.748	VV	339	6525	0.17%	0.056%
12	3.767	3.748	3.791	VV	210	3707	0.10%	0.032%
13	3.805	3.791	3.890	VV	142	5444	0.14%	0.047%
14	3.902	3.890	3.915	VV	147	1541	0.04%	0.013%
15	3.918	3.915	3.951	VV	121	1813	0.05%	0.016%
16	3.958	3.951	3.984	VV	108	1557	0.04%	0.013%
17	4.000	3.984	4.052	VV	153	4114	0.11%	0.036%
18	4.112	4.052	4.126	VV	401	6792	0.18%	0.059%
19	4.145	4.126	4.168	VV	792	8689	0.23%	0.075%
20	4.181	4.168	4.191	VV	178	2224	0.06%	0.019%
21	4.218	4.191	4.239	VV	360	6218	0.17%	0.054%
22	4.316	4.239	4.380	VV	681	21822	0.58%	0.189%
23	4.392	4.380	4.418	VV	225	3736	0.10%	0.032%
24	4.517	4.418	4.541	VV	216	11514	0.31%	0.100%
25	4.569	4.541	4.621	VV	864	16065	0.43%	0.139%
26	4.635	4.621	4.668	VV	230	5102	0.14%	0.044%
27	4.695	4.668	4.728	VV	506	9196	0.24%	0.080%
28	4.759	4.728	4.796	VV	955	14970	0.40%	0.130%
29	4.820	4.796	4.837	VV	899	11119	0.30%	0.096%
30	4.854	4.837	4.944	VV	1363	25785	0.69%	0.223%
31	4.956	4.944	4.968	VV	282	3704	0.10%	0.032%
32	4.984	4.968	5.049	VV	455	13551	0.36%	0.117%
33	5.063	5.049	5.131	VV	264	7897	0.21%	0.068%
34	5.138	5.131	5.165	VV	124	1921	0.05%	0.017%
35	5.184	5.165	5.204	VV	301	4111	0.11%	0.036%
36	5.215	5.204	5.224	VV	193	1879	0.05%	0.016%

rteres

37	5.271	5.224	5.301	VV	3175	44597	1.19%	0.386%
38	5.332	5.301	5.370	VV	710	10783	0.29%	0.093%
39	5.388	5.370	5.417	VV	115	2442	0.06%	0.021%
40	5.480	5.417	5.499	PV	181	4401	0.12%	0.038%
41	5.516	5.499	5.557	VV	322	5015	0.13%	0.043%
42	5.574	5.557	5.601	VV	130	2019	0.05%	0.017%
43	5.611	5.601	5.635	VV	80	864	0.02%	0.007%
44	5.642	5.635	5.652	VV	93	621	0.02%	0.005%
45	5.669	5.652	5.688	VV	143	1807	0.05%	0.016%
46	5.707	5.688	5.725	VV	660	7659	0.20%	0.066%
47	5.751	5.725	5.791	VV	1104	13752	0.37%	0.119%
48	5.811	5.791	5.835	VV	354	4030	0.11%	0.035%
49	5.849	5.835	5.869	VV	112	1694	0.05%	0.015%
50	5.898	5.869	5.956	VV	232	6179	0.16%	0.053%
51	5.965	5.956	5.986	VV	97	1375	0.04%	0.012%
52	6.014	5.986	6.107	VV	212	6752	0.18%	0.058%
53	6.135	6.107	6.163	VV	96	1838	0.05%	0.016%
54	6.191	6.163	6.211	PV	163	2001	0.05%	0.017%
55	6.232	6.211	6.255	VV	135	2385	0.06%	0.021%
56	6.277	6.255	6.311	VV	330	7169	0.19%	0.062%
57	6.339	6.311	6.356	VV	357	5576	0.15%	0.048%
58	6.383	6.356	6.415	VV	674	10487	0.28%	0.091%
59	6.448	6.415	6.481	VV	444	9372	0.25%	0.081%
60	6.520	6.481	6.547	VV	357	9176	0.24%	0.079%
61	6.566	6.547	6.592	VV	184	3264	0.09%	0.028%
62	6.621	6.592	6.668	VV	195	4623	0.12%	0.040%
63	6.700	6.668	6.715	VV	100	2369	0.06%	0.020%
64	6.737	6.715	6.803	VV	5073	54481	1.45%	0.471%
65	6.825	6.803	6.848	VV	577	6826	0.18%	0.059%
66	6.860	6.848	6.873	VV	303	3023	0.08%	0.026%
67	6.892	6.873	6.912	VV	998	11087	0.29%	0.096%
68	6.927	6.912	6.947	VV	334	4030	0.11%	0.035%
69	6.966	6.947	6.989	VV	509	5425	0.14%	0.047%
70	7.001	6.989	7.011	VV	41	485	0.01%	0.004%
71	7.027	7.011	7.043	VV	93	784	0.02%	0.007%
72	7.073	7.043	7.092	PV	129	1896	0.05%	0.016%
73	7.115	7.092	7.138	VV	141	2106	0.06%	0.018%
74	7.144	7.138	7.168	VV	132	1178	0.03%	0.010%
75	7.194	7.168	7.227	VV	593	7269	0.19%	0.063%
76	7.248	7.227	7.283	VV	866	15322	0.41%	0.133%
77	7.299	7.283	7.348	VV	654	15976	0.42%	0.138%
78	7.378	7.348	7.399	VV	1094	16549	0.44%	0.143%
79	7.416	7.399	7.438	VV	242	4132	0.11%	0.036%
80	7.460	7.438	7.472	VV	296	4171	0.11%	0.036%
81	7.485	7.472	7.505	VV	274	3741	0.10%	0.032%
82	7.511	7.505	7.521	VV	134	1056	0.03%	0.009%
83	7.543	7.521	7.580	VV	2346	27828	0.74%	0.241%
84	7.604	7.580	7.614	VV	343	4669	0.12%	0.040%
85	7.624	7.614	7.638	VV	302	3445	0.09%	0.030%
86	7.653	7.638	7.665	VV	507	5814	0.15%	0.050%
87	7.685	7.665	7.708	VV	1216	15479	0.41%	0.134%
88	7.724	7.708	7.733	VV	259	3011	0.08%	0.026%
89	7.751	7.733	7.764	VV	387	5343	0.14%	0.046%

rteres

90	7.779	7.764	7.809	VV	558	6791	0.18%	0.059%
91	7.852	7.809	7.879	VV	169	4225	0.11%	0.037%
92	7.898	7.879	7.919	VV	119	1502	0.04%	0.013%
93	7.952	7.919	7.976	PV	1009	11730	0.31%	0.101%
94	8.000	7.976	8.019	VV	871	9734	0.26%	0.084%
95	8.037	8.019	8.073	VV	245	5573	0.15%	0.048%
96	8.114	8.073	8.137	VV	252	6501	0.17%	0.056%
97	8.148	8.137	8.198	VV	263	5412	0.14%	0.047%
98	8.216	8.198	8.238	VV	227	3097	0.08%	0.027%
99	8.261	8.238	8.288	VV	816	9956	0.26%	0.086%
100	8.317	8.288	8.338	VV	1015	11931	0.32%	0.103%
101	8.355	8.338	8.375	VV	197	3043	0.08%	0.026%
102	8.387	8.375	8.454	VV	256	5523	0.15%	0.048%
103	8.474	8.454	8.504	VV	410	5739	0.15%	0.050%
104	8.512	8.504	8.538	VV	132	1826	0.05%	0.016%
105	8.569	8.538	8.644	VV	3155	41165	1.09%	0.356%
106	8.683	8.644	8.708	VV	491	12868	0.34%	0.111%
107	8.720	8.708	8.744	VV	520	6903	0.18%	0.060%
108	8.764	8.744	8.786	VV	420	5720	0.15%	0.049%
109	8.806	8.786	8.839	VV	520	6380	0.17%	0.055%
110	8.872	8.839	8.910	VV	34694	361170	9.60%	3.125%
111	8.920	8.910	8.961	VV	544	10088	0.27%	0.087%
112	8.988	8.961	9.005	VV	341	7350	0.20%	0.064%
113	9.033	9.005	9.049	VV	549	11046	0.29%	0.096%
114	9.063	9.049	9.077	VV	503	6932	0.18%	0.060%
115	9.112	9.077	9.158	VV	960	25115	0.67%	0.217%
116	9.176	9.158	9.204	VV	446	5488	0.15%	0.047%
117	9.230	9.204	9.254	VV	377	5655	0.15%	0.049%
118	9.295	9.254	9.315	VV	1167	17778	0.47%	0.154%
119	9.335	9.315	9.369	VV	964	20367	0.54%	0.176%
120	9.416	9.369	9.465	VV	2077	45771	1.22%	0.396%
121	9.486	9.465	9.513	VV	637	8520	0.23%	0.074%
122	9.535	9.513	9.568	VV	458	6252	0.17%	0.054%
123	9.617	9.568	9.661	VV	326	10115	0.27%	0.088%
124	9.702	9.661	9.741	VV	557	13750	0.37%	0.119%
125	9.766	9.741	9.803	VV	1143	18248	0.49%	0.158%
126	9.822	9.803	9.831	VV	251	2756	0.07%	0.024%
127	9.839	9.831	9.884	VV	238	5420	0.14%	0.047%
128	9.906	9.884	9.941	VV	518	8495	0.23%	0.074%
129	9.959	9.941	10.000	VV	563	8400	0.22%	0.073%
130	10.015	10.000	10.034	VV	259	2747	0.07%	0.024%
131	10.047	10.034	10.071	VV	165	2067	0.05%	0.018%
132	10.099	10.071	10.157	VV	505	8663	0.23%	0.075%
133	10.180	10.157	10.218	VV	1672	20542	0.55%	0.178%
134	10.252	10.218	10.300	VV	373	11563	0.31%	0.100%
135	10.327	10.300	10.410	VV	232	8217	0.22%	0.071%
136	10.429	10.410	10.438	PV	123	1584	0.04%	0.014%
137	10.459	10.438	10.473	VV	266	3628	0.10%	0.031%
138	10.504	10.473	10.521	VV	388	7712	0.20%	0.067%
139	10.527	10.521	10.540	VV	279	2730	0.07%	0.024%
140	10.573	10.540	10.595	VV	819	15008	0.40%	0.130%
141	10.612	10.595	10.632	VV	577	9066	0.24%	0.078%

rteres

142	10.657	10.632	10.685	VV	369	8526	0.23%	0.074%
143	10.698	10.685	10.708	VV	221	2621	0.07%	0.023%
144	10.715	10.708	10.730	VV	219	2311	0.06%	0.020%
145	10.741	10.730	10.758	VV	197	2569	0.07%	0.022%
146	10.784	10.758	10.798	VV	463	7473	0.20%	0.065%
147	10.819	10.798	10.834	VV	435	8247	0.22%	0.071%
148	10.855	10.834	10.885	VV	596	14232	0.38%	0.123%
149	10.920	10.885	10.960	VV	1038	26622	0.71%	0.230%
150	10.995	10.960	11.024	VV	757	21278	0.57%	0.184%
151	11.051	11.024	11.089	VV	1187	26451	0.70%	0.229%
152	11.097	11.089	11.120	VV	289	4867	0.13%	0.042%
153	11.144	11.120	11.188	VV	361	10728	0.29%	0.093%
154	11.207	11.188	11.228	VV	284	5511	0.15%	0.048%
155	11.245	11.228	11.277	VV	429	8638	0.23%	0.075%
156	11.313	11.277	11.326	VV	433	10620	0.28%	0.092%
157	11.348	11.326	11.397	VV	693	16471	0.44%	0.143%
158	11.423	11.397	11.502	VV	265	10393	0.28%	0.090%
159	11.512	11.502	11.528	VV	150	1771	0.05%	0.015%
160	11.556	11.528	11.586	VV	3496	46783	1.24%	0.405%
161	11.628	11.586	11.656	VV	2872	41052	1.09%	0.355%
162	11.676	11.656	11.684	VV	244	3484	0.09%	0.030%
163	11.721	11.684	11.758	VV	1521	24592	0.65%	0.213%
164	11.781	11.758	11.797	VV	177	2495	0.07%	0.022%
165	11.815	11.797	11.823	PV	99	887	0.02%	0.008%
166	11.859	11.823	11.886	VV	202	4345	0.12%	0.038%
167	11.944	11.886	11.965	VV	369	11170	0.30%	0.097%
168	11.983	11.965	11.998	VV	414	6204	0.16%	0.054%
169	12.020	11.998	12.041	VV	612	10749	0.29%	0.093%
170	12.083	12.041	12.131	VV	518	16852	0.45%	0.146%
171	12.147	12.131	12.162	VV	219	2775	0.07%	0.024%
172	12.292	12.162	12.325	VV	1080	39231	1.04%	0.339%
173	12.341	12.325	12.364	VV	444	7253	0.19%	0.063%
174	12.392	12.364	12.409	VV	291	6753	0.18%	0.058%
175	12.431	12.409	12.481	VV	498	14287	0.38%	0.124%
176	12.519	12.481	12.558	VV	977	25179	0.67%	0.218%
177	12.582	12.558	12.618	VV	478	12424	0.33%	0.107%
178	12.627	12.618	12.650	VV	334	5047	0.13%	0.044%
179	12.670	12.650	12.682	VV	228	4145	0.11%	0.036%
180	12.708	12.682	12.725	VV	398	8144	0.22%	0.070%
181	12.749	12.725	12.764	VV	671	10471	0.28%	0.091%
182	12.801	12.764	12.838	VV	1933	34358	0.91%	0.297%
183	12.874	12.838	12.910	VV	1443	23140	0.62%	0.200%
184	12.938	12.910	12.966	VV	2587	33019	0.88%	0.286%
185	12.976	12.966	12.988	VV	225	2557	0.07%	0.022%
186	12.999	12.988	13.034	VV	247	4942	0.13%	0.043%
187	13.055	13.034	13.132	VV	308	8258	0.22%	0.071%
188	13.141	13.132	13.172	PV	53	720	0.02%	0.006%
189	13.224	13.172	13.248	VV	306	8305	0.22%	0.072%
190	13.331	13.248	13.347	VV	536	13957	0.37%	0.121%
191	13.386	13.347	13.422	VV	308253	3762168	100.00%	32.552%
192	13.442	13.422	13.480	VV	512	11560	0.31%	0.100%
193	13.490	13.480	13.501	VV	250	2663	0.07%	0.023%
194	13.551	13.501	13.586	VV	3482	51918	1.38%	0.449%

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195	13.605	13.586	13.644	VV	421	11442	0.30%	0.099%
196	13.674	13.644	13.705	VV	299	7659	0.20%	0.066%
197	13.773	13.705	13.797	VV	531	16109	0.43%	0.139%
198	13.826	13.797	13.869	VV	561	17682	0.47%	0.153%
199	13.895	13.869	13.914	VV	276	5866	0.16%	0.051%
200	13.990	13.914	14.033	VV	426	20305	0.54%	0.176%
201	14.052	14.033	14.065	VV	354	5043	0.13%	0.044%
202	14.084	14.065	14.107	VV	1021	14525	0.39%	0.126%
203	14.138	14.107	14.181	VV	9416	119042	3.16%	1.030%
204	14.196	14.181	14.265	VV	205	6206	0.16%	0.054%
205	14.270	14.265	14.302	VV	105	1639	0.04%	0.014%
206	14.374	14.302	14.397	PV	461	11719	0.31%	0.101%
207	14.410	14.397	14.449	VV	211	5495	0.15%	0.048%
208	14.471	14.449	14.487	VV	209	3728	0.10%	0.032%
209	14.502	14.487	14.520	VV	268	3867	0.10%	0.033%
210	14.575	14.520	14.615	VV	993	23261	0.62%	0.201%
211	14.635	14.615	14.652	VV	244	4783	0.13%	0.041%
212	14.702	14.652	14.747	VV	12909	165586	4.40%	1.433%
213	14.839	14.747	14.888	VV	458	24707	0.66%	0.214%
214	14.905	14.888	14.931	VV	319	6436	0.17%	0.056%
215	14.958	14.931	14.993	VV	300	9168	0.24%	0.079%
216	15.017	14.993	15.034	VV	404	7629	0.20%	0.066%
217	15.050	15.034	15.075	VV	599	10332	0.27%	0.089%
218	15.098	15.075	15.115	VV	291	5720	0.15%	0.049%
219	15.130	15.115	15.155	VV	162	2753	0.07%	0.024%
220	15.198	15.155	15.213	VV	743	11533	0.31%	0.100%
221	15.243	15.213	15.358	VV	18020	238625	6.34%	2.065%
222	15.365	15.358	15.372	VV	66	296	0.01%	0.003%
223	15.387	15.372	15.398	VV	85	727	0.02%	0.006%
224	15.420	15.398	15.430	VV	135	1906	0.05%	0.016%
225	15.445	15.430	15.459	VV	159	2269	0.06%	0.020%
226	15.468	15.459	15.528	VV	92	2926	0.08%	0.025%
227	15.579	15.528	15.601	VV	579	8863	0.24%	0.077%
228	15.628	15.601	15.645	VV	305	4602	0.12%	0.040%
229	15.675	15.645	15.704	VV	288	5859	0.16%	0.051%
230	15.764	15.704	15.875	VV	17842	248516	6.61%	2.150%
231	15.943	15.875	15.973	VV	283	9685	0.26%	0.084%
232	15.985	15.973	16.015	VV	172	3468	0.09%	0.030%
233	16.087	16.015	16.111	VV	1241	28424	0.76%	0.246%
234	16.134	16.111	16.178	VV	822	16893	0.45%	0.146%
235	16.189	16.178	16.197	VV	151	1318	0.04%	0.011%
236	16.225	16.197	16.235	VV	611	8114	0.22%	0.070%
237	16.265	16.235	16.305	VV	19650	270703	7.20%	2.342%
238	16.311	16.305	16.343	VV	314	4540	0.12%	0.039%
239	16.361	16.343	16.371	PV	129	1398	0.04%	0.012%
240	16.458	16.371	16.476	VV	209	7863	0.21%	0.068%
241	16.492	16.476	16.531	VV	174	3675	0.10%	0.032%
242	16.575	16.531	16.600	VV	1159	21388	0.57%	0.185%
243	16.624	16.600	16.685	VV	882	17156	0.46%	0.148%
244	16.748	16.685	16.782	PV	18280	253802	6.75%	2.196%
245	16.793	16.782	16.821	VV	298	4886	0.13%	0.042%
246	16.828	16.821	16.845	VV	180	1991	0.05%	0.017%

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247	16.875	16.845	16.887	VV	245	4074	0.11%	0.035%
248	16.916	16.887	16.937	VV	257	6588	0.18%	0.057%
249	16.974	16.937	16.985	VV	386	8259	0.22%	0.071%
250	16.992	16.985	17.001	VV	307	2621	0.07%	0.023%
251	17.049	17.001	17.071	VV	1293	26897	0.71%	0.233%
252	17.098	17.071	17.125	VV	992	18840	0.50%	0.163%
253	17.138	17.125	17.153	VV	374	4860	0.13%	0.042%
254	17.215	17.153	17.290	VV	17235	251768	6.69%	2.178%
255	17.343	17.290	17.361	VV	470	8816	0.23%	0.076%
256	17.375	17.361	17.397	VV	235	3335	0.09%	0.029%
257	17.453	17.397	17.468	VV	325	7932	0.21%	0.069%
258	17.505	17.468	17.528	VV	971	19110	0.51%	0.165%
259	17.552	17.528	17.580	VV	1435	20867	0.55%	0.181%
260	17.601	17.580	17.625	VV	333	4375	0.12%	0.038%
261	17.667	17.625	17.728	VV	18070	248419	6.60%	2.149%
262	17.782	17.728	17.835	PV	385	12043	0.32%	0.104%
263	17.842	17.835	17.848	VV	186	1225	0.03%	0.011%
264	17.881	17.848	17.908	VV	298	7366	0.20%	0.064%
265	17.948	17.908	17.971	VV	1097	20020	0.53%	0.173%
266	17.994	17.971	18.017	VV	856	12565	0.33%	0.109%
267	18.053	18.017	18.061	VV	366	6694	0.18%	0.058%
268	18.103	18.061	18.135	VV	14723	201673	5.36%	1.745%
269	18.155	18.135	18.170	VV	170	2694	0.07%	0.023%
270	18.180	18.170	18.188	VV	170	1291	0.03%	0.011%
271	18.252	18.188	18.267	VV	464	14232	0.38%	0.123%
272	18.276	18.267	18.313	VV	468	8336	0.22%	0.072%
273	18.323	18.313	18.338	VV	252	2298	0.06%	0.020%
274	18.376	18.338	18.399	VV	885	16036	0.43%	0.139%
275	18.422	18.399	18.463	VV	799	13031	0.35%	0.113%
276	18.526	18.463	18.564	VV	12985	184909	4.91%	1.600%
277	18.586	18.564	18.593	PV	73	650	0.02%	0.006%
278	18.618	18.593	18.635	VV	271	3758	0.10%	0.033%
279	18.658	18.635	18.686	VV	293	6076	0.16%	0.053%
280	18.695	18.686	18.715	VV	137	2059	0.05%	0.018%
281	18.788	18.715	18.812	VV	1111	26138	0.69%	0.226%
282	18.836	18.812	18.878	VV	707	12273	0.33%	0.106%
283	18.936	18.878	18.988	PV	9872	158206	4.21%	1.369%
284	19.017	18.988	19.054	VV	579	10696	0.28%	0.093%
285	19.087	19.054	19.115	VV	475	10915	0.29%	0.094%
286	19.135	19.115	19.155	VV	268	4794	0.13%	0.041%
287	19.191	19.155	19.215	VV	615	12031	0.32%	0.104%
288	19.241	19.215	19.275	VV	571	10257	0.27%	0.089%
289	19.334	19.275	19.400	PV	7248	116969	3.11%	1.012%
290	19.507	19.400	19.547	VV	531	22168	0.59%	0.192%
291	19.583	19.547	19.603	VV	758	16363	0.43%	0.142%
292	19.628	19.603	19.664	VV	640	14846	0.39%	0.128%
293	19.720	19.664	19.751	VV	6067	100637	2.67%	0.871%
294	19.764	19.751	19.801	VV	506	10719	0.28%	0.093%
295	19.896	19.801	19.925	VV	625	33957	0.90%	0.294%
296	19.962	19.925	19.983	VV	741	21258	0.57%	0.184%
297	20.008	19.983	20.054	VV	803	25828	0.69%	0.223%
298	20.096	20.054	20.128	VV	4520	82575	2.19%	0.714%
299	20.153	20.128	20.171	VV	832	19384	0.52%	0.168%

					rteres			
300	20.279	20.171	20.298	VV	1171	73598	1.96%	0.637%
301	20.326	20.298	20.348	VV	1398	37612	1.00%	0.325%
302	20.370	20.348	20.401	VV	1584	45474	1.21%	0.393%
303	20.460	20.401	20.491	VV	4654	126454	3.36%	1.094%
304	20.522	20.491	20.542	VV	1943	55152	1.47%	0.477%
305	20.643	20.542	20.655	VV	2198	133926	3.56%	1.159%
306	20.733	20.655	20.758	VV	2560	143371	3.81%	1.241%
307	20.819	20.758	20.864	VV	4242	180224	4.79%	1.559%
308	20.874	20.864	20.883	VV	2320	25663	0.68%	0.222%
309	20.891	20.883	20.915	VV	2258	43315	1.15%	0.375%
310	21.007	20.915	21.045	VV	2524	183864	4.89%	1.591%
311	21.061	21.045	21.090	VV	2280	60581	1.61%	0.524%
312	21.124	21.090	21.144	VV	2304	72304	1.92%	0.626%
313	21.209	21.144	21.261	VV	3592	176545	4.69%	1.528%
314	21.291	21.261	21.308	VV	2099	57724	1.53%	0.499%
315	21.328	21.308	21.354	VV	2037	55809	1.48%	0.483%
316	21.376	21.354	21.384	VV	1972	34268	0.91%	0.297%
317	21.401	21.384	21.413	VV	1970	34066	0.91%	0.295%
318	21.434	21.413	21.471	VV	1939	65650	1.75%	0.568%
319	21.483	21.471	21.521	VV	1846	52848	1.40%	0.457%
320	21.544	21.521	21.595	VV	1846	74835	1.99%	0.648%
321	21.647	21.595	21.766	VV	2205	148379	3.94%	1.284%
322	21.771	21.766	21.807	VV	981	22077	0.59%	0.191%
323	21.825	21.807	21.868	VV	840	26940	0.72%	0.233%
324	21.877	21.868	21.901	VV	658	12929	0.34%	0.112%
325	21.960	21.901	21.975	VV	744	28578	0.76%	0.247%
326	22.050	21.975	22.064	VV	476	26232	0.70%	0.227%
327	22.082	22.064	22.091	VV	375	5828	0.15%	0.050%
328	22.144	22.091	22.251	VBA	1003	50579	1.34%	0.438%
					Sum of corrected areas:	11557322		

Aliphatic EPH 111424.M Wed Nov 20 01:28:08 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111924AR\
Data File : FF015098.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 12:44
Operator : YP\AJ
Sample : P4860-10
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PH2-BOT-005

Integration File: autoint1.e
Quant Time: Nov 20 01:47:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 111524.M
Quant Title : GC Extractables
QLast Update : Fri Nov 15 02:02:38 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...	7.988	6398539	52.397 ug/ml
Spiked Amount 50.000		Recovery = 104.79%	
6) S 2-Flurobiphenyl (SURR)	8.861	3905320	47.835 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 95.67%	
11) S ortho-Terphenyl (SURR)	11.922	3854256	28.732 ug/ml
Spiked Amount 50.000		Recovery = 57.46%	
Target Compounds			

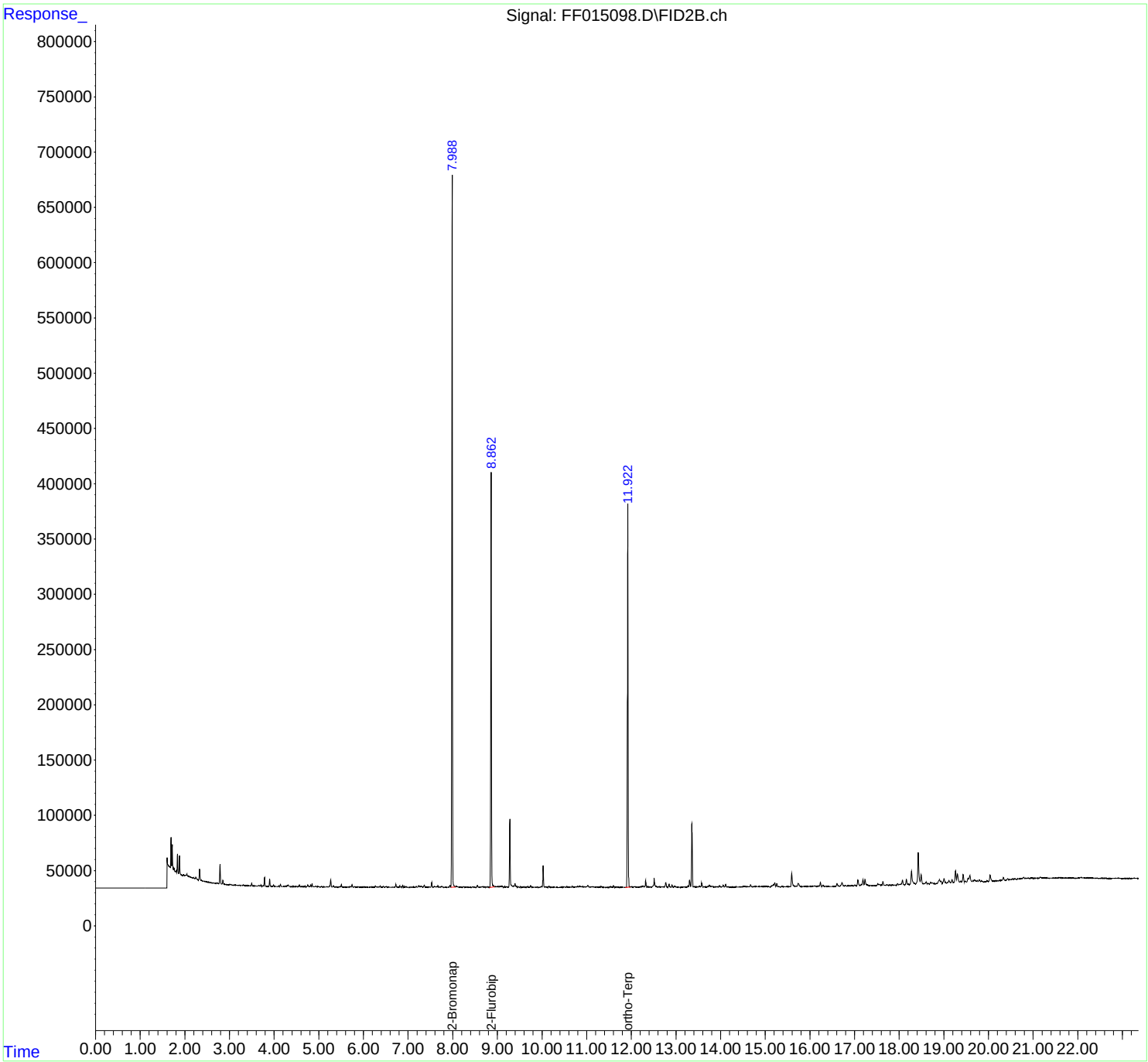
(f)=RT Delta > 1/2 Window (m)=manual int.

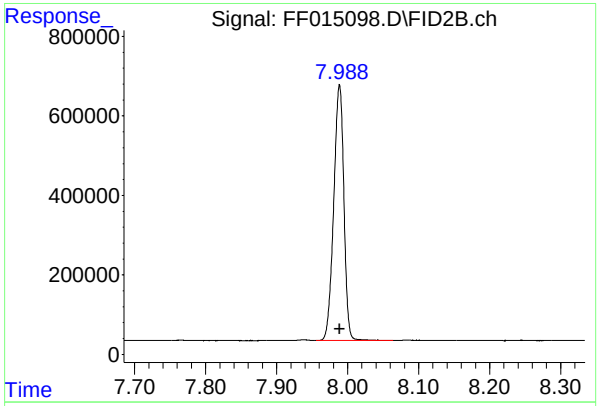
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111924AR\
Data File : FF015098.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 12:44
Operator : YP\AJ
Sample : P4860-10
Misc :
ALS Vial : 75 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PH2-BOT-005

Integration File: autoint1.e
Quant Time: Nov 20 01:47:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 111524.M
Quant Title : GC Extractables
QLast Update : Fri Nov 15 02:02:38 2024
Response via : Initial Calibration
Integrator: ChemStation

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

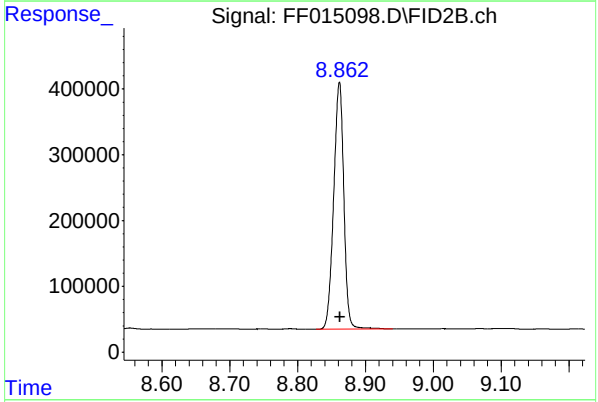




#4 2-Bromonaphthalene (SURR)

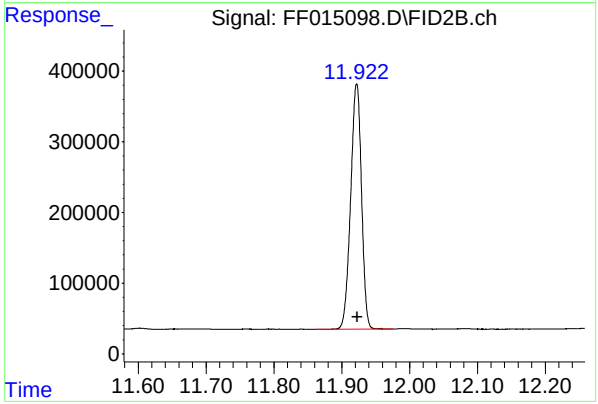
R.T.: 7.988 min
Delta R.T.: 0.000 min
Response: 6398539
Conc: 52.40 ug/ml

Instrument :
FID_F
ClientSampleId :
PH2-BOT-005



#6 2-Flurobiphenyl (SURR)

R.T.: 8.861 min
Delta R.T.: 0.000 min
Response: 3905320
Conc: 47.84 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.922 min
Delta R.T.: -0.001 min
Response: 3854256
Conc: 28.73 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111924AR\
Data File : FF015098.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 12:44
Sample : P4860-10
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 111524.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	4.567	4.535	4.622	BB	1724	21143	0.33%	0.117%
2	4.756	4.720	4.779	BV	1956	24467	0.38%	0.136%
3	4.818	4.779	4.834	VV	1806	20042	0.31%	0.111%
4	4.851	4.834	4.872	VB	2812	28047	0.44%	0.156%
5	5.268	5.210	5.294	BV	6601	90301	1.41%	0.501%
6	5.506	5.489	5.550	VB	2312	24087	0.38%	0.134%
7	5.746	5.720	5.770	VV	2378	24597	0.38%	0.136%
8	6.728	6.654	6.754	BV	2566	27686	0.43%	0.154%
9	6.882	6.864	6.902	VV	1793	17508	0.27%	0.097%
10	7.365	7.334	7.415	PB	2067	28301	0.44%	0.157%
11	7.530	7.499	7.560	BV	4400	49773	0.78%	0.276%
12	7.938	7.900	7.955	BV	1729	16702	0.26%	0.093%
13	7.988	7.955	8.064	PV	645425	6398539	100.00%	35.480%
14	8.553	8.497	8.600	BB	1695	19064	0.30%	0.106%
15	8.861	8.827	8.940	BB	377660	3905320	61.03%	21.655%
16	9.281	9.239	9.345	BV	61426	661738	10.34%	3.669%
17	9.397	9.374	9.419	VV	2859	35497	0.55%	0.197%
18	10.026	10.005	10.064	VV	19624	207117	3.24%	1.148%
19	11.922	11.862	11.975	BV	347582	3854256	60.24%	21.372%
20	12.322	12.292	12.345	VV	6053	70647	1.10%	0.392%
21	12.513	12.452	12.614	BB	8351	134001	2.09%	0.743%
22	12.771	12.640	12.810	BV	4140	68558	1.07%	0.380%
23	12.845	12.810	12.875	PV	3094	39286	0.61%	0.218%
24	12.911	12.875	12.935	PV	1981	23519	0.37%	0.130%
25	13.304	13.280	13.327	VV	6249	76457	1.19%	0.424%
26	13.356	13.327	13.388	VV	57427	691618	10.81%	3.835%
27	13.576	13.551	13.617	VV	3734	50449	0.79%	0.280%
28	13.749	13.617	13.772	PB	1280	17631	0.28%	0.098%
29	14.057	14.000	14.080	PV	1712	26186	0.41%	0.145%
30	14.110	14.080	14.154	PB	2391	32833	0.51%	0.182%
31	14.671	14.617	14.714	BB	1843	22794	0.36%	0.126%
32	15.211	15.090	15.235	BV	3682	97852	1.53%	0.543%
33	15.257	15.235	15.290	VB	2904	38566	0.60%	0.214%
34	15.590	15.530	15.670	BB	11910	189704	2.96%	1.052%
35	15.735	15.692	15.810	BB	2728	63458	0.99%	0.352%
36	16.233	16.209	16.265	VV	3468	46551	0.73%	0.258%

rteres

37	16.605	16.542	16.662	BB	2429	39535	0.62%	0.219%
38	16.718	16.669	16.772	BV	3160	62012	0.97%	0.344%
39	17.074	17.037	17.125	PV	5399	90785	1.42%	0.503%
40	17.186	17.160	17.210	VV	5262	82943	1.30%	0.460%
41	17.233	17.210	17.297	VB	5540	89003	1.39%	0.494%
42	17.520	17.395	17.538	BV	1073	-3251	-0.05%	-0.018%
43	17.634	17.592	17.689	BB	3376	46462	0.73%	0.258%
44	18.072	17.986	18.107	VV	4312	84476	1.32%	0.468%
45	18.160	18.107	18.220	PB	4863	73162	1.14%	0.406%
46	18.274	18.220	18.280	BBA	3320	-28489	-0.45%	-0.158%
47	18.425	18.410	18.467	BV	21004	250491	3.91%	1.389%
48	18.490	18.467	18.537	PV	6934	91994	1.44%	0.510%
49	18.702	18.660	18.722	BV	1318	10712	0.17%	0.059%

Sum of corrected areas: 18034130

Aromatic EPH 111524.M Wed Nov 20 02:27:42 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067807.D
Signal(s) : FID1A.ch
Acq On : 18 Nov 2024 15:27
Operator : YP/AJ
Sample : PB165032BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165032BL

Integration File: sample.E
Quant Time: Nov 19 04:55:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 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...	12.930	5471332	37.691 ug/ml
Spiked Amount 50.000		Recovery = 75.38%	
Target Compounds			

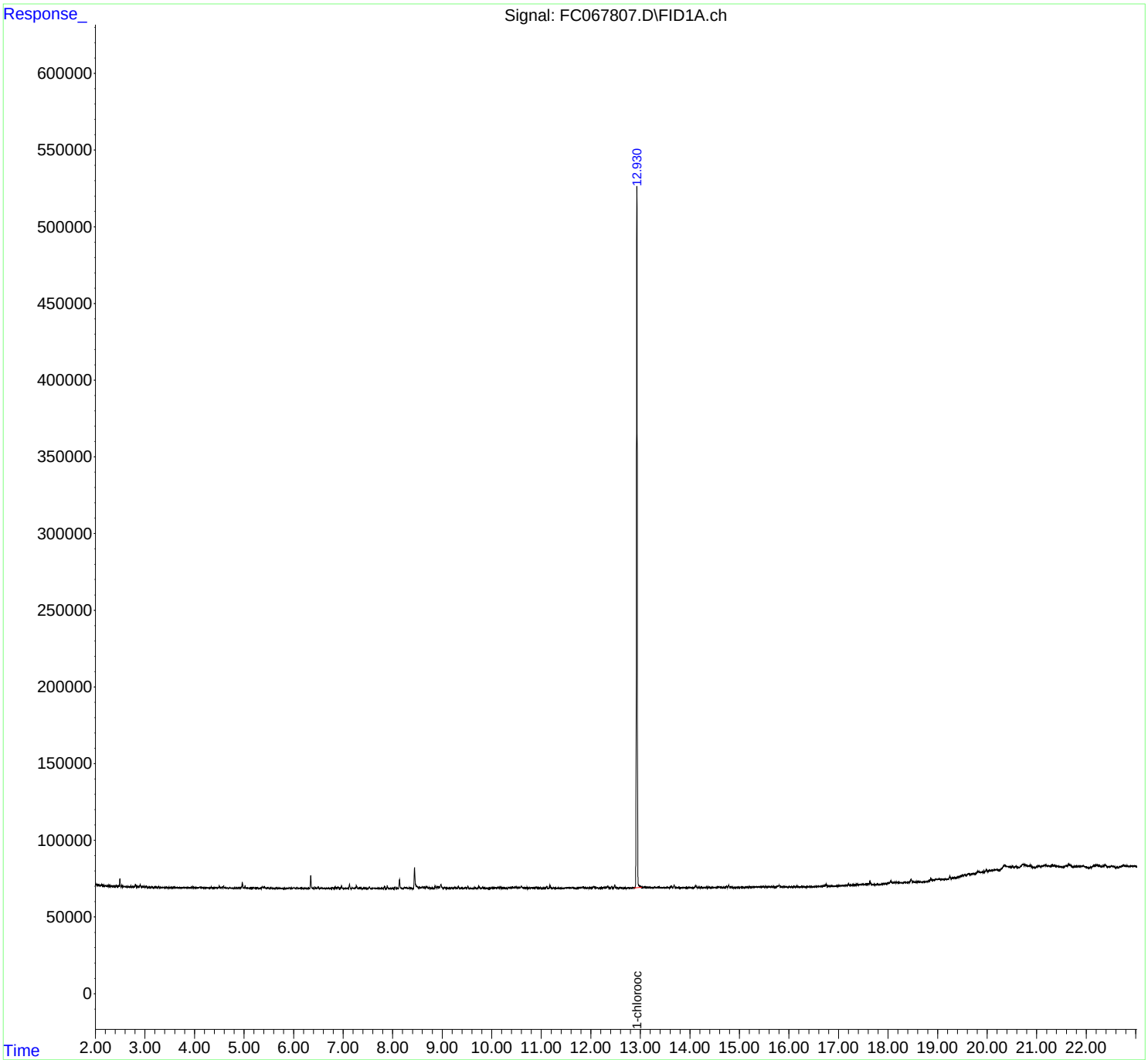
(f)=RT Delta > 1/2 Window (m)=manual int.

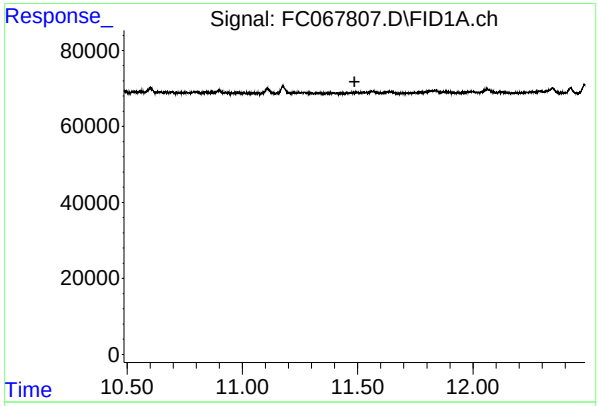
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067807.D
Signal(s) : FID1A.ch
Acq On : 18 Nov 2024 15:27
Operator : YP/AJ
Sample : PB165032BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165032BL

Integration File: sample.E
Quant Time: Nov 19 04:55:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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

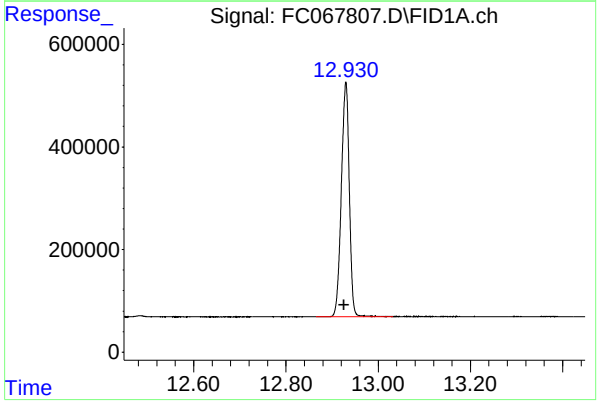




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.486 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB165032BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.930 min
Delta R.T.: 0.004 min
Response: 5471332
Conc: 37.69 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067807.D
Signal(s) : FID1A.ch
Acq On : 18 Nov 2024 15:27
Sample : PB165032BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	12.930	12.865	13.032	BB	459778	5471332	100.00%	100.000%

Sum of corrected areas: 5471332

Aliphatic EPH 111424.M Tue Nov 19 05:23:19 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048766.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 15:27
Operator : YP/AJ
Sample : PB165032BL
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165032BL

Integration File: sample.E
Quant Time: Nov 19 05:55:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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...	7.367	9167743	52.072 ug/ml
Spiked Amount 50.000		Recovery = 104.14%	
6) S 2-Flurobiphenyl (SURR)	8.216	5897989	51.211 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 102.42%	
11) S ortho-Terphenyl (SURR)	11.255	9202508	47.846 ug/ml
Spiked Amount 50.000		Recovery = 95.69%	
Target Compounds			

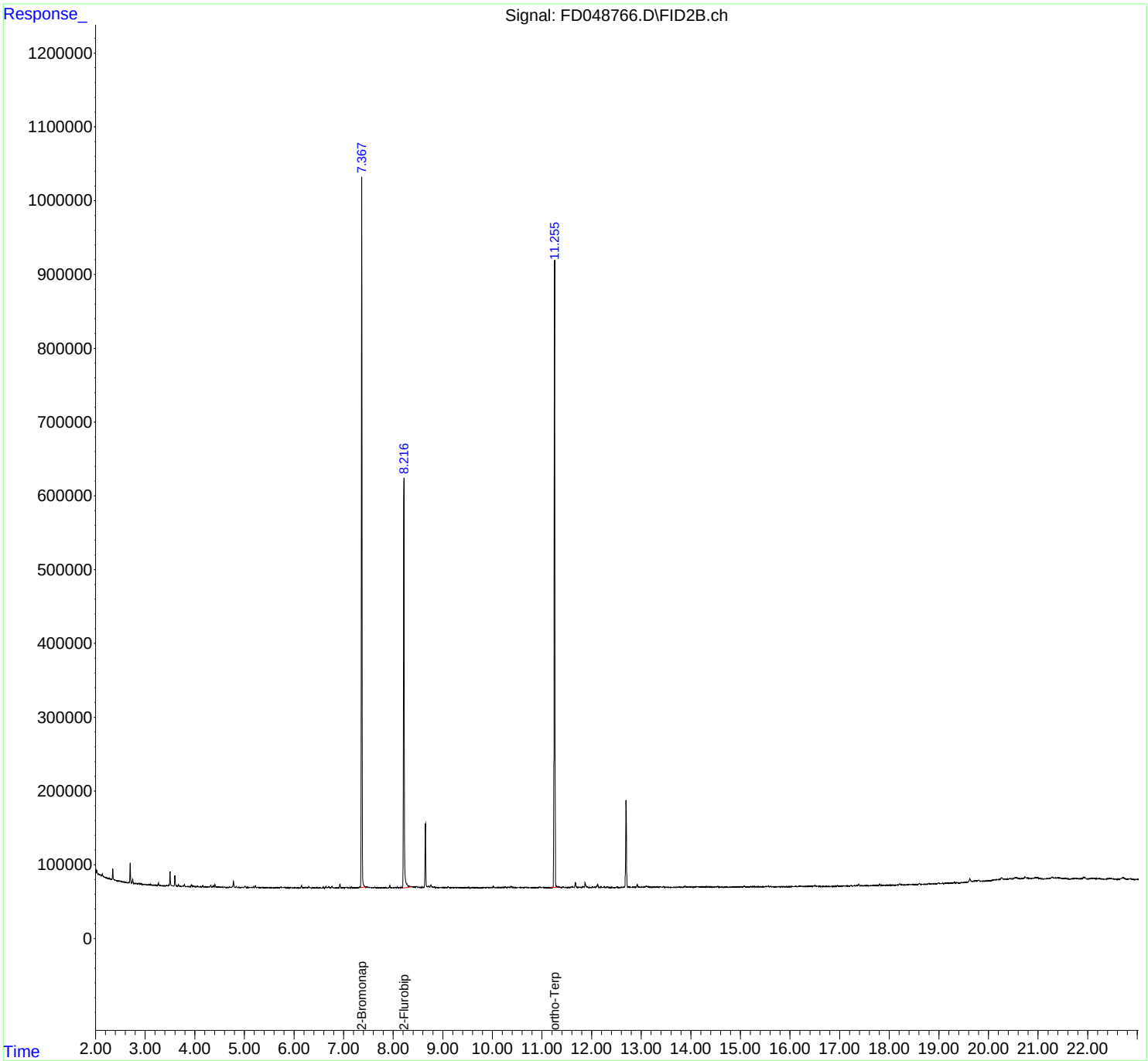
(f)=RT Delta > 1/2 Window (m)=manual int.

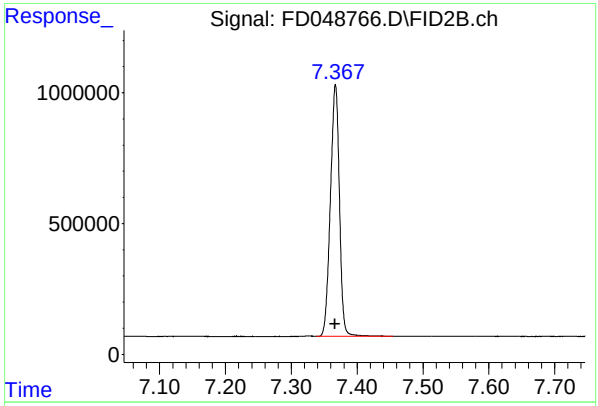
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048766.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 15:27
Operator : YP/AJ
Sample : PB165032BL
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165032BL

Integration File: sample.E
Quant Time: Nov 19 05:55:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

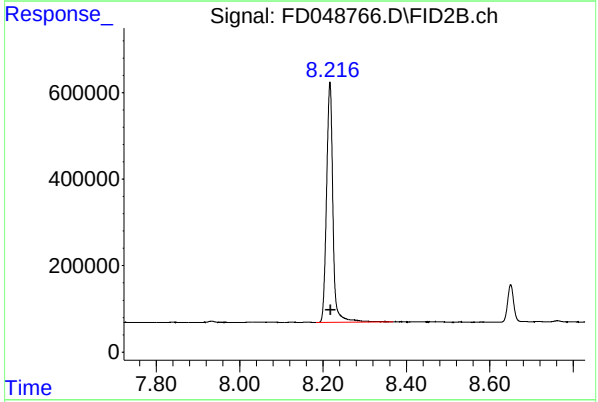




#4 2-Bromonaphthalene (SURR)

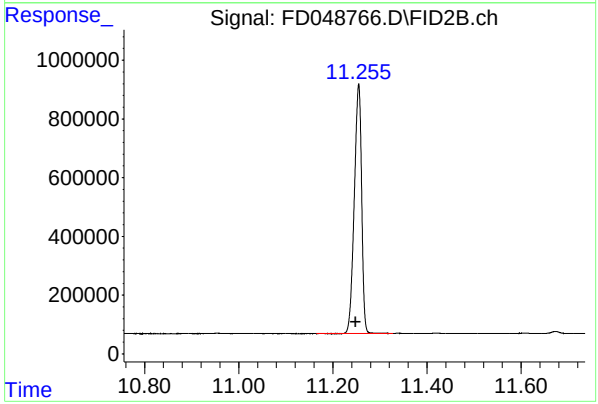
R.T.: 7.367 min
Delta R.T.: 0.000 min
Response: 9167743
Conc: 52.07 ug/ml

Instrument :
FID_D
ClientSampleId :
PB165032BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.216 min
Delta R.T.: -0.002 min
Response: 5897989
Conc: 51.21 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.255 min
Delta R.T.: 0.006 min
Response: 9202508
Conc: 47.85 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048766.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 15:27
Sample : PB165032BL
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	7.367	7.338	7.454	VB	966257	9167743	99.62%	37.777%
2	8.216	8.183	8.368	PB	559678	5897989	64.09%	24.303%
3	11.255	11.164	11.328	BV	849454	9202508	100.00%	37.920%
			Sum of corrected areas:			24268241		

Aromatic EPH 111424.M Tue Nov 19 06:16:19 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067808.D
Signal(s) : FID1A.ch
Acq On : 18 Nov 2024 16:03
Operator : YP/AJ
Sample : PB165032BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165032BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File: sample.E
Quant Time: Nov 19 04:55:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 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...	12.930	4728305	32.573 ug/ml
Spiked Amount	50.000		Recovery =	65.15%
	Target Compounds			
1) T	n-Nonane (C9)	3.275	4201336	25.757 ug/ml
2) T	n-Decane (C10)	4.336	5318827	32.074 ug/ml
4) T	n-Dodecane (C12)	6.350	6374072	37.845 ug/ml
6) T	n-Tetradecane (C14)	8.143	6743982	40.269 ug/ml
7) T	n-Hexadecane (C16)	9.741	6829435	39.409 ug/ml
8) T	n-Octadecane (C18)	11.181	6973343	39.635 ug/ml
10) T	n-Eicosane (C20)	12.489	6948691	41.266 ug/ml
11) T	n-Heneicosane (C21)	13.099	6626527	40.273 ug/ml
13) T	n-Docosane (C22)	13.684	6516169	40.013 ug/ml
14) T	n-Tetracosane (C24)	14.786	6265085	39.064 ug/ml
15) T	n-Hexacosane (C26)	15.804	6001566	38.754 ug/ml
16) T	n-Octacosane (C28)	16.752	5807215	38.452 ug/ml
17) T	n-Tricontane (C30)	17.640	5683424	37.120 ug/ml
18) T	n-Dotriacontane (C32)	18.471	5539429	37.507 ug/ml
19) T	n-Tetratriacontane (C34)	19.252	5319803	42.177 ug/ml
20) T	n-Hexatriacontane (C36)	19.990	5069997	48.476 ug/ml
21) T	n-Octatriacontane (C38)	20.712	5099821	52.207 ug/ml
22) T	n-Tetracontane (C40)	21.596	5079880	52.119 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

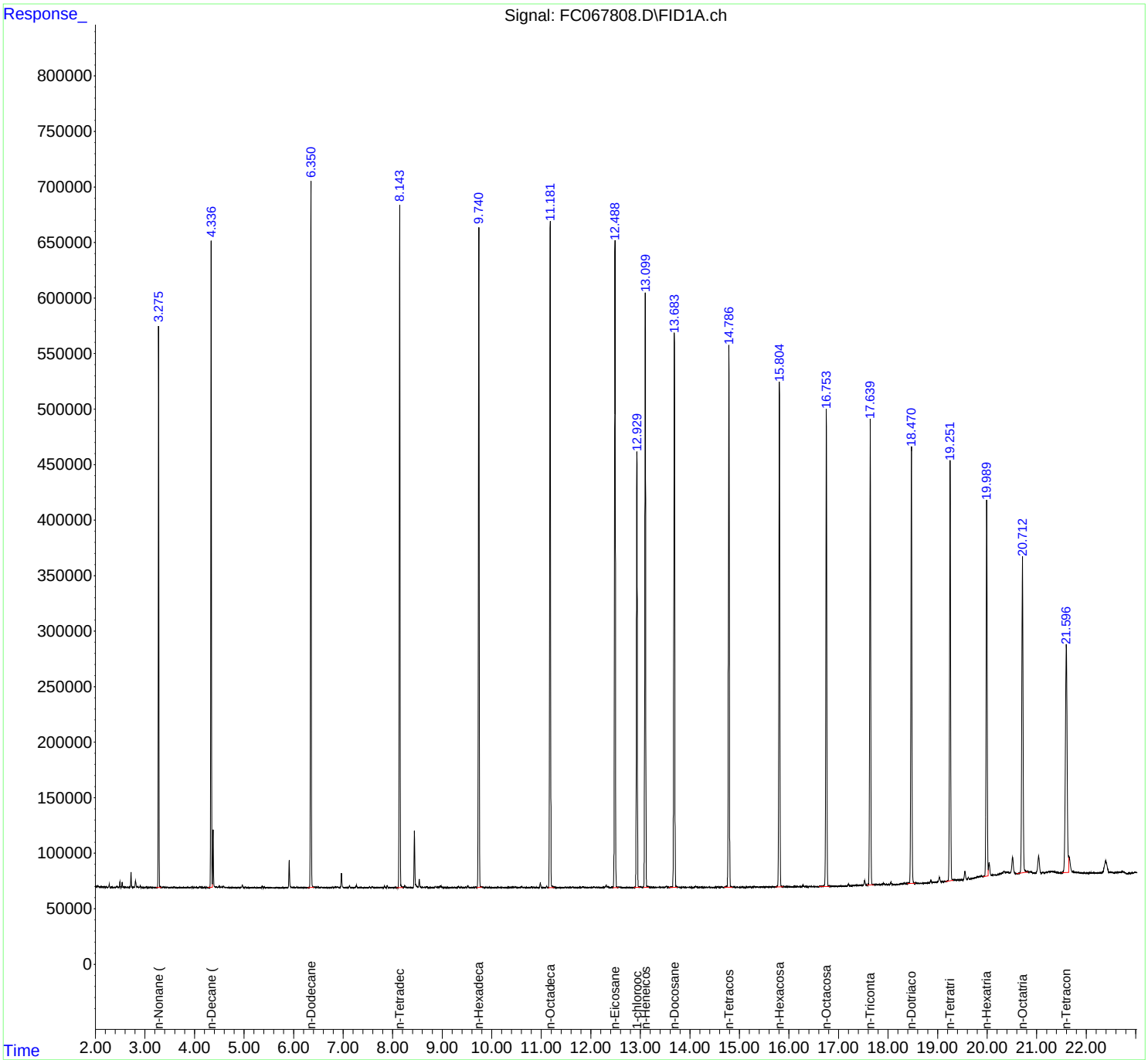
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067808.D
Signal(s) : FID1A.ch
Acq On : 18 Nov 2024 16:03
Operator : YP/AJ
Sample : PB165032BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165032BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File: sample.E
Quant Time: Nov 19 04:55:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 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 :
PB165032BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11182
Data File : FC067808.D
Signal(s) : FID1A.ch
Acq On : 18 Nov 2024 16:03
Sample : PB165032BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.275	3.222	3.335	BB	506407	4201336	60.25%	3.770%
2	4.336	4.273	4.359	BV	583096	5318827	76.27%	4.773%
3	6.350	6.283	6.412	BV	635505	6374072	91.41%	5.720%
4	8.143	8.083	8.208	BB	611882	6743982	96.71%	6.051%
5	9.741	9.690	9.802	BB	594045	6829435	97.94%	6.128%
6	11.181	11.137	11.262	BB	599999	6973343	100.00%	6.257%
7	12.489	12.447	12.557	PB	583904	6948691	99.65%	6.235%
8	12.930	12.867	12.990	BB	391881	4728305	67.81%	4.243%
9	13.099	13.058	13.173	BB	532866	6626527	95.03%	5.946%
10	13.684	13.575	13.752	BB	498791	6516169	93.44%	5.847%
11	14.786	14.697	14.857	BB	488980	6265085	89.84%	5.622%
12	15.804	15.727	15.878	BB	452909	6001566	86.06%	5.385%
13	16.752	16.603	16.828	BB	429238	5807215	83.28%	5.211%
14	17.640	17.572	17.713	BB	420967	5683424	81.50%	5.100%
15	18.471	18.390	18.550	BB	393599	5539429	79.44%	4.971%
16	19.252	19.158	19.313	BV	376107	5319803	76.29%	4.774%
17	19.990	19.927	20.022	BV	334276	5069997	72.71%	4.549%
18	20.712	20.597	20.830	BB	283632	5099821	73.13%	4.576%
19	21.598	21.447	21.792	BB	204461	5396267	77.38%	4.842%
			Sum of corrected areas:			111443294		

Aliphatic EPH 111424.M Tue Nov 19 05:23:55 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048767.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 16:03
Operator : YP/AJ
Sample : PB165032BS
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165032BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File: sample.E
Quant Time: Nov 19 05:56:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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...	7.367	8116373	46.100 ug/ml
Spiked Amount	50.000		Recovery =	92.20%
6) S	2-Flurobiphenyl (SURR)	8.217	4810184	41.766 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	83.53%
11) S	ortho-Terphenyl (SURR)	11.254	7565444	39.335 ug/ml
Spiked Amount	50.000		Recovery =	78.67%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.191	6776592	35.957 ug/ml
2) T	Naphthalene (C11.7)	5.707	8096022	41.396 ug/ml
3) T	2-Methylnaphthalene (...	6.754	7937438	41.534 ug/ml
5) T	Acenaphthylene (C15.06)	8.021	9048934	46.662 ug/ml
7) T	Acenaphthene (C15.5)	8.317	9416523	48.956 ug/ml
8) T	Flouorene (C16.55)	9.095	9287223	48.408 ug/ml
9) T	Phenanthrene (C19.36)	10.483	9151486	49.925 ug/ml
10) T	Anthracene (C19.43)	10.560	9193681	49.093 ug/ml
12) T	Fluoranthene (C21.85)	12.289	9152055	49.978 ug/mlm
13) T	Pyrene (C20.8)	12.583	8960843	49.564 ug/ml
14) T	Benzo[a]anthracene (C...	14.453	8425160	51.216 ug/ml
15) T	Chrysene (C27.41)	14.496	8326129	47.574 ug/ml
16) T	benzo[b]fluoranthene ...	16.001	8027372	51.091 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.036	7963511	48.797 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.377	7583422	50.862 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.744	7431556	60.160 ug/ml
20) T	Dibenz[a,h]anthracene...	17.781	7116213	45.380 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.996	7152340	50.126 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

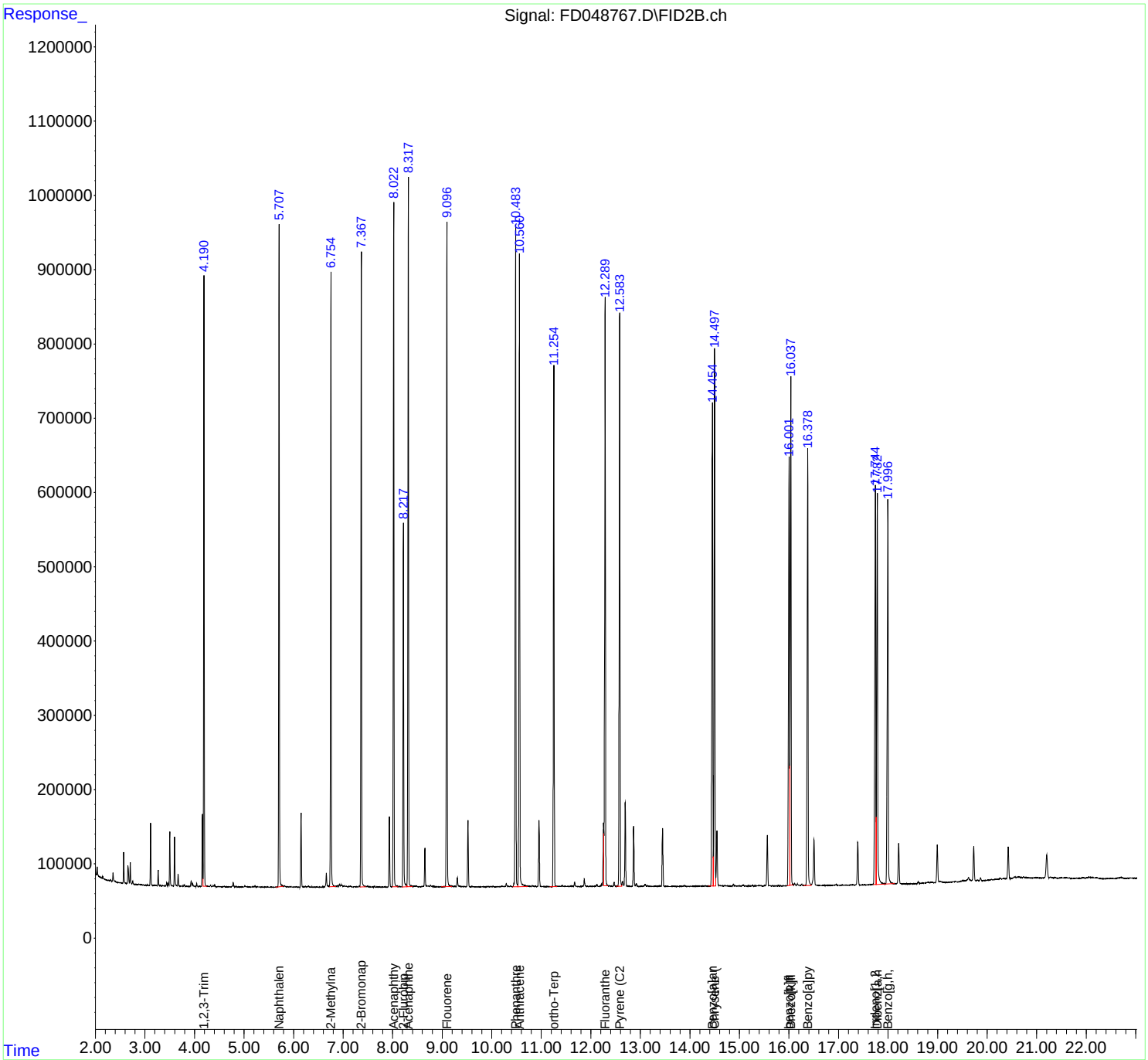
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048767.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 16:03
Operator : YP/AJ
Sample : PB165032BS
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165032BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File: sample.E
Quant Time: Nov 19 05:56:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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 :
PB165032BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11182
Data File : FD048767.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 16:03
Sample : PB165032BS
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.191	4.172	4.258	VV	821858	6776592	67.92%	3.978%
2	5.707	5.638	5.798	BV	893368	8096022	81.15%	4.752%
3	6.754	6.721	6.858	VB	827460	7937438	79.56%	4.659%
4	7.367	7.338	7.458	VB	857947	8116373	81.35%	4.764%
5	8.021	7.991	8.111	BB	917429	9048934	90.70%	5.312%
6	8.217	8.184	8.288	PV	489784	4810184	48.21%	2.823%
7	8.317	8.288	8.404	VB	961795	9416523	94.39%	5.527%
8	9.095	8.974	9.201	BB	876354	9287223	93.09%	5.451%
9	10.483	10.418	10.528	BV	900664	9151486	91.73%	5.372%
10	10.560	10.528	10.728	VB	864022	9193681	92.15%	5.397%
11	11.254	11.168	11.324	BV	702134	7565444	75.83%	4.441%
12	12.289	12.230	12.384	VB	783198	9976630	100.00%	5.856%
13	12.583	12.514	12.622	BV	758395	8960843	89.82%	5.260%
14	14.453	14.374	14.472	BV	658669	8425160	84.45%	4.945%
15	14.496	14.472	14.522	VV	729574	8326129	83.46%	4.887%
16	16.001	15.961	16.016	BV	578832	8027372	80.46%	4.712%
17	16.036	16.016	16.095	VV	668081	7963511	79.82%	4.674%
18	16.377	16.288	16.450	BV	589233	7583422	76.01%	4.451%
19	17.744	17.701	17.759	BV	540528	7431556	74.49%	4.362%
20	17.781	17.759	17.951	VB	520450	7116213	71.33%	4.177%
21	17.996	17.951	18.131	BB	504256	7152340	71.69%	4.198%

Sum of corrected areas: 170363077

Aromatic EPH 111424.M Tue Nov 19 06:16:55 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067809.D
Signal(s) : FID1A.ch
Acq On : 18 Nov 2024 16:39
Operator : YP/AJ
Sample : PB165032BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165032BSD

Integration File: sample.E
Quant Time: Nov 19 04:55:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 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...	12.929	4658064	32.089 ug/ml
Spiked Amount	50.000		Recovery =	64.18%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	4169652	25.563 ug/ml
2) T	n-Decane (C10)	4.336	5305498	31.993 ug/ml
4) T	n-Dodecane (C12)	6.350	6369928	37.820 ug/ml
6) T	n-Tetradecane (C14)	8.142	6754862	40.334 ug/ml
7) T	n-Hexadecane (C16)	9.741	6852105	39.540 ug/ml
8) T	n-Octadecane (C18)	11.180	6995625	39.761 ug/ml
10) T	n-Eicosane (C20)	12.487	6959191	41.329 ug/ml
11) T	n-Heneicosane (C21)	13.099	6614337	40.199 ug/ml
13) T	n-Docosane (C22)	13.684	6501390	39.922 ug/ml
14) T	n-Tetracosane (C24)	14.785	6244056	38.932 ug/ml
15) T	n-Hexacosane (C26)	15.804	5987706	38.665 ug/ml
16) T	n-Octacosane (C28)	16.752	5814613	38.501 ug/ml
17) T	n-Tricontane (C30)	17.639	5730068	37.425 ug/ml
18) T	n-Dotriacontane (C32)	18.470	5565939	37.686 ug/ml
19) T	n-Tetratriacontane (C34)	19.252	5412323	42.911 ug/ml
20) T	n-Hexatriacontane (C36)	19.991	5119430	48.949 ug/ml
21) T	n-Octatriacontane (C38)	20.713	5039519	51.590 ug/ml
22) T	n-Tetracontane (C40)	21.597	5286538	54.239 ug/ml

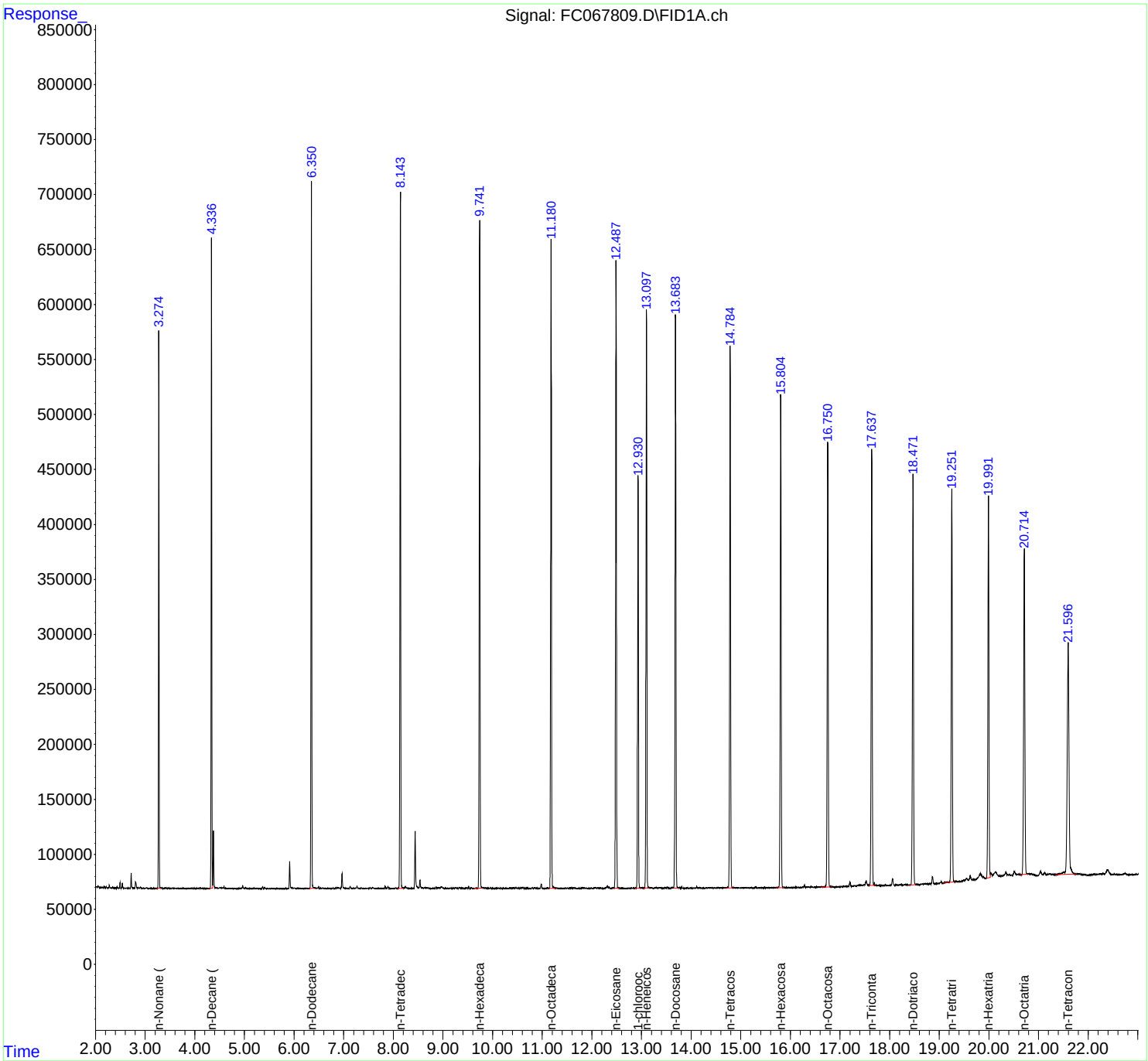
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067809.D
Signal(s) : FID1A.ch
Acq On : 18 Nov 2024 16:39
Operator : YP/AJ
Sample : PB165032BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB165032BSD

Integration File: sample.E
Quant Time: Nov 19 04:55:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067809.D
Signal(s) : FID1A.ch
Acq On : 18 Nov 2024 16:39
Sample : PB165032BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.274	3.222	3.320	BB	509303	4169652	59.60%	3.744%
2	4.336	4.280	4.359	BV	588136	5305498	75.84%	4.763%
3	6.350	6.295	6.410	BV	644062	6369928	91.06%	5.719%
4	8.142	8.082	8.212	BV	630042	6754862	96.56%	6.065%
5	9.741	9.620	9.812	BB	608767	6852105	97.95%	6.152%
6	11.180	11.135	11.279	BB	589930	6995625	100.00%	6.281%
7	12.487	12.445	12.560	PB	570012	6959191	99.48%	6.248%
8	12.929	12.867	12.994	BB	376268	4658064	66.59%	4.182%
9	13.099	13.032	13.159	BB	521043	6614337	94.55%	5.938%
10	13.684	13.647	13.749	PB	516294	6501390	92.94%	5.837%
11	14.785	14.689	14.852	BB	492472	6244056	89.26%	5.606%
12	15.804	15.709	15.872	BB	446581	5987706	85.59%	5.376%
13	16.752	16.607	16.822	BB	400679	5814613	83.12%	5.220%
14	17.639	17.575	17.719	BB	391152	5730068	81.91%	5.145%
15	18.470	18.395	18.540	BB	369876	5565939	79.56%	4.997%
16	19.252	19.075	19.320	BB	355187	5412323	77.37%	4.859%
17	19.991	19.935	20.027	BV	345474	5119430	73.18%	4.596%
18	20.713	20.634	20.794	BB	292044	5039519	72.04%	4.525%
19	21.597	21.337	21.759	BB	208166	5286538	75.57%	4.746%

Sum of corrected areas: 111380844

Aliphatic EPH 111424.M Tue Nov 19 05:24:34 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048768.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 16:39
Operator : YP/AJ
Sample : PB165032BSD
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165032BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File: sample.E
Quant Time: Nov 19 05:56:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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...	7.367	8248787	46.852 ug/ml
Spiked Amount	50.000		Recovery =	93.70%
6) S	2-Flurobiphenyl (SURR)	8.217	4866638	42.256 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	84.51%
11) S	ortho-Terphenyl (SURR)	11.254	7710147	40.087 ug/ml
Spiked Amount	50.000		Recovery =	80.17%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.191	6884236	36.529 ug/ml
2) T	Naphthalene (C11.7)	5.707	8235127	42.108 ug/ml
3) T	2-Methylnaphthalene (...	6.754	8081250	42.287 ug/ml
5) T	Acenaphthylene (C15.06)	8.021	9210211	47.493 ug/ml
7) T	Acenaphthene (C15.5)	8.317	9572483	49.767 ug/ml
8) T	Flouorene (C16.55)	9.095	9473016	49.376 ug/ml
9) T	Phenanthrene (C19.36)	10.483	9312497	50.804 ug/ml
10) T	Anthracene (C19.43)	10.559	9333900	49.842 ug/ml
12) T	Fluoranthene (C21.85)	12.288	9382920	51.239 ug/mlm
13) T	Pyrene (C20.8)	12.581	9123016	50.461 ug/ml
14) T	Benzo[a]anthracene (C...	14.452	8572046	52.109 ug/ml
15) T	Chrysene (C27.41)	14.496	8471962	48.408 ug/ml
16) T	benzo[b]fluoranthene ...	16.000	8158287	51.925 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.035	8077973	49.498 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.376	7709837	51.710 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.743	7523442	60.904 ug/ml
20) T	Dibenz[a,h]anthracene...	17.781	7186137	45.826 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.996	7244062	50.769 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

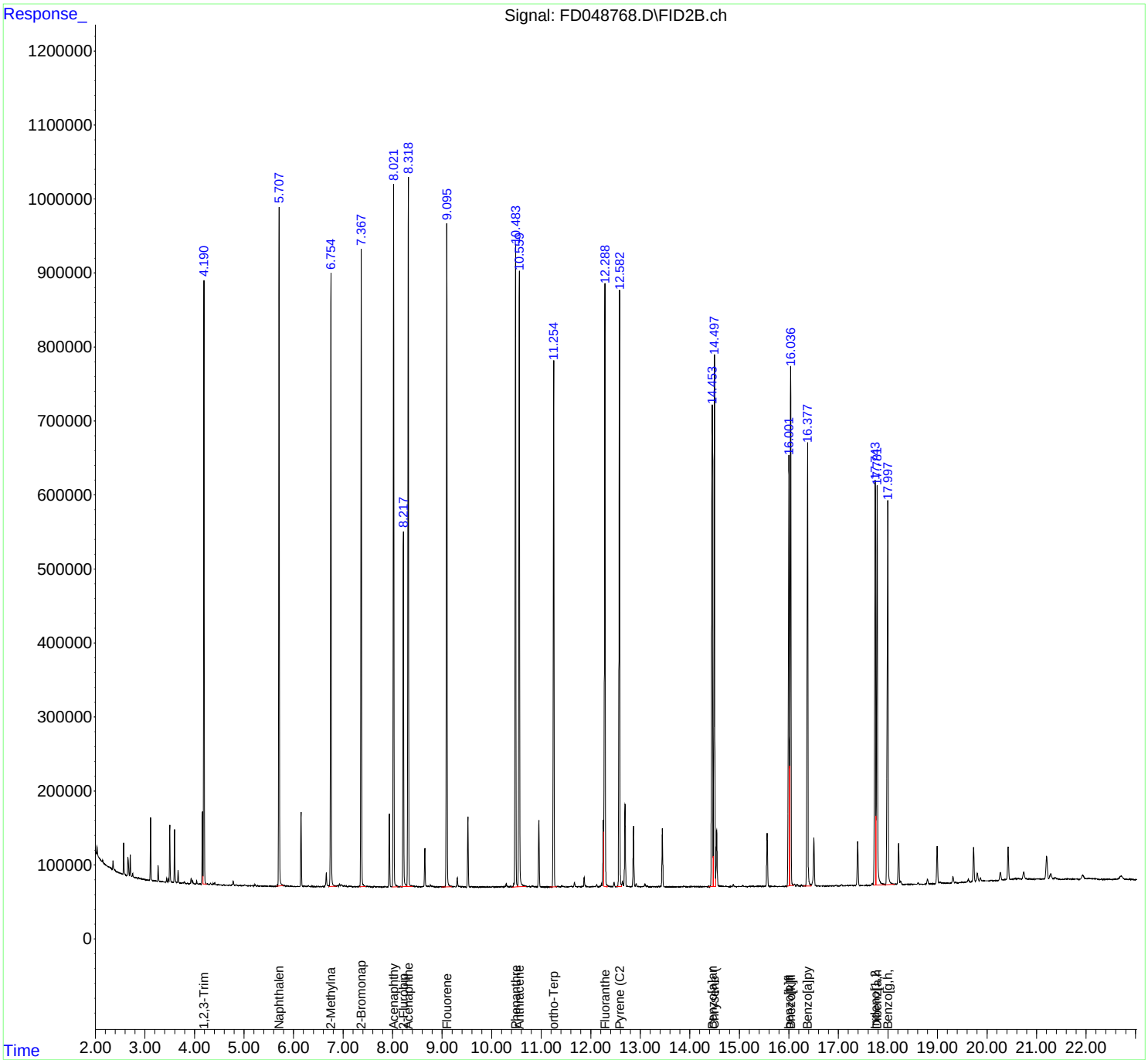
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048768.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 16:39
Operator : YP/AJ
Sample : PB165032BSD
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB165032BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File: sample.E
Quant Time: Nov 19 05:56:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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 :
PB165032BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11182
Data File : FD048768.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 16:39
Sample : PB165032BSD
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.191	4.172	4.251	VV	815043	6884236	67.71%	3.976%
2	5.707	5.651	5.798	BV	918482	8235127	81.00%	4.756%
3	6.754	6.718	6.864	VB	829545	8081250	79.48%	4.667%
4	7.367	7.337	7.461	VB	862646	8248787	81.13%	4.764%
5	8.021	7.991	8.111	BV	947566	9210211	90.59%	5.319%
6	8.217	8.151	8.288	BV	481492	4866638	47.87%	2.810%
7	8.317	8.288	8.408	VB	964072	9572483	94.15%	5.528%
8	9.095	8.991	9.198	BB	893210	9473016	93.17%	5.471%
9	10.483	10.404	10.524	PV	880701	9312497	91.59%	5.378%
10	10.559	10.524	10.698	VB	826296	9333900	91.80%	5.390%
11	11.254	11.168	11.321	BV	715840	7710147	75.83%	4.453%
12	12.287	12.230	12.374	VV	815932	10167336	100.00%	5.872%
13	12.581	12.511	12.621	BV	800723	9123016	89.73%	5.268%
14	14.452	14.378	14.471	BV	638866	8572046	84.31%	4.950%
15	14.496	14.471	14.521	VV	704686	8471962	83.33%	4.892%
16	16.000	15.961	16.015	BV	584159	8158287	80.24%	4.711%
17	16.035	16.015	16.093	VV	693138	8077973	79.45%	4.665%
18	16.376	16.291	16.451	BV	609546	7709837	75.83%	4.452%
19	17.743	17.701	17.759	BV	552982	7523442	74.00%	4.345%
20	17.781	17.759	17.948	VV	542134	7186137	70.68%	4.150%
21	17.996	17.948	18.134	PB	513647	7244062	71.25%	4.183%
			Sum of corrected areas:			173162391		

Aromatic EPH 111424.M Tue Nov 19 06:17:35 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067811.D
Signal(s) : FID1A.ch
Acq On : 18 Nov 2024 23:41
Operator : YP/AJ
Sample : P4839-22MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-4-TPH-6MS

Integration File: sample.E
Quant Time: Nov 19 04:55:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 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...	12.931	5629921	38.784 ug/ml
Spiked Amount	50.000		Recovery =	77.57%
	Target Compounds			
1) T	n-Nonane (C9)	3.272	4139513	25.378 ug/ml
2) T	n-Decane (C10)	4.335	5285048	31.870 ug/ml
4) T	n-Dodecane (C12)	6.350	6389245	37.935 ug/ml
6) T	n-Tetradecane (C14)	8.142	7165044	42.784 ug/ml
7) T	n-Hexadecane (C16)	9.742	7795696	44.985 ug/ml
8) T	n-Octadecane (C18)	11.182	8085825	45.958 ug/ml
10) T	n-Eicosane (C20)	12.490	8034177	47.713 ug/ml
11) T	n-Heneicosane (C21)	13.101	7633285	46.392 ug/ml
13) T	n-Docosane (C22)	13.686	7496051	46.030 ug/ml
14) T	n-Tetracosane (C24)	14.787	7291067	45.461 ug/ml
15) T	n-Hexacosane (C26)	15.806	7014548	45.296 ug/ml
16) T	n-Octacosane (C28)	16.755	6783961	44.920 ug/ml
17) T	n-Tricontane (C30)	17.640	6603722	43.131 ug/ml
18) T	n-Dotriacontane (C32)	18.471	6402790	43.352 ug/ml
19) T	n-Tetratriacontane (C34)	19.254	6267851	49.694 ug/ml
20) T	n-Hexatriacontane (C36)	19.992	6058033	57.923 ug/ml
21) T	n-Octatriacontane (C38)	20.715	5995462	61.376 ug/ml
22) T	n-Tetracontane (C40)	21.598	6045971	62.031 ug/ml

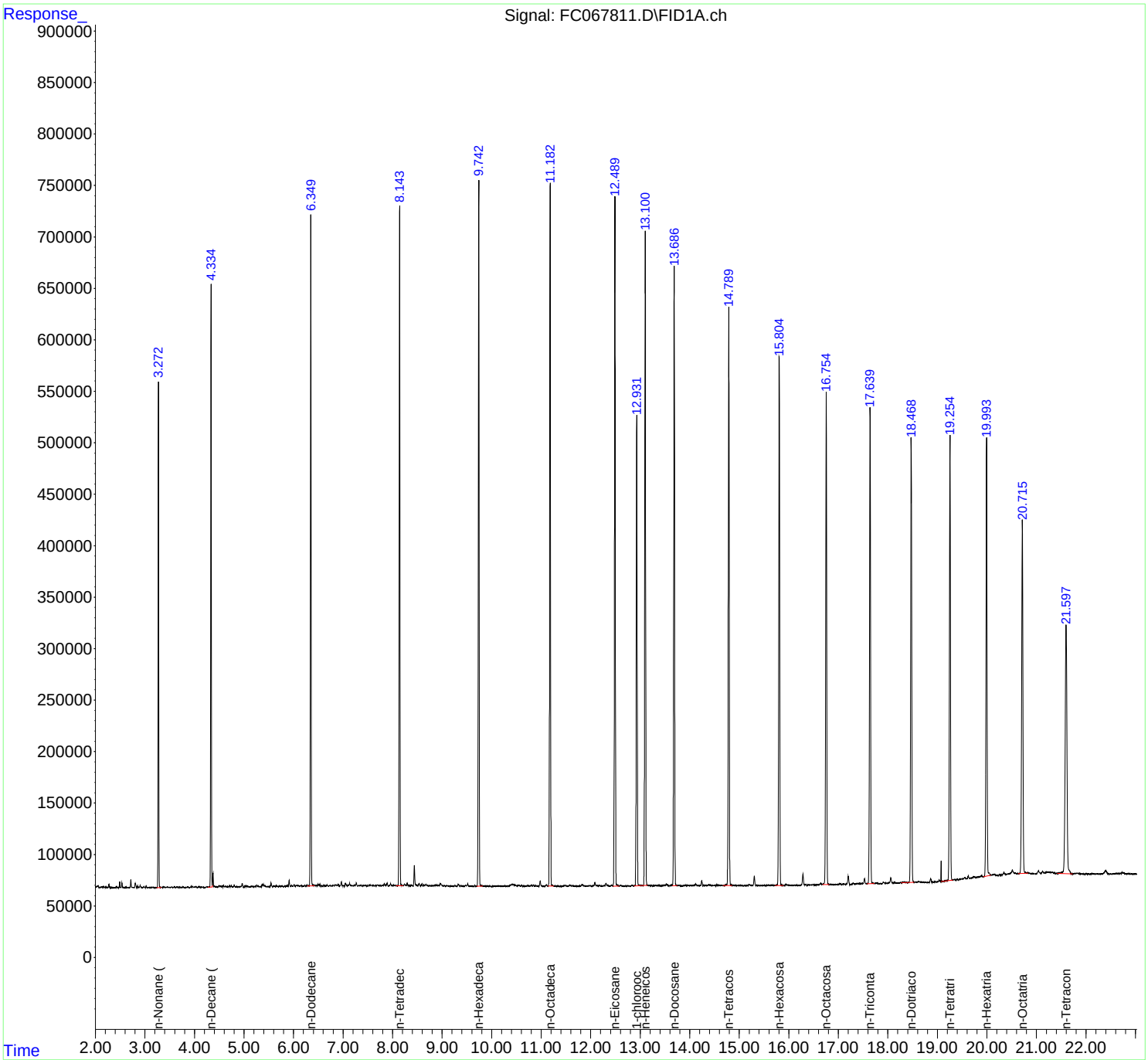
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067811.D
Signal(s) : FID1A.ch
Acq On : 18 Nov 2024 23:41
Operator : YP/AJ
Sample : P4839-22MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-4-TPH-6MS

Integration File: sample.E
Quant Time: Nov 19 04:55:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067811.D
Signal(s) : FID1A.ch
Acq On : 18 Nov 2024 23:41
Sample : P4839-22MS
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.272	3.224	3.354	BV	486444	4145137	51.06%	2.975%
2	3.369	3.354	3.380	VV	203	2717	0.03%	0.002%
3	3.395	3.380	3.431	VV	566	9675	0.12%	0.007%
4	3.449	3.431	3.459	VV	458	4915	0.06%	0.004%
5	3.471	3.459	3.496	VV	469	5891	0.07%	0.004%
6	3.547	3.496	3.568	VV	717	13883	0.17%	0.010%
7	3.596	3.568	3.620	VV	656	11558	0.14%	0.008%
8	3.643	3.620	3.662	VV	601	9077	0.11%	0.007%
9	3.670	3.662	3.691	VV	484	5747	0.07%	0.004%
10	3.710	3.691	3.725	VV	471	7375	0.09%	0.005%
11	3.734	3.725	3.747	VV	325	2822	0.03%	0.002%
12	3.762	3.747	3.796	VV	580	8583	0.11%	0.006%
13	3.807	3.796	3.827	PV	226	2099	0.03%	0.002%
14	3.855	3.827	3.898	VV	488	12140	0.15%	0.009%
15	3.936	3.898	3.950	VV	1205	14976	0.18%	0.011%
16	3.964	3.950	3.984	VV	1387	14843	0.18%	0.011%
17	3.997	3.984	4.013	VV	559	7317	0.09%	0.005%
18	4.030	4.013	4.050	VV	913	11241	0.14%	0.008%
19	4.110	4.050	4.125	VV	983	22978	0.28%	0.016%
20	4.138	4.125	4.164	VV	526	9525	0.12%	0.007%
21	4.173	4.164	4.206	VV	410	6848	0.08%	0.005%
22	4.248	4.206	4.268	PV	807	13160	0.16%	0.009%
23	4.287	4.268	4.303	VV	621	10149	0.13%	0.007%
24	4.335	4.303	4.359	VV	583296	5295134	65.23%	3.801%
25	4.374	4.359	4.424	VV	13799	151965	1.87%	0.109%
26	4.435	4.424	4.465	VV	844	17250	0.21%	0.012%
27	4.501	4.465	4.516	VV	1705	32262	0.40%	0.023%
28	4.529	4.516	4.543	VV	1535	19486	0.24%	0.014%
29	4.556	4.543	4.570	VV	1611	18830	0.23%	0.014%
30	4.586	4.570	4.603	VV	2275	26507	0.33%	0.019%
31	4.615	4.603	4.628	VV	1093	13415	0.17%	0.010%
32	4.639	4.628	4.650	VV	944	11208	0.14%	0.008%
33	4.660	4.650	4.686	VV	996	17388	0.21%	0.012%
34	4.705	4.686	4.723	VV	1525	23202	0.29%	0.017%
35	4.741	4.723	4.781	VV	1424	31295	0.39%	0.022%
36	4.802	4.781	4.834	VV	2588	37494	0.46%	0.027%

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37	4.852	4.834	4.874	VV	821	15603	0.19%	0.011%
38	4.888	4.874	4.904	VV	900	11853	0.15%	0.009%
39	4.964	4.904	4.996	VV	3856	76221	0.94%	0.055%
40	5.020	4.996	5.034	VV	1842	23945	0.29%	0.017%
41	5.048	5.034	5.062	VV	1690	20544	0.25%	0.015%
42	5.073	5.062	5.110	VV	1181	25210	0.31%	0.018%
43	5.134	5.110	5.151	VV	822	17164	0.21%	0.012%
44	5.165	5.151	5.176	VV	981	13571	0.17%	0.010%
45	5.188	5.176	5.214	VV	1024	19591	0.24%	0.014%
46	5.228	5.214	5.241	VV	984	13465	0.17%	0.010%
47	5.256	5.241	5.272	VV	2310	28597	0.35%	0.021%
48	5.284	5.272	5.324	VV	1321	31061	0.38%	0.022%
49	5.368	5.324	5.378	VV	3245	50908	0.63%	0.037%
50	5.388	5.378	5.472	VV	3177	86578	1.07%	0.062%
51	5.489	5.472	5.508	VV	1076	18172	0.22%	0.013%
52	5.546	5.508	5.575	VV	4355	70508	0.87%	0.051%
53	5.599	5.575	5.634	VV	1063	33668	0.41%	0.024%
54	5.655	5.634	5.691	VV	1412	36968	0.46%	0.027%
55	5.714	5.691	5.724	VV	1280	19432	0.24%	0.014%
56	5.735	5.724	5.744	VV	1102	11810	0.15%	0.008%
57	5.772	5.744	5.801	VV	1454	37035	0.46%	0.027%
58	5.821	5.801	5.841	VV	1410	23742	0.29%	0.017%
59	5.876	5.841	5.891	VV	1984	41688	0.51%	0.030%
60	5.912	5.891	5.948	VV	6943	97099	1.20%	0.070%
61	5.962	5.948	5.988	VV	1649	31216	0.38%	0.022%
62	6.009	5.988	6.034	VV	2647	47561	0.59%	0.034%
63	6.065	6.034	6.078	VV	1810	39765	0.49%	0.029%
64	6.092	6.078	6.118	VV	1699	35102	0.43%	0.025%
65	6.153	6.118	6.177	VV	1853	50650	0.62%	0.036%
66	6.187	6.177	6.205	VV	1257	19297	0.24%	0.014%
67	6.227	6.205	6.251	VV	1726	38156	0.47%	0.027%
68	6.272	6.251	6.289	VV	1849	34704	0.43%	0.025%
69	6.300	6.289	6.315	VV	1720	24313	0.30%	0.017%
70	6.350	6.315	6.419	VV	651501	6474388	79.76%	4.647%
71	6.434	6.419	6.451	VV	2094	34628	0.43%	0.025%
72	6.496	6.451	6.518	VV	3010	79524	0.98%	0.057%
73	6.534	6.518	6.555	VV	2793	45107	0.56%	0.032%
74	6.569	6.555	6.593	VV	1659	29762	0.37%	0.021%
75	6.611	6.593	6.641	VV	1638	41606	0.51%	0.030%
76	6.675	6.641	6.695	VV	1948	49368	0.61%	0.035%
77	6.732	6.695	6.764	VV	1681	56561	0.70%	0.041%
78	6.803	6.764	6.821	VV	1877	51150	0.63%	0.037%
79	6.841	6.821	6.855	VV	2456	38058	0.47%	0.027%
80	6.867	6.855	6.882	VV	2246	31924	0.39%	0.023%
81	6.903	6.882	6.932	VV	2349	53276	0.66%	0.038%
82	6.966	6.932	7.028	VV	5041	117856	1.45%	0.085%
83	7.048	7.028	7.087	VV	3815	80199	0.99%	0.058%
84	7.101	7.087	7.111	VV	1655	22029	0.27%	0.016%
85	7.130	7.111	7.164	VV	3384	67563	0.83%	0.048%
86	7.175	7.164	7.203	VV	1528	33602	0.41%	0.024%
87	7.235	7.203	7.246	VV	1969	41543	0.51%	0.030%
88	7.269	7.246	7.294	VV	3966	68067	0.84%	0.049%
89	7.338	7.294	7.345	VV	1497	42658	0.53%	0.031%

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90	7.357	7.345	7.381	VV	1697	30444	0.38%	0.022%
91	7.440	7.381	7.469	VV	1699	73093	0.90%	0.052%
92	7.491	7.469	7.510	VV	1314	28744	0.35%	0.021%
93	7.531	7.510	7.544	VV	2209	35581	0.44%	0.026%
94	7.555	7.544	7.571	VV	1910	27829	0.34%	0.020%
95	7.584	7.571	7.595	VV	1588	21796	0.27%	0.016%
96	7.605	7.595	7.625	VV	1551	26369	0.32%	0.019%
97	7.645	7.625	7.661	VV	1451	28588	0.35%	0.021%
98	7.696	7.661	7.730	VV	2077	63201	0.78%	0.045%
99	7.746	7.730	7.766	VV	1513	29401	0.36%	0.021%
100	7.791	7.766	7.806	VV	1488	30962	0.38%	0.022%
101	7.836	7.806	7.857	VV	3293	61636	0.76%	0.044%
102	7.890	7.857	7.917	VV	3481	74325	0.92%	0.053%
103	7.961	7.917	7.996	VV	3077	82754	1.02%	0.059%
104	8.016	7.996	8.030	VV	1724	30526	0.38%	0.022%
105	8.046	8.030	8.075	VV	1921	39498	0.49%	0.028%
106	8.083	8.075	8.092	VV	1197	12283	0.15%	0.009%
107	8.098	8.092	8.108	VV	1234	10957	0.13%	0.008%
108	8.142	8.108	8.208	VV	667227	7237128	89.15%	5.195%
109	8.243	8.208	8.271	VV	2660	70941	0.87%	0.051%
110	8.295	8.271	8.358	VV	3987	98249	1.21%	0.071%
111	8.380	8.358	8.409	VV	1470	38662	0.48%	0.028%
112	8.441	8.409	8.504	VV	20904	290615	3.58%	0.209%
113	8.536	8.504	8.570	VV	3426	74467	0.92%	0.053%
114	8.592	8.570	8.614	VV	2704	47710	0.59%	0.034%
115	8.629	8.614	8.641	VV	1619	22367	0.28%	0.016%
116	8.675	8.641	8.715	VV	2731	74271	0.91%	0.053%
117	8.742	8.715	8.772	VV	1220	34793	0.43%	0.025%
118	8.794	8.772	8.811	VV	1307	25054	0.31%	0.018%
119	8.823	8.811	8.837	VV	1222	17700	0.22%	0.013%
120	8.858	8.837	8.875	VV	2003	34722	0.43%	0.025%
121	8.896	8.875	8.940	VV	1719	55484	0.68%	0.040%
122	8.973	8.940	9.028	VV	2906	92119	1.13%	0.066%
123	9.046	9.028	9.071	VV	1358	27100	0.33%	0.019%
124	9.095	9.071	9.129	VV	1104	29721	0.37%	0.021%
125	9.138	9.129	9.164	VV	777	14199	0.17%	0.010%
126	9.199	9.164	9.228	VV	701	22146	0.27%	0.016%
127	9.261	9.228	9.298	VV	1190	29885	0.37%	0.021%
128	9.326	9.298	9.361	VV	2449	50013	0.62%	0.036%
129	9.379	9.361	9.394	VV	1206	17409	0.21%	0.012%
130	9.416	9.394	9.448	VV	830	21364	0.26%	0.015%
131	9.473	9.448	9.491	VV	1290	25179	0.31%	0.018%
132	9.517	9.491	9.557	VV	2938	48401	0.60%	0.035%
133	9.577	9.557	9.641	VV	671	24098	0.30%	0.017%
134	9.657	9.641	9.699	VV	1040	23690	0.29%	0.017%
135	9.741	9.699	9.799	VV	685766	7823851	96.38%	5.616%
136	9.808	9.799	9.868	VV	878	26924	0.33%	0.019%
137	9.881	9.868	9.940	VV	662	18735	0.23%	0.013%
138	9.962	9.940	9.992	VV	694	11688	0.14%	0.008%
139	10.015	9.992	10.031	VV	398	6944	0.09%	0.005%
140	10.057	10.031	10.071	VV	522	9839	0.12%	0.007%
141	10.087	10.071	10.098	VV	456	6455	0.08%	0.005%

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142	10.128	10.098	10.151	VV	819	18258	0.22%	0.013%
143	10.171	10.151	10.191	VV	602	12566	0.15%	0.009%
144	10.208	10.191	10.234	VV	522	11636	0.14%	0.008%
145	10.260	10.234	10.307	VV	640	22013	0.27%	0.016%
146	10.341	10.307	10.350	VV	745	14876	0.18%	0.011%
147	10.412	10.350	10.459	VV	2165	99996	1.23%	0.072%
148	10.474	10.459	10.510	VV	1442	32695	0.40%	0.023%
149	10.554	10.510	10.579	VV	1186	37785	0.47%	0.027%
150	10.602	10.579	10.641	VV	1180	24287	0.30%	0.017%
151	10.650	10.641	10.663	VV	370	4186	0.05%	0.003%
152	10.724	10.663	10.774	VV	1039	37194	0.46%	0.027%
153	10.799	10.774	10.821	VV	1274	22993	0.28%	0.017%
154	10.846	10.821	10.879	VV	1608	30635	0.38%	0.022%
155	10.895	10.879	10.917	VV	704	12625	0.16%	0.009%
156	10.928	10.917	10.956	VV	465	8420	0.10%	0.006%
157	10.982	10.956	11.025	VV	5256	71429	0.88%	0.051%
158	11.034	11.025	11.064	VV	239	4270	0.05%	0.003%
159	11.107	11.064	11.134	VV	1908	32015	0.39%	0.023%
160	11.182	11.134	11.264	VV	670975	8117595	100.00%	5.827%
161	11.270	11.264	11.348	VV	700	14397	0.18%	0.010%
162	11.358	11.348	11.388	VV	135	2328	0.03%	0.002%
163	11.410	11.388	11.428	VV	231	3209	0.04%	0.002%
164	11.461	11.428	11.472	VV	809	12922	0.16%	0.009%
165	11.488	11.472	11.514	VV	1160	17602	0.22%	0.013%
166	11.531	11.514	11.544	VV	421	5884	0.07%	0.004%
167	11.582	11.544	11.608	VV	1325	28452	0.35%	0.020%
168	11.630	11.608	11.713	VV	774	23384	0.29%	0.017%
169	11.724	11.713	11.731	VV	244	1989	0.02%	0.001%
170	11.741	11.731	11.754	VV	283	3457	0.04%	0.002%
171	11.775	11.754	11.797	VV	528	9784	0.12%	0.007%
172	11.828	11.797	11.880	VV	1620	43877	0.54%	0.031%
173	11.888	11.880	11.911	VV	458	6271	0.08%	0.005%
174	11.934	11.911	11.958	VV	511	10105	0.12%	0.007%
175	11.976	11.958	12.024	VV	750	17320	0.21%	0.012%
176	12.084	12.024	12.111	VV	3901	65999	0.81%	0.047%
177	12.122	12.111	12.153	VV	917	18052	0.22%	0.013%
178	12.179	12.153	12.234	VV	821	22652	0.28%	0.016%
179	12.310	12.234	12.333	VV	2877	58349	0.72%	0.042%
180	12.347	12.333	12.384	VV	1116	16803	0.21%	0.012%
181	12.425	12.384	12.447	VV	1170	20821	0.26%	0.015%
182	12.490	12.447	12.574	VV	677922	8045669	99.11%	5.775%
183	12.605	12.574	12.642	VV	1014	19331	0.24%	0.014%
184	12.653	12.642	12.678	VV	139	1656	0.02%	0.001%
185	12.685	12.678	12.692	VV	96	638	0.01%	0.000%
186	12.751	12.692	12.801	VV	351	13599	0.17%	0.010%
187	12.834	12.801	12.868	VV	1176	21329	0.26%	0.015%
188	12.931	12.868	12.971	VV	454035	5653231	69.64%	4.058%
189	12.986	12.971	13.018	VV	1130	23995	0.30%	0.017%
190	13.038	13.018	13.061	VV	787	14149	0.17%	0.010%
191	13.101	13.061	13.255	VV	625661	7702094	94.88%	5.529%
192	13.295	13.255	13.331	VV	597	19231	0.24%	0.014%
193	13.383	13.331	13.411	VV	598	22195	0.27%	0.016%
194	13.482	13.411	13.508	VV	888	31919	0.39%	0.023%

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195	13.527	13.508	13.597	VV	1799	43778	0.54%	0.031%
196	13.629	13.597	13.645	VV	1253	19933	0.25%	0.014%
197	13.686	13.645	13.761	VV	601805	7523928	92.69%	5.401%
198	13.767	13.761	13.836	VV	611	15825	0.19%	0.011%
199	13.841	13.836	13.850	VV	259	1605	0.02%	0.001%
200	13.920	13.850	13.993	VV	801	37468	0.46%	0.027%
201	14.022	13.993	14.054	VV	608	16361	0.20%	0.012%
202	14.070	14.054	14.089	VV	761	11530	0.14%	0.008%
203	14.116	14.089	14.174	VV	1847	41329	0.51%	0.030%
204	14.183	14.174	14.203	VV	407	6061	0.07%	0.004%
205	14.243	14.203	14.278	VV	5213	75861	0.93%	0.054%
206	14.307	14.278	14.354	VV	579	20055	0.25%	0.014%
207	14.395	14.354	14.473	VV	1151	42789	0.53%	0.031%
208	14.489	14.473	14.508	VV	429	7907	0.10%	0.006%
209	14.532	14.508	14.551	VV	456	9881	0.12%	0.007%
210	14.578	14.551	14.608	VV	732	19214	0.24%	0.014%
211	14.628	14.608	14.684	VV	492	17158	0.21%	0.012%
212	14.787	14.684	14.938	VV	557858	7350951	90.56%	5.276%
213	14.979	14.938	15.014	VV	401	13592	0.17%	0.010%
214	15.023	15.014	15.038	VV	309	3786	0.05%	0.003%
215	15.047	15.038	15.091	VV	303	6068	0.07%	0.004%
216	15.125	15.091	15.153	VV	330	7422	0.09%	0.005%
217	15.199	15.153	15.239	VV	1131	30024	0.37%	0.022%
218	15.254	15.239	15.270	VV	467	6757	0.08%	0.005%
219	15.301	15.270	15.338	VV	9411	128360	1.58%	0.092%
220	15.349	15.338	15.394	VV	308	5209	0.06%	0.004%
221	15.424	15.394	15.462	PV	236	5573	0.07%	0.004%
222	15.487	15.462	15.547	VV	317	9707	0.12%	0.007%
223	15.583	15.547	15.614	VV	635	16350	0.20%	0.012%
224	15.622	15.614	15.641	VV	547	6630	0.08%	0.005%
225	15.672	15.641	15.724	VV	624	16828	0.21%	0.012%
226	15.806	15.724	15.911	VV	517549	7034290	86.65%	5.049%
227	15.942	15.911	15.963	VV	1004	17541	0.22%	0.013%
228	15.976	15.963	16.054	VV	561	13840	0.17%	0.010%
229	16.110	16.054	16.134	VV	422	9065	0.11%	0.007%
230	16.156	16.134	16.210	VV	278	5720	0.07%	0.004%
231	16.284	16.210	16.314	PV	11131	166696	2.05%	0.120%
232	16.328	16.314	16.384	VV	687	17092	0.21%	0.012%
233	16.427	16.384	16.498	VV	374	17640	0.22%	0.013%
234	16.504	16.498	16.527	VV	264	3244	0.04%	0.002%
235	16.584	16.527	16.607	VV	592	13961	0.17%	0.010%
236	16.641	16.607	16.674	VV	1619	36959	0.46%	0.027%
237	16.755	16.674	16.828	VV	478619	6818821	84.00%	4.895%
238	16.838	16.828	16.908	VV	493	15072	0.19%	0.011%
239	16.979	16.908	17.001	VV	438	14385	0.18%	0.010%
240	17.036	17.001	17.068	VV	1010	23362	0.29%	0.017%
241	17.093	17.068	17.141	VV	538	17477	0.22%	0.013%
242	17.151	17.141	17.158	VV	422	3572	0.04%	0.003%
243	17.200	17.158	17.251	VV	8222	123599	1.52%	0.089%
244	17.301	17.251	17.334	PV	1259	25643	0.32%	0.018%
245	17.386	17.334	17.414	VV	882	27595	0.34%	0.020%
246	17.430	17.414	17.447	VV	651	10498	0.13%	0.008%

rteres

247	17.478	17.447	17.499	VV	954	21058	0.26%	0.015%
248	17.527	17.499	17.558	VV	5307	79609	0.98%	0.057%
249	17.640	17.558	17.734	VV	462638	6633747	81.72%	4.762%
250	17.770	17.734	17.831	VV	788	25883	0.32%	0.019%
251	17.846	17.831	17.867	VV	212	3127	0.04%	0.002%
252	17.913	17.867	17.951	VV	1547	34431	0.42%	0.025%
253	17.953	17.951	17.984	VV	563	5902	0.07%	0.004%
254	18.016	17.984	18.030	VV	882	15208	0.19%	0.011%
255	18.058	18.030	18.088	VV	5759	89958	1.11%	0.065%
256	18.105	18.088	18.117	VV	639	10680	0.13%	0.008%
257	18.135	18.117	18.177	VV	926	21812	0.27%	0.016%
258	18.190	18.177	18.224	VV	490	10176	0.13%	0.007%
259	18.318	18.224	18.353	VV	1117	46583	0.57%	0.033%
260	18.366	18.353	18.416	VV	764	20241	0.25%	0.015%
261	18.471	18.416	18.534	VV	415056	6425719	79.16%	4.612%
262	18.562	18.534	18.578	VV	708	15417	0.19%	0.011%
263	18.621	18.578	18.703	VV	1189	52799	0.65%	0.038%
264	18.722	18.703	18.757	VV	523	13182	0.16%	0.009%
265	18.769	18.757	18.798	VV	359	4970	0.06%	0.004%
266	18.864	18.798	18.924	PV	3747	62882	0.77%	0.045%
267	18.959	18.924	18.981	VV	307	5577	0.07%	0.004%
268	18.992	18.981	18.997	VV	156	988	0.01%	0.001%
269	19.037	18.997	19.084	VV	1615	49167	0.61%	0.035%
270	19.116	19.084	19.127	VV	619	12138	0.15%	0.009%
271	19.254	19.127	19.316	VV	430272	6340453	78.11%	4.551%
272	19.344	19.316	19.373	VV	1523	44839	0.55%	0.032%
273	19.405	19.373	19.423	VV	1462	39008	0.48%	0.028%
274	19.552	19.423	19.587	VV	3214	184486	2.27%	0.132%
275	19.625	19.587	19.651	VV	3874	98623	1.21%	0.071%
276	19.738	19.651	19.784	VV	3115	204558	2.52%	0.147%
277	19.890	19.784	19.924	VV	4053	254280	3.13%	0.183%
278	19.992	19.924	20.031	VV	425633	6225554	76.69%	4.469%
279	20.040	20.031	20.081	VV	6470	157456	1.94%	0.113%
280	20.134	20.081	20.231	VV	4633	359404	4.43%	0.258%
281	20.258	20.231	20.281	VV	3992	111353	1.37%	0.080%
282	20.342	20.281	20.375	VV	5924	246138	3.03%	0.177%
283	20.384	20.375	20.392	VV	4162	41273	0.51%	0.030%
284	20.511	20.392	20.569	VV	7482	539885	6.65%	0.388%
285	20.577	20.569	20.617	VV	4679	125501	1.55%	0.090%
286	20.715	20.617	20.848	VV	345124	6562319	80.84%	4.710%
287	20.864	20.848	20.891	VV	3926	97960	1.21%	0.070%
288	20.906	20.891	20.984	VV	3566	181928	2.24%	0.131%
289	21.042	20.984	21.085	VV	5505	241708	2.98%	0.173%
290	21.122	21.085	21.161	VV	4641	180225	2.22%	0.129%
291	21.238	21.161	21.394	VV	4143	495351	6.10%	0.356%
292	21.410	21.394	21.444	VV	2643	75185	0.93%	0.054%
293	21.598	21.444	21.724	VV	243209	6343924	78.15%	4.554%
294	21.822	21.724	21.971	VV	1436	152341	1.88%	0.109%
295	21.984	21.971	22.024	VV	479	9436	0.12%	0.007%
296	22.042	22.024	22.050	VV	335	3835	0.05%	0.003%
297	22.060	22.050	22.081	VV	315	3136	0.04%	0.002%

Sum of corrected areas: 139315657

rteres

Aliphatic EPH 111424.M Tue Nov 19 05:25:30 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048770.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 23:41
Operator : YP/AJ
Sample : P4839-22MS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-4-TPH-6MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File: sample.E
Quant Time: Nov 19 05:56:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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...	7.364	9001948	51.130 ug/ml
Spiked Amount	50.000		Recovery =	102.26%
6) S	2-Flurobiphenyl (SURR)	8.214	5843108	50.735 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	101.47%
11) S	ortho-Terphenyl (SURR)	11.251	7463900	38.807 ug/ml
Spiked Amount	50.000		Recovery =	77.61%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.185	6948117	36.868 ug/mlm
2) T	Naphthalene (C11.7)	5.703	8101596	41.425 ug/ml
3) T	2-Methylnaphthalene (...	6.750	8006402	41.895 ug/ml
5) T	Acenaphthylene (C15.06)	8.017	9255342	47.726 ug/ml
7) T	Acenaphthene (C15.5)	8.314	9891892	51.428 ug/ml
8) T	Flouorene (C16.55)	9.093	9942337	51.823 ug/ml
9) T	Phenanthrene (C19.36)	10.481	10157412	55.413 ug/ml
10) T	Anthracene (C19.43)	10.558	10090846	53.884 ug/ml
12) T	Fluoranthene (C21.85)	12.288	10604950	57.912 ug/mlm
13) T	Pyrene (C20.8)	12.582	10226486	56.564 ug/ml
14) T	Benzo[a]anthracene (C...	14.451	9677620	58.830 ug/ml
15) T	Chrysene (C27.41)	14.495	9518979	54.390 ug/ml
16) T	benzo[b]fluoranthene ...	16.000	9185774	58.464 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.035	9081131	55.645 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.377	8609948	57.747 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.744	8635216	69.904 ug/ml
20) T	Dibenz[a,h]anthracene...	17.781	8125990	51.819 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.997	8209382	57.534 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

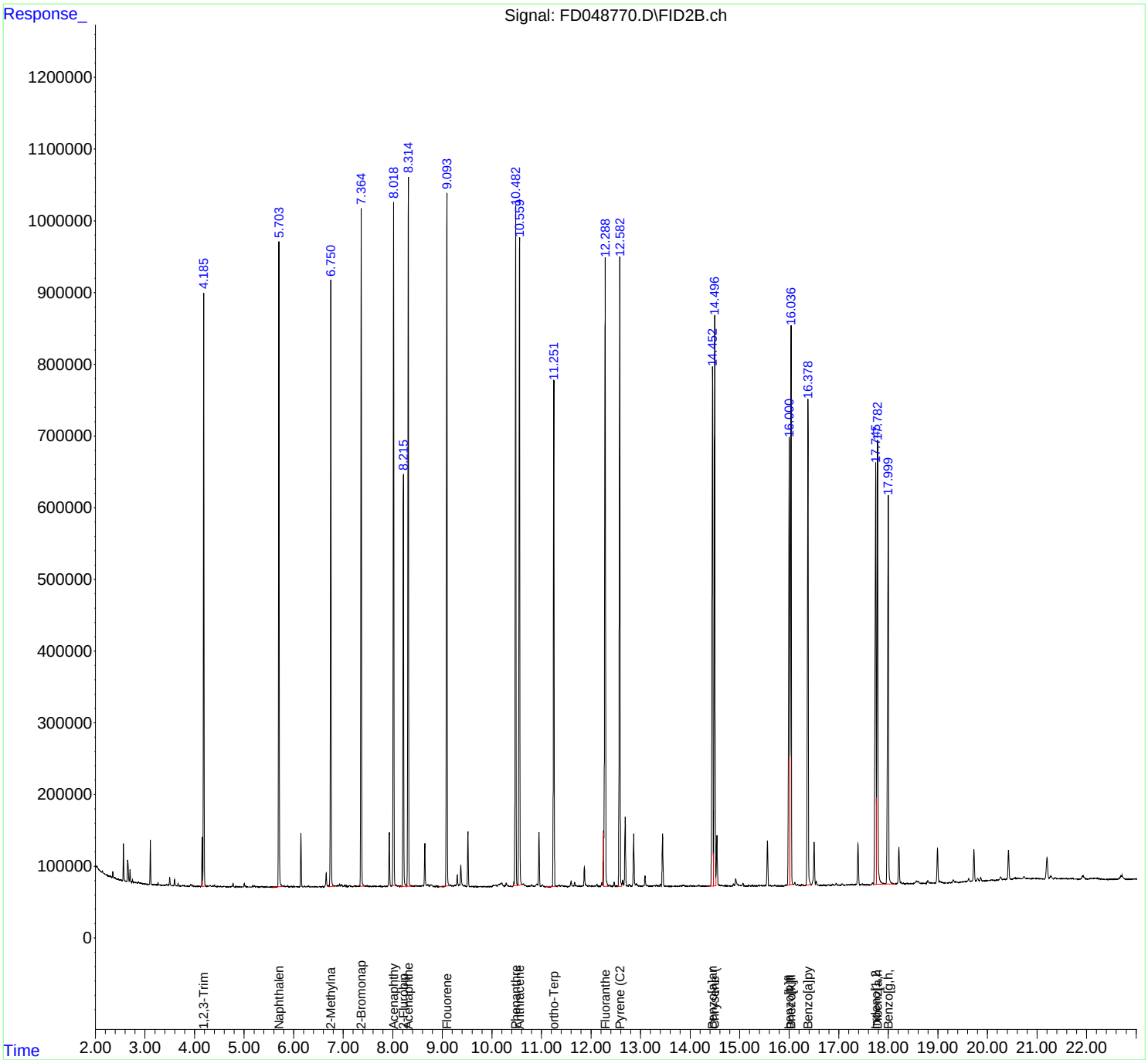
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048770.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 23:41
Operator : YP/AJ
Sample : P4839-22MS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-4-TPH-6MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File: sample.E
Quant Time: Nov 19 05:56:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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 :
EX-4-TPH-6MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11182
Data File : FD048770.D
Signal(s) : FID2B.ch
Acq On : 18 Nov 2024 23:41
Sample : P4839-22MS
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.106	4.091	4.127	PV	401	3987	0.04%	0.002%
2	4.154	4.127	4.167	PV	69382	599461	5.71%	0.289%
3	4.185	4.167	4.247	VV	826558	6990242	66.63%	3.369%
4	4.263	4.247	4.281	VV	1261	17627	0.17%	0.008%
5	4.316	4.281	4.339	VV	2051	42096	0.40%	0.020%
6	4.349	4.339	4.355	VV	544	4299	0.04%	0.002%
7	4.374	4.355	4.388	VV	1603	17276	0.16%	0.008%
8	4.403	4.388	4.422	VV	2314	22664	0.22%	0.011%
9	4.442	4.422	4.458	VV	409	5595	0.05%	0.003%
10	4.473	4.458	4.483	VV	725	6871	0.07%	0.003%
11	4.499	4.483	4.506	VV	601	6405	0.06%	0.003%
12	4.517	4.506	4.522	VV	711	5412	0.05%	0.003%
13	4.525	4.522	4.536	VV	583	3899	0.04%	0.002%
14	4.540	4.536	4.554	VV	317	2852	0.03%	0.001%
15	4.566	4.554	4.575	VV	457	4236	0.04%	0.002%
16	4.593	4.575	4.638	VV	1047	21116	0.20%	0.010%
17	4.676	4.651	4.681	VV	259	2776	0.03%	0.001%
18	4.705	4.681	4.729	VV	465	8344	0.08%	0.004%
19	4.753	4.729	4.758	VV	951	10165	0.10%	0.005%
20	4.777	4.758	4.804	VV	5146	60258	0.57%	0.029%
21	4.833	4.804	4.845	PV	1208	14544	0.14%	0.007%
22	4.858	4.845	4.879	VV	1107	13584	0.13%	0.007%
23	4.881	4.879	4.905	VV	475	5617	0.05%	0.003%
24	4.911	4.905	4.929	VV	388	3483	0.03%	0.002%
25	4.940	4.929	4.953	VV	344	3198	0.03%	0.002%
26	4.967	4.953	4.979	VV	524	5337	0.05%	0.003%
27	5.002	4.979	5.029	VV	4786	56144	0.54%	0.027%
28	5.037	5.029	5.071	VV	1020	15611	0.15%	0.008%
29	5.077	5.071	5.091	VV	272	2848	0.03%	0.001%
30	5.097	5.091	5.103	VV	280	1523	0.01%	0.001%
31	5.108	5.103	5.116	VV	329	2009	0.02%	0.001%
32	5.120	5.116	5.128	VV	264	1175	0.01%	0.001%
33	5.141	5.128	5.147	PV	337	2455	0.02%	0.001%
34	5.150	5.147	5.157	VV	255	1277	0.01%	0.001%
35	5.176	5.157	5.195	VV	2503	31011	0.30%	0.015%
36	5.214	5.195	5.235	VV	2030	28551	0.27%	0.014%

9

Instrument :
FID_D
ClientSampleId :
EX-4-TPH-6MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

A B C D E F G H I J

					rteres			
37	5.244	5.235	5.250	VV	720	5094	0.05%	0.002%
38	5.255	5.250	5.262	VV	729	4097		
39	5.271	5.262	5.303	VV	722	10024		
40	5.364	5.303	5.390	VV	1143	28869		
41	5.412	5.390	5.434	VV	741	10135		
42	5.449	5.434	5.460	VV	855	10018		
43	5.463	5.460	5.488	VV	711	5149	0.05%	0.002%
44	5.499	5.488	5.515	PV	321	3130	0.03%	0.002%
45	5.530	5.515	5.547	VV	515	6371	0.06%	0.003%
46	5.557	5.547	5.565	VV	352	2416	0.02%	0.001%
47	5.576	5.565	5.581	VV	385	2694	0.03%	0.001%
48	5.585	5.581	5.596	VV	290	1778	0.02%	0.001%
49	5.666	5.607	5.674	VV	726	17748	0.17%	0.009%
50	5.703	5.674	5.785	VV	902360	8170451	77.88%	3.938%
51	5.789	5.785	5.794	VV	1243	6220	0.06%	0.003%
52	5.811	5.794	5.829	VV	2020	30433	0.29%	0.015%
53	5.846	5.829	5.862	VV	1082	19271	0.18%	0.009%
54	5.882	5.862	5.903	VV	1878	30085	0.29%	0.015%
55	5.906	5.903	5.910	VV	536	2473	0.02%	0.001%
56	5.928	5.910	5.938	VV	1067	14166	0.14%	0.007%
57	5.947	5.938	5.960	VV	1208	13616	0.13%	0.007%
58	5.964	5.960	5.990	VV	968	13308	0.13%	0.006%
59	6.003	5.990	6.019	VV	1490	16295	0.16%	0.008%
60	6.026	6.019	6.035	VV	654	5875	0.06%	0.003%
61	6.039	6.035	6.054	VV	686	6677	0.06%	0.003%
62	6.070	6.054	6.110	VV	973	24851	0.24%	0.012%
63	6.148	6.110	6.200	VV	75643	726080	6.92%	0.350%
64	6.229	6.200	6.246	VV	1318	21812	0.21%	0.011%
65	6.267	6.246	6.278	VV	1037	12131	0.12%	0.006%
66	6.296	6.278	6.320	VV	1857	28419	0.27%	0.014%
67	6.331	6.320	6.348	VV	1106	10368	0.10%	0.005%
68	6.368	6.348	6.400	VV	1007	17384	0.17%	0.008%
69	6.415	6.400	6.436	VV	1280	15311	0.15%	0.007%
70	6.454	6.436	6.474	VV	712	11659	0.11%	0.006%
71	6.488	6.474	6.502	VV	581	6459	0.06%	0.003%
72	6.516	6.502	6.525	VV	736	7876	0.08%	0.004%
73	6.531	6.525	6.553	VV	811	7615	0.07%	0.004%
74	6.586	6.553	6.605	VV	1082	17217	0.16%	0.008%
75	6.657	6.605	6.697	VV	20052	255243	2.43%	0.123%
76	6.710	6.697	6.717	VV	2183	22637	0.22%	0.011%
77	6.751	6.717	6.829	VV	845127	8065523	76.88%	3.888%
78	6.843	6.829	6.863	VV	1945	32713	0.31%	0.016%
79	6.869	6.863	6.873	VV	1458	8589	0.08%	0.004%
80	6.888	6.873	6.907	VV	3035	43112	0.41%	0.021%
81	6.923	6.907	6.937	VV	3928	46220	0.44%	0.022%
82	6.953	6.937	6.967	VV	3625	48619	0.46%	0.023%
83	6.976	6.967	7.011	VV	2478	44882	0.43%	0.022%
84	7.031	7.011	7.050	VV	3406	48904	0.47%	0.024%
85	7.061	7.050	7.082	VV	1748	25971	0.25%	0.013%
86	7.094	7.082	7.098	VV	1153	10431	0.10%	0.005%
87	7.130	7.098	7.147	VV	2230	47519	0.45%	0.023%
88	7.153	7.147	7.195	VV	1479	28371	0.27%	0.014%
89	7.228	7.195	7.263	VV	2167	51811	0.49%	0.025%

Instrument :
FID_D
ClientSampleId :
EX-4-TPH-6MS

rteres

90	7.278	7.263	7.304	VV	1680	30488	0.29%	0.015%
91	7.324	7.304	7.337	VV	2106	28664		
92	7.364	7.337	7.448	VV	945613	9078064	8	
93	7.485	7.448	7.510	VV	1808	55622		
94	7.519	7.510	7.541	VV	1446	21599		
95	7.547	7.541	7.571	VV	1053	16606		
96	7.598	7.571	7.606	VV	1144	21055	0.20%	0.010%
97	7.627	7.606	7.651	VV	1594	32202	0.31%	0.016%
98	7.655	7.651	7.665	VV	1030	7882	0.08%	0.004%
99	7.679	7.665	7.697	VV	1377	19269	0.18%	0.009%
100	7.721	7.697	7.735	VV	1140	22180	0.21%	0.011%
101	7.752	7.735	7.784	VV	1712	32908	0.31%	0.016%
102	7.788	7.784	7.790	VV	805	2948	0.03%	0.001%
103	7.796	7.790	7.803	VV	926	6648	0.06%	0.003%
104	7.829	7.803	7.859	VV	1535	37415	0.36%	0.018%
105	7.876	7.859	7.893	VV	1583	23654	0.23%	0.011%
106	7.931	7.893	7.969	VV	76410	815483	7.77%	0.393%
107	8.018	7.969	8.096	VV	958450	9408645	89.69%	4.535%
108	8.113	8.096	8.148	VV	2115	45106	0.43%	0.022%
109	8.164	8.148	8.184	VV	1441	22587	0.22%	0.011%
110	8.215	8.184	8.265	VV	576342	5865155	55.91%	2.827%
111	8.274	8.265	8.283	VV	3222	31571	0.30%	0.015%
112	8.315	8.283	8.370	VV	992455	9950280	94.85%	4.796%
113	8.383	8.370	8.407	VV	1744	34868	0.33%	0.017%
114	8.411	8.407	8.435	VV	1497	23321	0.22%	0.011%
115	8.437	8.435	8.446	VV	1441	8304	0.08%	0.004%
116	8.476	8.446	8.504	VV	2297	58719	0.56%	0.028%
117	8.526	8.504	8.542	VV	1832	32709	0.31%	0.016%
118	8.560	8.542	8.572	VV	1775	29345	0.28%	0.014%
119	8.575	8.572	8.584	VV	1736	11012	0.10%	0.005%
120	8.600	8.584	8.623	VV	2194	42750	0.41%	0.021%
121	8.648	8.623	8.677	VV	61339	640134	6.10%	0.309%
122	8.683	8.677	8.698	VV	2527	30386	0.29%	0.015%
123	8.711	8.698	8.734	VV	3801	58761	0.56%	0.028%
124	8.761	8.734	8.774	VV	3423	60819	0.58%	0.029%
125	8.787	8.774	8.820	VV	3346	56534	0.54%	0.027%
126	8.831	8.820	8.861	VV	1239	21161	0.20%	0.010%
127	8.881	8.861	8.907	VV	1615	26324	0.25%	0.013%
128	8.925	8.907	8.956	VV	843	18060	0.17%	0.009%
129	8.965	8.956	8.971	VV	524	4329	0.04%	0.002%
130	8.993	8.971	9.003	VV	867	12922	0.12%	0.006%
131	9.015	9.003	9.034	VV	874	12483	0.12%	0.006%
132	9.042	9.034	9.057	VV	839	10173	0.10%	0.005%
133	9.093	9.057	9.153	VV	969161	10065289	95.94%	4.851%
134	9.172	9.153	9.197	VV	2668	55708	0.53%	0.027%
135	9.203	9.197	9.217	VV	1538	17218	0.16%	0.008%
136	9.250	9.217	9.272	VV	2725	72275	0.69%	0.035%
137	9.302	9.272	9.332	VV	16623	230853	2.20%	0.111%
138	9.346	9.332	9.355	VV	3423	40744	0.39%	0.020%
139	9.375	9.355	9.437	VV	30992	435753	4.15%	0.210%
140	9.453	9.437	9.491	VV	2052	41210	0.39%	0.020%
141	9.518	9.491	9.553	VV	77426	821799	7.83%	0.396%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

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Instrument :
FID_D
ClientSampleId :
EX-4-TPH-6MS

Manual IntegrationsAPPROVED

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A B C D E F G H I J

rteres

142	9.561	9.553	9.572	VV	494	5061	0.05%	0.002%
143	9.589	9.572	9.622	VV	832	19510		
144	9.639	9.622	9.653	VV	706	10171		
145	9.663	9.653	9.682	VV	755	9563		
146	9.690	9.682	9.710	VV	709	7708		
147	9.723	9.710	9.759	VV	689	13686		
148	9.763	9.759	9.765	VV	423	1529	0.01%	0.001%
149	9.782	9.765	9.812	VV	736	14071	0.13%	0.007%
150	9.832	9.812	9.853	VV	707	12432	0.12%	0.006%
151	9.863	9.853	9.872	VV	576	5545	0.05%	0.003%
152	9.888	9.872	9.894	VV	682	6559	0.06%	0.003%
153	9.907	9.894	9.921	VV	805	9471	0.09%	0.005%
154	9.938	9.921	9.970	VV	947	19163	0.18%	0.009%
155	9.974	9.970	9.983	VV	685	3969	0.04%	0.002%
156	10.023	9.983	10.035	VV	2232	36489	0.35%	0.018%
157	10.047	10.035	10.052	VV	2180	20468	0.20%	0.010%
158	10.083	10.052	10.110	VV	2656	72313	0.69%	0.035%
159	10.139	10.110	10.152	VV	3896	72260	0.69%	0.035%
160	10.183	10.152	10.195	VV	5106	115933	1.11%	0.056%
161	10.203	10.195	10.265	VV	5348	111115	1.06%	0.054%
162	10.289	10.265	10.326	VV	5641	96873	0.92%	0.047%
163	10.330	10.326	10.355	VV	1612	19875	0.19%	0.010%
164	10.379	10.355	10.398	VV	1440	25456	0.24%	0.012%
165	10.407	10.398	10.412	VV	460	3659	0.03%	0.002%
166	10.445	10.412	10.450	VV	6746	62444	0.60%	0.030%
167	10.482	10.450	10.524	VV	949052	10228770	97.50%	4.930%
168	10.559	10.524	10.614	VV	904484	10254200	97.75%	4.942%
169	10.634	10.614	10.697	VV	4417	139797	1.33%	0.067%
170	10.703	10.697	10.721	VV	1255	15774	0.15%	0.008%
171	10.755	10.721	10.770	VV	1646	35215	0.34%	0.017%
172	10.802	10.770	10.850	VV	3316	76558	0.73%	0.037%
173	10.855	10.850	10.862	VV	741	5050	0.05%	0.002%
174	10.911	10.862	10.928	VV	4094	98886	0.94%	0.048%
175	10.952	10.928	10.986	VV	76320	866050	8.26%	0.417%
176	11.020	10.986	11.059	VV	3050	69060	0.66%	0.033%
177	11.068	11.059	11.085	VV	580	7512	0.07%	0.004%
178	11.096	11.085	11.123	VV	520	7527	0.07%	0.004%
179	11.139	11.123	11.159	PV	438	6344	0.06%	0.003%
180	11.251	11.172	11.310	VV	706139	7530784	71.79%	3.630%
181	11.331	11.310	11.342	VV	1666	24836	0.24%	0.012%
182	11.364	11.342	11.383	VV	2632	44803	0.43%	0.022%
183	11.418	11.383	11.446	VV	2011	52951	0.50%	0.026%
184	11.466	11.446	11.488	VV	1531	25397	0.24%	0.012%
185	11.496	11.488	11.537	VV	991	16185	0.15%	0.008%
186	11.544	11.537	11.549	VV	468	2752	0.03%	0.001%
187	11.599	11.549	11.648	VV	7474	136136	1.30%	0.066%
188	11.671	11.648	11.691	VV	6192	80794	0.77%	0.039%
189	11.698	11.691	11.699	VV	1551	7220	0.07%	0.003%
190	11.704	11.699	11.732	VV	1723	21768	0.21%	0.010%
191	11.771	11.732	11.795	VV	1358	35000	0.33%	0.017%
192	11.835	11.795	11.844	VV	1598	32405	0.31%	0.016%
193	11.867	11.844	11.932	VV	27773	376206	3.59%	0.181%
194	11.947	11.932	11.964	VV	1633	24832	0.24%	0.012%

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Instrument :
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Manual IntegrationsAPPROVED

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rteres

195	11.972	11.964	12.003	VV	1302	23074	0.22%	0.011%
196	12.026	12.003	12.056	VV	1267	28779		
197	12.083	12.056	12.102	VV	1145	23947		
198	12.120	12.102	12.150	VV	3255	44598		
199	12.155	12.150	12.171	VV	548	5478		
200	12.194	12.171	12.199	VV	1239	14235		
201	12.216	12.199	12.229	VV	5308	55867	0.53%	0.027%
202	12.255	12.229	12.260	VV	77809	737427	7.03%	0.355%
203	12.288	12.260	12.355	VV	881161	10490734	100.00%	5.056%
204	12.381	12.355	12.443	VV	2547	58116	0.55%	0.028%
205	12.467	12.443	12.493	VV	6318	77307	0.74%	0.037%
206	12.500	12.493	12.540	VV	1048	16513	0.16%	0.008%
207	12.582	12.540	12.620	VV	877382	10248363	97.69%	4.940%
208	12.639	12.620	12.663	VV	8697	132677	1.26%	0.064%
209	12.690	12.663	12.720	VV	97174	1123222	10.71%	0.541%
210	12.729	12.720	12.742	VV	1202	13977	0.13%	0.007%
211	12.773	12.742	12.816	VV	3361	68875	0.66%	0.033%
212	12.822	12.816	12.829	VV	830	5444	0.05%	0.003%
213	12.862	12.829	12.900	VV	73787	916597	8.74%	0.442%
214	12.915	12.900	12.966	VV	4082	86086	0.82%	0.041%
215	12.970	12.966	12.990	VV	953	12421	0.12%	0.006%
216	12.994	12.990	13.015	VV	760	9463	0.09%	0.005%
217	13.090	13.015	13.164	VV	15007	243786	2.32%	0.118%
218	13.171	13.164	13.190	VV	719	9987	0.10%	0.005%
219	13.202	13.190	13.208	VV	753	7674	0.07%	0.004%
220	13.213	13.208	13.224	VV	726	6377	0.06%	0.003%
221	13.231	13.224	13.247	VV	816	9908	0.09%	0.005%
222	13.266	13.247	13.278	VV	1350	19098	0.18%	0.009%
223	13.282	13.278	13.295	VV	1114	10429	0.10%	0.005%
224	13.316	13.295	13.345	VV	1906	35062	0.33%	0.017%
225	13.353	13.345	13.370	VV	922	11458	0.11%	0.006%
226	13.398	13.370	13.416	VV	3245	46327	0.44%	0.022%
227	13.444	13.416	13.499	VV	73733	874708	8.34%	0.422%
228	13.505	13.499	13.519	VV	445	3960	0.04%	0.002%
229	13.540	13.519	13.581	VV	626	12402	0.12%	0.006%
230	13.594	13.581	13.614	VV	201	2069	0.02%	0.001%
231	13.639	13.627	13.646	VV	284	2376	0.02%	0.001%
232	13.702	13.646	13.733	VV	564	17230	0.16%	0.008%
233	13.743	13.733	13.760	VV	309	2849	0.03%	0.001%
234	13.767	13.760	13.772	VV	267	1479	0.01%	0.001%
235	13.802	13.772	13.817	VV	925	15632	0.15%	0.008%
236	13.834	13.817	13.862	VV	1187	25343	0.24%	0.012%
237	13.877	13.862	13.914	VV	1676	32073	0.31%	0.015%
238	13.926	13.914	13.941	VV	466	4760	0.05%	0.002%
239	13.953	13.941	13.967	VV	409	3718	0.04%	0.002%
240	13.971	13.967	13.979	VV	318	1778	0.02%	0.001%
241	14.002	13.979	14.030	VV	1261	20468	0.20%	0.010%
242	14.034	14.030	14.052	VV	377	3919	0.04%	0.002%
243	14.066	14.052	14.111	VV	981	18626	0.18%	0.009%
244	14.125	14.111	14.147	VV	516	7335	0.07%	0.004%
245	14.172	14.147	14.199	VV	1348	22267	0.21%	0.011%
246	14.214	14.199	14.235	VV	505	8088	0.08%	0.004%

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Instrument :
FID_D
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EX-4-TPH-6MS

Manual IntegrationsAPPROVED

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A B C D E F G H I J

rteres

247	14.241	14.235	14.252	VV	456	3915	0.04%	0.002%
248	14.258	14.252	14.274	VV	368	3586	0	
249	14.284	14.274	14.294	VV	332	3031	0	
250	14.313	14.294	14.320	VV	462	5784	0	
251	14.326	14.320	14.335	VV	411	2324	0	
252	14.345	14.335	14.363	VV	590	6119	0	
253	14.381	14.363	14.404	VV	816	12402	0.12%	0.006%
254	14.452	14.404	14.469	VV	723073	9677506	92.25%	4.664%
255	14.496	14.469	14.520	VV	799606	9543731	90.97%	4.600%
256	14.540	14.520	14.637	VV	70960	972858	9.27%	0.469%
257	14.648	14.637	14.652	VV	929	7347	0.07%	0.004%
258	14.655	14.652	14.677	VV	773	8260	0.08%	0.004%
259	14.686	14.677	14.699	VV	599	6543	0.06%	0.003%
260	14.716	14.699	14.756	VV	874	19824	0.19%	0.010%
261	14.782	14.756	14.813	VV	518	10958	0.10%	0.005%
262	14.837	14.813	14.844	VV	384	4370	0.04%	0.002%
263	14.873	14.844	14.893	VV	3461	44989	0.43%	0.022%
264	14.918	14.893	15.035	VV	10267	252802	2.41%	0.122%
265	15.067	15.035	15.091	VV	3985	64832	0.62%	0.031%
266	15.107	15.091	15.130	VV	502	7793	0.07%	0.004%
267	15.136	15.130	15.159	VV	245	2748	0.03%	0.001%
268	15.164	15.159	15.181	VV	609	4830	0.05%	0.002%
269	15.191	15.181	15.209	VV	664	7923	0.08%	0.004%
270	15.215	15.209	15.224	VV	552	4187	0.04%	0.002%
271	15.228	15.224	15.239	VV	488	3768	0.04%	0.002%
272	15.257	15.239	15.292	VV	903	16110	0.15%	0.008%
273	15.301	15.292	15.309	VV	448	3539	0.03%	0.002%
274	15.313	15.309	15.333	VV	421	3987	0.04%	0.002%
275	15.381	15.333	15.405	VV	1057	23584	0.22%	0.011%
276	15.427	15.405	15.431	VV	596	7654	0.07%	0.004%
277	15.437	15.431	15.450	VV	690	7151	0.07%	0.003%
278	15.451	15.450	15.466	VV	662	4547	0.04%	0.002%
279	15.481	15.466	15.500	VV	578	7695	0.07%	0.004%
280	15.559	15.500	15.594	VV	63222	817695	7.79%	0.394%
281	15.606	15.594	15.610	VV	488	4005	0.04%	0.002%
282	15.620	15.610	15.665	VV	515	8275	0.08%	0.004%
283	15.711	15.677	15.745	VV	1025	18422	0.18%	0.009%
284	15.760	15.753	15.780	VV	280	3357	0.03%	0.002%
285	15.796	15.790	15.802	VV	307	1311	0.01%	0.001%
286	15.822	15.802	15.828	PV	237	2414	0.02%	0.001%
287	15.837	15.828	15.850	VV	298	2318	0.02%	0.001%
288	15.859	15.850	15.895	VV	258	5315	0.05%	0.003%
289	15.933	15.895	15.955	VV	1537	31478	0.30%	0.015%
290	16.000	15.955	16.015	VV	626292	9192845	87.63%	4.431%
291	16.036	16.015	16.092	VV	784162	9199319	87.69%	4.434%
292	16.111	16.092	16.146	VV	5080	82759	0.79%	0.040%
293	16.167	16.146	16.207	VV	1988	41315	0.39%	0.020%
294	16.214	16.207	16.232	VV	692	9803	0.09%	0.005%
295	16.253	16.232	16.283	VV	1815	31541	0.30%	0.015%
296	16.286	16.283	16.314	VV	637	8322	0.08%	0.004%
297	16.378	16.314	16.445	VV	679661	8696987	82.90%	4.192%
298	16.501	16.445	16.527	VV	60893	895067	8.53%	0.431%
299	16.543	16.527	16.568	VV	6377	86402	0.82%	0.042%

Instrument :
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EX-4-TPH-6MS

Manual IntegrationsAPPROVED

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					rteres			
300	16.573	16.568	16.604	VV	981	13997	0.13%	0.007%
301	16.632	16.604	16.639	VV	500	8766		
302	16.643	16.639	16.653	VV	514	3205		
303	16.660	16.653	16.685	VV	539	7207		
304	16.690	16.685	16.699	VV	548	3708		
305	16.702	16.699	16.728	VV	464	4871		
306	16.737	16.728	16.762	PV	273	2630	0.03%	0.001%
307	16.789	16.762	16.810	VV	1166	19818	0.19%	0.010%
308	16.815	16.810	16.839	VV	640	7426	0.07%	0.004%
309	16.870	16.839	16.895	VV	1407	28866	0.28%	0.014%
310	16.900	16.895	16.921	VV	674	8688	0.08%	0.004%
311	16.949	16.921	16.999	VV	2721	47100	0.45%	0.023%
312	17.003	16.999	17.009	VV	447	1402	0.01%	0.001%
313	17.031	17.009	17.039	VV	384	4517	0.04%	0.002%
314	17.068	17.039	17.114	VV	2132	38546	0.37%	0.019%
315	17.135	17.114	17.142	VV	490	5298	0.05%	0.003%
316	17.167	17.142	17.179	VV	577	9060	0.09%	0.004%
317	17.188	17.179	17.212	VV	474	6333	0.06%	0.003%
318	17.238	17.212	17.257	VV	725	14458	0.14%	0.007%
319	17.275	17.257	17.296	VV	1113	17439	0.17%	0.008%
320	17.303	17.296	17.321	VV	515	5958	0.06%	0.003%
321	17.334	17.321	17.341	VV	658	6076	0.06%	0.003%
322	17.387	17.341	17.448	VV	57183	768793	7.33%	0.371%
323	17.472	17.448	17.499	VV	1567	25283	0.24%	0.012%
324	17.505	17.499	17.517	VV	406	3331	0.03%	0.002%
325	17.526	17.517	17.546	VV	408	4244	0.04%	0.002%
326	17.569	17.546	17.610	VV	400	7396	0.07%	0.004%
327	17.617	17.610	17.632	VV	165	1103	0.01%	0.001%
328	17.680	17.645	17.700	PV	2906	45865	0.44%	0.022%
329	17.745	17.700	17.758	VV	588678	8606054	82.03%	4.148%
330	17.782	17.758	17.948	VV	620410	8235840	78.51%	3.970%
331	17.998	17.948	18.135	VV	542751	8240990	78.55%	3.972%
332	18.162	18.135	18.167	PV	100	1473	0.01%	0.001%

Sum of corrected areas: 207471975

Aromatic EPH 111424.M Tue Nov 19 06:20:54 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067812.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 00:17
Operator : YP/AJ
Sample : P4839-22MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
EX-4-TPH-6MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File: sample.E
Quant Time: Nov 19 04:55:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 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...	12.929	5562605	38.320 ug/ml
Spiked Amount	50.000		Recovery =	76.64%
	Target Compounds			
1) T	n-Nonane (C9)	3.273	4074678	24.981 ug/ml
2) T	n-Decane (C10)	4.335	5204612	31.385 ug/ml
4) T	n-Dodecane (C12)	6.349	6253642	37.129 ug/mlm
6) T	n-Tetradecane (C14)	8.141	7017284	41.901 ug/ml
7) T	n-Hexadecane (C16)	9.740	7640714	44.090 ug/ml
8) T	n-Octadecane (C18)	11.180	7979596	45.354 ug/ml
10) T	n-Eicosane (C20)	12.488	7913424	46.996 ug/ml
11) T	n-Heneicosane (C21)	13.099	7529880	45.764 ug/ml
13) T	n-Docosane (C22)	13.684	7418701	45.555 ug/ml
14) T	n-Tetracosane (C24)	14.785	7224777	45.047 ug/ml
15) T	n-Hexacosane (C26)	15.804	6985464	45.108 ug/ml
16) T	n-Octacosane (C28)	16.752	6781674	44.905 ug/ml
17) T	n-Tricontane (C30)	17.638	6578646	42.967 ug/ml
18) T	n-Dotriacontane (C32)	18.469	6357935	43.049 ug/ml
19) T	n-Tetratriacontane (C34)	19.253	6213967	49.266 ug/ml
20) T	n-Hexatriacontane (C36)	19.990	6022850	57.587 ug/ml
21) T	n-Octatriacontane (C38)	20.713	5944064	60.850 ug/ml
22) T	n-Tetracontane (C40)	21.598	6006906	61.630 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

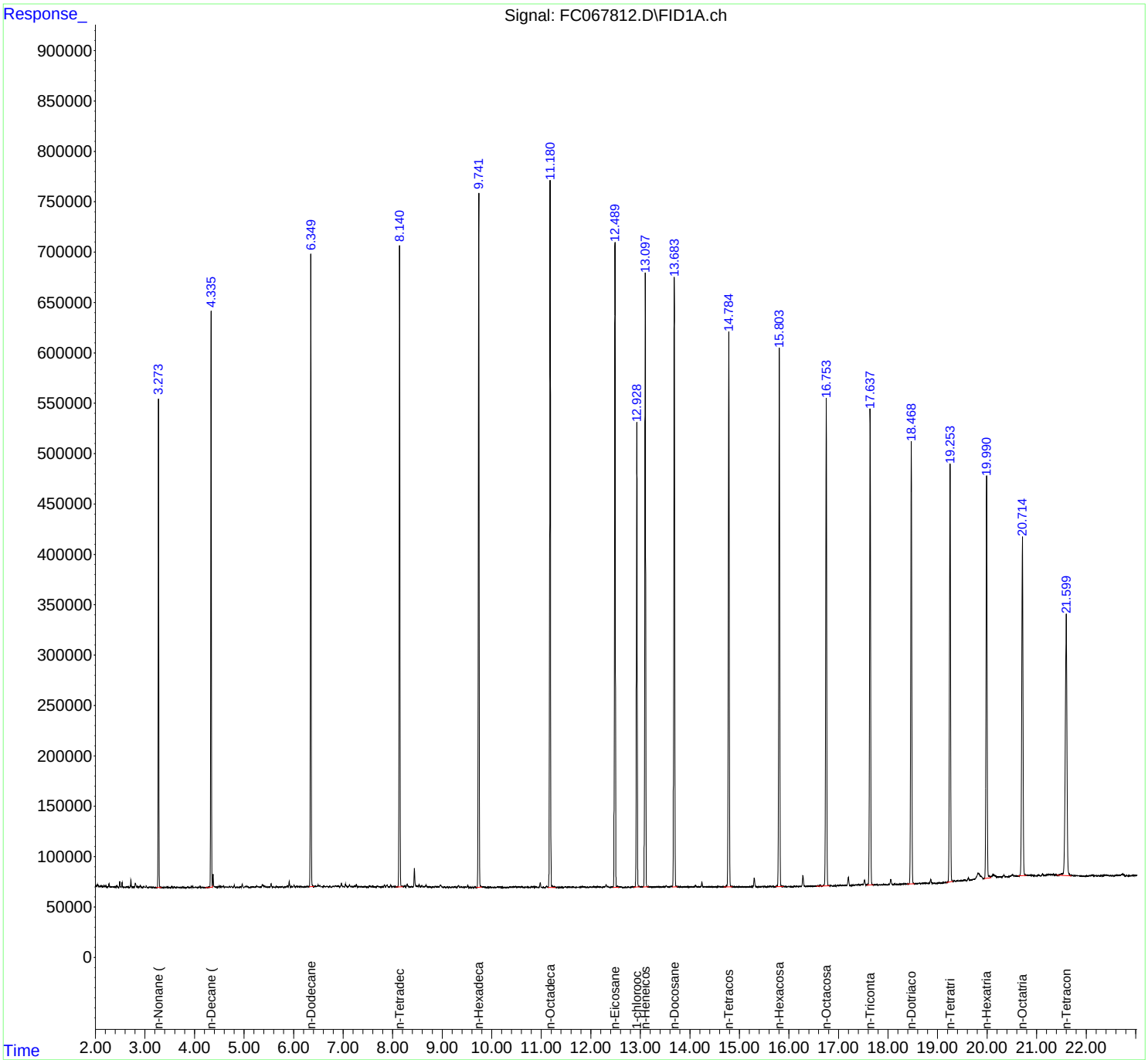
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC111824AL\
Data File : FC067812.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 00:17
Operator : YP/AJ
Sample : P4839-22MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
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Integration File: sample.E
Quant Time: Nov 19 04:55:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:13:15 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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Area Percent Report

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC11182
Data File : FC067812.D
Signal(s) : FID1A.ch
Acq On : 19 Nov 2024 00:17
Sample : P4839-22MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 111424.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	3.273	3.225	3.351	BV	481292	4079293	51.13%	3.016%
2	3.369	3.351	3.381	VV	269	2570	0.03%	0.002%
3	3.396	3.381	3.435	VV	541	8646	0.11%	0.006%
4	3.449	3.435	3.461	VV	413	4907	0.06%	0.004%
5	3.473	3.461	3.501	VV	515	5903	0.07%	0.004%
6	3.547	3.501	3.568	VV	726	12101	0.15%	0.009%
7	3.596	3.568	3.621	VV	636	11645	0.15%	0.009%
8	3.645	3.621	3.687	VV	494	13372	0.17%	0.010%
9	3.714	3.687	3.747	VV	412	11094	0.14%	0.008%
10	3.762	3.747	3.798	VV	561	9069	0.11%	0.007%
11	3.808	3.798	3.824	VV	271	2422	0.03%	0.002%
12	3.857	3.824	3.871	PV	505	8218	0.10%	0.006%
13	3.876	3.871	3.908	VV	416	4739	0.06%	0.004%
14	3.937	3.908	3.951	VV	1141	14598	0.18%	0.011%
15	3.964	3.951	3.985	VV	1341	14196	0.18%	0.010%
16	3.999	3.985	4.018	VV	546	7894	0.10%	0.006%
17	4.031	4.018	4.053	VV	928	10481	0.13%	0.008%
18	4.110	4.053	4.127	VV	845	20347	0.26%	0.015%
19	4.140	4.127	4.168	VV	541	9053	0.11%	0.007%
20	4.177	4.168	4.215	VV	443	6108	0.08%	0.005%
21	4.250	4.215	4.271	VV	676	11330	0.14%	0.008%
22	4.288	4.271	4.308	VV	515	8981	0.11%	0.007%
23	4.335	4.308	4.360	VV	566947	5201675	65.19%	3.846%
24	4.375	4.360	4.424	VV	13463	148720	1.86%	0.110%
25	4.440	4.424	4.461	VV	714	13398	0.17%	0.010%
26	4.502	4.461	4.517	VV	1459	30227	0.38%	0.022%
27	4.531	4.517	4.543	VV	1465	17356	0.22%	0.013%
28	4.556	4.543	4.572	VV	1554	18381	0.23%	0.014%
29	4.587	4.572	4.603	VV	2248	23741	0.30%	0.018%
30	4.615	4.603	4.628	VV	916	10618	0.13%	0.008%
31	4.643	4.628	4.651	VV	785	9885	0.12%	0.007%
32	4.661	4.651	4.674	VV	845	9430	0.12%	0.007%
33	4.706	4.674	4.723	VV	1262	23092	0.29%	0.017%
34	4.744	4.723	4.781	VV	1258	25973	0.33%	0.019%
35	4.802	4.781	4.835	VV	2365	32178	0.40%	0.024%
36	4.851	4.835	4.869	VV	547	9066	0.11%	0.007%

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37	4.890	4.869	4.906	VV	599	9401	0.12%	0.007%
38	4.965	4.906	4.996	VV	3524	64356		
39	5.020	4.996	5.035	VV	1529	19088		
40	5.048	5.035	5.062	VV	1448	16492		
41	5.073	5.062	5.115	VV	973	21151		
42	5.139	5.115	5.149	VV	633	10795		
43	5.165	5.149	5.211	VV	808	24099	0.30%	0.018%
44	5.227	5.211	5.238	VV	729	9648	0.12%	0.007%
45	5.257	5.238	5.273	VV	2087	25616	0.32%	0.019%
46	5.284	5.273	5.338	VV	1120	28690	0.36%	0.021%
47	5.368	5.338	5.378	VV	2964	37200	0.47%	0.028%
48	5.389	5.378	5.453	VV	2741	65639	0.82%	0.049%
49	5.460	5.453	5.474	VV	730	7947	0.10%	0.006%
50	5.488	5.474	5.517	VV	856	15912	0.20%	0.012%
51	5.546	5.517	5.578	VV	3947	55739	0.70%	0.041%
52	5.615	5.578	5.636	VV	779	23136	0.29%	0.017%
53	5.655	5.636	5.692	VV	1053	25789	0.32%	0.019%
54	5.715	5.692	5.744	VV	908	21657	0.27%	0.016%
55	5.772	5.744	5.801	VV	1175	26217	0.33%	0.019%
56	5.820	5.801	5.839	VV	880	14719	0.18%	0.011%
57	5.875	5.839	5.892	VV	1707	33617	0.42%	0.025%
58	5.913	5.892	5.945	VV	6152	81541	1.02%	0.060%
59	5.961	5.945	5.981	VV	1290	21627	0.27%	0.016%
60	6.009	5.981	6.033	VV	2246	40341	0.51%	0.030%
61	6.065	6.033	6.078	VV	1389	30078	0.38%	0.022%
62	6.093	6.078	6.118	VV	1284	25749	0.32%	0.019%
63	6.154	6.118	6.173	VV	1422	34726	0.44%	0.026%
64	6.180	6.173	6.202	VV	823	13096	0.16%	0.010%
65	6.228	6.202	6.245	VV	1295	25358	0.32%	0.019%
66	6.272	6.245	6.288	VV	1449	28841	0.36%	0.021%
67	6.300	6.288	6.314	VV	1351	18153	0.23%	0.013%
68	6.349	6.314	6.415	VV	621306	6316774	79.17%	4.671%
69	6.433	6.415	6.451	VV	1795	29707	0.37%	0.022%
70	6.496	6.451	6.517	VV	2583	63147	0.79%	0.047%
71	6.533	6.517	6.555	VV	2369	36928	0.46%	0.027%
72	6.569	6.555	6.592	VV	1196	20765	0.26%	0.015%
73	6.613	6.592	6.641	VV	1299	30247	0.38%	0.022%
74	6.674	6.641	6.694	VV	1641	36634	0.46%	0.027%
75	6.709	6.694	6.716	VV	936	11397	0.14%	0.008%
76	6.731	6.716	6.761	VV	1221	26165	0.33%	0.019%
77	6.801	6.761	6.822	VV	1442	37579	0.47%	0.028%
78	6.841	6.822	6.854	VV	2031	28790	0.36%	0.021%
79	6.867	6.854	6.880	VV	1674	23412	0.29%	0.017%
80	6.903	6.880	6.930	VV	1769	40414	0.51%	0.030%
81	6.966	6.930	7.024	VV	4220	91110	1.14%	0.067%
82	7.048	7.024	7.088	VV	3426	65823	0.82%	0.049%
83	7.101	7.088	7.111	VV	1164	13452	0.17%	0.010%
84	7.129	7.111	7.161	VV	2978	50834	0.64%	0.038%
85	7.176	7.161	7.201	VV	1048	22912	0.29%	0.017%
86	7.233	7.201	7.247	VV	1414	32085	0.40%	0.024%
87	7.269	7.247	7.295	VV	3348	52683	0.66%	0.039%
88	7.334	7.295	7.344	VV	1134	28737	0.36%	0.021%
89	7.357	7.344	7.378	VV	1277	20137	0.25%	0.015%

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90	7.401	7.378	7.414	VV	897	18030	0.23%	0.013%
91	7.442	7.414	7.507	VV	1226	47106		
92	7.529	7.507	7.543	VV	1704	24737		
93	7.554	7.543	7.625	VV	1346	49108		
94	7.644	7.625	7.662	VV	863	16855		
95	7.695	7.662	7.713	VV	1595	32875		
96	7.744	7.713	7.768	VV	1076	28254	0.35%	0.021%
97	7.791	7.768	7.807	VV	947	19308	0.24%	0.014%
98	7.835	7.807	7.855	VV	2733	43984	0.55%	0.033%
99	7.889	7.855	7.917	VV	2739	57477	0.72%	0.043%
100	7.960	7.917	7.989	VV	2614	54848	0.69%	0.041%
101	8.014	7.989	8.030	VV	1146	25503	0.32%	0.019%
102	8.046	8.030	8.068	VV	1522	24921	0.31%	0.018%
103	8.095	8.068	8.104	VV	863	17365	0.22%	0.013%
104	8.141	8.104	8.207	VV	640141	7068650	88.59%	5.227%
105	8.242	8.207	8.268	VV	2117	48443	0.61%	0.036%
106	8.295	8.268	8.318	VV	3610	54890	0.69%	0.041%
107	8.327	8.318	8.361	VV	1003	21560	0.27%	0.016%
108	8.375	8.361	8.413	VV	1043	25525	0.32%	0.019%
109	8.441	8.413	8.508	VV	19080	256988	3.22%	0.190%
110	8.537	8.508	8.570	VV	2959	58435	0.73%	0.043%
111	8.591	8.570	8.615	VV	2331	37281	0.47%	0.028%
112	8.628	8.615	8.640	VV	1150	15726	0.20%	0.012%
113	8.675	8.640	8.723	VV	2209	58076	0.73%	0.043%
114	8.745	8.723	8.772	VV	781	17262	0.22%	0.013%
115	8.793	8.772	8.809	VV	610	10341	0.13%	0.008%
116	8.821	8.809	8.838	VV	525	8035	0.10%	0.006%
117	8.858	8.838	8.881	VV	1448	24992	0.31%	0.018%
118	8.895	8.881	8.909	VV	1199	15245	0.19%	0.011%
119	8.917	8.909	8.941	VV	785	14542	0.18%	0.011%
120	8.971	8.941	9.026	VV	2323	60190	0.75%	0.045%
121	9.046	9.026	9.070	VV	800	13007	0.16%	0.010%
122	9.095	9.070	9.128	VV	471	9562	0.12%	0.007%
123	9.144	9.128	9.158	VV	362	5230	0.07%	0.004%
124	9.198	9.158	9.211	VV	474	11617	0.15%	0.009%
125	9.217	9.211	9.231	VV	434	4067	0.05%	0.003%
126	9.260	9.231	9.300	VV	986	20073	0.25%	0.015%
127	9.327	9.300	9.361	VV	2132	37378	0.47%	0.028%
128	9.377	9.361	9.413	VV	917	14545	0.18%	0.011%
129	9.423	9.413	9.441	VV	424	4960	0.06%	0.004%
130	9.469	9.441	9.493	VV	774	14716	0.18%	0.011%
131	9.517	9.493	9.548	VV	2561	30743	0.39%	0.023%
132	9.576	9.548	9.595	VV	299	4183	0.05%	0.003%
133	9.607	9.595	9.622	VV	155	1943	0.02%	0.001%
134	9.657	9.622	9.696	VV	588	12813	0.16%	0.009%
135	9.740	9.696	9.881	VV	697421	7680963	96.26%	5.680%
136	9.908	9.881	9.941	VV	318	7845	0.10%	0.006%
137	9.962	9.941	9.981	VV	592	7592	0.10%	0.006%
138	10.013	9.981	10.032	VV	223	3923	0.05%	0.003%
139	10.058	10.032	10.098	PV	290	7488	0.09%	0.006%
140	10.126	10.098	10.144	VV	805	13422	0.17%	0.010%
141	10.161	10.144	10.186	VV	529	9165	0.11%	0.007%

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142	10.217	10.186	10.235	VV	329	6413	0.08%	0.005%
143	10.257	10.235	10.299	VV	219	5182		
144	10.335	10.299	10.351	VV	353	5811		
145	10.368	10.351	10.388	VV	423	7729		
146	10.407	10.388	10.437	VV	553	14815		
147	10.447	10.437	10.457	VV	589	5908		
148	10.474	10.457	10.514	VV	917	20012	0.25%	0.015%
149	10.544	10.514	10.576	VV	646	17107	0.21%	0.013%
150	10.601	10.576	10.639	VV	1057	18823	0.24%	0.014%
151	10.645	10.639	10.652	VV	217	1427	0.02%	0.001%
152	10.666	10.652	10.685	VV	222	3918	0.05%	0.003%
153	10.691	10.685	10.708	VV	311	3133	0.04%	0.002%
154	10.727	10.708	10.770	VV	652	14372	0.18%	0.011%
155	10.799	10.770	10.823	VV	1014	17472	0.22%	0.013%
156	10.846	10.823	10.872	VV	1072	16969	0.21%	0.013%
157	10.897	10.872	10.915	VV	581	10700	0.13%	0.008%
158	10.925	10.915	10.950	VV	327	4730	0.06%	0.003%
159	10.980	10.950	11.022	VV	4776	60330	0.76%	0.045%
160	11.038	11.022	11.085	VV	174	3021	0.04%	0.002%
161	11.107	11.085	11.138	PV	1345	19473	0.24%	0.014%
162	11.180	11.138	11.256	VV	702160	7978995	100.00%	5.900%
163	11.268	11.256	11.315	VV	704	13624	0.17%	0.010%
164	11.330	11.315	11.355	VV	249	3556	0.04%	0.003%
165	11.390	11.355	11.427	VV	191	4178	0.05%	0.003%
166	11.487	11.427	11.512	VV	1000	18173	0.23%	0.013%
167	11.530	11.512	11.548	VV	309	5361	0.07%	0.004%
168	11.564	11.548	11.608	VV	557	11351	0.14%	0.008%
169	11.632	11.608	11.678	VV	566	14349	0.18%	0.011%
170	11.745	11.678	11.758	VV	296	9803	0.12%	0.007%
171	11.838	11.758	11.865	VV	917	31846	0.40%	0.024%
172	11.888	11.865	11.908	VV	371	7476	0.09%	0.006%
173	11.934	11.908	11.958	VV	315	6497	0.08%	0.005%
174	11.981	11.958	11.995	VV	353	6490	0.08%	0.005%
175	11.998	11.995	12.023	VV	363	4395	0.06%	0.003%
176	12.058	12.023	12.101	VV	873	23762	0.30%	0.018%
177	12.122	12.101	12.151	VV	684	15556	0.19%	0.012%
178	12.172	12.151	12.238	VV	613	17976	0.23%	0.013%
179	12.309	12.238	12.335	VV	2741	54009	0.68%	0.040%
180	12.344	12.335	12.375	VV	1002	13236	0.17%	0.010%
181	12.423	12.375	12.445	VV	957	14959	0.19%	0.011%
182	12.488	12.445	12.595	VV	639596	7931298	99.40%	5.865%
183	12.600	12.595	12.698	VV	388	9452	0.12%	0.007%
184	12.735	12.698	12.748	PV	271	4415	0.06%	0.003%
185	12.760	12.748	12.795	VV	273	4582	0.06%	0.003%
186	12.833	12.795	12.864	VV	775	14434	0.18%	0.011%
187	12.929	12.864	13.026	VV	453357	5606334	70.26%	4.146%
188	13.039	13.026	13.056	VV	549	8597	0.11%	0.006%
189	13.099	13.056	13.215	VV	611109	7570848	94.88%	5.598%
190	13.224	13.215	13.274	VV	384	9616	0.12%	0.007%
191	13.308	13.274	13.325	VV	491	10727	0.13%	0.008%
192	13.368	13.325	13.417	VV	501	18437	0.23%	0.014%
193	13.438	13.417	13.458	VV	343	6209	0.08%	0.005%
194	13.471	13.458	13.495	VV	624	9576	0.12%	0.007%

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195	13.523	13.495	13.563	VV	1641	28325	0.35%	0.021%
196	13.575	13.563	13.600	VV	321	6054		
197	13.627	13.600	13.643	VV	1008	15839		
198	13.684	13.643	13.766	VV	608928	7446863	93	
199	13.773	13.766	13.795	VV	480	6477		
200	13.802	13.795	13.845	VV	352	6832		
201	13.899	13.845	13.955	VV	298	14381	0.18%	0.011%
202	13.972	13.955	13.991	VV	223	3716	0.05%	0.003%
203	14.014	13.991	14.056	VV	258	7707	0.10%	0.006%
204	14.079	14.056	14.083	VV	228	3063	0.04%	0.002%
205	14.115	14.083	14.148	VV	1616	27361	0.34%	0.020%
206	14.241	14.148	14.285	VV	4812	72969	0.91%	0.054%
207	14.306	14.285	14.357	VV	403	12371	0.16%	0.009%
208	14.380	14.357	14.421	VV	403	10886	0.14%	0.008%
209	14.443	14.421	14.458	VV	274	4655	0.06%	0.003%
210	14.485	14.458	14.511	VV	263	7158	0.09%	0.005%
211	14.560	14.511	14.608	VV	385	15122	0.19%	0.011%
212	14.622	14.608	14.658	VV	330	6641	0.08%	0.005%
213	14.665	14.658	14.681	VV	193	2419	0.03%	0.002%
214	14.785	14.681	14.898	VV	548457	7254673	90.92%	5.365%
215	14.904	14.898	14.916	VV	249	1604	0.02%	0.001%
216	14.956	14.916	14.970	VV	220	4746	0.06%	0.004%
217	14.986	14.970	15.005	VV	235	3253	0.04%	0.002%
218	15.024	15.005	15.041	VV	187	2328	0.03%	0.002%
219	15.117	15.041	15.147	VV	182	5199	0.07%	0.004%
220	15.207	15.147	15.231	PV	274	4277	0.05%	0.003%
221	15.299	15.231	15.411	PV	8755	125000	1.57%	0.092%
222	15.481	15.411	15.498	PV	279	4719	0.06%	0.003%
223	15.517	15.498	15.538	VV	132	1959	0.02%	0.001%
224	15.548	15.538	15.561	VV	151	1112	0.01%	0.001%
225	15.589	15.561	15.601	VV	238	3568	0.04%	0.003%
226	15.619	15.601	15.650	VV	429	8996	0.11%	0.007%
227	15.680	15.650	15.731	VV	317	9362	0.12%	0.007%
228	15.804	15.731	15.912	VV	522824	6994905	87.67%	5.172%
229	15.922	15.912	15.931	VV	190	1901	0.02%	0.001%
230	15.935	15.931	15.957	VV	226	2172	0.03%	0.002%
231	15.977	15.957	16.028	VV	182	6555	0.08%	0.005%
232	16.045	16.028	16.066	VV	104	1624	0.02%	0.001%
233	16.109	16.066	16.133	PV	399	7994	0.10%	0.006%
234	16.158	16.133	16.211	VV	359	7323	0.09%	0.005%
235	16.282	16.211	16.352	PV	10737	164155	2.06%	0.121%
236	16.361	16.352	16.380	VV	132	1636	0.02%	0.001%
237	16.394	16.380	16.415	VV	173	2147	0.03%	0.002%
238	16.441	16.415	16.468	VV	248	4274	0.05%	0.003%
239	16.502	16.468	16.547	VV	187	5183	0.06%	0.004%
240	16.582	16.547	16.603	VV	526	8825	0.11%	0.007%
241	16.633	16.603	16.684	VV	710	20552	0.26%	0.015%
242	16.752	16.684	16.817	VV	477857	6767631	84.82%	5.004%
243	16.831	16.817	16.926	VV	369	11230	0.14%	0.008%
244	16.980	16.926	17.007	VV	327	8619	0.11%	0.006%
245	17.041	17.007	17.062	VV	493	11254	0.14%	0.008%
246	17.086	17.062	17.117	VV	475	9141	0.11%	0.007%

9

Instrument :
FID_C
ClientSampleId :
EX-4-TPH-6MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

A B C D E F G H I J

					rteres			
247	17.198	17.117	17.245	VV	8311	137742	1.73%	0.102%
248	17.254	17.245	17.268	VV	93	1489	[illegible]	
249	17.308	17.268	17.335	VV	514	13554	[illegible]	
250	17.364	17.335	17.378	VV	586	13130	[illegible]	
251	17.403	17.378	17.444	VV	699	23993	[illegible]	
252	17.480	17.444	17.496	VV	988	23220	[illegible]	
253	17.525	17.496	17.565	VV	5272	88148	1.10%	0.065%
254	17.638	17.565	17.743	VV	470884	6611872	82.87%	4.889%
255	17.767	17.743	17.835	VV	468	14204	0.18%	0.011%
256	17.910	17.835	17.938	PV	559	13516	0.17%	0.010%
257	17.947	17.938	17.996	VV	287	4924	0.06%	0.004%
258	18.056	17.996	18.095	VV	5388	88653	1.11%	0.066%
259	18.135	18.095	18.161	VV	618	12657	0.16%	0.009%
260	18.171	18.161	18.178	VV	187	1481	0.02%	0.001%
261	18.202	18.178	18.210	VV	168	2929	0.04%	0.002%
262	18.270	18.210	18.295	VV	301	11463	0.14%	0.008%
263	18.317	18.295	18.341	VV	509	10544	0.13%	0.008%
264	18.364	18.341	18.399	VV	403	9601	0.12%	0.007%
265	18.469	18.399	18.538	VV	436264	6383444	80.00%	4.720%
266	18.548	18.538	18.578	VV	452	9379	0.12%	0.007%
267	18.615	18.578	18.678	VV	492	22575	0.28%	0.017%
268	18.722	18.678	18.743	VV	653	17870	0.22%	0.013%
269	18.767	18.743	18.807	VV	566	15290	0.19%	0.011%
270	18.863	18.807	18.941	VV	4066	75551	0.95%	0.056%
271	18.949	18.941	18.965	PV	93	935	0.01%	0.001%
272	19.036	18.965	19.075	VV	541	12664	0.16%	0.009%
273	19.111	19.075	19.130	PV	385	8190	0.10%	0.006%
274	19.162	19.130	19.172	VV	427	8941	0.11%	0.007%
275	19.253	19.172	19.318	VV	406558	6286744	78.79%	4.649%
276	19.338	19.318	19.370	VV	1680	46287	0.58%	0.034%
277	19.407	19.370	19.428	VV	1602	48816	0.61%	0.036%
278	19.489	19.428	19.509	VV	1521	68319	0.86%	0.051%
279	19.548	19.509	19.585	VV	2077	77121	0.97%	0.057%
280	19.622	19.585	19.653	VV	3659	95939	1.20%	0.071%
281	19.819	19.653	19.938	VV	7961	669439	8.39%	0.495%
282	19.990	19.938	20.071	VV	401511	6234659	78.14%	4.610%
283	20.129	20.071	20.233	VV	5911	433505	5.43%	0.321%
284	20.248	20.233	20.255	VV	3351	44736	0.56%	0.033%
285	20.263	20.255	20.278	VV	3338	44321	0.56%	0.033%
286	20.339	20.278	20.381	VV	5140	231835	2.91%	0.171%
287	20.396	20.381	20.418	VV	3416	73298	0.92%	0.054%
288	20.514	20.418	20.588	VV	4846	387431	4.86%	0.286%
289	20.609	20.588	20.617	VV	3602	62366	0.78%	0.046%
290	20.713	20.617	20.801	VV	341085	6345517	79.53%	4.692%
291	20.810	20.801	20.838	VV	3876	82366	1.03%	0.061%
292	20.859	20.838	20.988	VV	3664	292986	3.67%	0.217%
293	21.035	20.988	21.083	VV	3465	171273	2.15%	0.127%
294	21.120	21.083	21.161	VV	3823	146103	1.83%	0.108%
295	21.249	21.161	21.265	VV	3448	193997	2.43%	0.143%
296	21.277	21.265	21.294	VV	3315	56144	0.70%	0.042%
297	21.312	21.294	21.437	VV	3302	243705	3.05%	0.180%
298	21.598	21.437	21.801	VV	259176	6346288	79.54%	4.693%
299	21.817	21.801	21.955	VV	926	48310	0.61%	0.036%

9

Instrument :
FID_C
ClientSampleId :
EX-4-TPH-6MSD

```
                                        rteres
 300 21.977  21.955  21.992  VV      161      1924   0.02%  0.001%

                        Sum of corrected areas:   1352

Aliphatic EPH 111424.M Tue Nov 19 05:25:50 2024
```

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

A B C D E F G H I J

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048771.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 00:17
Operator : YP/AJ
Sample : P4839-22MSD
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-4-TPH-6MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File: sample.E
Quant Time: Nov 19 05:56:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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...	7.366	8969471	50.946 ug/ml
Spiked Amount	50.000		Recovery =	101.89%
6) S	2-Flurobiphenyl (SURR)	8.217	5798672	50.349 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	100.70%
11) S	ortho-Terphenyl (SURR)	11.252	7428539	38.623 ug/ml
Spiked Amount	50.000		Recovery =	77.25%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.189	6923954	36.739 ug/ml
2) T	Naphthalene (C11.7)	5.706	8056151	41.192 ug/ml
3) T	2-Methylnaphthalene (...	6.753	7956887	41.636 ug/ml
5) T	Acenaphthylene (C15.06)	8.020	9254488	47.722 ug/ml
7) T	Acenaphthene (C15.5)	8.316	9889760	51.417 ug/ml
8) T	Flouorene (C16.55)	9.094	9947391	51.849 ug/ml
9) T	Phenanthrene (C19.36)	10.482	10226984	55.793 ug/ml
10) T	Anthracene (C19.43)	10.559	10224393	54.597 ug/ml
12) T	Fluoranthene (C21.85)	12.289	10443203	57.029 ug/mlm
13) T	Pyrene (C20.8)	12.583	10226558	56.565 ug/ml
14) T	Benzo[a]anthracene (C...	14.453	9664307	58.749 ug/ml
15) T	Chrysene (C27.41)	14.497	9525573	54.428 ug/ml
16) T	benzo[b]fluoranthene ...	16.001	9229697	58.744 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.036	9076756	55.619 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.377	8602414	57.697 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.745	8630374	69.865 ug/ml
20) T	Dibenz[a,h]anthracene...	17.782	8113945	51.743 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.997	8210524	57.542 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

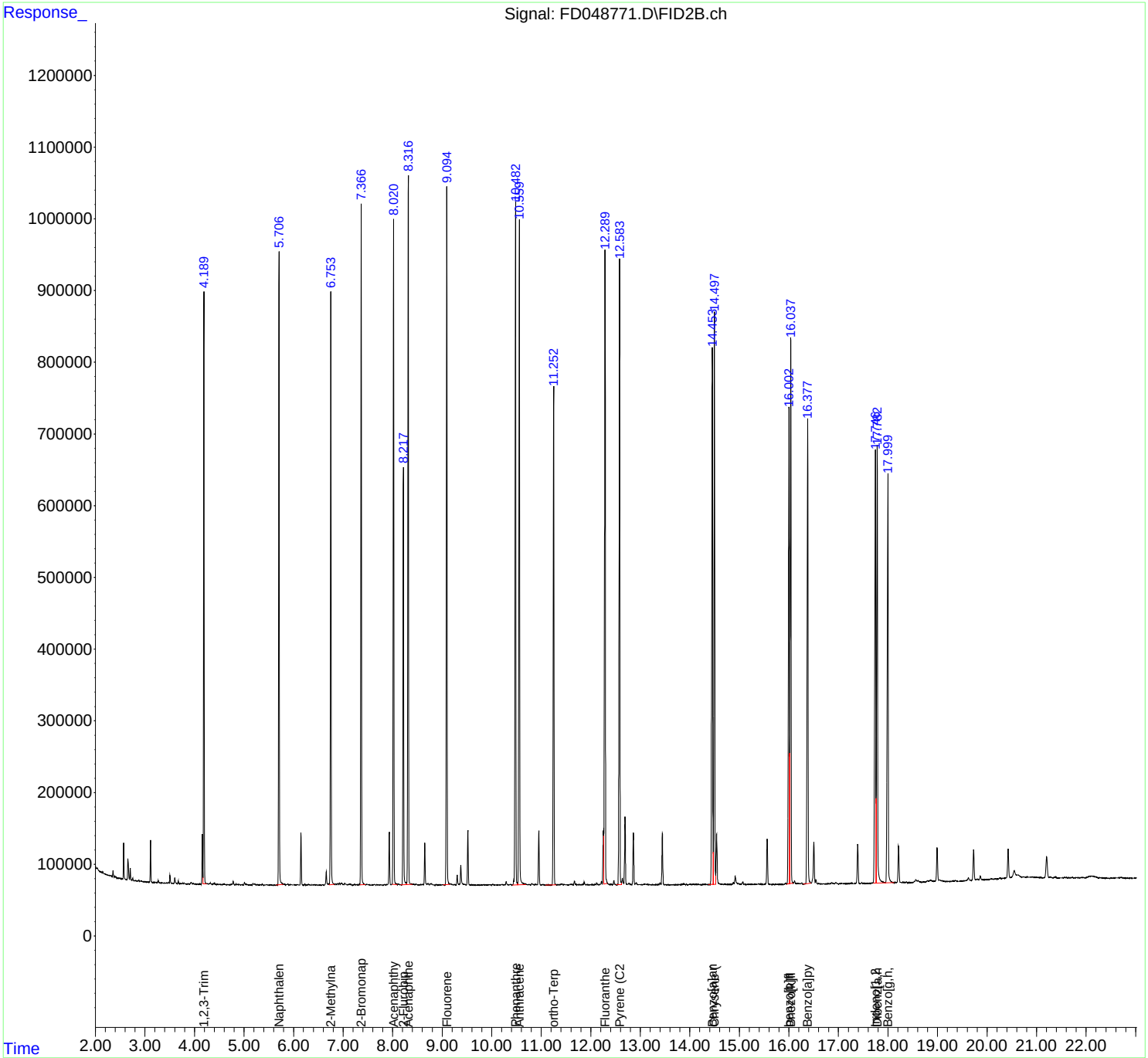
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111824AR\
Data File : FD048771.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 00:17
Operator : YP/AJ
Sample : P4839-22MSD
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
EX-4-TPH-6MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Integration File: sample.E
Quant Time: Nov 19 05:56:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
Quant Title : GC Extractables
QLast Update : Thu Nov 14 14:16:25 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 :
EX-4-TPH-6MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD11182
Data File : FD048771.D
Signal(s) : FID2B.ch
Acq On : 19 Nov 2024 00:17
Sample : P4839-22MSD
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.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	4.109	4.094	4.132	VV	477	5090	0.05%	0.002%
2	4.158	4.132	4.171	VV	69922	592720	5.63%	0.289%
3	4.189	4.171	4.257	VV	825648	6961474	66.14%	3.398%
4	4.270	4.257	4.282	VV	1173	13663	0.13%	0.007%
5	4.321	4.282	4.347	VV	2161	43452	0.41%	0.021%
6	4.353	4.347	4.362	VV	578	3936	0.04%	0.002%
7	4.379	4.362	4.395	VV	1616	18200	0.17%	0.009%
8	4.408	4.395	4.434	VV	2469	23474	0.22%	0.011%
9	4.438	4.434	4.467	VV	392	5542	0.05%	0.003%
10	4.478	4.467	4.492	VV	569	5847	0.06%	0.003%
11	4.503	4.492	4.513	VV	602	5472	0.05%	0.003%
12	4.519	4.513	4.544	VV	595	7427	0.07%	0.004%
13	4.566	4.544	4.572	PV	264	2203	0.02%	0.001%
14	4.596	4.572	4.604	VV	866	11308	0.11%	0.006%
15	4.610	4.604	4.645	VV	967	11354	0.11%	0.006%
16	4.659	4.645	4.671	VV	359	2934	0.03%	0.001%
17	4.678	4.671	4.690	VV	216	1714	0.02%	0.001%
18	4.699	4.690	4.717	VV	457	4127	0.04%	0.002%
19	4.730	4.717	4.735	VV	395	2804	0.03%	0.001%
20	4.756	4.735	4.763	VV	997	10670	0.10%	0.005%
21	4.782	4.763	4.824	VV	5254	62135	0.59%	0.030%
22	4.837	4.824	4.849	VV	1327	12929	0.12%	0.006%
23	4.865	4.849	4.885	VV	1077	13200	0.13%	0.006%
24	4.888	4.885	4.929	VV	487	7351	0.07%	0.004%
25	4.936	4.929	4.947	VV	368	2754	0.03%	0.001%
26	4.951	4.947	4.960	VV	327	2102	0.02%	0.001%
27	4.971	4.960	4.990	VV	589	6056	0.06%	0.003%
28	5.009	4.990	5.034	VV	3871	46326	0.44%	0.023%
29	5.040	5.034	5.046	VV	1076	7645	0.07%	0.004%
30	5.049	5.046	5.067	VV	994	9629	0.09%	0.005%
31	5.070	5.067	5.089	VV	571	4933	0.05%	0.002%
32	5.107	5.089	5.112	VV	409	4108	0.04%	0.002%
33	5.116	5.112	5.131	VV	344	2277	0.02%	0.001%
34	5.147	5.131	5.162	VV	356	3735	0.04%	0.002%
35	5.180	5.162	5.201	VV	2300	31042	0.29%	0.015%
36	5.219	5.201	5.238	VV	2217	27183	0.26%	0.013%

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Instrument :
FID_D
ClientSampleId :
EX-4-TPH-6MSD

rteres

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/19/2024

37	5.259	5.238	5.272	VV	874	14100	0.13%	0.007%
38	5.275	5.272	5.319	VV	770	11856		
39	5.324	5.319	5.327	VV	386	1460		
40	5.343	5.327	5.356	VV	1015	11554		
41	5.368	5.356	5.401	VV	1097	15698		
42	5.419	5.401	5.438	VV	668	9010		
43	5.458	5.438	5.488	VV	1070	16716	0.16%	0.008%
44	5.510	5.488	5.527	PV	530	7639	0.07%	0.004%
45	5.542	5.527	5.573	VV	680	12433	0.12%	0.006%
46	5.584	5.573	5.615	VV	412	6778	0.06%	0.003%
47	5.620	5.615	5.630	VV	361	2609	0.02%	0.001%
48	5.664	5.630	5.678	VV	657	12225	0.12%	0.006%
49	5.706	5.678	5.790	VV	886721	8124701	77.19%	3.965%
50	5.812	5.790	5.832	VV	2100	40347	0.38%	0.020%
51	5.884	5.832	5.916	VV	2032	57685	0.55%	0.028%
52	5.932	5.916	5.946	VV	1285	17844	0.17%	0.009%
53	5.951	5.946	5.964	VV	1052	9905	0.09%	0.005%
54	5.969	5.964	5.995	VV	847	11110	0.11%	0.005%
55	6.009	5.995	6.025	VV	1064	13512	0.13%	0.007%
56	6.033	6.025	6.040	VV	771	5919	0.06%	0.003%
57	6.050	6.040	6.054	VV	658	4874	0.05%	0.002%
58	6.076	6.054	6.106	VV	1021	23837	0.23%	0.012%
59	6.115	6.106	6.123	VV	480	4125	0.04%	0.002%
60	6.150	6.123	6.200	VV	73351	719446	6.83%	0.351%
61	6.233	6.200	6.252	VV	1525	24128	0.23%	0.012%
62	6.269	6.252	6.281	VV	868	9885	0.09%	0.005%
63	6.299	6.281	6.317	VV	1619	21724	0.21%	0.011%
64	6.329	6.317	6.355	VV	861	9734	0.09%	0.005%
65	6.370	6.355	6.392	PV	836	11451	0.11%	0.006%
66	6.399	6.392	6.407	VV	565	4225	0.04%	0.002%
67	6.419	6.407	6.443	VV	1167	15665	0.15%	0.008%
68	6.459	6.443	6.480	VV	829	12566	0.12%	0.006%
69	6.486	6.480	6.507	VV	479	5590	0.05%	0.003%
70	6.521	6.507	6.524	VV	631	4875	0.05%	0.002%
71	6.527	6.524	6.532	VV	615	2657	0.03%	0.001%
72	6.537	6.532	6.554	VV	627	4993	0.05%	0.002%
73	6.559	6.554	6.568	VV	234	2064	0.02%	0.001%
74	6.588	6.568	6.611	VV	1039	13625	0.13%	0.007%
75	6.661	6.611	6.699	VV	19427	245279	2.33%	0.120%
76	6.711	6.699	6.722	VV	1956	23474	0.22%	0.011%
77	6.753	6.722	6.830	VV	830167	8020968	76.20%	3.915%
78	6.846	6.830	6.863	VV	2091	33163	0.32%	0.016%
79	6.893	6.863	6.911	VV	2822	49948	0.47%	0.024%
80	6.926	6.911	6.940	VV	3548	41745	0.40%	0.020%
81	6.958	6.940	6.970	VV	3210	45051	0.43%	0.022%
82	6.979	6.970	6.998	VV	2427	31680	0.30%	0.015%
83	7.003	6.998	7.017	VV	1306	12799	0.12%	0.006%
84	7.033	7.017	7.052	VV	3173	43265	0.41%	0.021%
85	7.065	7.052	7.084	VV	1554	23124	0.22%	0.011%
86	7.096	7.084	7.106	VV	1141	12038	0.11%	0.006%
87	7.133	7.106	7.152	VV	1897	35797	0.34%	0.017%
88	7.158	7.152	7.177	VV	1198	11704	0.11%	0.006%
89	7.186	7.177	7.209	VV	436	5649	0.05%	0.003%

9

Instrument :
FID_D
ClientSampleId :
EX-4-TPH-6MSD

rteres

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 11/19/2024

90	7.231	7.209	7.260	VV	1659	24897	0.24%	0.012%
91	7.280	7.260	7.310	VV	1083	20807		
92	7.326	7.310	7.339	VV	1577	18258		
93	7.367	7.339	7.456	VV	952108	9022624	85	
94	7.487	7.456	7.507	VV	1511	35489		
95	7.512	7.507	7.518	VV	939	6013		
96	7.524	7.518	7.574	VV	1085	18100	0.17%	0.009%
97	7.590	7.574	7.597	VV	523	6305	0.06%	0.003%
98	7.603	7.597	7.610	VV	620	3792	0.04%	0.002%
99	7.631	7.610	7.667	VV	1355	25686	0.24%	0.013%
100	7.682	7.667	7.700	VV	839	12610	0.12%	0.006%
101	7.726	7.700	7.738	VV	717	11998	0.11%	0.006%
102	7.756	7.738	7.780	VV	1073	14650	0.14%	0.007%
103	7.790	7.780	7.802	VV	472	3912	0.04%	0.002%
104	7.809	7.802	7.815	VV	319	2059	0.02%	0.001%
105	7.838	7.815	7.867	VV	1220	21786	0.21%	0.011%
106	7.879	7.867	7.895	VV	1141	13590	0.13%	0.007%
107	7.933	7.895	7.970	VV	74256	796340	7.57%	0.389%
108	7.986	7.970	7.990	VV	1648	13333	0.13%	0.007%
109	8.020	7.990	8.102	VV	929879	9338690	88.72%	4.558%
110	8.115	8.102	8.150	VV	1929	40616	0.39%	0.020%
111	8.162	8.150	8.179	VV	1010	14529	0.14%	0.007%
112	8.217	8.179	8.269	VV	583138	5829587	55.38%	2.845%
113	8.278	8.269	8.285	VV	3233	31326	0.30%	0.015%
114	8.316	8.285	8.382	VV	991832	9956818	94.59%	4.860%
115	8.387	8.382	8.452	VV	1891	54798	0.52%	0.027%
116	8.477	8.452	8.509	VV	1715	39422	0.37%	0.019%
117	8.528	8.509	8.548	VV	1042	16531	0.16%	0.008%
118	8.568	8.548	8.579	VV	967	14880	0.14%	0.007%
119	8.582	8.579	8.589	VV	913	4157	0.04%	0.002%
120	8.608	8.589	8.626	VV	1451	21532	0.20%	0.011%
121	8.650	8.626	8.681	VV	59202	611314	5.81%	0.298%
122	8.685	8.681	8.694	VV	1817	13849	0.13%	0.007%
123	8.714	8.694	8.735	VV	2789	43349	0.41%	0.021%
124	8.763	8.735	8.776	VV	2393	35996	0.34%	0.018%
125	8.790	8.776	8.821	VV	2185	35909	0.34%	0.018%
126	8.834	8.821	8.857	VV	802	8503	0.08%	0.004%
127	8.861	8.857	8.865	VV	317	1016	0.01%	0.000%
128	8.884	8.865	8.911	VV	1154	13384	0.13%	0.007%
129	8.921	8.911	8.929	VV	404	3186	0.03%	0.002%
130	8.941	8.929	8.949	VV	552	5294	0.05%	0.003%
131	8.961	8.949	8.977	VV	704	8488	0.08%	0.004%
132	8.995	8.977	9.005	VV	934	10658	0.10%	0.005%
133	9.021	9.005	9.035	VV	930	12393	0.12%	0.006%
134	9.041	9.035	9.059	VV	627	6904	0.07%	0.003%
135	9.095	9.059	9.157	VV	974064	10021064	95.20%	4.891%
136	9.174	9.157	9.232	VV	2117	54499	0.52%	0.027%
137	9.248	9.232	9.277	VV	1363	21135	0.20%	0.010%
138	9.304	9.277	9.335	VV	14031	171996	1.63%	0.084%
139	9.350	9.335	9.358	VV	1818	21339	0.20%	0.010%
140	9.378	9.358	9.439	VV	28179	371763	3.53%	0.181%
141	9.444	9.439	9.449	VV	1148	6216	0.06%	0.003%

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142	9.457	9.449	9.492	VV	1389	24179	0.23%	0.012%
143	9.520	9.492	9.574	VV	76693	825295		
144	9.598	9.574	9.637	VV	783	18890		
145	9.644	9.637	9.657	VV	336	2662		
146	9.674	9.657	9.680	VV	272	2422		
147	9.689	9.680	9.720	VV	408	5478		
148	9.739	9.720	9.757	VV	424	6255	0.06%	0.003%
149	9.764	9.757	9.770	VV	245	1315	0.01%	0.001%
150	9.792	9.770	9.802	VV	498	7123	0.07%	0.003%
151	9.806	9.802	9.817	VV	397	3259	0.03%	0.002%
152	9.835	9.817	9.859	VV	618	12440	0.12%	0.006%
153	9.863	9.859	9.877	VV	481	3925	0.04%	0.002%
154	9.891	9.877	9.900	VV	425	5049	0.05%	0.002%
155	9.904	9.900	9.928	VV	557	7851	0.07%	0.004%
156	9.947	9.928	9.978	VV	799	16201	0.15%	0.008%
157	9.982	9.978	9.990	VV	565	3505	0.03%	0.002%
158	10.004	9.990	10.006	VV	516	4406	0.04%	0.002%
159	10.023	10.006	10.047	VV	1574	22840	0.22%	0.011%
160	10.050	10.047	10.083	VV	465	6842	0.06%	0.003%
161	10.095	10.083	10.109	VV	734	8510	0.08%	0.004%
162	10.121	10.109	10.125	VV	672	5784	0.05%	0.003%
163	10.140	10.125	10.147	VV	688	7820	0.07%	0.004%
164	10.153	10.147	10.172	VV	685	7441	0.07%	0.004%
165	10.210	10.172	10.229	VV	1366	25404	0.24%	0.012%
166	10.254	10.229	10.273	VV	865	16456	0.16%	0.008%
167	10.293	10.273	10.327	VV	5093	73353	0.70%	0.036%
168	10.336	10.327	10.351	VV	839	9561	0.09%	0.005%
169	10.382	10.351	10.412	VV	1372	26009	0.25%	0.013%
170	10.447	10.412	10.452	VV	6308	55028	0.52%	0.027%
171	10.483	10.452	10.525	VV	953583	10197289	96.88%	4.977%
172	10.560	10.525	10.667	VV	930305	10278480	97.65%	5.017%
173	10.671	10.667	10.703	VV	1935	32148	0.31%	0.016%
174	10.708	10.703	10.735	VV	1229	19072	0.18%	0.009%
175	10.741	10.735	10.745	VV	1084	5207	0.05%	0.003%
176	10.754	10.745	10.790	VV	1391	23865	0.23%	0.012%
177	10.812	10.790	10.865	VV	2203	55915	0.53%	0.027%
178	10.885	10.865	10.905	VV	1229	20797	0.20%	0.010%
179	10.911	10.905	10.915	VV	603	3522	0.03%	0.002%
180	10.953	10.915	10.999	VV	76028	864029	8.21%	0.422%
181	11.002	10.999	11.008	VV	470	2539	0.02%	0.001%
182	11.033	11.008	11.055	VV	1236	19530	0.19%	0.010%
183	11.065	11.055	11.078	VV	435	4524	0.04%	0.002%
184	11.103	11.078	11.125	VV	539	9203	0.09%	0.004%
185	11.137	11.125	11.164	VV	648	7460	0.07%	0.004%
186	11.252	11.194	11.301	VV	695462	7480977	71.07%	3.651%
187	11.317	11.301	11.324	VV	1042	11017	0.10%	0.005%
188	11.331	11.324	11.349	VV	935	12190	0.12%	0.006%
189	11.354	11.349	11.358	VV	609	2702	0.03%	0.001%
190	11.369	11.358	11.384	VV	911	12216	0.12%	0.006%
191	11.417	11.384	11.458	VV	1917	54572	0.52%	0.027%
192	11.466	11.458	11.496	VV	1058	18544	0.18%	0.009%
193	11.501	11.496	11.509	VV	675	4890	0.05%	0.002%
194	11.520	11.509	11.538	VV	668	9004	0.09%	0.004%

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195	11.542	11.538	11.557	VV	444	4568	0.04%	0.002%
196	11.580	11.557	11.592	VV	1302	18854		
197	11.606	11.592	11.634	VV	1533	26958		
198	11.672	11.634	11.695	VV	5469	80694		
199	11.706	11.695	11.732	VV	1095	16429		
200	11.737	11.732	11.742	VV	501	2791		
201	11.751	11.742	11.770	VV	793	11088	0.11%	0.005%
202	11.774	11.770	11.789	VV	720	6860	0.07%	0.003%
203	11.796	11.789	11.801	VV	708	4166	0.04%	0.002%
204	11.835	11.801	11.850	VV	1041	24031	0.23%	0.012%
205	11.868	11.850	11.904	VV	4658	66343	0.63%	0.032%
206	11.908	11.904	11.914	VV	812	4671	0.04%	0.002%
207	11.919	11.914	11.939	VV	872	10166	0.10%	0.005%
208	11.945	11.939	11.969	VV	680	9322	0.09%	0.005%
209	11.985	11.969	11.992	VV	653	7137	0.07%	0.003%
210	11.995	11.992	12.007	VV	668	4831	0.05%	0.002%
211	12.022	12.007	12.057	VV	750	17799	0.17%	0.009%
212	12.085	12.057	12.101	VV	975	20024	0.19%	0.010%
213	12.121	12.101	12.154	VV	3012	46686	0.44%	0.023%
214	12.217	12.154	12.230	VV	5206	80988	0.77%	0.040%
215	12.255	12.230	12.261	VV	76017	717645	6.82%	0.350%
216	12.289	12.261	12.372	VV	881983	10526104	100.00%	5.137%
217	12.376	12.372	12.389	VV	1066	10107	0.10%	0.005%
218	12.393	12.389	12.425	VV	1078	18674	0.18%	0.009%
219	12.433	12.425	12.444	VV	748	6752	0.06%	0.003%
220	12.468	12.444	12.501	VV	6242	83797	0.80%	0.041%
221	12.509	12.501	12.519	VV	720	6670	0.06%	0.003%
222	12.523	12.519	12.542	VV	641	7408	0.07%	0.004%
223	12.583	12.542	12.620	VV	875125	10261370	97.48%	5.008%
224	12.640	12.620	12.665	VV	9131	142844	1.36%	0.070%
225	12.692	12.665	12.735	VV	95296	1139194	10.82%	0.556%
226	12.739	12.735	12.749	VV	1129	8421	0.08%	0.004%
227	12.773	12.749	12.812	VV	2881	53241	0.51%	0.026%
228	12.815	12.812	12.820	VV	826	3302	0.03%	0.002%
229	12.824	12.820	12.828	VV	676	2663	0.03%	0.001%
230	12.862	12.828	12.892	VV	72703	874975	8.31%	0.427%
231	12.917	12.892	12.954	VV	3445	62817	0.60%	0.031%
232	12.958	12.954	12.961	VV	601	2629	0.02%	0.001%
233	12.965	12.961	12.972	VV	642	3890	0.04%	0.002%
234	12.982	12.972	12.994	VV	726	8285	0.08%	0.004%
235	13.006	12.994	13.023	VV	704	9734	0.09%	0.005%
236	13.031	13.023	13.042	VV	604	5789	0.05%	0.003%
237	13.051	13.042	13.064	VV	777	8656	0.08%	0.004%
238	13.094	13.064	13.110	VV	1611	31584	0.30%	0.015%
239	13.117	13.110	13.129	VV	978	9990	0.09%	0.005%
240	13.133	13.129	13.181	VV	971	19242	0.18%	0.009%
241	13.214	13.181	13.225	VV	466	9151	0.09%	0.004%
242	13.239	13.225	13.267	VV	599	11534	0.11%	0.006%
243	13.285	13.267	13.310	VV	619	13061	0.12%	0.006%
244	13.318	13.310	13.335	VV	672	5957	0.06%	0.003%
245	13.400	13.335	13.417	VV	3075	52892	0.50%	0.026%
246	13.446	13.417	13.513	VV	72048	871817	8.28%	0.425%

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247	13.520	13.513	13.525	VV	387	2352	0.02%	0.001%
248	13.539	13.525	13.560	VV	563	7329		
249	13.568	13.560	13.600	VV	223	3208		
250	13.606	13.600	13.625	PV	152	1493		
251	13.634	13.625	13.642	VV	264	1595		
252	13.672	13.642	13.699	VV	461	11187		
253	13.703	13.699	13.727	VV	415	4618	0.04%	0.002%
254	13.739	13.727	13.767	VV	399	6045	0.06%	0.003%
255	13.775	13.767	13.787	VV	505	4898	0.05%	0.002%
256	13.801	13.787	13.824	VV	809	11163	0.11%	0.005%
257	13.833	13.824	13.856	VV	744	12336	0.12%	0.006%
258	13.879	13.856	13.918	VV	1717	33291	0.32%	0.016%
259	13.929	13.918	13.955	VV	539	8917	0.08%	0.004%
260	13.959	13.955	13.962	VV	370	1349	0.01%	0.001%
261	13.975	13.962	13.985	VV	480	5522	0.05%	0.003%
262	14.004	13.985	14.028	VV	1027	16565	0.16%	0.008%
263	14.039	14.028	14.045	VV	550	3950	0.04%	0.002%
264	14.069	14.045	14.117	VV	961	29374	0.28%	0.014%
265	14.121	14.117	14.149	VV	689	10534	0.10%	0.005%
266	14.166	14.149	14.181	VV	605	9266	0.09%	0.005%
267	14.186	14.181	14.201	VV	380	4378	0.04%	0.002%
268	14.215	14.201	14.228	VV	497	5741	0.05%	0.003%
269	14.266	14.234	14.274	VV	492	7696	0.07%	0.004%
270	14.290	14.274	14.299	VV	621	7319	0.07%	0.004%
271	14.307	14.299	14.332	VV	723	10999	0.10%	0.005%
272	14.339	14.332	14.342	VV	386	2189	0.02%	0.001%
273	14.349	14.342	14.368	VV	533	5649	0.05%	0.003%
274	14.381	14.368	14.409	VV	513	8441	0.08%	0.004%
275	14.453	14.409	14.470	VV	750176	9669359	91.86%	4.719%
276	14.497	14.470	14.521	VV	798449	9558352	90.81%	4.665%
277	14.541	14.521	14.631	VV	70672	984113	9.35%	0.480%
278	14.640	14.631	14.655	VV	905	10996	0.10%	0.005%
279	14.659	14.655	14.690	VV	840	12722	0.12%	0.006%
280	14.716	14.690	14.722	VV	782	13723	0.13%	0.007%
281	14.726	14.722	14.745	VV	752	8435	0.08%	0.004%
282	14.777	14.745	14.800	VV	535	14003	0.13%	0.007%
283	14.812	14.800	14.817	VV	459	3879	0.04%	0.002%
284	14.841	14.817	14.855	VV	525	8714	0.08%	0.004%
285	14.876	14.855	14.892	VV	3430	45712	0.43%	0.022%
286	14.916	14.892	15.006	VV	11906	247278	2.35%	0.121%
287	15.011	15.006	15.037	VV	852	12907	0.12%	0.006%
288	15.068	15.037	15.097	VV	3822	64383	0.61%	0.031%
289	15.102	15.097	15.141	VV	581	9247	0.09%	0.005%
290	15.150	15.141	15.160	VV	281	2044	0.02%	0.001%
291	15.165	15.160	15.182	VV	291	2960	0.03%	0.001%
292	15.197	15.182	15.203	VV	497	4665	0.04%	0.002%
293	15.210	15.203	15.238	VV	436	7171	0.07%	0.003%
294	15.255	15.238	15.276	VV	740	12365	0.12%	0.006%
295	15.291	15.276	15.305	VV	538	7213	0.07%	0.004%
296	15.312	15.305	15.332	VV	564	5737	0.05%	0.003%
297	15.347	15.332	15.366	VV	603	9144	0.09%	0.004%
298	15.387	15.366	15.418	VV	891	22177	0.21%	0.011%
299	15.425	15.418	15.431	VV	683	4797	0.05%	0.002%

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300	15.440	15.431	15.472	VV	892	12451	0.12%	0.006%
301	15.482	15.472	15.500	VV	520	6938		
302	15.560	15.500	15.599	VV	63593	822749		
303	15.612	15.599	15.642	VV	690	11763		
304	15.654	15.642	15.662	VV	241	1968		
305	15.686	15.662	15.694	VV	322	3833		
306	15.702	15.694	15.728	VV	424	5633	0.05%	0.003%
307	15.739	15.728	15.757	PV	255	2167	0.02%	0.001%
308	15.763	15.757	15.783	VV	251	1370	0.01%	0.001%
309	15.818	15.783	15.837	VV	407	6870	0.07%	0.003%
310	15.866	15.847	15.875	PV	330	2581	0.02%	0.001%
311	15.889	15.875	15.899	VV	338	3174	0.03%	0.002%
312	15.929	15.899	15.958	VV	2008	38044	0.36%	0.019%
313	16.002	15.958	16.015	VV	666187	9217980	87.57%	4.499%
314	16.037	16.015	16.093	VV	764057	9191243	87.32%	4.486%
315	16.113	16.093	16.145	VV	4988	83283	0.79%	0.041%
316	16.167	16.145	16.226	VV	1768	51757	0.49%	0.025%
317	16.257	16.226	16.286	VV	1952	36235	0.34%	0.018%
318	16.293	16.286	16.306	VV	604	6477	0.06%	0.003%
319	16.311	16.306	16.320	VV	591	3673	0.03%	0.002%
320	16.326	16.320	16.329	VV	514	2472	0.02%	0.001%
321	16.378	16.329	16.447	VV	649204	8689339	82.55%	4.241%
322	16.502	16.447	16.529	VV	58757	893719	8.49%	0.436%
323	16.544	16.529	16.621	VV	6270	105931	1.01%	0.052%
324	16.629	16.621	16.642	VV	491	4812	0.05%	0.002%
325	16.647	16.642	16.652	VV	429	2068	0.02%	0.001%
326	16.667	16.652	16.674	VV	464	4826	0.05%	0.002%
327	16.700	16.674	16.705	VV	504	7694	0.07%	0.004%
328	16.711	16.705	16.726	VV	462	4565	0.04%	0.002%
329	16.732	16.726	16.736	VV	388	1988	0.02%	0.001%
330	16.741	16.736	16.760	VV	475	4303	0.04%	0.002%
331	16.794	16.760	16.809	VV	621	12532	0.12%	0.006%
332	16.819	16.809	16.841	VV	691	8659	0.08%	0.004%
333	16.867	16.841	16.902	VV	1564	36107	0.34%	0.018%
334	16.908	16.902	16.917	VV	589	4544	0.04%	0.002%
335	16.948	16.917	17.002	VV	2196	44956	0.43%	0.022%
336	17.014	17.002	17.025	PV	260	2846	0.03%	0.001%
337	17.035	17.025	17.045	VV	489	4022	0.04%	0.002%
338	17.066	17.045	17.112	VV	689	17395	0.17%	0.008%
339	17.121	17.112	17.128	VV	484	3517	0.03%	0.002%
340	17.132	17.128	17.157	VV	411	5060	0.05%	0.002%
341	17.162	17.157	17.174	VV	237	2183	0.02%	0.001%
342	17.191	17.174	17.198	VV	439	4313	0.04%	0.002%
343	17.243	17.198	17.257	VV	804	17267	0.16%	0.008%
344	17.278	17.257	17.318	VV	914	20495	0.19%	0.010%
345	17.388	17.318	17.425	VV	55312	760340	7.22%	0.371%
346	17.433	17.425	17.443	VV	475	3470	0.03%	0.002%
347	17.449	17.443	17.453	VV	273	1221	0.01%	0.001%
348	17.474	17.453	17.501	VV	1293	18336	0.17%	0.009%
349	17.523	17.509	17.551	VV	369	4933	0.05%	0.002%
350	17.556	17.551	17.561	VV	300	1221	0.01%	0.001%
351	17.583	17.561	17.597	VV	306	3511	0.03%	0.002%

9

Instrument :
FID_D
ClientSampleId :
EX-4-TPH-6MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :Ankita Jodhani 11/19/2024

rteres

352	17.603	17.597	17.626	VV	229	1586	0.02%	0.001%
353	17.648	17.626	17.654	PV	379	2846	0	
354	17.682	17.654	17.695	VV	840	14173	0	
355	17.746	17.695	17.759	VV	600103	8607331	81	
356	17.783	17.759	17.951	VV	608980	8199801	77	
357	17.999	17.951	18.105	VV	570749	8226142	78	
358	18.111	18.105	18.126	VV	482	4240	0.04%	0.002%
359	18.139	18.126	18.149	PV	253	2192	0.02%	0.001%
360	18.171	18.149	18.176	VV	229	2314	0.02%	0.001%

Sum of corrected areas: 204893017

Aromatic EPH 111424.M Tue Nov 19 06:21:25 2024

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Manual Integration Report

Sequence:	FC111424AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
5 PPM ALIPHATIC HC	FC067752.D	n-Hexatriacontane (C36)	yogesh	11/15/2024 9:29:46 AM	Ankita	11/15/2024 10:13:22	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC111824AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4839-21	FC067803.D	1-chlorooctadecane (SURR)	yogesh	11/19/2024 8:13:54 AM	Ankita	11/19/2024 4:48:38	Peak Integrated by Software
PB165032BS	FC067808.D	n-Tetracontane (C40)	yogesh	11/19/2024 8:13:55 AM	Ankita	11/19/2024 4:48:41	Peak Integrated by Software
P4839-22MSD	FC067812.D	n-Dodecane (C12)	yogesh	11/19/2024 8:13:57 AM	Ankita	11/19/2024 4:48:42	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD111424AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
10 PPM AROMATIC HC	FD048732.D	Acenaphthylene (C15.06)	yogesh	11/15/2024 9:30:06 AM	Ankita	11/15/2024 10:08:28	Peak Integrated by Software
5 PPM AROMATIC HC	FD048733.D	Acenaphthylene (C15.06)	yogesh	11/15/2024 9:30:08 AM	Ankita	11/15/2024 10:08:30	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD111824AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD048757.D	benzo[b]fluoranthene (C30.41)	yogesh	11/19/2024 9:14:39 AM	Ankita	11/19/2024 4:49:00	Peak Integrated by Software
20 PPM AROMATIC HC	FD048757.D	Bnezo[k]fluoranthene (C30.14)	yogesh	11/19/2024 9:14:39 AM	Ankita	11/19/2024 4:49:00	Peak Integrated by Software
P4839-21	FD048762.D	2-Bromonaphthalene (SURR)	yogesh	11/19/2024 9:14:42 AM	Ankita	11/19/2024 4:49:01	Peak Integrated by Software
PB165032BS	FD048767.D	Fluoranthene (C21.85)	yogesh	11/19/2024 9:14:43 AM	Ankita	11/19/2024 4:49:03	Peak Integrated by Software
PB165032BSD	FD048768.D	Fluoranthene (C21.85)	yogesh	11/19/2024 9:14:44 AM	Ankita	11/19/2024 4:49:04	Peak Integrated by Software
P4839-22MS	FD048770.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	11/19/2024 9:14:46 AM	Ankita	11/19/2024 4:49:05	Peak Integrated by Software
P4839-22MS	FD048770.D	Fluoranthene (C21.85)	yogesh	11/19/2024 9:14:46 AM	Ankita	11/19/2024 4:49:05	Peak Integrated by Software
P4839-22MSD	FD048771.D	Fluoranthene (C21.85)	yogesh	11/19/2024 9:14:48 AM	Ankita	11/19/2024 4:49:07	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF111524AR	Instrument	FID_f

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

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Manual Integration Report

Sequence:	FF111924AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PP23988	FF015094.D	Bnezo[k]fluoranthene (C30.14)	yogesh	11/20/2024 11:53:21 AM	Ankita	11/21/2024 10:02:32	Peak Integrated by Software
PP23988	FF015094.D	Dibenz[a,h]anthracene (C30.36)	yogesh	11/20/2024 11:53:21 AM	Ankita	11/21/2024 10:02:32	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG111424AL	Instrument	FID_g

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

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

Manual Integration Report

Sequence:	FG111924AL	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4860-02	FG014869.D	1-chlorooctadecane (SURR)	yogesh	11/20/2024 11:53:38 AM	Ankita	11/21/2024 10:02:10	Peak Integrated by Software
PB165088BS	FG014873.D	n-Tetracosane (C24)	yogesh	11/20/2024 11:53:39 AM	Ankita	11/21/2024 10:02:13	Peak Integrated by Software
PB165088BSD	FG014874.D	n-Tetracosane (C24)	yogesh	11/20/2024 11:53:40 AM	Ankita	11/21/2024 10:02:16	Peak Integrated by Software
P4910-01D	FG014876.D	1-chlorooctadecane (SURR)	yogesh	11/20/2024 11:53:42 AM	Ankita	11/21/2024 10:02:17	Peak Integrated by Software
P4910-01MS	FG014877.D	n-Tetracosane (C24)	yogesh	11/20/2024 11:53:43 AM	Ankita	11/21/2024 10:02:18	Peak Integrated by Software
P4910-01MSD	FG014878.D	n-Tetracosane (C24)	yogesh	11/20/2024 11:53:46 AM	Ankita	11/21/2024 10:02:20	Peak Integrated by Software

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC111424AL

Review By	yogesh	Review On	11/14/2024 11:18:40 AM		
Supervise By	Ankita	Supervise On	11/15/2024 10:13:25 AM		
SubDirectory	FC111424AL	HP Acquire Method		HP Processing Method	FC111424AL

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	FC067746.D	14 Nov 2024 08:52	YP/AJ	Ok
2	I.BLK	FC067747.D	14 Nov 2024 09:27	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC067748.D	14 Nov 2024 10:39	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC067749.D	14 Nov 2024 11:15	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC067750.D	14 Nov 2024 11:51	YP/AJ	Ok
6	10 PPM ALIHPHATIC HC STD4	FC067751.D	14 Nov 2024 12:27	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC067752.D	14 Nov 2024 13:03	YP/AJ	Ok,M
8	20 PPM ALIPHATIC HC STD ICV	FC067753.D	14 Nov 2024 13:49	YP/AJ	Ok
9	I.BLK	FC067754.D	14 Nov 2024 14:24	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067755.D	14 Nov 2024 15:00	YP/AJ	Ok
11	PB164966BL	FC067756.D	14 Nov 2024 15:36	YP/AJ	Ok
12	PB164966BS	FC067757.D	14 Nov 2024 16:13	YP/AJ	Ok
13	PB164966BSD	FC067758.D	14 Nov 2024 16:49	YP/AJ	Ok
14	P4833-01	FC067759.D	14 Nov 2024 17:25	YP/AJ	Ok
15	P4833-01D	FC067760.D	14 Nov 2024 18:02	YP/AJ	Ok
16	P4833-01MS	FC067761.D	14 Nov 2024 18:38	YP/AJ	Ok
17	P4833-01MSD	FC067762.D	14 Nov 2024 19:14	YP/AJ	Ok
18	P4833-02	FC067763.D	15 Nov 2024 02:06	YP/AJ	Ok
19	P4833-05	FC067764.D	15 Nov 2024 02:41	YP/AJ	Ok
20	P4833-06	FC067765.D	15 Nov 2024 03:17	YP/AJ	Ok
21	I.BLK	FC067766.D	15 Nov 2024 04:58	YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC111424AL

Review By	yogesh	Review On	11/14/2024 11:18:40 AM		
Supervise By	Ankita	Supervise On	11/15/2024 10:13:25 AM		
SubDirectory	FC111424AL	HP Acquire Method		HP Processing Method	FC111424AL

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	FC067767.D	15 Nov 2024 05:34	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC111824AL

Review By	yogesh	Review On	11/18/2024 12:56:08 PM		
Supervise By	Ankita	Supervise On	11/19/2024 4:48:46 PM		
SubDirectory	FC111824AL	HP Acquire Method		HP Processing Method	FC111424AL

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	FC067796.D	18 Nov 2024 07:38	YP/AJ	Ok
2	I.BLK	FC067797.D	18 Nov 2024 08:13	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067798.D	18 Nov 2024 08:49	YP/AJ	Ok
4	P4839-07DL	FC067799.D	18 Nov 2024 09:25	YP/AJ	Ok
5	P4839-09DL	FC067800.D	18 Nov 2024 10:02	YP/AJ	Ok
6	P4839-10DL	FC067801.D	18 Nov 2024 10:38	YP/AJ	Not Ok
7	P4839-13DL	FC067802.D	18 Nov 2024 11:41	YP/AJ	Ok
8	P4839-21	FC067803.D	18 Nov 2024 12:18	YP/AJ	Dilution
9	P4839-22	FC067804.D	18 Nov 2024 12:55	YP/AJ	Ok
10	I.BLK	FC067805.D	18 Nov 2024 14:15	YP/AJ	Ok
11	20 PPM ALIPHATIC HC STD	FC067806.D	18 Nov 2024 14:50	YP/AJ	Ok
12	PB165032BL	FC067807.D	18 Nov 2024 15:27	YP/AJ	Ok
13	PB165032BS	FC067808.D	18 Nov 2024 16:03	YP/AJ	Ok,M
14	PB165032BSD	FC067809.D	18 Nov 2024 16:39	YP/AJ	Ok
15	P4839-22D	FC067810.D	18 Nov 2024 17:16	YP/AJ	Ok
16	P4839-22MS	FC067811.D	18 Nov 2024 23:41	YP/AJ	Ok
17	P4839-22MSD	FC067812.D	19 Nov 2024 00:17	YP/AJ	Ok,M
18	P4860-03	FC067813.D	19 Nov 2024 00:53	YP/AJ	Ok
19	P4860-04	FC067814.D	19 Nov 2024 02:45	YP/AJ	Ok
20	P4860-06	FC067815.D	19 Nov 2024 07:59	YP/AJ	Ok
21	P4860-05	FC067816.D	19 Nov 2024 08:37	YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC111824AL

Review By	yogesh	Review On	11/18/2024 12:56:08 PM		
Supervise By	Ankita	Supervise On	11/19/2024 4:48:46 PM		
SubDirectory	FC111824AL	HP Acquire Method		HP Processing Method	FC111424AL

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	I.BLK	FC067817.D	19 Nov 2024 09:20	YP/AJ	Ok
23	20 PPM ALIPHATIC HC STD	FC067818.D	19 Nov 2024 10:04	YP/AJ	Ok
24	P4839-11DL	FC067819.D	19 Nov 2024 10:40	YP/AJ	Ok
25	P4839-21DL	FC067820.D	19 Nov 2024 11:17	YP/AJ	Dilution
26	P4839-21DL2	FC067821.D	19 Nov 2024 11:54	YP/AJ	Ok
27	I.BLK	FC067822.D	19 Nov 2024 12:32	YP/AJ	Ok
28	20 PPM ALIPHATIC HC STD	FC067823.D	19 Nov 2024 13:09	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD111424AR

Review By	yogesh	Review On	11/14/2024 11:28:45 AM		
Supervise By	Ankita	Supervise On	11/15/2024 10:08:51 AM		
SubDirectory	FD111424AR	HP Acquire Method		HP Processing Method	FD111424AR

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	FD048727.D	14 Nov 2024 08:52	YP/AJ	Ok
2	I.BLK	FD048728.D	14 Nov 2024 09:27	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD048729.D	14 Nov 2024 10:39	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD048730.D	14 Nov 2024 11:15	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD048731.D	14 Nov 2024 11:51	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD048732.D	14 Nov 2024 12:27	YP/AJ	Ok,M
7	5 PPM AROMATIC HC STD5	FD048733.D	14 Nov 2024 13:03	YP/AJ	Ok,M
8	20 PPM AROMATIC HC STD ICV	FD048734.D	14 Nov 2024 13:49	YP/AJ	Ok
9	I.BLK	FD048735.D	14 Nov 2024 14:24	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048736.D	14 Nov 2024 15:00	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD111824AR

Review By	yogesh	Review On	11/18/2024 12:57:00 PM		
Supervise By	Ankita	Supervise On	11/19/2024 4:49:11 PM		
SubDirectory	FD111824AR	HP Acquire Method		HP Processing Method	FD111424AR

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	FD048755.D	18 Nov 2024 07:38	YP/AJ	Ok
2	I.BLK	FD048756.D	18 Nov 2024 08:13	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048757.D	18 Nov 2024 08:49	YP/AJ	Ok,M
4	P4839-09DL	FD048758.D	18 Nov 2024 09:25	YP/AJ	Ok
5	P4839-13DL	FD048759.D	18 Nov 2024 10:02	YP/AJ	Ok
6	P4860-01	FD048760.D	18 Nov 2024 10:38	YP/AJ	Ok
7	P4860-02	FD048761.D	18 Nov 2024 11:41	YP/AJ	Ok
8	P4839-21	FD048762.D	18 Nov 2024 12:18	YP/AJ	Dilution
9	P4839-22	FD048763.D	18 Nov 2024 12:55	YP/AJ	Ok
10	I.BLK	FD048764.D	18 Nov 2024 14:15	YP/AJ	Ok
11	20 PPM AROMATIC HC STD	FD048765.D	18 Nov 2024 14:50	YP/AJ	Ok
12	PB165032BL	FD048766.D	18 Nov 2024 15:27	YP/AJ	Ok
13	PB165032BS	FD048767.D	18 Nov 2024 16:03	YP/AJ	Ok,M
14	PB165032BSD	FD048768.D	18 Nov 2024 16:39	YP/AJ	Ok,M
15	P4839-22D	FD048769.D	18 Nov 2024 17:16	YP/AJ	Ok
16	P4839-22MS	FD048770.D	18 Nov 2024 23:41	YP/AJ	Ok,M
17	P4839-22MSD	FD048771.D	19 Nov 2024 00:17	YP/AJ	Ok,M
18	P4860-03	FD048772.D	19 Nov 2024 00:53	YP/AJ	Ok
19	P4860-04	FD048773.D	19 Nov 2024 02:45	YP/AJ	Ok
20	P4860-06	FD048774.D	19 Nov 2024 07:59	YP/AJ	Ok
21	P4860-05	FD048775.D	19 Nov 2024 08:37	YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD111824AR

Review By	yogesh	Review On	11/18/2024 12:57:00 PM		
Supervise By	Ankita	Supervise On	11/19/2024 4:49:11 PM		
SubDirectory	FD111824AR	HP Acquire Method		HP Processing Method	FD111424AR

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	

22	I.BLK	FD048776.D	19 Nov 2024 09:20	YP/AJ	Ok
23	20 PPM AROMATIC HC STD	FD048777.D	19 Nov 2024 10:04	YP/AJ	Ok
24	P4839-21DL	FD048778.D	19 Nov 2024 10:40	YP/AJ	Ok
25	I.BLK	FD048779.D	19 Nov 2024 11:17	YP/AJ	Ok
26	20 PPM AROMATIC HC STD	FD048780.D	19 Nov 2024 11:54	YP/AJ	Ok
27	P4839-02	FD048781.D	19 Nov 2024 13:45	YP/AJ	Ok
28	I.BLK	FD048782.D	19 Nov 2024 14:59	YP/AJ	Ok
29	20 PPM AROMATIC HC STD	FD048783.D	19 Nov 2024 15:36	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF111524AR

Review By	yogesh	Review On	11/14/2024 3:44:42 PM		
Supervise By	Ankita	Supervise On	11/15/2024 9:15:19 AM		
SubDirectory	FF111524AR	HP Acquire Method		HP Processing Method	FF111524AR

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	FF015041.D	14 Nov 2024 16:37	YP\AJ	Ok
2	I.BLK	FF015042.D	14 Nov 2024 17:05	YP\AJ	Ok
3	100 PPM AROMATIC HC STD1	FF015043.D	14 Nov 2024 17:34	YP\AJ	Ok
4	50 PPM AROMATIC HC STD2	FF015044.D	14 Nov 2024 18:02	YP\AJ	Ok
5	20 PPM AROMATIC HC STD3	FF015045.D	14 Nov 2024 18:30	YP\AJ	Ok
6	10 PPM AROMATIC HC STD4	FF015046.D	14 Nov 2024 18:58	YP\AJ	Ok
7	5 PPM AROMATIC HC STD5	FF015047.D	14 Nov 2024 19:27	YP\AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FF015048.D	14 Nov 2024 19:55	YP\AJ	Ok
9	I.BLK	FF015049.D	14 Nov 2024 20:52	YP\AJ	Ok
10	20 PPM AROMATIC HC STD	FF015050.D	14 Nov 2024 21:20	YP\AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF111924AR

Review By	yogesh	Review On	11/19/2024 12:19:41 PM		
Supervise By	Ankita	Supervise On	11/21/2024 10:02:38 AM		
SubDirectory	FF111924AR	HP Acquire Method		HP Processing Method	FF111524AR

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	FF015091.D	19 Nov 2024 08:39	YP\AJ	Ok
2	I.BLK	FF015092.D	19 Nov 2024 09:08	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FF015093.D	19 Nov 2024 10:15	YP\AJ	Ok
4	PP23988	FF015094.D	19 Nov 2024 10:51	YP\AJ	Ok,M
5	P4860-07	FF015095.D	19 Nov 2024 11:19	YP\AJ	Ok
6	P4860-08	FF015096.D	19 Nov 2024 11:47	YP\AJ	Ok
7	P4860-09	FF015097.D	19 Nov 2024 12:16	YP\AJ	Ok
8	P4860-10	FF015098.D	19 Nov 2024 12:44	YP\AJ	Ok
9	I.BLK	FF015099.D	19 Nov 2024 13:43	YP\AJ	Ok
10	20 PPM AROMATIC HC STD	FF015100.D	19 Nov 2024 14:11	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG111424AL

Review By	yogesh	Review On	11/14/2024 3:47:34 PM		
Supervise By	Ankita	Supervise On	11/15/2024 9:15:07 AM		
SubDirectory	FG111424AL	HP Acquire Method		HP Processing Method	FG111424AL

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	FG014779.D	14 Nov 2024 13:20	YP\AJ	Ok
2	I.BLK	FG014780.D	14 Nov 2024 13:48	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FG014781.D	14 Nov 2024 14:16	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FG014782.D	14 Nov 2024 14:44	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FG014783.D	14 Nov 2024 15:12	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FG014784.D	14 Nov 2024 15:41	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FG014785.D	14 Nov 2024 16:09	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FG014786.D	14 Nov 2024 16:37	YP\AJ	Ok
9	I.BLK	FG014787.D	14 Nov 2024 17:34	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FG014788.D	14 Nov 2024 18:02	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG111924AL

Review By	yogesh	Review On	11/19/2024 12:22:16 PM		
Supervise By	Ankita	Supervise On	11/21/2024 10:02:24 AM		
SubDirectory	FG111924AL	HP Acquire Method		HP Processing Method	FG111424AL

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	FG014860.D	19 Nov 2024 08:39	YP\AJ	Ok
2	I.BLK	FG014861.D	19 Nov 2024 09:08	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FG014862.D	19 Nov 2024 10:15	YP\AJ	Ok
4	PP23989	FG014863.D	19 Nov 2024 10:51	YP\AJ	Ok
5	P4860-07	FG014864.D	19 Nov 2024 11:19	YP\AJ	Ok
6	P4860-08	FG014865.D	19 Nov 2024 11:47	YP\AJ	Ok
7	P4860-09	FG014866.D	19 Nov 2024 12:16	YP\AJ	Ok
8	P4860-10	FG014867.D	19 Nov 2024 12:44	YP\AJ	Ok
9	P4860-01	FG014868.D	19 Nov 2024 13:12	YP\AJ	Ok
10	P4860-02	FG014869.D	19 Nov 2024 13:43	YP\AJ	Ok,M
11	I.BLK	FG014870.D	19 Nov 2024 14:11	YP\AJ	Ok
12	20 PPM ALIPHATIC HC STD	FG014871.D	19 Nov 2024 14:40	YP\AJ	Ok
13	PB165088BL	FG014872.D	19 Nov 2024 15:12	YP\AJ	Ok
14	PB165088BS	FG014873.D	19 Nov 2024 15:40	YP\AJ	Ok,M
15	PB165088BSD	FG014874.D	19 Nov 2024 16:09	YP\AJ	Ok,M
16	P4910-01	FG014875.D	19 Nov 2024 16:37	YP\AJ	Ok
17	P4910-01D	FG014876.D	19 Nov 2024 17:05	YP\AJ	Ok,M
18	P4910-01MS	FG014877.D	19 Nov 2024 17:34	YP\AJ	Ok,M
19	P4910-01MSD	FG014878.D	19 Nov 2024 18:02	YP\AJ	Ok,M
20	P4910-02	FG014879.D	19 Nov 2024 18:30	YP\AJ	Ok
21	I.BLK	FG014880.D	19 Nov 2024 18:59	YP\AJ	Ok

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG111924AL

Review By	yogesh	Review On	11/19/2024 12:22:16 PM		
Supervise By	Ankita	Supervise On	11/21/2024 10:02:24 AM		
SubDirectory	FG111924AL	HP Acquire Method		HP Processing Method	FG111424AL

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	FG014881.D	19 Nov 2024 19:27	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC111424AL

Review By	yogesh	Review On	11/14/2024 11:18:40 AM		
Supervise By	Ankita	Supervise On	11/15/2024 10:13:25 AM		
SubDirectory	FC111424AL	HP Acquire Method		HP Processing Method	FC111424AL

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	FC067746.D	14 Nov 2024 08:52		YP/AJ	Ok
2	I.BLK	I.BLK	FC067747.D	14 Nov 2024 09:27		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC067748.D	14 Nov 2024 10:39		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC067749.D	14 Nov 2024 11:15		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067750.D	14 Nov 2024 11:51		YP/AJ	Ok
6	10 PPM ALIHPHATIC H	10 PPM ALIHPHATIC H	FC067751.D	14 Nov 2024 12:27		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC067752.D	14 Nov 2024 13:03		YP/AJ	Ok,M
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067753.D	14 Nov 2024 13:49		YP/AJ	Ok
9	I.BLK	I.BLK	FC067754.D	14 Nov 2024 14:24		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067755.D	14 Nov 2024 15:00		YP/AJ	Ok
11	PB164966BL	PB164966BL	FC067756.D	14 Nov 2024 15:36		YP/AJ	Ok
12	PB164966BS	PB164966BS	FC067757.D	14 Nov 2024 16:13		YP/AJ	Ok
13	PB164966BSD	PB164966BSD	FC067758.D	14 Nov 2024 16:49		YP/AJ	Ok
14	P4833-01	MH-731	FC067759.D	14 Nov 2024 17:25		YP/AJ	Ok
15	P4833-01D	P4833-01D	FC067760.D	14 Nov 2024 18:02		YP/AJ	Ok
16	P4833-01MS	MH-731MS	FC067761.D	14 Nov 2024 18:38	FC067759.D	YP/AJ	Ok
17	P4833-01MSD	P4833-01MSD	FC067762.D	14 Nov 2024 19:14	FC067759.D!FC067762.D	YP/AJ	Ok
18	P4833-02	MH-731-EPH	FC067763.D	15 Nov 2024 02:06		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC111424AL

Review By	yogesh	Review On	11/14/2024 11:18:40 AM		
Supervise By	Ankita	Supervise On	11/15/2024 10:13:25 AM		
SubDirectory	FC111424AL	HP Acquire Method		HP Processing Method	FC111424AL

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	P4833-05	TP-2	FC067764.D	15 Nov 2024 02:41		YP/AJ	Ok
20	P4833-06	TP-2-EPH	FC067765.D	15 Nov 2024 03:17		YP/AJ	Ok
21	I.BLK	I.BLK	FC067766.D	15 Nov 2024 04:58		YP/AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067767.D	15 Nov 2024 05:34		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC111824AL

Review By	yogesh	Review On	11/18/2024 12:56:08 PM		
Supervise By	Ankita	Supervise On	11/19/2024 4:48:46 PM		
SubDirectory	FC111824AL	HP Acquire Method		HP Processing Method	FC111424AL

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	FC067796.D	18 Nov 2024 07:38		YP/AJ	Ok
2	I.BLK	I.BLK	FC067797.D	18 Nov 2024 08:13		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067798.D	18 Nov 2024 08:49		YP/AJ	Ok
4	P4839-07DL	EX-9-TPH-15DL	FC067799.D	18 Nov 2024 09:25		YP/AJ	Ok
5	P4839-09DL	EX-9-TPH-17DL	FC067800.D	18 Nov 2024 10:02		YP/AJ	Ok
6	P4839-10DL	P4839-10DL	FC067801.D	18 Nov 2024 10:38	not required	YP/AJ	Not Ok
7	P4839-13DL	EX-9-TPH-21DL	FC067802.D	18 Nov 2024 11:41		YP/AJ	Ok
8	P4839-21	EX-4-TPH-5	FC067803.D	18 Nov 2024 12:18	Need 10X,20X	YP/AJ	Dilution
9	P4839-22	EX-4-TPH-6	FC067804.D	18 Nov 2024 12:55		YP/AJ	Ok
10	I.BLK	I.BLK	FC067805.D	18 Nov 2024 14:15		YP/AJ	Ok
11	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067806.D	18 Nov 2024 14:50		YP/AJ	Ok
12	PB165032BL	PB165032BL	FC067807.D	18 Nov 2024 15:27		YP/AJ	Ok
13	PB165032BS	PB165032BS	FC067808.D	18 Nov 2024 16:03		YP/AJ	Ok,M
14	PB165032BSD	PB165032BSD	FC067809.D	18 Nov 2024 16:39		YP/AJ	Ok
15	P4839-22D	P4839-22D	FC067810.D	18 Nov 2024 17:16		YP/AJ	Ok
16	P4839-22MS	EX-4-TPH-6MS	FC067811.D	18 Nov 2024 23:41	FC067804.D	YP/AJ	Ok
17	P4839-22MSD	EX-4-TPH-6MSD	FC067812.D	19 Nov 2024 00:17	FC067804.D!FC067811.D	YP/AJ	Ok,M
18	P4860-03	PH2-BOT-002	FC067813.D	19 Nov 2024 00:53		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC111824AL

Review By	yogesh	Review On	11/18/2024 12:56:08 PM		
Supervise By	Ankita	Supervise On	11/19/2024 4:48:46 PM		
SubDirectory	FC111824AL	HP Acquire Method		HP Processing Method	FC111424AL

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	P4860-04	PH2-BOT-003	FC067814.D	19 Nov 2024 02:45		YP/AJ	Ok
20	P4860-06	PH2-BOT-009	FC067815.D	19 Nov 2024 07:59		YP/AJ	Ok
21	P4860-05	PH2-BOT-004	FC067816.D	19 Nov 2024 08:37		YP/AJ	Ok
22	I.BLK	I.BLK	FC067817.D	19 Nov 2024 09:20		YP/AJ	Ok
23	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067818.D	19 Nov 2024 10:04		YP/AJ	Ok
24	P4839-11DL	EX-9-TPH-19DL	FC067819.D	19 Nov 2024 10:40		YP/AJ	Ok
25	P4839-21DL	EX-4-TPH-5DL	FC067820.D	19 Nov 2024 11:17	Need-more Dilution	YP/AJ	Dilution
26	P4839-21DL2	EX-4-TPH-5DL2	FC067821.D	19 Nov 2024 11:54		YP/AJ	Ok
27	I.BLK	I.BLK	FC067822.D	19 Nov 2024 12:32		YP/AJ	Ok
28	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067823.D	19 Nov 2024 13:09		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD111424AR

Review By	yogesh	Review On	11/14/2024 11:28:45 AM		
Supervise By	Ankita	Supervise On	11/15/2024 10:08:51 AM		
SubDirectory	FD111424AR	HP Acquire Method		HP Processing Method	FD111424AR

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	FD048727.D	14 Nov 2024 08:52		YP/AJ	Ok
2	I.BLK	I.BLK	FD048728.D	14 Nov 2024 09:27		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD048729.D	14 Nov 2024 10:39		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD048730.D	14 Nov 2024 11:15		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048731.D	14 Nov 2024 11:51		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD048732.D	14 Nov 2024 12:27		YP/AJ	Ok,M
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD048733.D	14 Nov 2024 13:03		YP/AJ	Ok,M
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048734.D	14 Nov 2024 13:49		YP/AJ	Ok
9	I.BLK	I.BLK	FD048735.D	14 Nov 2024 14:24		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048736.D	14 Nov 2024 15:00		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD111824AR

Review By	yogesh	Review On	11/18/2024 12:57:00 PM		
Supervise By	Ankita	Supervise On	11/19/2024 4:49:11 PM		
SubDirectory	FD111824AR	HP Acquire Method		HP Processing Method	FD111424AR

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	FD048755.D	18 Nov 2024 07:38		YP/AJ	Ok
2	I.BLK	I.BLK	FD048756.D	18 Nov 2024 08:13		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048757.D	18 Nov 2024 08:49		YP/AJ	Ok,M
4	P4839-09DL	EX-9-TPH-17DL	FD048758.D	18 Nov 2024 09:25		YP/AJ	Ok
5	P4839-13DL	EX-9-TPH-21DL	FD048759.D	18 Nov 2024 10:02		YP/AJ	Ok
6	P4860-01	DUP-01	FD048760.D	18 Nov 2024 10:38		YP/AJ	Ok
7	P4860-02	PH2-BOT-001	FD048761.D	18 Nov 2024 11:41		YP/AJ	Ok
8	P4839-21	EX-4-TPH-5	FD048762.D	18 Nov 2024 12:18	Need 10X	YP/AJ	Dilution
9	P4839-22	EX-4-TPH-6	FD048763.D	18 Nov 2024 12:55		YP/AJ	Ok
10	I.BLK	I.BLK	FD048764.D	18 Nov 2024 14:15		YP/AJ	Ok
11	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048765.D	18 Nov 2024 14:50		YP/AJ	Ok
12	PB165032BL	PB165032BL	FD048766.D	18 Nov 2024 15:27		YP/AJ	Ok
13	PB165032BS	PB165032BS	FD048767.D	18 Nov 2024 16:03		YP/AJ	Ok,M
14	PB165032BSD	PB165032BSD	FD048768.D	18 Nov 2024 16:39		YP/AJ	Ok,M
15	P4839-22D	P4839-22D	FD048769.D	18 Nov 2024 17:16		YP/AJ	Ok
16	P4839-22MS	EX-4-TPH-6MS	FD048770.D	18 Nov 2024 23:41	FD048763.D	YP/AJ	Ok,M
17	P4839-22MSD	EX-4-TPH-6MSD	FD048771.D	19 Nov 2024 00:17	FD048763.D!FD048770.D	YP/AJ	Ok,M
18	P4860-03	PH2-BOT-002	FD048772.D	19 Nov 2024 00:53		YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD111824AR

Review By	yogesh	Review On	11/18/2024 12:57:00 PM		
Supervise By	Ankita	Supervise On	11/19/2024 4:49:11 PM		
SubDirectory	FD111824AR	HP Acquire Method		HP Processing Method	FD111424AR

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	P4860-04	PH2-BOT-003	FD048773.D	19 Nov 2024 02:45		YP/AJ	Ok
20	P4860-06	PH2-BOT-009	FD048774.D	19 Nov 2024 07:59		YP/AJ	Ok
21	P4860-05	PH2-BOT-004	FD048775.D	19 Nov 2024 08:37		YP/AJ	Ok
22	I.BLK	I.BLK	FD048776.D	19 Nov 2024 09:20		YP/AJ	Ok
23	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048777.D	19 Nov 2024 10:04		YP/AJ	Ok
24	P4839-21DL	EX-4-TPH-5DL	FD048778.D	19 Nov 2024 10:40		YP/AJ	Ok
25	I.BLK	I.BLK	FD048779.D	19 Nov 2024 11:17		YP/AJ	Ok
26	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048780.D	19 Nov 2024 11:54		YP/AJ	Ok
27	P4839-02	EX-9-TPH-10	FD048781.D	19 Nov 2024 13:45		YP/AJ	Ok
28	I.BLK	I.BLK	FD048782.D	19 Nov 2024 14:59		YP/AJ	Ok
29	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048783.D	19 Nov 2024 15:36		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF111524AR

Review By	yogesh	Review On	11/14/2024 3:44:42 PM		
Supervise By	Ankita	Supervise On	11/15/2024 9:15:19 AM		
SubDirectory	FF111524AR	HP Acquire Method		HP Processing Method	FF111524AR

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	FF015041.D	14 Nov 2024 16:37		YP\AJ	Ok
2	I.BLK	I.BLK	FF015042.D	14 Nov 2024 17:05		YP\AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FF015043.D	14 Nov 2024 17:34		YP\AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FF015044.D	14 Nov 2024 18:02		YP\AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015045.D	14 Nov 2024 18:30		YP\AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FF015046.D	14 Nov 2024 18:58		YP\AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FF015047.D	14 Nov 2024 19:27		YP\AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015048.D	14 Nov 2024 19:55		YP\AJ	Ok
9	I.BLK	I.BLK	FF015049.D	14 Nov 2024 20:52		YP\AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015050.D	14 Nov 2024 21:20		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF111924AR

Review By	yogesh	Review On	11/19/2024 12:19:41 PM		
Supervise By	Ankita	Supervise On	11/21/2024 10:02:38 AM		
SubDirectory	FF111924AR	HP Acquire Method		HP Processing Method	FF111524AR

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	FF015091.D	19 Nov 2024 08:39		YP\AJ	Ok
2	I.BLK	I.BLK	FF015092.D	19 Nov 2024 09:08		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015093.D	19 Nov 2024 10:15		YP\AJ	Ok
4	PP23988	PP23988	FF015094.D	19 Nov 2024 10:51		YP\AJ	Ok,M
5	P4860-07	PH2-BOT-008	FF015095.D	19 Nov 2024 11:19		YP\AJ	Ok
6	P4860-08	PH2-BOT-007	FF015096.D	19 Nov 2024 11:47		YP\AJ	Ok
7	P4860-09	PH2-BOT-006	FF015097.D	19 Nov 2024 12:16		YP\AJ	Ok
8	P4860-10	PH2-BOT-005	FF015098.D	19 Nov 2024 12:44		YP\AJ	Ok
9	I.BLK	I.BLK	FF015099.D	19 Nov 2024 13:43		YP\AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015100.D	19 Nov 2024 14:11		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG111424AL

Review By	yogesh	Review On	11/14/2024 3:47:34 PM		
Supervise By	Ankita	Supervise On	11/15/2024 9:15:07 AM		
SubDirectory	FG111424AL	HP Acquire Method		HP Processing Method	FG111424AL

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	FG014779.D	14 Nov 2024 13:20		YP\AJ	Ok
2	I.BLK	I.BLK	FG014780.D	14 Nov 2024 13:48		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FG014781.D	14 Nov 2024 14:16		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FG014782.D	14 Nov 2024 14:44		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014783.D	14 Nov 2024 15:12		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FG014784.D	14 Nov 2024 15:41		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FG014785.D	14 Nov 2024 16:09		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014786.D	14 Nov 2024 16:37		YP\AJ	Ok
9	I.BLK	I.BLK	FG014787.D	14 Nov 2024 17:34		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014788.D	14 Nov 2024 18:02		YP\AJ	Ok

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG111924AL

Review By	yogesh	Review On	11/19/2024 12:22:16 PM		
Supervise By	Ankita	Supervise On	11/21/2024 10:02:24 AM		
SubDirectory	FG111924AL	HP Acquire Method		HP Processing Method	FG111424AL

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	FG014860.D	19 Nov 2024 08:39		YP\AJ	Ok
2	I.BLK	I.BLK	FG014861.D	19 Nov 2024 09:08		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014862.D	19 Nov 2024 10:15		YP\AJ	Ok
4	PP23989	PP23989	FG014863.D	19 Nov 2024 10:51		YP\AJ	Ok
5	P4860-07	PH2-BOT-008	FG014864.D	19 Nov 2024 11:19		YP\AJ	Ok
6	P4860-08	PH2-BOT-007	FG014865.D	19 Nov 2024 11:47		YP\AJ	Ok
7	P4860-09	PH2-BOT-006	FG014866.D	19 Nov 2024 12:16		YP\AJ	Ok
8	P4860-10	PH2-BOT-005	FG014867.D	19 Nov 2024 12:44		YP\AJ	Ok
9	P4860-01	DUP-01	FG014868.D	19 Nov 2024 13:12		YP\AJ	Ok
10	P4860-02	PH2-BOT-001	FG014869.D	19 Nov 2024 13:43		YP\AJ	Ok,M
11	I.BLK	I.BLK	FG014870.D	19 Nov 2024 14:11		YP\AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014871.D	19 Nov 2024 14:40		YP\AJ	Ok
13	PB165088BL	PB165088BL	FG014872.D	19 Nov 2024 15:12		YP\AJ	Ok
14	PB165088BS	PB165088BS	FG014873.D	19 Nov 2024 15:40		YP\AJ	Ok,M
15	PB165088BSD	PB165088BSD	FG014874.D	19 Nov 2024 16:09		YP\AJ	Ok,M
16	P4910-01	MH-COTTAGE	FG014875.D	19 Nov 2024 16:37		YP\AJ	Ok
17	P4910-01D	P4910-01D	FG014876.D	19 Nov 2024 17:05		YP\AJ	Ok,M
18	P4910-01MS	MH-COTTAGEMS	FG014877.D	19 Nov 2024 17:34	FG014875.D	YP\AJ	Ok,M

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG111924AL

Review By	yogesh	Review On	11/19/2024 12:22:16 PM		
Supervise By	Ankita	Supervise On	11/21/2024 10:02:24 AM		
SubDirectory	FG111924AL	HP Acquire Method		HP Processing Method	FG111424AL

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	P4910-01MSD	MH-COTTAGEMSD	FG014878.D	19 Nov 2024 18:02	FG014875.D!FG014877.D	YP\AJ	Ok,M
20	P4910-02	MH-COTTAGE-EPH	FG014879.D	19 Nov 2024 18:30		YP\AJ	Ok
21	I.BLK	I.BLK	FG014880.D	19 Nov 2024 18:59		YP\AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FG014881.D	19 Nov 2024 19:27		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB165032

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/16/2024
Matrix :	Solid			**Extraction Start Time :**	09:30
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	11/16/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	16:50
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	PP23916
Surrogate	1.0ML	100 PPM	PP23934
Fractionation Surrogate	1.0ML	100 PPM	PP23948
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	EP2562
Sand	N/A	E2865
Hexane	N/A	E3826
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/18/24	RP (Ext. Lab)	Y.P. Post 1103.
9:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165032

Analytical Method: MNJDEP-EPH-7

Concentration Date: 11/16/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165032BL	PB165032BL	EPH	30.01	N/A	ritesh	Evelyn	2			U5-1
PB165032BS	PB165032BS	EPH	30.02	N/A	ritesh	Evelyn	2			2
PB165032BSD	PB165032BSD	EPH	30.03	N/A	ritesh	Evelyn	2			3
P4839-21	EX-4-TPH-5	EPH	30.06	N/A	ritesh	Evelyn	2	E		4
P4839-22	EX-4-TPH-6	EPH	30.07	N/A	ritesh	Evelyn	2	E		5
P4839-22DUP	EX-4-TPH-6DUP	EPH	30.02	N/A	ritesh	Evelyn	2	E		6
P4839-22MS	EX-4-TPH-6MS	EPH	30.03	N/A	ritesh	Evelyn	2	E		U6-1
P4839-22MSD	EX-4-TPH-6MSD	EPH	30.05	N/A	ritesh	Evelyn	2	E		2
P4860-01	DUP-01	EPH	30.10	N/A	ritesh	Evelyn	2	E		3
P4860-02	PH2-BPT-001	EPH	30.03	N/A	ritesh	Evelyn	2	E		4
P4860-03	PH2-BPT-002	EPH	30.02	N/A	ritesh	Evelyn	2	E		5
P4860-04	PH2-BPT-003	EPH	30.09	N/A	ritesh	Evelyn	2	E		6
P4860-05	PH2-BPT-004	EPH	30.05	N/A	ritesh	Evelyn	2	E		U1-1
P4860-06	PH2-BPT-009	EPH	30.04	N/A	ritesh	Evelyn	2	E		2
P4860-07	PH2-BPT-008	EPH	30.01	N/A	ritesh	Evelyn	2	E		3
P4860-08	PH2-BPT-007	EPH	30.08	N/A	ritesh	Evelyn	2	E		4
P4860-09	PH2-BPT-006	EPH	30.03	N/A	ritesh	Evelyn	2	E		5
P4860-10	PH2-BPT-005	EPH	30.06	N/A	ritesh	Evelyn	2	E		6

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

11/16/24

P4860 9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4860N **WorkList ID :** 185500 **Department :** Extraction **Date :** 11-16-2024 08:05:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4839-21	EX-4-TPH-5	Solid	EPH	Cool 4 deg C	ENTA05	L31	11/13/2024	NJEPH
P4839-22	EX-4-TPH-6	Solid	EPH	Cool 4 deg C	ENTA05	L31	11/13/2024	NJEPH
P4860-01	DUP-01	Solid	EPH	Cool 4 deg C	CORN02	L41	11/14/2024	NJEPH
P4860-02	PH2-BPT-001	Solid	EPH	Cool 4 deg C	CORN02	L41	11/14/2024	NJEPH
P4860-03	PH2-BPT-002	Solid	EPH	Cool 4 deg C	CORN02	L41	11/14/2024	NJEPH
P4860-04	PH2-BPT-003	Solid	EPH	Cool 4 deg C	CORN02	L41	11/14/2024	NJEPH
P4860-05	PH2-BPT-004	Solid	EPH	Cool 4 deg C	CORN02	L41	11/14/2024	NJEPH
P4860-06	PH2-BPT-009	Solid	EPH	Cool 4 deg C	CORN02	L41	11/14/2024	NJEPH
P4860-07	PH2-BPT-008	Solid	EPH	Cool 4 deg C	CORN02	L41	11/14/2024	NJEPH
P4860-08	PH2-BPT-007	Solid	EPH	Cool 4 deg C	CORN02	L41	11/14/2024	NJEPH
P4860-09	PH2-BPT-006	Solid	EPH	Cool 4 deg C	CORN02	L41	11/14/2024	NJEPH
P4860-10	PH2-BPT-005	Solid	EPH	Cool 4 deg C	CORN02	L41	11/14/2024	NJEPH

1296 of 1443

Date/Time 11/16/24 9:25
Raw Sample Received by: RJ (Sat Log)
Raw Sample Relinquished by: [illegible]

Date/Time 11/16/24 10:04
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: RJ (Sat Log)

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LAB CHRONICLE

OrderID:	P4860	**OrderDate:**	11/14/2024 1:36:41 PM
Client:	Tetra Tech	**Project:**	Ocean County Landfill 2024
Contact:	John Giuliano	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4860-01	**DUP-01**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			EPH	NJEPH		11/16/24	11/18/24	
			EPH	NJEPH		11/16/24	11/19/24	
P4860-02	**PH2-BOT-001**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			EPH	NJEPH		11/16/24	11/18/24	
			EPH	NJEPH		11/16/24	11/19/24	
P4860-03	**PH2-BOT-002**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			EPH	NJEPH		11/16/24	11/19/24	
P4860-04	**PH2-BOT-003**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			EPH	NJEPH		11/16/24	11/19/24	
P4860-05	**PH2-BOT-004**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			EPH	NJEPH		11/16/24	11/19/24	
P4860-06	**PH2-BOT-009**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			EPH	NJEPH		11/16/24	11/19/24	
P4860-07	**PH2-BOT-008**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			EPH	NJEPH		11/16/24	11/19/24	
P4860-08	**PH2-BOT-007**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	

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LAB CHRONICLE

			EPH	NJEPH		11/16/24	11/19/24	
P4860-09	**PH2-BOT-006**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			EPH	NJEPH		11/16/24	11/19/24	
P4860-10	**PH2-BOT-005**	**SOIL**			**11/14/24**			**11/14/24**
			PCB	8082A		11/18/24	11/19/24	
			EPH	NJEPH		11/16/24	11/19/24	

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4860 **Order ID:** P4860

Client: Tetra Tech **Project ID:** Ocean County Landfill 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : DUP-01								
P4860-01	DUP-01	SOIL	Aluminum	237		2.12	4.40	mg/Kg
P4860-01	DUP-01	SOIL	Antimony	0.22	J	0.13	2.20	mg/Kg
P4860-01	DUP-01	SOIL	Barium	0.80	J	0.56	4.40	mg/Kg
P4860-01	DUP-01	SOIL	Beryllium	0.024	J	0.011	0.26	mg/Kg
P4860-01	DUP-01	SOIL	Cadmium	0.038	J	0.014	0.26	mg/Kg
P4860-01	DUP-01	SOIL	Calcium	107		2.46	87.9	mg/Kg
P4860-01	DUP-01	SOIL	Chromium	1.80		0.047	0.44	mg/Kg
P4860-01	DUP-01	SOIL	Cobalt	0.079	J	0.051	1.32	mg/Kg
P4860-01	DUP-01	SOIL	Copper	1.13		0.41	0.88	mg/Kg
P4860-01	DUP-01	SOIL	Iron	1340		2.37	4.40	mg/Kg
P4860-01	DUP-01	SOIL	Lead	0.86		0.13	0.53	mg/Kg
P4860-01	DUP-01	SOIL	Magnesium	11.6	J	3.02	87.9	mg/Kg
P4860-01	DUP-01	SOIL	Manganese	3.14		0.062	0.88	mg/Kg
P4860-01	DUP-01	SOIL	Nickel	0.30	J	0.079	1.76	mg/Kg
P4860-01	DUP-01	SOIL	Potassium	35.6	J	25.2	87.9	mg/Kg
P4860-01	DUP-01	SOIL	Vanadium	2.98		0.24	1.76	mg/Kg
P4860-01	DUP-01	SOIL	Zinc	3.98		0.097	1.76	mg/Kg
Client ID : PH2-BOT-001								
P4860-02	PH2-BOT-001	SOIL	Aluminum	802		2.07	4.29	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Barium	3.59	J	0.55	4.29	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Beryllium	0.042	J	0.010	0.26	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Cadmium	0.095	J	0.014	0.26	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Calcium	245		2.40	85.7	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Chromium	4.30		0.046	0.43	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Cobalt	0.15	J	0.050	1.29	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Copper	4.12		0.40	0.86	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Iron	1740		2.31	4.29	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Lead	3.02		0.13	0.51	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Magnesium	32.0	J	2.94	85.7	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Manganese	7.09		0.061	0.86	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Mercury	0.016		0.0060	0.012	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Nickel	1.70	J	0.077	1.71	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Potassium	54.3	J	24.6	85.7	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Silver	0.11	J	0.045	0.43	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Vanadium	3.79		0.23	1.71	mg/Kg
P4860-02	PH2-BOT-001	SOIL	Zinc	17.9		0.094	1.71	mg/Kg

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4860 **Order ID:** P4860

Client: Tetra Tech **Project ID:** Ocean County Landfill 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PH2-BOT-002								
P4860-03	PH2-BOT-002	SOIL	Aluminum	842		2.08	4.31	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Barium	5.21		0.55	4.31	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Beryllium	0.032	J	0.010	0.26	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Cadmium	0.093	J	0.014	0.26	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Calcium	446		2.42	86.3	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Chromium	4.64		0.047	0.43	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Cobalt	0.19	J	0.050	1.29	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Copper	6.86		0.41	0.86	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Iron	1280		2.32	4.31	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Lead	3.61		0.13	0.52	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Magnesium	77.8	J	2.96	86.3	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Manganese	6.98		0.061	0.86	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Mercury	0.025		0.0060	0.014	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Nickel	3.03		0.078	1.73	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Potassium	57.9	J	24.8	86.3	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Silver	0.19	J	0.045	0.43	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Vanadium	2.83		0.23	1.73	mg/Kg
P4860-03	PH2-BOT-002	SOIL	Zinc	14.4		0.095	1.73	mg/Kg
Client ID : PH2-BOT-003								
P4860-04	PH2-BOT-003	SOIL	Aluminum	1300		2.16	4.48	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Arsenic	0.55	J	0.26	0.90	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Barium	3.61	J	0.57	4.48	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Beryllium	0.21	J	0.011	0.27	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Cadmium	0.36		0.014	0.27	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Calcium	348		2.51	89.7	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Chromium	17.9		0.048	0.45	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Cobalt	0.44	J	0.052	1.35	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Copper	5.12		0.42	0.90	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Iron	10100		2.41	4.48	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Lead	2.93		0.14	0.54	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Magnesium	37.6	J	3.08	89.7	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Manganese	2.89		0.064	0.90	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Mercury	0.039		0.0060	0.014	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Nickel	1.01	J	0.081	1.79	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Potassium	39.3	J	25.7	89.7	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Silver	0.094	J	0.047	0.45	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Vanadium	10.8		0.24	1.79	mg/Kg
P4860-04	PH2-BOT-003	SOIL	Zinc	7.61		0.099	1.79	mg/Kg

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: P4860 **Order ID:** P4860

Client: Tetra Tech **Project ID:** Ocean County Landfill 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PH2-BOT-004								
P4860-05	PH2-BOT-004	SOIL	Aluminum	816		2.24	4.65	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Arsenic	0.70	J	0.27	0.93	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Barium	2.23	J	0.60	4.65	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Beryllium	0.12	J	0.011	0.28	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Cadmium	0.18	J	0.015	0.28	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Calcium	103		2.61	93.1	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Chromium	4.73		0.050	0.47	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Cobalt	0.30	J	0.054	1.40	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Copper	2.47		0.44	0.93	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Iron	5890		2.50	4.65	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Lead	1.55		0.14	0.56	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Magnesium	58.4	J	3.19	93.1	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Manganese	3.41		0.066	0.93	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Nickel	0.65	J	0.084	1.86	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Potassium	84.0	J	26.7	93.1	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Vanadium	5.62		0.25	1.86	mg/Kg
P4860-05	PH2-BOT-004	SOIL	Zinc	4.29		0.10	1.86	mg/Kg
Client ID : PH2-BOT-009								
P4860-06	PH2-BOT-009	SOIL	Aluminum	568		2.19	4.54	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Barium	0.83	J	0.58	4.54	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Beryllium	0.083	J	0.011	0.27	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Cadmium	0.11	J	0.015	0.27	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Calcium	54.4	J	2.54	90.8	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Chromium	2.90		0.049	0.45	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Cobalt	0.15	J	0.053	1.36	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Copper	1.51		0.43	0.91	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Iron	3990		2.44	4.54	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Lead	1.08		0.14	0.55	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Magnesium	17.6	J	3.12	90.8	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Manganese	1.95		0.064	0.91	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Nickel	0.33	J	0.082	1.82	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Vanadium	3.73		0.25	1.82	mg/Kg
P4860-06	PH2-BOT-009	SOIL	Zinc	2.73		0.10	1.82	mg/Kg
Client ID : PH2-BOT-008								
P4860-07	PH2-BOT-008	SOIL	Aluminum	564		2.12	4.40	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Barium	3.91	J	0.56	4.40	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Beryllium	0.052	J	0.011	0.26	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Cadmium	0.095	J	0.014	0.26	mg/Kg

Alliance TECHNICAL GROUP
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Hit Summary Sheet
SW-846

SDG No.: P4860 **Order ID:** P4860

Client: Tetra Tech **Project ID:** Ocean County Landfill 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4860-07	PH2-BOT-008	SOIL	Calcium	272		2.46	87.9	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Chromium	3.39		0.047	0.44	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Cobalt	0.23	J	0.051	1.32	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Copper	2.61		0.41	0.88	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Iron	2250		2.37	4.40	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Lead	10.2		0.13	0.53	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Magnesium	72.0	J	3.02	87.9	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Manganese	6.35		0.062	0.88	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Mercury	0.0080	J	0.0060	0.013	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Nickel	0.57	J	0.079	1.76	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Potassium	35.0	J	25.2	87.9	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Vanadium	3.70		0.24	1.76	mg/Kg
P4860-07	PH2-BOT-008	SOIL	Zinc	7.06		0.097	1.76	mg/Kg
Client ID :	**PH2-BOT-007**							
P4860-08	PH2-BOT-007	SOIL	Aluminum	908		2.11	4.38	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Barium	2.89	J	0.56	4.38	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Beryllium	0.090	J	0.011	0.26	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Cadmium	0.16	J	0.014	0.26	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Calcium	570		2.45	87.6	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Chromium	4.93		0.047	0.44	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Cobalt	0.23	J	0.051	1.31	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Copper	3.37		0.41	0.88	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Iron	4420		2.36	4.38	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Lead	2.07		0.13	0.53	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Magnesium	58.0	J	3.00	87.6	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Manganese	3.22		0.062	0.88	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Mercury	0.0090	J	0.0060	0.013	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Nickel	0.45	J	0.079	1.75	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Potassium	80.9	J	25.1	87.6	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Silver	0.15	J	0.046	0.44	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Sodium	56.2	J	31.6	87.6	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Vanadium	5.76		0.24	1.75	mg/Kg
P4860-08	PH2-BOT-007	SOIL	Zinc	8.05		0.096	1.75	mg/Kg
Client ID :	**PH2-BOT-006**							
P4860-09	PH2-BOT-006	SOIL	Aluminum	528		2.12	4.40	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Barium	0.69	J	0.56	4.40	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Beryllium	0.054	J	0.011	0.26	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Cadmium	0.097	J	0.014	0.26	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Calcium	135		2.47	88.0	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: P4860 **Order ID:** P4860

Client: Tetra Tech **Project ID:** Ocean County Landfill 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4860-09	PH2-BOT-006	SOIL	Chromium	7.11		0.048	0.44	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Cobalt	0.14	J	0.051	1.32	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Copper	1.78		0.41	0.88	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Iron	2880		2.37	4.40	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Lead	1.13		0.13	0.53	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Magnesium	21.3	J	3.02	88.0	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Manganese	2.65		0.063	0.88	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Mercury	0.0090	J	0.0060	0.014	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Nickel	0.40	J	0.079	1.76	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Potassium	51.7	J	25.3	88.0	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Silver	0.056	J	0.046	0.44	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Sodium	54.2	J	31.8	88.0	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Vanadium	5.99		0.24	1.76	mg/Kg
P4860-09	PH2-BOT-006	SOIL	Zinc	4.95		0.097	1.76	mg/Kg
Client ID :	**PH2-BOT-005**							
P4860-10	PH2-BOT-005	SOIL	Aluminum	220		2.19	4.55	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Beryllium	0.029	J	0.011	0.27	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Cadmium	0.041	J	0.015	0.27	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Calcium	81.8	J	2.55	91.1	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Chromium	2.58		0.049	0.46	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Cobalt	0.073	J	0.053	1.37	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Copper	0.96		0.43	0.91	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Iron	1550		2.45	4.55	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Lead	0.55		0.14	0.55	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Magnesium	9.02	J	3.12	91.1	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Manganese	2.02		0.065	0.91	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Nickel	0.46	J	0.082	1.82	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Vanadium	3.33		0.25	1.82	mg/Kg
P4860-10	PH2-BOT-005	SOIL	Zinc	2.59		0.10	1.82	mg/Kg

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	96.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	237		1	2.12	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-36-0	Antimony	0.22	JN	1	0.13	2.20	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-38-2	Arsenic	0.26	U	1	0.26	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-39-3	Barium	0.80	J	1	0.56	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-41-7	Beryllium	0.024	J	1	0.011	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-43-9	Cadmium	0.038	J	1	0.014	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-70-2	Calcium	107		1	2.46	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-47-3	Chromium	1.80		1	0.047	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-48-4	Cobalt	0.079	J	1	0.051	1.32	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-50-8	Copper	1.13	N	1	0.41	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7439-89-6	Iron	1340		1	2.37	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7439-92-1	Lead	0.86		1	0.13	0.53	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7439-95-4	Magnesium	11.6	J	1	3.02	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7439-96-5	Manganese	3.14		1	0.062	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7439-97-6	Mercury	0.0060	U	1	0.0060	0.013	mg/Kg	11/21/24 14:40	11/22/24 14:18	SW7471B	
7440-02-0	Nickel	0.30	J	1	0.079	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-09-7	Potassium	35.6	J	1	25.2	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7782-49-2	Selenium	0.29	UN	1	0.29	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-22-4	Silver	0.046	U	1	0.046	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-23-5	Sodium	31.7	U	1	31.7	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-28-0	Thallium	0.39	U	1	0.39	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-62-2	Vanadium	2.98		1	0.24	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050
7440-66-6	Zinc	3.98		1	0.097	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:01	SW6010	SW3050

Color Before:	Light brown	Clarity Before:		Texture:	Medium
Color After:	Light Green	Clarity After:		Artifacts:	
Comments:	TCL+30/TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	96.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	802		1	2.07	4.29	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-36-0	Antimony	0.13	UN	1	0.13	2.14	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-38-2	Arsenic	0.25	U	1	0.25	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-39-3	Barium	3.59	J	1	0.55	4.29	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-41-7	Beryllium	0.042	J	1	0.010	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-43-9	Cadmium	0.095	J	1	0.014	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-70-2	Calcium	245		1	2.40	85.7	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-47-3	Chromium	4.30		1	0.046	0.43	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-48-4	Cobalt	0.15	J	1	0.050	1.29	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-50-8	Copper	4.12	N	1	0.40	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7439-89-6	Iron	1740		1	2.31	4.29	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7439-92-1	Lead	3.02		1	0.13	0.51	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7439-95-4	Magnesium	32.0	J	1	2.94	85.7	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7439-96-5	Manganese	7.09		1	0.061	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7439-97-6	Mercury	0.016		1	0.0060	0.012	mg/Kg	11/21/24 14:40	11/22/24 14:27	SW7471B	
7440-02-0	Nickel	1.70	J	1	0.077	1.71	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-09-7	Potassium	54.3	J	1	24.6	85.7	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7782-49-2	Selenium	0.28	UN	1	0.28	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-22-4	Silver	0.11	J	1	0.045	0.43	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-23-5	Sodium	30.9	U	1	30.9	85.7	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-28-0	Thallium	0.38	U	1	0.38	1.71	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-62-2	Vanadium	3.79		1	0.23	1.71	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050
7440-66-6	Zinc	17.9		1	0.094	1.71	mg/Kg	11/18/24 09:30	11/19/24 16:06	SW6010	SW3050

Color Before:	Light brown	Clarity Before:		Texture:	Medium
Color After:	Light Green	Clarity After:		Artifacts:	
Comments:	TCL+30/TAL				

U = Not Detected
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LOD = Limit of Detection
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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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	96.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	842		1	2.08	4.31	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-36-0	Antimony	0.13	UN	1	0.13	2.16	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-38-2	Arsenic	0.25	U	1	0.25	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-39-3	Barium	5.21		1	0.55	4.31	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-41-7	Beryllium	0.032	J	1	0.010	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-43-9	Cadmium	0.093	J	1	0.014	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-70-2	Calcium	446		1	2.42	86.3	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-47-3	Chromium	4.64		1	0.047	0.43	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-48-4	Cobalt	0.19	J	1	0.050	1.29	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-50-8	Copper	6.86	N	1	0.41	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7439-89-6	Iron	1280		1	2.32	4.31	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7439-92-1	Lead	3.61		1	0.13	0.52	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7439-95-4	Magnesium	77.8	J	1	2.96	86.3	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7439-96-5	Manganese	6.98		1	0.061	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7439-97-6	Mercury	0.025		1	0.0060	0.014	mg/Kg	11/21/24 14:40	11/22/24 14:34	SW7471B	
7440-02-0	Nickel	3.03		1	0.078	1.73	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-09-7	Potassium	57.9	J	1	24.8	86.3	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7782-49-2	Selenium	0.28	UN	1	0.28	0.86	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-22-4	Silver	0.19	J	1	0.045	0.43	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-23-5	Sodium	31.1	U	1	31.1	86.3	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-28-0	Thallium	0.38	U	1	0.38	1.73	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-62-2	Vanadium	2.83		1	0.23	1.73	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050
7440-66-6	Zinc	14.4		1	0.095	1.73	mg/Kg	11/18/24 09:30	11/19/24 16:10	SW6010	SW3050

Color Before:	LightBrown	Clarity Before:		Texture:	Medium
Color After:	Light Green	Clarity After:		Artifacts:	
Comments:	TCL+30/TAL				

U = Not Detected
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	97.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	1300		1	2.16	4.48	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.24	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-38-2	Arsenic	0.55	J	1	0.26	0.90	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-39-3	Barium	3.61	J	1	0.57	4.48	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-41-7	Beryllium	0.21	J	1	0.011	0.27	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-43-9	Cadmium	0.36		1	0.014	0.27	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-70-2	Calcium	348		1	2.51	89.7	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-47-3	Chromium	17.9		1	0.048	0.45	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-48-4	Cobalt	0.44	J	1	0.052	1.35	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-50-8	Copper	5.12	N	1	0.42	0.90	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7439-89-6	Iron	10100		1	2.41	4.48	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7439-92-1	Lead	2.93		1	0.14	0.54	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7439-95-4	Magnesium	37.6	J	1	3.08	89.7	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7439-96-5	Manganese	2.89		1	0.064	0.90	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7439-97-6	Mercury	0.039		1	0.0060	0.014	mg/Kg	11/21/24 14:40	11/22/24 14:36	SW7471B	
7440-02-0	Nickel	1.01	J	1	0.081	1.79	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-09-7	Potassium	39.3	J	1	25.7	89.7	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.90	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-22-4	Silver	0.094	J	1	0.047	0.45	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-23-5	Sodium	32.4	U	1	32.4	89.7	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.79	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-62-2	Vanadium	10.8		1	0.24	1.79	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050
7440-66-6	Zinc	7.61		1	0.099	1.79	mg/Kg	11/18/24 09:30	11/19/24 16:14	SW6010	SW3050

Color Before:	LightBrown	Clarity Before:		Texture:	Medium
Color After:	Light Green	Clarity After:		Artifacts:	
Comments:	TCL+30/TAL				

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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	98.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	816		1	2.24	4.65	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.33	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-38-2	Arsenic	0.70	J	1	0.27	0.93	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-39-3	Barium	2.23	J	1	0.60	4.65	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-41-7	Beryllium	0.12	J	1	0.011	0.28	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-43-9	Cadmium	0.18	J	1	0.015	0.28	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-70-2	Calcium	103		1	2.61	93.1	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-47-3	Chromium	4.73		1	0.050	0.47	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-48-4	Cobalt	0.30	J	1	0.054	1.40	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-50-8	Copper	2.47	N	1	0.44	0.93	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7439-89-6	Iron	5890		1	2.50	4.65	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7439-92-1	Lead	1.55		1	0.14	0.56	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7439-95-4	Magnesium	58.4	J	1	3.19	93.1	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7439-96-5	Manganese	3.41		1	0.066	0.93	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7439-97-6	Mercury	0.0060	U	1	0.0060	0.013	mg/Kg	11/21/24 14:40	11/22/24 14:39	SW7471B	
7440-02-0	Nickel	0.65	J	1	0.084	1.86	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-09-7	Potassium	84.0	J	1	26.7	93.1	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7782-49-2	Selenium	0.31	UN	1	0.31	0.93	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-22-4	Silver	0.048	U	1	0.048	0.47	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-23-5	Sodium	33.6	U	1	33.6	93.1	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-28-0	Thallium	0.41	U	1	0.41	1.86	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-62-2	Vanadium	5.62		1	0.25	1.86	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050
7440-66-6	Zinc	4.29		1	0.10	1.86	mg/Kg	11/18/24 09:30	11/19/24 16:27	SW6010	SW3050

Color Before:	LightBrown	Clarity Before:		Texture:	Medium
Color After:	Light Green	Clarity After:		Artifacts:	
Comments:	TCL+30/TAL				

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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	98.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	568		1	2.19	4.54	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.27	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-38-2	Arsenic	0.26	U	1	0.26	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-39-3	Barium	0.83	J	1	0.58	4.54	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-41-7	Beryllium	0.083	J	1	0.011	0.27	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-43-9	Cadmium	0.11	J	1	0.015	0.27	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-70-2	Calcium	54.4	J	1	2.54	90.8	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-47-3	Chromium	2.90		1	0.049	0.45	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-48-4	Cobalt	0.15	J	1	0.053	1.36	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-50-8	Copper	1.51	N	1	0.43	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7439-89-6	Iron	3990		1	2.44	4.54	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7439-92-1	Lead	1.08		1	0.14	0.55	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7439-95-4	Magnesium	17.6	J	1	3.12	90.8	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7439-96-5	Manganese	1.95		1	0.064	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7439-97-6	Mercury	0.0060	U	1	0.0060	0.014	mg/Kg	11/21/24 14:40	11/22/24 14:41	SW7471B	
7440-02-0	Nickel	0.33	J	1	0.082	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-09-7	Potassium	26.1	U	1	26.1	90.8	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-22-4	Silver	0.047	U	1	0.047	0.45	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-23-5	Sodium	32.8	U	1	32.8	90.8	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-62-2	Vanadium	3.73		1	0.25	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050
7440-66-6	Zinc	2.73		1	0.10	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:31	SW6010	SW3050

Color Before:	LightBrown	Clarity Before:		Texture:	Medium
Color After:	Light Green	Clarity After:		Artifacts:	
Comments:	TCL+30/TAL				

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	96.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	564		1	2.12	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-36-0	Antimony	0.13	UN	1	0.13	2.20	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-38-2	Arsenic	0.26	U	1	0.26	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-39-3	Barium	3.91	J	1	0.56	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-41-7	Beryllium	0.052	J	1	0.011	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-43-9	Cadmium	0.095	J	1	0.014	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-70-2	Calcium	272		1	2.46	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-47-3	Chromium	3.39		1	0.047	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-48-4	Cobalt	0.23	J	1	0.051	1.32	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-50-8	Copper	2.61	N	1	0.41	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7439-89-6	Iron	2250		1	2.37	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7439-92-1	Lead	10.2		1	0.13	0.53	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7439-95-4	Magnesium	72.0	J	1	3.02	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7439-96-5	Manganese	6.35		1	0.062	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7439-97-6	Mercury	0.0080	J	1	0.0060	0.013	mg/Kg	11/21/24 14:40	11/22/24 14:43	SW7471B	
7440-02-0	Nickel	0.57	J	1	0.079	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-09-7	Potassium	35.0	J	1	25.2	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7782-49-2	Selenium	0.29	UN	1	0.29	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-22-4	Silver	0.046	U	1	0.046	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-23-5	Sodium	31.7	U	1	31.7	87.9	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-28-0	Thallium	0.39	U	1	0.39	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-62-2	Vanadium	3.70		1	0.24	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050
7440-66-6	Zinc	7.06		1	0.097	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:35	SW6010	SW3050

Color Before:	Light Brown	Clarity Before:		Texture:	Medium
Color After:	Light Green	Clarity After:		Artifacts:	
Comments:	TCL+30/TAL				

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	98

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	908		1	2.11	4.38	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-36-0	Antimony	0.13	UN	1	0.13	2.19	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-38-2	Arsenic	0.25	U	1	0.25	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-39-3	Barium	2.89	J	1	0.56	4.38	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-41-7	Beryllium	0.090	J	1	0.011	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-43-9	Cadmium	0.16	J	1	0.014	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-70-2	Calcium	570		1	2.45	87.6	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-47-3	Chromium	4.93		1	0.047	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-48-4	Cobalt	0.23	J	1	0.051	1.31	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-50-8	Copper	3.37	N	1	0.41	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7439-89-6	Iron	4420		1	2.36	4.38	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7439-92-1	Lead	2.07		1	0.13	0.53	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7439-95-4	Magnesium	58.0	J	1	3.00	87.6	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7439-96-5	Manganese	3.22		1	0.062	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7439-97-6	Mercury	0.0090	J	1	0.0060	0.013	mg/Kg	11/21/24 14:40	11/22/24 14:46	SW7471B	
7440-02-0	Nickel	0.45	J	1	0.079	1.75	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-09-7	Potassium	80.9	J	1	25.1	87.6	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7782-49-2	Selenium	0.29	UN	1	0.29	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-22-4	Silver	0.15	J	1	0.046	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-23-5	Sodium	56.2	J	1	31.6	87.6	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-28-0	Thallium	0.39	U	1	0.39	1.75	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-62-2	Vanadium	5.76		1	0.24	1.75	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050
7440-66-6	Zinc	8.05		1	0.096	1.75	mg/Kg	11/18/24 09:30	11/19/24 16:39	SW6010	SW3050

Color Before:	Light Brown	Clarity Before:		Texture:	Medium
Color After:	Light Green	Clarity After:		Artifacts:	
Comments:	TCL+30/TAL				

U = Not Detected
LOQ = Limit of Quantitation
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Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	97.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	528		1	2.12	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-36-0	Antimony	0.13	UN	1	0.13	2.20	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-38-2	Arsenic	0.26	U	1	0.26	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-39-3	Barium	0.69	J	1	0.56	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-41-7	Beryllium	0.054	J	1	0.011	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-43-9	Cadmium	0.097	J	1	0.014	0.26	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-70-2	Calcium	135		1	2.47	88.0	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-47-3	Chromium	7.11		1	0.048	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-48-4	Cobalt	0.14	J	1	0.051	1.32	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-50-8	Copper	1.78	N	1	0.41	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7439-89-6	Iron	2880		1	2.37	4.40	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7439-92-1	Lead	1.13		1	0.13	0.53	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7439-95-4	Magnesium	21.3	J	1	3.02	88.0	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7439-96-5	Manganese	2.65		1	0.063	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7439-97-6	Mercury	0.0090	J	1	0.0060	0.014	mg/Kg	11/21/24 14:40	11/22/24 14:48	SW7471B	
7440-02-0	Nickel	0.40	J	1	0.079	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-09-7	Potassium	51.7	J	1	25.3	88.0	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7782-49-2	Selenium	0.29	UN	1	0.29	0.88	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-22-4	Silver	0.056	J	1	0.046	0.44	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-23-5	Sodium	54.2	J	1	31.8	88.0	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-28-0	Thallium	0.39	U	1	0.39	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-62-2	Vanadium	5.99		1	0.24	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050
7440-66-6	Zinc	4.95		1	0.097	1.76	mg/Kg	11/18/24 09:30	11/19/24 16:44	SW6010	SW3050

Color Before:	Light Brown	Clarity Before:		Texture:	Medium
Color After:	Light Green	Clarity After:		Artifacts:	
Comments:	TCL+30/TAL				

U = Not Detected
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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	97.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	220		1	2.19	4.55	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.28	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-38-2	Arsenic	0.26	U	1	0.26	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-39-3	Barium	0.58	U	1	0.58	4.55	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-41-7	Beryllium	0.029	J	1	0.011	0.27	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-43-9	Cadmium	0.041	J	1	0.015	0.27	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-70-2	Calcium	81.8	J	1	2.55	91.1	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-47-3	Chromium	2.58		1	0.049	0.46	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-48-4	Cobalt	0.073	J	1	0.053	1.37	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-50-8	Copper	0.96	N	1	0.43	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7439-89-6	Iron	1550		1	2.45	4.55	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7439-92-1	Lead	0.55		1	0.14	0.55	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7439-95-4	Magnesium	9.02	J	1	3.12	91.1	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7439-96-5	Manganese	2.02		1	0.065	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7439-97-6	Mercury	0.0060	U	1	0.0060	0.013	mg/Kg	11/21/24 14:40	11/22/24 14:50	SW7471B	
7440-02-0	Nickel	0.46	J	1	0.082	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-09-7	Potassium	26.1	U	1	26.1	91.1	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.91	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-22-4	Silver	0.047	U	1	0.047	0.46	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-23-5	Sodium	32.9	U	1	32.9	91.1	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-62-2	Vanadium	3.33		1	0.25	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050
7440-66-6	Zinc	2.59		1	0.10	1.82	mg/Kg	11/18/24 09:30	11/19/24 16:48	SW6010	SW3050

Color Before:	Light Brown	Clarity Before:		Texture:	Medium
Color After:	Light Green	Clarity After:		Artifacts:	
Comments:	TCL+30/TAL				

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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB98	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	14:00	LB133581

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB37	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	14:04	LB133581
CCB38	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	14:32	LB133581
CCB39	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	14:59	LB133581
CCB40	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	15:26	LB133581
CCB41	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	15:49	LB133581

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	11/18/2024	13:15	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	13:15	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	13:15	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	13:15	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	13:15	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	13:15	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	13:15	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	13:15	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	13:15	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	13:15	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	13:15	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	13:15	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	13:15	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	13:15	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	13:15	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	13:15	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	13:15	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	13:15	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	13:15	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	13:15	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	13:15	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	13:15	LB133502

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	11/18/2024	14:02	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	14:02	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	14:02	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	14:02	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	14:02	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	14:02	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	14:02	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	14:02	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	14:02	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	14:02	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	14:02	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	14:02	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	14:02	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	14:02	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	14:02	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	14:02	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	14:02	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	14:02	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	14:02	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	14:02	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	14:02	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	14:02	LB133502
CCB02	Aluminum	100	+/-100	U	100	P	11/18/2024	14:35	LB133502
	Antimony	4.42	+/-50.0	J	50.0	P	11/18/2024	14:35	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	14:35	LB133502
	Barium	18.0	+/-100	J	100	P	11/18/2024	14:35	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	14:35	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	14:35	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	14:35	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	14:35	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	14:35	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	14:35	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	14:35	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	14:35	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	14:35	LB133502
	Manganese	5.73	+/-20.0	J	20.0	P	11/18/2024	14:35	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	14:35	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	14:35	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	14:35	LB133502

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	11/18/2024	14:35	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	14:35	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	14:35	LB133502
	Vanadium	6.17	+/-40.0	J	40.0	P	11/18/2024	14:35	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	14:35	LB133502
CCB03	Aluminum	100	+/-100	U	100	P	11/18/2024	15:39	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	15:39	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	15:39	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	15:39	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	15:39	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	15:39	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	15:39	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	15:39	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	15:39	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	15:39	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	15:39	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	15:39	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	15:39	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	15:39	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	15:39	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	15:39	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	15:39	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	15:39	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	15:39	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	15:39	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	15:39	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	15:39	LB133502
CCB04	Aluminum	100	+/-100	U	100	P	11/18/2024	16:29	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	16:29	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	16:29	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	16:29	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	16:29	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	16:29	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	16:29	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	16:29	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	16:29	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	16:29	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	16:29	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	16:29	LB133502

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	11/18/2024	16:29	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	16:29	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	16:29	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	16:29	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	16:29	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	16:29	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	16:29	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	16:29	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	16:29	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	16:29	LB133502
CCB05	Aluminum	100	+/-100	U	100	P	11/18/2024	17:06	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	17:06	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	17:06	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	17:06	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	17:06	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	17:06	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	17:06	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	17:06	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	17:06	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	17:06	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	17:06	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	17:06	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	17:06	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	17:06	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	17:06	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	17:06	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	17:06	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	17:06	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	17:06	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	17:06	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	17:06	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	17:06	LB133502
CCB06	Aluminum	100	+/-100	U	100	P	11/18/2024	18:08	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	18:08	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	18:08	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	18:08	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	18:08	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	18:08	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	18:08	LB133502

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	11/18/2024	18:08	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	18:08	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	18:08	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	18:08	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	18:08	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	18:08	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	18:08	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	18:08	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	18:08	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	18:08	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	18:08	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	18:08	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	18:08	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	18:08	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	18:08	LB133502
CCB07	Aluminum	100	+/-100	U	100	P	11/18/2024	18:58	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	18:58	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	18:58	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	18:58	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	18:58	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	18:58	LB133502
	Calcium	2000	+/-2000	U	2000	P	11/18/2024	18:58	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	18:58	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	18:58	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	18:58	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	18:58	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	18:58	LB133502
	Magnesium	2000	+/-2000	U	2000	P	11/18/2024	18:58	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	18:58	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	18:58	LB133502
	Potassium	2000	+/-2000	U	2000	P	11/18/2024	18:58	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	18:58	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	18:58	LB133502
	Sodium	2000	+/-2000	U	2000	P	11/18/2024	18:58	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	18:58	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	18:58	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	18:58	LB133502

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	11/19/2024	11:38	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	11:38	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	11:38	LB133524
	Barium	100	+/-100	U	100	P	11/19/2024	11:38	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	11:38	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	11:38	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	11:38	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	11:38	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	11:38	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	11:38	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	11:38	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	11:38	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	11:38	LB133524
	Manganese	20.0	+/-20.0	U	20.0	P	11/19/2024	11:38	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	11:38	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	11:38	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	11:38	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	11:38	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	11:38	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	11:38	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	11:38	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	11:38	LB133524

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	11/19/2024	12:48	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	12:48	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	12:48	LB133524
	Barium	100	+/-100	U	100	P	11/19/2024	12:48	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	12:48	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	12:48	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	12:48	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	12:48	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	12:48	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	12:48	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	12:48	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	12:48	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	12:48	LB133524
	Manganese	20.0	+/-20.0	U	20.0	P	11/19/2024	12:48	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	12:48	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	12:48	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	12:48	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	12:48	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	12:48	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	12:48	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	12:48	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	12:48	LB133524
CCB02	Aluminum	100	+/-100	U	100	P	11/19/2024	13:38	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	13:38	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	13:38	LB133524
	Barium	100	+/-100	U	100	P	11/19/2024	13:38	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	13:38	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	13:38	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	13:38	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	13:38	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	13:38	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	13:38	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	13:38	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	13:38	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	13:38	LB133524
	Manganese	20.0	+/-20.0	U	20.0	P	11/19/2024	13:38	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	13:38	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	13:38	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	13:38	LB133524

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	11/19/2024	13:38	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	13:38	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	13:38	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	13:38	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	13:38	LB133524
CCB03	Aluminum	100	+/-100	U	100	P	11/19/2024	14:28	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	14:28	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	14:28	LB133524
	Barium	100	+/-100	U	100	P	11/19/2024	14:28	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	14:28	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	14:28	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	14:28	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	14:28	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	14:28	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	14:28	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	14:28	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	14:28	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	14:28	LB133524
	Manganese	20.0	+/-20.0	U	20.0	P	11/19/2024	14:28	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	14:28	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	14:28	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	14:28	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	14:28	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	14:28	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	14:28	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	14:28	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	14:28	LB133524
CCB04	Aluminum	100	+/-100	U	100	P	11/19/2024	15:36	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	15:36	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	15:36	LB133524
	Barium	100	+/-100	U	100	P	11/19/2024	15:36	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	15:36	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	15:36	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	15:36	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	15:36	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	15:36	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	15:36	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	15:36	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	15:36	LB133524

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	11/19/2024	15:36	LB133524
	Manganese	20.0	+/-20.0	U	20.0	P	11/19/2024	15:36	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	15:36	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	15:36	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	15:36	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	15:36	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	15:36	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	15:36	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	15:36	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	15:36	LB133524
CCB05	Aluminum	100	+/-100	U	100	P	11/19/2024	16:22	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	16:22	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	16:22	LB133524
	Barium	100	+/-100	U	100	P	11/19/2024	16:22	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	16:22	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	16:22	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	16:22	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	16:22	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	16:22	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	16:22	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	16:22	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	16:22	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	16:22	LB133524
	Manganese	20.0	+/-20.0	U	20.0	P	11/19/2024	16:22	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	16:22	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	16:22	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	16:22	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	16:22	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	16:22	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	16:22	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	16:22	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	16:22	LB133524
CCB06	Aluminum	100	+/-100	U	100	P	11/19/2024	17:24	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	17:24	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	17:24	LB133524
	Barium	22.0	+/-100	J	100	P	11/19/2024	17:24	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	17:24	LB133524
	Cadmium	6.00	+/-6.00	U	6.00	P	11/19/2024	17:24	LB133524
	Calcium	2000	+/-2000	U	2000	P	11/19/2024	17:24	LB133524

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	11/19/2024	17:24	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	17:24	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	17:24	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	17:24	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	17:24	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	17:24	LB133524
	Manganese	6.51	+/-20.0	J	20.0	P	11/19/2024	17:24	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	17:24	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	17:24	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	17:24	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	17:24	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	17:24	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	17:24	LB133524
	Vanadium	40.0	+/-40.0	U	40.0	P	11/19/2024	17:24	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	17:24	LB133524
CCB07	Aluminum	100	+/-100	U	100	P	11/19/2024	18:05	LB133524
	Antimony	50.0	+/-50.0	U	50.0	P	11/19/2024	18:05	LB133524
	Arsenic	20.0	+/-20.0	U	20.0	P	11/19/2024	18:05	LB133524
	Barium	25.8	+/-100	J	100	P	11/19/2024	18:05	LB133524
	Beryllium	6.00	+/-6.00	U	6.00	P	11/19/2024	18:05	LB133524
	Cadmium	0.62	+/-6.00	J	6.00	P	11/19/2024	18:05	LB133524
	Calcium	81.8	+/-2000	J	2000	P	11/19/2024	18:05	LB133524
	Chromium	10.0	+/-10.0	U	10.0	P	11/19/2024	18:05	LB133524
	Cobalt	30.0	+/-30.0	U	30.0	P	11/19/2024	18:05	LB133524
	Copper	20.0	+/-20.0	U	20.0	P	11/19/2024	18:05	LB133524
	Iron	100	+/-100	U	100	P	11/19/2024	18:05	LB133524
	Lead	12.0	+/-12.0	U	12.0	P	11/19/2024	18:05	LB133524
	Magnesium	2000	+/-2000	U	2000	P	11/19/2024	18:05	LB133524
	Manganese	7.68	+/-20.0	J	20.0	P	11/19/2024	18:05	LB133524
	Nickel	40.0	+/-40.0	U	40.0	P	11/19/2024	18:05	LB133524
	Potassium	2000	+/-2000	U	2000	P	11/19/2024	18:05	LB133524
	Selenium	20.0	+/-20.0	U	20.0	P	11/19/2024	18:05	LB133524
	Silver	10.0	+/-10.0	U	10.0	P	11/19/2024	18:05	LB133524
	Sodium	2000	+/-2000	U	2000	P	11/19/2024	18:05	LB133524
	Thallium	40.0	+/-40.0	U	40.0	P	11/19/2024	18:05	LB133524
	Vanadium	6.34	+/-40.0	J	40.0	P	11/19/2024	18:05	LB133524
	Zinc	40.0	+/-40.0	U	40.0	P	11/19/2024	18:05	LB133524

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Metals
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PREPARATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165177BL		**SOLID**		**Batch Number:**	**PB165177**		**Prep Date:**	**11/21/2024**	
	Mercury	0.013	<0.013	U	0.013	CV	11/22/2024	14:13	LB133581

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165047BL		**SOLID**		**Batch Number:**	**PB165047**		**Prep Date:**	**11/18/2024**	
	Aluminum	4.48	<4.48	U	4.48	P	11/19/2024	17:28	LB133524
	Antimony	2.24	<2.24	U	2.24	P	11/19/2024	17:28	LB133524
	Arsenic	0.90	<0.90	U	0.90	P	11/19/2024	17:28	LB133524
	Barium	4.48	<4.48	U	4.48	P	11/19/2024	17:28	LB133524
	Beryllium	0.27	<0.27	U	0.27	P	11/19/2024	17:28	LB133524
	Cadmium	0.27	<0.27	U	0.27	P	11/19/2024	17:28	LB133524
	Calcium	89.7	<89.7	U	89.7	P	11/19/2024	17:28	LB133524
	Chromium	0.45	<0.45	U	0.45	P	11/19/2024	17:28	LB133524
	Cobalt	1.35	<1.35	U	1.35	P	11/19/2024	17:28	LB133524
	Copper	0.90	<0.90	U	0.90	P	11/19/2024	17:28	LB133524
	Iron	4.48	<4.48	U	4.48	P	11/19/2024	17:28	LB133524
	Lead	0.54	<0.54	U	0.54	P	11/19/2024	17:28	LB133524
	Magnesium	89.7	<89.7	U	89.7	P	11/19/2024	17:28	LB133524
	Manganese	0.90	<0.90	U	0.90	P	11/19/2024	17:28	LB133524
	Nickel	1.79	<1.79	U	1.79	P	11/19/2024	17:28	LB133524
	Potassium	89.7	<89.7	U	89.7	P	11/19/2024	17:28	LB133524
	Selenium	0.90	<0.90	U	0.90	P	11/19/2024	17:28	LB133524
	Silver	0.45	<0.45	U	0.45	P	11/19/2024	17:28	LB133524
	Sodium	89.7	<89.7	U	89.7	P	11/19/2024	17:28	LB133524
	Thallium	1.79	<1.79	U	1.79	P	11/19/2024	17:28	LB133524
	Vanadium	1.79	<1.79	U	1.79	P	11/19/2024	17:28	LB133524
	Zinc	1.79	<1.79	U	1.79	P	11/19/2024	17:28	LB133524

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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
ICV98	Mercury	3.65	4.0	91	90 - 110	CV	11/22/2024	13:57	LB133581

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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
CCV37	Mercury	4.87	5.0	97	90 - 110	CV	11/22/2024	14:02	LB133581
CCV38	Mercury	4.74	5.0	95	90 - 110	CV	11/22/2024	14:30	LB133581
CCV39	Mercury	4.73	5.0	94	90 - 110	CV	11/22/2024	14:57	LB133581
CCV40	Mercury	4.97	5.0	99	90 - 110	CV	11/22/2024	15:24	LB133581
CCV41	Mercury	4.85	5.0	97	90 - 110	CV	11/22/2024	15:47	LB133581

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	2680	2500	107	90 - 110	P	11/18/2024	12:57	LB133502
	Antimony	1040	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Arsenic	1040	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Barium	533	520	102	90 - 110	P	11/18/2024	12:57	LB133502
	Beryllium	521	510	102	90 - 110	P	11/18/2024	12:57	LB133502
	Cadmium	523	510	103	90 - 110	P	11/18/2024	12:57	LB133502
	Calcium	10400	10000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Chromium	554	520	107	90 - 110	P	11/18/2024	12:57	LB133502
	Cobalt	530	520	102	90 - 110	P	11/18/2024	12:57	LB133502
	Copper	544	510	107	90 - 110	P	11/18/2024	12:57	LB133502
	Iron	10500	10000	105	90 - 110	P	11/18/2024	12:57	LB133502
	Lead	1030	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Magnesium	6150	6000	102	90 - 110	P	11/18/2024	12:57	LB133502
	Manganese	534	520	103	90 - 110	P	11/18/2024	12:57	LB133502
	Nickel	531	530	100	90 - 110	P	11/18/2024	12:57	LB133502
	Potassium	10400	9900	105	90 - 110	P	11/18/2024	12:57	LB133502
	Selenium	1070	1000	107	90 - 110	P	11/18/2024	12:57	LB133502
	Silver	264	250	106	90 - 110	P	11/18/2024	12:57	LB133502
	Sodium	9990	10000	100	90 - 110	P	11/18/2024	12:57	LB133502
	Thallium	1040	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Vanadium	522	500	104	90 - 110	P	11/18/2024	12:57	LB133502
	Zinc	1080	1000	108	90 - 110	P	11/18/2024	12:57	LB133502

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	104	100	104	80 - 120	P	11/18/2024	13:11	LB133502
	Antimony	49.6	50.0	99	80 - 120	P	11/18/2024	13:11	LB133502
	Arsenic	18.9	20.0	94	80 - 120	P	11/18/2024	13:11	LB133502
	Barium	101	100	101	80 - 120	P	11/18/2024	13:11	LB133502
	Beryllium	6.06	6.0	101	80 - 120	P	11/18/2024	13:11	LB133502
	Cadmium	6.99	6.0	116	80 - 120	P	11/18/2024	13:11	LB133502
	Calcium	2060	2000	103	80 - 120	P	11/18/2024	13:11	LB133502
	Chromium	10.5	10.0	105	80 - 120	P	11/18/2024	13:11	LB133502
	Cobalt	29.4	30.0	98	80 - 120	P	11/18/2024	13:11	LB133502
	Copper	22.1	20.0	110	80 - 120	P	11/18/2024	13:11	LB133502
	Iron	100	100	100	80 - 120	P	11/18/2024	13:11	LB133502
	Lead	12.1	12.0	101	80 - 120	P	11/18/2024	13:11	LB133502
	Magnesium	2050	2000	102	80 - 120	P	11/18/2024	13:11	LB133502
	Manganese	20.8	20.0	104	80 - 120	P	11/18/2024	13:11	LB133502
	Nickel	39.0	40.0	97	80 - 120	P	11/18/2024	13:11	LB133502
	Potassium	1900	2000	95	80 - 120	P	11/18/2024	13:11	LB133502
	Selenium	20.9	20.0	105	80 - 120	P	11/18/2024	13:11	LB133502
	Silver	10.8	10.0	108	80 - 120	P	11/18/2024	13:11	LB133502
	Sodium	1650	2000	82	80 - 120	P	11/18/2024	13:11	LB133502
	Thallium	39.6	40.0	99	80 - 120	P	11/18/2024	13:11	LB133502
	Vanadium	40.1	40.0	100	80 - 120	P	11/18/2024	13:11	LB133502
	Zinc	43.9	40.0	110	80 - 120	P	11/18/2024	13:11	LB133502

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	10100	10000	101	90 - 110	P	11/18/2024	13:52	LB133502
	Antimony	5090	5000	102	90 - 110	P	11/18/2024	13:52	LB133502
	Arsenic	4990	5000	100	90 - 110	P	11/18/2024	13:52	LB133502
	Barium	9590	10000	96	90 - 110	P	11/18/2024	13:52	LB133502
	Beryllium	243	250	97	90 - 110	P	11/18/2024	13:52	LB133502
	Cadmium	2460	2500	98	90 - 110	P	11/18/2024	13:52	LB133502
	Calcium	24300	25000	97	90 - 110	P	11/18/2024	13:52	LB133502
	Chromium	1020	1000	102	90 - 110	P	11/18/2024	13:52	LB133502
	Cobalt	2460	2500	98	90 - 110	P	11/18/2024	13:52	LB133502
	Copper	1270	1250	101	90 - 110	P	11/18/2024	13:52	LB133502
	Iron	4940	5000	99	90 - 110	P	11/18/2024	13:52	LB133502
	Lead	4930	5000	99	90 - 110	P	11/18/2024	13:52	LB133502
	Magnesium	24500	25000	98	90 - 110	P	11/18/2024	13:52	LB133502
	Manganese	2370	2500	95	90 - 110	P	11/18/2024	13:52	LB133502
	Nickel	2460	2500	98	90 - 110	P	11/18/2024	13:52	LB133502
	Potassium	24900	25000	99	90 - 110	P	11/18/2024	13:52	LB133502
	Selenium	5110	5000	102	90 - 110	P	11/18/2024	13:52	LB133502
	Silver	1250	1250	100	90 - 110	P	11/18/2024	13:52	LB133502
	Sodium	24500	25000	98	90 - 110	P	11/18/2024	13:52	LB133502
	Thallium	5140	5000	103	90 - 110	P	11/18/2024	13:52	LB133502
	Vanadium	2470	2500	99	90 - 110	P	11/18/2024	13:52	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	13:52	LB133502
CCV02	Aluminum	10200	10000	102	90 - 110	P	11/18/2024	14:31	LB133502
	Antimony	5150	5000	103	90 - 110	P	11/18/2024	14:31	LB133502
	Arsenic	5030	5000	101	90 - 110	P	11/18/2024	14:31	LB133502
	Barium	9540	10000	95	90 - 110	P	11/18/2024	14:31	LB133502
	Beryllium	243	250	97	90 - 110	P	11/18/2024	14:31	LB133502
	Cadmium	2490	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Calcium	24500	25000	98	90 - 110	P	11/18/2024	14:31	LB133502
	Chromium	1030	1000	103	90 - 110	P	11/18/2024	14:31	LB133502
	Cobalt	2490	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Copper	1280	1250	102	90 - 110	P	11/18/2024	14:31	LB133502
	Iron	4940	5000	99	90 - 110	P	11/18/2024	14:31	LB133502
	Lead	4980	5000	100	90 - 110	P	11/18/2024	14:31	LB133502

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	24700	25000	99	90 - 110	P	11/18/2024	14:31	LB133502
	Manganese	2370	2500	95	90 - 110	P	11/18/2024	14:31	LB133502
	Nickel	2490	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Potassium	25400	25000	102	90 - 110	P	11/18/2024	14:31	LB133502
	Selenium	5160	5000	103	90 - 110	P	11/18/2024	14:31	LB133502
	Silver	1260	1250	100	90 - 110	P	11/18/2024	14:31	LB133502
	Sodium	24400	25000	98	90 - 110	P	11/18/2024	14:31	LB133502
	Thallium	5110	5000	102	90 - 110	P	11/18/2024	14:31	LB133502
	Vanadium	2500	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	14:31	LB133502
CCV03	Aluminum	10000	10000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Antimony	5130	5000	102	90 - 110	P	11/18/2024	15:35	LB133502
	Arsenic	5000	5000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Barium	9430	10000	94	90 - 110	P	11/18/2024	15:35	LB133502
	Beryllium	239	250	96	90 - 110	P	11/18/2024	15:35	LB133502
	Cadmium	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Calcium	23900	25000	96	90 - 110	P	11/18/2024	15:35	LB133502
	Chromium	1020	1000	102	90 - 110	P	11/18/2024	15:35	LB133502
	Cobalt	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Copper	1270	1250	101	90 - 110	P	11/18/2024	15:35	LB133502
	Iron	4850	5000	97	90 - 110	P	11/18/2024	15:35	LB133502
	Lead	4910	5000	98	90 - 110	P	11/18/2024	15:35	LB133502
	Magnesium	24100	25000	96	90 - 110	P	11/18/2024	15:35	LB133502
	Manganese	2320	2500	93	90 - 110	P	11/18/2024	15:35	LB133502
	Nickel	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Potassium	24900	25000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Selenium	5130	5000	103	90 - 110	P	11/18/2024	15:35	LB133502
	Silver	1240	1250	100	90 - 110	P	11/18/2024	15:35	LB133502
	Sodium	24100	25000	96	90 - 110	P	11/18/2024	15:35	LB133502
	Thallium	5000	5000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Vanadium	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	15:35	LB133502
CCV04	Aluminum	10000	10000	100	90 - 110	P	11/18/2024	16:25	LB133502
	Antimony	5140	5000	103	90 - 110	P	11/18/2024	16:25	LB133502

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5020	5000	100	90 - 110	P	11/18/2024	16:25	LB133502
	Barium	9440	10000	94	90 - 110	P	11/18/2024	16:25	LB133502
	Beryllium	241	250	96	90 - 110	P	11/18/2024	16:25	LB133502
	Cadmium	2460	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Calcium	24000	25000	96	90 - 110	P	11/18/2024	16:25	LB133502
	Chromium	1030	1000	103	90 - 110	P	11/18/2024	16:25	LB133502
	Cobalt	2450	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Copper	1270	1250	102	90 - 110	P	11/18/2024	16:25	LB133502
	Iron	4880	5000	98	90 - 110	P	11/18/2024	16:25	LB133502
	Lead	4910	5000	98	90 - 110	P	11/18/2024	16:25	LB133502
	Magnesium	24400	25000	97	90 - 110	P	11/18/2024	16:25	LB133502
	Manganese	2310	2500	92	90 - 110	P	11/18/2024	16:25	LB133502
	Nickel	2450	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Potassium	24900	25000	100	90 - 110	P	11/18/2024	16:25	LB133502
	Selenium	5210	5000	104	90 - 110	P	11/18/2024	16:25	LB133502
	Silver	1260	1250	101	90 - 110	P	11/18/2024	16:25	LB133502
	Sodium	24000	25000	96	90 - 110	P	11/18/2024	16:25	LB133502
	Thallium	5310	5000	106	90 - 110	P	11/18/2024	16:25	LB133502
	Vanadium	2460	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Zinc	2570	2500	103	90 - 110	P	11/18/2024	16:25	LB133502
CCV05	Aluminum	10200	10000	102	90 - 110	P	11/18/2024	17:01	LB133502
	Antimony	5270	5000	105	90 - 110	P	11/18/2024	17:01	LB133502
	Arsenic	5120	5000	102	90 - 110	P	11/18/2024	17:01	LB133502
	Barium	9720	10000	97	90 - 110	P	11/18/2024	17:01	LB133502
	Beryllium	246	250	98	90 - 110	P	11/18/2024	17:01	LB133502
	Cadmium	2500	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Calcium	24400	25000	98	90 - 110	P	11/18/2024	17:01	LB133502
	Chromium	1040	1000	104	90 - 110	P	11/18/2024	17:01	LB133502
	Cobalt	2500	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Copper	1300	1250	104	90 - 110	P	11/18/2024	17:01	LB133502
	Iron	4970	5000	99	90 - 110	P	11/18/2024	17:01	LB133502
	Lead	5000	5000	100	90 - 110	P	11/18/2024	17:01	LB133502
	Magnesium	24700	25000	99	90 - 110	P	11/18/2024	17:01	LB133502
	Manganese	2370	2500	95	90 - 110	P	11/18/2024	17:01	LB133502

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	2500	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Potassium	25600	25000	102	90 - 110	P	11/18/2024	17:01	LB133502
	Selenium	5040	5000	101	90 - 110	P	11/18/2024	17:01	LB133502
	Silver	1280	1250	102	90 - 110	P	11/18/2024	17:01	LB133502
	Sodium	25200	25000	101	90 - 110	P	11/18/2024	17:01	LB133502
	Thallium	5140	5000	103	90 - 110	P	11/18/2024	17:01	LB133502
	Vanadium	2510	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	17:01	LB133502
CCV06	Aluminum	10100	10000	101	90 - 110	P	11/18/2024	18:04	LB133502
	Antimony	5200	5000	104	90 - 110	P	11/18/2024	18:04	LB133502
	Arsenic	5080	5000	102	90 - 110	P	11/18/2024	18:04	LB133502
	Barium	9550	10000	96	90 - 110	P	11/18/2024	18:04	LB133502
	Beryllium	245	250	98	90 - 110	P	11/18/2024	18:04	LB133502
	Cadmium	2490	2500	100	90 - 110	P	11/18/2024	18:04	LB133502
	Calcium	24400	25000	97	90 - 110	P	11/18/2024	18:04	LB133502
	Chromium	1040	1000	104	90 - 110	P	11/18/2024	18:04	LB133502
	Cobalt	2490	2500	100	90 - 110	P	11/18/2024	18:04	LB133502
	Copper	1280	1250	102	90 - 110	P	11/18/2024	18:04	LB133502
	Iron	4960	5000	99	90 - 110	P	11/18/2024	18:04	LB133502
	Lead	4980	5000	100	90 - 110	P	11/18/2024	18:04	LB133502
	Magnesium	24600	25000	98	90 - 110	P	11/18/2024	18:04	LB133502
	Manganese	2360	2500	94	90 - 110	P	11/18/2024	18:04	LB133502
	Nickel	2490	2500	99	90 - 110	P	11/18/2024	18:04	LB133502
	Potassium	25300	25000	101	90 - 110	P	11/18/2024	18:04	LB133502
	Selenium	4980	5000	100	90 - 110	P	11/18/2024	18:04	LB133502
	Silver	1270	1250	102	90 - 110	P	11/18/2024	18:04	LB133502
	Sodium	24700	25000	99	90 - 110	P	11/18/2024	18:04	LB133502
	Thallium	5170	5000	104	90 - 110	P	11/18/2024	18:04	LB133502
	Vanadium	2490	2500	100	90 - 110	P	11/18/2024	18:04	LB133502
	Zinc	2570	2500	103	90 - 110	P	11/18/2024	18:04	LB133502
CCV07	Aluminum	10500	10000	105	90 - 110	P	11/18/2024	18:54	LB133502
	Antimony	5440	5000	109	90 - 110	P	11/18/2024	18:54	LB133502
	Arsenic	5290	5000	106	90 - 110	P	11/18/2024	18:54	LB133502
	Barium	9680	10000	97	90 - 110	P	11/18/2024	18:54	LB133502

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	251	250	100	90 - 110	P	11/18/2024	18:54	LB133502
	Cadmium	2570	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Calcium	25000	25000	100	90 - 110	P	11/18/2024	18:54	LB133502
	Chromium	1070	1000	107	90 - 110	P	11/18/2024	18:54	LB133502
	Cobalt	2570	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Copper	1330	1250	106	90 - 110	P	11/18/2024	18:54	LB133502
	Iron	5050	5000	101	90 - 110	P	11/18/2024	18:54	LB133502
	Lead	5140	5000	103	90 - 110	P	11/18/2024	18:54	LB133502
	Magnesium	25300	25000	101	90 - 110	P	11/18/2024	18:54	LB133502
	Manganese	2410	2500	96	90 - 110	P	11/18/2024	18:54	LB133502
	Nickel	2560	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Potassium	25800	25000	103	90 - 110	P	11/18/2024	18:54	LB133502
	Selenium	5260	5000	105	90 - 110	P	11/18/2024	18:54	LB133502
	Silver	1300	1250	104	90 - 110	P	11/18/2024	18:54	LB133502
	Sodium	24400	25000	97	90 - 110	P	11/18/2024	18:54	LB133502
	Thallium	5370	5000	108	90 - 110	P	11/18/2024	18:54	LB133502
	Vanadium	2570	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Zinc	2650	2500	106	90 - 110	P	11/18/2024	18:54	LB133502

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	2650	2500	106	90 - 110	P	11/19/2024	11:25	LB133524
	Antimony	1010	1000	101	90 - 110	P	11/19/2024	11:25	LB133524
	Arsenic	1020	1000	102	90 - 110	P	11/19/2024	11:25	LB133524
	Barium	542	520	104	90 - 110	P	11/19/2024	11:25	LB133524
	Beryllium	536	510	105	90 - 110	P	11/19/2024	11:25	LB133524
	Cadmium	526	510	103	90 - 110	P	11/19/2024	11:25	LB133524
	Calcium	10700	10000	107	90 - 110	P	11/19/2024	11:25	LB133524
	Chromium	551	520	106	90 - 110	P	11/19/2024	11:25	LB133524
	Cobalt	531	520	102	90 - 110	P	11/19/2024	11:25	LB133524
	Copper	538	510	105	90 - 110	P	11/19/2024	11:25	LB133524
	Iron	10400	10000	104	90 - 110	P	11/19/2024	11:25	LB133524
	Lead	1040	1000	104	90 - 110	P	11/19/2024	11:25	LB133524
	Magnesium	6280	6000	105	90 - 110	P	11/19/2024	11:25	LB133524
	Manganese	550	520	106	90 - 110	P	11/19/2024	11:25	LB133524
	Nickel	532	530	100	90 - 110	P	11/19/2024	11:25	LB133524
	Potassium	10000	9900	101	90 - 110	P	11/19/2024	11:25	LB133524
	Selenium	1040	1000	104	90 - 110	P	11/19/2024	11:25	LB133524
	Silver	261	250	105	90 - 110	P	11/19/2024	11:25	LB133524
	Sodium	9760	10000	98	90 - 110	P	11/19/2024	11:25	LB133524
	Thallium	1090	1000	109	90 - 110	P	11/19/2024	11:25	LB133524
	Vanadium	524	500	105	90 - 110	P	11/19/2024	11:25	LB133524
	Zinc	1060	1000	106	90 - 110	P	11/19/2024	11:25	LB133524

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	104	100	104	80 - 120	P	11/19/2024	11:34	LB133524
	Antimony	51.1	50.0	102	80 - 120	P	11/19/2024	11:34	LB133524
	Arsenic	20.5	20.0	102	80 - 120	P	11/19/2024	11:34	LB133524
	Barium	104	100	104	80 - 120	P	11/19/2024	11:34	LB133524
	Beryllium	5.85	6.0	98	80 - 120	P	11/19/2024	11:34	LB133524
	Cadmium	5.89	6.0	98	80 - 120	P	11/19/2024	11:34	LB133524
	Calcium	2090	2000	105	80 - 120	P	11/19/2024	11:34	LB133524
	Chromium	10.7	10.0	107	80 - 120	P	11/19/2024	11:34	LB133524
	Cobalt	29.9	30.0	100	80 - 120	P	11/19/2024	11:34	LB133524
	Copper	22.3	20.0	112	80 - 120	P	11/19/2024	11:34	LB133524
	Iron	100	100	100	80 - 120	P	11/19/2024	11:34	LB133524
	Lead	12.4	12.0	103	80 - 120	P	11/19/2024	11:34	LB133524
	Magnesium	2040	2000	102	80 - 120	P	11/19/2024	11:34	LB133524
	Manganese	21.4	20.0	107	80 - 120	P	11/19/2024	11:34	LB133524
	Nickel	39.7	40.0	99	80 - 120	P	11/19/2024	11:34	LB133524
	Potassium	1920	2000	96	80 - 120	P	11/19/2024	11:34	LB133524
	Selenium	20.6	20.0	103	80 - 120	P	11/19/2024	11:34	LB133524
	Silver	10.1	10.0	101	80 - 120	P	11/19/2024	11:34	LB133524
	Sodium	1820	2000	91	80 - 120	P	11/19/2024	11:34	LB133524
	Thallium	39.2	40.0	98	80 - 120	P	11/19/2024	11:34	LB133524
	Vanadium	40.3	40.0	101	80 - 120	P	11/19/2024	11:34	LB133524
	Zinc	45.8	40.0	114	80 - 120	P	11/19/2024	11:34	LB133524

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	9940	10000	99	90 - 110	P	11/19/2024	12:43	LB133524
	Antimony	4980	5000	100	90 - 110	P	11/19/2024	12:43	LB133524
	Arsenic	4970	5000	99	90 - 110	P	11/19/2024	12:43	LB133524
	Barium	10000	10000	100	90 - 110	P	11/19/2024	12:43	LB133524
	Beryllium	249	250	100	90 - 110	P	11/19/2024	12:43	LB133524
	Cadmium	2490	2500	100	90 - 110	P	11/19/2024	12:43	LB133524
	Calcium	24800	25000	99	90 - 110	P	11/19/2024	12:43	LB133524
	Chromium	996	1000	100	90 - 110	P	11/19/2024	12:43	LB133524
	Cobalt	2490	2500	100	90 - 110	P	11/19/2024	12:43	LB133524
	Copper	1260	1250	101	90 - 110	P	11/19/2024	12:43	LB133524
	Iron	4880	5000	98	90 - 110	P	11/19/2024	12:43	LB133524
	Lead	4990	5000	100	90 - 110	P	11/19/2024	12:43	LB133524
	Magnesium	24800	25000	99	90 - 110	P	11/19/2024	12:43	LB133524
	Manganese	2490	2500	100	90 - 110	P	11/19/2024	12:43	LB133524
	Nickel	2500	2500	100	90 - 110	P	11/19/2024	12:43	LB133524
	Potassium	24200	25000	97	90 - 110	P	11/19/2024	12:43	LB133524
	Selenium	4950	5000	99	90 - 110	P	11/19/2024	12:43	LB133524
	Silver	1230	1250	98	90 - 110	P	11/19/2024	12:43	LB133524
	Sodium	24200	25000	97	90 - 110	P	11/19/2024	12:43	LB133524
	Thallium	5030	5000	101	90 - 110	P	11/19/2024	12:43	LB133524
	Vanadium	2500	2500	100	90 - 110	P	11/19/2024	12:43	LB133524
	Zinc	2490	2500	100	90 - 110	P	11/19/2024	12:43	LB133524
CCV02	Aluminum	10600	10000	106	90 - 110	P	11/19/2024	13:34	LB133524
	Antimony	5360	5000	107	90 - 110	P	11/19/2024	13:34	LB133524
	Arsenic	5320	5000	106	90 - 110	P	11/19/2024	13:34	LB133524
	Barium	10300	10000	103	90 - 110	P	11/19/2024	13:34	LB133524
	Beryllium	262	250	105	90 - 110	P	11/19/2024	13:34	LB133524
	Cadmium	2610	2500	104	90 - 110	P	11/19/2024	13:34	LB133524
	Calcium	26100	25000	104	90 - 110	P	11/19/2024	13:34	LB133524
	Chromium	1070	1000	107	90 - 110	P	11/19/2024	13:34	LB133524
	Cobalt	2620	2500	105	90 - 110	P	11/19/2024	13:34	LB133524
	Copper	1350	1250	108	90 - 110	P	11/19/2024	13:34	LB133524
	Iron	5270	5000	105	90 - 110	P	11/19/2024	13:34	LB133524
	Lead	5240	5000	105	90 - 110	P	11/19/2024	13:34	LB133524

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	26200	25000	105	90 - 110	P	11/19/2024	13:34	LB133524
	Manganese	2580	2500	103	90 - 110	P	11/19/2024	13:34	LB133524
	Nickel	2620	2500	105	90 - 110	P	11/19/2024	13:34	LB133524
	Potassium	26300	25000	105	90 - 110	P	11/19/2024	13:34	LB133524
	Selenium	5340	5000	107	90 - 110	P	11/19/2024	13:34	LB133524
	Silver	1320	1250	106	90 - 110	P	11/19/2024	13:34	LB133524
	Sodium	25900	25000	103	90 - 110	P	11/19/2024	13:34	LB133524
	Thallium	5230	5000	104	90 - 110	P	11/19/2024	13:34	LB133524
	Vanadium	2640	2500	105	90 - 110	P	11/19/2024	13:34	LB133524
	Zinc	2680	2500	107	90 - 110	P	11/19/2024	13:34	LB133524
CCV03	Aluminum	10400	10000	104	90 - 110	P	11/19/2024	14:24	LB133524
	Antimony	5130	5000	103	90 - 110	P	11/19/2024	14:24	LB133524
	Arsenic	5110	5000	102	90 - 110	P	11/19/2024	14:24	LB133524
	Barium	10300	10000	102	90 - 110	P	11/19/2024	14:24	LB133524
	Beryllium	266	250	106	90 - 110	P	11/19/2024	14:24	LB133524
	Cadmium	2590	2500	104	90 - 110	P	11/19/2024	14:24	LB133524
	Calcium	26000	25000	104	90 - 110	P	11/19/2024	14:24	LB133524
	Chromium	1040	1000	104	90 - 110	P	11/19/2024	14:24	LB133524
	Cobalt	2600	2500	104	90 - 110	P	11/19/2024	14:24	LB133524
	Copper	1300	1250	104	90 - 110	P	11/19/2024	14:24	LB133524
	Iron	4990	5000	100	90 - 110	P	11/19/2024	14:24	LB133524
	Lead	5200	5000	104	90 - 110	P	11/19/2024	14:24	LB133524
	Magnesium	26000	25000	104	90 - 110	P	11/19/2024	14:24	LB133524
	Manganese	2590	2500	104	90 - 110	P	11/19/2024	14:24	LB133524
	Nickel	2600	2500	104	90 - 110	P	11/19/2024	14:24	LB133524
	Potassium	24600	25000	98	90 - 110	P	11/19/2024	14:24	LB133524
	Selenium	5080	5000	102	90 - 110	P	11/19/2024	14:24	LB133524
	Silver	1280	1250	102	90 - 110	P	11/19/2024	14:24	LB133524
	Sodium	24500	25000	98	90 - 110	P	11/19/2024	14:24	LB133524
	Thallium	5160	5000	103	90 - 110	P	11/19/2024	14:24	LB133524
	Vanadium	2600	2500	104	90 - 110	P	11/19/2024	14:24	LB133524
	Zinc	2590	2500	104	90 - 110	P	11/19/2024	14:24	LB133524
CCV04	Aluminum	10400	10000	104	90 - 110	P	11/19/2024	15:31	LB133524
	Antimony	5290	5000	106	90 - 110	P	11/19/2024	15:31	LB133524

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	5260	5000	105	90 - 110	P	11/19/2024	15:31	LB133524
	Barium	10500	10000	105	90 - 110	P	11/19/2024	15:31	LB133524
	Beryllium	261	250	104	90 - 110	P	11/19/2024	15:31	LB133524
	Cadmium	2610	2500	104	90 - 110	P	11/19/2024	15:31	LB133524
	Calcium	25800	25000	103	90 - 110	P	11/19/2024	15:31	LB133524
	Chromium	1050	1000	105	90 - 110	P	11/19/2024	15:31	LB133524
	Cobalt	2610	2500	105	90 - 110	P	11/19/2024	15:31	LB133524
	Copper	1330	1250	106	90 - 110	P	11/19/2024	15:31	LB133524
	Iron	5080	5000	102	90 - 110	P	11/19/2024	15:31	LB133524
	Lead	5230	5000	105	90 - 110	P	11/19/2024	15:31	LB133524
	Magnesium	25800	25000	103	90 - 110	P	11/19/2024	15:31	LB133524
	Manganese	2570	2500	103	90 - 110	P	11/19/2024	15:31	LB133524
	Nickel	2620	2500	105	90 - 110	P	11/19/2024	15:31	LB133524
	Potassium	25500	25000	102	90 - 110	P	11/19/2024	15:31	LB133524
	Selenium	5280	5000	106	90 - 110	P	11/19/2024	15:31	LB133524
	Silver	1290	1250	103	90 - 110	P	11/19/2024	15:31	LB133524
	Sodium	25600	25000	102	90 - 110	P	11/19/2024	15:31	LB133524
	Thallium	5410	5000	108	90 - 110	P	11/19/2024	15:31	LB133524
	Vanadium	2610	2500	104	90 - 110	P	11/19/2024	15:31	LB133524
	Zinc	2620	2500	105	90 - 110	P	11/19/2024	15:31	LB133524
CCV05	Aluminum	10400	10000	104	90 - 110	P	11/19/2024	16:18	LB133524
	Antimony	5220	5000	104	90 - 110	P	11/19/2024	16:18	LB133524
	Arsenic	5210	5000	104	90 - 110	P	11/19/2024	16:18	LB133524
	Barium	10300	10000	103	90 - 110	P	11/19/2024	16:18	LB133524
	Beryllium	257	250	103	90 - 110	P	11/19/2024	16:18	LB133524
	Cadmium	2580	2500	103	90 - 110	P	11/19/2024	16:18	LB133524
	Calcium	25600	25000	102	90 - 110	P	11/19/2024	16:18	LB133524
	Chromium	1050	1000	105	90 - 110	P	11/19/2024	16:18	LB133524
	Cobalt	2580	2500	103	90 - 110	P	11/19/2024	16:18	LB133524
	Copper	1310	1250	105	90 - 110	P	11/19/2024	16:18	LB133524
	Iron	5140	5000	103	90 - 110	P	11/19/2024	16:18	LB133524
	Lead	5170	5000	104	90 - 110	P	11/19/2024	16:18	LB133524
	Magnesium	25600	25000	102	90 - 110	P	11/19/2024	16:18	LB133524
	Manganese	2540	2500	102	90 - 110	P	11/19/2024	16:18	LB133524

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	2590	2500	104	90 - 110	P	11/19/2024	16:18	LB133524
	Potassium	25700	25000	103	90 - 110	P	11/19/2024	16:18	LB133524
	Selenium	5240	5000	105	90 - 110	P	11/19/2024	16:18	LB133524
	Silver	1290	1250	103	90 - 110	P	11/19/2024	16:18	LB133524
	Sodium	25300	25000	101	90 - 110	P	11/19/2024	16:18	LB133524
	Thallium	5210	5000	104	90 - 110	P	11/19/2024	16:18	LB133524
	Vanadium	2590	2500	104	90 - 110	P	11/19/2024	16:18	LB133524
	Zinc	2640	2500	106	90 - 110	P	11/19/2024	16:18	LB133524
CCV06	Aluminum	10500	10000	105	90 - 110	P	11/19/2024	17:19	LB133524
	Antimony	5280	5000	106	90 - 110	P	11/19/2024	17:19	LB133524
	Arsenic	5270	5000	105	90 - 110	P	11/19/2024	17:19	LB133524
	Barium	10400	10000	104	90 - 110	P	11/19/2024	17:19	LB133524
	Beryllium	261	250	104	90 - 110	P	11/19/2024	17:19	LB133524
	Cadmium	2610	2500	104	90 - 110	P	11/19/2024	17:19	LB133524
	Calcium	25800	25000	103	90 - 110	P	11/19/2024	17:19	LB133524
	Chromium	1060	1000	106	90 - 110	P	11/19/2024	17:19	LB133524
	Cobalt	2600	2500	104	90 - 110	P	11/19/2024	17:19	LB133524
	Copper	1330	1250	106	90 - 110	P	11/19/2024	17:19	LB133524
	Iron	5190	5000	104	90 - 110	P	11/19/2024	17:19	LB133524
	Lead	5240	5000	105	90 - 110	P	11/19/2024	17:19	LB133524
	Magnesium	25800	25000	103	90 - 110	P	11/19/2024	17:19	LB133524
	Manganese	2540	2500	102	90 - 110	P	11/19/2024	17:19	LB133524
	Nickel	2610	2500	104	90 - 110	P	11/19/2024	17:19	LB133524
	Potassium	25900	25000	104	90 - 110	P	11/19/2024	17:19	LB133524
	Selenium	5310	5000	106	90 - 110	P	11/19/2024	17:19	LB133524
	Silver	1310	1250	105	90 - 110	P	11/19/2024	17:19	LB133524
	Sodium	25900	25000	103	90 - 110	P	11/19/2024	17:19	LB133524
	Thallium	5300	5000	106	90 - 110	P	11/19/2024	17:19	LB133524
	Vanadium	2600	2500	104	90 - 110	P	11/19/2024	17:19	LB133524
	Zinc	2680	2500	107	90 - 110	P	11/19/2024	17:19	LB133524
CCV07	Aluminum	10300	10000	102	90 - 110	P	11/19/2024	18:01	LB133524
	Antimony	5080	5000	102	90 - 110	P	11/19/2024	18:01	LB133524
	Arsenic	5070	5000	101	90 - 110	P	11/19/2024	18:01	LB133524
	Barium	10600	10000	106	90 - 110	P	11/19/2024	18:01	LB133524

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	256	250	102	90 - 110	P	11/19/2024	18:01	LB133524
	Cadmium	2490	2500	99	90 - 110	P	11/19/2024	18:01	LB133524
	Calcium	25100	25000	100	90 - 110	P	11/19/2024	18:01	LB133524
	Chromium	1020	1000	102	90 - 110	P	11/19/2024	18:01	LB133524
	Cobalt	2490	2500	100	90 - 110	P	11/19/2024	18:01	LB133524
	Copper	1290	1250	104	90 - 110	P	11/19/2024	18:01	LB133524
	Iron	4990	5000	100	90 - 110	P	11/19/2024	18:01	LB133524
	Lead	5020	5000	100	90 - 110	P	11/19/2024	18:01	LB133524
	Magnesium	25100	25000	100	90 - 110	P	11/19/2024	18:01	LB133524
	Manganese	2600	2500	104	90 - 110	P	11/19/2024	18:01	LB133524
	Nickel	2500	2500	100	90 - 110	P	11/19/2024	18:01	LB133524
	Potassium	25200	25000	101	90 - 110	P	11/19/2024	18:01	LB133524
	Selenium	5100	5000	102	90 - 110	P	11/19/2024	18:01	LB133524
	Silver	1270	1250	101	90 - 110	P	11/19/2024	18:01	LB133524
	Sodium	25600	25000	102	90 - 110	P	11/19/2024	18:01	LB133524
	Thallium	4940	5000	99	90 - 110	P	11/19/2024	18:01	LB133524
	Vanadium	2540	2500	102	90 - 110	P	11/19/2024	18:01	LB133524
	Zinc	2480	2500	99	90 - 110	P	11/19/2024	18:01	LB133524

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Aluminum	107	100	107	40 - 160	P	11/18/2024	13:20	LB133502
	Antimony	51.5	50.0	103	40 - 160	P	11/18/2024	13:20	LB133502
	Arsenic	19.8	20.0	99	40 - 160	P	11/18/2024	13:20	LB133502
	Barium	98.9	100	99	40 - 160	P	11/18/2024	13:20	LB133502
	Beryllium	5.98	6.0	100	40 - 160	P	11/18/2024	13:20	LB133502
	Cadmium	7.02	6.0	117	40 - 160	P	11/18/2024	13:20	LB133502
	Calcium	2040	2000	102	40 - 160	P	11/18/2024	13:20	LB133502
	Chromium	10.5	10.0	105	40 - 160	P	11/18/2024	13:20	LB133502
	Cobalt	29.7	30.0	99	40 - 160	P	11/18/2024	13:20	LB133502
	Copper	22.7	20.0	113	40 - 160	P	11/18/2024	13:20	LB133502
	Iron	99.2	100	99	40 - 160	P	11/18/2024	13:20	LB133502
	Lead	11.7	12.0	97	40 - 160	P	11/18/2024	13:20	LB133502
	Magnesium	2030	2000	102	40 - 160	P	11/18/2024	13:20	LB133502
	Manganese	20.0	20.0	100	40 - 160	P	11/18/2024	13:20	LB133502
	Nickel	39.4	40.0	98	40 - 160	P	11/18/2024	13:20	LB133502
	Potassium	1920	2000	96	40 - 160	P	11/18/2024	13:20	LB133502
	Selenium	21.8	20.0	109	40 - 160	P	11/18/2024	13:20	LB133502
	Silver	11.0	10.0	110	40 - 160	P	11/18/2024	13:20	LB133502
	Sodium	1640	2000	82	40 - 160	P	11/18/2024	13:20	LB133502
	Thallium	40.7	40.0	102	40 - 160	P	11/18/2024	13:20	LB133502
	Vanadium	41.7	40.0	104	40 - 160	P	11/18/2024	13:20	LB133502
	Zinc	44.6	40.0	111	40 - 160	P	11/18/2024	13:20	LB133502
CRI01	Aluminum	107	100	107	40 - 160	P	11/19/2024	11:43	LB133524
	Antimony	49.1	50.0	98	40 - 160	P	11/19/2024	11:43	LB133524
	Arsenic	19.4	20.0	97	40 - 160	P	11/19/2024	11:43	LB133524
	Barium	105	100	105	40 - 160	P	11/19/2024	11:43	LB133524
	Beryllium	5.90	6.0	98	40 - 160	P	11/19/2024	11:43	LB133524
	Cadmium	5.78	6.0	96	40 - 160	P	11/19/2024	11:43	LB133524
	Calcium	2070	2000	104	40 - 160	P	11/19/2024	11:43	LB133524
	Chromium	10.2	10.0	102	40 - 160	P	11/19/2024	11:43	LB133524
	Cobalt	29.6	30.0	99	40 - 160	P	11/19/2024	11:43	LB133524
	Copper	22.2	20.0	111	40 - 160	P	11/19/2024	11:43	LB133524
	Iron	96.0	100	96	40 - 160	P	11/19/2024	11:43	LB133524
	Lead	12.1	12.0	101	40 - 160	P	11/19/2024	11:43	LB133524
	Magnesium	2050	2000	102	40 - 160	P	11/19/2024	11:43	LB133524
	Manganese	21.1	20.0	106	40 - 160	P	11/19/2024	11:43	LB133524

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Nickel	39.1	40.0	98	40 - 160	P	11/19/2024	11:43	LB133524
	Potassium	1920	2000	96	40 - 160	P	11/19/2024	11:43	LB133524
	Selenium	18.1	20.0	90	40 - 160	P	11/19/2024	11:43	LB133524
	Silver	10.1	10.0	101	40 - 160	P	11/19/2024	11:43	LB133524
	Sodium	1810	2000	90	40 - 160	P	11/19/2024	11:43	LB133524
	Thallium	39.1	40.0	98	40 - 160	P	11/19/2024	11:43	LB133524
	Vanadium	39.6	40.0	99	40 - 160	P	11/19/2024	11:43	LB133524
	Zinc	42.4	40.0	106	40 - 160	P	11/19/2024	11:43	LB133524
CRA	Mercury	0.22	0.2	112	40 - 160	CV	11/22/2024	14:07	LB133581

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	255000	255000	100	216000	294000	11/18/2024	13:30	LB133502
	Antimony	-3.34			-50	50	11/18/2024	13:30	LB133502
	Arsenic	6.18			-20	20	11/18/2024	13:30	LB133502
	Barium	2.50	6.0	42	-94	106	11/18/2024	13:30	LB133502
	Beryllium	1.39			-6	6	11/18/2024	13:30	LB133502
	Cadmium	4.50	1.0	450	-5	7	11/18/2024	13:30	LB133502
	Calcium	234000	245000	96	208000	282000	11/18/2024	13:30	LB133502
	Chromium	56.3	52.0	108	42	62	11/18/2024	13:30	LB133502
	Cobalt	1.87			-30	30	11/18/2024	13:30	LB133502
	Copper	14.3	2.0	715	-18	22	11/18/2024	13:30	LB133502
	Iron	96400	101000	95	85600	116500	11/18/2024	13:30	LB133502
	Lead	8.39			-12	12	11/18/2024	13:30	LB133502
	Magnesium	257000	255000	101	216000	294000	11/18/2024	13:30	LB133502
	Manganese	3.33	7.0	48	-13	27	11/18/2024	13:30	LB133502
	Nickel	2.89	2.0	144	-38	42	11/18/2024	13:30	LB133502
	Potassium	43.3			0	0	11/18/2024	13:30	LB133502
	Selenium	-16.2			-20	20	11/18/2024	13:30	LB133502
	Silver	-0.11			-10	10	11/18/2024	13:30	LB133502
	Sodium	-43.4			0	0	11/18/2024	13:30	LB133502
	Thallium	-4.41			-40	40	11/18/2024	13:30	LB133502
	Vanadium	7.77			-40	40	11/18/2024	13:30	LB133502
	Zinc	5.14			-40	40	11/18/2024	13:30	LB133502
ICSAB01	Aluminum	263000	247000	106	209000	285000	11/18/2024	13:42	LB133502
	Antimony	633	618	102	525	711	11/18/2024	13:42	LB133502
	Arsenic	116	104	112	88.4	120	11/18/2024	13:42	LB133502
	Barium	493	537	92	437	637	11/18/2024	13:42	LB133502
	Beryllium	495	495	100	420	570	11/18/2024	13:42	LB133502
	Cadmium	1020	972	105	826	1120	11/18/2024	13:42	LB133502
	Calcium	238000	235000	101	199000	271000	11/18/2024	13:42	LB133502
	Chromium	579	542	107	460	624	11/18/2024	13:42	LB133502
	Cobalt	508	476	107	404	548	11/18/2024	13:42	LB133502
	Copper	506	511	99	434	588	11/18/2024	13:42	LB133502
	Iron	98700	99300	99	84400	114500	11/18/2024	13:42	LB133502
	Lead	57.7	49.0	118	37	61	11/18/2024	13:42	LB133502
	Magnesium	262000	248000	106	210000	286000	11/18/2024	13:42	LB133502
	Manganese	475	507	94	430	584	11/18/2024	13:42	LB133502
	Nickel	1000	954	105	810	1100	11/18/2024	13:42	LB133502
	Potassium	-18.9			0	0	11/18/2024	13:42	LB133502
	Selenium	32.7	46.0	71	26	66	11/18/2024	13:42	LB133502
	Silver	202	201	100	170	232	11/18/2024	13:42	LB133502
	Sodium	-170			0	0	11/18/2024	13:42	LB133502
	Thallium	91.6	108	85	68	148	11/18/2024	13:42	LB133502

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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	499	491	102	417	565	11/18/2024	13:42	LB133502
	Zinc	894	952	94	809	1095	11/18/2024	13:42	LB133502
ICSA01	Aluminum	263000	255000	103	216000	294000	11/19/2024	11:47	LB133524
	Antimony	-1.78			-50	50	11/19/2024	11:47	LB133524
	Arsenic	3.30			-20	20	11/19/2024	11:47	LB133524
	Barium	5.39	6.0	90	-94	106	11/19/2024	11:47	LB133524
	Beryllium	1.27			-6	6	11/19/2024	11:47	LB133524
	Cadmium	3.48	1.0	348	-5	7	11/19/2024	11:47	LB133524
	Calcium	251000	245000	102	208000	282000	11/19/2024	11:47	LB133524
	Chromium	57.2	52.0	110	42	62	11/19/2024	11:47	LB133524
	Cobalt	2.14			-30	30	11/19/2024	11:47	LB133524
	Copper	7.48	2.0	374	-18	22	11/19/2024	11:47	LB133524
	Iron	98200	101000	97	85600	116500	11/19/2024	11:47	LB133524
	Lead	8.06			-12	12	11/19/2024	11:47	LB133524
	Magnesium	274000	255000	108	216000	294000	11/19/2024	11:47	LB133524
	Manganese	4.02	7.0	57	-13	27	11/19/2024	11:47	LB133524
	Nickel	2.06	2.0	103	-38	42	11/19/2024	11:47	LB133524
	Potassium	43.8			0	0	11/19/2024	11:47	LB133524
	Selenium	-17.4			-20	20	11/19/2024	11:47	LB133524
	Silver	-0.45			-10	10	11/19/2024	11:47	LB133524
	Sodium	49.8			0	0	11/19/2024	11:47	LB133524
	Thallium	-3.78			-40	40	11/19/2024	11:47	LB133524
	Vanadium	7.04			-40	40	11/19/2024	11:47	LB133524
	Zinc	5.70			-40	40	11/19/2024	11:47	LB133524
ICSAB01	Aluminum	265000	247000	107	209000	285000	11/19/2024	11:51	LB133524
	Antimony	626	618	101	525	711	11/19/2024	11:51	LB133524
	Arsenic	116	104	112	88.4	120	11/19/2024	11:51	LB133524
	Barium	525	537	98	437	637	11/19/2024	11:51	LB133524
	Beryllium	524	495	106	420	570	11/19/2024	11:51	LB133524
	Cadmium	832	972	86	826	1120	11/19/2024	11:51	LB133524
	Calcium	250000	235000	106	199000	271000	11/19/2024	11:51	LB133524
	Chromium	571	542	105	460	624	11/19/2024	11:51	LB133524
	Cobalt	518	476	109	404	548	11/19/2024	11:51	LB133524
	Copper	493	511	96	434	588	11/19/2024	11:51	LB133524
	Iron	99700	99300	100	84400	114500	11/19/2024	11:51	LB133524
	Lead	57.8	49.0	118	37	61	11/19/2024	11:51	LB133524
	Magnesium	273000	248000	110	210000	286000	11/19/2024	11:51	LB133524
	Manganese	509	507	100	430	584	11/19/2024	11:51	LB133524
	Nickel	1020	954	107	810	1100	11/19/2024	11:51	LB133524
	Potassium	62.1			0	0	11/19/2024	11:51	LB133524
	Selenium	31.5	46.0	68	26	66	11/19/2024	11:51	LB133524
	Silver	201	201	100	170	232	11/19/2024	11:51	LB133524

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Sodium	62.8			0	0	11/19/2024	11:51	LB133524
	Thallium	91.5	108	85	68	148	11/19/2024	11:51	LB133524
	Vanadium	509	491	104	417	565	11/19/2024	11:51	LB133524
	Zinc	1090	952	114	809	1095	11/19/2024	11:51	LB133524

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: Tetra Tech **level:** low **sdg no.:** P4860

contract: CORN02 **lab code:** CHEM **case no.:** P4860 **sas no.:** P4860

matrix: Solid **sample id:** P4860-01 **client id:** DUP-01MS

Percent Solids for Sample: 96.8 **Spiked ID:** P4860-01MS **Percent Solids for Spike Sample:** 96.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.25		0.013	U	0.27	93		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech **level:** low **sdg no.:** P4860

contract: CORN02 **lab code:** CHEM **case no.:** P4860 **sas no.:** P4860

matrix: Solid **sample id:** P4860-01 **client id:** DUP-01MSD

Percent Solids for Sample: 96.8 **Spiked ID:** P4860-01MSD **Percent Solids for Spike Sample:** 96.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.26		0.013	U	0.27	95		CV

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metals
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MATRIX SPIKE SUMMARY

client: Tetra Tech **level:** low **sdg no.:** P4860

contract: CORN02 **lab code:** CHEM **case no.:** P4860 **sas no.:** P4860

matrix: Solid **sample id:** P4889-05 **client id:** #72-11930MS

Percent Solids for Sample: 93.4 **Spiked ID:** P4889-05MS **Percent Solids for Spike Sample:** 93.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6620		5730		93.5	950		P
Antimony	mg/Kg	75 - 125	19.3		2.39	U	37.4	52	N	P
Arsenic	mg/Kg	75 - 125	31.9		2.76		37.4	78		P
Barium	mg/Kg	75 - 125	47.6		38.5		9.4	97		P
Beryllium	mg/Kg	75 - 125	7.87		0.46		9.4	79		P
Cadmium	mg/Kg	75 - 125	9.09		0.68		9.4	89		P
Calcium	mg/Kg	75 - 125	1160		1040		46.8	253		P
Chromium	mg/Kg	75 - 125	25.9		9.39		18.7	88		P
Cobalt	mg/Kg	75 - 125	13.0		4.00		9.4	96		P
Copper	mg/Kg	75 - 125	27.0		17.5		14.0	68	N	P
Iron	mg/Kg	75 - 125	7810		6970		140	604		P
Lead	mg/Kg	75 - 125	99.2		56.5		46.8	91		P
Magnesium	mg/Kg	75 - 125	1580		1350		93.5	250		P
Manganese	mg/Kg	75 - 125	192		167		9.4	264		P
Nickel	mg/Kg	75 - 125	30.3		8.65		23.4	93		P
Potassium	mg/Kg	75 - 125	936		516		470	89		P
Selenium	mg/Kg	75 - 125	67.5		0.41	J	93.5	72	N	P
Silver	mg/Kg	75 - 125	2.96		0.12	J	3.5	81		P
Sodium	mg/Kg	75 - 125	273		155		140	84		P
Thallium	mg/Kg	75 - 125	79.1		1.91	U	93.5	85		P
Vanadium	mg/Kg	75 - 125	25.4		13.1		14.0	88		P
Zinc	mg/Kg	75 - 125	75.4		63.1		9.4	131		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech **level:** low **sdg no.:** P4860

contract: CORN02 **lab code:** CHEM **case no.:** P4860 **sas no.:** P4860

matrix: Solid **sample id:** P4889-05 **client id:** #72-11930MSD

Percent Solids for Sample: 93.4 **Spiked ID:** P4889-05MSD **Percent Solids for Spike Sample:** 93.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6510		5730		92.3	845		P
Antimony	mg/Kg	75 - 125	19.1		2.39	U	36.9	52	N	P
Arsenic	mg/Kg	75 - 125	31.4		2.76		36.9	78		P
Barium	mg/Kg	75 - 125	47.4		38.5		9.2	96		P
Beryllium	mg/Kg	75 - 125	7.81		0.46		9.2	80		P
Cadmium	mg/Kg	75 - 125	8.99		0.68		9.2	90		P
Calcium	mg/Kg	75 - 125	1130		1040		46.1	180		P
Chromium	mg/Kg	75 - 125	25.8		9.39		18.5	89		P
Cobalt	mg/Kg	75 - 125	12.9		4.00		9.2	96		P
Copper	mg/Kg	75 - 125	26.7		17.5		13.8	67	N	P
Iron	mg/Kg	75 - 125	7720		6970		140	537		P
Lead	mg/Kg	75 - 125	98.3		56.5		46.1	91		P
Magnesium	mg/Kg	75 - 125	1560		1350		92.3	231		P
Manganese	mg/Kg	75 - 125	189		167		9.2	243		P
Nickel	mg/Kg	75 - 125	30.0		8.65		23.1	93		P
Potassium	mg/Kg	75 - 125	924		516		460	89		P
Selenium	mg/Kg	75 - 125	66.6		0.41	J	92.3	72	N	P
Silver	mg/Kg	75 - 125	2.93		0.12	J	3.5	80		P
Sodium	mg/Kg	75 - 125	268		155		140	80		P
Thallium	mg/Kg	75 - 125	80.0		1.91	U	92.3	87		P
Vanadium	mg/Kg	75 - 125	25.1		13.1		13.8	88		P
Zinc	mg/Kg	75 - 125	73.5		63.1		9.2	113		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Matrix: Solid **Level:** LOW **Client ID:** #72-11930A

Sample ID: P4889-05 **Spiked ID:** P4889-05A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	18.8		2.39	U	38.2	49		P
Copper	mg/Kg	75 - 125	26.0		17.5		14.3	59		P
Selenium	mg/Kg	75 - 125	65.7		0.41	J	95.6	68		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech **Level:** LOW **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Matrix: Solid **Sample ID:** P4860-01 **Client ID:** DUP-01DUP

Percent Solids for Sample: 96.8 **Duplicate ID** P4860-01DUP **Percent Solids for Spike Sample:** 96.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.013	U	0.013	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech **Level:** LOW **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Matrix: Solid **Sample ID:** P4860-01MS **Client ID:** DUP-01MSD

Percent Solids for Sample: 96.8 **Duplicate ID** P4860-01MSD **Percent Solids for Spike Sample:** 96.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.25		0.26		3		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech **Level:** LOW **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Matrix: Solid **Sample ID:** P4889-05 **Client ID:** #72-11930DUP

Percent Solids for Sample: 93.4 **Duplicate ID** P4889-05DUP **Percent Solids for Spike Sample:** 93.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5730		5930		3		P
Antimony	mg/Kg	20	2.39	U	2.46	U			P
Arsenic	mg/Kg	20	2.76		2.89		5		P
Barium	mg/Kg	20	38.5		39.6		3		P
Beryllium	mg/Kg	20	0.46		0.47		2		P
Cadmium	mg/Kg	20	0.68		0.75		10		P
Calcium	mg/Kg	20	1040		1040		0		P
Chromium	mg/Kg	20	9.39		9.88		5		P
Cobalt	mg/Kg	20	4.00		4.28		7		P
Copper	mg/Kg	20	17.5		18.7		7		P
Iron	mg/Kg	20	6970		7270		4		P
Lead	mg/Kg	20	56.5		60.4		7		P
Magnesium	mg/Kg	20	1350		1390		3		P
Manganese	mg/Kg	20	167		172		3		P
Nickel	mg/Kg	20	8.65		9.19		6		P
Potassium	mg/Kg	20	516		544		5		P
Selenium	mg/Kg	20	0.41	J	0.39	J	3		P
Silver	mg/Kg	20	0.12	J	0.11	J	9		P
Sodium	mg/Kg	20	155		158		2		P
Thallium	mg/Kg	20	1.91	U	1.96	U			P
Vanadium	mg/Kg	20	13.1		13.5		3		P
Zinc	mg/Kg	20	63.1		64.0		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech **Level:** LOW **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Matrix: Solid **Sample ID:** P4889-05MS **Client ID:** #72-11930MSD

Percent Solids for Sample: 93.4 **Duplicate ID** P4889-05MSD **Percent Solids for Spike Sample:** 93.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6620		6510		2		P
Antimony	mg/Kg	20	19.3		19.1		1		P
Arsenic	mg/Kg	20	31.9		31.4		2		P
Barium	mg/Kg	20	47.6		47.4		0		P
Beryllium	mg/Kg	20	7.87		7.81		1		P
Cadmium	mg/Kg	20	9.09		8.99		1		P
Calcium	mg/Kg	20	1160		1130		3		P
Chromium	mg/Kg	20	25.9		25.8		0		P
Cobalt	mg/Kg	20	13.0		12.9		1		P
Copper	mg/Kg	20	27.0		26.7		1		P
Iron	mg/Kg	20	7810		7720		1		P
Lead	mg/Kg	20	99.2		98.3		1		P
Magnesium	mg/Kg	20	1580		1560		1		P
Manganese	mg/Kg	20	192		189		2		P
Nickel	mg/Kg	20	30.3		30.0		1		P
Potassium	mg/Kg	20	936		924		1		P
Selenium	mg/Kg	20	67.5		66.6		1		P
Silver	mg/Kg	20	2.96		2.93		1		P
Sodium	mg/Kg	20	273		268		2		P
Thallium	mg/Kg	20	79.1		80.0		1		P
Vanadium	mg/Kg	20	25.4		25.1		1		P
Zinc	mg/Kg	20	75.4		73.5		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

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165047BS							
Aluminum	mg/Kg	89.7	95.0		106	80 - 120	P
Antimony	mg/Kg	35.9	36.4		101	80 - 120	P
Arsenic	mg/Kg	35.9	37.2		104	80 - 120	P
Barium	mg/Kg	9.0	9.72		108	80 - 120	P
Beryllium	mg/Kg	9.0	10.1		112	80 - 120	P
Cadmium	mg/Kg	9.0	9.45		105	80 - 120	P
Calcium	mg/Kg	44.8	50.5	J	113	80 - 120	P
Chromium	mg/Kg	17.9	19.3		108	80 - 120	P
Cobalt	mg/Kg	9.0	9.50		106	80 - 120	P
Copper	mg/Kg	13.5	14.8		110	80 - 120	P
Iron	mg/Kg	130	138		106	80 - 120	P
Lead	mg/Kg	44.8	47.2		105	80 - 120	P
Magnesium	mg/Kg	89.7	96.1		107	80 - 120	P
Manganese	mg/Kg	9.0	9.98		111	80 - 120	P
Nickel	mg/Kg	22.4	23.8		106	80 - 120	P
Potassium	mg/Kg	450	440		98	80 - 120	P
Selenium	mg/Kg	89.7	93.6		104	80 - 120	P
Silver	mg/Kg	3.4	3.53		104	80 - 120	P
Sodium	mg/Kg	130	128		98	80 - 120	P
Thallium	mg/Kg	89.7	101		113	80 - 120	P
Vanadium	mg/Kg	13.5	14.6		108	80 - 120	P
Zinc	mg/Kg	9.0	9.92		110	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165177BS							
Mercury	mg/Kg	0.26	0.24		94	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

DUP-01L

Lab Name: Chemtech Consulting Group **Contract:** CORN02

Lab Code: CHEM **Lb No.:** lb133581 **Lab Sample ID :** P4860-01L **SDG No.:** P4860

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	0.013	U	0.066	U			CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

#72-11930L

Lab Name: Chemtech Consulting Group **Contract:** CORN02

Lab Code: CHEM **Lb No.:** lb133502 **Lab Sample ID :** P4889-05L **SDG No.:** P4860

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	5730		6710		17		P
Antimony	2.39	U	11.9	U			P
Arsenic	2.76		2.30	J	17		P
Barium	38.5		44.1		14		P
Beryllium	0.46		0.58	J	25		P
Cadmium	0.68		0.52	J	23		P
Calcium	1040		1220		17		P
Chromium	9.39		11.4		21		P
Cobalt	4.00		4.35	J	9		P
Copper	17.5		22.9		31		P
Iron	6970		8270		19		P
Lead	56.5		64.3		14		P
Magnesium	1350		1600		19		P
Manganese	167		202		21		P
Nickel	8.65		9.41	J	9		P
Potassium	516		586		14		P
Selenium	0.41	J	4.78	U	100.0		P
Silver	0.12	J	2.39	U	100.0		P
Sodium	155		478	U	100.0		P
Thallium	1.91	U	9.56	U			P
Vanadium	13.1		15.8		21		P
Zinc	63.1		73.8		17		P

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metals
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ANALYSIS RUN LOG

Client: Tetra Tech **Contract:** CORN02

Lab code: CHEM **Case no.:** P4860 **Sas no.:** P4860 **Sdg no.:** P4860

Instrument id number: **Method:** **Run number:** LB133502

Start date: 11/18/2024 **End date:** 11/18/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1231	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	1236	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	1240	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	1244	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	1249	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	1253	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	1257	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	1311	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	1315	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	1320	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	1330	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	1342	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	1352	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	1402	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	1431	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	1435	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	1535	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	1539	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	1625	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	1629	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	1701	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	1706	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	1804	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	1808	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4889-05DUP	#72-11930DUP	1	1833	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4889-05L	#72-11930L	5	1837	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4889-05MS	#72-11930MS	1	1842	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4889-05MSD	#72-11930MSD	1	1846	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4889-05A	#72-11930A	1	1850	Cu,Sb,Se
CCV07	CCV07	1	1854	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	1858	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: Tetra Tech **Contract:** CORN02

Lab code: CHEM **Case no.:** P4860 **Sas no.:** P4860 **Sdg no.:** P4860

Instrument id number: **Method:** **Run number:** LB133524

Start date: 11/19/2024 **End date:** 11/19/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1055	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	1100	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	1104	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	1108	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	1113	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	1117	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	1125	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	1134	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	1138	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	1143	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	1147	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	1151	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	1243	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	1248	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	1334	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	1338	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	1424	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	1428	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	1531	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	1536	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-01	DUP-01	1	1601	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-02	PH2-BOT-001	1	1606	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-03	PH2-BOT-002	1	1610	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-04	PH2-BOT-003	1	1614	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	1618	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	1622	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-05	PH2-BOT-004	1	1627	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-06	PH2-BOT-009	1	1631	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-07	PH2-BOT-008	1	1635	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-08	PH2-BOT-007	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-09	PH2-BOT-006	1	1644	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4860-10	PH2-BOT-005	1	1648	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	1719	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	1724	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB165047BL	PB165047BL	1	1728	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB165047BS	PB165047BS	1	1732	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	1801	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	1805	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: Tetra Tech **Contract:** CORN02

Lab code: CHEM **Case no.:** P4860 **Sas no.:** P4860 **Sdg no.:** P4860

Instrument id number: **Method:** **Run number:** LB133581

Start date: 11/22/2024 **End date:** 11/22/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1337	HG
S0.2	S0.2	1	1340	HG
S2.5	S2.5	1	1342	HG
S5	S5	1	1344	HG
S7.5	S7.5	1	1349	HG
S10	S10	1	1355	HG
ICV98	ICV98	1	1357	HG
ICB98	ICB98	1	1400	HG
CCV37	CCV37	1	1402	HG
CCB37	CCB37	1	1404	HG
CRA	CRA	1	1407	HG
PB165177BL	PB165177BL	1	1413	HG
PB165177BS	PB165177BS	1	1416	HG
P4860-01	DUP-01	1	1418	HG
P4860-01DUP	DUP-01DUP	1	1420	HG
P4860-01MS	DUP-01MS	1	1423	HG
P4860-01MSD	DUP-01MSD	1	1425	HG
P4860-02	PH2-BOT-001	1	1427	HG
CCV38	CCV38	1	1430	HG
CCB38	CCB38	1	1432	HG
P4860-03	PH2-BOT-002	1	1434	HG
P4860-04	PH2-BOT-003	1	1436	HG
P4860-05	PH2-BOT-004	1	1439	HG
P4860-06	PH2-BOT-009	1	1441	HG
P4860-07	PH2-BOT-008	1	1443	HG
P4860-08	PH2-BOT-007	1	1446	HG
P4860-09	PH2-BOT-006	1	1448	HG
P4860-10	PH2-BOT-005	1	1450	HG
CCV39	CCV39	1	1457	HG
CCB39	CCB39	1	1459	HG
CCV40	CCV40	1	1524	HG
CCB40	CCB40	1	1526	HG
P4860-01L	DUP-01L	5	1538	HG
CCV41	CCV41	1	1547	HG
CCB41	CCB41	1	1549	HG

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Case No.:** P4860 **SAS No.:** P4860

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:	P4860	**OrderDate:**	11/14/2024 1:36:41 PM
Client:	Tetra Tech	**Project:**	Ocean County Landfill 2024
Contact:	John Giuliano	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4860-01	**DUP-01**	**SOIL**			**11/14/24**			**11/14/24**
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-02	**PH2-BOT-001**	**SOIL**			**11/14/24**			**11/14/24**
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-03	**PH2-BOT-002**	**SOIL**			**11/14/24**			**11/14/24**
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-04	**PH2-BOT-003**	**SOIL**			**11/14/24**			**11/14/24**
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-05	**PH2-BOT-004**	**SOIL**			**11/14/24**			**11/14/24**
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-06	**PH2-BOT-009**	**SOIL**			**11/14/24**			**11/14/24**
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-07	**PH2-BOT-008**	**SOIL**			**11/14/24**			**11/14/24**
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-08	**PH2-BOT-007**	**SOIL**			**11/14/24**			**11/14/24**
			Mercury	7471B		11/21/24	11/22/24	
			Metals ICP-TAL	6010D		11/18/24	11/19/24	
P4860-09	**PH2-BOT-006**	**SOIL**			**11/14/24**			**11/14/24**

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LAB CHRONICLE

			Mercury	7471B		11/21/24	11/22/24
			Metals ICP-TAL	6010D		11/18/24	11/19/24
P4860-10	**PH2-BOT-005**	**SOIL**			**11/14/24**		**11/14/24**
			Mercury	7471B		11/21/24	11/22/24
			Metals ICP-TAL	6010D		11/18/24	11/19/24

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Method:**

Case No.: P4860 **SAS No.:** P4860

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB165047**						
P4860-01	DUP-01	SAM	SOLID	11/18/2024	2.35	100.0	96.80
P4860-02	PH2-BOT-001	SAM	SOLID	11/18/2024	2.41	100.0	96.80
P4860-03	PH2-BOT-002	SAM	SOLID	11/18/2024	2.40	100.0	96.60
P4860-04	PH2-BOT-003	SAM	SOLID	11/18/2024	2.28	100.0	97.80
P4860-05	PH2-BOT-004	SAM	SOLID	11/18/2024	2.19	100.0	98.10
P4860-06	PH2-BOT-009	SAM	SOLID	11/18/2024	2.24	100.0	98.30
P4860-07	PH2-BOT-008	SAM	SOLID	11/18/2024	2.35	100.0	96.80
P4860-08	PH2-BOT-007	SAM	SOLID	11/18/2024	2.33	100.0	98.00
P4860-09	PH2-BOT-006	SAM	SOLID	11/18/2024	2.33	100.0	97.50
P4860-10	PH2-BOT-005	SAM	SOLID	11/18/2024	2.25	100.0	97.60
P4889-05DUP	#72-11930DUP	DUP	SOLID	11/18/2024	2.18	100.0	93.40
P4889-05MS	#72-11930MS	MS	SOLID	11/18/2024	2.29	100.0	93.40
P4889-05MSD	#72-11930MSD	MSD	SOLID	11/18/2024	2.32	100.0	93.40
PB165047BL	PB165047BL	MB	SOLID	11/18/2024	2.23	100.0	100.00
PB165047BS	PB165047BS	LCS	SOLID	11/18/2024	2.23	100.0	100.00

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech **SDG No.:** P4860

Contract: CORN02 **Lab Code:** CHEM **Method:**

Case No.: P4860 **SAS No.:** P4860

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB165177**						
P4860-01	DUP-01	SAM	SOLID	11/21/2024	0.55	35.0	96.80
P4860-01DUP	DUP-01DUP	DUP	SOLID	11/21/2024	0.57	35.0	96.80
P4860-01MS	DUP-01MS	MS	SOLID	11/21/2024	0.53	35.0	96.80
P4860-01MSD	DUP-01MSD	MSD	SOLID	11/21/2024	0.53	35.0	96.80
P4860-02	PH2-BOT-001	SAM	SOLID	11/21/2024	0.58	35.0	96.80
P4860-03	PH2-BOT-002	SAM	SOLID	11/21/2024	0.52	35.0	96.60
P4860-04	PH2-BOT-003	SAM	SOLID	11/21/2024	0.50	35.0	97.80
P4860-05	PH2-BOT-004	SAM	SOLID	11/21/2024	0.54	35.0	98.10
P4860-06	PH2-BOT-009	SAM	SOLID	11/21/2024	0.50	35.0	98.30
P4860-07	PH2-BOT-008	SAM	SOLID	11/21/2024	0.55	35.0	96.80
P4860-08	PH2-BOT-007	SAM	SOLID	11/21/2024	0.57	35.0	98.00
P4860-09	PH2-BOT-006	SAM	SOLID	11/21/2024	0.52	35.0	97.50
P4860-10	PH2-BOT-005	SAM	SOLID	11/21/2024	0.55	35.0	97.60
PB165177BL	PB165177BL	MB	SOLID	11/21/2024	0.52	35.0	100.00
PB165177BS	PB165177BS	LCS	SOLID	11/21/2024	0.54	35.0	100.00

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133502

Review By	kareem	Review On	11/19/2024 9:23:02 AM
Supervise By	jaswal	Supervise On	11/19/2024 10:28:07 PM

STD. NAME	STD REF.#
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084
ICV Standard	MP83085
CCV Standard	MP83088
ICSA Standard	MP83086,MP83087
CRI Standard	MP83084
LCS Standard	
Chk Standard	MP83091,MP83092

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/18/24 12:31		Kareem	OK
2	S1	S1	CAL2	11/18/24 12:36		Kareem	OK
3	S2	S2	CAL3	11/18/24 12:40		Kareem	OK
4	S3	S3	CAL4	11/18/24 12:44		Kareem	OK
5	S4	S4	CAL5	11/18/24 12:49		Kareem	OK
6	S5	S5	CAL6	11/18/24 12:53		Kareem	OK
7	ICV01	ICV01	ICV	11/18/24 12:57		Kareem	OK
8	LLICV01	LLICV01	LLICV	11/18/24 13:11		Kareem	OK
9	ICB01	ICB01	ICB	11/18/24 13:15		Kareem	OK
10	CRI01	CRI01	CRDL	11/18/24 13:20		Kareem	OK
11	ICSA01	ICSA01	ICSA	11/18/24 13:30		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	11/18/24 13:42		Kareem	OK
13	CCV01	CCV01	CCV	11/18/24 13:52		Kareem	OK
14	CCB01	CCB01	CCB	11/18/24 14:02		Kareem	OK
15	P4857-01	ETGI-328	SAM	11/18/24 14:06		Kareem	OK
16	P4857-03	VNJ-226	SAM	11/18/24 14:10		Kareem	OK
17	P4859-01	NB-08-111424	SAM	11/18/24 14:14		Kareem	OK
18	P4867-02	TT-070-IDWGW-2024	SAM	11/18/24 14:18		Kareem	OK

Alliance TECHNICAL GROUP
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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133502

Review By	kareem	Review On	11/19/2024 9:23:02 AM
Supervise By	jaswal	Supervise On	11/19/2024 10:28:07 PM

STD. NAME	STD REF.#
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084
ICV Standard	MP83085
CCV Standard	MP83088
ICSA Standard	MP83086,MP83087
CRI Standard	MP83084
LCS Standard	
Chk Standard	MP83091,MP83092

19	P4867-03	TT-071-IDWGW-2024	SAM	11/18/24 14:23		Kareem	OK
20	P4867-04	TT-072-IDWGW-2024	SAM	11/18/24 14:27		Kareem	OK
21	CCV02	CCV02	CCV	11/18/24 14:31		Kareem	OK
22	CCB02	CCB02	CCB	11/18/24 14:35		Kareem	OK
23	PB165011BL	PB165011BL	MB	11/18/24 14:40	Not Use	Kareem	Not Ok
24	PB165011BS	PB165011BS	LCS	11/18/24 14:45	Not Use	Kareem	Not Ok
25	PB165003BL	PB165003BL	MB	11/18/24 14:49		Kareem	OK
26	PB165003BS	PB165003BS	LCS	11/18/24 14:53	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
27	P4848-01	TP-1	SAM	11/18/24 15:10	Cr high	Kareem	Dilution
28	P4849-01	RR-1	SAM	11/18/24 15:14		Kareem	OK
29	P4850-01	OR-03-11142024	SAM	11/18/24 15:18		Kareem	OK
30	P4851-01	OK-02-11142024	SAM	11/18/24 15:22		Kareem	OK
31	P4852-01	COMP-1	SAM	11/18/24 15:26		Kareem	OK
32	P4852-02	COMP-2	SAM	11/18/24 15:31		Kareem	OK
33	CCV03	CCV03	CCV	11/18/24 15:35		Kareem	OK
34	CCB03	CCB03	CCB	11/18/24 15:39		Kareem	OK
35	P4852-03	COMP-3	SAM	11/18/24 15:43		Kareem	OK
36	P4859-01DUP	NB-08-111424DUP	DUP	11/18/24 15:48		Kareem	OK
37	P4859-01L	NB-08-111424L	SD	11/18/24 15:52		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133502

Review By	kareem	Review On	11/19/2024 9:23:02 AM
Supervise By	jaswal	Supervise On	11/19/2024 10:28:07 PM

STD. NAME	STD REF.#
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084
ICV Standard	MP83085
CCV Standard	MP83088
ICSA Standard	MP83086,MP83087
CRI Standard	MP83084
LCS Standard	
Chk Standard	MP83091,MP83092

38	P4859-01MS	NB-08-111424MS	MS	11/18/24 15:56	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
39	P4859-01MSD	NB-08-111424MSD	MSD	11/18/24 16:00	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
40	P4859-01A	NB-08-111424A	PS	11/18/24 16:04	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
41	P4868-01	RW5-SP100-2024111	SAM	11/18/24 16:08		Kareem	OK
42	P4868-03	RW5-SP303-2024111	SAM	11/18/24 16:12		Kareem	OK
43	P4868-03DUP	RW5-SP303-2024111	DUP	11/18/24 16:16		Kareem	OK
44	P4868-03MSD	RW5-SP303-2024111	MSD	11/18/24 16:21	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
45	CCV04	CCV04	CCV	11/18/24 16:25		Kareem	OK
46	CCB04	CCB04	CCB	11/18/24 16:29		Kareem	OK
47	P4848-01DL	TP-1DL	SAM	11/18/24 16:33	10x for Cr	Kareem	Confirms
48	P4868-03A	RW5-SP303-2024111	PS	11/18/24 16:37	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
49	P4868-03L	RW5-SP303-2024111	SD	11/18/24 16:41		Kareem	OK
50	P4868-03MS	RW5-SP303-2024111	MS	11/18/24 16:46	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
51	LR1	LR1	HIGH STD	11/18/24 16:51		Kareem	OK
52	LR2	LR2	HIGH STD	11/18/24 16:56		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133502

Review By	kareem	Review On	11/19/2024 9:23:02 AM
Supervise By	jaswal	Supervise On	11/19/2024 10:28:07 PM

STD. NAME	STD REF.#
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084
ICV Standard	MP83085
CCV Standard	MP83088
ICSA Standard	MP83086,MP83087
CRI Standard	MP83084
LCS Standard	
Chk Standard	MP83091,MP83092

53	CCV05	CCV05	CCV	11/18/24 17:01		Kareem	OK
54	CCB05	CCB05	CCB	11/18/24 17:06		Kareem	OK
55	P4861-01	WC-11-A-202411	SAM	11/18/24 17:27		Kareem	OK
56	P4861-01DUP	WC-11-A-202411DUP	DUP	11/18/24 17:31		Kareem	OK
57	P4861-01L	WC-11-A-202411L	SD	11/18/24 17:35		Kareem	OK
58	P4861-01MS	WC-11-A-202411MS	MS	11/18/24 17:40	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
59	P4861-01MSD	WC-11-A-202411MSD	MSD	11/18/24 17:44	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
60	P4861-01A	WC-11-A-202411A	PS	11/18/24 17:48	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
61	P4871-01	WC-10-A-202411	SAM	11/18/24 17:51		Kareem	OK
62	P4848-02	TP-1	SAM	11/18/24 17:56		Kareem	OK
63	P4869-01	EO-02-11152024	SAM	11/18/24 18:00		Kareem	OK
64	CCV06	CCV06	CCV	11/18/24 18:04		Kareem	OK
65	CCB06	CCB06	CCB	11/18/24 18:08		Kareem	OK
66	P4887-01	MH-739	SAM	11/18/24 18:13		Kareem	OK
67	P4887-05	MH-760	SAM	11/18/24 18:17		Kareem	OK
68	P4889-01	VNJ-228	SAM	11/18/24 18:21		Kareem	OK
69	P4889-03	#72-11978	SAM	11/18/24 18:25		Kareem	OK

Alliance TECHNICAL GROUP
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 # LB133502

Review By	kareem	Review On	11/19/2024 9:23:02 AM
Supervise By	jaswal	Supervise On	11/19/2024 10:28:07 PM

STD. NAME	STD REF.#
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084
ICV Standard	MP83085
CCV Standard	MP83088
ICSA Standard	MP83086,MP83087
CRI Standard	MP83084
LCS Standard	
Chk Standard	MP83091,MP83092

70	P4889-05	#72-11930	SAM	11/18/24 18:29		Kareem	OK
71	P4889-05DUP	#72-11930DUP	DUP	11/18/24 18:33		Kareem	OK
72	P4889-05L	#72-11930L	SD	11/18/24 18:37		Kareem	OK
73	P4889-05MS	#72-11930MS	MS	11/18/24 18:42	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
74	P4889-05MSD	#72-11930MSD	MSD	11/18/24 18:46	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
75	P4889-05A	#72-11930A	PS	11/18/24 18:50	0.1ml of m6010 and m6001 were added to 10ml of the sample	Kareem	OK
76	CCV07	CCV07	CCV	11/18/24 18:54		Kareem	OK
77	CCB07	CCB07	CCB	11/18/24 18:58		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133524

Review By	kareem	Review On	11/20/2024 11:25:14 AM
Supervise By	Jaswal	Supervise On	11/20/2024 11:38:44 AM

STD. NAME	STD REF.#
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084
ICV Standard	MP83085
CCV Standard	MP83088
ICSA Standard	MP83086,MP83087
CRI Standard	MP83084
LCS Standard	
Chk Standard	MP83091,MP83092

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/19/24 10:55		Kareem	OK
2	S1	S1	CAL2	11/19/24 11:00		Kareem	OK
3	S2	S2	CAL3	11/19/24 11:04		Kareem	OK
4	S3	S3	CAL4	11/19/24 11:08		Kareem	OK
5	S4	S4	CAL5	11/19/24 11:13		Kareem	OK
6	S5	S5	CAL6	11/19/24 11:17		Kareem	OK
7	ICV01	ICV01	ICV	11/19/24 11:25		Kareem	OK
8	LLICV01	LLICV01	LLICV	11/19/24 11:34		Kareem	OK
9	ICB01	ICB01	ICB	11/19/24 11:38		Kareem	OK
10	CRI01	CRI01	CRDL	11/19/24 11:43		Kareem	OK
11	ICSA01	ICSA01	ICSA	11/19/24 11:47		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	11/19/24 11:51		Kareem	OK
13	CCV01	CCV01	CCV	11/19/24 12:43		Kareem	OK
14	CCB01	CCB01	CCB	11/19/24 12:48		Kareem	OK
15	PB165067BL	PB165067BL	MB	11/19/24 12:52		Kareem	OK
16	PB165067BS	PB165067BS	LCS	11/19/24 12:56	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
17	PB164759BL	PB164759BL	MB	11/19/24 13:00		Kareem	OK

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Review By	kareem	Review On	11/20/2024 11:25:14 AM
Supervise By	Jaswal	Supervise On	11/20/2024 11:38:44 AM

STD. NAME	STD REF.#
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084
ICV Standard	MP83085
CCV Standard	MP83088
ICSA Standard	MP83086,MP83087
CRI Standard	MP83084
LCS Standard	
Chk Standard	MP83091,MP83092

18	PB164759BS	PB164759BS	LCS	11/19/24 13:05	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
19	PB164645BL	PB164645BL	MB	11/19/24 13:09		Kareem	OK
20	PB164645BS	PB164645BS	LCS	11/19/24 13:13	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
21	PB164944TB	PB164944TB	MB	11/19/24 13:17		Kareem	OK
22	P4892-01	WB-310-TOP	SAM	11/19/24 13:22	Cr high	Kareem	Dilution
23	P4892-02	WB-310-BOT	SAM	11/19/24 13:26		Kareem	OK
24	P4893-01	MH-763	SAM	11/19/24 13:30		Kareem	OK
25	CCV02	CCV02	CCV	11/19/24 13:34		Kareem	OK
26	CCB02	CCB02	CCB	11/19/24 13:38		Kareem	OK
27	P4893-05	MH-762	SAM	11/19/24 13:42		Kareem	OK
28	P4908-01	SP-1	SAM	11/19/24 13:46		Kareem	OK
29	P4908-03	SP-2	SAM	11/19/24 13:51		Kareem	OK
30	P4909-01	BU-02-111824	SAM	11/19/24 13:55		Kareem	OK
31	P4909-01DUP	BU-02-111824DUP	DUP	11/19/24 13:59		Kareem	OK
32	P4909-01L	BU-02-111824L	SD	11/19/24 14:03		Kareem	OK
33	P4909-01MS	BU-02-111824MS	MS	11/19/24 14:08	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
34	P4909-01MSD	BU-02-111824MSD	MSD	11/19/24 14:12	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK

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Instrument ID: P4

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Review By	kareem	Review On	11/20/2024 11:25:14 AM
Supervise By	Jaswal	Supervise On	11/20/2024 11:38:44 AM

STD. NAME	STD REF.#
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084
ICV Standard	MP83085
CCV Standard	MP83088
ICSA Standard	MP83086,MP83087
CRI Standard	MP83084
LCS Standard	
Chk Standard	MP83091,MP83092

35	P4909-01A	BU-02-111824A	PS	11/19/24 14:16	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
36	P4890-01	#3711	SAM	11/19/24 14:20		Kareem	OK
37	CCV03	CCV03	CCV	11/19/24 14:24		Kareem	OK
38	CCB03	CCB03	CCB	11/19/24 14:28		Kareem	OK
39	P4890-02	D3617	SAM	11/19/24 14:37		Kareem	OK
40	P4890-03	D3690	SAM	11/19/24 14:41		Kareem	OK
41	P4849-02	RR-1	SAM	11/19/24 14:56		Kareem	OK
42	PB165019TB	PB165019TB	MB	11/19/24 15:00		Kareem	OK
43	P4870-13	TP-1	SAM	11/19/24 15:05		Kareem	OK
44	P4870-14	MH-735	SAM	11/19/24 15:09		Kareem	OK
45	P4870-15	MH-736	SAM	11/19/24 15:13		Kareem	OK
46	P4870-16	TP-15	SAM	11/19/24 15:18		Kareem	OK
47	P4887-02	MH-739	SAM	11/19/24 15:22		Kareem	OK
48	P4887-06	MH-760	SAM	11/19/24 15:27		Kareem	OK
49	CCV04	CCV04	CCV	11/19/24 15:31		Kareem	OK
50	CCB04	CCB04	CCB	11/19/24 15:36		Kareem	OK
51	PB164986TB	PB164986TB	MB	11/19/24 15:40	fail for Cr	Kareem	Not Ok
52	PB165049BL	PB165049BL	MB	11/19/24 15:44		Kareem	OK

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Instrument ID: P4

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Review By	kareem	Review On	11/20/2024 11:25:14 AM
Supervise By	Jaswal	Supervise On	11/20/2024 11:38:44 AM

STD. NAME	STD REF.#
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084
ICV Standard	MP83085
CCV Standard	MP83088
ICSA Standard	MP83086,MP83087
CRI Standard	MP83084
LCS Standard	
Chk Standard	MP83091,MP83092

53	PB165049BS	PB165049BS	LCS	11/19/24 15:49	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
54	P4892-01DL	WB-310-TOPDL	SAM	11/19/24 15:53	5x for Cr	Kareem	Confirms
55	P4341-02	10324-0	SAM	11/19/24 15:57		Kareem	OK
56	P4860-01	DUP-01	SAM	11/19/24 16:01		Kareem	OK
57	P4860-02	PH2-BOT-001	SAM	11/19/24 16:06		Kareem	OK
58	P4860-03	PH2-BOT-002	SAM	11/19/24 16:10		Kareem	OK
59	P4860-04	PH2-BOT-003	SAM	11/19/24 16:14		Kareem	OK
60	CCV05	CCV05	CCV	11/19/24 16:18		Kareem	OK
61	CCB05	CCB05	CCB	11/19/24 16:22		Kareem	OK
62	P4860-05	PH2-BOT-004	SAM	11/19/24 16:27		Kareem	OK
63	P4860-06	PH2-BOT-009	SAM	11/19/24 16:31		Kareem	OK
64	P4860-07	PH2-BOT-008	SAM	11/19/24 16:35		Kareem	OK
65	P4860-08	PH2-BOT-007	SAM	11/19/24 16:39		Kareem	OK
66	P4860-09	PH2-BOT-006	SAM	11/19/24 16:44		Kareem	OK
67	P4860-10	PH2-BOT-005	SAM	11/19/24 16:48		Kareem	OK
68	P4870-01	TP-1	SAM	11/19/24 16:52		Kareem	OK
69	P4870-04	MH-735	SAM	11/19/24 16:57		Kareem	OK
70	P4870-07	MH-736	SAM	11/19/24 17:01		Kareem	OK
71	P4870-10	TP-15	SAM	11/19/24 17:05		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133524

Review By	kareem	Review On	11/20/2024 11:25:14 AM
Supervise By	Jaswal	Supervise On	11/20/2024 11:38:44 AM

STD. NAME	STD REF.#
ICAL Standard	MP83078,MP83079,MP73080,MP83081,MP83082,MP83084
ICV Standard	MP83085
CCV Standard	MP83088
ICSA Standard	MP83086,MP83087
CRI Standard	MP83084
LCS Standard	
Chk Standard	MP83091,MP83092

72	CCV06	CCV06	CCV	11/19/24 17:19		Kareem	OK
73	CCB06	CCB06	CCB	11/19/24 17:24		Kareem	OK
74	PB165047BL	PB165047BL	MB	11/19/24 17:28		Kareem	OK
75	PB165047BS	PB165047BS	LCS	11/19/24 17:32		Kareem	OK
76	LR1	LR1	HIGH STD	11/19/24 17:51		Kareem	OK
77	LR2	LR2	HIGH STD	11/19/24 17:56		Kareem	OK
78	CCV07	CCV07	CCV	11/19/24 18:01		Kareem	OK
79	CCB07	CCB07	CCB	11/19/24 18:05		Kareem	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133581

Review By	jaswal	Review On	11/22/2024 9:51:42 PM
Supervise By	mohan	Supervise On	11/22/2024 9:53:32 PM

STD. NAME	STD REF.#
ICAL Standard	MP83330,MP83331,MP83332,MP83333,MP83334,MP83335
ICV Standard	MP83336
CCV Standard	MP83338
ICSA Standard	
CRI Standard	MP83340
LCS Standard	
Chk Standard	MP83337,MP83339,MP83341,MP83345

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/22/24 13:37		Mohan	OK
2	S0.2	S0.2	CAL2	11/22/24 13:40		Mohan	OK
3	S2.5	S2.5	CAL3	11/22/24 13:42		Mohan	OK
4	S5	S5	CAL4	11/22/24 13:44		Mohan	OK
5	S7.5	S7.5	CAL5	11/22/24 13:49		Mohan	OK
6	S10	S10	CAL6	11/22/24 13:55		Mohan	OK
7	ICV98	ICV98	ICV	11/22/24 13:57		Mohan	OK
8	ICB98	ICB98	ICB	11/22/24 14:00		Mohan	OK
9	CCV37	CCV37	CCV	11/22/24 14:02		Mohan	OK
10	CCB37	CCB37	CCB	11/22/24 14:04		Mohan	OK
11	CRA	CRA	CRDL	11/22/24 14:07		Mohan	OK
12	HighStd	HighStd	HIGH STD	11/22/24 14:09		Mohan	OK
13	ChkStd	ChkStd	SAM	11/22/24 14:11		Mohan	OK
14	PB165177BL	PB165177BL	MB	11/22/24 14:13		Mohan	OK
15	PB165177BS	PB165177BS	LCS	11/22/24 14:16		Mohan	OK
16	P4860-01	DUP-01	SAM	11/22/24 14:18		Mohan	OK
17	P4860-01DUP	DUP-01DUP	DUP	11/22/24 14:20		Mohan	OK
18	P4860-01MS	DUP-01MS	MS	11/22/24 14:23		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133581

Review By	jaswal	Review On	11/22/2024 9:51:42 PM
Supervise By	mohan	Supervise On	11/22/2024 9:53:32 PM

STD. NAME	STD REF.#
ICAL Standard	MP83330,MP83331,MP83332,MP83333,MP83334,MP83335
ICV Standard	MP83336
CCV Standard	MP83338
ICSA Standard	
CRI Standard	MP83340
LCS Standard	
Chk Standard	MP83337,MP83339,MP83341,MP83345

19	P4860-01MSD	DUP-01MSD	MSD	11/22/24 14:25		Mohan	OK
20	P4860-02	PH2-BOT-001	SAM	11/22/24 14:27		Mohan	OK
21	CCV38	CCV38	CCV	11/22/24 14:30		Mohan	OK
22	CCB38	CCB38	CCB	11/22/24 14:32		Mohan	OK
23	P4860-03	PH2-BOT-002	SAM	11/22/24 14:34		Mohan	OK
24	P4860-04	PH2-BOT-003	SAM	11/22/24 14:36		Mohan	OK
25	P4860-05	PH2-BOT-004	SAM	11/22/24 14:39		Mohan	OK
26	P4860-06	PH2-BOT-009	SAM	11/22/24 14:41		Mohan	OK
27	P4860-07	PH2-BOT-008	SAM	11/22/24 14:43		Mohan	OK
28	P4860-08	PH2-BOT-007	SAM	11/22/24 14:46		Mohan	OK
29	P4860-09	PH2-BOT-006	SAM	11/22/24 14:48		Mohan	OK
30	P4860-10	PH2-BOT-005	SAM	11/22/24 14:50		Mohan	OK
31	PB165178BL	PB165178BL	MB	11/22/24 14:52		Mohan	OK
32	PB165178BS	PB165178BS	LCS	11/22/24 14:55		Mohan	OK
33	CCV39	CCV39	CCV	11/22/24 14:57		Mohan	OK
34	CCB39	CCB39	CCB	11/22/24 14:59		Mohan	OK
35	P4916-01	TP-1-WC	SAM	11/22/24 15:02		Mohan	OK
36	P4916-05	TP-2-WC	SAM	11/22/24 15:04		Mohan	OK
37	P4916-09	TP-3-WC	SAM	11/22/24 15:06		Mohan	OK
38	P4923-06	72-11991	SAM	11/22/24 15:08		Mohan	OK

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Instrument ID: CV1

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Review By	jaswal	Review On	11/22/2024 9:51:42 PM
Supervise By	mohan	Supervise On	11/22/2024 9:53:32 PM

STD. NAME	STD REF.#
ICAL Standard	MP83330,MP83331,MP83332,MP83333,MP83334,MP83335
ICV Standard	MP83336
CCV Standard	MP83338
ICSA Standard	
CRI Standard	MP83340
LCS Standard	
Chk Standard	MP83337,MP83339,MP83341,MP83345

39	P4924-01	MH-4	SAM	11/22/24 15:11		Mohan	OK
40	P4925-01	MH-741	SAM	11/22/24 15:13		Mohan	OK
41	P4925-05	MH-758	SAM	11/22/24 15:15		Mohan	OK
42	P4929-01	ARS520	SAM	11/22/24 15:17		Mohan	OK
43	P4936-01	PL-01-11202024	SAM	11/22/24 15:20		Mohan	OK
44	P4938-01	MH-732	SAM	11/22/24 15:22		Mohan	OK
45	CCV40	CCV40	CCV	11/22/24 15:24		Mohan	OK
46	CCB40	CCB40	CCB	11/22/24 15:26		Mohan	OK
47	P4938-05	MH-734	SAM	11/22/24 15:29		Mohan	OK
48	P4938-05DUP	MH-734DUP	DUP	11/22/24 15:31		Mohan	OK
49	P4938-05MS	MH-734MS	MS	11/22/24 15:33		Mohan	OK
50	P4938-05MSD	MH-734MSD	MSD	11/22/24 15:36		Mohan	OK
51	P4860-01L	DUP-01L	SD	11/22/24 15:38		Mohan	OK
52	P4860-01A	DUP-01A	PS	11/22/24 15:40		Mohan	OK
53	P4938-05L	MH-734L	SD	11/22/24 15:43		Mohan	OK
54	P4938-05A	MH-734A	PS	11/22/24 15:45		Mohan	OK
55	CCV41	CCV41	CCV	11/22/24 15:47		Mohan	OK
56	CCB41	CCB41	CCB	11/22/24 15:49		Mohan	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB165047

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOLID

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 11/18/2024 **Time :** 09:30 **Temp :** 96 °C

End Digest Date: 11/18/2024 **Time :** 11:45 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: jgp

Supervisor Signature: SJ

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	MP83122
Conc. HNO3	5.00	M6120
30% H2O2	3.00	M5634
Conc. HCL	10.00	M6118
PTFE Boiling Stones	N/A	M5585
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#2 CELL #33: 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/18/24 12:00	jgp / Met dig	SJ (Metals lab)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB165047

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4860-01	DUP-01	N/A	2.35	100	Light brown	Light Green	Medium	N/A	N/A	1
P4860-02	PH2-BPT-001	N/A	2.41	100	Light brown	Light Green	Medium	N/A	N/A	2
P4860-03	PH2-BPT-002	N/A	2.40	100	LightBrown	Light Green	Medium	N/A	N/A	3
P4860-04	PH2-BPT-003	N/A	2.28	100	LightBrown	Light Green	Medium	N/A	N/A	4
P4860-05	PH2-BPT-004	N/A	2.19	100	LightBrown	Light Green	Medium	N/A	N/A	5
P4860-06	PH2-BPT-009	N/A	2.24	100	LightBrown	Light Green	Medium	N/A	N/A	6
P4860-07	PH2-BPT-008	N/A	2.35	100	Light Brown	Light Green	Medium	N/A	N/A	7
P4860-08	PH2-BPT-007	N/A	2.33	100	Light Brown	Light Green	Medium	N/A	N/A	8
P4860-09	PH2-BPT-006	N/A	2.33	100	Light Brown	Light Green	Medium	N/A	N/A	9
P4860-10	PH2-BPT-005	N/A	2.25	100	Light Brown	Light Green	Medium	N/A	N/A	10
P4869-01	EO-02-11152024	N/A	2.35	100	Brown	Yellow	Medium	N/A	N/A	11
P4870-01	TP-1	N/A	2.36	100	Brown	Yellow	Medium	N/A	N/A	12
P4870-04	MH-735	N/A	2.27	100	Brown	Yellow	Medium	N/A	N/A	13
P4870-07	MH-736	N/A	2.39	100	Brown	Yellow	Medium	N/A	N/A	14
P4870-10	TP-15	N/A	2.32	100	Brown	Yellow	Medium	N/A	N/A	15
P4887-01	MH-739	N/A	2.23	100	Brown	Yellow	Medium	N/A	N/A	16
P4887-05	MH-760	N/A	2.37	100	Brown	Yellow	Medium	N/A	N/A	17
P4889-01	VNJ-228	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	18
P4889-03	#72-11978	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	19
P4889-05	#72-11930	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	20
P4889-05MS	#72-11930MS	N/A	2.29	100	Brown	Yellow	Medium	N/A	M6000,M6009	22
P4889-05MSD	#72-11930MSD	N/A	2.32	100	Brown	Yellow	Medium	N/A	M6000,M6009	23
P4889-05DUP	#72-11930DUP	N/A	2.18	100	Brown	Yellow	Medium	N/A	N/A	21
PB165047BL	PBS047	N/A	2.23	100	colorless	colorless	Fine	N/A	N/A	24
PB165047BS	LCS047	N/A	2.23	100	colorless	colorless	Fine	N/A	M6000,M6009	25

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB165177

10

A B C D E F G H I J

SOP ID : M7471B-Mercury-18

SDG No : NA

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: 11/21/2024 **Time :** 14:40 **Temp :** 95 °C

End Digest Date: 11/21/2024 **Time :** 15:10 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP83336
CCV	30mL	MP83338
CRA	30mL	MP83340
Blank Spike	0.48mL	MP83329
Matrix Spike	N/A	MP83329

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP83342
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	MP83330
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP83331
2.5 ppb	S2.5	30mL	MP83332
5.0 ppb	S5.0	30mL	MP83333
7.5 ppb	S7.5	30mL	MP83334
10.0 ppb	S10.0	30mL	MP83335
ICV	ICV	30mL	MP83336
ICB	ICB	30mL	MP83337
CCV	CCV	30mL	MP83338
CCB	CCB	30mL	MP83339
CRI	CRI	30mL	MP83340
CHK STD	CHK STD	30mL	MP83341

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/21/24 @ 15:30	MB - DIG. LAB	MB - MAIN LAB
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB165177

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
P4860-01	DUP-01	0.55	35	NA	N/A	3-1
P4860-01DUP	DUP-01DUP	0.57	35	NA	N/A	2
P4860-01MS	DUP-01MS	0.53	35	NA	MP83329	3
P4860-01MSD	DUP-01MSD	0.53	35	NA	MP83329	4
P4860-02	PH2-BOT-001	0.58	35	NA	N/A	5
P4860-03	PH2-BOT-002	0.52	35	NA	N/A	6
P4860-04	PH2-BOT-003	0.50	35	NA	N/A	7
P4860-05	PH2-BOT-004	0.54	35	NA	N/A	8
P4860-06	PH2-BOT-009	0.50	35	NA	N/A	9
P4860-07	PH2-BOT-008	0.55	35	NA	N/A	10
P4860-08	PH2-BOT-007	0.57	35	NA	N/A	11
P4860-09	PH2-BOT-006	0.52	35	NA	N/A	12
P4860-10	PH2-BOT-005	0.55	35	NA	N/A	13
PB165177BL	PBS177	0.52	35	NA	N/A	14
PB165177BS	LCS177	0.54	35	NA	MP83329	15

SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24 00:00
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
		% Solid:	96.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.15	J	1	0.045	0.26	mg/Kg	11/15/24 12:20	11/15/24 16:48	9012B
Hexavalent Chromium	0.080	U	1	0.080	0.41	mg/Kg	11/18/24 09:20	11/18/24 15:44	7196A
pH	8.30	H	1	0	0	pH		11/15/24 17:33	9045D

Comments: pH result reported at temperature 23.3 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24 08:20
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
		% Solid:	96.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.61		1	0.045	0.25	mg/Kg	11/15/24 12:20	11/15/24 16:48	9012B
Hexavalent Chromium	0.081	U	1	0.081	0.41	mg/Kg	11/18/24 09:20	11/18/24 15:49	7196A
pH	6.72	H	1	0	0	pH		11/15/24 17:37	9045D

Comments: pH result reported at temperature 23.4 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24 08:45
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
		% Solid:	96.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.38		1	0.044	0.25	mg/Kg	11/15/24 12:20	11/15/24 16:48	9012B
Hexavalent Chromium	0.080	U	1	0.080	0.41	mg/Kg	11/18/24 09:20	11/18/24 15:50	7196A
pH	7.03	H	1	0	0	pH		11/15/24 17:40	9045D

Comments: pH result reported at temperature 23.0 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24 09:05
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
		% Solid:	97.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.15	J	1	0.043	0.25	mg/Kg	11/15/24 12:20	11/15/24 16:48	9012B
Hexavalent Chromium	0.28	J	1	0.080	0.41	mg/Kg	11/18/24 09:20	11/18/24 15:51	7196A
pH	6.95	H	1	0	0	pH		11/15/24 17:44	9045D

Comments: pH result reported at temperature 23.0 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24 09:25
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
		% Solid:	98.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.057	J	1	0.043	0.24	mg/Kg	11/15/24 12:20	11/15/24 16:48	9012B
Hexavalent Chromium	0.080	U	1	0.080	0.41	mg/Kg	11/18/24 09:20	11/18/24 15:54	7196A
pH	6.91	H	1	0	0	pH		11/15/24 17:47	9045D

Comments: pH result reported at temperature 22.7 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24 09:45
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
		% Solid:	98.3

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.066	J	1	0.044	0.25	mg/Kg	11/15/24 12:20	11/15/24 16:56	9012B
Hexavalent Chromium	0.079	U	1	0.079	0.40	mg/Kg	11/18/24 09:20	11/18/24 15:55	7196A
pH	6.88	H	1	0	0	pH		11/15/24 17:50	9045D

Comments: pH result reported at temperature 22.1 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24 10:00
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
		% Solid:	96.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.18	J	1	0.044	0.25	mg/Kg	11/15/24 12:20	11/15/24 16:56	9012B
Hexavalent Chromium	0.081	U	1	0.081	0.41	mg/Kg	11/18/24 09:20	11/18/24 15:56	7196A
pH	7.29	H	1	0	0	pH		11/15/24 17:55	9045D

Comments: pH result reported at temperature 23.1 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24 10:15
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
		% Solid:	98

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.11	J	1	0.044	0.25	mg/Kg	11/15/24 12:20	11/15/24 16:56	9012B
Hexavalent Chromium	0.079	U	1	0.079	0.40	mg/Kg	11/18/24 09:20	11/18/24 15:57	7196A
pH	7.33	H	1	0	0	pH		11/15/24 18:00	9045D

Comments: pH result reported at temperature 23.0 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24 10:30
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
		% Solid:	97.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.080	J	1	0.043	0.24	mg/Kg	11/15/24 12:20	11/15/24 16:56	9012B
Hexavalent Chromium	0.29	J	1	0.081	0.41	mg/Kg	11/18/24 09:20	11/18/24 15:58	7196A
pH	6.73	H	1	0	0	pH		11/15/24 18:10	9045D

Comments: pH result reported at temperature 22.7 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24 10:45
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
		% Solid:	97.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.044	U	1	0.044	0.25	mg/Kg	11/15/24 12:20	11/15/24 16:56	9012B
Hexavalent Chromium	0.080	U	1	0.080	0.40	mg/Kg	11/18/24 09:20	11/18/24 15:59	7196A
pH	8.41	H	1	0	0	pH		11/15/24 18:25	9045D

Comments: pH result reported at temperature 23.2 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Initial and Continuing Calibration Verification

Client: Tetra Tech **SDG No.:** P4860

Project: Ocean County Landfill 2024 **RunNo.:** LB133478

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	7.01	7	100	90-110	11/15/2024
Sample ID:	CCV1						
pH		pH	2.01	2.00	101	90-110	11/15/2024
Sample ID:	CCV2						
pH		pH	12.02	12.00	100	90-110	11/15/2024
Sample ID:	CCV3						
pH		pH	2.01	2.00	101	90-110	11/15/2024

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Initial and Continuing Calibration Verification

Client:	Tetra Tech	**SDG No.:**	P4860
Project:	Ocean County Landfill 2024	**RunNo.:**	LB133487

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.097	0.099	98	90-110	11/15/2024
Sample ID:	**CCV1**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/15/2024
Sample ID:	**CCV2**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/15/2024
Sample ID:	**CCV3**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/15/2024
Sample ID:	**CCV4**						
Cyanide		mg/L	0.25	0.25	100	90-110	11/15/2024

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Initial and Continuing Calibration Verification

Client:	Tetra Tech	**SDG No.:**	P4860
Project:	Ocean County Landfill 2024	**RunNo.:**	LB133497

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	11/18/2024
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	11/18/2024
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	11/18/2024
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	11/18/2024
Sample ID: CCV4						
Hexavalent Chromium	mg/L	0.498	0.5	100	90-110	11/18/2024

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Initial and Continuing Calibration Blank Summary

Client: Tetra Tech **SDG No.:** P4860

Project: Ocean County Landfill 2024 **RunNo.:** LB133487

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/15/2024
Sample ID:	CCB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/15/2024
Sample ID:	CCB2							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/15/2024
Sample ID:	CCB3							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/15/2024
Sample ID:	CCB4							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00099	0.005	11/15/2024

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Initial and Continuing Calibration Blank Summary

Client:	Tetra Tech	**SDG No.:**	P4860
Project:	Ocean County Landfill 2024	**RunNo.:**	LB133497

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	11/18/2024
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/18/2024
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/18/2024
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/18/2024
Sample ID: CCB4							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/18/2024

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Preparation Blank Summary

Client: Tetra Tech **SDG No.:** P4860

Project: Ocean County Landfill 2024

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB165016BL							
Cyanide	mg/Kg	< 0.1250	0.1250	U	0.044	0.25	11/15/2024
Sample ID: PB165024BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	11/18/2024

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Matrix Spike Summary

Client: Tetra Tech
Project: Ocean County Landfill 2024
Client ID: SOIL-1MS

SDG No.: P4860
Sample ID: P4822-02
Percent Solids for Spike Sample: 92.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.60		0.15	J	2.1	1	117		11/15/2024

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Matrix Spike Summary

Client: Tetra Tech
Project: Ocean County Landfill 2024
Client ID: SOIL-1MSD
SDG No.: P4860
Sample ID: P4822-02
Percent Solids for Spike Sample: 92.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.60		0.15	J	2.1	1	117		11/15/2024

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Matrix Spike Summary

Client: Tetra Tech
Project: Ocean County Landfill 2024
Client ID: DUP-01MS
SDG No.: P4860
Sample ID: P4860-01
Percent Solids for Spike Sample: 96.8

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	1290		0.080	U	1330	40	97		11/18/2024

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Matrix Spike Summary

Client: Tetra Tech
Project: Ocean County Landfill 2024
Client ID: DUP-01MS
SDG No.: P4860
Sample ID: P4860-01
Percent Solids for Spike Sample: 96.8

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	40.2		0.080	U	41.3	2	97		11/18/2024

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Matrix Spike Summary

Client: Tetra Tech
Project: Ocean County Landfill 2024
Client ID: DUP-01MS
SDG No.: P4860
Sample ID: P4860-01
Percent Solids for Spike Sample: 96.8

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	33.8		0.080	U	41.3	2	82		11/18/2024

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Duplicate Sample Summary

Client: Tetra Tech
Project: Ocean County Landfill 2024
Client ID: SOIL-1DUP
SDG No.: P4860
Sample ID: P4822-02
Percent Solids for Spike Sample: 92.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.15	J	0.14	J	1	7		11/15/2024

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Duplicate Sample Summary

Client: Tetra Tech
Project: Ocean County Landfill 2024
Client ID: SOIL-1MSD
SDG No.: P4860
Sample ID: P4822-02
Percent Solids for Spike Sample: 92.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.60		2.60		1	0		11/15/2024

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Duplicate Sample Summary

Client: Tetra Tech
Project: Ocean County Landfill 2024
Client ID: DUP-01DUP
SDG No.: P4860
Sample ID: P4860-01
Percent Solids for Spike Sample: 96.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.080	U	0.080	U	1	0		11/18/2024

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Duplicate Sample Summary

Client: Tetra Tech
Project: Ocean County Landfill 2024
Client ID: DUP-01DUP
SDG No.: P4860
Sample ID: P4860-01
Percent Solids for Spike Sample: 96.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	8.30		8.31		1	0.12		11/15/2024

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Laboratory Control Sample Summary

Client:	Tetra Tech	**SDG No.:**	P4860
Project:	Ocean County Landfill 2024	**Run No.:**	LB133487

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB165016BS								
Cyanide	mg/Kg	5	4.80		96	1	85-115	11/15/2024

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Laboratory Control Sample Summary

Client:	Tetra Tech	**SDG No.:**	P4860
Project:	Ocean County Landfill 2024	**Run No.:**	LB133497

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB165024BS								
Hexavalent Chromium	**mg/Kg**	**20**	**20.1**		**101**	**1**	**84-110**	**11/18/2024**

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133478

Review By	jignesh	Review On	11/16/2024 8:43:34 AM
Supervise By	Iwona	Supervise On	11/18/2024 10:20:41 AM
SubDirectory	LB133478	Test	pH

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3107,W3093,W3094,W3071,W3005,W3072

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	11/15/24 17:20		Jignesh	OK
2	CAL2	CAL2	CAL	11/15/24 17:21		Jignesh	OK
3	CAL3	CAL3	CAL	11/15/24 17:22		Jignesh	OK
4	ICV	ICV	ICV	11/15/24 17:25		Jignesh	OK
5	CCV1	CCV1	CCV	11/15/24 17:30		Jignesh	OK
6	P4860-01	DUP-01	SAM	11/15/24 17:33		Jignesh	OK
7	P4860-01DUP	DUP-01DUP	DUP	11/15/24 17:34		Jignesh	OK
8	P4860-02	PH2-BOT-001	SAM	11/15/24 17:37		Jignesh	OK
9	P4860-03	PH2-BOT-002	SAM	11/15/24 17:40		Jignesh	OK
10	P4860-04	PH2-BOT-003	SAM	11/15/24 17:44		Jignesh	OK
11	P4860-05	PH2-BOT-004	SAM	11/15/24 17:47		Jignesh	OK
12	P4860-06	PH2-BOT-009	SAM	11/15/24 17:50		Jignesh	OK
13	P4860-07	PH2-BOT-008	SAM	11/15/24 17:55		Jignesh	OK
14	P4860-08	PH2-BOT-007	SAM	11/15/24 18:00		Jignesh	OK
15	P4860-09	PH2-BOT-006	SAM	11/15/24 18:10		Jignesh	OK
16	CCV2	CCV2	CCV	11/15/24 18:15		Jignesh	OK
17	P4860-10	PH2-BOT-005	SAM	11/15/24 18:25		Jignesh	OK
18	CCV3	CCV3	CCV	11/15/24 18:26		Jignesh	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB133487

Review By	Niha	Review On	11/19/2024 4:10:49 PM
Supervise By	Iwona	Supervise On	11/19/2024 4:31:25 PM
SubDirectory	LB133487	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP110724,WP110725,WP110726,WP110727,WP110728,WP110729,WP110730
ICV Standard	W3011
CCV Standard	WP110725
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP109549
Chk Standard	WP109068,WP110103,WP110731

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/15/24 10:43		Niha	OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/15/24 10:43		Niha	OK
3	10PPBCN	10PPBCN	CAL3	11/15/24 10:43		Niha	OK
4	50PPBCN	50PPBCN	CAL4	11/15/24 10:43		Niha	OK
5	100PPBCN	100PPBCN	CAL5	11/15/24 10:43		Niha	OK
6	250PPBCN	250PPBCN	CAL6	11/15/24 10:43		Niha	OK
7	500PPBCN	500PPBCN	CAL7	11/15/24 10:43		Niha	OK
8	ICV1	ICV1	ICV	11/15/24 16:33		Niha	OK
9	ICB1	ICB1	ICB	11/15/24 16:33		Niha	OK
10	CCV1	CCV1	CCV	11/15/24 16:33		Niha	OK
11	CCB1	CCB1	CCB	11/15/24 16:33		Niha	OK
12	PB165016BL	PB165016BL	MB	11/15/24 16:33		Niha	OK
13	PB165016BS	PB165016BS	LCS	11/15/24 16:33		Niha	OK
14	LOWPB165016	LOWPB165016	SAM	11/15/24 16:40		Niha	OK
15	HIGHPB165016	HIGHPB165016	SAM	11/15/24 16:40		Niha	OK
16	P4822-02	SOIL-1	SAM	11/15/24 16:40		Niha	OK
17	P4822-02DUP	SOIL-1DUP	DUP	11/15/24 16:41		Niha	OK
18	P4822-02MS	SOIL-1MS	MS	11/15/24 16:41		Niha	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB133487

Review By	Niha	Review On	11/19/2024 4:10:49 PM
Supervise By	Iwona	Supervise On	11/19/2024 4:31:25 PM
SubDirectory	LB133487	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP110724,WP110725,WP110726,WP110727,WP110728,WP110729,WP110730
ICV Standard	W3011
CCV Standard	WP110725
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP109549
Chk Standard	WP109068,WP110103,WP110731

19	P4822-02MSD	SOIL-1MSD	MSD	11/15/24 16:41		Niha	OK
20	P4822-04	SOIL-2	SAM	11/15/24 16:48		Niha	OK
21	P4822-06	SOIL-3	SAM	11/15/24 16:48		Niha	OK
22	CCV2	CCV2	CCV	11/15/24 16:48		Niha	OK
23	CCB2	CCB2	CCB	11/15/24 16:48		Niha	OK
24	P4822-08	SOIL-4	SAM	11/15/24 16:48		Niha	OK
25	P4822-10	SOIL-5	SAM	11/15/24 16:48		Niha	OK
26	P4860-01	DUP-01	SAM	11/15/24 16:48		Niha	OK
27	P4860-02	PH2-BOT-001	SAM	11/15/24 16:48		Niha	OK
28	P4860-03	PH2-BOT-002	SAM	11/15/24 16:48		Niha	OK
29	P4860-04	PH2-BOT-003	SAM	11/15/24 16:48		Niha	OK
30	P4860-05	PH2-BOT-004	SAM	11/15/24 16:48		Niha	OK
31	P4860-06	PH2-BOT-009	SAM	11/15/24 16:56		Niha	OK
32	P4860-07	PH2-BOT-008	SAM	11/15/24 16:56		Niha	OK
33	P4860-08	PH2-BOT-007	SAM	11/15/24 16:56		Niha	OK
34	CCV3	CCV3	CCV	11/15/24 16:56		Niha	OK
35	CCB3	CCB3	CCB	11/15/24 16:56		Niha	OK
36	P4860-09	PH2-BOT-006	SAM	11/15/24 16:56		Niha	OK
37	P4860-10	PH2-BOT-005	SAM	11/15/24 16:56		Niha	OK
38	P4822-12	SOIL-6	SAM	11/15/24 17:03		Niha	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB133487

Review By	Niha	Review On	11/19/2024 4:10:49 PM
Supervise By	Iwona	Supervise On	11/19/2024 4:31:25 PM
SubDirectory	LB133487	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP110724,WP110725,WP110726,WP110727,WP110728,WP110729,WP110730
ICV Standard	W3011
CCV Standard	WP110725
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP109549
Chk Standard	WP109068,WP110103,WP110731

39	CCV4	CCV4	CCV	11/15/24 17:03		Niha	OK
40	CCB4	CCB4	CCB	11/15/24 17:03		Niha	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133497

Review By	rubina	Review On	11/18/2024 4:36:35 PM
Supervise By	Iwona	Supervise On	11/18/2024 4:49:53 PM
SubDirectory	LB133497	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	WP110722,WP110380,WP110381,WP108645

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	11/18/24 15:30		rubina	OK
2	CAL2	CAL2	CAL	11/18/24 15:31		rubina	OK
3	CAL3	CAL3	CAL	11/18/24 15:32		rubina	OK
4	CAL4	CAL4	CAL	11/18/24 15:33		rubina	OK
5	CAL5	CAL5	CAL	11/18/24 15:34		rubina	OK
6	CAL6	CAL6	CAL	11/18/24 15:35		rubina	OK
7	CAL7	CAL7	CAL	11/18/24 15:36		rubina	OK
8	ICV	ICV	ICV	11/18/24 15:37		rubina	OK
9	ICB	ICB	ICB	11/18/24 15:38		rubina	OK
10	CCV1	CCV1	CCV	11/18/24 15:39		rubina	OK
11	CCB1	CCB1	CCB	11/18/24 15:40		rubina	OK
12	RL Check	RL Check	SAM	11/18/24 15:41		rubina	OK
13	PB165024BL	PB165024BL	MB	11/18/24 15:42		rubina	OK
14	PB165024BS	PB165024BS	LCS	11/18/24 15:43		rubina	OK
15	P4860-01	DUP-01	SAM	11/18/24 15:44		rubina	OK
16	P4860-01DUP	DUP-01DUP	DUP	11/18/24 15:45		rubina	OK
17	P4860-01MSPre	DUP-01MS	MS	11/18/24 15:46		rubina	OK
18	P4860-01MS2Ins	DUP-01MS	MS	11/18/24 15:47		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133497

Review By	rubina	Review On	11/18/2024 4:36:35 PM
Supervise By	Iwona	Supervise On	11/18/2024 4:49:53 PM
SubDirectory	LB133497	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	WP110722,WP110380,WP110381,WP108645

19	P4860-01MS3Post	DUP-01MS	MS	11/18/24 15:48		rubina	OK
20	P4860-02	PH2-BOT-001	SAM	11/18/24 15:49		rubina	OK
21	P4860-03	PH2-BOT-002	SAM	11/18/24 15:50		rubina	OK
22	P4860-04	PH2-BOT-003	SAM	11/18/24 15:51		rubina	OK
23	CCV2	CCV2	CCV	11/18/24 15:52		rubina	OK
24	CCB2	CCB2	CCB	11/18/24 15:53		rubina	OK
25	P4860-05	PH2-BOT-004	SAM	11/18/24 15:54		rubina	OK
26	P4860-06	PH2-BOT-009	SAM	11/18/24 15:55		rubina	OK
27	P4860-07	PH2-BOT-008	SAM	11/18/24 15:56		rubina	OK
28	P4860-08	PH2-BOT-007	SAM	11/18/24 15:57		rubina	OK
29	P4860-09	PH2-BOT-006	SAM	11/18/24 15:58		rubina	OK
30	P4860-10	PH2-BOT-005	SAM	11/18/24 15:59		rubina	OK
31	P4869-01	EO-02-11152024	SAM	11/18/24 16:00		rubina	OK
32	P4887-01	MH-739	SAM	11/18/24 16:01		rubina	OK
33	P4887-05	MH-760	SAM	11/18/24 16:02		rubina	OK
34	P4892-01	WB-310-TOP	SAM	11/18/24 16:03		rubina	OK
35	CCV3	CCV3	CCV	11/18/24 16:04		rubina	OK
36	CCB3	CCB3	CCB	11/18/24 16:05		rubina	OK
37	P4892-02	WB-310-BOT	SAM	11/18/24 16:06		rubina	OK
38	P4893-01	MH-763	SAM	11/18/24 16:07		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133497

Review By	rubina	Review On	11/18/2024 4:36:35 PM
Supervise By	Iwona	Supervise On	11/18/2024 4:49:53 PM
SubDirectory	LB133497	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	WP110722,WP110380,WP110381,WP108645

39	P4893-05	MH-762	SAM	11/18/24 16:08		rubina	OK
40	CCV4	CCV4	CCV	11/18/24 16:09		rubina	OK
41	CCB4	CCB4	CCB	11/18/24 16:10		rubina	OK

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LAB CHRONICLE

OrderID:	P4860	**OrderDate:**	11/14/2024 1:36:41 PM
Client:	Tetra Tech	**Project:**	Ocean County Landfill 2024
Contact:	John Giuliano	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4860-01	**DUP-01**	**SOIL**			**11/14/24 12:00**			**11/14/24**
			Hexavalent Chromium	7196A		11/18/24	11/18/24 15:44	
			pH	9045D			11/15/24 17:33	
			Cyanide	9012B		11/15/24	11/15/24 16:48	
P4860-02	**PH2-BOT-001**	**SOIL**			**11/14/24 08:20**			**11/14/24**
			Cyanide	9012B		11/15/24	11/15/24 16:48	
			Hexavalent Chromium	7196A		11/18/24	11/18/24 15:49	
			pH	9045D			11/15/24 17:37	
P4860-03	**PH2-BOT-002**	**SOIL**			**11/14/24 08:45**			**11/14/24**
			Cyanide	9012B		11/15/24	11/15/24 16:48	
			Hexavalent Chromium	7196A		11/18/24	11/18/24 15:50	
			pH	9045D			11/15/24 17:40	
P4860-04	**PH2-BOT-003**	**SOIL**			**11/14/24 09:05**			**11/14/24**
			Cyanide	9012B		11/15/24	11/15/24 16:48	
			Hexavalent Chromium	7196A		11/18/24	11/18/24 15:51	

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LAB CHRONICLE

			pH	9045D			11/15/24 17:44	
P4860-05	**PH2-BOT-004**	**SOIL**			**11/14/24 09:25**			**11/14/24**
			Cyanide	9012B		11/15/24	11/15/24 16:48	
			Hexavalent Chromium	7196A		11/18/24	11/18/24 15:54	
			pH	9045D			11/15/24 17:47	
P4860-06	**PH2-BOT-009**	**SOIL**			**11/14/24 09:45**			**11/14/24**
			Cyanide	9012B		11/15/24	11/15/24 16:56	
			Hexavalent Chromium	7196A		11/18/24	11/18/24 15:55	
			pH	9045D			11/15/24 17:50	
P4860-07	**PH2-BOT-008**	**SOIL**			**11/14/24 10:00**			**11/14/24**
			Cyanide	9012B		11/15/24	11/15/24 16:56	
			Hexavalent Chromium	7196A		11/18/24	11/18/24 15:56	
			pH	9045D			11/15/24 17:55	
P4860-08	**PH2-BOT-007**	**SOIL**			**11/14/24 10:15**			**11/14/24**
			Cyanide	9012B		11/15/24	11/15/24 16:56	
			Hexavalent Chromium	7196A		11/18/24	11/18/24 15:57	
			pH	9045D			11/15/24 18:00	
P4860-09	**PH2-BOT-006**	**SOIL**			**11/14/24 10:30**			**11/14/24**

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

LAB CHRONICLE

			Cyanide	9012B		11/15/24	11/15/24 16:56
			Hexavalent Chromium	7196A		11/18/24	11/18/24 15:58
			pH	9045D			11/15/24 18:10
P4860-10	**PH2-BOT-005**	**SOIL**			**11/14/24 10:45**		**11/14/24**
			Cyanide	9012B		11/15/24	11/15/24 16:56
			Hexavalent Chromium	7196A		11/18/24	11/18/24 15:59
			pH	9045D			11/15/24 18:25

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB165016

11

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-20

SDG No : N/A

Start Digest Date: 11/15/2024 **Time :** 12:20 **Temp :** 123 °C

Matrix : SOIL

End Digest Date: 11/15/2024 **Time :** 13:50 **Temp :** 126 °C

Pippete ID : WC

II batch 11/15/2024 14:15 123 °C
11/15/2024 15:45 126 °C

Balance ID : WC SC-7

Hood ID : HOOD#1 **Digestion tube ID :** M5595 **Block Thermometer ID :** WC CYANIDE

Block ID : MC-1,MC-2 **Filter paper ID :** N/A **Prep Technician Signature:** JP

Weigh By : JP **pH Meter ID :** N/A **Supervisor Signature:** 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP109549
MS/MSD SPIKE SOL.	0.40ML	WP110035
PBS003	50ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP108640
50% v/v H2SO4	5.0ML	WP110391
51% w/v MgCL2	2.0ML	WP110390
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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
S0	S0	N/A	N/A
S5.0	S5.0	N/A	N/A
S10.0	S10.0	N/A	N/A
S100.0	S100.0	N/A	N/A
S250.0	S250.0	N/A	N/A
S500.0	S500.0	N/A	N/A
ICV	ICV	0.5ML	W3011
ICB	ICB	N/A	N/A
CCV	CCV	N/A	N/A
CCB	CCB	N/A	N/A
Midrange	Midrange	N/A	N/A
HIGHSTD	HIGHSTD	5.0ML	WP110035
LOWSTD	LOWSTD	0.1ML	WP110035

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11.15.2024, 16:00	JP / WC	NP(WC)
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Soil/Sludge Cyanide Preparation Sheet

PB165016

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P4822-02	SOIL-1	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4822-02DUP	SOIL-1DUP	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4822-02MS	SOIL-1MS	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4822-02MSD	SOIL-1MSD	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4822-04	SOIL-2	1.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4822-06	SOIL-3	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4822-08	SOIL-4	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4822-10	SOIL-5	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4822-12	SOIL-6	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4860-01	DUP-01	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4860-02	PH2-BPT-001	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4860-03	PH2-BPT-002	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4860-04	PH2-BPT-003	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4860-05	PH2-BPT-004	1.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4860-06	PH2-BPT-009	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4860-07	PH2-BPT-008	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4860-08	PH2-BPT-007	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4860-09	PH2-BPT-006	1.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4860-10	PH2-BPT-005	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
PB165016BL	PBS016	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB165016BS	LCS016	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB165024

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: 11/18/2024 **Time :** 09:20 **Temp :** 90 °C

End Digest Date: 11/18/2024 **Time :** 10:20 **Temp :** 95 °C

1 batch 11/18/2024 10:40 90c JRM
11/18/2024 11:40 94c JRM

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	W3001
PHOSPHATE BUFFER	0.5ML	WP110498
HEX. DIGESTION SOLN.	50.0ML	WP110633
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	WP110733
CAL3	CAL3	0.5ML	WP110733
CAL4	CAL4	1ML	WP110733
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:

11/18/2024 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB165024

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P4860-01	DUP-01	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4860-01MSPre	DUP-01MSPRE	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4860-01MS2Ins	DUP-01MS2INS	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4860-01MS3Post	DUP-01MS3POST	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4860-01DUP	DUP-01DUP	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4860-02	PH2-BPT-001	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4860-03	PH2-BPT-002	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4860-04	PH2-BPT-003	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4860-05	PH2-BPT-004	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4860-06	PH2-BPT-009	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4860-07	PH2-BPT-008	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4860-08	PH2-BPT-007	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4860-09	PH2-BPT-006	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4860-10	PH2-BPT-005	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4869-01	EO-02-11152024	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
P4887-01	MH-739	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
P4887-05	MH-760	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4892-01	WB-310-TOP	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4892-02	WB-310-BOT	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4893-01	MH-763	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4893-05	MH-762	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
PB165024BL	PBS024	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB165024BS	LCS024	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. P4860
QUOTE NO.
COC Number 2042292

12
12.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Cornerstone Env. Group
ADDRESS: 100 Crystal Run Rd Suite 101
CITY Middletown STATE: NY ZIP: 10941
ATTENTION:
PHONE: 845-695-0200 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: OCLF Ph 2 Post-Excavation Sample
PROJECT NO.: 209-424325 LOCATION: Manchester NJ
PROJECT MANAGER: John Guiliano
e-mail: John.Guiliano@tetratech.com
PHONE: 845-695-0200 FAX:

CLIENT BILLING INFORMATION

BILL TO: Cornerstone Env. Group PO#:
ADDRESS: 100 Crystal Run Rd Suite 101
CITY Middletown STATE: NY ZIP: 10941
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☒ EDD FORMAT _____

ANALYSIS

1	2	3	4	5	6	7	8	9
TCL TCL 8260B, 8270E	8081B, 8082A	6010D/7471B	9012B	NJEPH	7196A	9045D	8260D	Chemtech - SOP

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.	DUP - 01	Soil	X		11-14-24	12:00	10	X	X	X	X	X	X	X	X	X	
2.	PH2 - BOT - 001					8:20		X	X	X	X	X	X	X	X	X	
3.	PH2 - BOT - 002					8:45		X	X	X	X	X	X	X	X	X	
4.	PH2 - BOT - 003					9:05		X	X	X	X	X	X	X	X	X	
5.	PH2 - BOT - 004					9:25		X	X	X	X	X	X	X	X	X	
6.	PH2 - BOT - 009					9:45		X	X	X	X	X	X	X	X	X	
7.	PH2 - BOT - 008					10:00		X	X	X	X	X	X	X	X	X	
8.	PH2 - BOT - 007					10:15		X	X	X	X	X	X	X	X	X	
9.	PH2 - BOT - 006					10:30		X	X	X	X	X	X	X	X	X	
10.	PH2 - BOT - 005					10:45		X	X	X	X	X	X	X	X	X	

Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	11-14-24 11:15	1. 1115 11-14-24
2.		2.
3.	11-14-24 1830	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0 °C
Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☑ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

Copyright © 2023
WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

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 : P4860 CORN02
Client Name : Tetra Tech
Client Contact : John Giuliano
Invoice Name : Tetra Tech
Invoice Contact : John Giuliano

Order Date : 11/14/2024 1:36:41 PM
Project Name : Ocean County Landfill 202
Receive DateTime : 11/14/2024 6:30:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4860-01	DUP-01	Solid	11/14/2024	12:00	VOC-TCLVOA-10	TCL+30/TAL	8260D		10 Bus. Days
P4860-02	BOT PH2-BPT-001	Solid	11/14/2024	08:20	VOC-TCLVOA-10	TCL+30/TAL	8260D		10 Bus. Days
P4860-03	BOT PH2-BPT-002	Solid	11/14/2024	08:45	VOC-TCLVOA-10	TCL+30/TAL	8260D		10 Bus. Days
P4860-04	BOT PH2-BPT-003	Solid	11/14/2024	09:05	VOC-TCLVOA-10	TCL+30/TAL	8260D		10 Bus. Days
P4860-05	BOT PH2-BPT-004	Solid	11/14/2024	09:25	VOC-TCLVOA-10	TCL+30/TAL	8260D		10 Bus. Days
P4860-06	BOT PH2-BPT-009	Solid	11/14/2024	09:45	VOC-TCLVOA-10	TCL+30/TAL	8260D		10 Bus. Days
P4860-07	BOT PH2-BPT-008	Solid	11/14/2024	10:00	VOC-TCLVOA-10	TCL+30/TAL	8260D		10 Bus. Days
P4860-08	BOT PH2-BPT-007	Solid	11/14/2024	10:15	VOC-TCLVOA-10	TCL+30/TAL	8260D		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4860 CORN02
Client Name : Tetra Tech
Client Contact : John Giuliano
Invoice Name : Tetra Tech
Invoice Contact : John Giuliano

Order Date : 11/14/2024 1:36:41 PM
Project Name : Ocean County Landfill 202
Receive DateTime : 11/14/2024 6:30:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
	BOT				VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
P4860-09	PH2-BPT-006	Solid	11/14/2024	10:30					
	BOT				VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
P4860-10	PH2-BPT-005	Solid	11/14/2024	10:45					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	

Relinguished By :
Date / Time : 11/15/24 1130

Received By :
Date / Time : 11.15.24 1:30

Storage Area : VOA Refridgerator Room