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Fax : 908 789 8922

DATA PACKAGE

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

PROJECT NAME : AMTRAK SAWTOOTH BRIDGES 2024

PORTAL PARTNERS TRI-VENTURE

c/o Gannett Fleming Inc. Transit and Rail System

207 Senate Avenue

Camp Hill, PA - 17011

Phone No: 610-650-8101

ORDER ID : P4460

ATTENTION : Joseph Krupansky

Laboratory Certification ID # 20012

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Cover Page

Order ID : P4460

Project ID : Amtrak Sawtooth Bridges 2024

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
P4460-02	WB-303-TOP
P4460-03	WB-303-BOT
P4460-04	WB-303-BOT
P4460-05	TB-10182024
P4460-06	WB-303-SW

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

Signature : _____

Date: 11/6/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

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

Project Location : Kearny Project Number : 9500000878

Laboratory Sample ID(s) : P4460 Sampling Date(s) : 10/18/2024

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,1030,1311,1311,ZHE,6010D,7196A,7470A,7471B,8081B,8082A,8151A,8260-Low,8260D,8270E,9012B,9034,9045D,NJEPH**

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

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P4460
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 10/18/2024.
2 Water samples were received on 10/18/2024.

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

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.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.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID VN084428.D met the requirements except for 1,1,2-Trichloroethane,2-Hexanone,4-Methyl-2-Pentanone, and Dibromochloromethane are failing high but no positive hit in associate sample therefore no corrective action taken while Carbon Disulfide is failing marginally low therefore no corrective action taken.

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The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P4460
Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 10/18/2024.
2 Water samples were received on 10/18/2024.

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

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

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

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

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

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P4460
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 10/18/2024.
2 Water samples were received on 10/18/2024.

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

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3510.

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

The MS {P4460-03MS} with File ID: BF140006.D recoveries met the requirements for all compounds except for 4,6-Dinitro-2-methylphenol[148%], 4-Chloroaniline[34%] and Hexachlorocyclopentadiene[164%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The MSD {P4460-03MSD} with File ID: BF140007.D recoveries met the acceptable requirements except for 4,6-Dinitro-2-methylphenol[157%], 4-Chloroaniline[36%], Di-n-octyl phthalate[138%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, while Hexachlorocyclopentadiene[179%], Atrazine[133%], Dibenz(a,h)anthracene[138%], Indeno(1,2,3-cd)pyrene[138%], these compounds did not

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meet the NJDKQP criteria and in-house criteria, due to matrix interference no corrective action is required.

The RPD for {P4460-03MSD} with File ID: BF140007.D met criteria except for Benzo(g,h,i)perylene[38%], Dibenz(a,h)anthracene[37%] and Indeno(1,2,3-cd)pyrene [37%], these compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference, no corrective action is required.

The Blank Spike for {PB164286BS} with File ID: BF139963.D met requirements for all samples except for 4-Chloroaniline[65%], Hexachlorocyclopentadiene[161%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike for {PB164369BS} with File ID: BM048237.D met requirements for all samples except for 3-Nitroaniline[60%], 4-Chloroaniline[40%], these compounds did not meet the NJDKQP criteria but met the in-house criteria. While Hexachlorocyclopentadiene [210%], this compound did not meet the NJDKQP criteria and in-house criteria, but associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank Spike Duplicate for {PB164369BSD} with File ID: BM048233.D met requirements for all samples except for 3,3-Dichlorobenzidine[69%], 3-Nitroaniline [58%], 4-Chloroaniline[41%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, while Hexachlorocyclopentadiene[210%], this compound did not meet the NJDKQP criteria and in-house criteria, but associate samples have no positive hit for these compounds therefore no corrective action was taken .

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF101824.M) for 2,4-Dinitrophenol, this compound is passing on Linear Regression

The Continuous Calibration File ID BF139952.D met the requirements except for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken. .

The Continuous Calibration File ID BF140001.D met the requirements except for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BF140050.D met the requirements except for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol, The associate samples have no positive hit for these compounds therefore no corrective action was taken.
The Tuning criteria met requirements.

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E. Additional Comments:
The Sample WB-303-TOP, have the concentration of target compound below method detection limits; therefore it is not reported as Hit in Form1.
Sample # WB-303-SW, was received with limited volume.
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

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

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P4460
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 10/18/2024.
2 Water samples were received on 10/18/2024.

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

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for WB-303-BOT [2,4,6-Tribromophenol - 119%], this compound 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 MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

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E. Additional Comments:

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P4460
Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 10/18/2024.
2 Water samples were received on 10/18/2024.

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

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 TCLP Pesticides was based on method 8081B and extraction was done based on method 3510 and TCLP extraction method was 1311.

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:

F. Manual Integration Comments:

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P4460
Test Name: PCB

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 10/18/2024.
2 Water samples were received on 10/18/2024.

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

C. Analytical Techniques:
The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3510.

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

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E. Additional Comments:
Less volume was taken for sample # WB-303-SW at the extraction due to Limited volume received.

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

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

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P4460
Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 10/18/2024.
2 Water samples were received on 10/18/2024.

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

C. Analytical Techniques:
The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324The analysis of TCLP Herbicides was based on method 8151A and extraction was done based on method 3510 and TCLP extraction method was 1311.

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

The Surrogate recoveries met the acceptable criteria except for WB-301-BOTMS [2,4-DCAA(1) - 28%, 2,4-DCAA(2) - 23%], WB-301-BOTMSD [2,4-DCAA(1) - 28%, 2 and4-DCAA(2) - 22%],these compounds did not meet the NJDKQP criteria and in-house criteria and surrogate failure for MS-MSD confirms with Original sample while, PB164261TB[2,4-DCAA(2) - 57%],this compound did not meet the NJDKQP criteria but met the in-house criteria.

The Retention Times were acceptable for all samples.

The MS {P4397-06MS} with File ID: PS028042.D recoveries met the requirements for all compounds except for 2,4,5-TP(Silvex)[212%],this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

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The MSD {P4397-06MSD} with File ID: PS028043.D recoveries met the acceptable requirements except for 2,4,5-TP(Silvex)[226%],this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

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:

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

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

Signature_____

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Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P4460
Test Name: EPH

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 10/18/2024.
2 Water samples were received on 10/18/2024.

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

C. Analytical Techniques:
The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analyses were performed on instrument FID_D. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPHs was based on method NJEPH and extraction was done based on method 3510.

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 {P4460-03MS} with File ID: FC067492.D recoveries met the requirements for all compounds except for Aliphatic C16-C21[141%], Aliphatic C21-C28[148%] due to matrix interference.

The MSD {P4460-03MSD} with File ID: FC067493.D recoveries met the acceptable requirements except for Aliphatic C21-C28[140%] due to matrix interference.

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

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

Sample WB-303-BOT was diluted due to high concentration for Aliphatic compounds.

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

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

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P4460
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 10/18/2024.
2 Water samples were received on 10/18/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, EPH, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, Trivalent Chromium, VOC-TCLVOA-10 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) and 3010 (waters).The analysis and digestion of Mercury was based on method 7470A. The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample WB-303-TOP was diluted due to high concentrations for Mercury & Sample WB-303-SW was diluted due to high concentrations for Sodium.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (34839-40MS) analysis met criteria for all samples except for Mercury due to matrix interference.
The Matrix Spike (WB-303-BOTMS) analysis met criteria for all samples except for Antimony, Barium, Beryllium, Chromium, Cobalt, Copper, Potassium, Selenium, Vanadium, Zinc due to matrix interference.
The Matrix Spike (WB-303-SWMS) analysis met criteria for all samples except for Antimony, Arsenic, Selenium, Silver, Sodium, Zinc due to matrix interference.
The Matrix Spike Duplicate (34839-40MSD) analysis met criteria for all samples except for Mercury due to matrix interference.

The Matrix Spike Duplicate (WB-303-BOTMSD) analysis met criteria for all samples except for Antimony, Barium, Beryllium, Chromium, Cobalt, Copper, Nickel, Potassium, Selenium, Vanadium, Zinc due to matrix interference.

The Matrix Spike Duplicate (WB-303-SWMSD) analysis met criteria for all samples except for Aluminum, Antimony, Arsenic, Selenium, Silver, Zinc due to matrix interference.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

The Serial Dilution (OG-315-HR-502-COMP-29L) met criteria for all samples except for Mercury due to unknown interference.
The Serial Dilution (WB-303-BOTL) met criteria for all samples except for Calcium, Chromium, Manganese due to unknown interference.
The Serial Dilution (WB-303-SWL) met criteria for all samples except for Magnesium due to unknown interference.

E. Additional Comments:

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P4460
Test Name: TCLP Mercury,TCLP ICP Metals

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 10/18/2024.
2 Water samples were received on 10/18/2024.

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

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate 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.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2024
Project # N/A
Chemtech Project # P4460
Test Name: Hexavalent Chromium,Corrosivity,Trivalent Chromium,Ignitability,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 10/18/2024.
2 Water samples were received on 10/18/2024.

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

C. Analytical Techniques:
The analysis of Ignitability was based on method 1030, The analysis of Trivalent Chromium was based on method 6010D, The analysis of Hexavalent Chromium was based on method 7196A, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034 and The analysis of Corrosivity was based on method 9045D.

D. QA/ QC Samples:
The Holding Times were met for all samples except for WB-303-BOT of Corrosivity as sample receive out of holding time.
The Blank Spike met requirements for all samples.
The Duplicate (WB-301-BOTDUP) analysis met criteria for all samples except for Reactive Cyanide due the results are Below Reporting Limit.
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.

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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 #: P4460

	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:** 11/06/2024

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**WB-303-TOP**								
P4460-02	WB-303-TOP	SOIL	Acetone		110		10.7	42.7	ug/Kg
P4460-02	WB-303-TOP	SOIL	Carbon Disulfide		3.40	J	2.20	8.50	ug/Kg
P4460-02	WB-303-TOP	SOIL	2-Butanone		35.4	J	9.70	42.7	ug/Kg
P4460-02	WB-303-TOP	SOIL	Methylcyclohexane		2.40	J	1.50	8.50	ug/Kg
P4460-02	WB-303-TOP	SOIL	o-Xylene		2.10	J	1.20	8.50	ug/Kg
P4460-02	WB-303-TOP	SOIL	Isopropylbenzene		4.60	J	1.10	8.50	ug/Kg
			Total Voc :		158				
P4460-02	WB-303-TOP	SOIL	Indane	*	18.8	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	Benzene, 1-ethyl-2-methyl-	*	14.4	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	1,4-Dihydronaphthalene	*	11.5	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	Benzene, 1-methyl-2-(2-propen	*	20.5	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	1-Methyl-2-phenylcyclopropan	*	14.6	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	11H-Dibenzo[b,e][1,4]diazepin	*	33.7	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	Benzene, (2-methyl-1-butenyl)-	*	10.3	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	1,2,4-Trimethylbenzene	*	7.60	J	2.30	8.50	ug/Kg
P4460-02	WB-303-TOP	SOIL	Diisopropyl ether	*	4.70	J	0.97	8.50	ug/Kg
P4460-02	WB-303-TOP	SOIL	1,4-Dioxane	*	190	J	72.6	170	ug/Kg
			Total Tics :		326				
			Total Concentration:		484				
Client ID:	**WB-303-BOT**								
P4460-03	WB-303-BOT	SOIL	Acetone		10.3	J	4.90	19.7	ug/Kg
P4460-03	WB-303-BOT	SOIL	Methylene Chloride		2.70	J	2.70	7.90	ug/Kg
			Total Voc :		13.0				
P4460-03	WB-303-BOT	SOIL	Diisopropyl ether	*	1.70	J	0.45	3.90	ug/Kg
P4460-03	WB-303-BOT	SOIL	1,4-Dioxane	*	59.5	J	33.5	78.7	ug/Kg
			Total Tics :		61.2				
			Total Concentration:		74.2				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	51.5
Sample Wt/Vol:	5.68 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
VY019975.D	1		10/22/24 12:49	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.80	U	2.80	8.50	ug/Kg
74-87-3	Chloromethane	2.00	U	2.00	8.50	ug/Kg
75-01-4	Vinyl Chloride	1.30	U	1.30	8.50	ug/Kg
74-83-9	Bromomethane	1.80	U	1.80	8.50	ug/Kg
75-00-3	Chloroethane	1.70	U	1.70	8.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.60	U	1.60	8.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	1.80	8.50	ug/Kg
75-35-4	1,1-Dichloroethene	1.30	U	1.30	8.50	ug/Kg
67-64-1	Acetone	110		10.7	42.7	ug/Kg
75-15-0	Carbon Disulfide	3.40	J	2.20	8.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.10	U	1.10	8.50	ug/Kg
79-20-9	Methyl Acetate	3.10	U	3.10	8.50	ug/Kg
75-09-2	Methylene Chloride	5.80	U	5.80	17.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.40	U	1.40	8.50	ug/Kg
75-34-3	1,1-Dichloroethane	1.10	U	1.10	8.50	ug/Kg
110-82-7	Cyclohexane	1.20	U	1.20	8.50	ug/Kg
78-93-3	2-Butanone	35.4	J	9.70	42.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.50	U	1.50	8.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.00	U	1.00	8.50	ug/Kg
74-97-5	Bromochloromethane	4.10	U	4.10	8.50	ug/Kg
67-66-3	Chloroform	1.10	U	1.10	8.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.30	U	1.30	8.50	ug/Kg
108-87-2	Methylcyclohexane	2.40	J	1.50	8.50	ug/Kg
71-43-2	Benzene	1.20	U	1.20	8.50	ug/Kg
107-06-2	1,2-Dichloroethane	1.00	U	1.00	8.50	ug/Kg
79-01-6	Trichloroethene	1.30	U	1.30	8.50	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	8.50	ug/Kg
75-27-4	Bromodichloromethane	0.96	U	0.96	8.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.40	U	7.40	42.7	ug/Kg
108-88-3	Toluene	1.10	U	1.10	8.50	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	51.5
Sample Wt/Vol:	5.68 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
VY019975.D	1		10/22/24 12:49	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.00	U	1.00	8.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.97	U	0.97	8.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.40	U	1.40	8.50	ug/Kg
591-78-6	2-Hexanone	8.20	U	8.20	42.7	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	8.50	ug/Kg
106-93-4	1,2-Dibromoethane	1.40	U	1.40	8.50	ug/Kg
127-18-4	Tetrachloroethene	1.50	U	1.50	8.50	ug/Kg
108-90-7	Chlorobenzene	1.30	U	1.30	8.50	ug/Kg
100-41-4	Ethyl Benzene	1.10	U	1.10	8.50	ug/Kg
179601-23-1	m/p-Xylenes	2.30	U	2.30	17.1	ug/Kg
95-47-6	o-Xylene	2.10	J	1.20	8.50	ug/Kg
100-42-5	Styrene	1.00	U	1.00	8.50	ug/Kg
75-25-2	Bromoform	1.40	U	1.40	8.50	ug/Kg
98-82-8	Isopropylbenzene	4.60	J	1.10	8.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.90	U	1.90	8.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	8.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	8.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.00	U	1.00	8.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	U	2.70	8.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.40	U	1.40	8.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.30	U	1.30	8.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.1		70 (50) - 130 (163)	128%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (54) - 130 (147)	102%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (58) - 130 (134)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		70 (29) - 130 (146)	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	222000	7.707			
540-36-3	1,4-Difluorobenzene	464000	8.616			
3114-55-4	Chlorobenzene-d5	428000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	153000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	51.5
Sample Wt/Vol:	5.68 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
VY019975.D	1		10/22/24 12:49	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-20-3	Diisopropyl ether	4.70	J		6.03	ug/Kg
123-91-1	1,4-Dioxane	190	J		9.23	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	14.4	J		12.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	7.60	J		13.0	ug/Kg
000496-11-7	Indane	18.8	J		13.5	ug/Kg
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	33.7	J		13.9	ug/Kg
003145-76-4	1-Methyl-2-phenylcyclopropane	14.6	J		14.0	ug/Kg
001587-04-8	Benzene, 1-methyl-2-(2-propenyl)-	20.5	J		14.6	ug/Kg
000612-17-9	1,4-Dihydronaphthalene	11.5	J		14.7	ug/Kg
056253-64-6	Benzene, (2-methyl-1-butenyl)-	10.3	J		14.9	ug/Kg

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.1
Sample Wt/Vol:	7.93 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
VY019973.D	1		10/22/24 12:02	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	3.90	ug/Kg
74-87-3	Chloromethane	0.91	U	0.91	3.90	ug/Kg
75-01-4	Vinyl Chloride	0.61	U	0.61	3.90	ug/Kg
74-83-9	Bromomethane	0.81	U	0.81	3.90	ug/Kg
75-00-3	Chloroethane	0.80	U	0.80	3.90	ug/Kg
75-69-4	Trichlorofluoromethane	0.72	U	0.72	3.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.84	U	0.84	3.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.61	U	0.61	3.90	ug/Kg
67-64-1	Acetone	10.3	J	4.90	19.7	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	3.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.53	U	0.53	3.90	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	3.90	ug/Kg
75-09-2	Methylene Chloride	2.70	J	2.70	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.66	U	0.66	3.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.50	U	0.50	3.90	ug/Kg
110-82-7	Cyclohexane	0.54	U	0.54	3.90	ug/Kg
78-93-3	2-Butanone	4.50	U	4.50	19.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.68	U	0.68	3.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.48	U	0.48	3.90	ug/Kg
74-97-5	Bromochloromethane	1.90	U	1.90	3.90	ug/Kg
67-66-3	Chloroform	0.53	U	0.53	3.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.61	U	0.61	3.90	ug/Kg
108-87-2	Methylcyclohexane	0.68	U	0.68	3.90	ug/Kg
71-43-2	Benzene	0.57	U	0.57	3.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.48	U	0.48	3.90	ug/Kg
79-01-6	Trichloroethene	0.59	U	0.59	3.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.52	U	0.52	3.90	ug/Kg
75-27-4	Bromodichloromethane	0.44	U	0.44	3.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	19.7	ug/Kg
108-88-3	Toluene	0.53	U	0.53	3.90	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.1
Sample Wt/Vol:	7.93 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
VY019973.D	1		10/22/24 12:02	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.47	U	0.47	3.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	3.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.66	U	0.66	3.90	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	19.7	ug/Kg
124-48-1	Dibromochloromethane	0.51	U	0.51	3.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.62	U	0.62	3.90	ug/Kg
127-18-4	Tetrachloroethene	0.70	U	0.70	3.90	ug/Kg
108-90-7	Chlorobenzene	0.58	U	0.58	3.90	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	3.90	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	7.90	ug/Kg
95-47-6	o-Xylene	0.55	U	0.55	3.90	ug/Kg
100-42-5	Styrene	0.47	U	0.47	3.90	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.90	ug/Kg
98-82-8	Isopropylbenzene	0.53	U	0.53	3.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.87	U	0.87	3.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.58	U	0.58	3.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.63	U	0.63	3.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.46	U	0.46	3.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	3.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.62	U	0.62	3.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.61	U	0.61	3.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.8		70 (50) - 130 (163)	126%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 (54) - 130 (147)	103%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.2		70 (29) - 130 (146)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	7.707			
540-36-3	1,4-Difluorobenzene	421000	8.616			
3114-55-4	Chlorobenzene-d5	380000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.1
Sample Wt/Vol:	7.93 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
VY019973.D	1		10/22/24 12:02	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
108-20-3	Diisopropyl ether	1.70	J		6.03	ug/Kg
123-91-1	1,4-Dioxane	59.5	J		9.24	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
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	TB-10182024	SDG No.:	P4460
Lab Sample ID:	P4460-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084445.D	1		10/21/24 18:52	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	TB-10182024	SDG No.:	P4460
Lab Sample ID:	P4460-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084445.D	1		10/21/24 18:52	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162000	8.224			
540-36-3	1,4-Difluorobenzene	284000	9.1			
3114-55-4	Chlorobenzene-d5	248000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.794			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	TB-10182024	SDG No.:	P4460
Lab Sample ID:	P4460-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084445.D	1		10/21/24 18:52	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084446.D	1		10/21/24 19:16	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084446.D	1		10/21/24 19:16	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	49.9		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		70 (77) - 130 (121)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	8.224			
540-36-3	1,4-Difluorobenzene	300000	9.1			
3114-55-4	Chlorobenzene-d5	261000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084446.D	1		10/21/24 19:16	VN102124

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

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

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4460-02	WB-303-TOP	1,2-Dichloroethane-d4	50	64.1	128	70 (50)	130 (163)
		Dibromofluoromethane	50	51.2	102	70 (54)	130 (147)
		Toluene-d8	50	50.9	102	70 (58)	130 (134)
		4-Bromofluorobenzene	50	44.5	89	70 (29)	130 (146)
P4460-03	WB-303-BOT	1,2-Dichloroethane-d4	50	62.8	126	70 (50)	130 (163)
		Dibromofluoromethane	50	51.5	103	70 (54)	130 (147)
		Toluene-d8	50	50.7	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	43.1	86	70 (29)	130 (146)
VY1022SBL01	VY1022SBL01	1,2-Dichloroethane-d4	50	55.9	112	70 (50)	130 (163)
		Dibromofluoromethane	50	48.9	98	70 (54)	130 (147)
		Toluene-d8	50	50.6	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	40.3	81	70 (29)	130 (146)
VY1022SBS01	VY1022SBS01	1,2-Dichloroethane-d4	50	53.2	106	70 (50)	130 (163)
		Dibromofluoromethane	50	53.1	106	70 (54)	130 (147)
		Toluene-d8	50	51.4	103	70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.9	102	70 (29)	130 (146)
VY1022SBSD01	VY1022SBSD01	1,2-Dichloroethane-d4	50	56.9	114	70 (50)	130 (163)
		Dibromofluoromethane	50	56.0	112	70 (54)	130 (147)
		Toluene-d8	50	53.3	107	70 (58)	130 (134)
		4-Bromofluorobenzene	50	53.3	107	70 (29)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4460-05	TB-10182024	1,2-Dichloroethane-d4	50	51.2	102	70 (74)	130 (125)
		Dibromofluoromethane	50	52.0	104	70 (75)	130 (124)
		Toluene-d8	50	50.1	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.0	94	70 (77)	130 (121)
P4460-06	WB-303-SW	1,2-Dichloroethane-d4	50	49.7	99	70 (74)	130 (125)
		Dibromofluoromethane	50	51.7	103	70 (75)	130 (124)
		Toluene-d8	50	49.9	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.2	90	70 (77)	130 (121)
VN1021WBL01	VN1021WBL01	1,2-Dichloroethane-d4	50	48.6	97	70 (74)	130 (125)
		Dibromofluoromethane	50	51.1	102	70 (75)	130 (124)
		Toluene-d8	50	48.8	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.7	89	70 (77)	130 (121)
VN1021WBS01	VN1021WBS01	1,2-Dichloroethane-d4	50	50.5	101	70 (74)	130 (125)
		Dibromofluoromethane	50	54.3	109	70 (75)	130 (124)
		Toluene-d8	50	54.0	108	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.5	105	70 (77)	130 (121)
VN1021WBSD0	VN1021WBSD01	1,2-Dichloroethane-d4	50	51.1	102	70 (74)	130 (125)
		Dibromofluoromethane	50	52.8	106	70 (75)	130 (124)
		Toluene-d8	50	51.8	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.5	105	70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084433.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1021WBS01	Dichlorodifluoromethane	20	16.1	ug/L	81			40 (69)	160 (116)	
	Chloromethane	20	16.1	ug/L	81			40 (65)	160 (116)	
	Vinyl chloride	20	16.7	ug/L	84			70 (65)	130 (117)	
	Bromomethane	20	16.5	ug/L	83			40 (58)	160 (125)	
	Chloroethane	20	15.0	ug/L	75			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.1	ug/L	91			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			70 (80)	130 (112)	
	1,1-Dichloroethene	20	17.6	ug/L	88			70 (74)	130 (110)	
	Acetone	100	87.5	ug/L	88			40 (60)	160 (125)	
	Carbon disulfide	20	14.2	ug/L	71			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.1	ug/L	91			70 (78)	130 (114)	
	Methyl Acetate	20	22.5	ug/L	113			70 (67)	130 (125)	
	Methylene Chloride	20	18.6	ug/L	93			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	17.4	ug/L	87			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.2	ug/L	96			70 (78)	130 (112)	
	Cyclohexane	20	16.0	ug/L	80			70 (75)	130 (110)	
	2-Butanone	100	88.7	ug/L	89			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.9	ug/L	95			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.2	ug/L	91			70 (77)	130 (110)	
	Bromochloromethane	20	19.6	ug/L	98			70 (70)	130 (124)	
	Chloroform	20	19.0	ug/L	95			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.7	ug/L	94			70 (80)	130 (108)	
	Methylcyclohexane	20	16.2	ug/L	81			70 (72)	130 (115)	
	Benzene	20	19.0	ug/L	95			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.9	ug/L	95			70 (80)	130 (115)	
	Trichloroethene	20	19.2	ug/L	96			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.6	ug/L	98			70 (83)	130 (111)	
	Bromodichloromethane	20	19.5	ug/L	98			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	96.8	ug/L	97			40 (74)	160 (118)	
	Toluene	20	19.6	ug/L	98			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.5	ug/L	93			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.9	ug/L	95			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			70 (83)	130 (112)	
	2-Hexanone	100	96.1	ug/L	96			40 (73)	160 (117)	
	Dibromochloromethane	20	20.1	ug/L	101			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.0	ug/L	95			70 (81)	130 (110)	
	Tetrachloroethene	20	18.9	ug/L	95			70 (67)	130 (123)	
	Chlorobenzene	20	19.2	ug/L	96			70 (82)	130 (109)	
	Ethyl Benzene	20	18.5	ug/L	93			70 (83)	130 (109)	
	m/p-Xylenes	40	38.5	ug/L	96			70 (82)	130 (110)	
	o-Xylene	20	20.0	ug/L	100			70 (83)	130 (109)	
	Styrene	20	19.5	ug/L	98			70 (80)	130 (111)	
	Bromoform	20	19.5	ug/L	98			70 (79)	130 (109)	
	Isopropylbenzene	20	18.2	ug/L	91			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.3	ug/L	92			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084433.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1021WBS01	1,2-Dibromo-3-Chloropropane	20	17.1	ug/L	86			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.6	ug/L	88			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	17.2	ug/L	86			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084434.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1021WBSD01	Dichlorodifluoromethane	20	16.8	ug/L	84	4		40 (69)	160 (116)	20 (20)
	Chloromethane	20	16.3	ug/L	81	0		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	17.1	ug/L	86	2		70 (65)	130 (117)	20 (20)
	Bromomethane	20	17.0	ug/L	85	2		40 (58)	160 (125)	20 (20)
	Chloroethane	20	16.0	ug/L	80	6		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.0	ug/L	95	4		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97	6		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	17.7	ug/L	89	1		70 (74)	130 (110)	20 (20)
	Acetone	100	91.6	ug/L	92	4		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	14.5	ug/L	73	3		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.8	ug/L	99	8		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	24.0	ug/L	120	6		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	20.2	ug/L	101	8		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	6		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	19.6	ug/L	98	2		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	16.2	ug/L	81	1		70 (75)	130 (110)	20 (20)
	2-Butanone	100	96.8	ug/L	97	9		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.4	ug/L	97	2		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.2	ug/L	96	5		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	21.7	ug/L	109	11		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.1	ug/L	101	6		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.8	ug/L	99	5		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.0	ug/L	85	5		70 (72)	130 (115)	20 (20)
	Benzene	20	19.6	ug/L	98	3		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.6	ug/L	103	8		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.5	ug/L	98	2		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	20.9	ug/L	104	6		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	20.9	ug/L	104	6		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	100	ug/L	100	3		40 (74)	160 (118)	20 (20)
	Toluene	20	20.3	ug/L	102	4		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.7	ug/L	99	6		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.0	ug/L	100	5		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	22.5	ug/L	113	10		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	100	ug/L	100	4		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	21.8	ug/L	109	8		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.7	ug/L	104	9		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.3	ug/L	97	2		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.5	ug/L	98	2		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	18.4	ug/L	92	1		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	38.8	ug/L	97	1		70 (82)	130 (110)	20 (20)
	o-Xylene	20	18.8	ug/L	94	6		70 (83)	130 (109)	20 (20)
	Styrene	20	19.8	ug/L	99	1		70 (80)	130 (111)	20 (20)
	Bromoform	20	20.7	ug/L	104	6		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	18.4	ug/L	92	1		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	20.6	ug/L	103	6		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.3	ug/L	97	4		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.4	ug/L	97	3		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	18.8	ug/L	94	2		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084434.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1021WBSD01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93	8		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94	7		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	18.2	ug/L	91	6		70 (76)	130 (114)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY019971.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1022SBS01	Dichlorodifluoromethane	20	16.5	ug/Kg	83			40 (64)	160 (136)	
	Chloromethane	20	18.9	ug/Kg	95			40 (70)	160 (130)	
	Vinyl chloride	20	19.4	ug/Kg	97			70 (72)	130 (129)	
	Bromomethane	20	20.8	ug/Kg	104			40 (58)	160 (141)	
	Chloroethane	20	20.0	ug/Kg	100			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.9	ug/Kg	100			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/Kg	102			70 (81)	130 (123)	
	1,1-Dichloroethene	20	18.2	ug/Kg	91			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (131)	
	Carbon disulfide	20	13.2	ug/Kg	66			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.9	ug/Kg	104			70 (77)	130 (129)	
	Methyl Acetate	20	21.1	ug/Kg	106			70 (69)	130 (149)	
	Methylene Chloride	20	21.5	ug/Kg	108			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	18.0	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.6	ug/Kg	108			70 (82)	130 (123)	
	Cyclohexane	20	18.0	ug/Kg	90			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.0	ug/Kg	100			70 (82)	130 (123)	
	Bromochloromethane	20	21.6	ug/Kg	108			70 (80)	130 (127)	
	Chloroform	20	21.9	ug/Kg	110			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103			70 (80)	130 (126)	
	Methylcyclohexane	20	17.6	ug/Kg	88			70 (77)	130 (123)	
	Benzene	20	20.1	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.8	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	19.0	ug/Kg	95			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.7	ug/Kg	109			70 (83)	130 (122)	
	Bromodichloromethane	20	21.7	ug/Kg	109			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	20.4	ug/Kg	102			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.8	ug/Kg	99			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	22.5	ug/Kg	113			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	20.9	ug/Kg	104			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.4	ug/Kg	102			70 (80)	130 (125)	
	Tetrachloroethene	20	18.5	ug/Kg	93			70 (83)	130 (125)	
	Chlorobenzene	20	20.2	ug/Kg	101			70 (84)	130 (122)	
	Ethyl Benzene	20	20.0	ug/Kg	100			70 (82)	130 (124)	
	m/p-Xylenes	40	39.3	ug/Kg	98			70 (83)	130 (124)	
	o-Xylene	20	19.4	ug/Kg	97			70 (83)	130 (123)	
	Styrene	20	20.2	ug/Kg	101			70 (82)	130 (124)	
	Bromoform	20	20.4	ug/Kg	102			70 (75)	130 (127)	
	Isopropylbenzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	22.1	ug/Kg	111			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY019971.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1022SBS01	1,2-Dibromo-3-Chloropropane	20	20.9	ug/Kg	104			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.1	ug/Kg	91			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.5	ug/Kg	93			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY019972.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1022SBSD01	Dichlorodifluoromethane	20	17.4	ug/Kg	87	5		40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.4	ug/Kg	92	3		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	18.8	ug/Kg	94	3		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.5	ug/Kg	103	1		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.1	ug/Kg	101	1		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	19.8	ug/Kg	99	1		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/Kg	101	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	17.7	ug/Kg	89	2		70 (79)	130 (121)	30 (20)
	Acetone	100	120	ug/Kg	120	9		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	13.1	ug/Kg	66	0		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	21.4	ug/Kg	107	3		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	22.4	ug/Kg	112	6		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.0	ug/Kg	105	3		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	18.6	ug/Kg	93	3		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	22.1	ug/Kg	111	3		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	17.3	ug/Kg	86	5		70 (76)	130 (122)	30 (20)
	2-Butanone	100	120	ug/Kg	120	9		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	18.7	ug/Kg	94	5		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104	4		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	22.6	ug/Kg	113	5		70 (80)	130 (127)	30 (20)
	Chloroform	20	22.5	ug/Kg	113	3		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103	0		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	17.4	ug/Kg	87	1		70 (77)	130 (123)	30 (20)
	Benzene	20	20.2	ug/Kg	101	0		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.5	ug/Kg	108	4		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.4	ug/Kg	97	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.7	ug/Kg	109	0		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.8	ug/Kg	109	0		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	120	ug/Kg	120	9		40 (70)	160 (135)	30 (20)
	Toluene	20	20.6	ug/Kg	103	1		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101	0		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	4		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.1	ug/Kg	111	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	21.2	ug/Kg	106	2		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.6	ug/Kg	103	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	18.3	ug/Kg	92	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.2	ug/Kg	101	0		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.0	ug/Kg	100	0		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	38.9	ug/Kg	97	1		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.7	ug/Kg	99	2		70 (83)	130 (123)	30 (20)
	Styrene	20	20.4	ug/Kg	102	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.2	ug/Kg	101	1		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.2	ug/Kg	101	2		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	23.3	ug/Kg	117	5		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102	5		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103	4		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.6	ug/Kg	103	1		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY019972.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1022SBSD01	1,2-Dibromo-3-Chloropropane	20	21.8	ug/Kg	109	5		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.4	ug/Kg	97	6		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95	2		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1021WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084430.D Lab Sample ID: VN1021WBL01

Date Analyzed: 10/21/2024 Time Analyzed: 12:36

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1021WBS01	VN1021WBS01	VN084433.D	10/21/2024
VN1021WBSD01	VN1021WBSD01	VN084434.D	10/21/2024
TB-10182024	P4460-05	VN084445.D	10/21/2024
WB-303-SW	P4460-06	VN084446.D	10/21/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1022SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VY019970.D Lab Sample ID: VY1022SBL01

Date Analyzed: 10/22/2024 Time Analyzed: 10:36

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
VY1022SBS01	VY1022SBS01	VY019971.D	10/22/2024
VY1022SBSD01	VY1022SBSD01	VY019972.D	10/22/2024
WB-303-BOT	P4460-03	VY019973.D	10/22/2024
WB-303-TOP	P4460-02	VY019975.D	10/22/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084211.D BFB Injection Date: 09/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:24

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	71
175	5.0 - 9.0% of mass 174	5.5 (7.8) 1
176	95.0 - 101.0% of mass 174	69.7 (98.2) 1
177	5.0 - 9.0% of mass 176	4.9 (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
VSTDICC100	VSTDICC100	VN084213.D	09/30/2024	12:25
VSTDICCC050	VSTDICCC050	VN084214.D	09/30/2024	12:49
VSTDICC020	VSTDICC020	VN084215.D	09/30/2024	13:13
VSTDICC010	VSTDICC010	VN084216.D	09/30/2024	13:37
VSTDICC005	VSTDICC005	VN084217.D	09/30/2024	14:00
VSTDICC001	VSTDICC001	VN084218.D	09/30/2024	14:48

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084427.D BFB Injection Date: 10/21/2024

Instrument ID: MSVOA_N BFB Injection Time: 11:14

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	72.7
175	5.0 - 9.0% of mass 174	5.1 (7) 1
176	95.0 - 101.0% of mass 174	70 (96.3) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084428.D	10/21/2024	11:38
VN1021WBL01	VN1021WBL01	VN084430.D	10/21/2024	12:36
VN1021WBS01	VN1021WBS01	VN084433.D	10/21/2024	13:48
VN1021WBSD01	VN1021WBSD01	VN084434.D	10/21/2024	14:22
TB-10182024	P4460-05	VN084445.D	10/21/2024	18:52
WB-303-SW	P4460-06	VN084446.D	10/21/2024	19:16

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VY019826.D BFB Injection Date: 10/09/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:33

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	22.4
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	76.9
175	5.0 - 9.0% of mass 174	5.6 (7.3) 1
176	95.0 - 101.0% of mass 174	73.9 (96.2) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY019827.D	10/09/2024	10:18
VSTDICC010	VSTDICC010	VY019828.D	10/09/2024	10:41
VSTDICC020	VSTDICC020	VY019829.D	10/09/2024	11:04
VSTDICCC050	VSTDICCC050	VY019830.D	10/09/2024	11:26
VSTDICC100	VSTDICC100	VY019831.D	10/09/2024	11:49
VSTDICC150	VSTDICC150	VY019832.D	10/09/2024	12:11

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VY019968.D BFB Injection Date: 10/22/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:49

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	24.6
75	30.0 - 60.0% of mass 95	58.5
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	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	73 (98.3) 1
177	5.0 - 9.0% of mass 176	4.6 (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	VY019969.D	10/22/2024	10:01
VY1022SBL01	VY1022SBL01	VY019970.D	10/22/2024	10:36
VY1022SBS01	VY1022SBS01	VY019971.D	10/22/2024	11:16
VY1022SBSD01	VY1022SBSD01	VY019972.D	10/22/2024	11:38
WB-303-BOT	P4460-03	VY019973.D	10/22/2024	12:02
WB-303-TOP	P4460-02	VY019975.D	10/22/2024	12:49

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084428.D Date Analyzed: 10/21/2024

Instrument ID: MSVOA_N Time Analyzed: 11:38

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	157355	8.22	262800	9.10	244635	11.87
UPPER LIMIT	314710	8.724	525600	9.6	489270	12.365
LOWER LIMIT	78677.5	7.724	131400	8.6	122318	11.365
EPA SAMPLE NO.						
TB-10182024	161710	8.22	283963	9.10	247792	11.87
WB-303-SW	173070	8.22	299867	9.10	260696	11.87
VN1021WBL01	167468	8.22	295479	9.10	254088	11.87
VN1021WBS01	189913	8.22	322919	9.10	284161	11.87
VN1021WBSD01	163086	8.22	278516	9.10	255670	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084428.D Date Analyzed: 10/21/2024

Instrument ID: MSVOA_N Time Analyzed: 11:38

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

	IS4 AREA #	RT #				
12 HOUR STD	127638	13.788				
UPPER LIMIT	255276	14.288				
LOWER LIMIT	63819	13.288				
EPA SAMPLE NO.						
TB-10182024	101842	13.79				
WB-303-SW	102425	13.79				
VN1021WBL01	99954	13.79				
VN1021WBS01	138325	13.79				
VN1021WBSD01	124118	13.79				

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: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VY019969.D Date Analyzed: 10/22/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:01

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	226762	7.71	399552	8.62	348429	11.41
UPPER LIMIT	453524	8.213	799104	9.116	696858	11.914
LOWER LIMIT	113381	7.213	199776	8.116	174215	10.914
EPA SAMPLE NO.						
WB-303-TOP	221816	7.71	464225	8.62	428467	11.41
WB-303-BOT	206651	7.71	420505	8.62	379777	11.41
VY1022SBL01	219150	7.71	450425	8.62	395647	11.41
VY1022SBS01	215657	7.71	379714	8.62	332435	11.41
VY1022SBSD01	222995	7.71	399190	8.61	345246	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VY019969.D Date Analyzed: 10/22/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:01

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

	IS4 AREA #	RT #				
12 HOUR STD	173474	13.347				
UPPER LIMIT	346948	13.847				
LOWER LIMIT	86737	12.847				
EPA SAMPLE NO.						
WB-303-TOP	153318	13.35				
WB-303-BOT	134149	13.35				
VY1022SBL01	132931	13.35				
VY1022SBS01	160914	13.35				
VY1022SBSD01	163027	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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBL01	SDG No.:	P4460
Lab Sample ID:	VN1021WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084430.D	1		10/21/24 12:36	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBL01	SDG No.:	P4460
Lab Sample ID:	VN1021WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084430.D	1		10/21/24 12:36	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		70 (77) - 130 (121)	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.224			
540-36-3	1,4-Difluorobenzene	295000	9.1			
3114-55-4	Chlorobenzene-d5	254000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	100000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBL01	SDG No.:	P4460
Lab Sample ID:	VN1021WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084430.D	1		10/21/24 12:36	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBL01	SDG No.:	P4460
Lab Sample ID:	VY1022SBL01	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
VY019970.D	1		10/22/24 10:36	VY102224

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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBL01	SDG No.:	P4460
Lab Sample ID:	VY1022SBL01	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
VY019970.D	1		10/22/24 10:36	VY102224

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	55.8		70 (50) - 130 (163)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.3		70 (29) - 130 (146)	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	219000	7.713			
540-36-3	1,4-Difluorobenzene	450000	8.616			
3114-55-4	Chlorobenzene-d5	396000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.347			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBL01	SDG No.:	P4460
Lab Sample ID:	VY1022SBL01	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
VY019970.D	1		10/22/24 10:36	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBS01	SDG No.:	P4460
Lab Sample ID:	VN1021WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084433.D	1		10/21/24 13:48	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.1		0.21	1.00	ug/L
74-87-3	Chloromethane	16.1		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	16.7		0.34	1.00	ug/L
74-83-9	Bromomethane	16.5		1.40	5.00	ug/L
75-00-3	Chloroethane	15.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.26	1.00	ug/L
67-64-1	Acetone	87.5		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	14.2		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.1		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.5		0.60	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.4		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.0		1.60	5.00	ug/L
78-93-3	2-Butanone	88.7		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	19.6		0.18	1.00	ug/L
67-66-3	Chloroform	19.0		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	16.2		0.19	1.00	ug/L
71-43-2	Benzene	19.0		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.9		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	19.5		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	96.8		0.75	5.00	ug/L
108-88-3	Toluene	19.6		0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBS01	SDG No.:	P4460
Lab Sample ID:	VN1021WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084433.D	1		10/21/24 13:48	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.5		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.9		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	96.1		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	20.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.9		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.5		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	38.5		0.31	2.00	ug/L
95-47-6	o-Xylene	20.0		0.14	1.00	ug/L
100-42-5	Styrene	19.5		0.16	1.00	ug/L
75-25-2	Bromoform	19.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.3		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.6		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.2		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		70 (75) - 130 (124)	109%	SPK: 50
2037-26-5	Toluene-d8	53.9		70 (86) - 130 (113)	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	190000	8.224			
540-36-3	1,4-Difluorobenzene	323000	9.1			
3114-55-4	Chlorobenzene-d5	284000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	138000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBS01	SDG No.:	P4460
Lab Sample ID:	VN1021WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084433.D	1		10/21/24 13:48	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBS01	SDG No.:	P4460
Lab Sample ID:	VY1022SBS01	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
VY019971.D	1		10/22/24 11:16	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.5		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.9		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.4		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.2		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	13.2		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	21.1		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.0		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		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	20.0		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	21.6		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.9		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.5		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.6		0.87	5.00	ug/Kg
71-43-2	Benzene	20.1		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.0		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.7		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.7		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.4		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBS01	SDG No.:	P4460
Lab Sample ID:	VY1022SBS01	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
VY019971.D	1		10/22/24 11:16	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.8		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.5		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.4		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.5		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.0		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.3		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.70	5.00	ug/Kg
100-42-5	Styrene	20.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.4		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.4		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.7		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.9		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.1		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.5		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	53.1		70 (54) - 130 (147)	106%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (58) - 130 (134)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 (29) - 130 (146)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	216000	7.713			
540-36-3	1,4-Difluorobenzene	380000	8.616			
3114-55-4	Chlorobenzene-d5	332000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.347			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBS01	SDG No.:	P4460
Lab Sample ID:	VY1022SBS01	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
VY019971.D	1		10/22/24 11:16	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBSD01	SDG No.:	P4460
Lab Sample ID:	VN1021WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084434.D	1		10/21/24 14:22	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.8		0.21	1.00	ug/L
74-87-3	Chloromethane	16.3		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.1		0.34	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	5.00	ug/L
75-00-3	Chloroethane	16.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.7		0.26	1.00	ug/L
67-64-1	Acetone	91.6		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	14.5		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	24.0		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.2		1.60	5.00	ug/L
78-93-3	2-Butanone	96.8		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.7		0.18	1.00	ug/L
67-66-3	Chloroform	20.1		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	17.0		0.19	1.00	ug/L
71-43-2	Benzene	19.6		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L
108-88-3	Toluene	20.3		0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBSD01	SDG No.:	P4460
Lab Sample ID:	VN1021WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084434.D	1		10/21/24 14:22	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.7		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.4		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	38.8		0.31	2.00	ug/L
95-47-6	o-Xylene	18.8		0.14	1.00	ug/L
100-42-5	Styrene	19.8		0.16	1.00	ug/L
75-25-2	Bromoform	20.7		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.4		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.6		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.2		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	51.8		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	8.224			
540-36-3	1,4-Difluorobenzene	279000	9.1			
3114-55-4	Chlorobenzene-d5	256000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBSD01	SDG No.:	P4460
Lab Sample ID:	VN1021WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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
VN084434.D	1		10/21/24 14:22	VN102124

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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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBSD01	SDG No.:	P4460
Lab Sample ID:	VY1022SBSD01	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
VY019972.D	1		10/22/24 11:38	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.4		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.4		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.8		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.5		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.1		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	20.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	17.7		0.78	5.00	ug/Kg
67-64-1	Acetone	120		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	13.1		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.4		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.0		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.6		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.1		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.3		0.69	5.00	ug/Kg
78-93-3	2-Butanone	120		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.7		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	22.6		2.40	5.00	ug/Kg
67-66-3	Chloroform	22.5		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.5		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.4		0.87	5.00	ug/Kg
71-43-2	Benzene	20.2		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.5		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.4		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.7		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.8		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	120		4.40	25.0	ug/Kg
108-88-3	Toluene	20.6		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBSD01	SDG No.:	P4460
Lab Sample ID:	VY1022SBSD01	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
VY019972.D	1		10/22/24 11:38	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.1		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.2		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.3		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.0		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.9		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.70	5.00	ug/Kg
100-42-5	Styrene	20.4		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.2		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	23.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		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	20.6		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.4		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.8		70 (50) - 130 (163)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	56.1		70 (54) - 130 (147)	112%	SPK: 50
2037-26-5	Toluene-d8	53.3		70 (58) - 130 (134)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		70 (29) - 130 (146)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223000	7.707			
540-36-3	1,4-Difluorobenzene	399000	8.609			
3114-55-4	Chlorobenzene-d5	345000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.346			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBSD01	SDG No.:	P4460
Lab Sample ID:	VY1022SBSD01	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
VY019972.D	1		10/22/24 11:38	VY102224

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: MSVOA_N Calibration Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 12:25 14:48

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

LAB FILE ID: RRF100 = VN084213.D RRF050 = VN084214.D RRF020 = VN084215.D
RRF010 = VN084216.D RRF005 = VN084217.D RRF001 = VN084218.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.567	0.613	0.600	0.562	0.607	0.600	0.591	3.7
Chloromethane	0.619	0.671	0.677	0.648	0.747	0.690	0.675	6.4
Vinyl Chloride	0.611	0.667	0.665	0.641	0.724	0.617	0.654	6.4
Bromomethane	0.368	0.432	0.432	0.424	0.501		0.431	10.9
Chloroethane	0.375	0.419	0.430	0.433	0.522	0.632	0.468	19.9
Trichlorofluoromethane	0.953	1.060	1.047	0.959	1.113	0.978	1.019	6.4
1,1,2-Trichlorotrifluoroethane	0.542	0.590	0.603	0.532	0.633	0.602	0.584	6.7
1,1-Dichloroethene	0.538	0.587	0.596	0.533	0.631	0.493	0.563	8.9
Acetone	0.299	0.342	0.337	0.298	0.336	0.299	0.318	6.8
Carbon Disulfide	1.588	1.723	1.746	1.650	1.908	2.080	1.782	10.2
Methyl tert-butyl Ether	1.825	2.033	2.035	1.802	2.049	1.656	1.900	8.6
Methyl Acetate	0.607	0.707	0.694	0.691	0.765	0.700	0.694	7.3
Methylene Chloride	0.594	0.655	0.661	0.618	0.669	0.686	0.647	5.3
trans-1,2-Dichloroethene	0.555	0.622	0.619	0.570	0.627	0.546	0.590	6.2
1,1-Dichloroethane	1.075	1.193	1.163	1.084	1.226	1.046	1.131	6.4
Cyclohexane	0.970	1.068	1.084	1.047	1.321		1.098	12
2-Butanone	0.395	0.452	0.465	0.419	0.467	0.404	0.434	7.3
Carbon Tetrachloride	0.515	0.549	0.553	0.508	0.545	0.482	0.525	5.4
cis-1,2-Dichloroethene	0.670	0.741	0.741	0.655	0.767	0.703	0.713	6.2
Bromochloromethane	0.472	0.494	0.486	0.423	0.619	0.535	0.505	13.2
Chloroform	1.083	1.204	1.205	1.117	1.259	1.181	1.175	5.5
1,1,1-Trichloroethane	0.997	1.102	1.089	1.018	1.154	0.972	1.055	6.7
Methylcyclohexane	0.567	0.583	0.577	0.507	0.534	0.428	0.533	11
Benzene	1.434	1.553	1.559	1.410	1.574	1.421	1.492	5.2
1,2-Dichloroethane	0.480	0.528	0.524	0.498	0.544	0.460	0.506	6.3
Trichloroethene	0.334	0.362	0.361	0.329	0.379	0.325	0.348	6.3
1,2-Dichloropropane	0.346	0.375	0.380	0.339	0.388	0.289	0.353	10.4
Bromodichloromethane	0.521	0.557	0.556	0.497	0.570	0.475	0.529	7.2
4-Methyl-2-Pentanone	0.449	0.508	0.510	0.468	0.484	0.387	0.468	9.9
Toluene	0.904	0.970	0.963	0.861	0.920	0.840	0.910	5.8

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: MSVOA_N Calibration Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 12:25 14:48

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

LAB FILE ID: RRF100 = VN084213.D RRF050 = VN084214.D RRF020 = VN084215.D
RRF010 = VN084216.D RRF005 = VN084217.D RRF001 = VN084218.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.562	0.590	0.573	0.517	0.564	0.430	0.539	10.9
cis-1,3-Dichloropropene	0.592	0.638	0.608	0.569	0.606	0.469	0.580	10.2
1,1,2-Trichloroethane	0.317	0.349	0.347	0.316	0.340	0.288	0.326	7.3
2-Hexanone	0.341	0.387	0.387	0.340	0.357	0.285	0.349	10.8
Dibromochloromethane	0.384	0.418	0.409	0.374	0.396	0.330	0.385	8.1
1,2-Dibromoethane	0.328	0.358	0.362	0.315	0.361	0.309	0.339	7.2
Tetrachloroethene	0.323	0.359	0.351	0.338	0.373	0.346	0.348	5
Chlorobenzene	1.068	1.170	1.143	1.069	1.173	1.028	1.109	5.5
Ethyl Benzene	1.988	2.121	2.028	1.840	2.030	1.756	1.961	6.9
m/p-Xylenes	0.741	0.806	0.779	0.695	0.729	0.600	0.725	10
o-Xylene	0.714	0.774	0.738	0.666	0.734	0.491	0.686	14.9
Styrene	1.234	1.312	1.238	1.112	1.159	0.918	1.162	11.9
Bromoform	0.282	0.315	0.303	0.260	0.288	0.239	0.281	10
Isopropylbenzene	3.737	4.132	4.055	3.677	3.864	3.428	3.815	6.8
1,1,2,2-Tetrachloroethane	1.001	1.183	1.187	1.127	1.291	1.095	1.147	8.5
1,3-Dichlorobenzene	1.624	1.787	1.780	1.646	1.843	1.679	1.727	5.1
1,4-Dichlorobenzene	1.628	1.784	1.734	1.638	1.889	1.789	1.744	5.7
1,2-Dichlorobenzene	1.555	1.710	1.740	1.613	1.769	1.770	1.693	5.3
1,2-Dibromo-3-Chloropropane	0.209	0.238	0.253	0.242	0.271	0.207	0.237	10.4
1,2,4-Trichlorobenzene	0.859	0.933	0.923	0.792	0.839	0.657	0.834	12.2
1,2,3-Trichlorobenzene	0.816	0.896	0.903	0.820	0.822	0.751	0.835	6.8
1,2-Dichloroethane-d4	0.673	0.737	0.764	0.712	0.821		0.741	7.5
Dibromofluoromethane	0.308	0.324	0.341	0.316	0.359		0.330	6.1
Toluene-d8	1.189	1.243	1.242	1.148	1.242		1.213	3.5
4-Bromofluorobenzene	0.447	0.452	0.449	0.406	0.456		0.442	4.6

* 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: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11

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

LAB FILE ID: RRF005 = VY019827.D RRF010 = VY019828.D RRF020 = VY019829.D
RRF050 = VY019830.D RRF100 = VY019831.D RRF150 = VY019832.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.500	0.498	0.410	0.458	0.434	0.492	0.465	8.1
Chloromethane	0.643	0.637	0.517	0.616	0.550	0.671	0.606	9.8
Vinyl Chloride	0.707	0.685	0.579	0.688	0.624	0.716	0.667	8
Bromomethane	0.458	0.447	0.357	0.433	0.390	0.447	0.422	9.4
Chloroethane	0.493	0.469	0.390	0.456	0.408	0.472	0.448	8.9
Trichlorofluoromethane	1.101	1.016	0.868	1.000	0.915	1.051	0.992	8.7
1,1,2-Trichlorotrifluoroethane	0.619	0.611	0.509	0.581	0.535	0.606	0.577	7.8
1,1-Dichloroethene	0.588	0.558	0.453	0.550	0.499	0.570	0.536	9.4
Acetone	0.196	0.156	0.134	0.170	0.152	0.153	0.160	12.9
Carbon Disulfide	1.501	1.392	1.193	1.552	1.404	1.586	1.438	10
Methyl tert-butyl Ether	1.719	1.559	1.334	1.574	1.443	1.617	1.541	8.8
Methyl Acetate	0.393	0.334	0.301	0.350	0.321	0.372	0.345	9.7
Methylene Chloride	0.869	0.695	0.551	0.619	0.543	0.603	0.647	18.9
trans-1,2-Dichloroethene	0.630	0.597	0.511	0.605	0.547	0.612	0.584	7.7
1,1-Dichloroethane	1.288	1.219	1.025	1.202	1.084	1.214	1.172	8.3
Cyclohexane	1.262	1.098	0.863	1.009	0.915	1.024	1.029	13.8
2-Butanone	0.251	0.217	0.186	0.222	0.201	0.211	0.215	10.2
Carbon Tetrachloride	0.525	0.505	0.446	0.527	0.495	0.559	0.510	7.5
cis-1,2-Dichloroethene	0.777	0.766	0.628	0.740	0.669	0.749	0.721	8.2
Bromochloromethane	0.607	0.470	0.502	0.529	0.483	0.504	0.516	9.5
Chloroform	1.318	1.238	1.055	1.225	1.102	1.229	1.195	8.1
1,1,1-Trichloroethane	1.118	1.091	0.915	1.067	0.978	1.112	1.047	7.9
Methylcyclohexane	0.629	0.584	0.512	0.629	0.581	0.658	0.599	8.6
Benzene	1.512	1.474	1.283	1.488	1.361	1.514	1.439	6.6
1,2-Dichloroethane	0.448	0.399	0.368	0.430	0.398	0.436	0.413	7.3
Trichloroethene	0.381	0.340	0.300	0.366	0.333	0.370	0.348	8.7
1,2-Dichloropropane	0.390	0.375	0.322	0.366	0.337	0.371	0.360	7.1
Bromodichloromethane	0.549	0.524	0.456	0.543	0.501	0.560	0.522	7.4
4-Methyl-2-Pentanone	0.281	0.247	0.220	0.269	0.254	0.275	0.258	8.7
Toluene	0.930	0.892	0.800	0.940	0.866	0.960	0.898	6.5

* 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11

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

LAB FILE ID: RRF005 = VY019827.D RRF010 = VY019828.D RRF020 = VY019829.D
RRF050 = VY019830.D RRF100 = VY019831.D RRF150 = VY019832.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.477	0.448	0.408	0.497	0.464	0.524	0.470	8.6
cis-1,3-Dichloropropene	0.577	0.537	0.489	0.579	0.542	0.603	0.554	7.3
1,1,2-Trichloroethane	0.280	0.257	0.230	0.269	0.248	0.271	0.259	6.9
2-Hexanone	0.193	0.173	0.160	0.197	0.185	0.197	0.184	8.1
Dibromochloromethane	0.348	0.317	0.294	0.344	0.328	0.364	0.333	7.5
1,2-Dibromoethane	0.244	0.234	0.207	0.246	0.226	0.248	0.234	6.7
Tetrachloroethene	0.379	0.366	0.316	0.368	0.328	0.377	0.356	7.6
Chlorobenzene	1.226	1.167	1.032	1.171	1.064	1.202	1.144	6.8
Ethyl Benzene	2.177	2.100	1.861	2.164	1.953	2.209	2.077	6.7
m/p-Xylenes	0.802	0.781	0.691	0.796	0.720	0.813	0.767	6.5
o-Xylene	0.750	0.756	0.665	0.769	0.700	0.783	0.737	6.1
Styrene	1.276	1.238	1.120	1.304	1.191	1.333	1.244	6.3
Bromoform	0.208	0.198	0.180	0.220	0.204	0.232	0.207	8.7
Isopropylbenzene	4.420	4.371	3.794	4.268	3.912	4.470	4.206	6.7
1,1,2,2-Tetrachloroethane	0.796	0.737	0.664	0.763	0.719	0.805	0.747	7
1,3-Dichlorobenzene	1.968	1.892	1.598	1.819	1.651	1.887	1.802	8.1
1,4-Dichlorobenzene	1.928	1.831	1.572	1.801	1.635	1.856	1.771	7.8
1,2-Dichlorobenzene	1.716	1.620	1.416	1.612	1.474	1.663	1.584	7.3
1,2-Dibromo-3-Chloropropane	0.133	0.115	0.100	0.121	0.118	0.129	0.119	9.7
1,2,4-Trichlorobenzene	0.860	0.832	0.758	0.965	0.886	1.027	0.888	10.8
1,2,3-Trichlorobenzene	0.716	0.698	0.634	0.823	0.761	0.872	0.751	11.5
1,2-Dichloroethane-d4	0.701	0.656	0.566	0.581	0.583	0.607	0.616	8.5
Dibromofluoromethane	0.356	0.335	0.300	0.321	0.326	0.341	0.330	5.8
Toluene-d8	1.299	1.254	1.134	1.185	1.191	1.246	1.218	4.9
4-Bromofluorobenzene	0.498	0.438	0.402	0.426	0.427	0.450	0.440	7.4

* 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.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: MSVOA_N Calibration Date/Time: 10/21/2024 11:38

Lab File ID: VN084428.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.591	0.529		-10.49	20
Chloromethane	0.675	0.602	0.1	-10.81	20
Vinyl Chloride	0.654	0.597		-8.72	20
Bromomethane	0.431	0.370		-14.15	20
Chloroethane	0.468	0.401		-14.32	20
Trichlorofluoromethane	1.019	1.044		2.45	20
1,1,2-Trichlorotrifluoroethane	0.584	0.603		3.25	20
1,1-Dichloroethene	0.563	0.566		0.53	20
Acetone	0.318	0.317		-0.31	20
Carbon Disulfide	1.782	1.424		-20.09	20
Methyl tert-butyl Ether	1.900	2.031		6.89	20
Methyl Acetate	0.694	0.915		31.84	20
Methylene Chloride	0.647	0.671		3.71	20
trans-1,2-Dichloroethene	0.590	0.593		0.51	20
1,1-Dichloroethane	1.131	1.189	0.1	5.13	20
Cyclohexane	1.098	0.959		-12.66	20
2-Butanone	0.434	0.467		7.6	20
Carbon Tetrachloride	0.525	0.569		8.38	20
cis-1,2-Dichloroethene	0.713	0.752		5.47	20
Bromochloromethane	0.505	0.533		5.55	20
Chloroform	1.175	1.280		8.94	20
1,1,1-Trichloroethane	1.055	1.115		5.69	20
Methylcyclohexane	0.533	0.522		-2.06	20
Benzene	1.492	1.635		9.58	20
1,2-Dichloroethane	0.506	0.549		8.5	20
Trichloroethene	0.348	0.375		7.76	20
1,2-Dichloropropane	0.353	0.401		13.6	20
Bromodichloromethane	0.529	0.606		14.56	20
4-Methyl-2-Pentanone	0.468	0.576		23.08	20
Toluene	0.910	1.023		12.42	20
t-1,3-Dichloropropene	0.539	0.601		11.5	20
cis-1,3-Dichloropropene	0.580	0.651		12.24	20
1,1,2-Trichloroethane	0.326	0.397		21.78	20
2-Hexanone	0.349	0.426		22.06	20
Dibromochloromethane	0.385	0.466		21.04	20
1,2-Dibromoethane	0.339	0.388		14.45	20
Tetrachloroethene	0.348	0.366		5.17	20
Chlorobenzene	1.109	1.181	0.3	6.49	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: MSVOA_N Calibration Date/Time: 10/21/2024 11:38

Lab File ID: VN084428.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.961	2.070		5.56	20
m/p-Xylenes	0.725	0.807		11.31	20
o-Xylene	0.686	0.765		11.52	20
Styrene	1.162	1.354		16.52	20
Bromoform	0.281	0.332	0.1	18.15	20
Isopropylbenzene	3.815	3.797		-0.47	20
1,1,2,2-Tetrachloroethane	1.147	1.198	0.3	4.45	20
1,3-Dichlorobenzene	1.727	1.778		2.95	20
1,4-Dichlorobenzene	1.744	1.755		0.63	20
1,2-Dichlorobenzene	1.693	1.727		2.01	20
1,2-Dibromo-3-Chloropropane	0.237	0.235		-0.84	20
1,2,4-Trichlorobenzene	0.834	0.857		2.76	20
1,2,3-Trichlorobenzene	0.835	0.868		3.95	20
1,2-Dichloroethane-d4	0.741	0.791		6.75	20
Dibromofluoromethane	0.330	0.387		17.27	20
Toluene-d8	1.213	1.431		17.97	20
4-Bromofluorobenzene	0.442	0.522		18.1	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: MSVOA_Y Calibration Date/Time: 10/22/2024 10:01

Lab File ID: VY019969.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.465	0.412		-11.4	20
Chloromethane	0.606	0.611	0.1	0.82	20
Vinyl Chloride	0.667	0.698		4.65	20
Bromomethane	0.422	0.448		6.16	20
Chloroethane	0.448	0.490		9.38	20
Trichlorofluoromethane	0.992	0.995		0.3	20
1,1,2-Trichlorotrifluoroethane	0.577	0.592		2.6	20
1,1-Dichloroethene	0.536	0.519		-3.17	20
Acetone	0.160	0.189		18.13	20
Carbon Disulfide	1.438	1.228		-14.6	20
Methyl tert-butyl Ether	1.541	1.675		8.7	20
Methyl Acetate	0.345	0.403		16.81	20
Methylene Chloride	0.647	0.636		-1.7	20
trans-1,2-Dichloroethene	0.584	0.602		3.08	20
1,1-Dichloroethane	1.172	1.328	0.1	13.31	20
Cyclohexane	1.029	0.985		-4.28	20
2-Butanone	0.215	0.241		12.09	20
Carbon Tetrachloride	0.510	0.544		6.67	20
cis-1,2-Dichloroethene	0.721	0.769		6.66	20
Bromochloromethane	0.516	0.570		10.47	20
Chloroform	1.195	1.359		13.72	20
1,1,1-Trichloroethane	1.047	1.132		8.12	20
Methylcyclohexane	0.599	0.592		-1.17	20
Benzene	1.439	1.559		8.34	20
1,2-Dichloroethane	0.413	0.460		11.38	20
Trichloroethene	0.348	0.357		2.59	20
1,2-Dichloropropane	0.360	0.412		14.44	20
Bromodichloromethane	0.522	0.599		14.75	20
4-Methyl-2-Pentanone	0.258	0.298		15.5	20
Toluene	0.898	0.990		10.24	20
t-1,3-Dichloropropene	0.470	0.521		10.85	20
cis-1,3-Dichloropropene	0.554	0.612		10.47	20
1,1,2-Trichloroethane	0.259	0.294		13.51	20
2-Hexanone	0.184	0.216		17.39	20
Dibromochloromethane	0.333	0.370		11.11	20
1,2-Dibromoethane	0.234	0.254		8.55	20
Tetrachloroethene	0.356	0.348		-2.25	20
Chlorobenzene	1.144	1.235	0.3	7.95	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,
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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: MSVOA_Y Calibration Date/Time: 10/22/2024 10:01

Lab File ID: VY019969.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.077	2.295		10.5	20
m/p-Xylenes	0.767	0.833		8.6	20
o-Xylene	0.737	0.816		10.72	20
Styrene	1.244	1.389		11.66	20
Bromoform	0.207	0.229	0.1	10.63	20
Isopropylbenzene	4.206	4.428		5.28	20
1,1,2,2-Tetrachloroethane	0.747	0.811	0.3	8.57	20
1,3-Dichlorobenzene	1.802	1.882		4.44	20
1,4-Dichlorobenzene	1.771	1.856		4.8	20
1,2-Dichlorobenzene	1.584	1.660		4.8	20
1,2-Dibromo-3-Chloropropane	0.119	0.123		3.36	20
1,2,4-Trichlorobenzene	0.888	0.895		0.79	20
1,2,3-Trichlorobenzene	0.751	0.751		0	20
1,2-Dichloroethane-d4	0.616	0.655		6.33	20
Dibromofluoromethane	0.330	0.352		6.67	20
Toluene-d8	1.218	1.252		2.79	20
4-Bromofluorobenzene	0.440	0.466		5.91	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019975.D
Acq On : 22 Oct 2024 12:49
Operator : SY/MD
Sample : P4460-02
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Quant Time: Oct 23 01:27:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

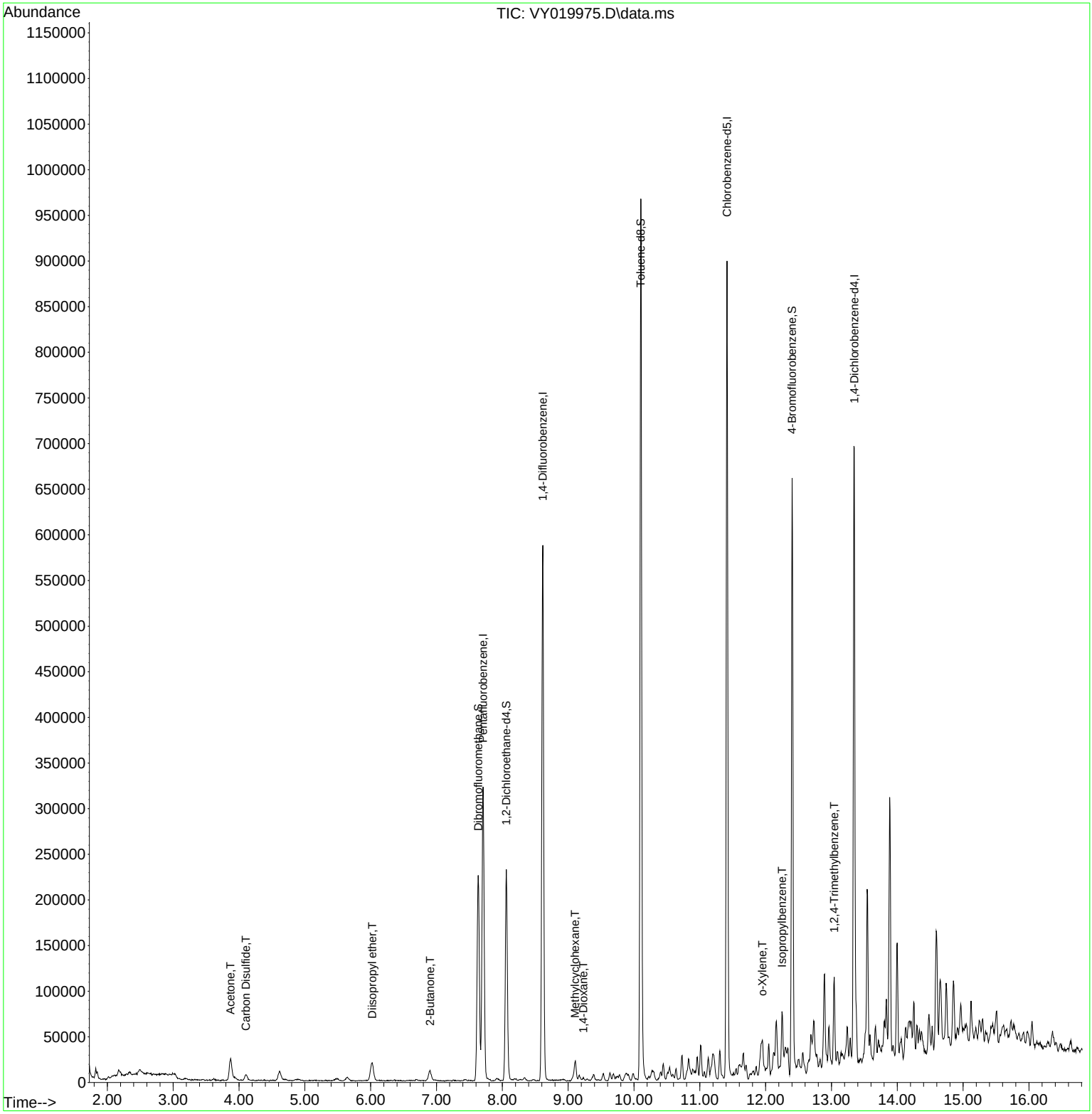
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	221816	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	464225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	428467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	175159	64.132	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.260%			
35) Dibromofluoromethane	7.634	113	156915	51.223	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.440%			
50) Toluene-d8	10.103	98	575855	50.904	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.800%			
62) 4-Bromofluorobenzene	12.401	95	182120	44.554	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 89.100%			
Target Compounds						Qvalue
16) Acetone	3.873	43	44181	62.141	ug/l #	78
17) Carbon Disulfide	4.104	76	12686	1.989	ug/l #	91
22) Diisopropyl ether	6.025	45	25898	2.769	ug/l	94
25) 2-Butanone	6.902	43	19720	20.722	ug/l	90
39) Methylcyclohexane	9.103	83	7705	1.386	ug/l #	84
49) 1,4-Dioxane	9.231	88	2225	108.840	ug/l #	86
69) o-Xylene	11.950	106	7778	1.231	ug/l	100
73) Isopropylbenzene	12.249	105	34537	2.678	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	45726	4.428	ug/l	96

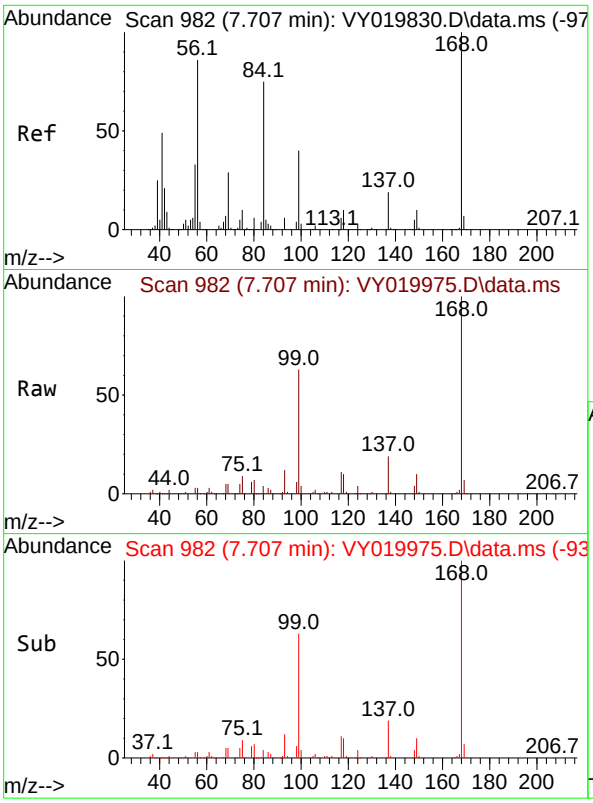
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019975.D
Acq On : 22 Oct 2024 12:49
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Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

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MSVOA_Y
ClientSampleId :
WB-303-TOP

Quant Time: Oct 23 01:27:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



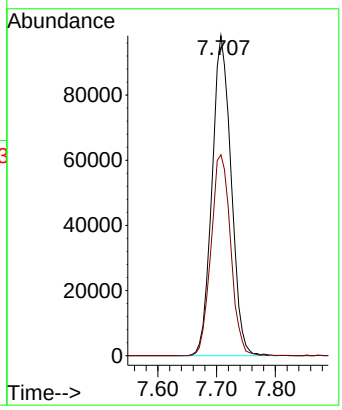


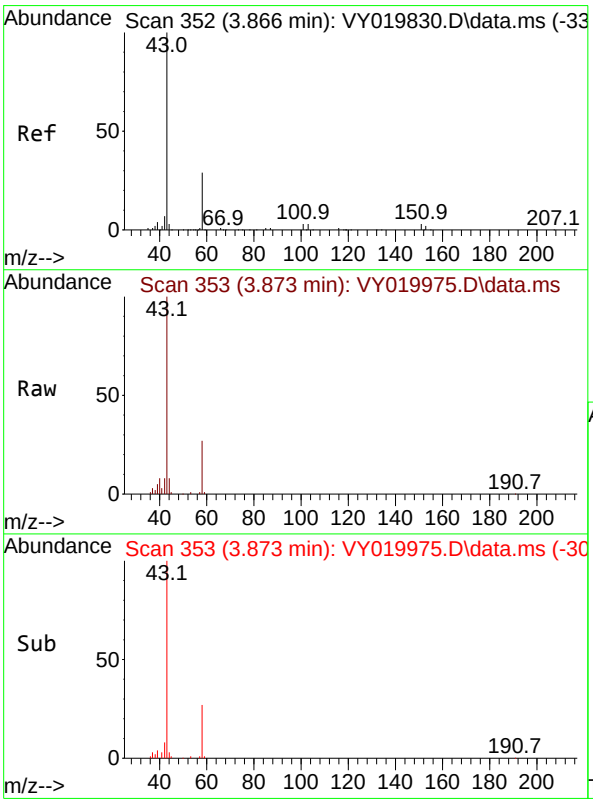
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Tgt Ion:168 Resp: 221816

Ion	Ratio	Lower	Upper
168	100		
99	62.8	39.1	58.7#

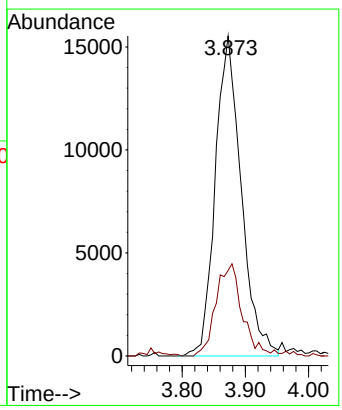


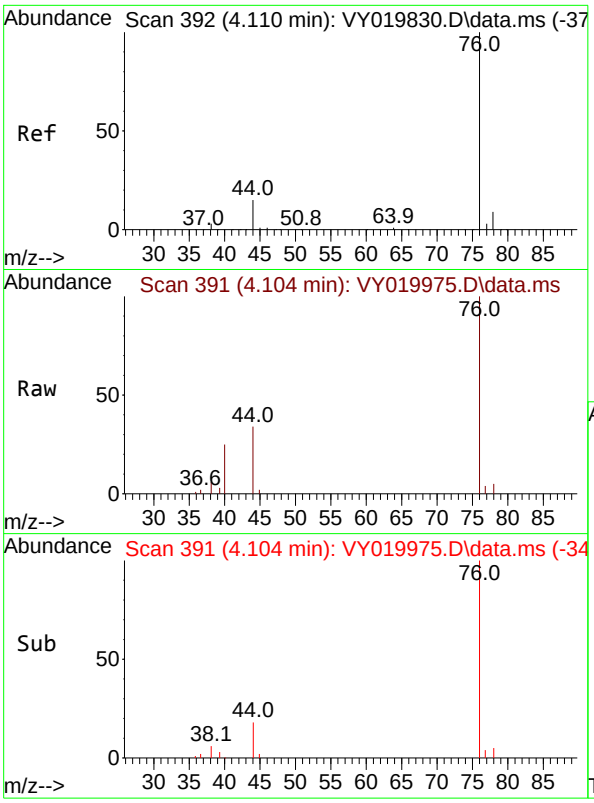


#16
Acetone
Concen: 62.141 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion: 43 Resp: 44181

Ion	Ratio	Lower	Upper
43	100		
58	26.3	31.7	47.5#



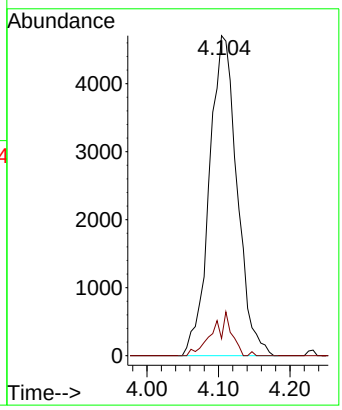


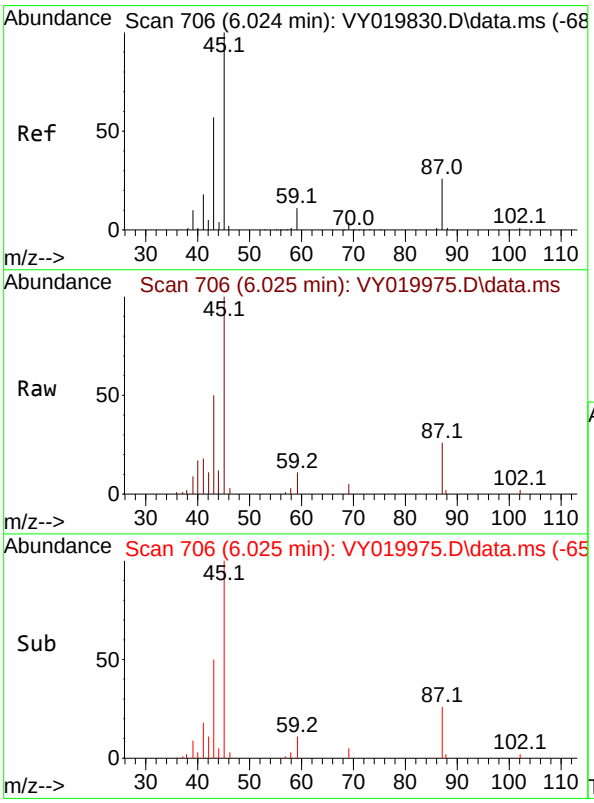
#17
Carbon Disulfide
Concen: 1.989 ug/l
RT: 4.104 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Tgt Ion: 76 Resp: 12686

Ion	Ratio	Lower	Upper
76	100		
78	5.4	6.8	10.2#

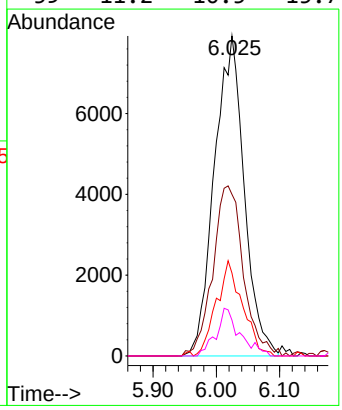


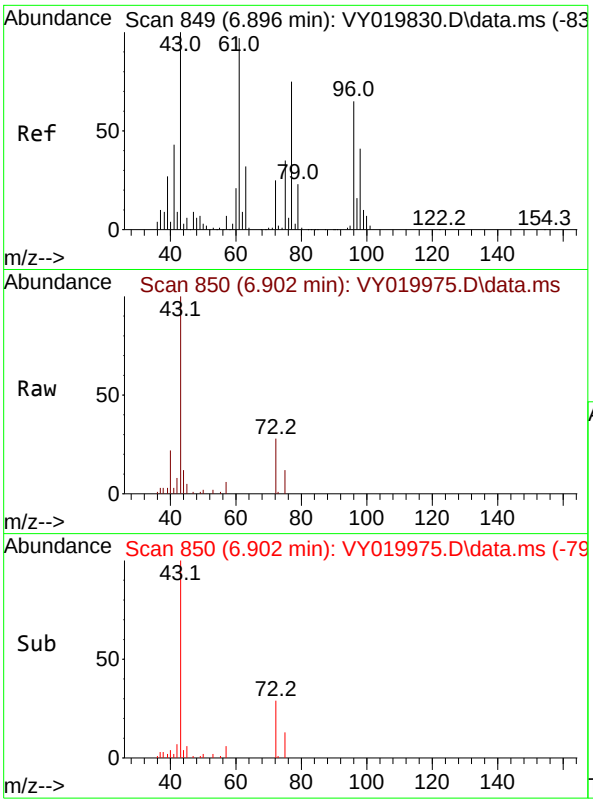


#22
Diisopropyl ether
Concen: 2.769 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion: 45 Resp: 25898

Ion	Ratio	Lower	Upper
45	100		
43	50.5	42.2	63.2
87	25.9	25.0	37.6
59	11.2	10.5	15.7



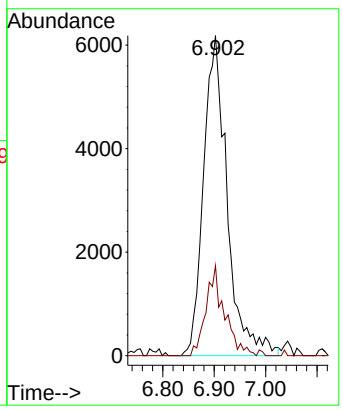


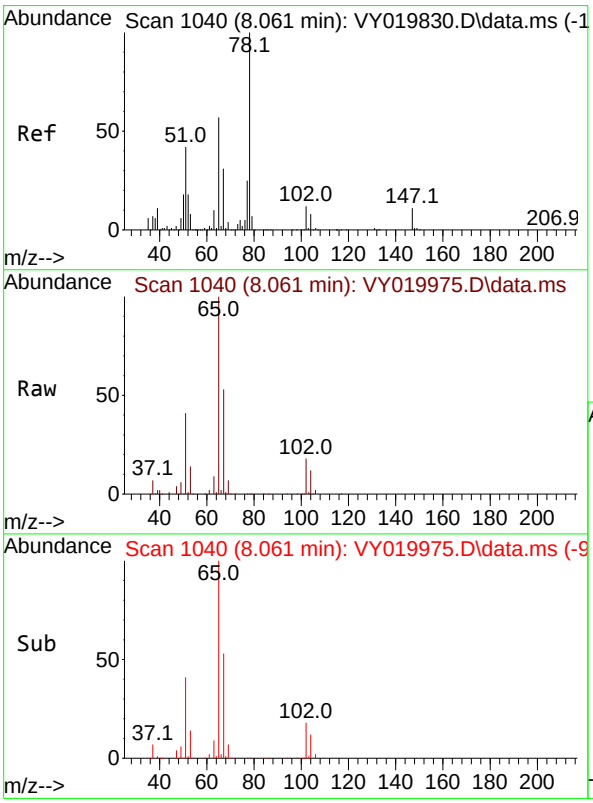
#25
2-Butanone
Concen: 20.722 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Tgt Ion: 43 Resp: 19720

Ion	Ratio	Lower	Upper
43	100		
72	28.2	27.3	40.9

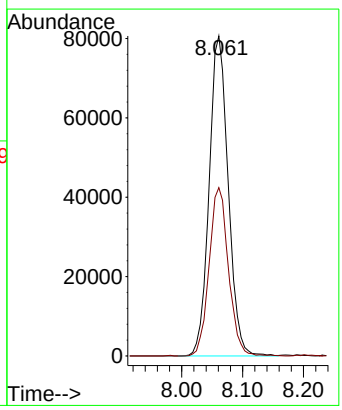




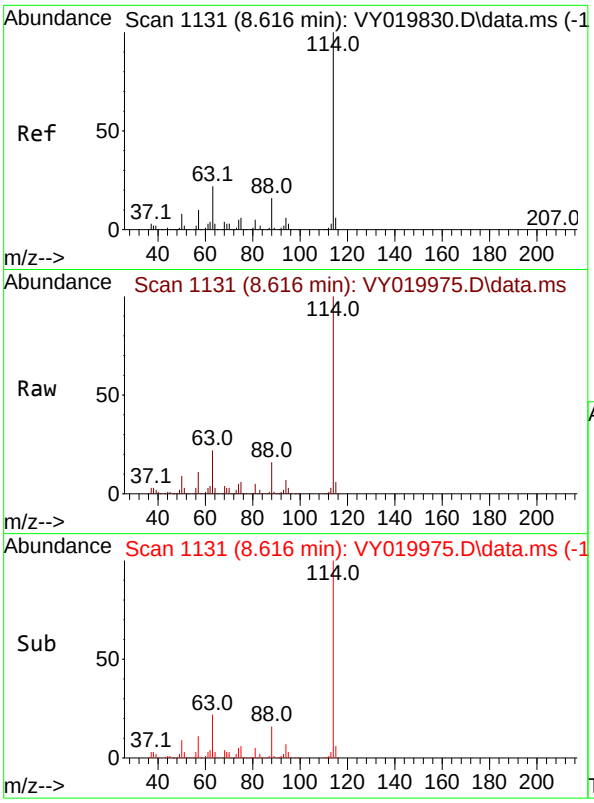
#33
1,2-Dichloroethane-d4
Concen: 64.132 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion: 65 Resp: 175159

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	109.6



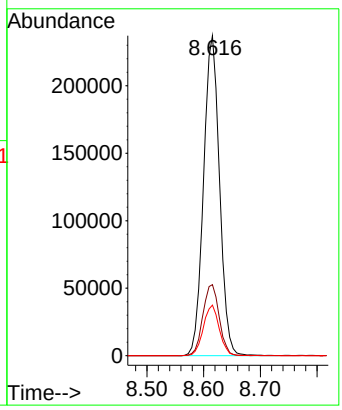
Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

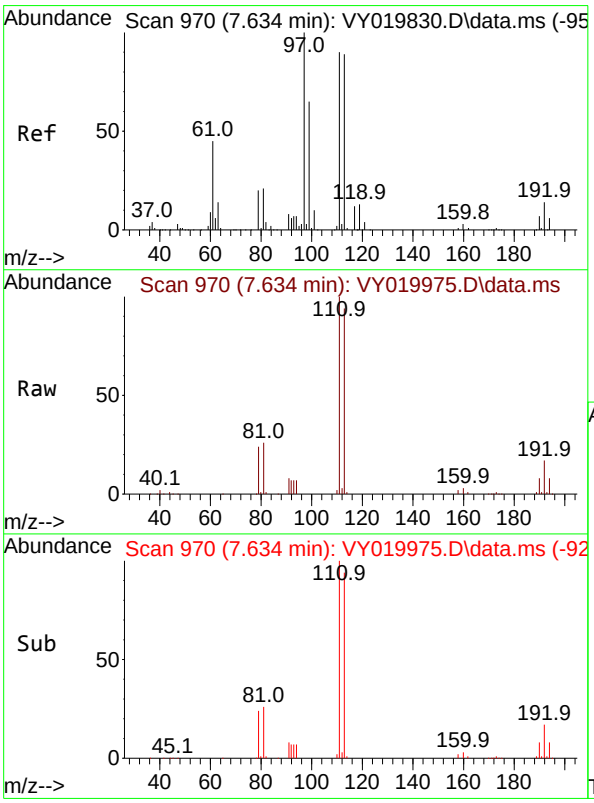


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion:114 Resp: 464225

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	35.0
88	15.8	0.0	27.2

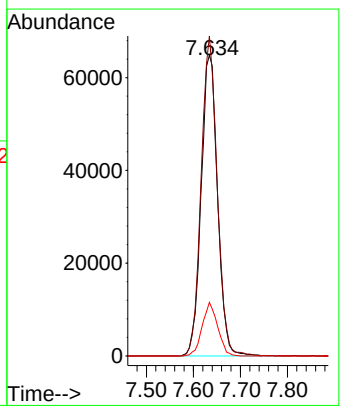


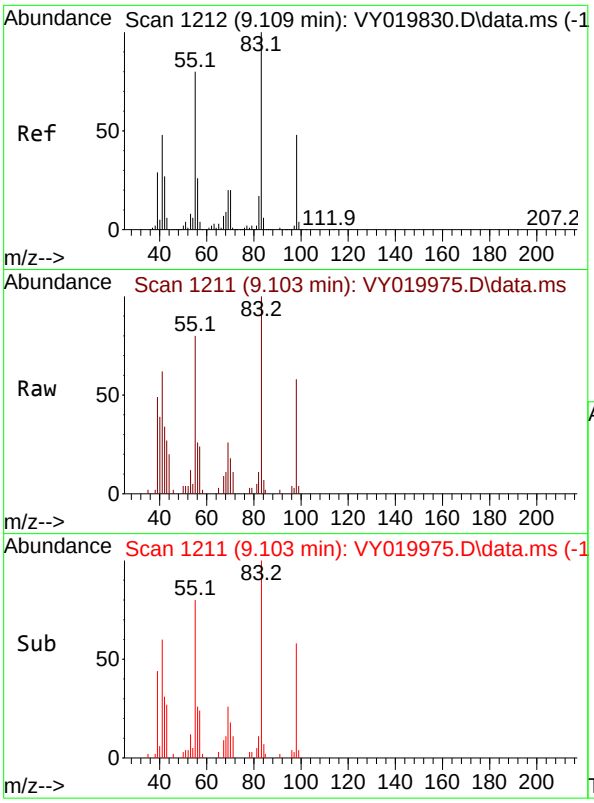


#35
Dibromofluoromethane
Concen: 51.223 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion:113 Resp: 156915

Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.2	123.4
192	16.8	15.9	23.9



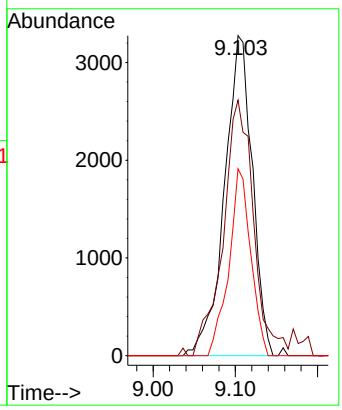


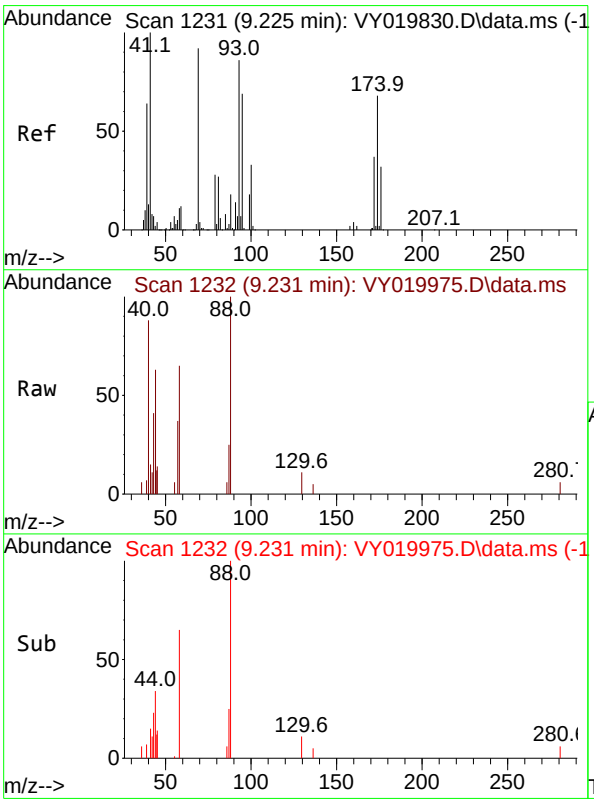
#39
Methylcyclohexane
Concen: 1.386 ug/l
RT: 9.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Tgt Ion: 83 Resp: 7705

Ion	Ratio	Lower	Upper
83	100		
55	79.9	51.5	77.3#
98	58.4	40.5	60.7

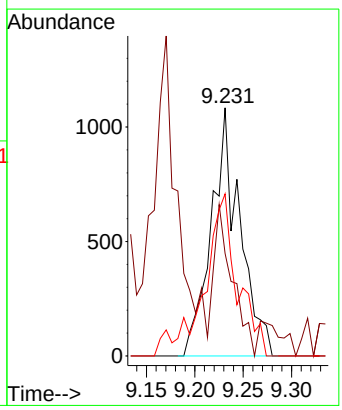


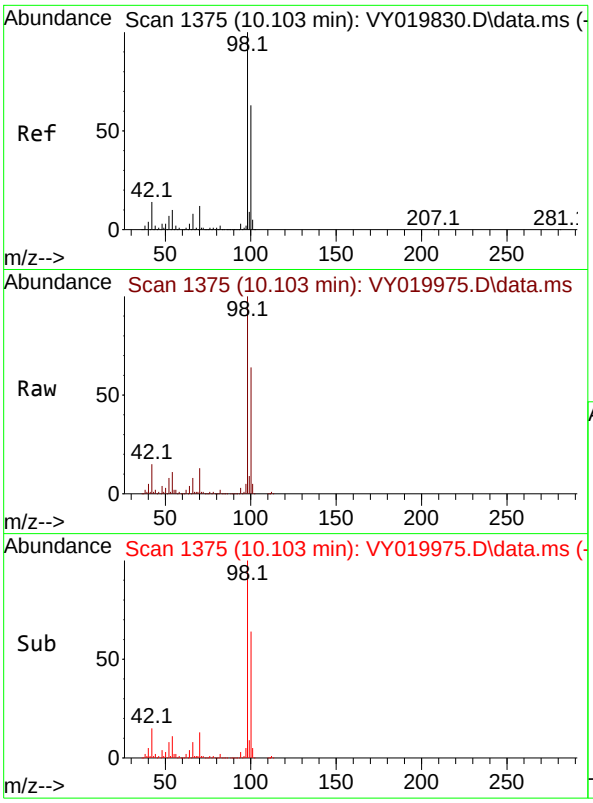


#49
1,4-Dioxane
Concen: 108.840 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion: 88 Resp: 2225

Ion	Ratio	Lower	Upper
88	100		
43	39.5	0.0	0.0#
58	72.1	49.3	73.9



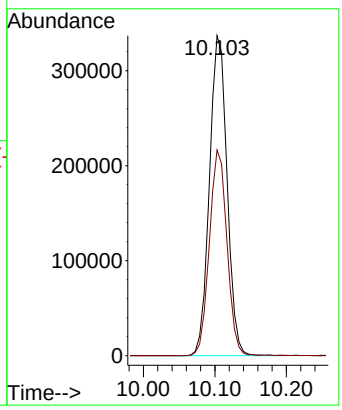


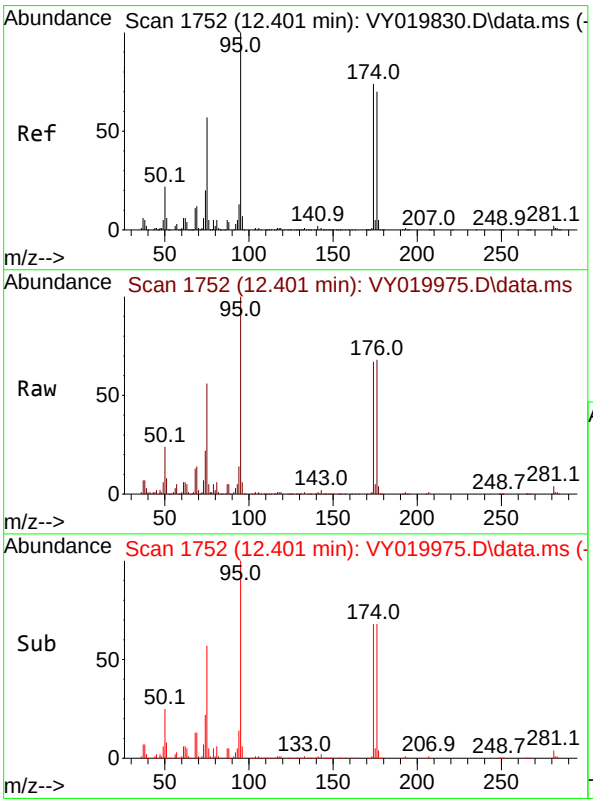
#50
Toluene-d8
Concen: 50.904 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Tgt Ion: 98 Resp: 575855

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0

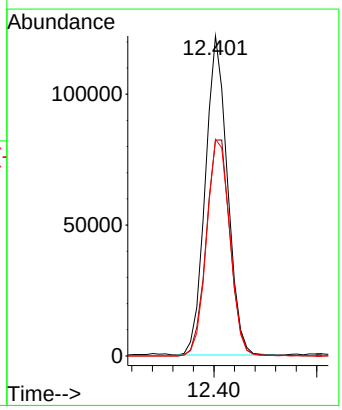


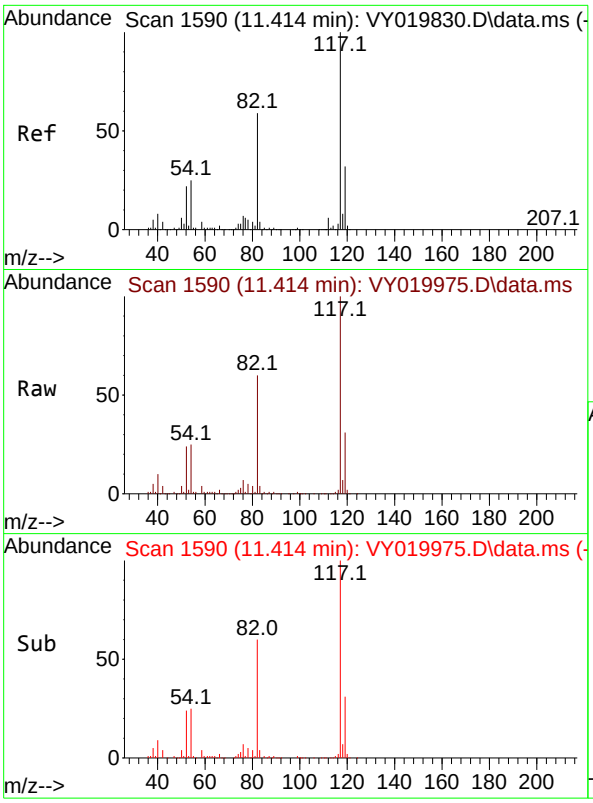


#62
4-Bromofluorobenzene
Concen: 44.554 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion: 95 Resp: 182120

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	175.6
176	71.2	0.0	171.4



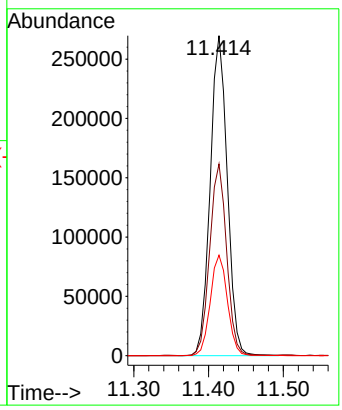


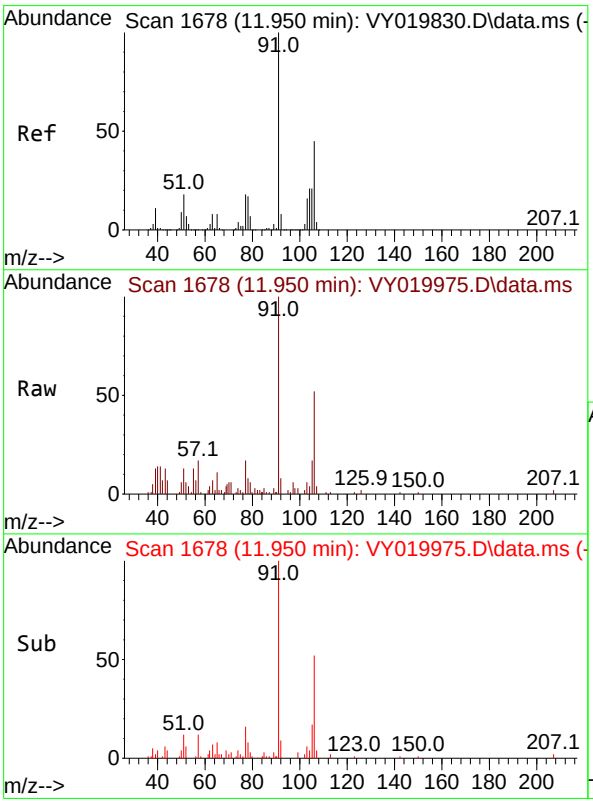
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Tgt Ion:117 Resp: 428467

Ion	Ratio	Lower	Upper
117	100		
82	59.8	42.4	63.6
119	31.4	25.9	38.9

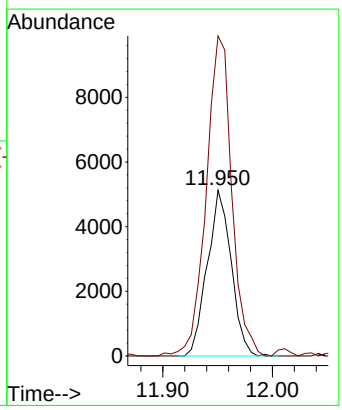


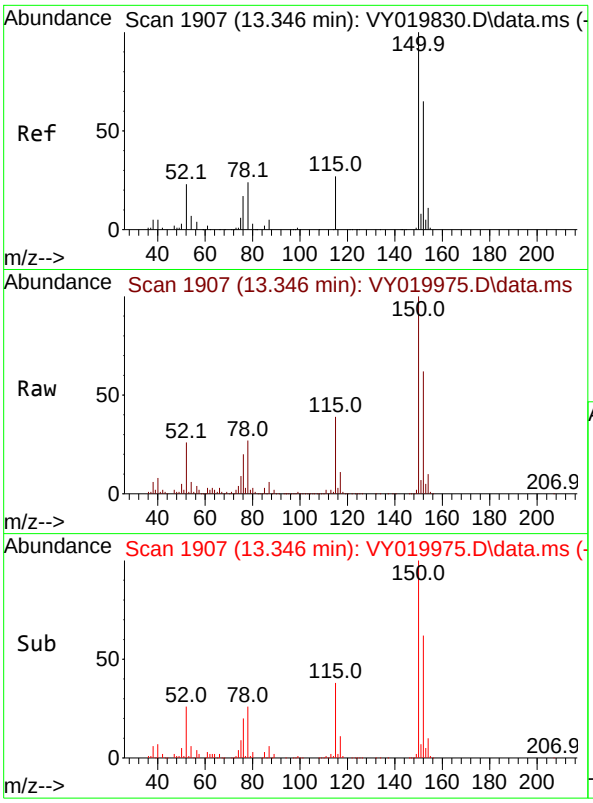


#69
o-Xylene
Concen: 1.231 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion:106 Resp: 7778

Ion	Ratio	Lower	Upper
106	100		
91	206.5	103.6	310.8



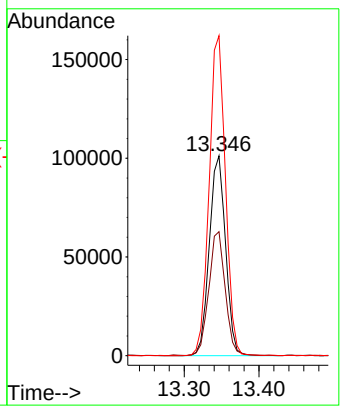


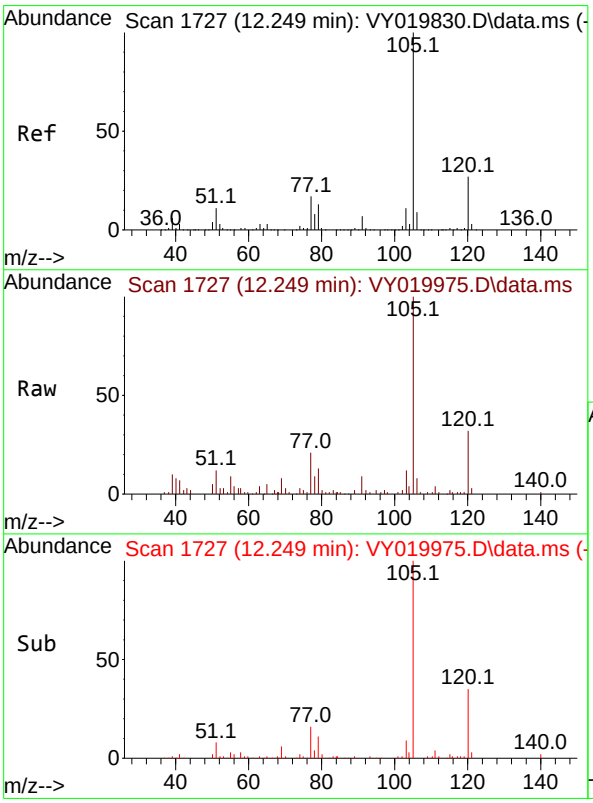
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Tgt Ion:152 Resp: 153318

Ion	Ratio	Lower	Upper
152	100		
115	62.5	28.2	84.7
150	159.9	0.0	345.6

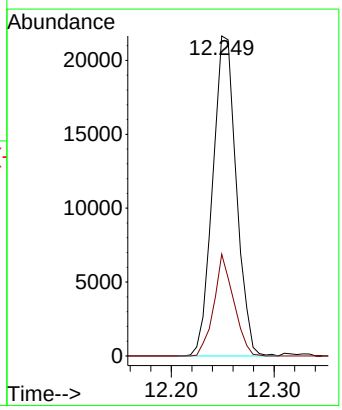


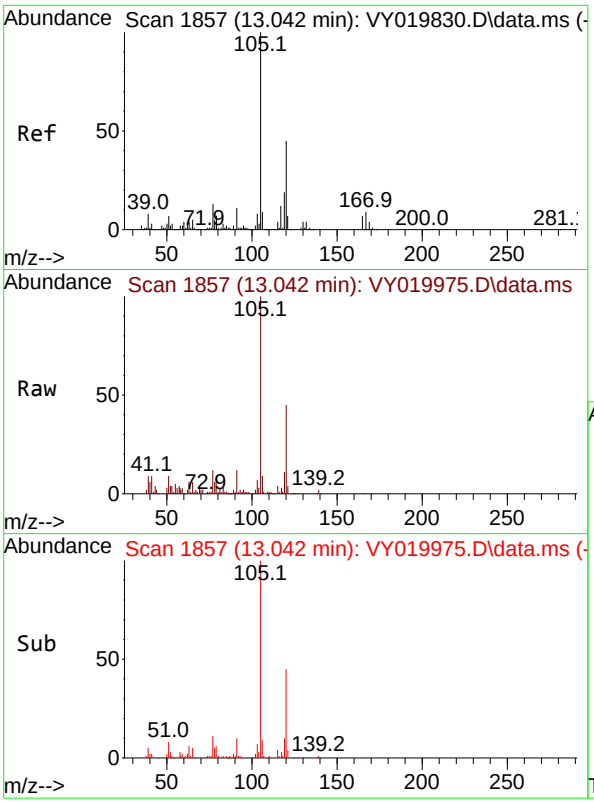


#73
Isopropylbenzene
Concen: 2.678 ug/l
RT: 12.249 min Scan# 1727
Delta R.T. -0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion:105 Resp: 34537

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.1



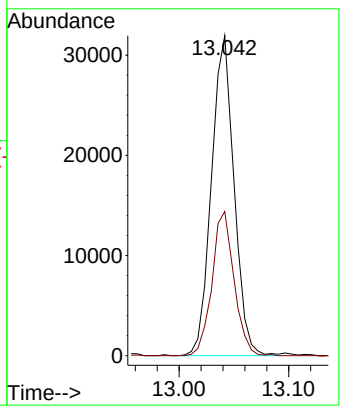


#84
1,2,4-Trimethylbenzene
Concen: 4.428 ug/l
RT: 13.042 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Tgt Ion:105 Resp: 45726

Ion	Ratio	Lower	Upper
105	100		
120	44.0	23.2	69.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019975.D
Acq On : 22 Oct 2024 12:49
Operator : SY/MD
Sample : P4460-02
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

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\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY019975.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.495	120	127	137	rBV7	5769	21964	1.31%	0.169%
2	3.873	343	353	362	rBV2	23974	70949	4.22%	0.547%
3	4.104	383	391	397	rBV3	6155	17019	1.01%	0.131%
4	4.616	463	475	484	rBV3	10552	34145	2.03%	0.263%
5	6.025	695	706	717	rVB2	19520	65754	3.91%	0.507%
6	6.902	839	850	859	rBV2	11550	35381	2.10%	0.273%
7	7.634	960	970	976	rBV2	225032	542108	32.22%	4.177%
8	7.707	976	982	992	rVB	319843	726836	43.20%	5.601%
9	8.061	1032	1040	1051	rBV	231090	503972	29.95%	3.883%
10	8.616	1122	1131	1145	rBV	586647	1162048	69.06%	8.954%
11	9.109	1201	1212	1218	rBV5	21382	54007	3.21%	0.416%
12	9.884	1330	1339	1342	rBV7	8172	23185	1.38%	0.179%
13	10.103	1368	1375	1390	rBV	965299	1682658	100.00%	12.966%
14	10.408	1415	1425	1427	rBV7	9235	18957	1.13%	0.146%
15	10.444	1427	1431	1437	rVB3	16830	28652	1.70%	0.221%
16	10.542	1443	1447	1452	rVB4	10587	18286	1.09%	0.141%
17	10.640	1459	1463	1468	rVB	11884	17877	1.06%	0.138%
18	10.731	1472	1478	1483	rVB2	26248	45192	2.69%	0.348%
19	10.829	1485	1494	1502	rBV4	22321	62646	3.72%	0.483%
20	10.963	1511	1516	1520	rVB	20103	29615	1.76%	0.228%
21	11.011	1520	1524	1531	rVB2	33817	57710	3.43%	0.445%
22	11.127	1537	1543	1547	rBV4	21806	38708	2.30%	0.298%
23	11.200	1547	1555	1567	rVB7	27701	95251	5.66%	0.734%
24	11.304	1567	1572	1581	rBV	30817	56464	3.36%	0.435%
25	11.414	1583	1590	1601	rBV	894918	1438660	85.50%	11.086%
26	11.609	1616	1622	1625	rVV6	13124	35376	2.10%	0.273%
27	11.664	1626	1631	1635	rVV2	26995	56332	3.35%	0.434%
28	11.700	1635	1637	1643	rVB2	15282	22939	1.36%	0.177%
29	11.950	1667	1678	1685	rBV5	38647	129739	7.71%	1.000%
30	12.048	1690	1694	1698	rVB	33564	48333	2.87%	0.372%
31	12.121	1698	1706	1708	rBV6	24012	48098	2.86%	0.371%
32	12.164	1708	1713	1718	rVB3	51793	101046	6.01%	0.779%
33	12.249	1723	1727	1732	rVV	60669	100385	5.97%	0.774%
34	12.298	1732	1735	1739	rVV5	20284	42373	2.52%	0.327%
35	12.334	1739	1741	1746	rVB2	29490	41277	2.45%	0.318%
36	12.401	1746	1752	1762	rBV	653816	1072928	63.76%	8.268%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019975.D
Acq On : 22 Oct 2024 12:49
Operator : SY/MD
Sample : P4460-02
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

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\82Y100924S.M
Title : SW846 8260

37	12.566	1775	1779	1787	rVB7	22653	47263	2.81%	0.364%
38	12.658	1787	1794	1795	rBV5	14878	27464	1.63%	0.212%
39	12.688	1795	1799	1802	rBV	29008	46989	2.79%	0.362%
40	12.731	1802	1806	1812	rVB4	38978	72515	4.31%	0.559%
41	12.895	1825	1833	1838	rBV	102266	192282	11.43%	1.482%
42	12.962	1840	1844	1851	rVB2	41153	66163	3.93%	0.510%
43	13.042	1851	1857	1862	rBV	95395	144151	8.57%	1.111%
44	13.090	1862	1865	1869	rVB4	14111	21494	1.28%	0.166%
45	13.237	1882	1889	1893	rBV5	35788	67908	4.04%	0.523%
46	13.285	1893	1897	1900	rVV3	24858	33947	2.02%	0.262%
47	13.340	1900	1906	1918	rVB	675509	1141470	67.84%	8.796%
48	13.541	1935	1939	1944	rVB	171226	250796	14.90%	1.933%
49	13.584	1944	1946	1954	rVB3	27371	37143	2.21%	0.286%
50	13.670	1954	1960	1964	rBV5	36388	68597	4.08%	0.529%
51	13.712	1964	1967	1975	rBV7	14055	27243	1.62%	0.210%
52	13.804	1978	1982	1984	rVV2	31622	49587	2.95%	0.382%
53	13.834	1984	1987	1990	rVV	55848	76795	4.56%	0.592%
54	13.883	1990	1995	2001	rVB2	278372	450553	26.78%	3.472%
55	13.999	2008	2014	2019	rBV	123552	195555	11.62%	1.507%
56	14.127	2029	2035	2039	rBV4	34592	79123	4.70%	0.610%
57	14.188	2039	2045	2046	rVV5	18940	41257	2.45%	0.318%
58	14.249	2052	2055	2060	rVB	51392	71687	4.26%	0.552%
59	14.297	2060	2063	2066	rVV4	26895	37764	2.24%	0.291%
60	14.334	2066	2069	2072	rVV5	22539	35662	2.12%	0.275%
61	14.365	2072	2074	2081	rVB3	21930	42357	2.52%	0.326%
62	14.480	2088	2093	2098	rBV3	41654	82167	4.88%	0.633%
63	14.529	2098	2101	2105	rVB4	26481	31508	1.87%	0.243%
64	14.590	2105	2111	2117	rBV4	130567	273556	16.26%	2.108%
65	14.651	2117	2121	2128	rVV4	68429	153008	9.09%	1.179%
66	14.742	2131	2136	2141	rVV4	60310	102780	6.11%	0.792%
67	14.852	2148	2154	2159	rBV3	70051	136869	8.13%	1.055%
68	14.962	2169	2172	2177	rVB5	30918	50438	3.00%	0.389%
69	15.120	2193	2198	2205	rBV3	43662	78661	4.67%	0.606%
70	15.242	2216	2218	2223	rBV5	14236	23662	1.41%	0.182%
71	15.511	2256	2262	2267	rVB9	34709	72724	4.32%	0.560%
72	15.730	2294	2298	2302	rBV6	14447	24239	1.44%	0.187%
73	15.980	2335	2339	2345	rVB9	15309	35259	2.10%	0.272%
74	16.047	2346	2350	2355	rVB4	25972	40088	2.38%	0.309%

Sum of corrected areas: 12977594

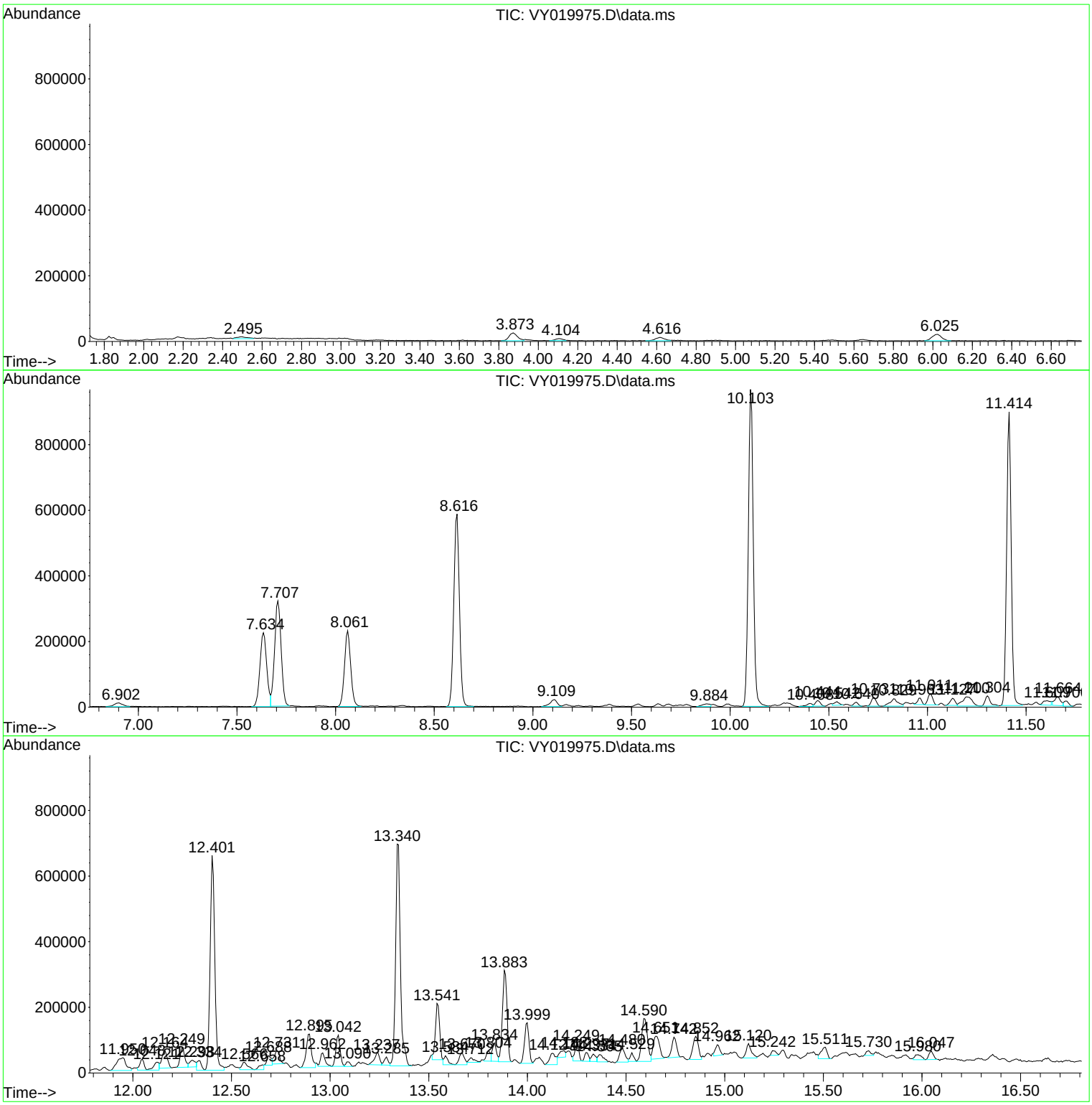
Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019975.D
Acq On : 22 Oct 2024 12:49
Operator : SY/MD
Sample : P4460-02
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019975.D
Acq On : 22 Oct 2024 12:49
Operator : SY/MD
Sample : P4460-02
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

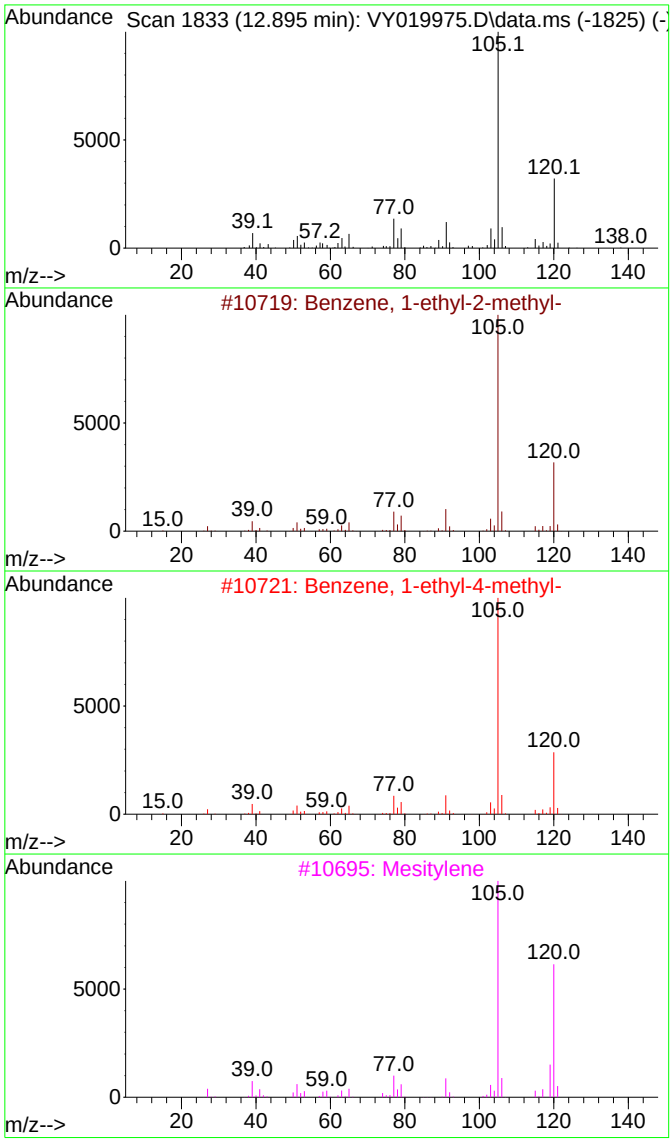
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Quant Title : SW846 8260

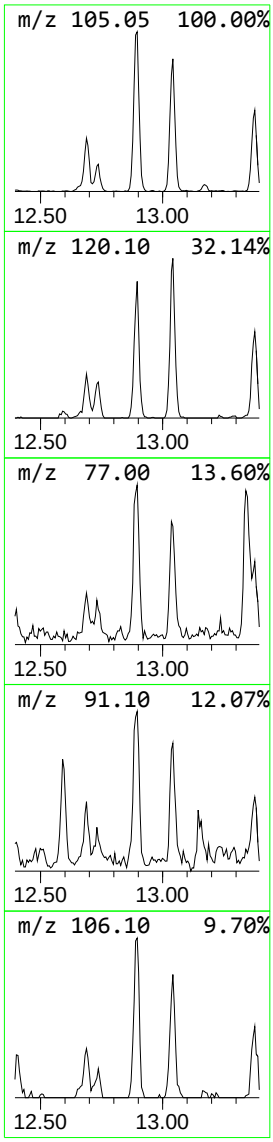
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.895	8.42 ug/l	192282	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019975.D
Acq On : 22 Oct 2024 12:49
Operator : SY/MD
Sample : P4460-02
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

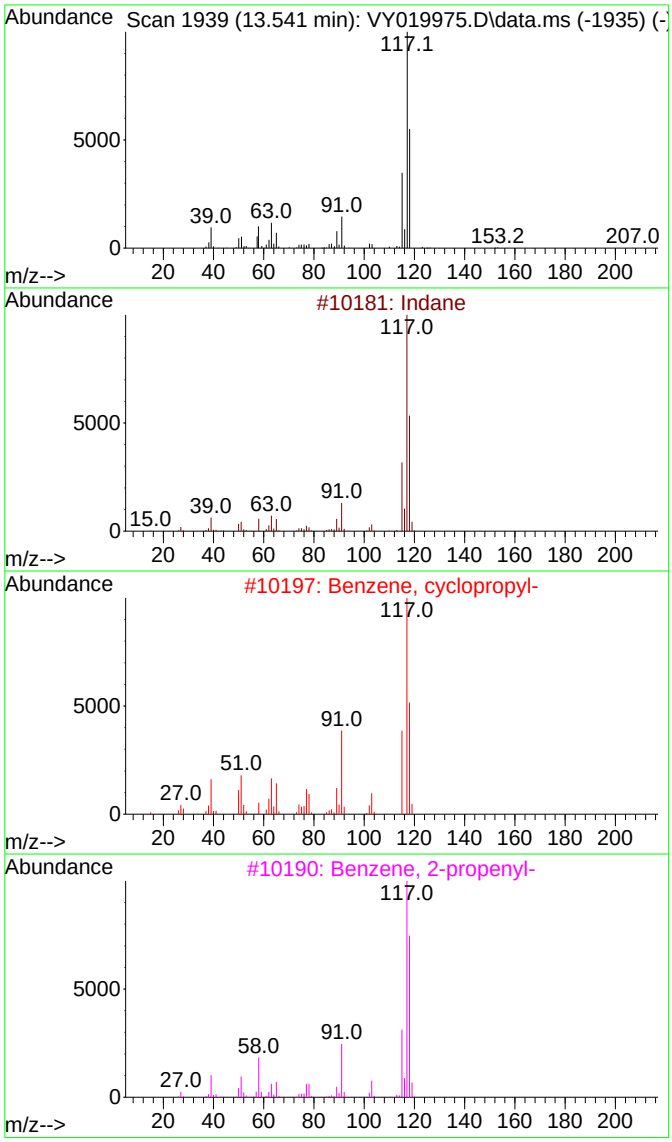
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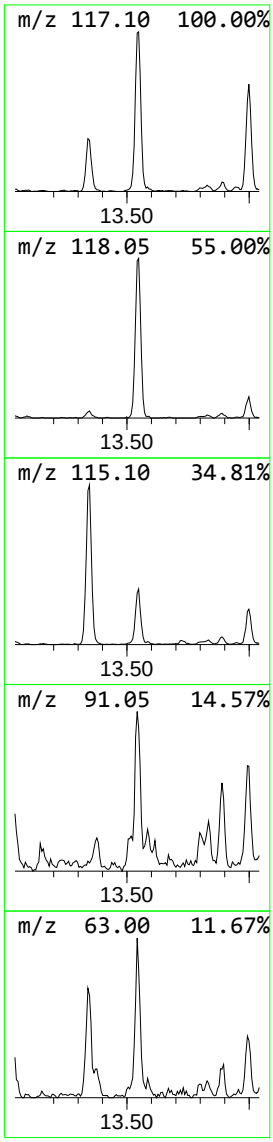
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Peak Number 2 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.541	10.99 ug/l	250796	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	59
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019975.D
Acq On : 22 Oct 2024 12:49
Operator : SY/MD
Sample : P4460-02
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

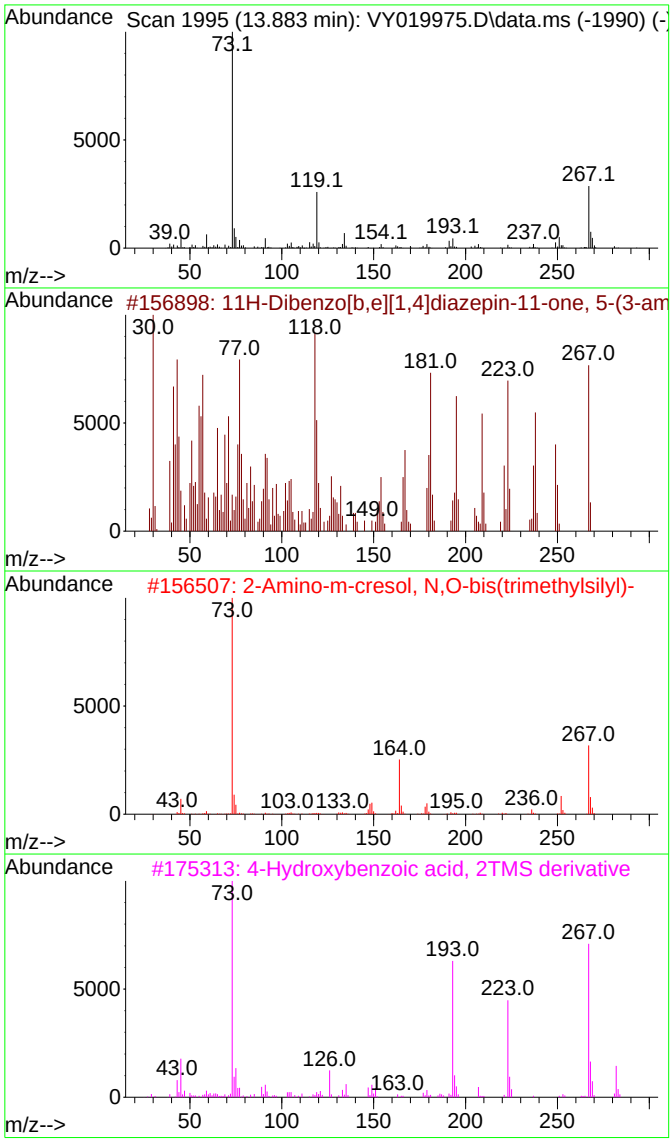
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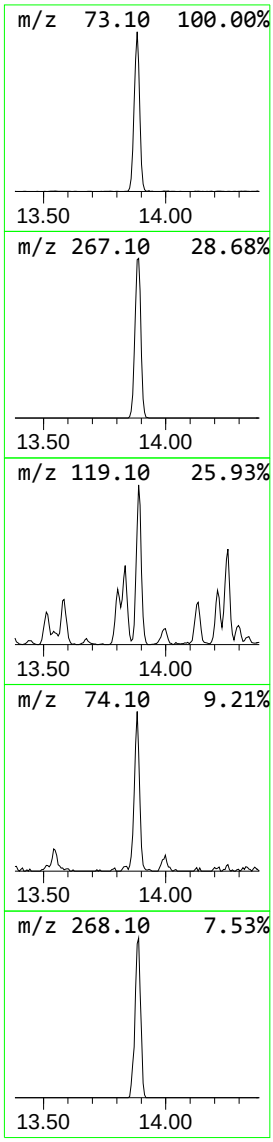
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.883	19.74 ug/l	450553	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	95
2	2-Amino-m-cresol, N,O-bis(trimet...	267	C13H25NOSi2	1000449-77-1	43
3	4-Hydroxybenzoic acid, 2TMS deri...	282	C13H22O3Si2	002078-13-9	43
4	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	38
5	Acridone, TMS derivative	267	C16H17NOSi	1000478-16-0	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019975.D
Acq On : 22 Oct 2024 12:49
Operator : SY/MD
Sample : P4460-02
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

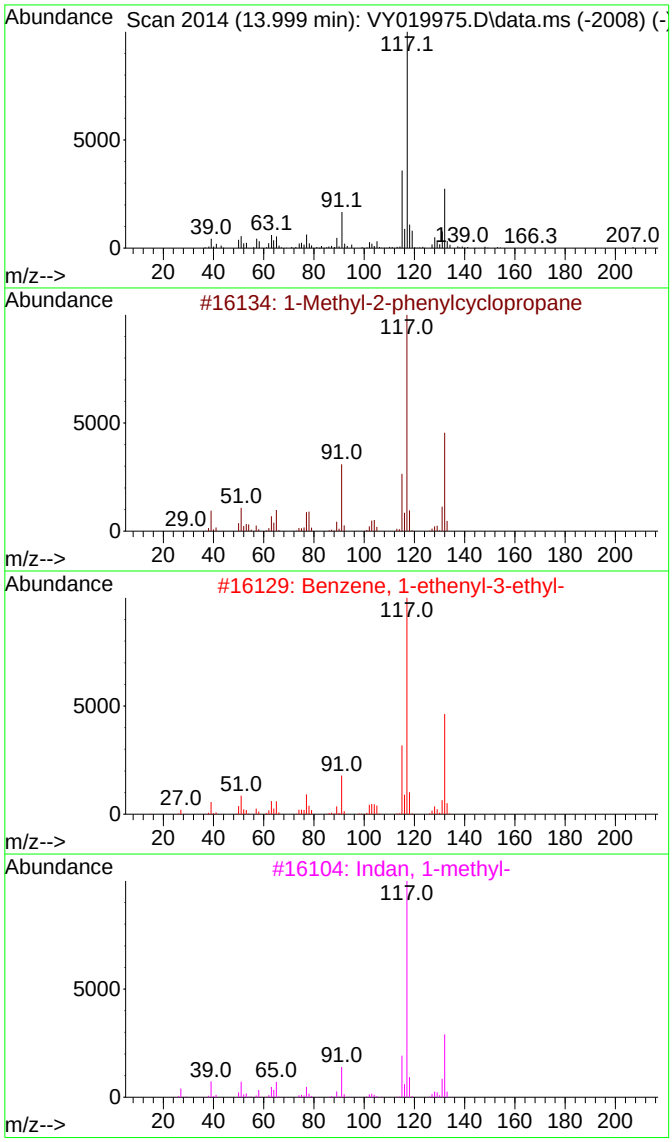
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Quant Title : SW846 8260

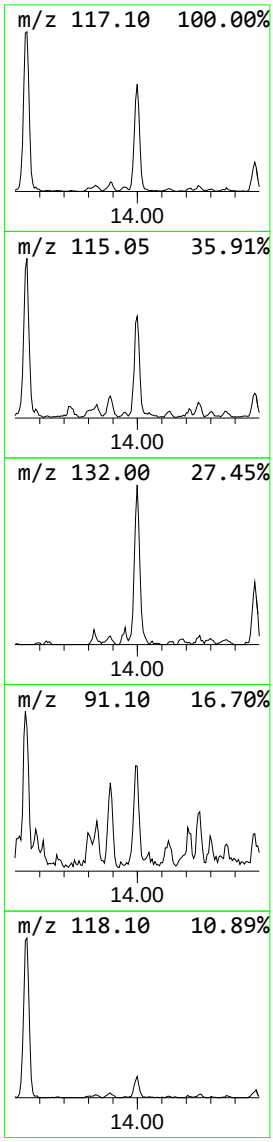
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1-Methyl-2-phenylcyclopropane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	8.57 ug/l	195555	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019975.D
Acq On : 22 Oct 2024 12:49
Operator : SY/MD
Sample : P4460-02
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

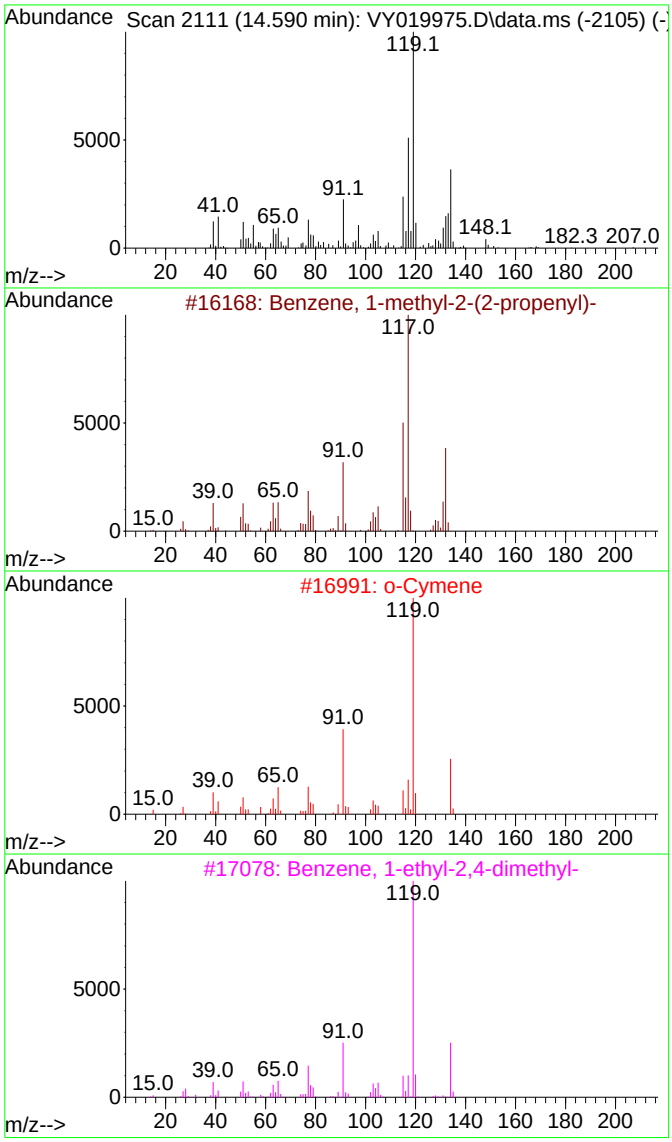
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Quant Title : SW846 8260

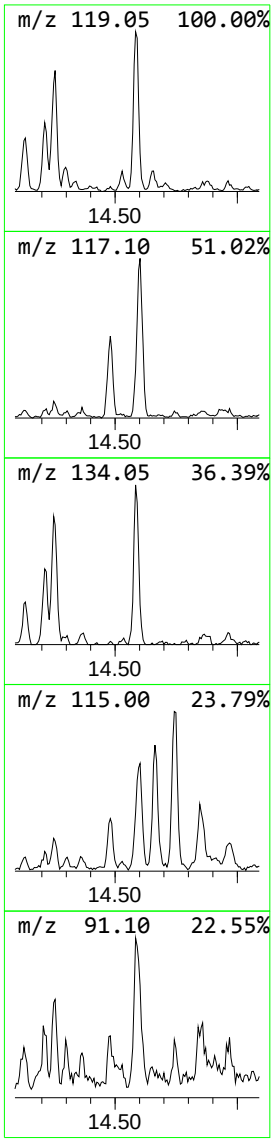
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-methyl-2-(2-prop... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.590	11.98 ug/l	273556	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
2	o-Cymene	134	C10H14	000527-84-4	55
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	55
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	55
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019975.D
Acq On : 22 Oct 2024 12:49
Operator : SY/MD
Sample : P4460-02
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

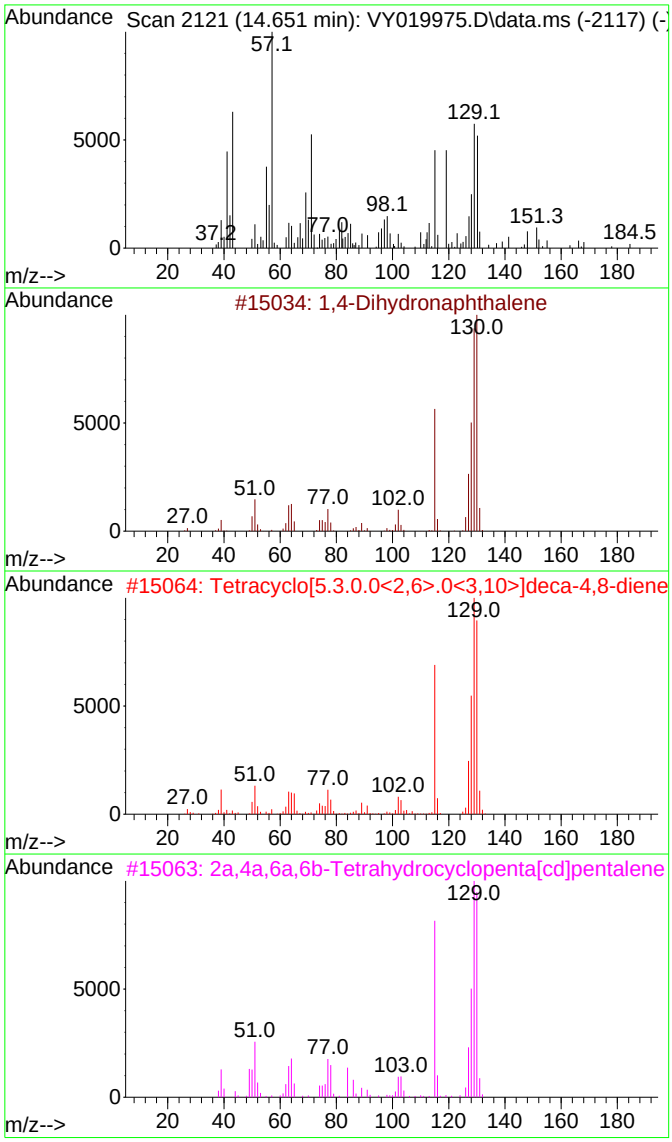
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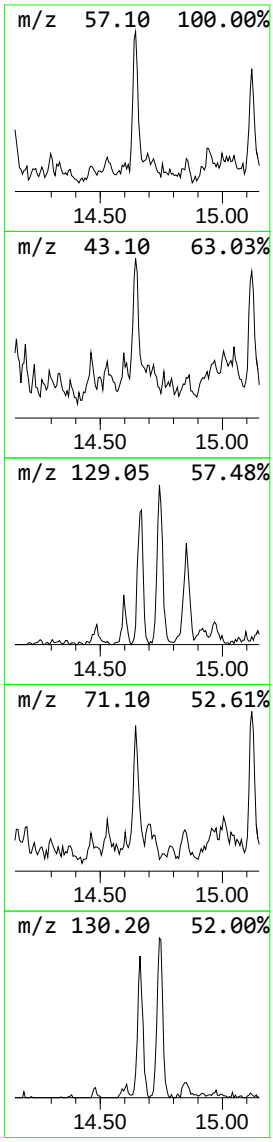
****

Peak Number 6 1,4-Dihydronaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	6.70 ug/l	153008	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	70
2	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	62
3	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	46
4	Benzene, (cyclopropylidenemethyl)-	130	C10H10	007555-67-1	46
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019975.D
Acq On : 22 Oct 2024 12:49
Operator : SY/MD
Sample : P4460-02
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

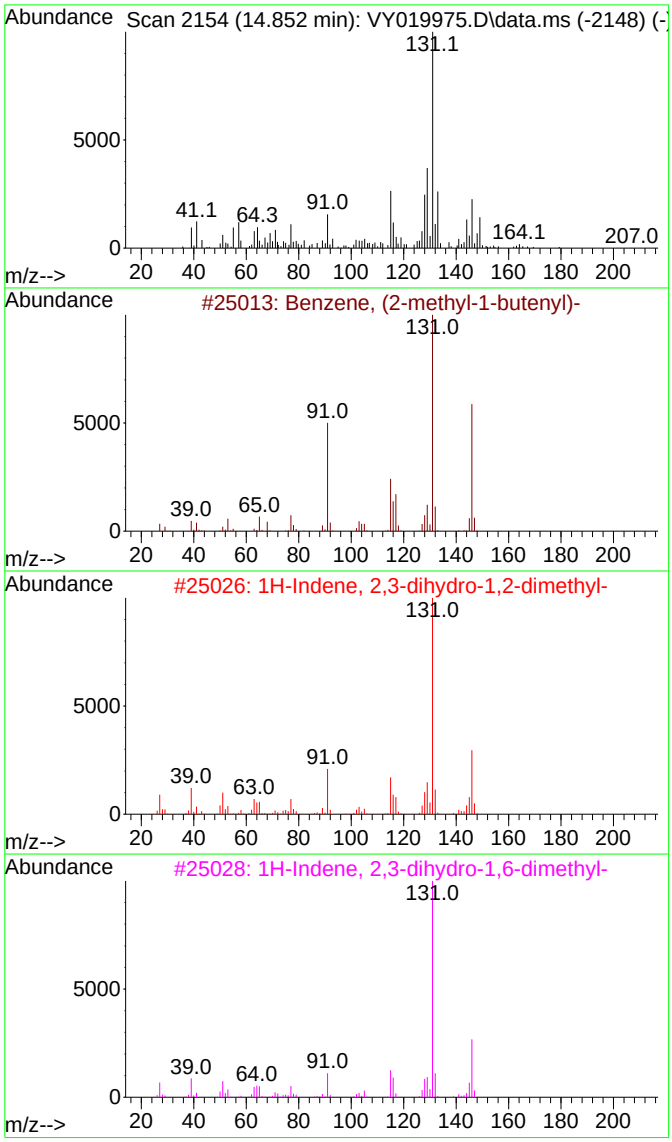
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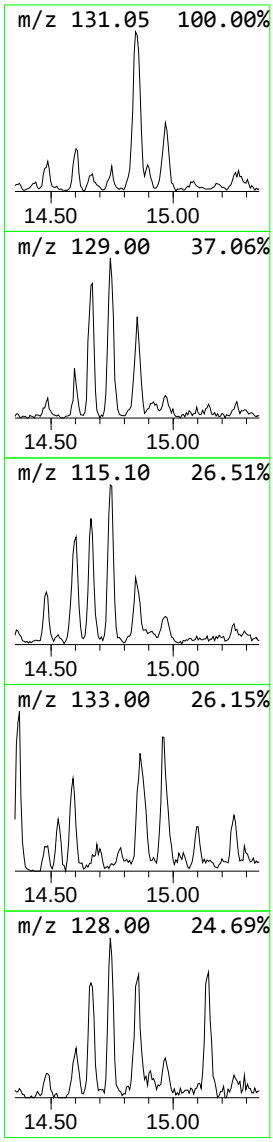
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, (2-methyl-1-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.852	6.00 ug/l	136869	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	62
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	62
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	58
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019975.D
Acq On : 22 Oct 2024 12:49
Operator : SY/MD
Sample : P4460-02
Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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
Benzene, 1-ethy...	12.895	8.4	ug/l	192282	4	13.346	1141470	50.0
Indane	13.541	11.0	ug/l	250796	4	13.346	1141470	50.0
11H-Dibenzo[b,e...	13.883	19.7	ug/l	450553	4	13.346	1141470	50.0
1-Methyl-2-phen...	13.999	8.6	ug/l	195555	4	13.346	1141470	50.0
Benzene, 1-meth...	14.590	12.0	ug/l	273556	4	13.346	1141470	50.0
1,4-Dihydronaph...	14.651	6.7	ug/l	153008	4	13.346	1141470	50.0
Benzene, (2-met...	14.852	6.0	ug/l	136869	4	13.346	1141470	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019973.D
Acq On : 22 Oct 2024 12:02
Operator : SY/MD
Sample : P4460-03
Misc : 7.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 01:26:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-BOT

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	206651	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	420505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	379777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	134149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159854	62.824	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.640%			
35) Dibromofluoromethane	7.634	113	142904	51.499	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.000%			
50) Toluene-d8	10.103	98	519962	50.742	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.402	95	159770	43.150	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 86.300%			
Target Compounds						Qvalue
16) Acetone	3.879	43	8667	13.085	ug/l	# 73
20) Methylene Chloride	4.616	84	10250	3.437	ug/l	# 82
22) Diisopropyl ether	6.025	45	19096	2.192	ug/l	# 94
49) 1,4-Dioxane	9.244	88	1399m	75.550	ug/l	

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

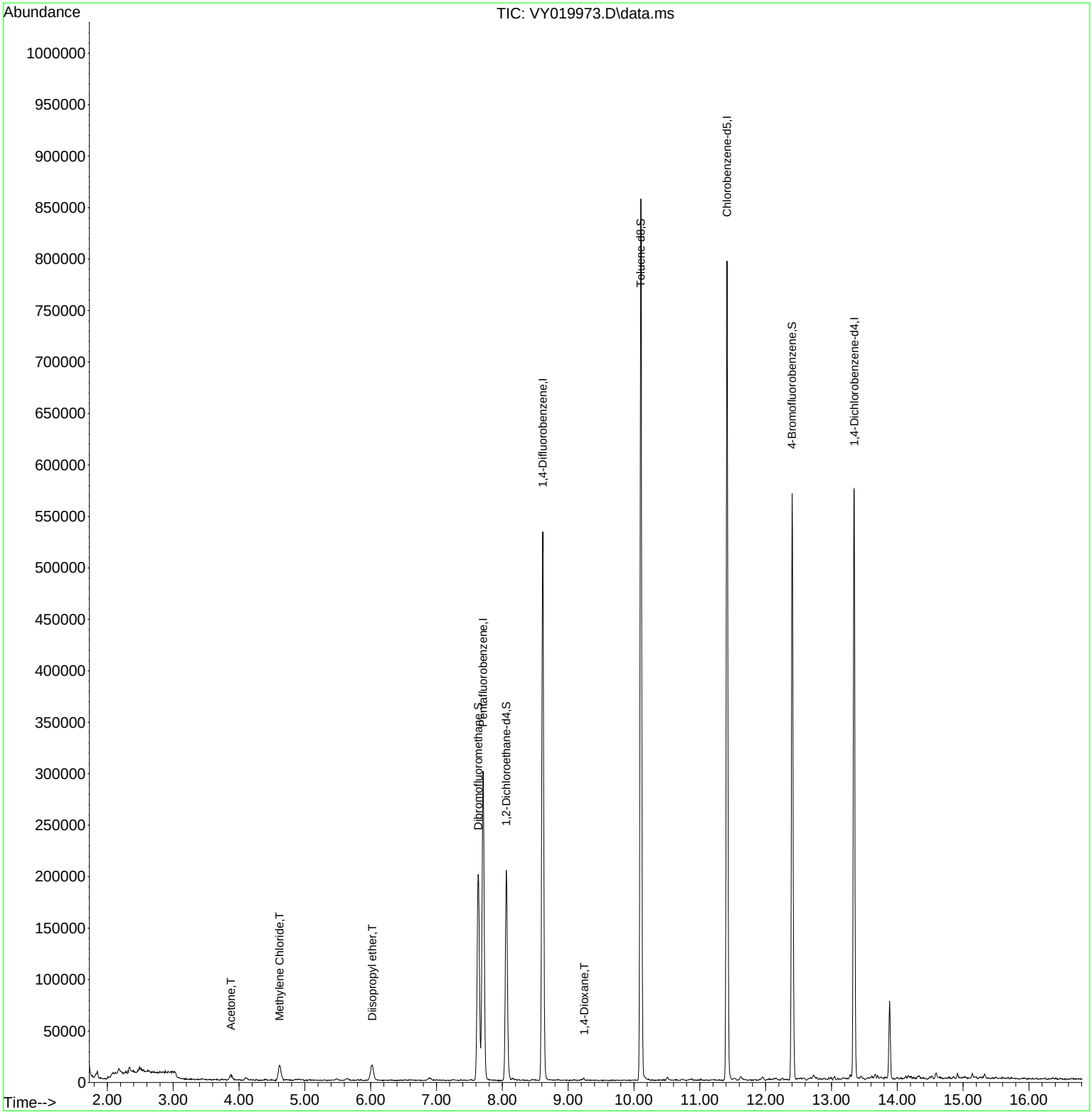
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Acq On : 22 Oct 2024 12:02
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Sample : P4460-03
Misc : 7.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

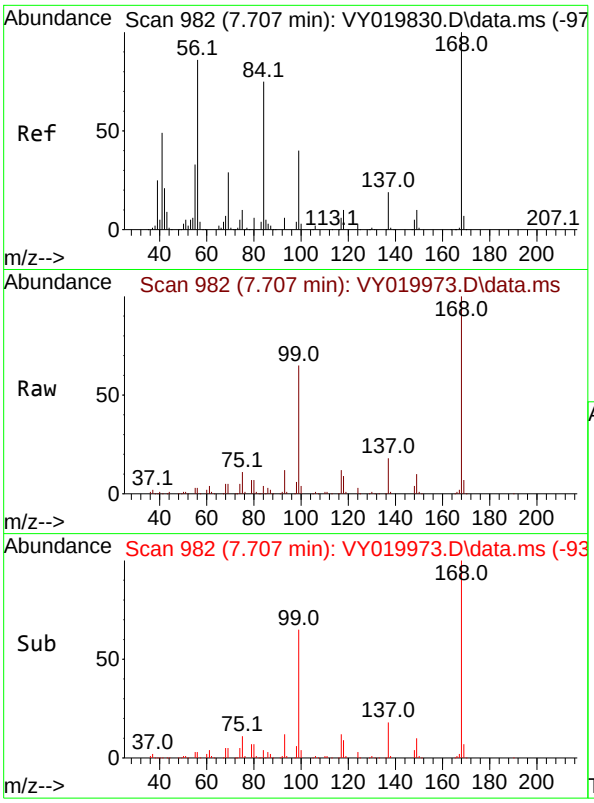
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-BOT

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

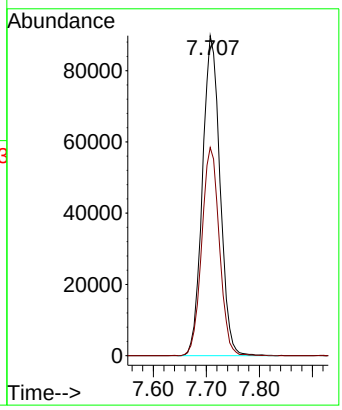
Tgt Ion:168 Resp: 20665

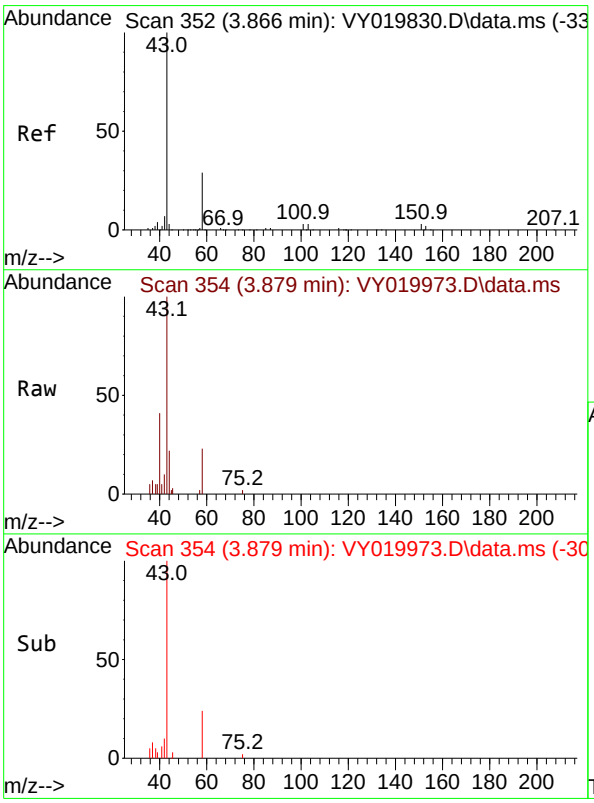
Ion	Ratio	Lower	Upper
168	100		
99	65.1	39.1	58.7#

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-BOT

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

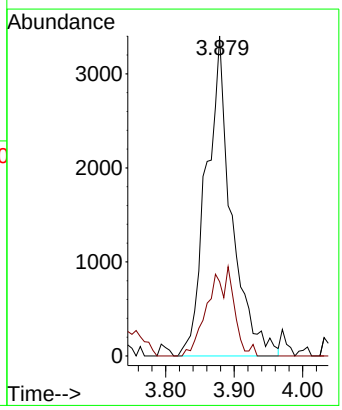


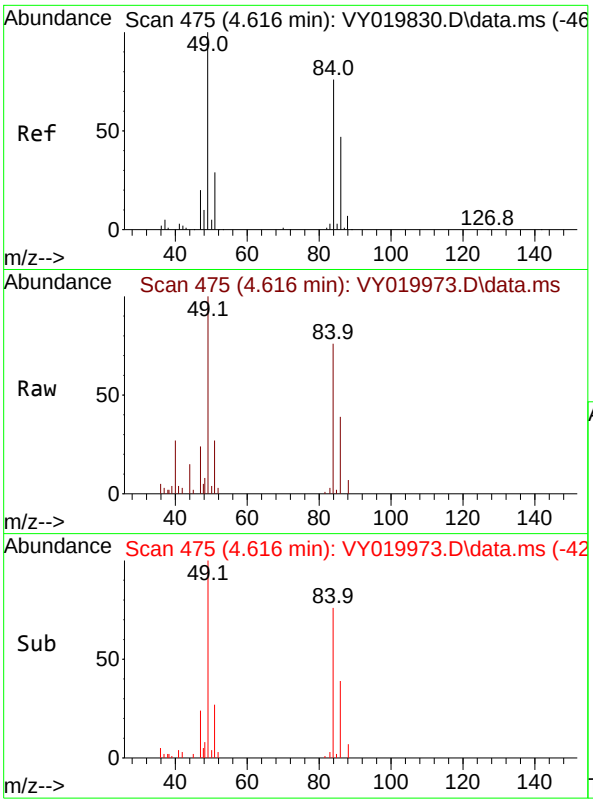


#16
Acetone
Concen: 13.085 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.007 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

Tgt Ion: 43 Resp: 8667

Ion	Ratio	Lower	Upper
43	100		
58	23.2	31.7	47.5#

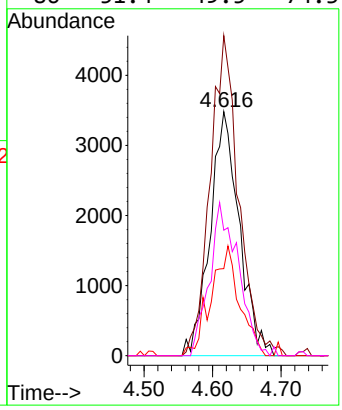




#20
Methylene Chloride
Concen: 3.437 ug/l
RT: 4.616 min Scan# 4
Delta R.T. 0.000 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

Tgt Ion: 84 Resp: 1025

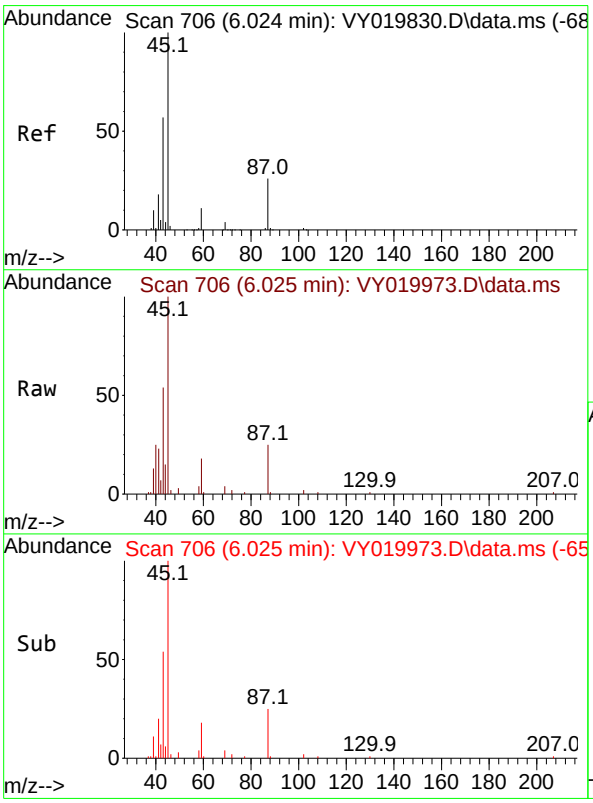
Ion	Ratio	Lower	Upper
84	100		
49	131.2	84.4	126.6#
51	35.7	26.0	39.0
86	51.4	49.5	74.3



Instrument :
MSVOA_Y
ClientSampleId :
WB-303-BOT

Manual Integrations
APPROVED

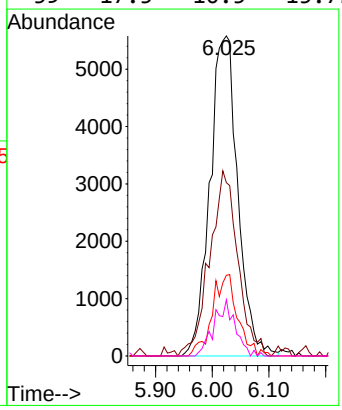
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

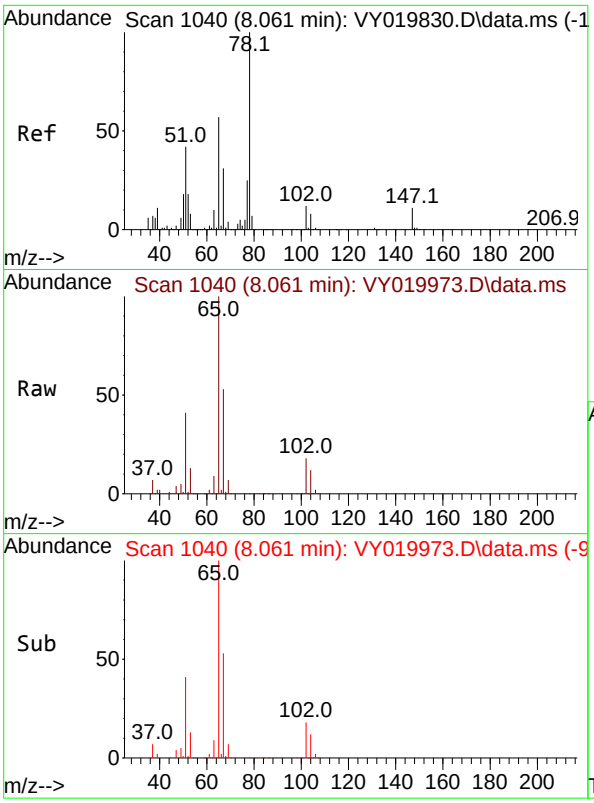


#22
Diisopropyl ether
Concen: 2.192 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.007 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

Tgt Ion: 45 Resp: 19096

Ion	Ratio	Lower	Upper
45	100		
43	54.1	42.2	63.2
87	25.2	25.0	37.6
59	17.5	10.5	15.7#

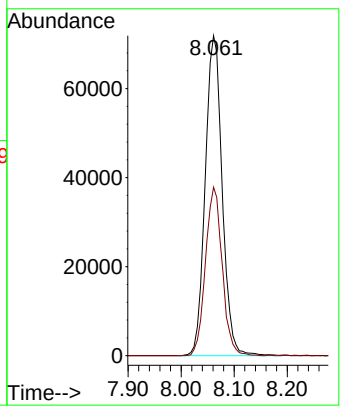




#33
1,2-Dichloroethane-d4
Concen: 62.824 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

Tgt Ion: 65 Resp: 15985

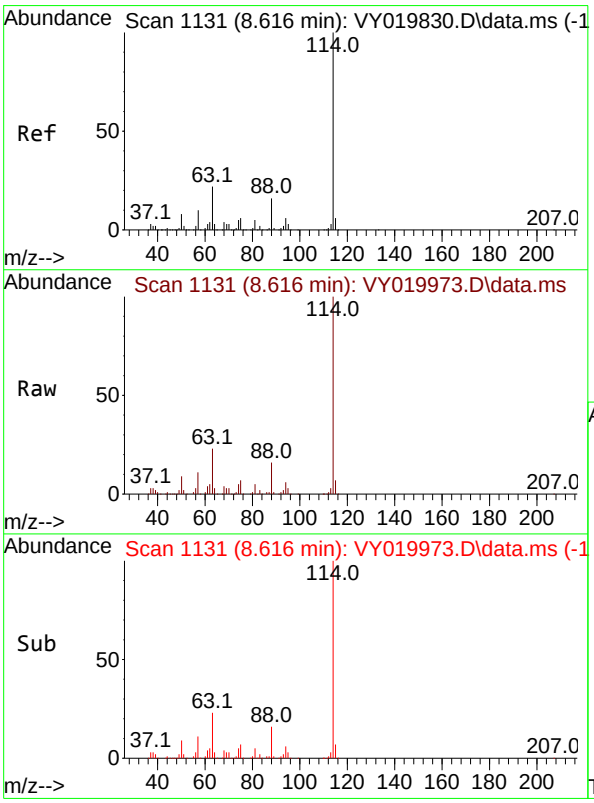
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	109.6



Instrument :
MSVOA_Y
ClientSampleId :
WB-303-BOT

Manual Integrations
APPROVED

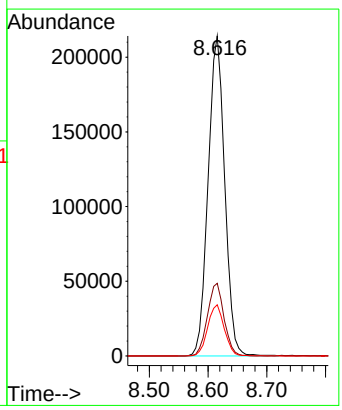
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

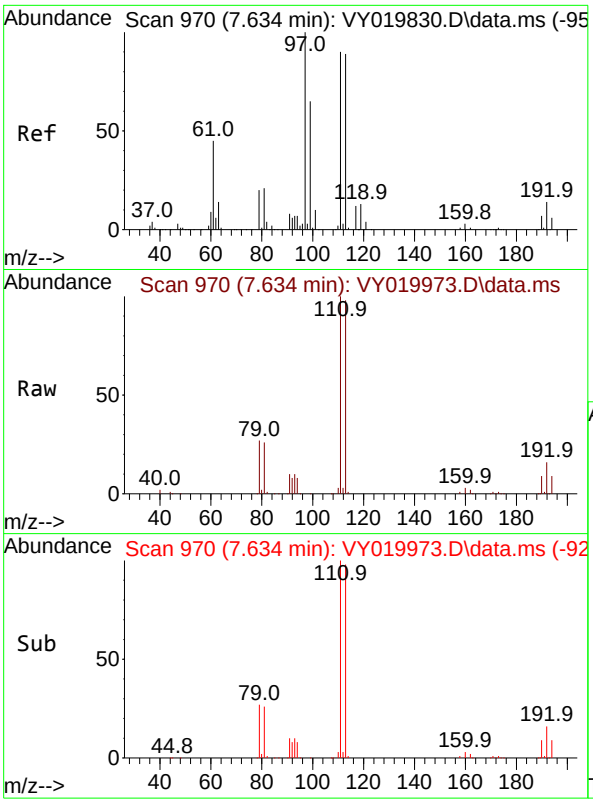


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

Tgt Ion:114 Resp: 420505

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	35.0
88	16.0	0.0	27.2





#35
Dibromofluoromethane
Concen: 51.499 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

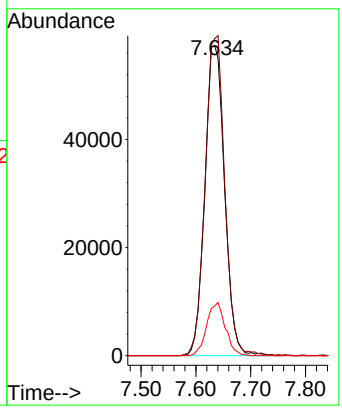
Tgt Ion:113 Resp: 14290

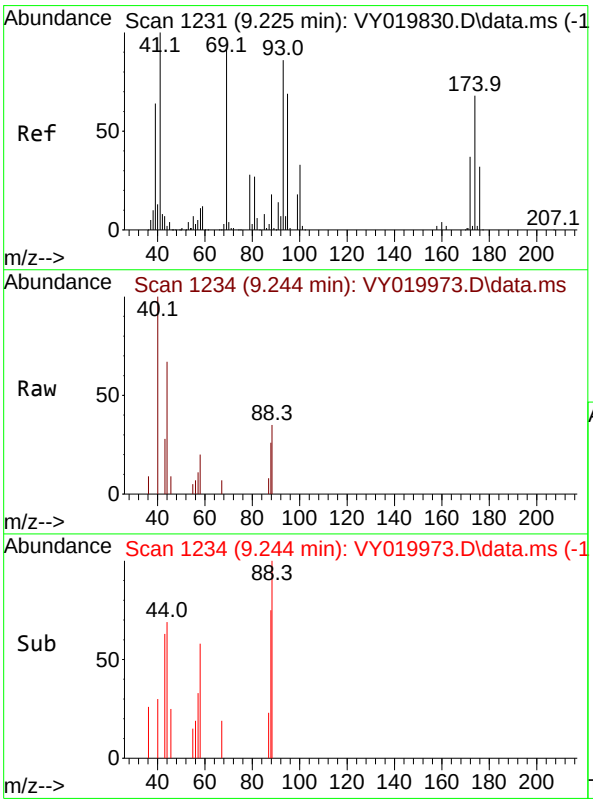
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	16.3	15.9	23.9

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-BOT

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

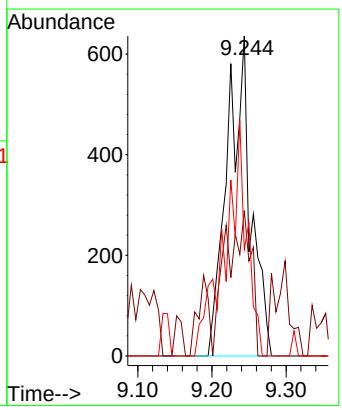


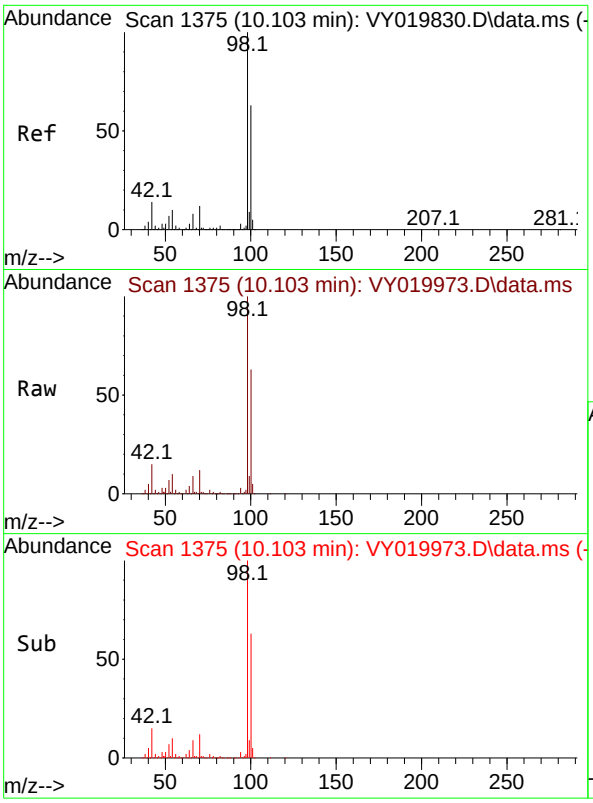


#49
1,4-Dioxane
Concen: 75.550 ug/l m
RT: 9.244 min Scan# 1234
Delta R.T. 0.013 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

Tgt Ion: 88 Resp: 1399

Ion	Ratio	Lower	Upper
88	100		
43	18.9	0.0	0.0#
58	68.8	49.3	73.9





#50
Toluene-d8
Concen: 50.742 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

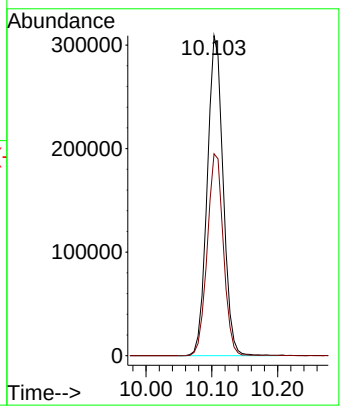
Tgt Ion: 98 Resp: 51996

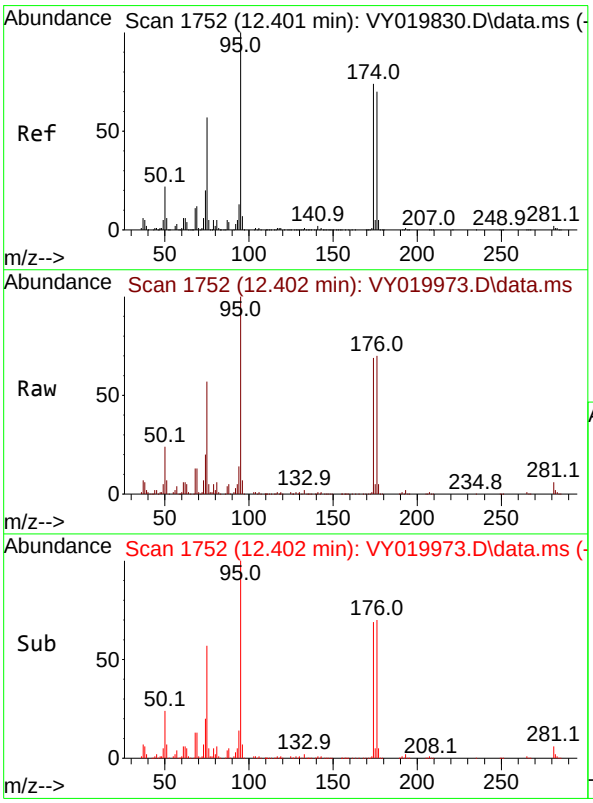
Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-BOT

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

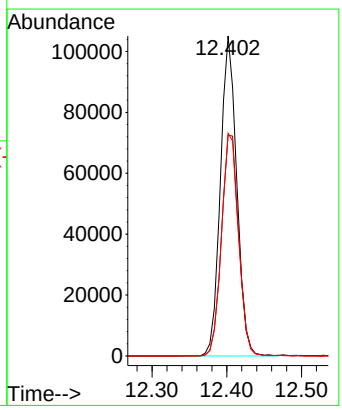


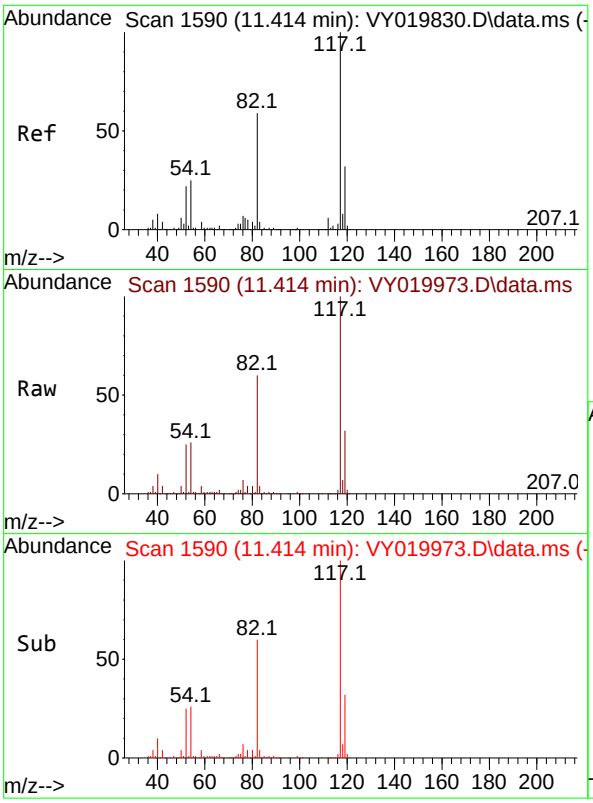


#62
4-Bromofluorobenzene
Concen: 43.150 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

Tgt Ion: 95 Resp: 159770

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	175.6
176	72.0	0.0	171.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

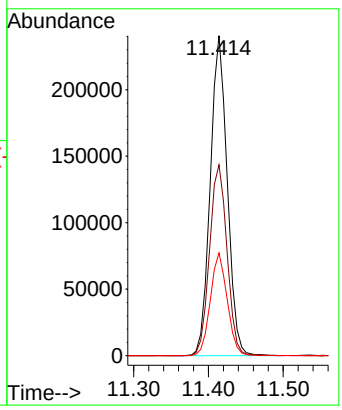
Tgt Ion:117 Resp: 37977

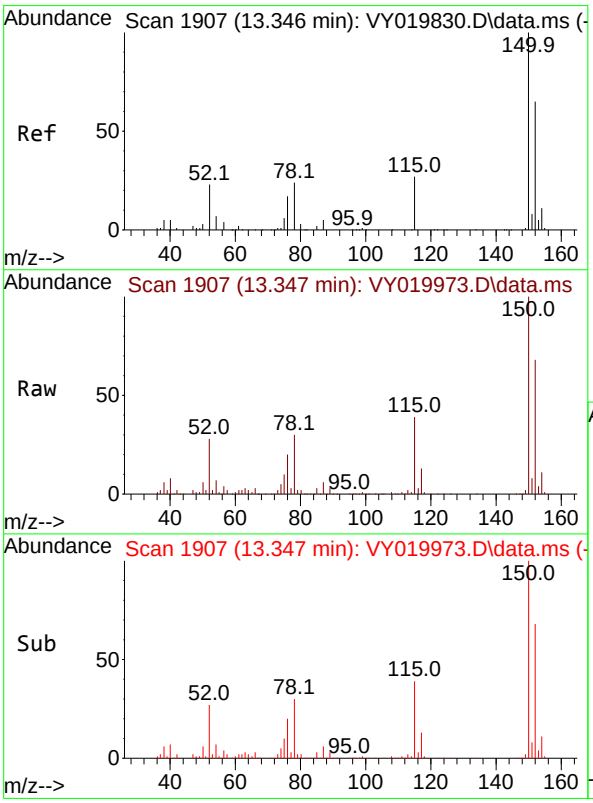
Ion	Ratio	Lower	Upper
117	100		
82	59.6	42.4	63.6
119	32.1	25.9	38.9

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-BOT

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

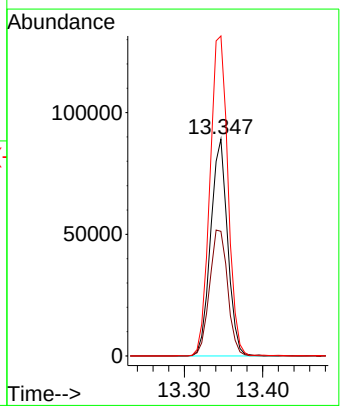




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

Tgt Ion:152 Resp: 134149

Ion	Ratio	Lower	Upper
152	100		
115	61.7	28.2	84.7
150	156.6	0.0	345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019973.D
Acq On : 22 Oct 2024 12:02
Operator : SY/MD
Sample : P4460-03
Misc : 7.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-BOT

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\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY019973.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	465	475	485	rBV3	15099	48602	3.34%	0.646%
2	6.025	695	706	716	rBV3	14571	47836	3.29%	0.636%
3	7.634	959	970	976	rBV2	200350	490026	33.70%	6.513%
4	7.707	976	982	995	rVB	299863	683369	47.00%	9.082%
5	8.061	1029	1040	1051	rBV	204454	454659	31.27%	6.043%
6	8.616	1122	1131	1144	rBV	533076	1057363	72.72%	14.053%
7	10.103	1367	1375	1393	rBV	856557	1454072	100.00%	19.325%
8	11.414	1583	1590	1603	rVB	795549	1284647	88.35%	17.074%
9	12.402	1745	1752	1762	rBV2	569981	964026	66.30%	12.812%
10	13.340	1899	1906	1916	rVB	572021	922647	63.45%	12.262%
11	13.883	1988	1995	2001	rVB2	75077	116906	8.04%	1.554%

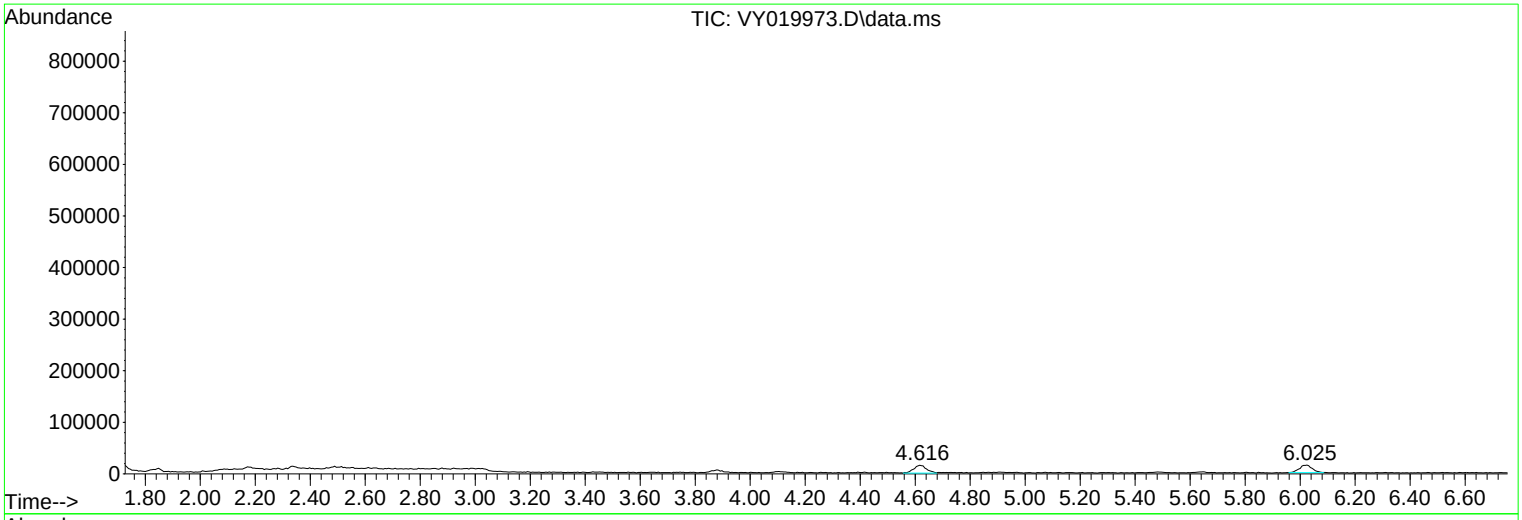
Sum of corrected areas: 7524153

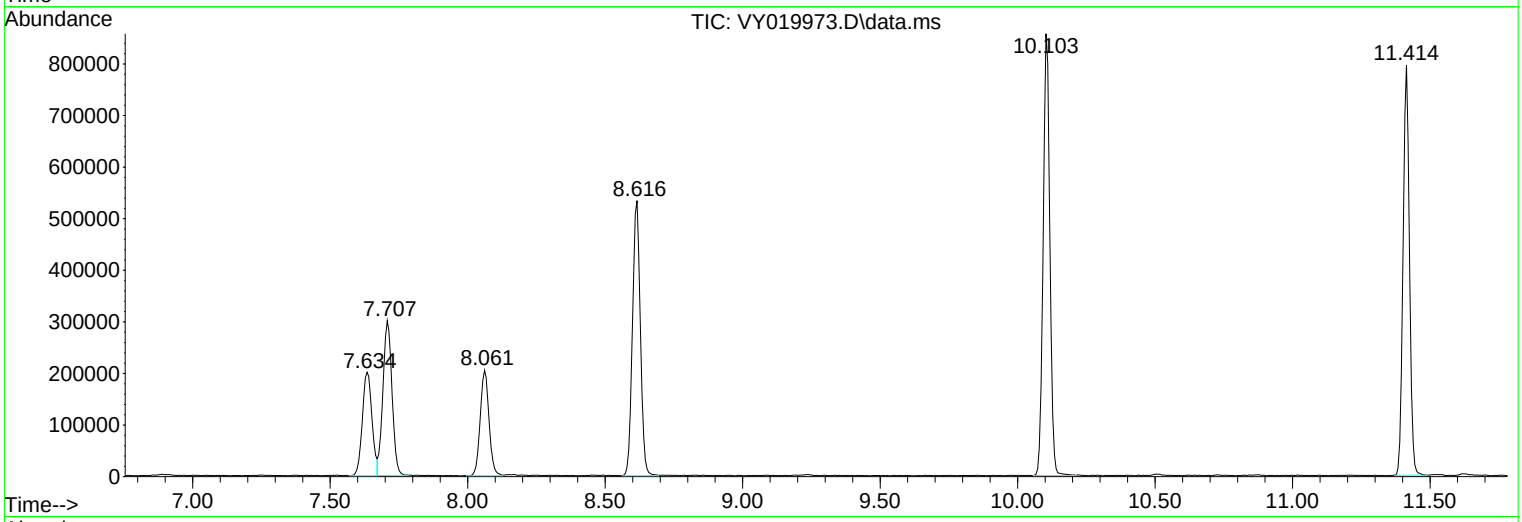
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019973.D
Acq On : 22 Oct 2024 12:02
Operator : SY/MD
Sample : P4460-03
Misc : 7.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

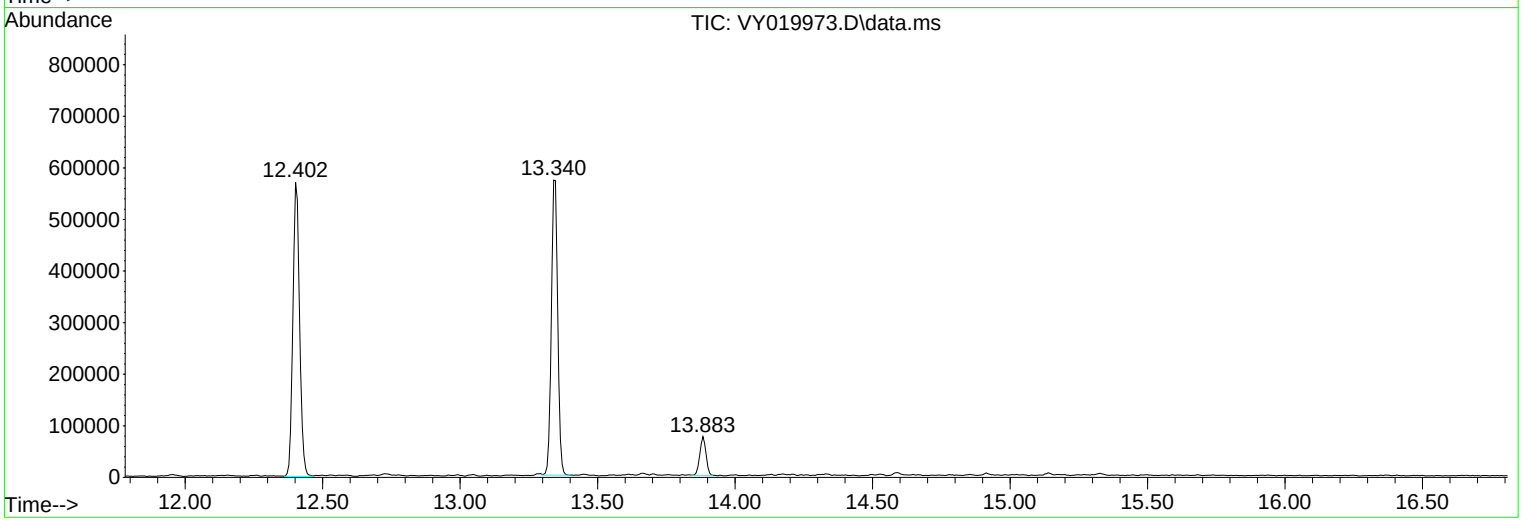
Instrument :
MSVOA_Y
ClientSampleId :
WB-303-BOT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019973.D
Acq On : 22 Oct 2024 12:02
Operator : SY/MD
Sample : P4460-03
Misc : 7.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-BOT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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\VY102224\
Data File : VY019973.D
Acq On : 22 Oct 2024 12:02
Operator : SY/MD
Sample : P4460-03
Misc : 7.93g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-303-BOT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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_N\Data\VN102124\
Data File : VN084445.D
Acq On : 21 Oct 2024 18:52
Operator : JC\MD
Sample : P4460-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-10182024

Quant Time: Oct 22 01:40:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	161710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	247792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	101842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122663	51.160	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.320%			
35) Dibromofluoromethane	8.165	113	97246	51.946	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.900%			
50) Toluene-d8	10.565	98	344867	50.071	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.140%			
62) 4-Bromofluorobenzene	12.847	95	118014	47.033	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.060%			

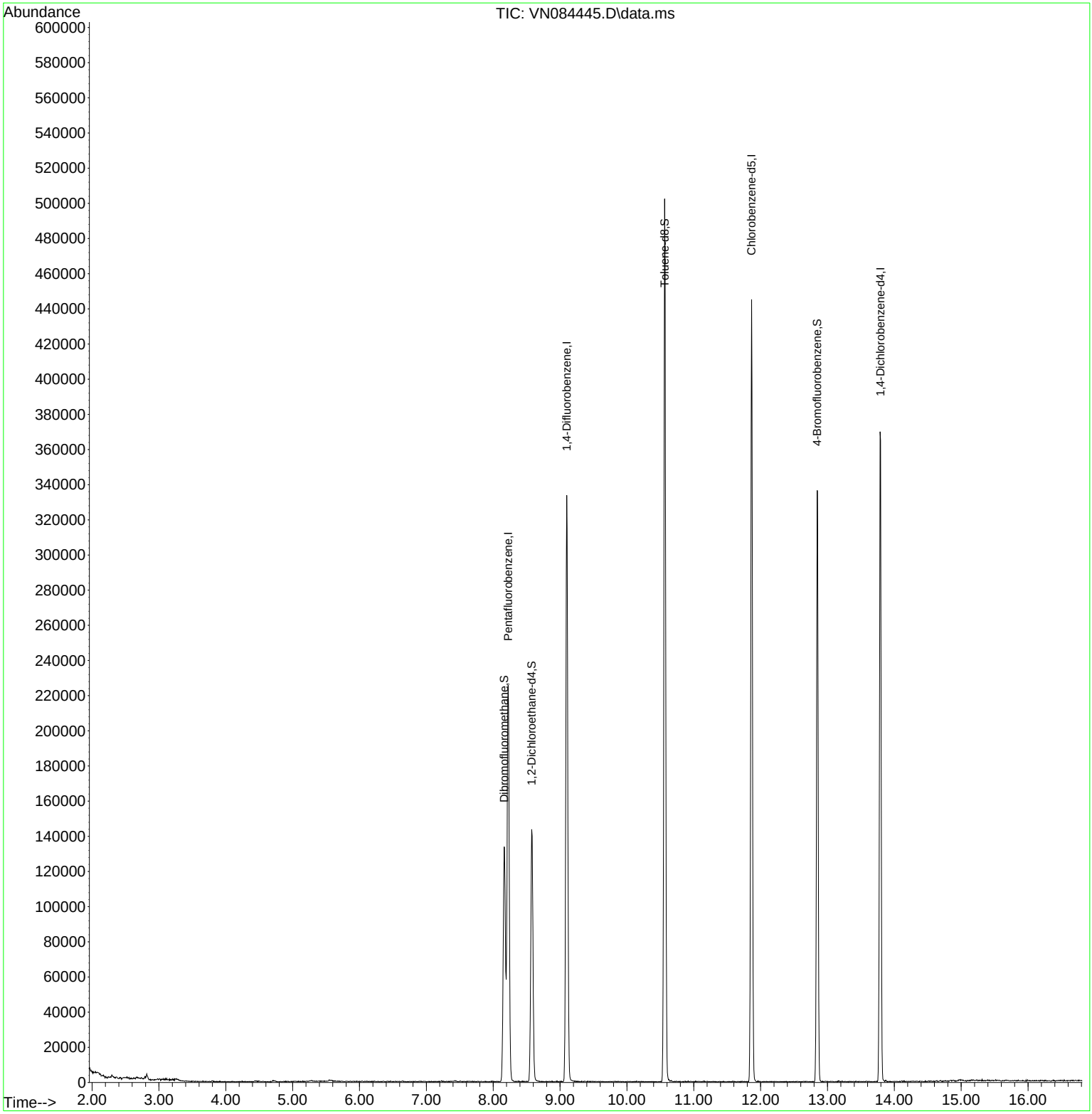
Target Compounds Qvalue

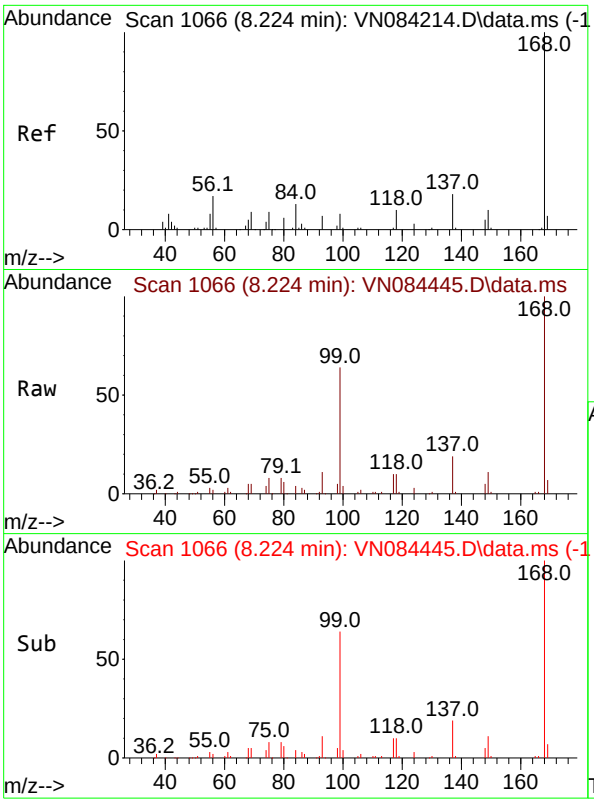
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084445.D
Acq On : 21 Oct 2024 18:52
Operator : JC\MD
Sample : P4460-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-10182024

Quant Time: Oct 22 01:40:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



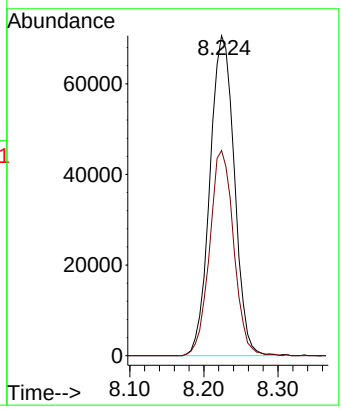


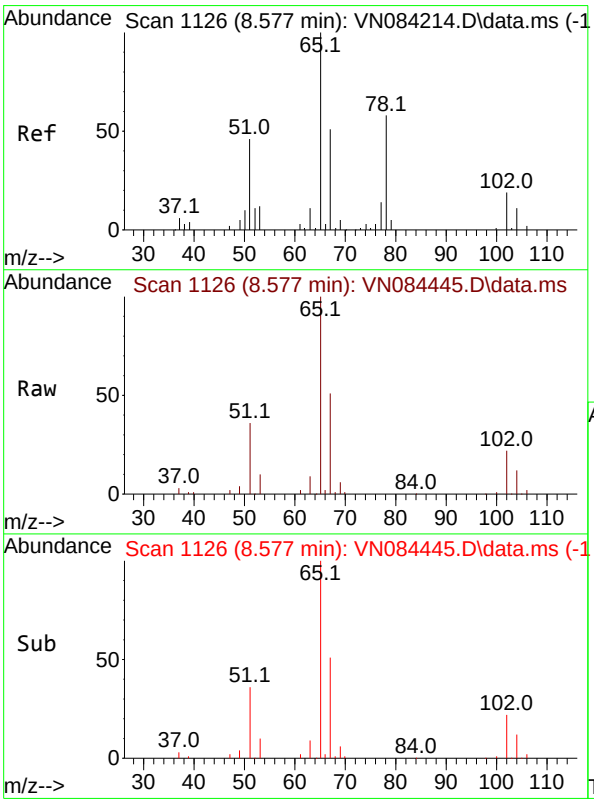
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084445.D
Acq: 21 Oct 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
TB-10182024

Tgt Ion:168 Resp: 161710

Ion	Ratio	Lower	Upper
168	100		
99	64.1	54.2	81.2

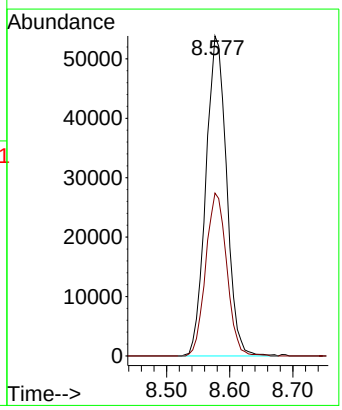




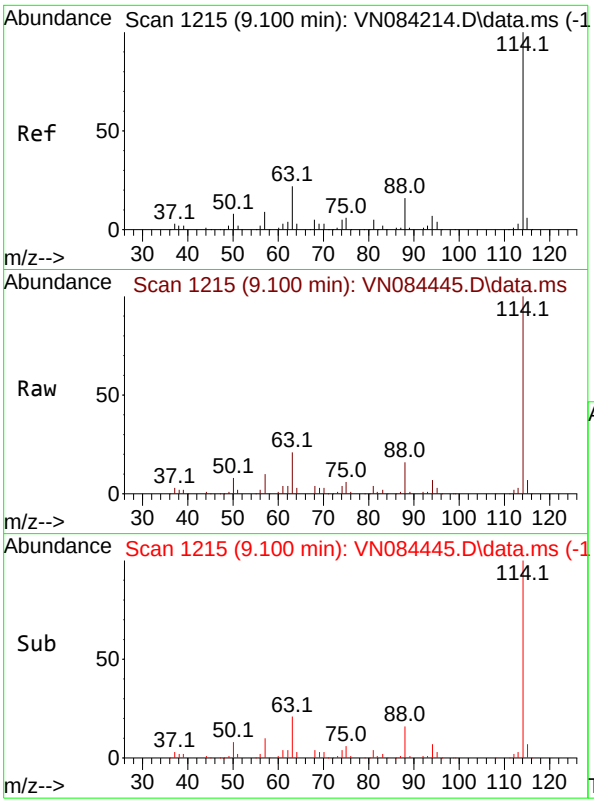
#33
1,2-Dichloroethane-d4
Concen: 51.160 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084445.D
Acq: 21 Oct 2024 18:52

Tgt Ion: 65 Resp: 122663

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.0



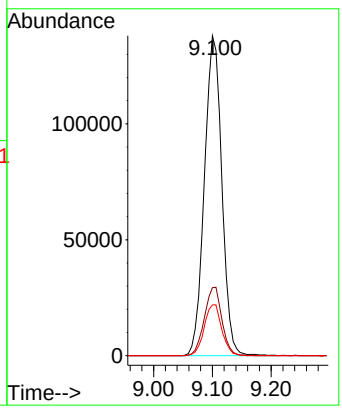
Instrument :
MSVOA_N
ClientSampleId :
TB-10182024

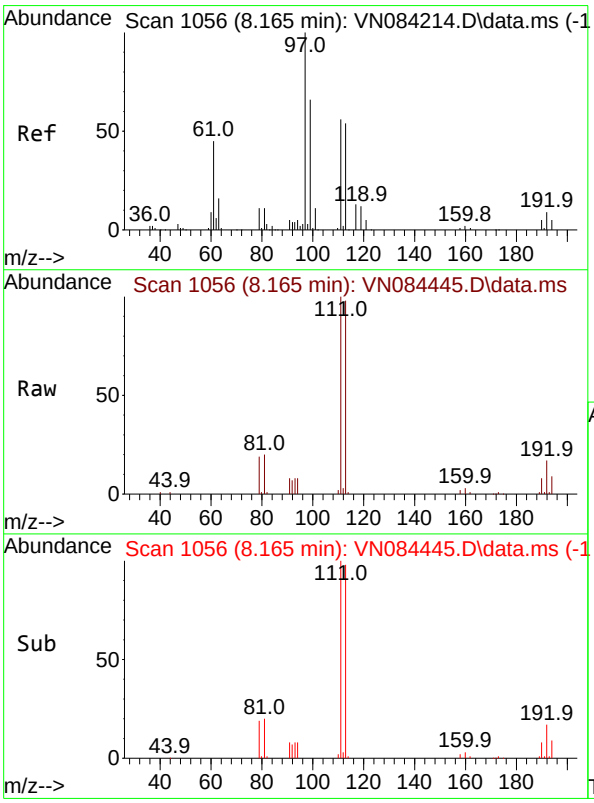


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084445.D
Acq: 21 Oct 2024 18:52

Tgt Ion:114 Resp: 283963

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.8
88	15.9	0.0	31.6

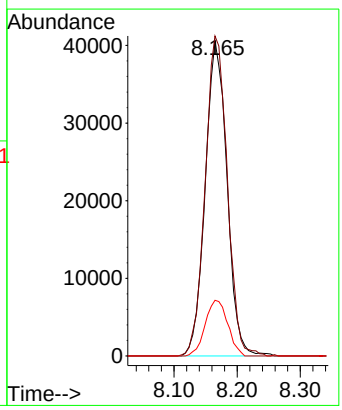


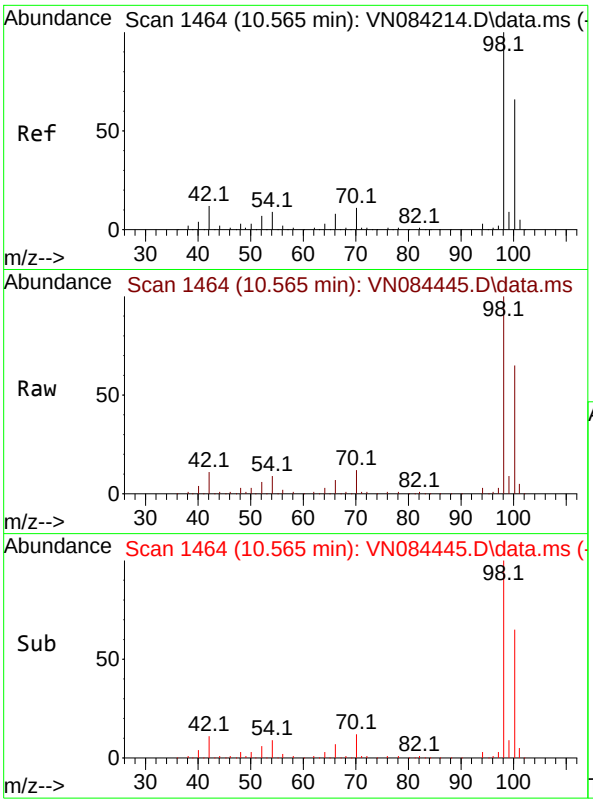


#35
Dibromofluoromethane
Concen: 51.946 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084445.D
Acq: 21 Oct 2024 18:52

Tgt Ion:113 Resp: 97246

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.3	124.9
192	18.3	13.5	20.3



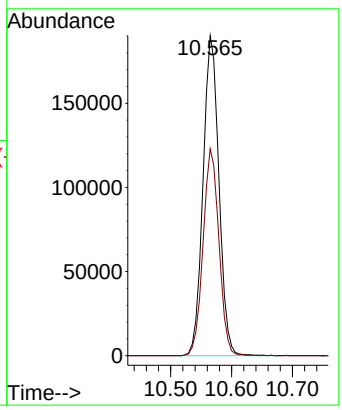


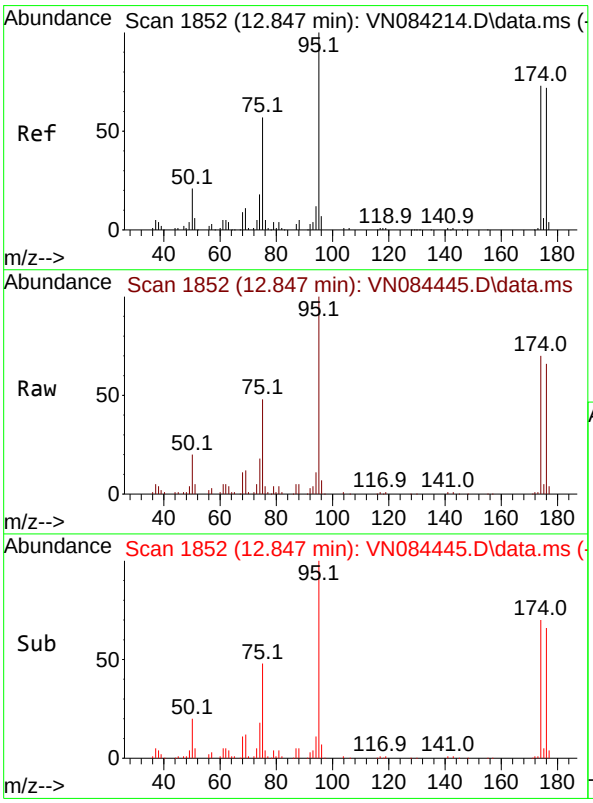
#50
Toluene-d8
Concen: 50.071 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084445.D
Acq: 21 Oct 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
TB-10182024

Tgt Ion: 98 Resp: 344867

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1

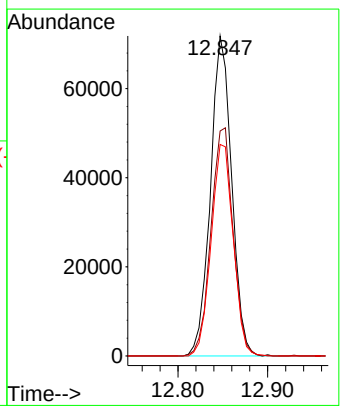




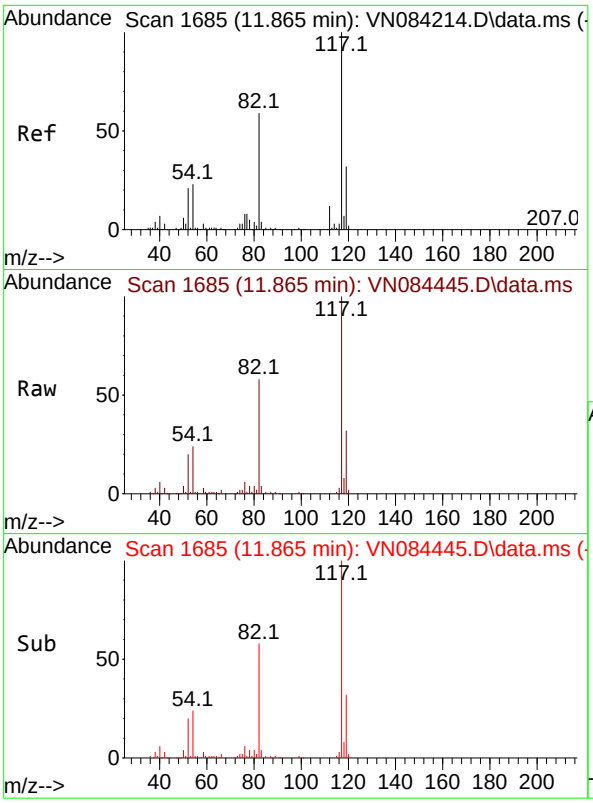
#62
4-Bromofluorobenzene
Concen: 47.033 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084445.D
Acq: 21 Oct 2024 18:52

Tgt Ion: 95 Resp: 118014

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	145.2
176	68.7	0.0	140.0



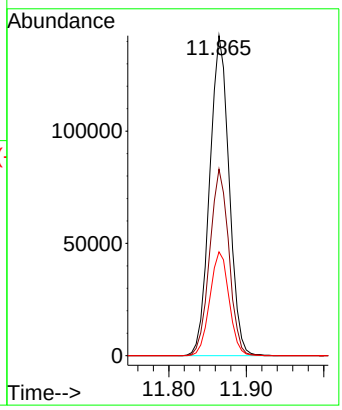
Instrument :
MSVOA_N
ClientSampleId :
TB-10182024

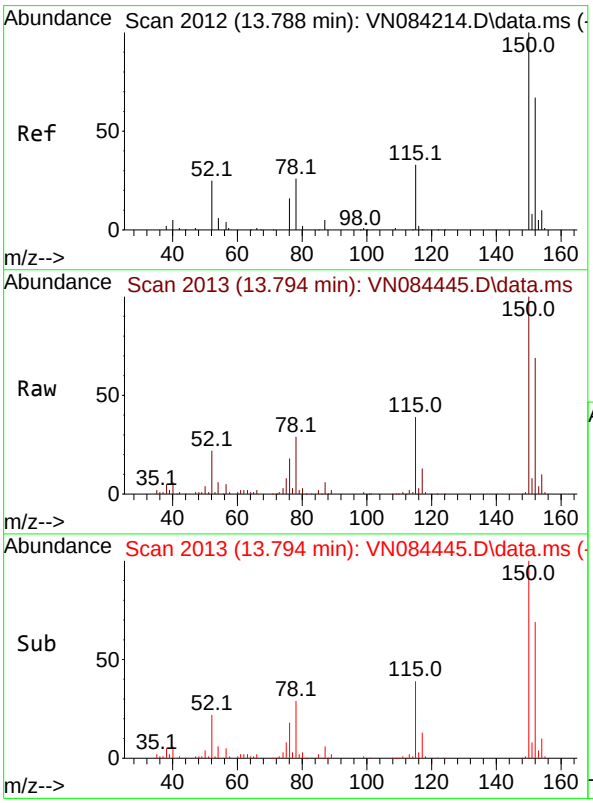


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084445.D
Acq: 21 Oct 2024 18:52

Tgt Ion:117 Resp: 247792

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.2	70.8
119	32.4	25.4	38.0

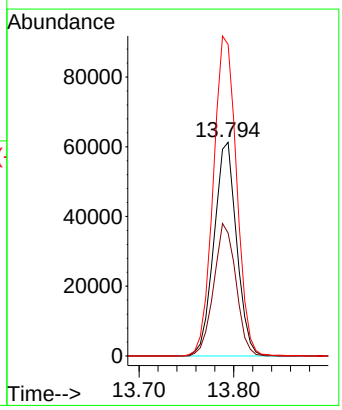




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084445.D
Acq: 21 Oct 2024 18:52

Tgt Ion:152 Resp: 101842

Ion	Ratio	Lower	Upper
152	100		
115	60.9	31.3	93.9
150	154.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084445.D
Acq On : 21 Oct 2024 18:52
Operator : JC\MD
Sample : P4460-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-10182024

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_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084445.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1061	rBV	133532	323181	35.50%	6.880%
2	8.224	1061	1066	1076	rVB2	224791	499878	54.92%	10.642%
3	8.577	1117	1126	1143	rBV	143443	329209	36.17%	7.009%
4	9.100	1205	1215	1226	rBV	333434	676835	74.36%	14.410%
5	10.565	1456	1464	1477	rBV	502329	910266	100.00%	19.379%
6	11.865	1677	1685	1698	rBV	445085	771726	84.78%	16.430%
7	12.847	1845	1852	1862	rVB	336397	560090	61.53%	11.924%
8	13.788	2005	2012	2024	rBV	369621	625893	68.76%	13.325%

Sum of corrected areas: 4697078

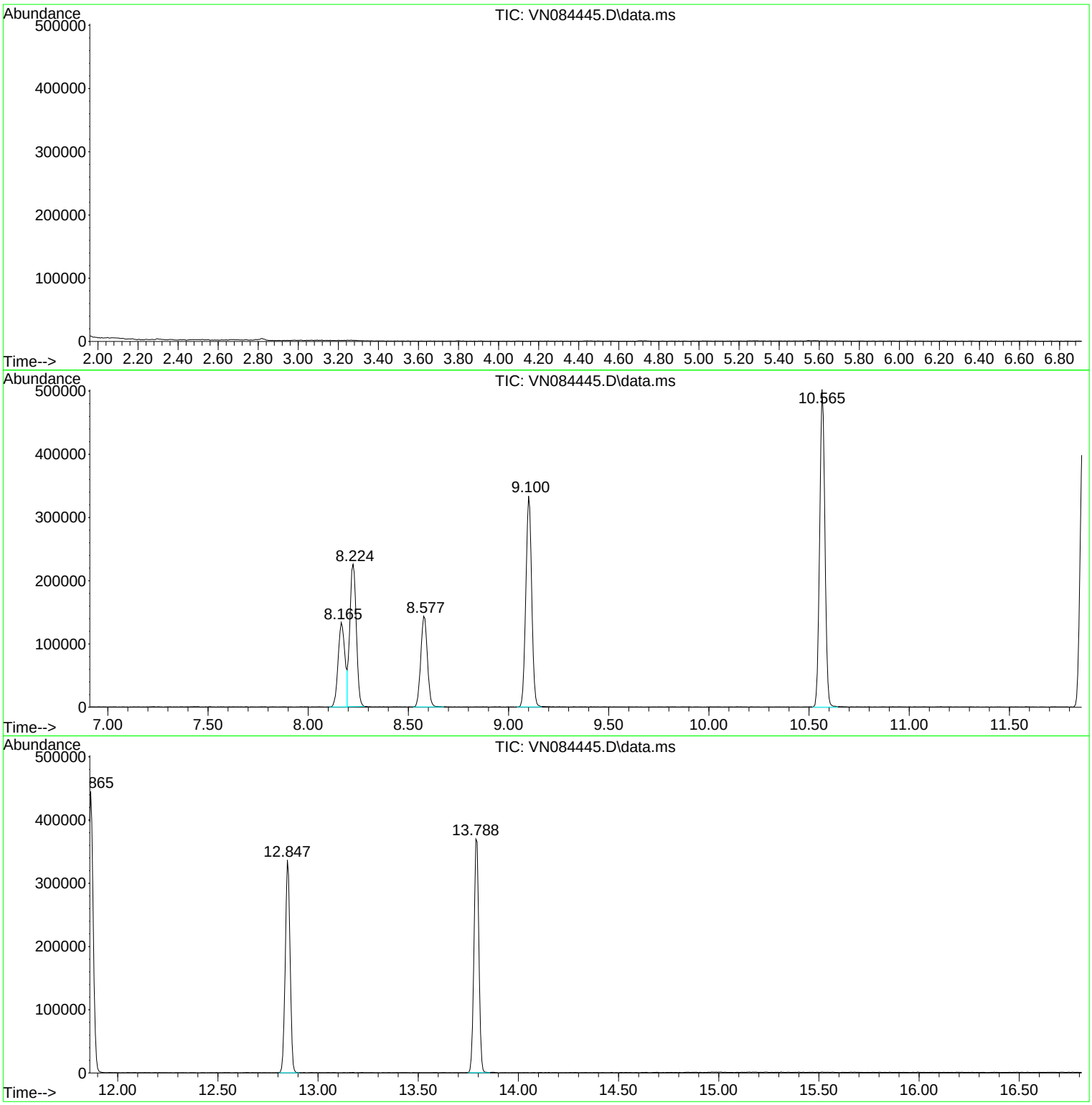
Sample Results: **VN084445.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084445.D
Acq On : 21 Oct 2024 18:52
Operator : JC\MD
Sample : P4460-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-10182024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084445.D
Acq On : 21 Oct 2024 18:52
Operator : JC\MD
Sample : P4460-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-10182024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.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_N\Data\VN102124\
Data File : VN084445.D
Acq On : 21 Oct 2024 18:52
Operator : JC\MD
Sample : P4460-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-10182024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.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_N\Data\VN102124\
Data File : VN084446.D
Acq On : 21 Oct 2024 19:16
Operator : JC\MD
Sample : P4460-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-303-SW

Quant Time: Oct 22 01:40:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	173070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	127440	49.663	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.320%			
35) Dibromofluoromethane	8.165	113	102128	51.660	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.320%			
50) Toluene-d8	10.565	98	362755	49.875	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.760%			
62) 4-Bromofluorobenzene	12.847	95	119656	45.158	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.320%			

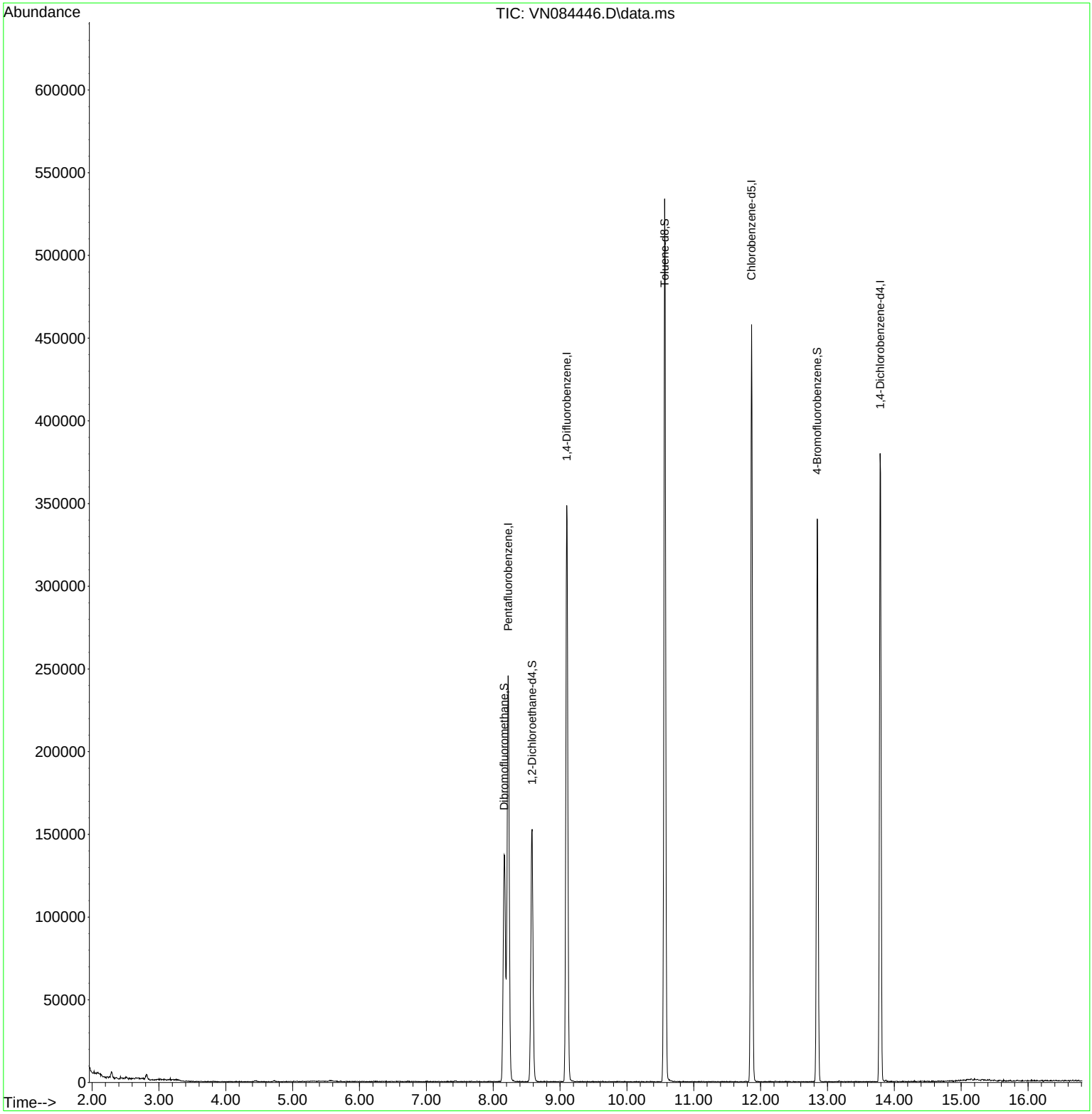
Target Compounds Qvalue

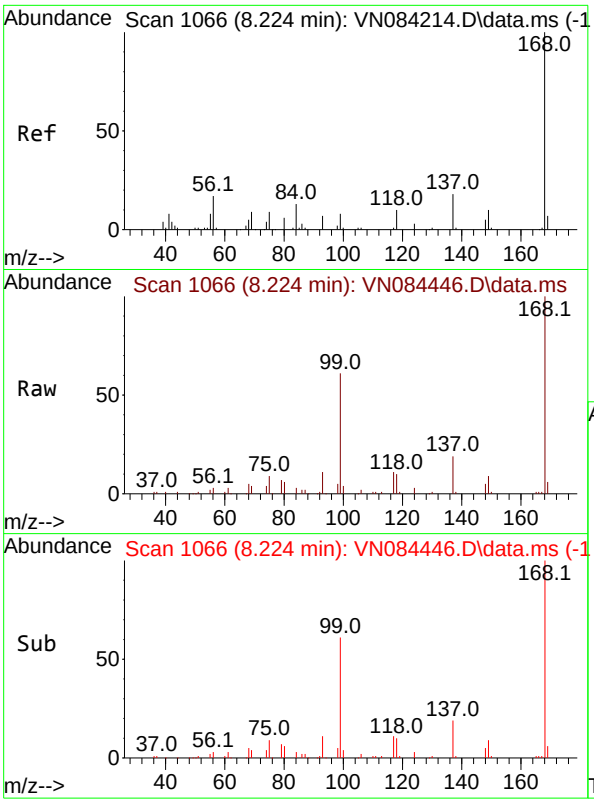
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084446.D
Acq On : 21 Oct 2024 19:16
Operator : JC\MD
Sample : P4460-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-303-SW

Quant Time: Oct 22 01:40:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



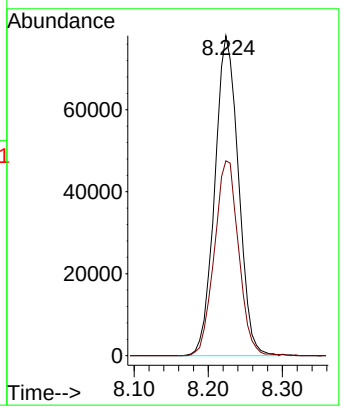


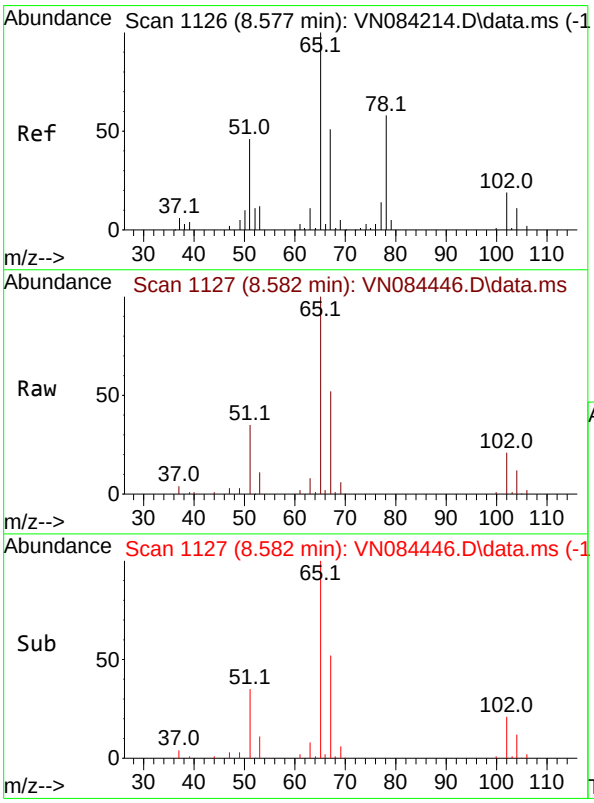
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084446.D
Acq: 21 Oct 2024 19:16

Instrument :
MSVOA_N
ClientSampleId :
WB-303-SW

Tgt Ion:168 Resp: 173070

Ion	Ratio	Lower	Upper
168	100		
99	60.9	54.2	81.2

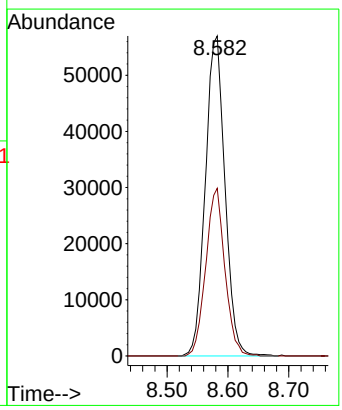


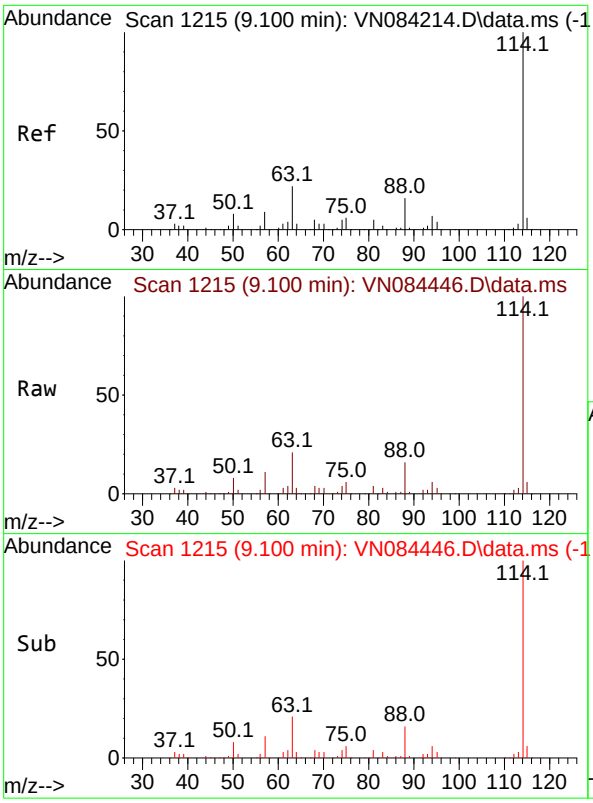


#33
1,2-Dichloroethane-d4
Concen: 49.663 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084446.D
Acq: 21 Oct 2024 19:16

Tgt Ion: 65 Resp: 127440

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.0



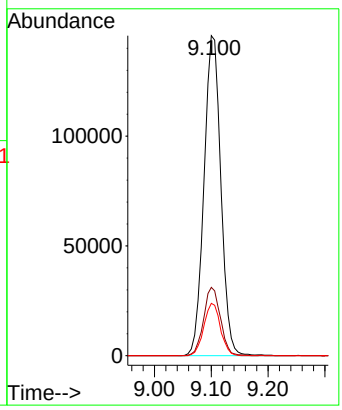


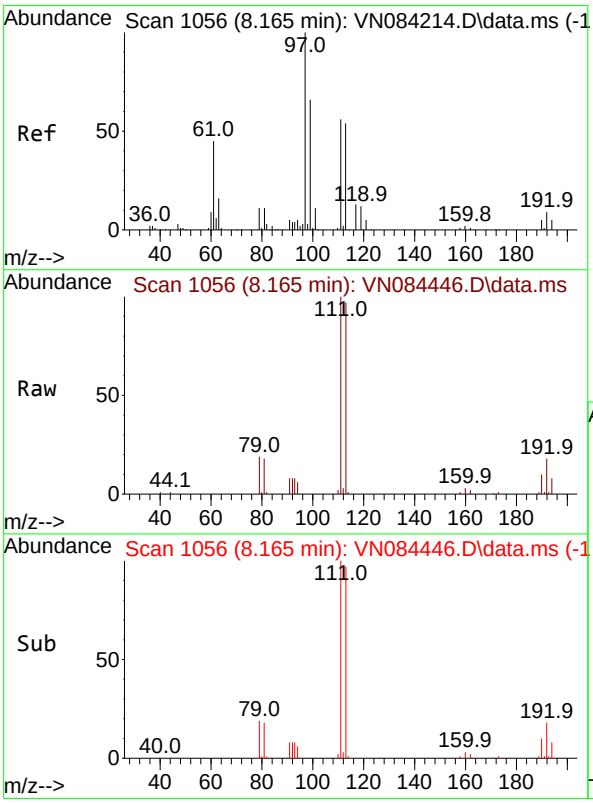
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084446.D
Acq: 21 Oct 2024 19:16

Instrument :
MSVOA_N
ClientSampleId :
WB-303-SW

Tgt Ion:114 Resp: 299867

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.8
88	16.4	0.0	31.6

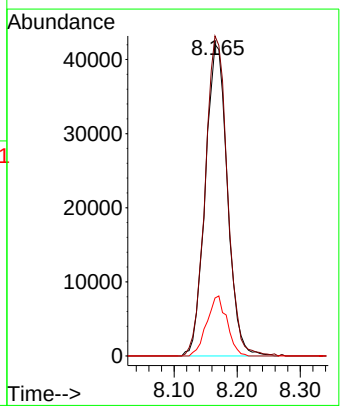


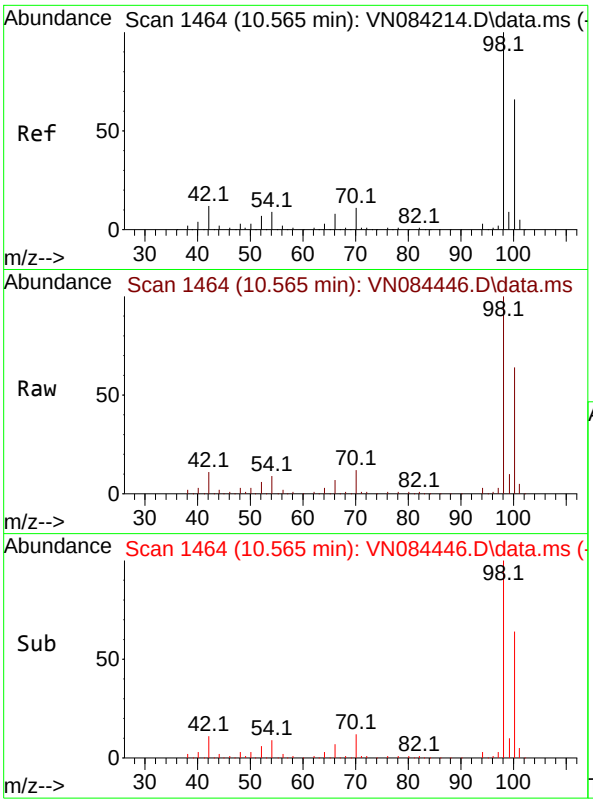


#35
Dibromofluoromethane
Concen: 51.660 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084446.D
Acq: 21 Oct 2024 19:16

Tgt Ion:113 Resp: 102128

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.3	124.9
192	17.7	13.5	20.3



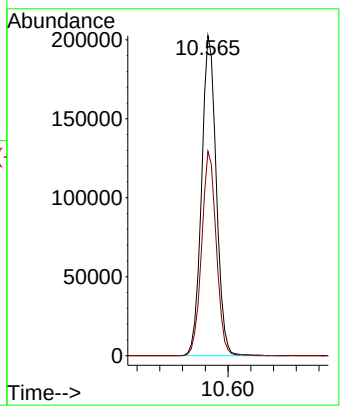


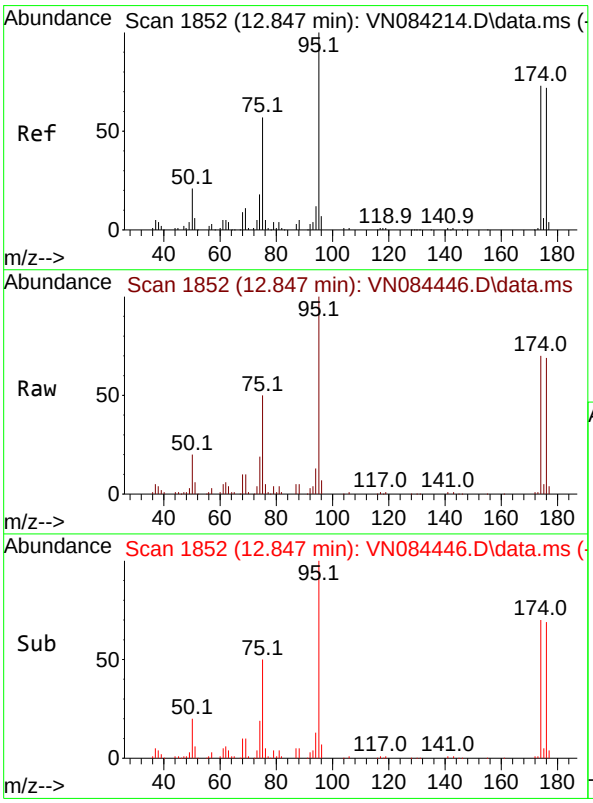
#50
Toluene-d8
Concen: 49.875 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084446.D
Acq: 21 Oct 2024 19:16

Instrument :
MSVOA_N
ClientSampleId :
WB-303-SW

Tgt Ion: 98 Resp: 362755

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.7	79.1

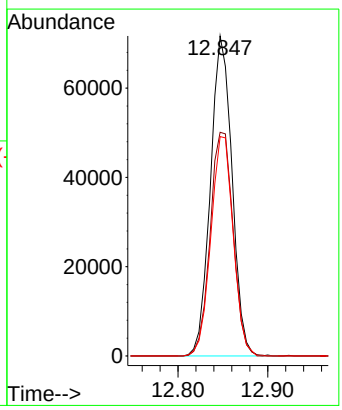


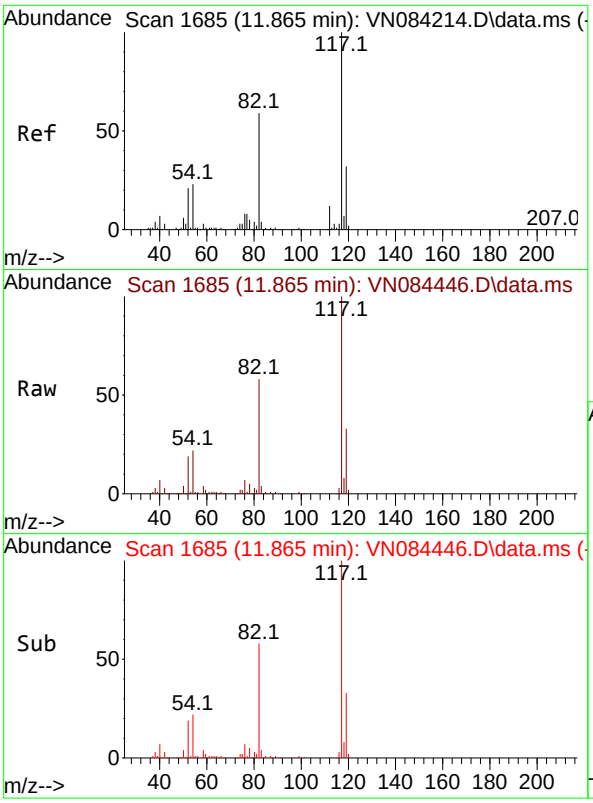


#62
4-Bromofluorobenzene
Concen: 45.158 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084446.D
Acq: 21 Oct 2024 19:16

Tgt Ion: 95 Resp: 119656

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	145.2
176	71.0	0.0	140.0



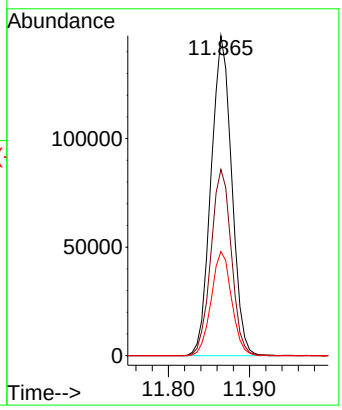


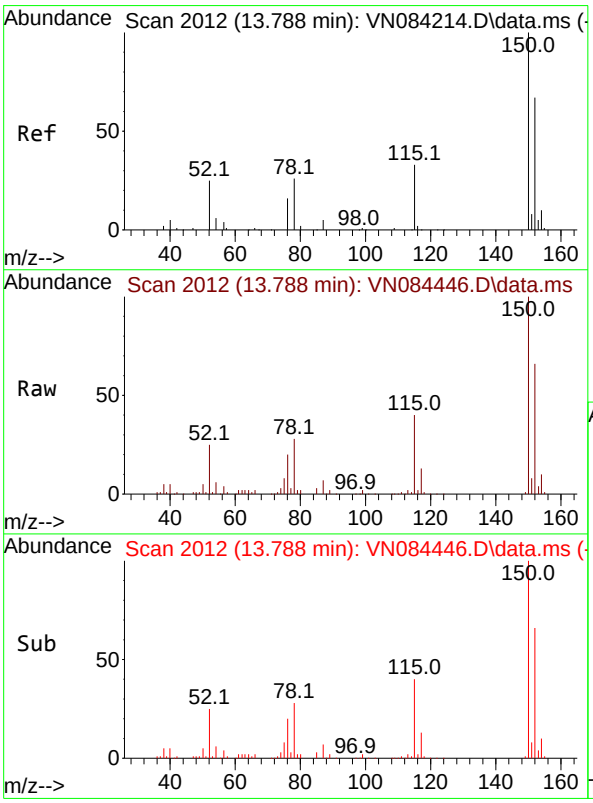
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084446.D
Acq: 21 Oct 2024 19:16

Instrument :
MSVOA_N
ClientSampleId :
WB-303-SW

Tgt Ion:117 Resp: 260696

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	32.5	25.4	38.0

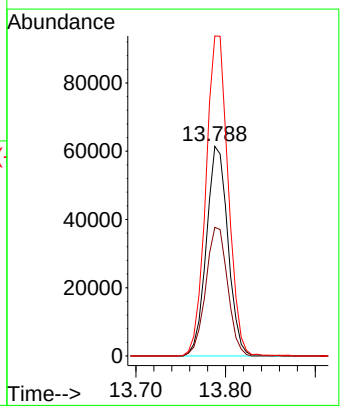




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084446.D
Acq: 21 Oct 2024 19:16

Tgt Ion:152 Resp: 102425

Ion	Ratio	Lower	Upper
152	100		
115	62.4	31.3	93.9
150	157.5	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084446.D
Acq On : 21 Oct 2024 19:16
Operator : JC\MD
Sample : P4460-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-303-SW

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_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084446.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1061	rBV	137395	337338	35.22%	6.882%
2	8.224	1061	1066	1078	rVB	245069	534721	55.83%	10.909%
3	8.582	1115	1127	1141	rBV	152808	344196	35.94%	7.022%
4	9.100	1206	1215	1225	rBV	348371	709134	74.04%	14.468%
5	10.565	1456	1464	1479	rBV	533687	957810	100.00%	19.541%
6	11.865	1677	1685	1697	rVB	457735	806590	84.21%	16.456%
7	12.847	1845	1852	1860	rBV	340177	574288	59.96%	11.716%
8	13.788	2005	2012	2023	rBV	379795	637480	66.56%	13.006%

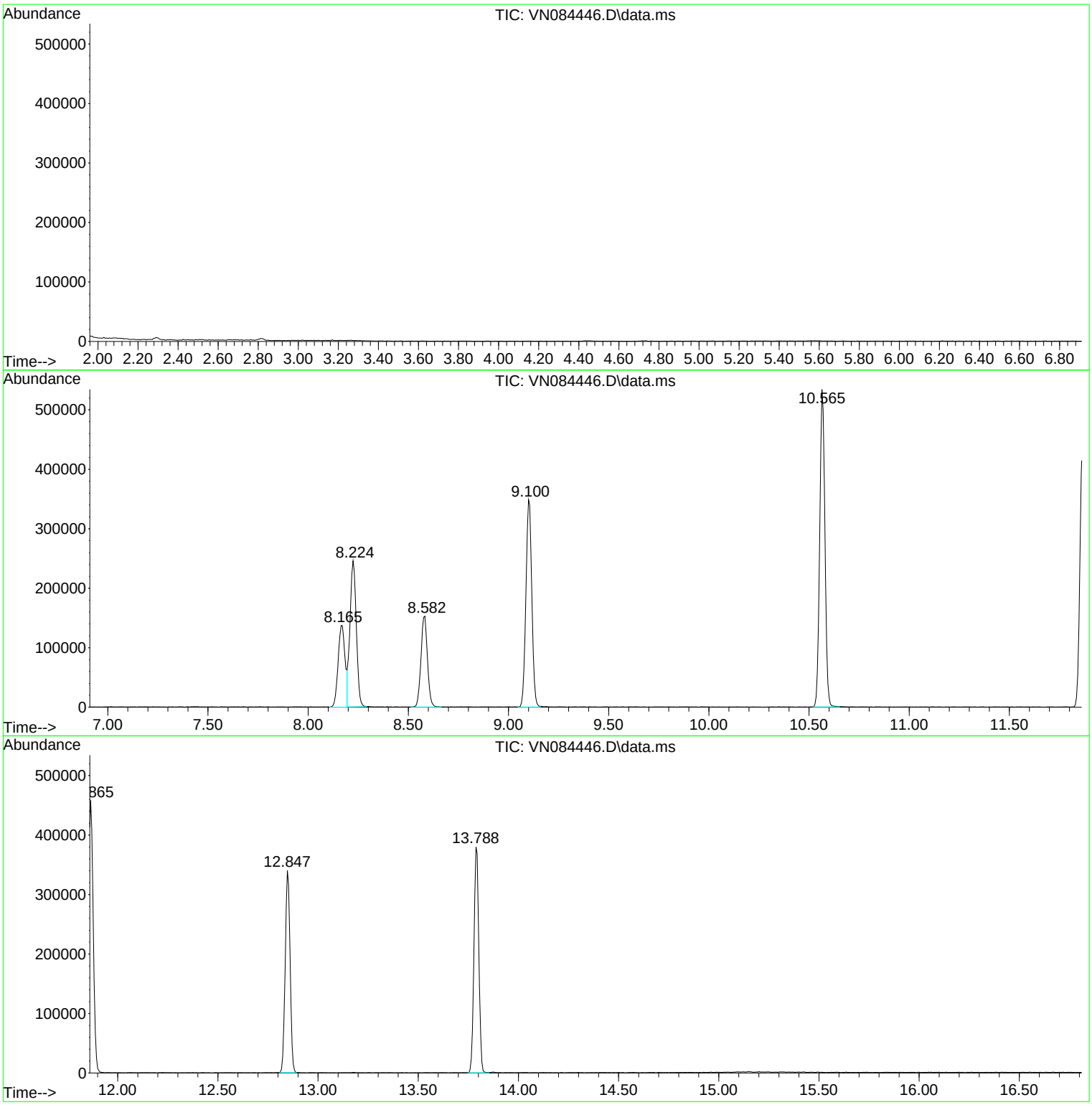
Sum of corrected areas: 4901557

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084446.D
Acq On : 21 Oct 2024 19:16
Operator : JC\MD
Sample : P4460-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-303-SW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084446.D
Acq On : 21 Oct 2024 19:16
Operator : JC\MD
Sample : P4460-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-303-SW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.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_N\Data\VN102124\
Data File : VN084446.D
Acq On : 21 Oct 2024 19:16
Operator : JC\MD
Sample : P4460-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-303-SW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.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_N\Data\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Quant Time: Oct 22 01:31:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	167468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120667	48.597	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.200%			
35) Dibromofluoromethane	8.165	113	99495	51.076	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.160%			
50) Toluene-d8	10.565	98	349958	48.830	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.660%			
62) 4-Bromofluorobenzene	12.847	95	116683	44.690	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.380%			

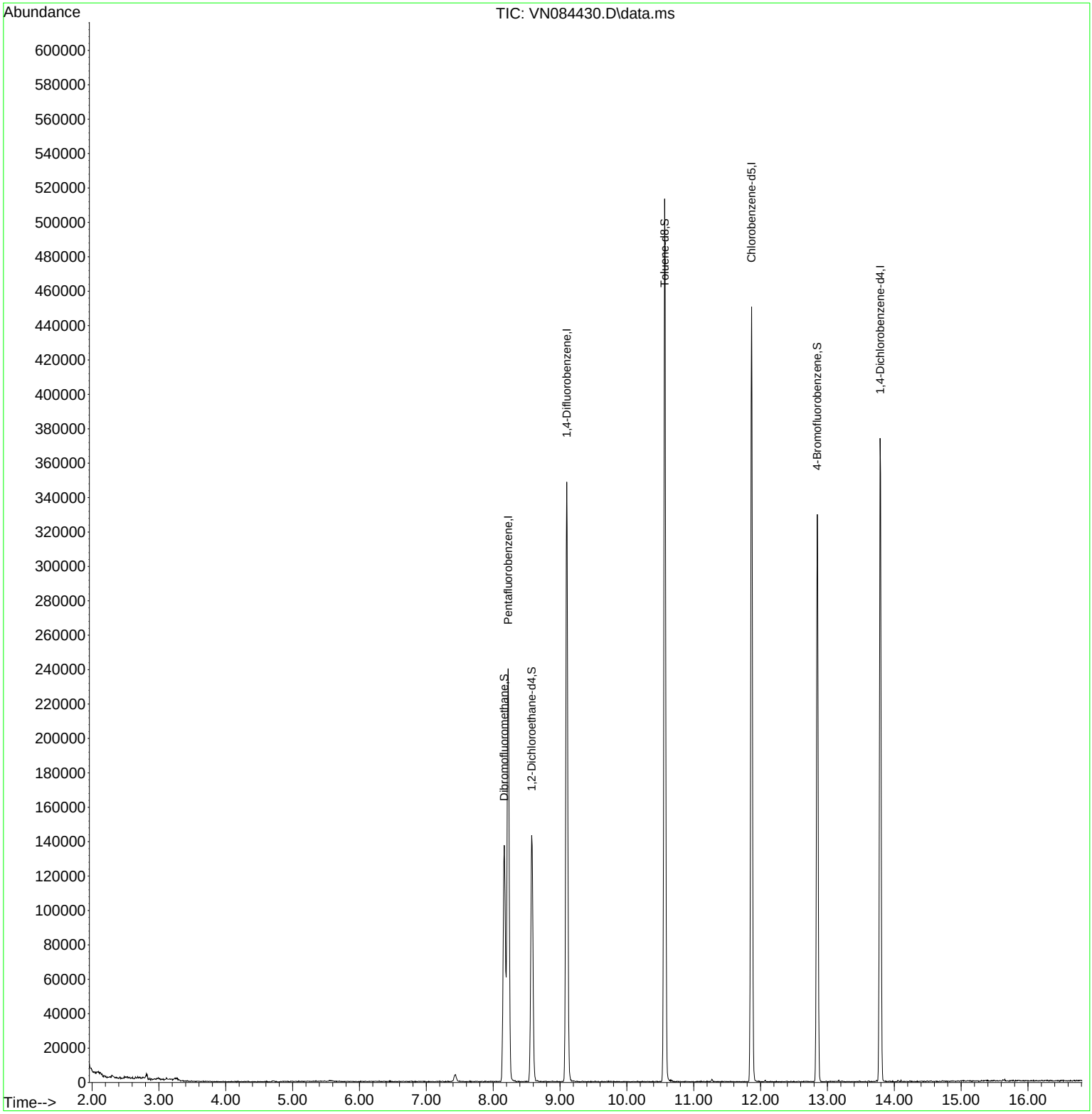
Target Compounds Qvalue

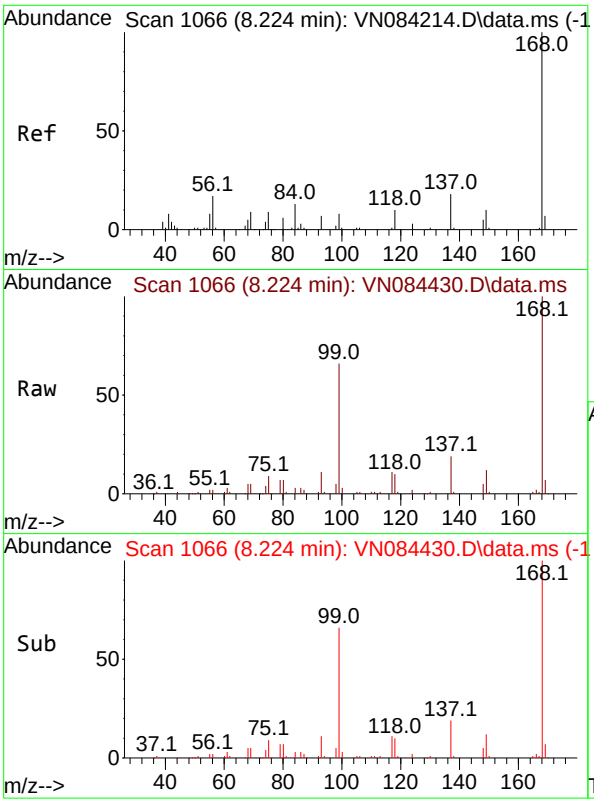
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Quant Time: Oct 22 01:31:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



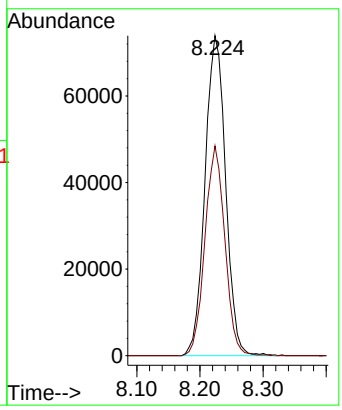


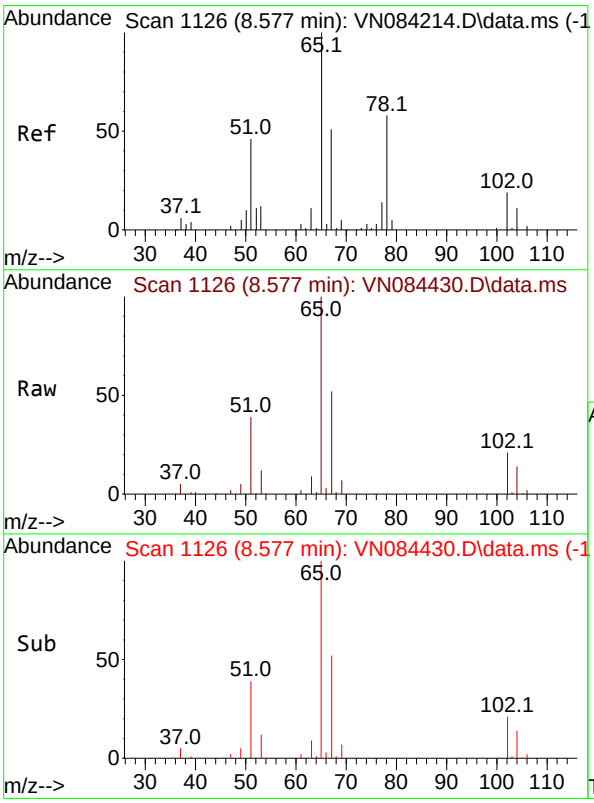
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion:168 Resp: 167468

Ion	Ratio	Lower	Upper
168	100		
99	65.6	54.2	81.2

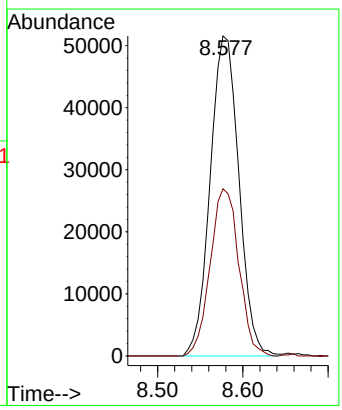


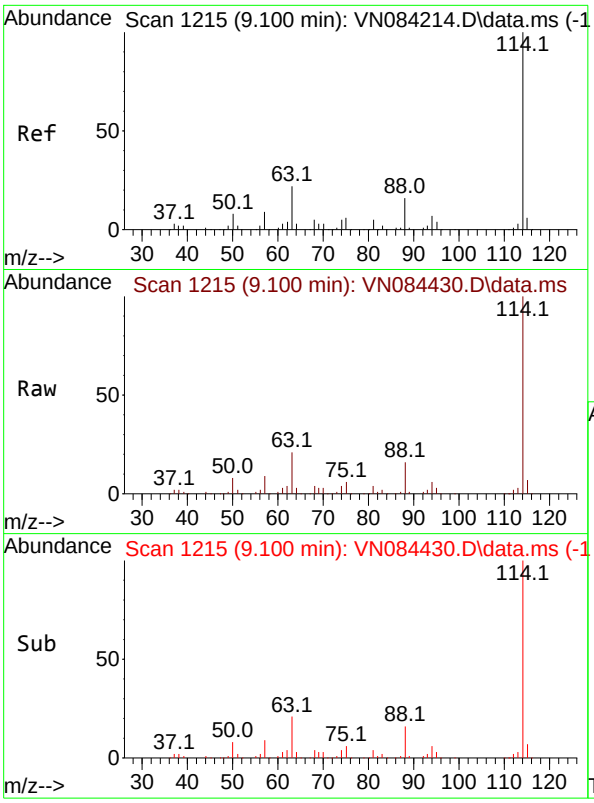


#33
1,2-Dichloroethane-d4
Concen: 48.597 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Tgt Ion: 65 Resp: 120667

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.0



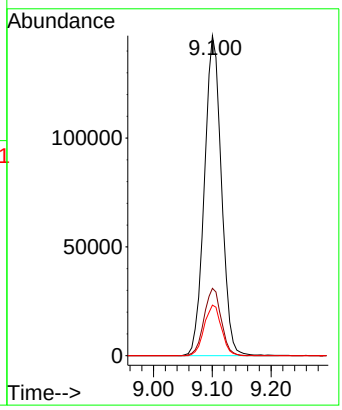


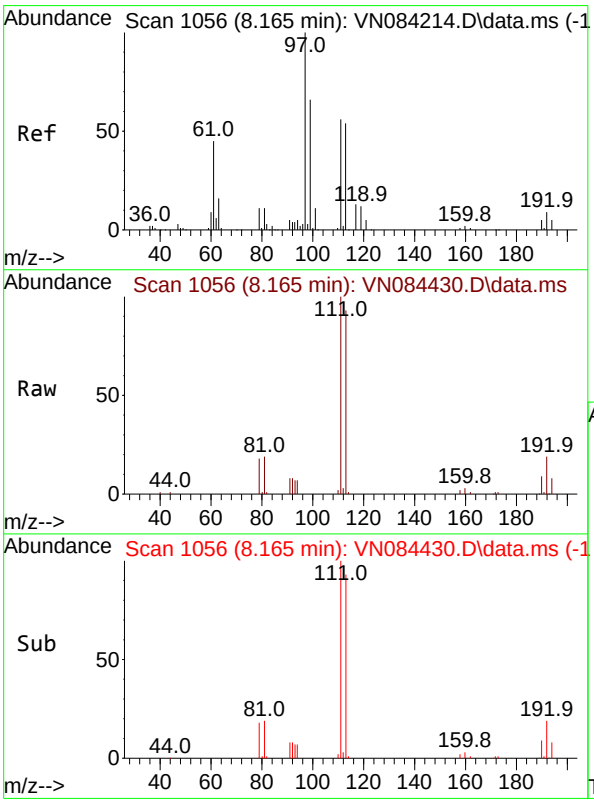
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion:114 Resp: 295479

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	15.8	0.0	31.6

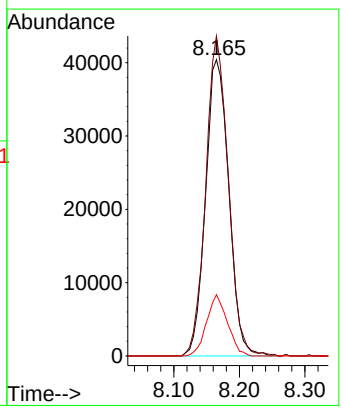


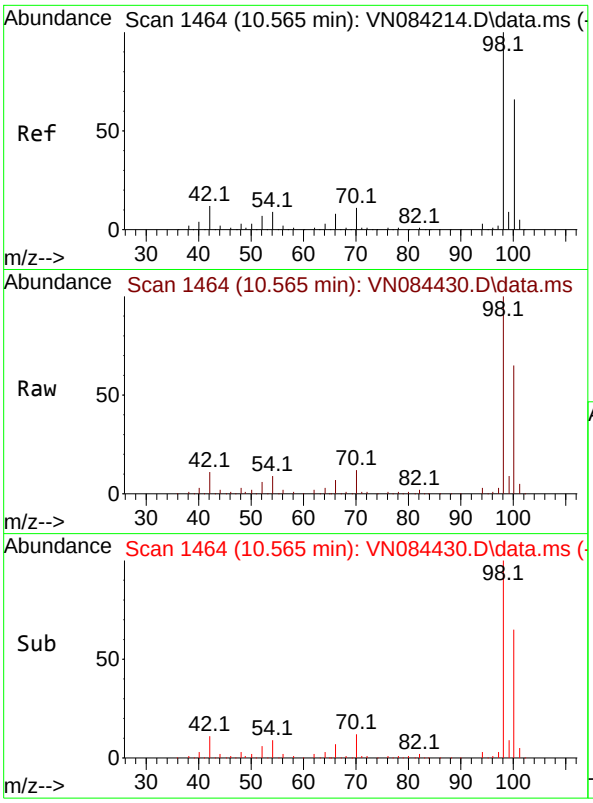


#35
Dibromofluoromethane
Concen: 51.076 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Tgt Ion:113 Resp: 99495

Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.3	124.9
192	18.5	13.5	20.3



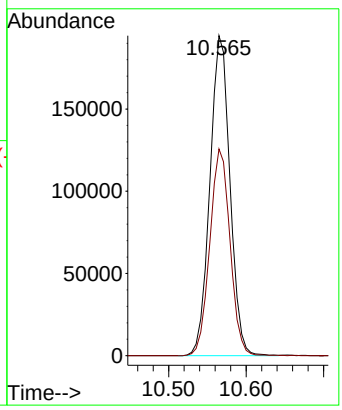


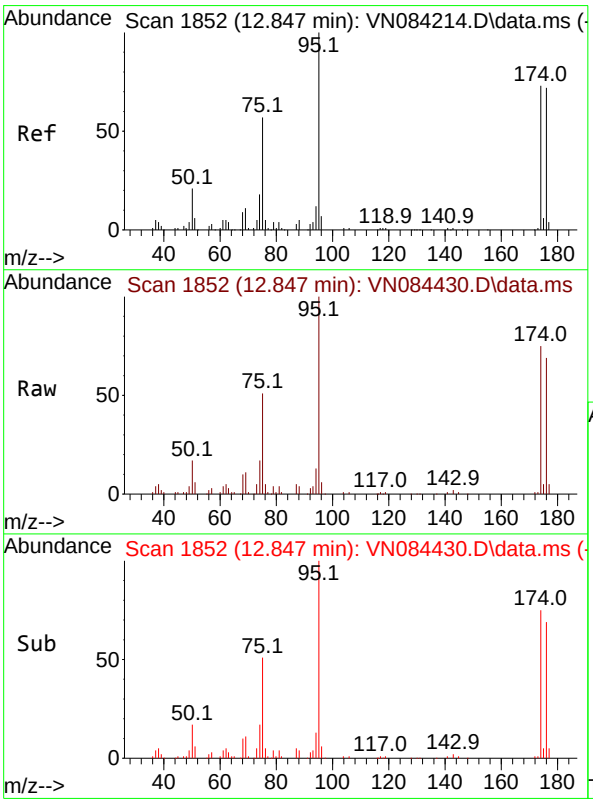
#50
Toluene-d8
Concen: 48.830 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion: 98 Resp: 349958

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1

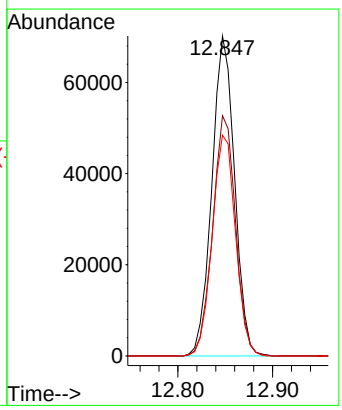


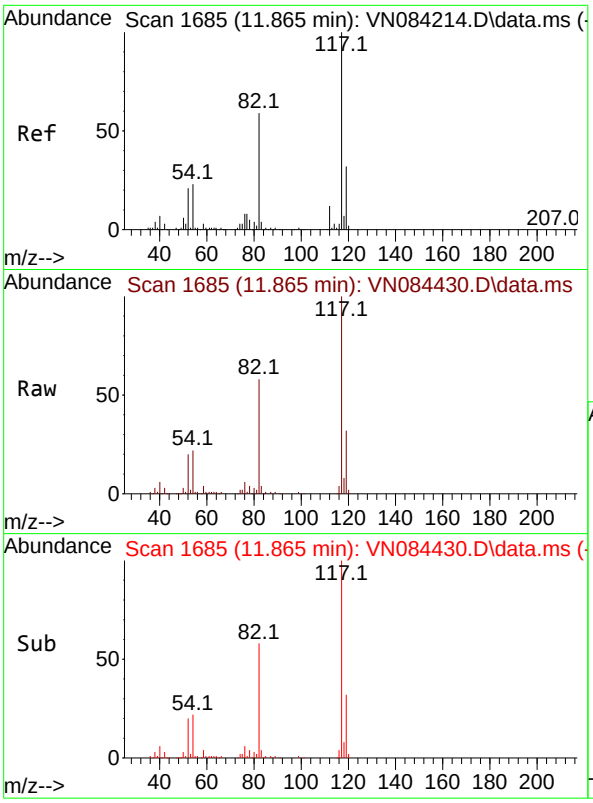


#62
4-Bromofluorobenzene
Concen: 44.690 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Tgt Ion: 95 Resp: 116683

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	145.2
176	71.0	0.0	140.0



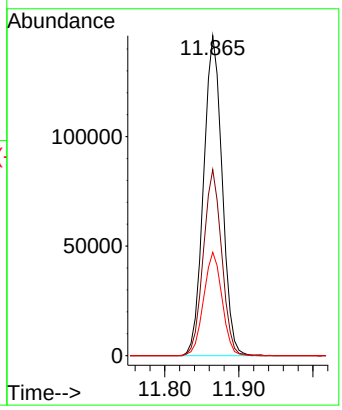


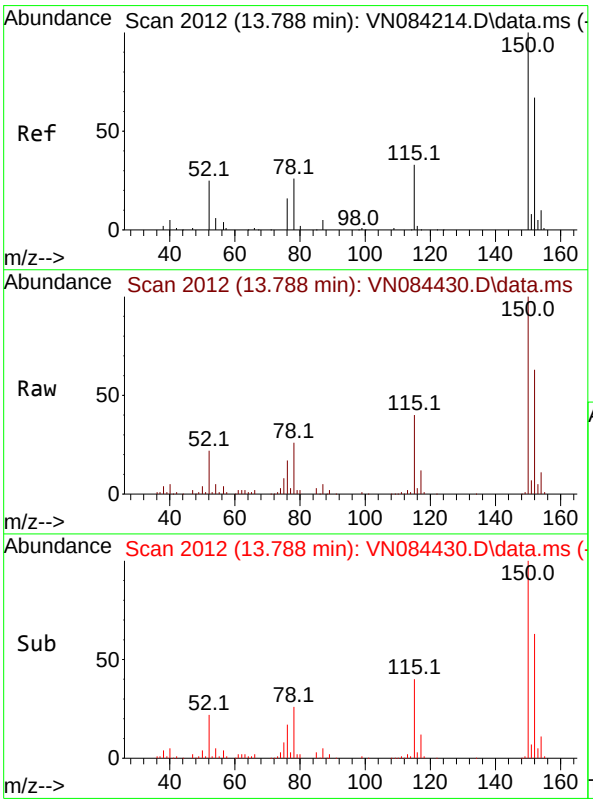
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion:117 Resp: 254088

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	32.3	25.4	38.0

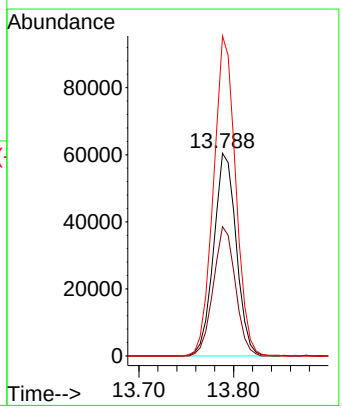




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Tgt Ion:152 Resp: 99954

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	155.5	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

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_N\methods\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084430.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.436	922	932	942	rBV2	4108	10909	1.18%	0.228%
2	8.165	1047	1056	1061	rBV	137448	335323	36.14%	7.019%
3	8.224	1061	1066	1078	rVB	239504	517962	55.83%	10.843%
4	8.577	1118	1126	1137	rBV	143101	329717	35.54%	6.902%
5	9.100	1206	1215	1227	rBV	348480	696007	75.02%	14.570%
6	10.565	1456	1464	1477	rBV	513172	927809	100.00%	19.422%
7	11.865	1677	1685	1700	rVB	450419	783202	84.41%	16.395%
8	12.847	1845	1852	1864	rVB	330020	559221	60.27%	11.706%
9	13.788	2005	2012	2023	rBV	373902	616926	66.49%	12.914%

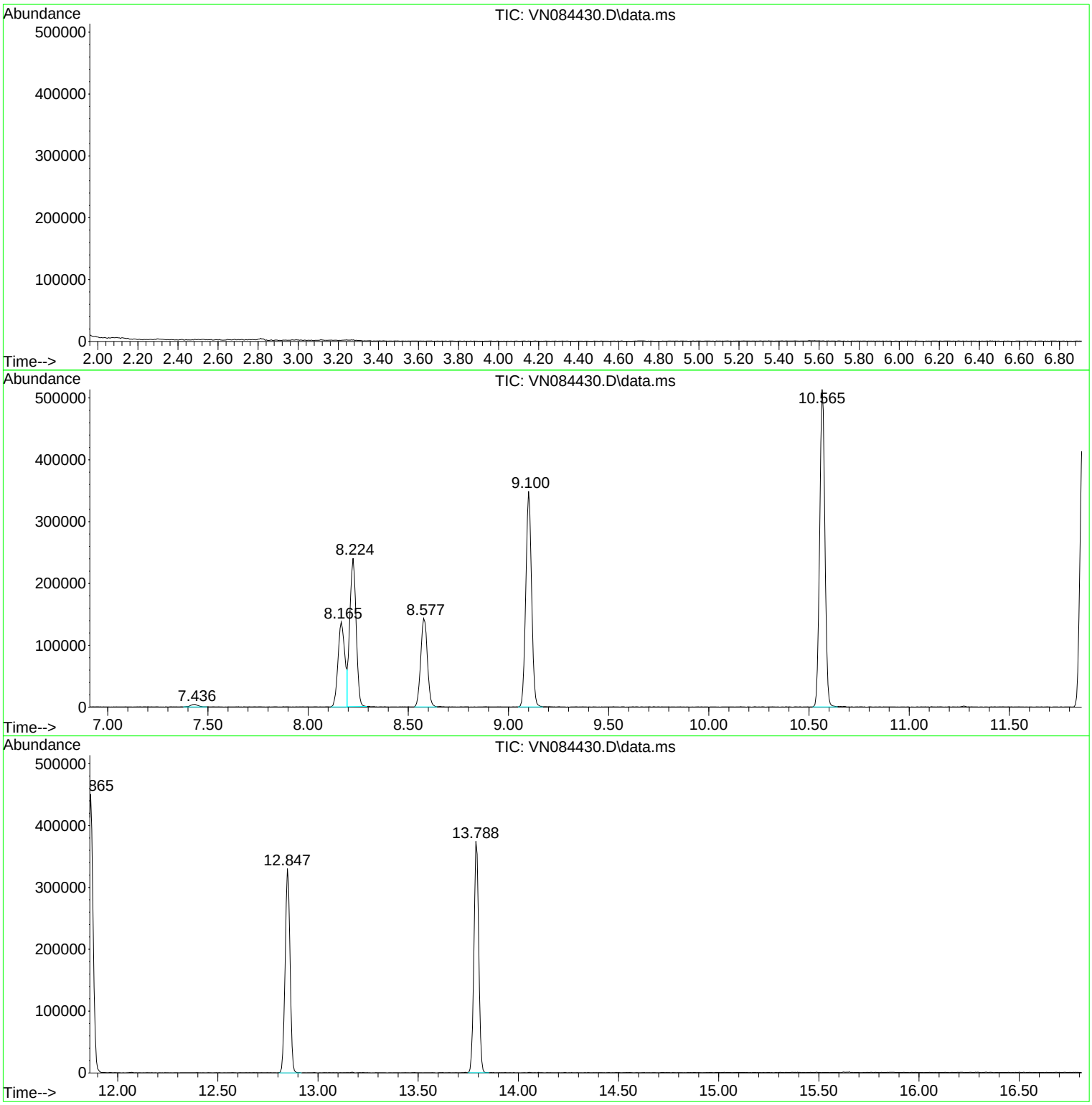
Sum of corrected areas: 4777076

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.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\VY102224\
Data File : VY019970.D
Acq On : 22 Oct 2024 10:36
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Quant Time: Oct 23 01:24:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	219150	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	450425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	395647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	132931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150698	55.848	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.700%			
35) Dibromofluoromethane	7.634	113	145305	48.886	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.780%			
50) Toluene-d8	10.109	98	554994	50.563	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.120%			
62) 4-Bromofluorobenzene	12.408	95	159930	40.325	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 80.640%			

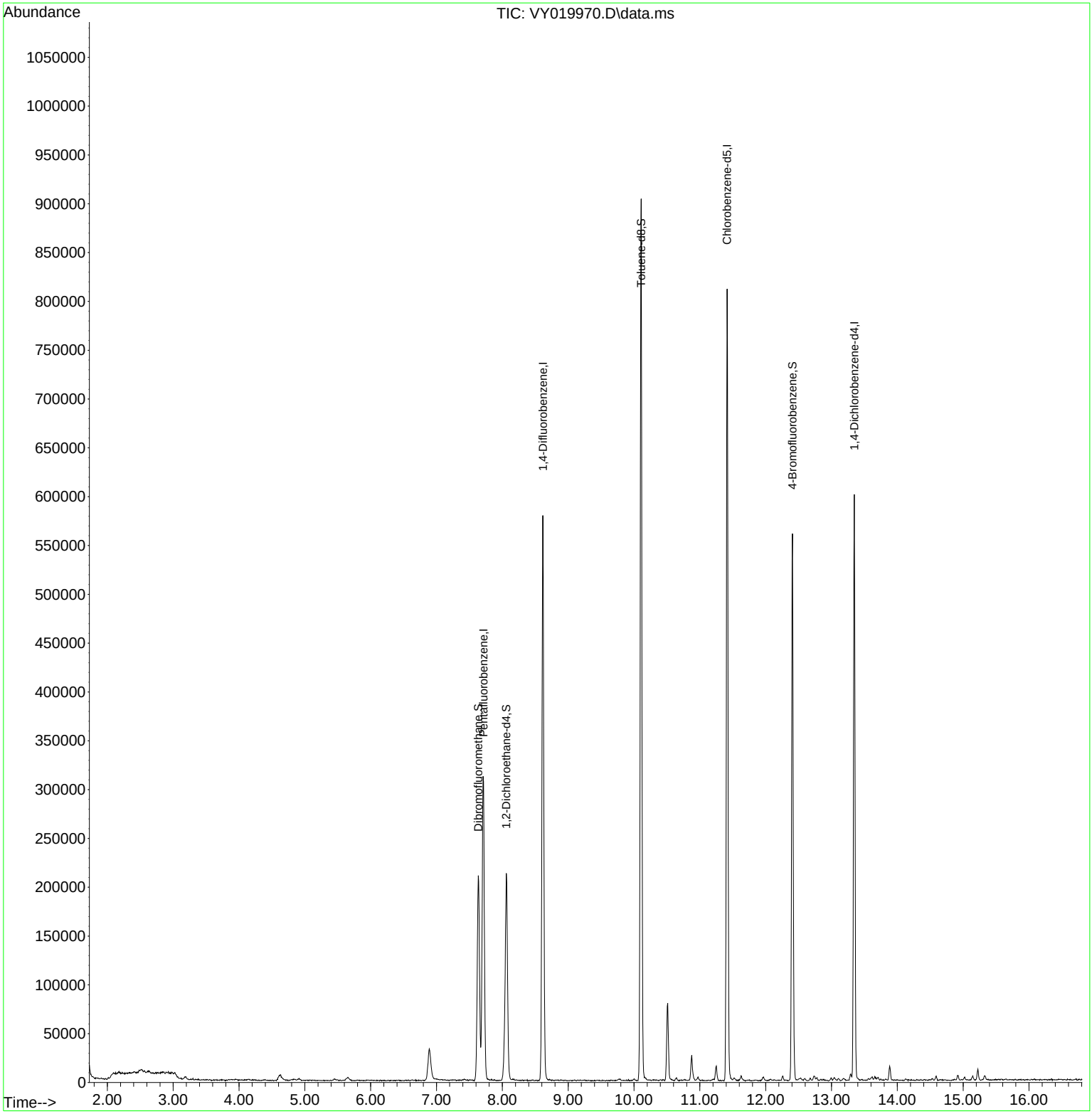
Target Compounds Qvalue

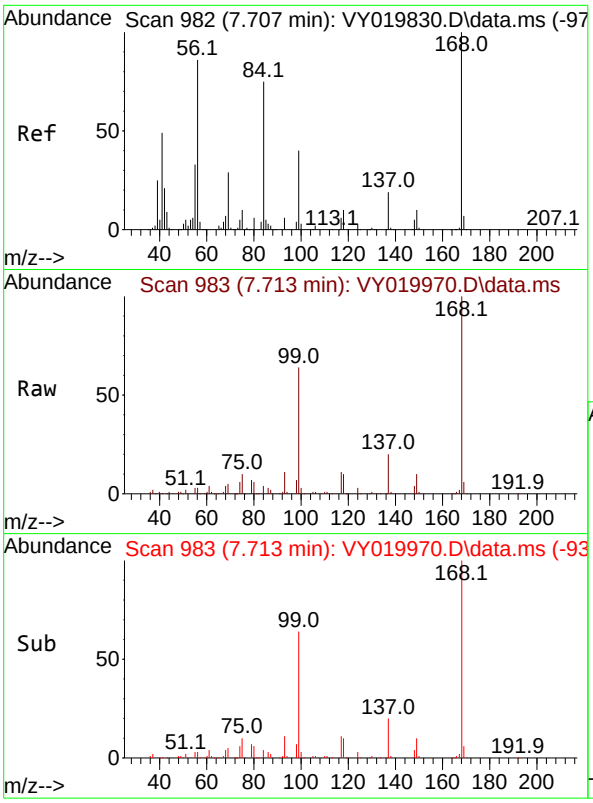
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019970.D
Acq On : 22 Oct 2024 10:36
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Quant Time: Oct 23 01:24:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



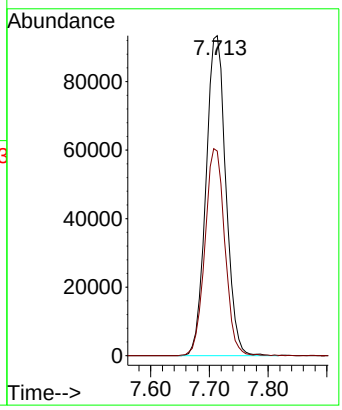


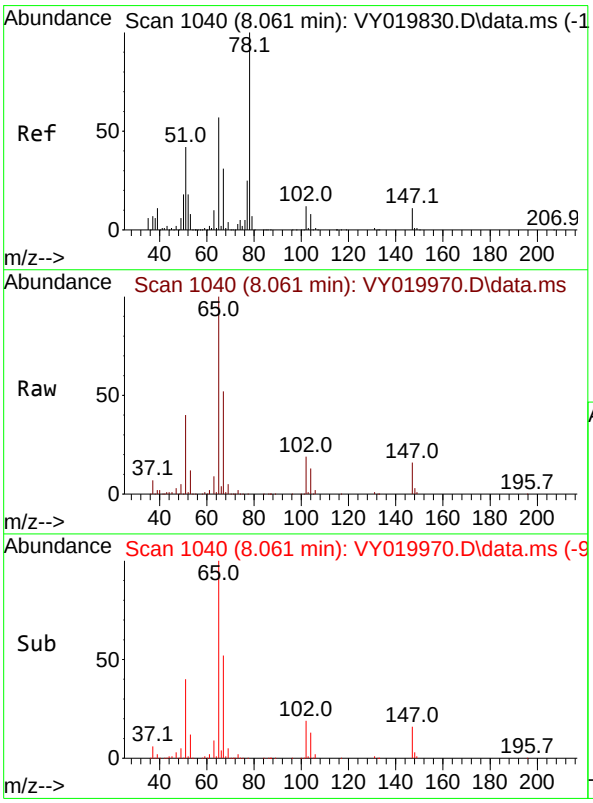
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Tgt Ion:168 Resp: 219150

Ion	Ratio	Lower	Upper
168	100		
99	64.0	39.1	58.7#

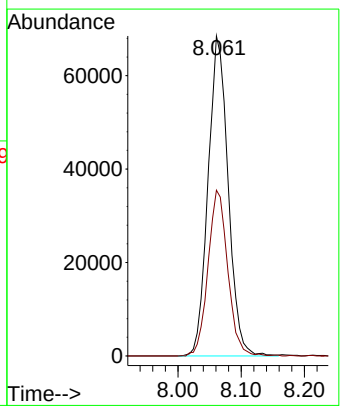


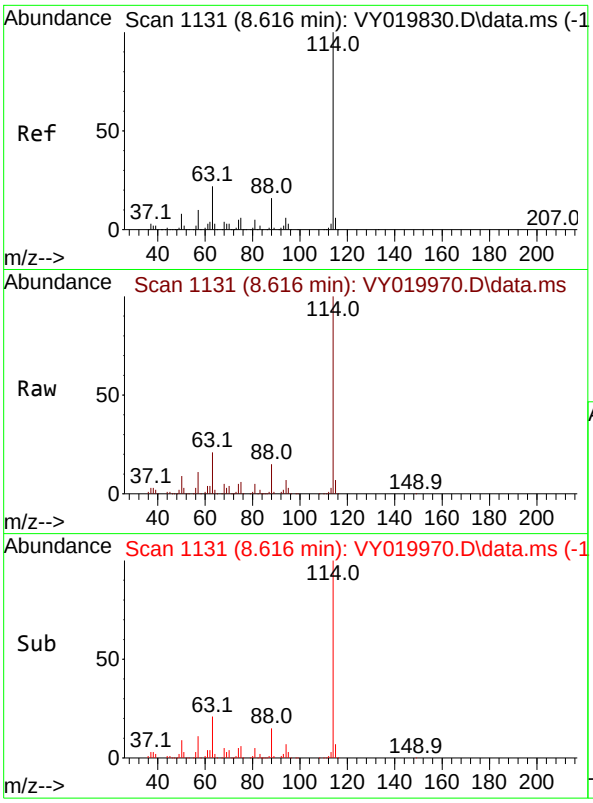


#33
1,2-Dichloroethane-d4
Concen: 55.848 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Tgt Ion: 65 Resp: 150698

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	109.6



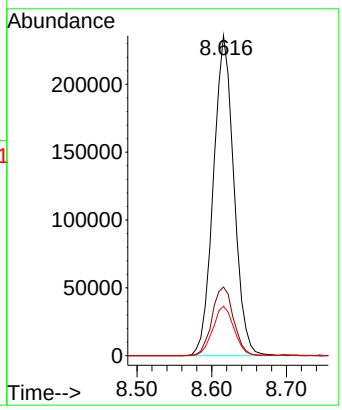


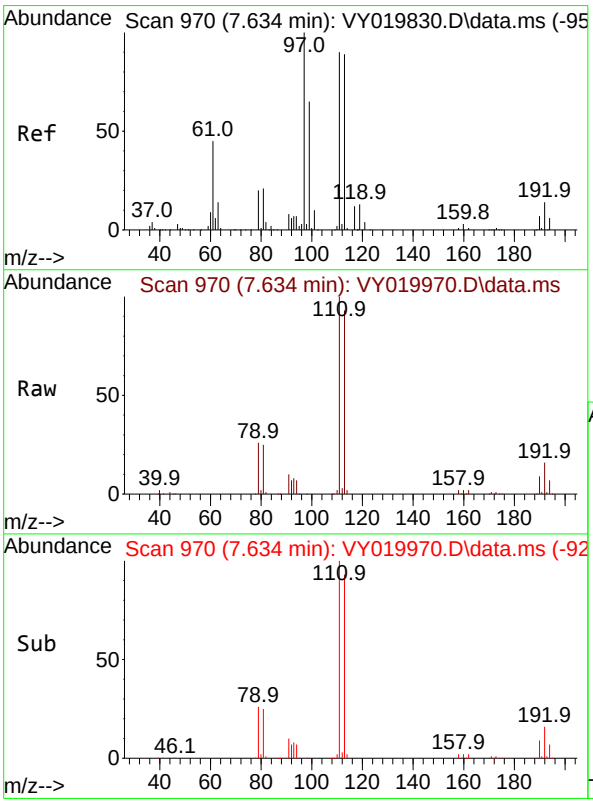
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Tgt Ion:114 Resp: 450425

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	35.0
88	15.5	0.0	27.2

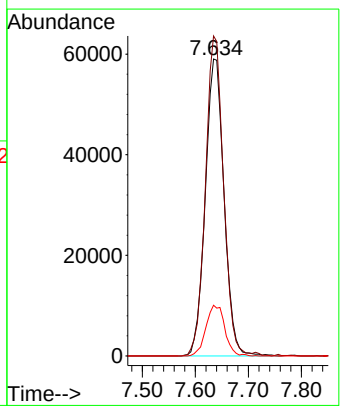


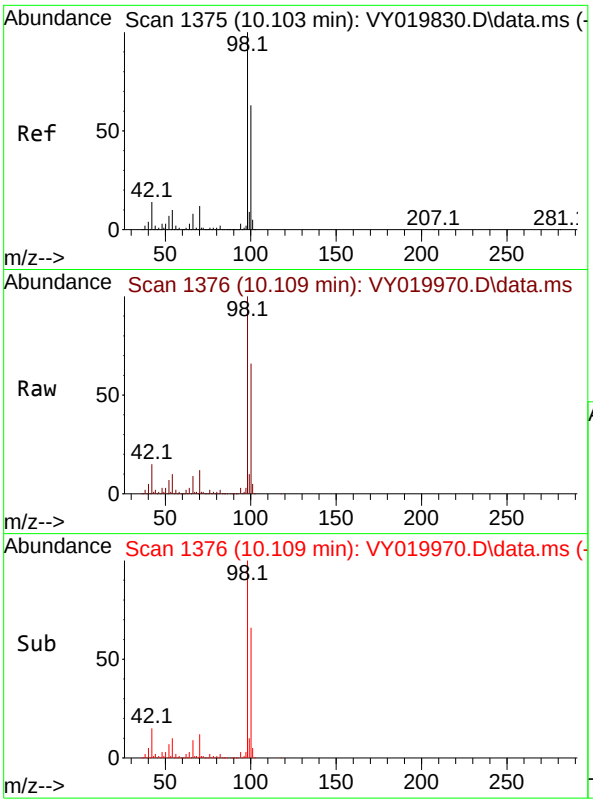


#35
Dibromofluoromethane
Concen: 48.886 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Tgt Ion:113 Resp: 145305

Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.4
192	17.1	15.9	23.9



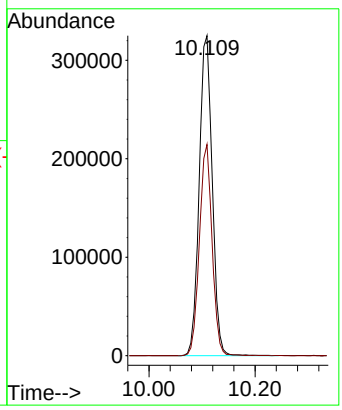


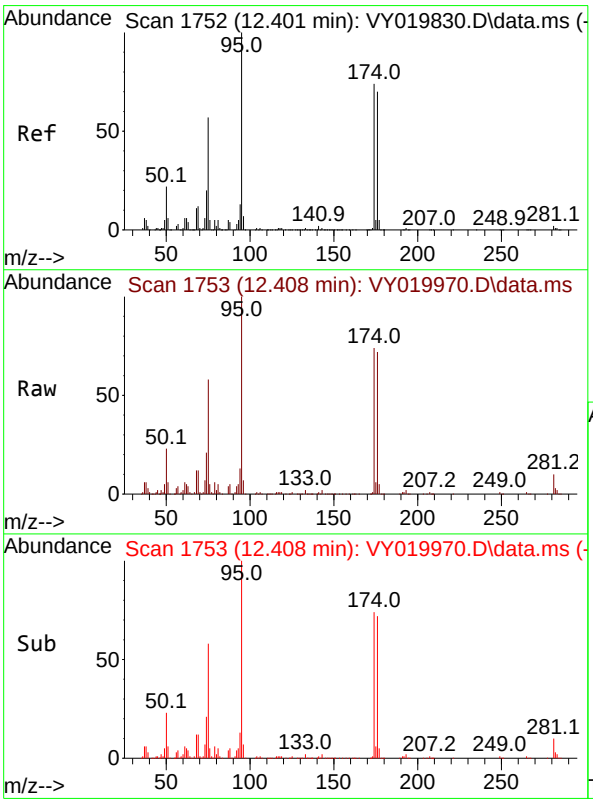
#50
Toluene-d8
Concen: 50.563 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Tgt Ion: 98 Resp: 554994

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0

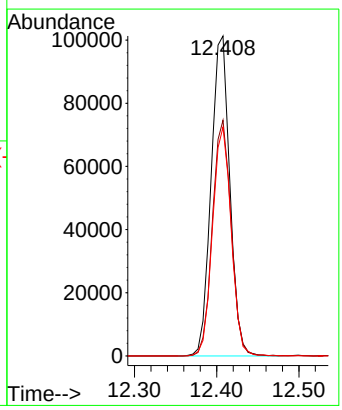


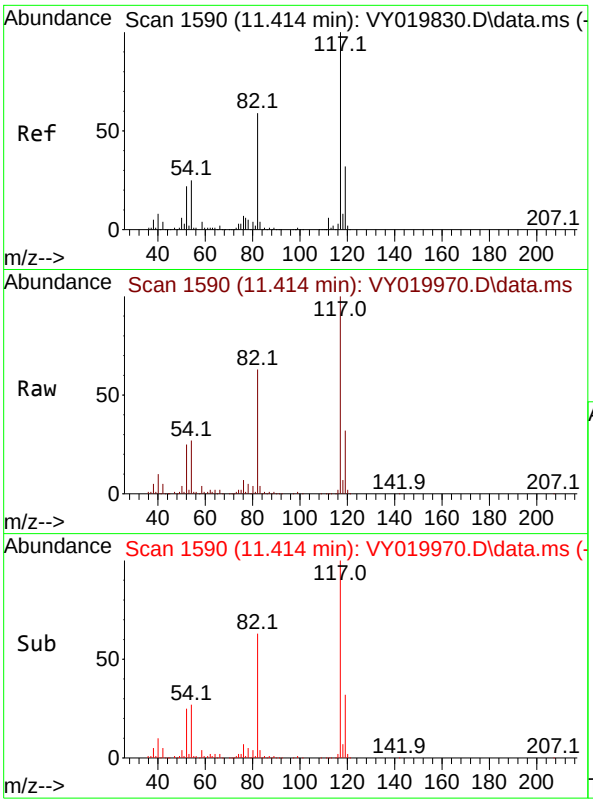


#62
4-Bromofluorobenzene
Concen: 40.325 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Tgt Ion: 95 Resp: 159930

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	175.6
176	71.3	0.0	171.4



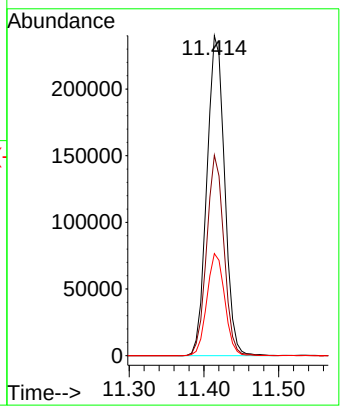


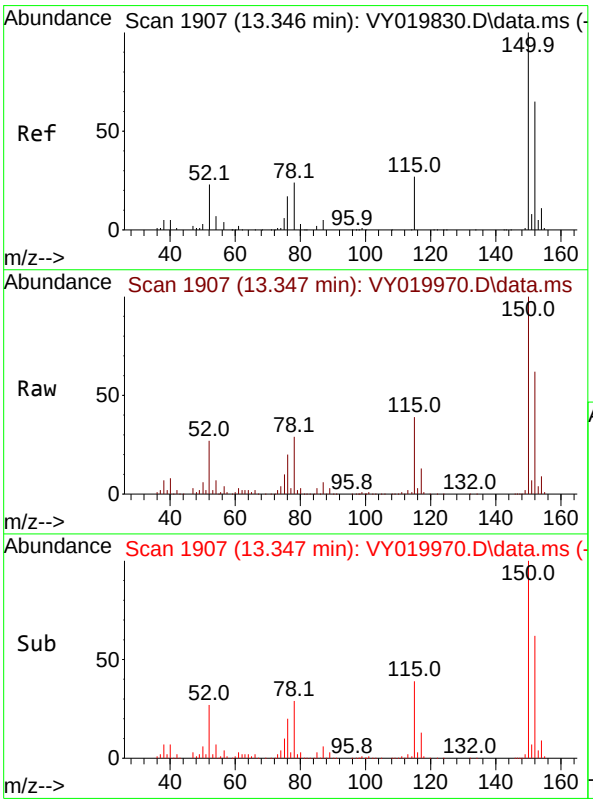
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Tgt Ion:117 Resp: 395647

Ion	Ratio	Lower	Upper
117	100		
82	62.6	42.4	63.6
119	31.9	25.9	38.9

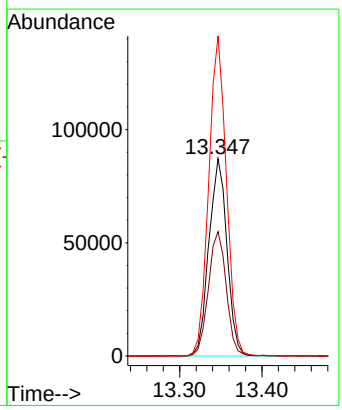




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Tgt Ion:152 Resp: 132931

Ion	Ratio	Lower	Upper
152	100		
115	62.3	28.2	84.7
150	158.7	0.0	345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019970.D
Acq On : 22 Oct 2024 10:36
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

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\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY019970.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.092	50	61	65	rBV5	5719	19578	1.27%	0.244%
2	6.890	836	848	862	rBV	32414	107177	6.98%	1.335%
3	7.634	960	970	976	rBV	210336	504737	32.86%	6.287%
4	7.707	976	982	993	rVB	310616	721755	46.98%	8.991%
5	8.061	1025	1040	1052	rBV2	212210	537568	34.99%	6.696%
6	8.616	1121	1131	1145	rBV	578997	1125141	73.24%	14.015%
7	10.109	1368	1376	1384	rBV	903209	1536236	100.00%	19.136%
8	10.512	1434	1442	1450	rBV	79596	146640	9.55%	1.827%
9	10.877	1496	1502	1510	rVB2	25665	45490	2.96%	0.567%
10	11.249	1558	1563	1568	rVB	14826	25408	1.65%	0.316%
11	11.414	1582	1590	1599	rBV	811204	1341171	87.30%	16.706%
12	12.408	1742	1753	1762	rBV2	560356	942002	61.32%	11.734%
13	13.347	1901	1907	1920	rVB	600058	933703	60.78%	11.631%
14	13.883	1990	1995	2001	rVB2	14312	23146	1.51%	0.288%
15	15.224	2209	2215	2222	rVB2	11407	18113	1.18%	0.226%

Sum of corrected areas: 8027865

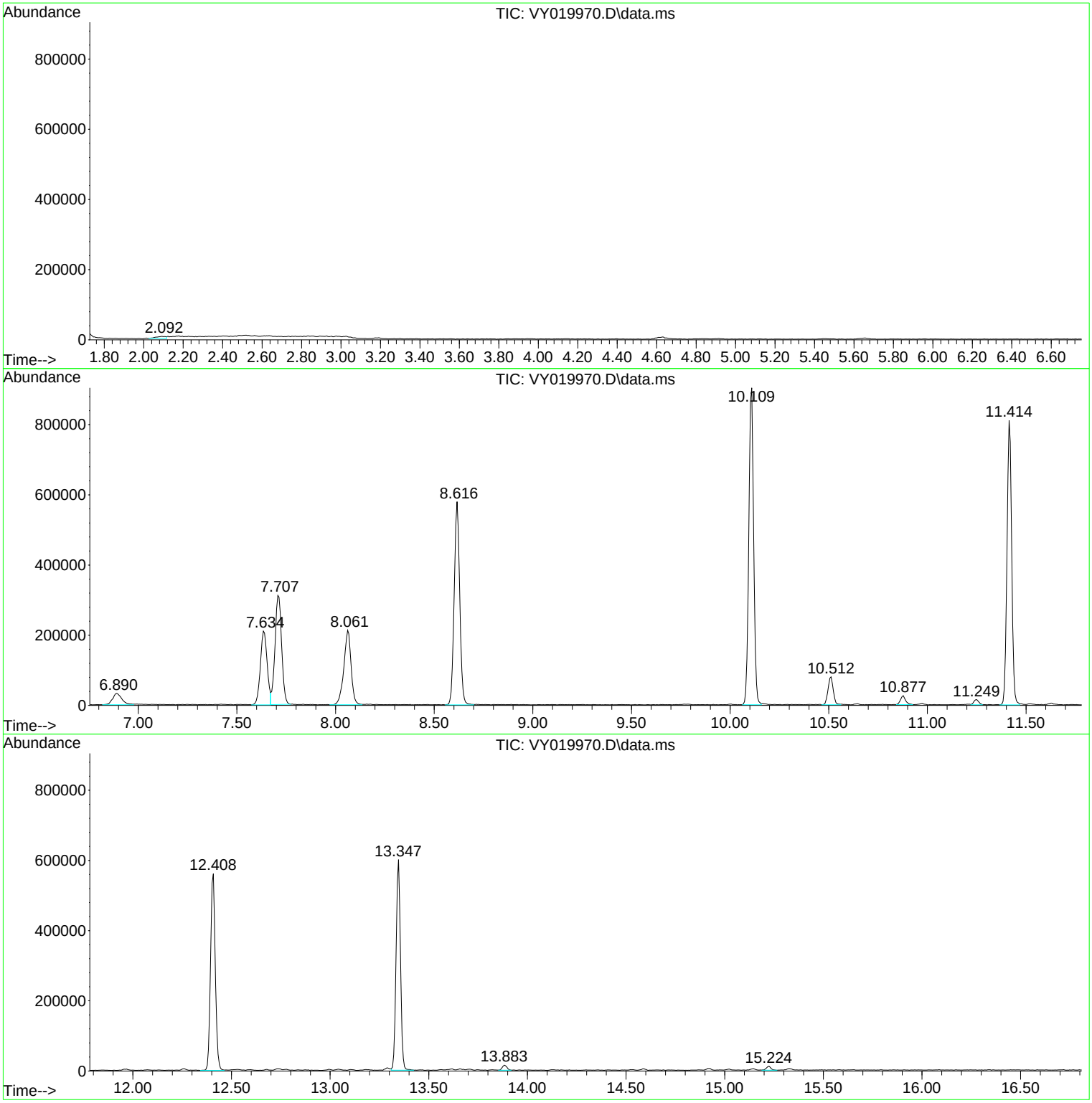
Sample Results: **VY019970.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019970.D
Acq On : 22 Oct 2024 10:36
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019970.D
Acq On : 22 Oct 2024 10:36
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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\VY102224\
Data File : VY019970.D
Acq On : 22 Oct 2024 10:36
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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_N\Data\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 01:32:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	189913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142332	50.547	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.100%			
35) Dibromofluoromethane	8.165	113	115508	54.258	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.520%			
50) Toluene-d8	10.565	98	422532	53.947	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.900%			
62) 4-Bromofluorobenzene	12.847	95	149865	52.521	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	36261	16.142	ug/l	95
3) Chloromethane	2.359	50	41235	16.076	ug/l	96
4) Vinyl Chloride	2.512	62	41507	16.706	ug/l	100
5) Bromomethane	2.953	94	26963	16.453	ug/l	98
6) Chloroethane	3.124	64	26726	15.020	ug/l	99
7) Trichlorofluoromethane	3.500	101	70146	18.131	ug/l	98
8) Diethyl Ether	3.965	74	24127	16.814	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.377	101	40161	18.116	ug/l	98
10) Methyl Iodide	4.589	142	48908	17.131	ug/l	96
11) Tert butyl alcohol	5.518	59	36415	78.429	ug/l #	94
12) 1,1-Dichloroethene	4.342	96	37659	17.612	ug/l	97
13) Acrolein	4.183	56	26602	49.907	ug/l	98
14) Allyl chloride	5.024	41	58352	15.713	ug/l	98
15) Acrylonitrile	5.718	53	109279	93.202	ug/l	99
16) Acetone	4.430	43	105837	87.496	ug/l	96
17) Carbon Disulfide	4.712	76	96169	14.205	ug/l	100
18) Methyl Acetate	5.030	43	59251	22.474	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	130984	18.149	ug/l	98
20) Methylene Chloride	5.271	84	45743	18.603	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	38888	17.359	ug/l	95
22) Diisopropyl ether	6.671	45	141732	18.451	ug/l	98
23) Vinyl Acetate	6.600	43	468614	82.252	ug/l	98
24) 1,1-Dichloroethane	6.571	63	82481	19.201	ug/l	97
25) 2-Butanone	7.483	43	146074	88.663	ug/l	98
26) 2,2-Dichloropropane	7.488	77	71005	18.333	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	49184	18.169	ug/l	98
28) Bromochloromethane	7.812	49	37550	19.592	ug/l	97
29) Tetrahydrofuran	7.841	42	90421	88.935	ug/l	98
30) Chloroform	7.971	83	84755	18.995	ug/l	100
31) Cyclohexane	8.259	56	66762	16.007	ug/l #	97
32) 1,1,1-Trichloroethane	8.171	97	74940	18.700	ug/l	97
36) 1,1-Dichloropropene	8.371	75	56161	18.162	ug/l	97
37) Ethyl Acetate	7.559	43	57455	18.111	ug/l	99
38) Carbon Tetrachloride	8.365	117	64152	18.912	ug/l	94
39) Methylcyclohexane	9.600	83	55643	16.168	ug/l	96
40) Benzene	8.606	78	183073	19.002	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 01:32:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	29860	17.338	ug/l		93
42) 1,2-Dichloroethane	8.671	62	61753	18.907	ug/l		99
43) Isopropyl Acetate	8.688	43	94050	15.136	ug/l		98
44) Trichloroethene	9.347	130	43127	19.166	ug/l		98
45) 1,2-Dichloropropane	9.624	63	44771	19.644	ug/l		98
46) Dibromomethane	9.706	93	31378	20.401	ug/l		96
47) Bromodichloromethane	9.888	83	66599	19.490	ug/l		96
48) Methyl methacrylate	9.682	41	43352	17.526	ug/l		98
49) 1,4-Dioxane	9.694	88	16997	373.245	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	292338	96.801	ug/l		100
52) Toluene	10.629	92	114864	19.551	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	64356	18.476	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	70777	18.891	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	43053	20.441	ug/l		97
56) Ethyl methacrylate	10.871	69	65255	18.829	ug/l		96
57) 1,3-Dichloropropane	11.165	76	74113	19.693	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	139755	86.930	ug/l		98
59) 2-Hexanone	11.194	43	216944	96.112	ug/l		99
60) Dibromochloromethane	11.359	129	50030	20.104	ug/l		99
61) 1,2-Dibromoethane	11.465	107	41569	18.994	ug/l		98
64) Tetrachloroethene	11.100	164	37454	18.924	ug/l		95
65) Chlorobenzene	11.888	112	121076	19.217	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.959	131	43109	19.865	ug/l		99
67) Ethyl Benzene	11.965	91	205793	18.470	ug/l		100
68) m/p-Xylenes	12.070	106	158675	38.498	ug/l		100
69) o-Xylene	12.400	106	78180	20.049	ug/l		96
70) Styrene	12.412	104	129069	19.541	ug/l		99
71) Bromoform	12.576	173	31202	19.529	ug/l	#	95
73) Isopropylbenzene	12.694	105	191996	18.189	ug/l		98
74) N-amyl acetate	12.494	43	79653	16.664	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	61726	19.448	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	58038m	20.552	ug/l		
77) Bromobenzene	12.982	156	48284	18.964	ug/l		95
78) n-propylbenzene	13.035	91	231176	18.903	ug/l		99
79) 2-Chlorotoluene	13.123	91	145730	18.674	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	168330	19.550	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	19953	16.940	ug/l		98
82) 4-Chlorotoluene	13.217	91	149766	19.064	ug/l		100
83) tert-Butylbenzene	13.435	119	141261	18.459	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	169548	19.547	ug/l		99
85) sec-Butylbenzene	13.617	105	195385	19.133	ug/l		99
86) p-Isopropyltoluene	13.729	119	161505	19.125	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	88692	18.569	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	90608	18.784	ug/l		99
89) n-Butylbenzene	14.053	91	132089	17.250	ug/l		99
90) Hexachloroethane	14.329	117	31571	18.419	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	85799	18.319	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11177	17.065	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	40526	17.567	ug/l		100
94) Hexachlorobutadiene	15.500	225	19271	16.751	ug/l		98
95) Naphthalene	15.641	128	119595	15.638	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	39826	17.247	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 01:32:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

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

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

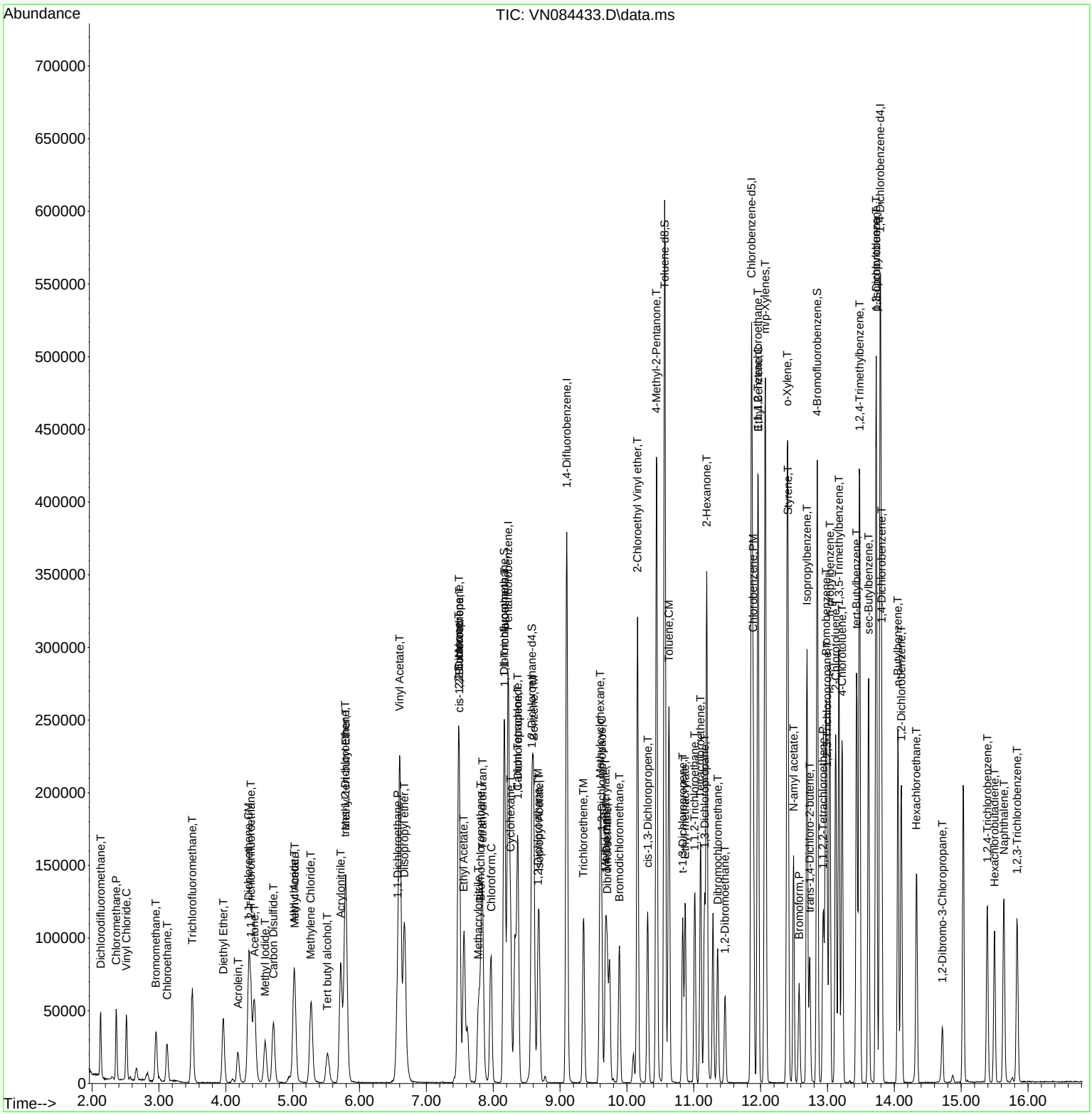
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Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 01:32:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019971.D
Acq On : 22 Oct 2024 11:16
Operator : SY/MD
Sample : VY1022SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 01:24:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations APPROVED
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	215657	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	379714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	332435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	160914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141380	53.243	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.480%			
35) Dibromofluoromethane	7.634	113	133012	53.084	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.160%			
50) Toluene-d8	10.109	98	475907	51.432	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.402	95	170290	50.932	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 101.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	33223	16.549	ug/l	98
3) Chloromethane	2.068	50	49488	18.940	ug/l	100
4) Vinyl Chloride	2.208	62	55873	19.432	ug/l	98
5) Bromomethane	2.598	94	37858	20.801	ug/l	100
6) Chloroethane	2.739	64	38712	20.041	ug/l	100
7) Trichlorofluoromethane	3.062	101	85347	19.948	ug/l	96
8) Diethyl Ether	3.452	74	25847	19.877	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.824	101	50745	20.391	ug/l	93
10) Methyl Iodide	4.007	142	41636	16.542	ug/l	91
11) Tert butyl alcohol	4.866	59	25021m	106.212	ug/l	
12) 1,1-Dichloroethene	3.793	96	42185	18.234	ug/l #	83
13) Acrolein	3.659	56	16151	82.776	ug/l	98
14) Allyl chloride	4.385	41	81015	19.408	ug/l #	89
15) Acrylonitrile	5.061	53	66986	112.627	ug/l	98
16) Acetone	3.873	43	78126	113.024	ug/l #	82
17) Carbon Disulfide	4.110	76	81763	13.185	ug/l	97
18) Methyl Acetate	4.385	43	31430	21.108	ug/l #	86
19) Methyl tert-butyl Ether	5.116	73	139186	20.941	ug/l	99
20) Methylene Chloride	4.622	84	56101	21.506	ug/l #	79
21) trans-1,2-Dichloroethene	5.116	96	45321	17.999	ug/l #	83
22) Diisopropyl ether	6.019	45	203752	22.409	ug/l	89
23) Vinyl Acetate	5.964	43	546717	104.884	ug/l #	89
24) 1,1-Dichloroethane	5.921	63	108940	21.554	ug/l	94
25) 2-Butanone	6.896	43	102585	110.874	ug/l #	86
26) 2,2-Dichloropropane	6.884	77	90383	20.079	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	62331	20.031	ug/l	80
28) Bromochloromethane	7.244	49	48033	21.591	ug/l #	70
29) Tetrahydrofuran	7.262	42	54967	104.047	ug/l #	83
30) Chloroform	7.421	83	112806	21.894	ug/l	97
31) Cyclohexane	7.701	56	80071	18.047	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	92780	20.548	ug/l #	93
36) 1,1-Dichloropropene	7.835	75	71236	19.734	ug/l	94
37) Ethyl Acetate	6.988	43	40100	21.303	ug/l	95
38) Carbon Tetrachloride	7.817	117	76692	19.817	ug/l	97
39) Methylcyclohexane	9.110	83	80260	17.646	ug/l #	87
40) Benzene	8.079	78	219502	20.092	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019971.D
Acq On : 22 Oct 2024 11:16
Operator : SY/MD
Sample : VY1022SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 01:24:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	19341	18.985	ug/l		92
42) 1,2-Dichloroethane	8.158	62	65423	20.844	ug/l		95
43) Isopropyl Acetate	8.195	43	79333	20.666	ug/l	#	80
44) Trichloroethene	8.866	130	50367	19.035	ug/l		93
45) 1,2-Dichloropropane	9.140	63	59274	21.677	ug/l		98
46) Dibromomethane	9.231	93	30961	20.724	ug/l		89
47) Bromodichloromethane	9.420	83	86000	21.687	ug/l	#	99
48) Methyl methacrylate	9.219	41	34794	20.605	ug/l	#	80
49) 1,4-Dioxane	9.231	88	7330	438.363	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.000	43	217037	110.843	ug/l		90
52) Toluene	10.170	92	138788	20.352	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	72028	20.187	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	83472	19.826	ug/l	#	80
55) 1,1,2-Trichloroethane	10.573	97	44204	22.457	ug/l		95
56) Ethyl methacrylate	10.439	69	58852	20.837	ug/l	#	75
57) 1,3-Dichloropropane	10.713	76	74227	21.473	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	135351	102.941	ug/l		91
59) 2-Hexanone	10.762	43	158039	113.005	ug/l		86
60) Dibromochloromethane	10.914	129	52796	20.897	ug/l		100
61) 1,2-Dibromoethane	11.012	107	36218	20.362	ug/l		100
64) Tetrachloroethene	10.646	164	43834	18.538	ug/l		98
65) Chlorobenzene	11.438	112	153304	20.162	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.512	131	52074	20.242	ug/l		100
67) Ethyl Benzene	11.518	91	275703	19.961	ug/l		100
68) m/p-Xylenes	11.627	106	200508	39.306	ug/l		91
69) o-Xylene	11.950	106	94910	19.365	ug/l		87
70) Styrene	11.969	104	166953	20.190	ug/l		96
71) Bromoform	12.133	173	28091	20.398	ug/l	#	92
73) Isopropylbenzene	12.255	105	267844	19.789	ug/l		98
74) N-amyl acetate	12.066	43	72695	20.278	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	53178	22.111	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	34549m	10.960	ug/l		
77) Bromobenzene	12.530	156	55338	19.267	ug/l		83
78) n-propylbenzene	12.591	91	329337	20.137	ug/l		97
79) 2-Chlorotoluene	12.676	91	186478	19.889	ug/l		95
80) 1,3,5-Trimethylbenzene	12.737	105	213940	19.572	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.298	75	15058	19.281	ug/l	#	82
82) 4-Chlorotoluene	12.773	91	190256	19.845	ug/l		95
83) tert-Butylbenzene	12.993	119	202672	20.697	ug/l		95
84) 1,2,4-Trimethylbenzene	13.042	105	208163	19.208	ug/l		100
85) sec-Butylbenzene	13.176	105	302618	20.684	ug/l		96
86) p-Isopropyltoluene	13.292	119	239445	20.155	ug/l		95
87) 1,3-Dichlorobenzene	13.286	146	112443	19.386	ug/l		95
88) 1,4-Dichlorobenzene	13.365	146	111972	19.650	ug/l		97
89) n-Butylbenzene	13.615	91	237965	20.513	ug/l		98
90) Hexachloroethane	13.877	117	47683	20.612	ug/l		85
91) 1,2-Dichlorobenzene	13.657	146	103209	20.251	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8010	20.869	ug/l		67
93) 1,2,4-Trichlorobenzene	14.919	180	51648	18.073	ug/l		98
94) Hexachlorobutadiene	15.023	225	31251	19.670	ug/l		96
95) Naphthalene	15.145	128	98435	18.263	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	44764	18.530	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019971.D
Acq On : 22 Oct 2024 11:16
Operator : SY/MD
Sample : VY1022SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 01:24:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

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

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

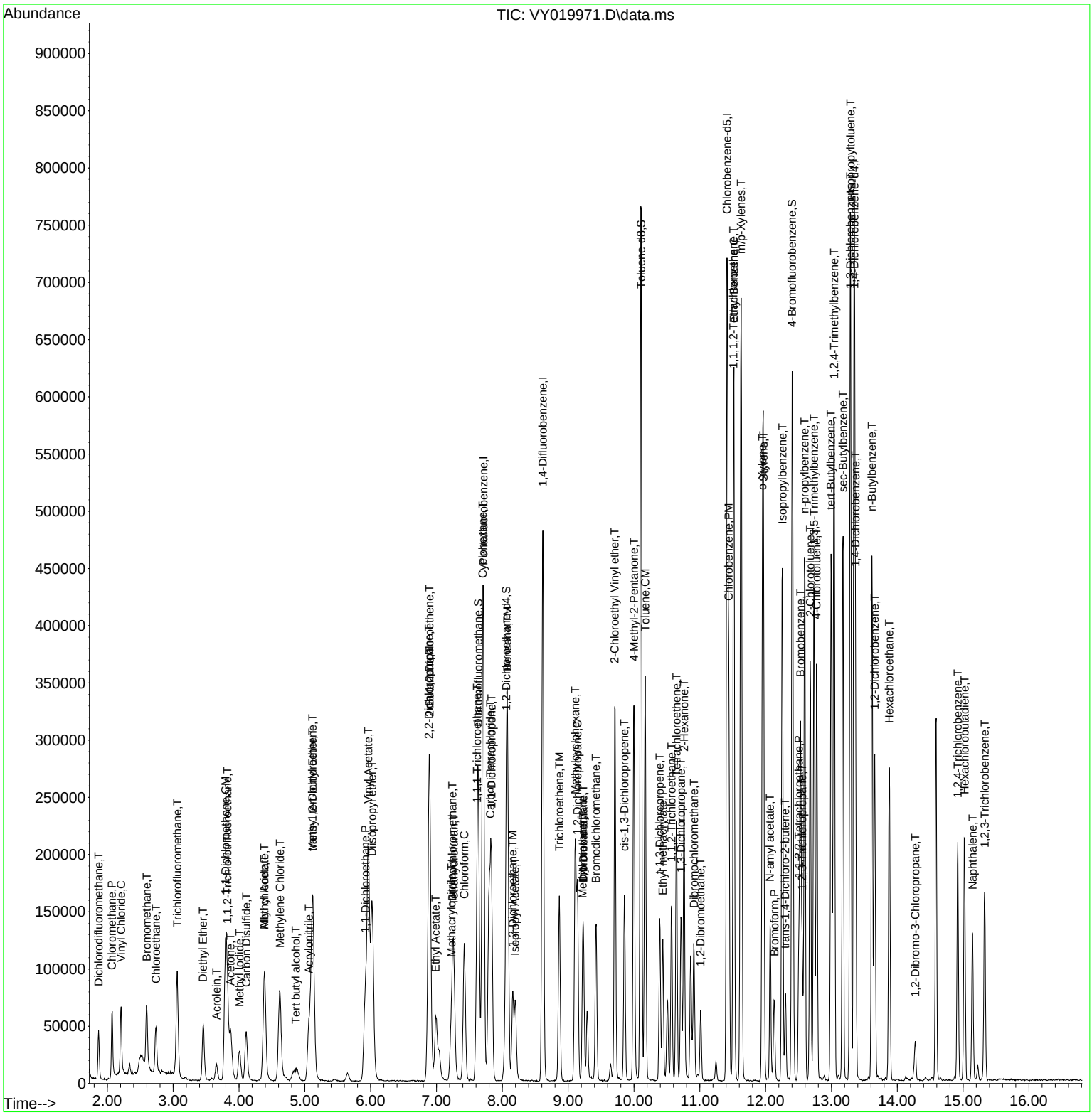
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Data File : VY019971.D
Acq On : 22 Oct 2024 11:16
Operator : SY/MD
Sample : VY1022SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 01:24:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 01:33:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123457	51.056	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.120%			
35) Dibromofluoromethane	8.165	113	97003	52.829	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.660%			
50) Toluene-d8	10.565	98	350013	51.812	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.847	95	129081	52.449	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	32472	16.833	ug/l	93
3) Chloromethane	2.359	50	35804	16.255	ug/l	98
4) Vinyl Chloride	2.512	62	36441	17.080	ug/l	99
5) Bromomethane	2.959	94	23913	16.992	ug/l	99
6) Chloroethane	3.118	64	24475	16.017	ug/l	96
7) Trichlorofluoromethane	3.501	101	63283	19.047	ug/l	90
8) Diethyl Ether	3.959	74	23522	19.089	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	36689	19.273	ug/l	98
10) Methyl Iodide	4.589	142	44167	18.016	ug/l	99
11) Tert butyl alcohol	5.518	59	35053	87.914	ug/l	97
12) 1,1-Dichloroethene	4.342	96	32588	17.747	ug/l	96
13) Acrolein	4.189	56	24397	53.300	ug/l	98
14) Allyl chloride	5.024	41	53083	16.646	ug/l	99
15) Acrylonitrile	5.718	53	102471	101.771	ug/l	97
16) Acetone	4.430	43	95163	91.613	ug/l	94
17) Carbon Disulfide	4.712	76	84276	14.496	ug/l	96
18) Methyl Acetate	5.030	43	54347	24.005	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	122872	19.826	ug/l	98
20) Methylene Chloride	5.271	84	42636	20.192	ug/l	84
21) trans-1,2-Dichloroethene	5.783	96	35388	18.395	ug/l	95
22) Diisopropyl ether	6.671	45	130999	19.859	ug/l	99
23) Vinyl Acetate	6.606	43	504977	103.215	ug/l	99
24) 1,1-Dichloroethane	6.571	63	72128	19.553	ug/l	96
25) 2-Butanone	7.483	43	136944	96.795	ug/l	97
26) 2,2-Dichloropropane	7.489	77	64755	19.469	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	44686	19.222	ug/l	98
28) Bromochloromethane	7.812	49	35788	21.744	ug/l	99
29) Tetrahydrofuran	7.841	42	85661	98.113	ug/l	97
30) Chloroform	7.965	83	76845	20.055	ug/l	97
31) Cyclohexane	8.253	56	58106	16.223	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	68247	19.832	ug/l	96
36) 1,1-Dichloropropene	8.371	75	49846	18.689	ug/l	99
37) Ethyl Acetate	7.559	43	52425	19.160	ug/l	99
38) Carbon Tetrachloride	8.359	117	56628	19.356	ug/l	96
39) Methylcyclohexane	9.600	83	50490	17.009	ug/l	98
40) Benzene	8.606	78	162968	19.612	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 01:33:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	29826	20.079	ug/l		97
42) 1,2-Dichloroethane	8.671	62	58026	20.598	ug/l		99
43) Isopropyl Acetate	8.688	43	88049	16.429	ug/l		97
44) Trichloroethene	9.353	130	37926	19.541	ug/l		97
45) 1,2-Dichloropropane	9.624	63	41049	20.882	ug/l		96
46) Dibromomethane	9.712	93	29187	22.002	ug/l		99
47) Bromodichloromethane	9.888	83	61715	20.940	ug/l		98
48) Methyl methacrylate	9.682	41	40695	19.075	ug/l		97
49) 1,4-Dioxane	9.694	88	16333	415.845	ug/l		97
51) 4-Methyl-2-Pentanone	10.447	43	271816	104.354	ug/l		99
52) Toluene	10.629	92	102809	20.289	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	59188	19.701	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	64640	20.003	ug/l		94
55) 1,1,2-Trichloroethane	11.012	97	40810	22.465	ug/l		96
56) Ethyl methacrylate	10.871	69	59539	19.919	ug/l		98
57) 1,3-Dichloropropane	11.165	76	68931	21.236	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	141699	102.191	ug/l		97
59) 2-Hexanone	11.194	43	198917	102.176	ug/l		99
60) Dibromochloromethane	11.359	129	46724	21.769	ug/l		98
61) 1,2-Dibromoethane	11.471	107	39150	20.741	ug/l		100
64) Tetrachloroethene	11.106	164	34348	19.288	ug/l		94
65) Chlorobenzene	11.888	112	110738	19.535	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	39189	20.071	ug/l		99
67) Ethyl Benzene	11.965	91	184057	18.360	ug/l		99
68) m/p-Xylenes	12.071	106	144045	38.843	ug/l		98
69) o-Xylene	12.400	106	66105	18.841	ug/l		93
70) Styrene	12.412	104	117753	19.814	ug/l		99
71) Bromoform	12.576	173	29825	20.747	ug/l	#	99
73) Isopropylbenzene	12.694	105	173820	18.352	ug/l		99
74) N-amyl acetate	12.494	43	73994	17.252	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	58745	20.627	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	55231m	21.797	ug/l		
77) Bromobenzene	12.976	156	44718	19.574	ug/l		95
78) n-propylbenzene	13.035	91	210981	19.226	ug/l		100
79) 2-Chlorotoluene	13.123	91	129620	18.511	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	148466	19.217	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	18939	17.919	ug/l		99
82) 4-Chlorotoluene	13.218	91	135329	19.198	ug/l		97
83) tert-Butylbenzene	13.435	119	126785	18.464	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	153677	19.745	ug/l		98
85) sec-Butylbenzene	13.618	105	175585	19.162	ug/l		100
86) p-Isopropyltoluene	13.729	119	145633	19.220	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	82553	19.262	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	83788	19.359	ug/l		98
89) n-Butylbenzene	14.059	91	122012	17.758	ug/l		99
90) Hexachloroethane	14.329	117	27657	17.982	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	78881	18.770	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10881	18.515	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	38616	18.655	ug/l		99
94) Hexachlorobutadiene	15.506	225	17729	17.175	ug/l		99
95) Naphthalene	15.641	128	115061	16.767	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	37660	18.175	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 01:33:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

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

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

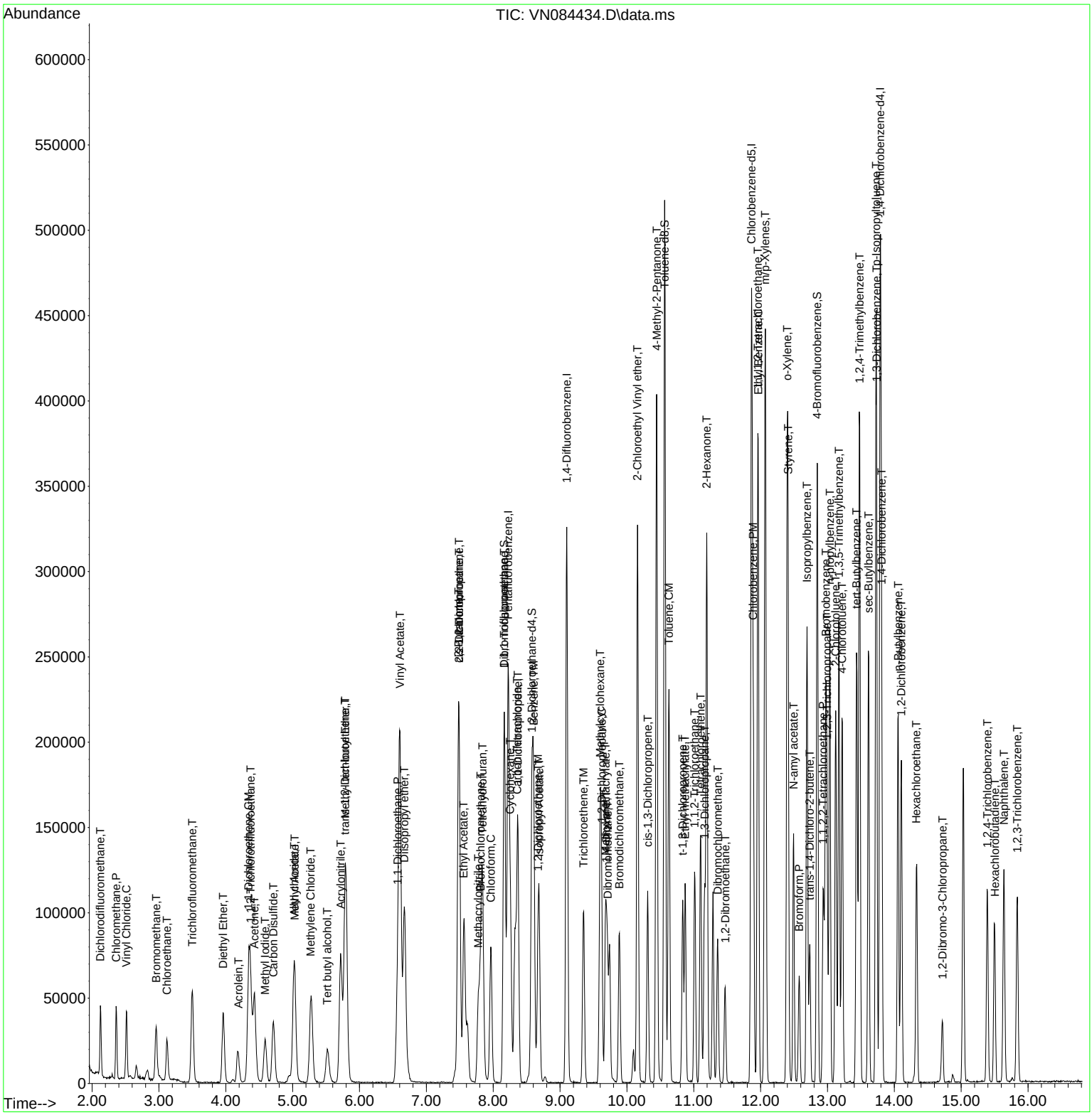
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Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 01:33:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019972.D
Acq On : 22 Oct 2024 11:38
Operator : SY/MD
Sample : VY1022SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 23 01:25:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations APPROVED
Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	222995	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	399190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	345246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156088	56.848	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.700%			
35) Dibromofluoromethane	7.628	113	147654	56.052	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.100%			
50) Toluene-d8	10.103	98	518648	53.316	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.640%			
62) 4-Bromofluorobenzene	12.401	95	187461	53.333	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 106.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	36062	17.372	ug/l	95
3) Chloromethane	2.068	50	49606	18.360	ug/l	95
4) Vinyl Chloride	2.202	62	55821	18.775	ug/l	95
5) Bromomethane	2.592	94	38520	20.469	ug/l	97
6) Chloroethane	2.732	64	40229	20.141	ug/l	96
7) Trichlorofluoromethane	3.055	101	87783	19.842	ug/l	97
8) Diethyl Ether	3.458	74	27366	20.353	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.811	101	51895	20.167	ug/l	89
10) Methyl Iodide	4.007	142	42219	16.222	ug/l #	87
11) Tert butyl alcohol	4.866	59	28518	119.003	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	42356	17.705	ug/l #	77
13) Acrolein	3.653	56	17583	87.150	ug/l	99
14) Allyl chloride	4.384	41	84995	19.691	ug/l #	90
15) Acrylonitrile	5.061	53	70363	114.412	ug/l	97
16) Acetone	3.866	43	83428	116.722	ug/l #	80
17) Carbon Disulfide	4.110	76	84222	13.135	ug/l	97
18) Methyl Acetate	4.384	43	34553	22.441	ug/l #	86
19) Methyl tert-butyl Ether	5.110	73	147148	21.410	ug/l	98
20) Methylene Chloride	4.616	84	56646	20.981	ug/l #	78
21) trans-1,2-Dichloroethene	5.110	96	48352	18.570	ug/l #	78
22) Diisopropyl ether	6.018	45	214474	22.812	ug/l #	89
23) Vinyl Acetate	5.957	43	590341	109.526	ug/l #	91
24) 1,1-Dichloroethane	5.915	63	115574	22.114	ug/l	99
25) 2-Butanone	6.896	43	112576	117.668	ug/l #	85
26) 2,2-Dichloropropane	6.884	77	92797	19.937	ug/l	94
27) cis-1,2-Dichloroethene	6.896	96	67380	20.941	ug/l	84
28) Bromochloromethane	7.238	49	51979	22.596	ug/l #	74
29) Tetrahydrofuran	7.262	42	61967	113.437	ug/l #	81
30) Chloroform	7.421	83	119791	22.485	ug/l	96
31) Cyclohexane	7.695	56	79144	17.251	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	95901	20.540	ug/l #	94
36) 1,1-Dichloropropene	7.835	75	71708	18.895	ug/l	94
37) Ethyl Acetate	6.982	43	44595	22.535	ug/l	97
38) Carbon Tetrachloride	7.817	117	76115	18.709	ug/l	98
39) Methylcyclohexane	9.109	83	83024	17.363	ug/l #	89
40) Benzene	8.079	78	232333	20.229	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019972.D
Acq On : 22 Oct 2024 11:38
Operator : SY/MD
Sample : VY1022SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 23 01:25:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	21915m	20.462	ug/l		
42) 1,2-Dichloroethane	8.158	62	70838	21.468	ug/l		95
43) Isopropyl Acetate	8.195	43	88186	21.851	ug/l	#	88
44) Trichloroethene	8.865	130	53833	19.352	ug/l		93
45) 1,2-Dichloropropane	9.140	63	62406	21.708	ug/l		95
46) Dibromomethane	9.231	93	33185	21.128	ug/l		88
47) Bromodichloromethane	9.420	83	90748	21.768	ug/l	#	93
48) Methyl methacrylate	9.219	41	38855	21.887	ug/l	#	81
49) 1,4-Dioxane	9.231	88	7666	436.089	ug/l	#	92
51) 4-Methyl-2-Pentanone	9.999	43	236937	115.102	ug/l		87
52) Toluene	10.170	92	147740	20.607	ug/l		96
53) t-1,3-Dichloropropene	10.390	75	75805	20.209	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	90917	20.541	ug/l	#	83
55) 1,1,2-Trichloroethane	10.572	97	45713	22.091	ug/l		97
56) Ethyl methacrylate	10.438	69	62657	21.102	ug/l	#	73
57) 1,3-Dichloropropane	10.713	76	79830	21.967	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	140702	101.789	ug/l		92
59) 2-Hexanone	10.761	43	168776	114.795	ug/l		85
60) Dibromochloromethane	10.908	129	56246	21.177	ug/l		100
61) 1,2-Dibromoethane	11.011	107	38498	20.588	ug/l		98
64) Tetrachloroethene	10.646	164	44825	18.254	ug/l		93
65) Chlorobenzene	11.438	112	159172	20.157	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	57723	21.605	ug/l		96
67) Ethyl Benzene	11.517	91	286431	19.968	ug/l		100
68) m/p-Xylenes	11.627	106	206259	38.933	ug/l		90
69) o-Xylene	11.950	106	100341	19.713	ug/l		90
70) Styrene	11.969	104	175410	20.426	ug/l		95
71) Bromoform	12.127	173	28873	20.187	ug/l	#	100
73) Isopropylbenzene	12.249	105	276863	20.190	ug/l		97
74) N-amyl acetate	12.066	43	77748	21.407	ug/l	#	85
75) 1,1,2,2-Tetrachloroethane	12.505	83	56863	23.337	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	35412m	11.088	ug/l		
77) Bromobenzene	12.529	156	58372	20.060	ug/l		82
78) n-propylbenzene	12.590	91	343357	20.722	ug/l		96
79) 2-Chlorotoluene	12.676	91	196135	20.648	ug/l		93
80) 1,3,5-Trimethylbenzene	12.731	105	222638	20.104	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.298	75	15335	19.381	ug/l	#	78
82) 4-Chlorotoluene	12.773	91	200305	20.623	ug/l		94
83) tert-Butylbenzene	12.993	119	203727	20.535	ug/l		93
84) 1,2,4-Trimethylbenzene	13.041	105	222492	20.264	ug/l		96
85) sec-Butylbenzene	13.169	105	308477	20.811	ug/l		96
86) p-Isopropyltoluene	13.291	119	243006	20.190	ug/l		95
87) 1,3-Dichlorobenzene	13.285	146	119217	20.287	ug/l		96
88) 1,4-Dichlorobenzene	13.365	146	118139	20.464	ug/l		96
89) n-Butylbenzene	13.615	91	244627	20.814	ug/l		97
90) Hexachloroethane	13.877	117	48467	20.680	ug/l		87
91) 1,2-Dichlorobenzene	13.657	146	106590	20.643	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.267	75	8487	21.825	ug/l		69
93) 1,2,4-Trichlorobenzene	14.919	180	56103	19.377	ug/l		98
94) Hexachlorobutadiene	15.017	225	31492	19.564	ug/l		99
95) Naphthalene	15.139	128	106373	19.480	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	46528	19.011	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019972.D
Acq On : 22 Oct 2024 11:38
Operator : SY/MD
Sample : VY1022SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 23 01:25:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

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

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

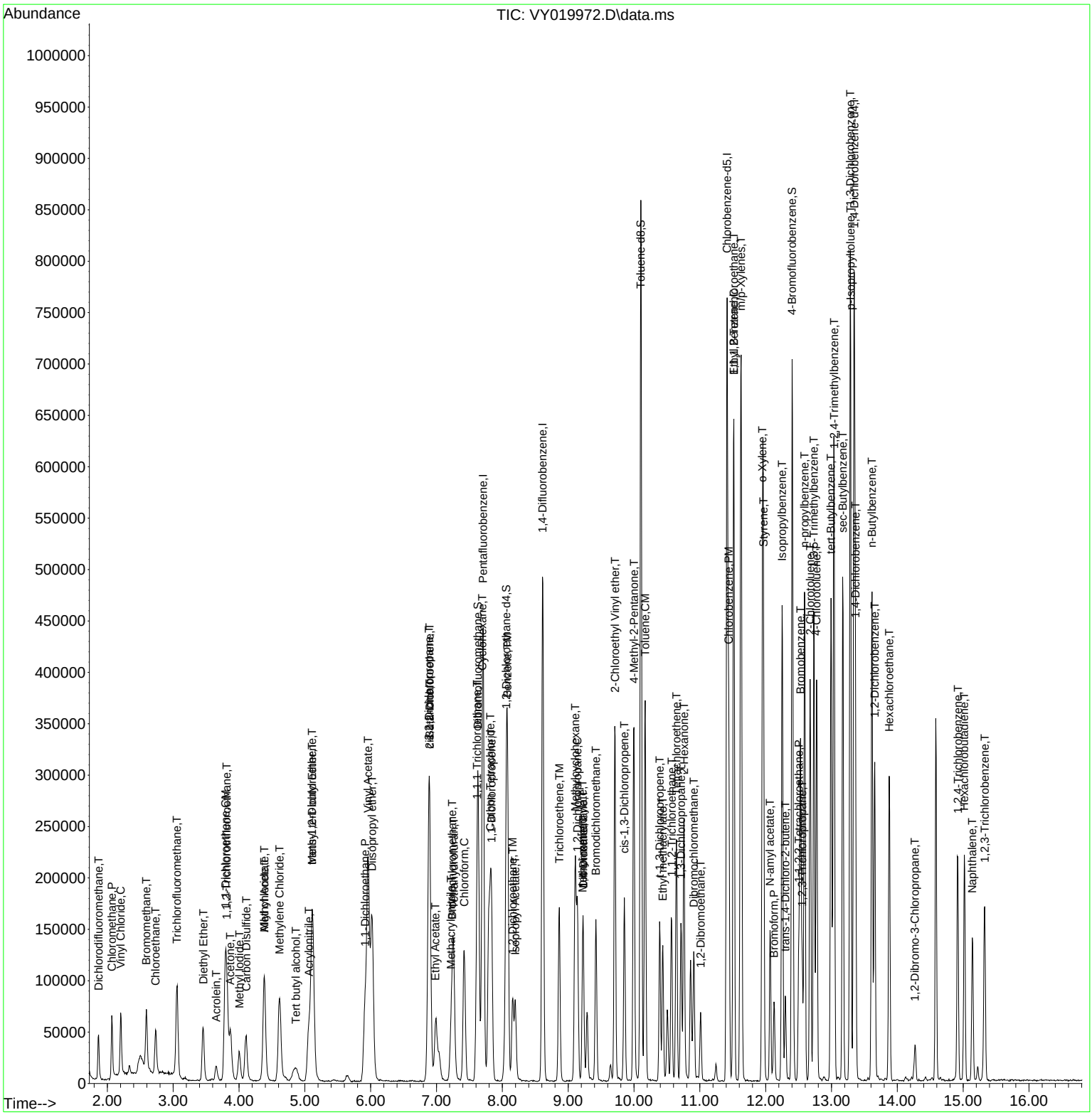
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Data File : VY019972.D
Acq On : 22 Oct 2024 11:38
Operator : SY/MD
Sample : VY1022SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



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

Manual Integration Report

Sequence:	vn093024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084213.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:48 AM	MMDadoda	10/1/2024 5:34:17 PM	Peak Integrated by Software
VSTDICCC050	VN084214.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:52 AM	MMDadoda	10/1/2024 5:34:19 PM	Peak Integrated by Software
VSTDICC020	VN084215.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:57 AM	MMDadoda	10/1/2024 5:34:21 PM	Peak Integrated by Software
VSTDICC010	VN084216.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:06 AM	MMDadoda	10/1/2024 5:34:22 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	1,1,2-Trichlorotrifluoroethane	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	Isopropyl Acetate	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	trans-1,2-Dichloroethene	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	Vinyl Acetate	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	1,4-Dichlorobenzene	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	Allyl chloride	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	Isopropyl Acetate	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn093024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN084218.D	Vinyl Acetate	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICV050	VN084220.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:38:01 AM	MMDadoda	10/1/2024 5:34:27 PM	Peak Integrated by Software
VSTDCCC050	VN084229.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:38:17 AM	MMDadoda	10/1/2024 5:34:32 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn102124	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084428.D	1,2,3-Trichloropropane	JOHN	10/22/2024 9:41:28 AM	MMDadoda	10/22/2024 3:37:06 PM	Peak Integrated by Software
VN1021WBS01	VN084433.D	1,2,3-Trichloropropane	JOHN	10/22/2024 9:41:37 AM	MMDadoda	10/22/2024 3:37:07 PM	Peak Integrated by Software
VN1021WBSD01	VN084434.D	1,2,3-Trichloropropane	JOHN	10/22/2024 9:41:41 AM	MMDadoda	10/22/2024 3:37:09 PM	Peak Integrated by Software
VSTDCCC050	VN084448.D	1,2,3-Trichloropropane	JOHN	10/22/2024 9:41:59 AM	MMDadoda	10/22/2024 3:37:13 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY100924	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY019827.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:35 AM	MMDadoda	10/10/2024 10:09:23 PM	Peak Integrated by Software
VSTDICC010	VY019828.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:39 AM	MMDadoda	10/10/2024 10:09:24 PM	Peak Integrated by Software
VSTDICC020	VY019829.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:29:24 AM	MMDadoda	10/10/2024 10:09:26 PM	Peak Integrated by Software
VSTDICCC050	VY019830.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:44 AM	MMDadoda	10/10/2024 10:09:28 PM	Peak Integrated by Software
VSTDICC100	VY019831.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:48 AM	MMDadoda	10/10/2024 10:09:30 PM	Peak Integrated by Software
VSTDICC150	VY019832.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:51 AM	MMDadoda	10/10/2024 10:09:32 PM	Peak Integrated by Software
VSTDICV050	VY019834.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:56 AM	MMDadoda	10/10/2024 10:09:33 PM	Peak Integrated by Software
VSTDCCC050	VY019842.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:29:13 AM	MMDadoda	10/10/2024 10:09:40 PM	Peak Integrated by Software
VSTDCCC050	VY019842.D	Methacrylonitrile	Romaben	10/10/2024 10:29:13 AM	MMDadoda	10/10/2024 10:09:40 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY102224	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY019969.D	1,2,3-Trichloropropane	Romaben	10/23/2024 10:52:55 AM	MMDadoda	10/23/2024 1:02:18 PM	Peak Integrated by Software
VY1022SBS01	VY019971.D	1,2,3-Trichloropropane	Romaben	10/23/2024 10:52:58 AM	MMDadoda	10/23/2024 1:02:19 PM	Peak Integrated by Software
VY1022SBS01	VY019971.D	Tert butyl alcohol	Romaben	10/23/2024 10:52:58 AM	MMDadoda	10/23/2024 1:02:19 PM	Peak Integrated by Software
VY1022SBSD01	VY019972.D	1,2,3-Trichloropropane	Romaben	10/23/2024 10:53:03 AM	MMDadoda	10/23/2024 1:02:21 PM	Peak Integrated by Software
VY1022SBSD01	VY019972.D	Methacrylonitrile	Romaben	10/23/2024 10:53:03 AM	MMDadoda	10/23/2024 1:02:21 PM	Peak Integrated by Software
P4460-03	VY019973.D	1,4-Dioxane	Romaben	10/23/2024 10:53:06 AM	MMDadoda	10/23/2024 1:02:22 PM	Peak Integrated by Software
VSTDCCC050	VY019983.D	1,2,3-Trichloropropane	Romaben	10/23/2024 10:53:10 AM	MMDadoda	10/23/2024 1:02:24 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084211.D	30 Sep 2024 09:24	JC\MD	Ok
2	VSTDCCC050	VN084212.D	30 Sep 2024 11:45	JC\MD	Not Ok
3	VSTDICC100	VN084213.D	30 Sep 2024 12:25	JC\MD	Ok,M
4	VSTDICCC050	VN084214.D	30 Sep 2024 12:49	JC\MD	Ok,M
5	VSTDICC020	VN084215.D	30 Sep 2024 13:13	JC\MD	Ok,M
6	VSTDICC010	VN084216.D	30 Sep 2024 13:37	JC\MD	Ok,M
7	VSTDICC005	VN084217.D	30 Sep 2024 14:00	JC\MD	Ok,M
8	VSTDICC001	VN084218.D	30 Sep 2024 14:48	JC\MD	Ok,M
9	IBLK	VN084219.D	30 Sep 2024 15:12	JC\MD	Ok
10	VSTDICV050	VN084220.D	30 Sep 2024 15:36	JC\MD	Ok,M
11	VN0930MBL01	VN084221.D	30 Sep 2024 16:11	JC\MD	Ok
12	VN0930WBL01	VN084222.D	30 Sep 2024 16:35	JC\MD	Ok
13	VN0930WBS01	VN084223.D	30 Sep 2024 17:42	JC\MD	Ok,M
14	VN0930WBSD01	VN084224.D	30 Sep 2024 18:06	JC\MD	Ok,M
15	P4116-24	VN084225.D	30 Sep 2024 18:30	JC\MD	Dilution
16	P4116-25	VN084226.D	30 Sep 2024 18:54	JC\MD	Dilution
17	P4116-26	VN084227.D	30 Sep 2024 19:18	JC\MD	Dilution
18	P4116-27	VN084228.D	30 Sep 2024 19:42	JC\MD	Dilution
19	VSTDCCC050	VN084229.D	30 Sep 2024 20:06	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102124

Review By	John Carlone	Review On	10/22/2024 9:50:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/22/2024 3:37:17 PM		
SubDirectory	VN102124	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130983
Initial Calibration Stds	
CCC	VP130986,VP130987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084427.D	21 Oct 2024 11:14	JC\MD	Ok
2	VSTDCCC050	VN084428.D	21 Oct 2024 11:38	JC\MD	Ok,M
3	VN1021MBL01	VN084429.D	21 Oct 2024 12:12	JC\MD	Ok
4	VN1021WBL01	VN084430.D	21 Oct 2024 12:36	JC\MD	Ok
5	VN1021MBS01	VN084431.D	21 Oct 2024 13:00	JC\MD	Not Ok
6	P4417-04	VN084432.D	21 Oct 2024 13:24	JC\MD	Ok
7	VN1021WBS01	VN084433.D	21 Oct 2024 13:48	JC\MD	Ok,M
8	VN1021WBSD01	VN084434.D	21 Oct 2024 14:22	JC\MD	Ok,M
9	P4438-03	VN084435.D	21 Oct 2024 14:53	JC\MD	Ok
10	P4438-01	VN084436.D	21 Oct 2024 15:17	JC\MD	Ok
11	P4440-02	VN084437.D	21 Oct 2024 15:41	JC\MD	Ok
12	P4438-02	VN084438.D	21 Oct 2024 16:05	JC\MD	Ok
13	P4438-04	VN084439.D	21 Oct 2024 16:29	JC\MD	Ok
14	P4438-05	VN084440.D	21 Oct 2024 16:53	JC\MD	Ok
15	P4438-06	VN084441.D	21 Oct 2024 17:17	JC\MD	Ok
16	P4438-07	VN084442.D	21 Oct 2024 17:40	JC\MD	Ok
17	P4440-01	VN084443.D	21 Oct 2024 18:04	JC\MD	Ok
18	P4471-03	VN084444.D	21 Oct 2024 18:28	JC\MD	Ok
19	P4460-05	VN084445.D	21 Oct 2024 18:52	JC\MD	Ok
20	P4460-06	VN084446.D	21 Oct 2024 19:16	JC\MD	Ok
21	VN1021MBS02	VN084447.D	21 Oct 2024 19:40	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102124

Review By	John Carlone	Review On	10/22/2024 9:50:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/22/2024 3:37:17 PM		
SubDirectory	VN102124	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130983
Initial Calibration Stds	
CCC	VP130986,VP130987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VN084448.D	21 Oct 2024 20:04	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100924

Review By	Mahesh Dadoda	Review On	10/10/2024 10:09:46 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2024 10:11:49 PM				
SubDirectory	VY100924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP130736
Initial Calibration Stds	VP130737,VP130738,VP130739,VP130740,VP130741,VP130742
CCC	VP130744,VP130745
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130746
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019826.D	09 Oct 2024 09:33	SY/MD	Ok
2	VSTDICC005	VY019827.D	09 Oct 2024 10:18	SY/MD	Ok,M
3	VSTDICC010	VY019828.D	09 Oct 2024 10:41	SY/MD	Ok,M
4	VSTDICC020	VY019829.D	09 Oct 2024 11:04	SY/MD	Ok,M
5	VSTDICCC050	VY019830.D	09 Oct 2024 11:26	SY/MD	Ok,M
6	VSTDICC100	VY019831.D	09 Oct 2024 11:49	SY/MD	Ok,M
7	VSTDICC150	VY019832.D	09 Oct 2024 12:11	SY/MD	Ok,M
8	VIBLK	VY019833.D	09 Oct 2024 12:35	SY/MD	Ok
9	VSTDICV050	VY019834.D	09 Oct 2024 15:25	SY/MD	Ok,M
10	VY1009SBL01	VY019835.D	09 Oct 2024 16:11	SY/MD	Ok
11	VY1009SBS01	VY019836.D	09 Oct 2024 16:41	SY/MD	Ok,M
12	VY1009SBSD01	VY019837.D	09 Oct 2024 17:04	SY/MD	Ok,M
13	P4343-01	VY019838.D	09 Oct 2024 17:27	SY/MD	Not Ok
14	P4353-02	VY019839.D	09 Oct 2024 17:51	SY/MD	Ok
15	P4359-01	VY019840.D	09 Oct 2024 18:14	SY/MD	Ok
16	P4344-01	VY019841.D	09 Oct 2024 18:38	SY/MD	Ok
17	VSTDCCC050	VY019842.D	09 Oct 2024 19:00	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102224

Review By	Mahesh Dadoda	Review On	10/23/2024 1:02:15 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/24/2024 6:36:46 AM		
SubDirectory	VY102224	HP Acquire Method		HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131009
Initial Calibration Stds	
CCC	VP131010,VP131011
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	VY019968.D	22 Oct 2024 08:49	SY/MD	Ok
2	VSTDCCC050	VY019969.D	22 Oct 2024 10:01	SY/MD	Ok,M
3	VY1022SBL01	VY019970.D	22 Oct 2024 10:36	SY/MD	Ok
4	VY1022SBS01	VY019971.D	22 Oct 2024 11:16	SY/MD	Ok,M
5	VY1022SBSD01	VY019972.D	22 Oct 2024 11:38	SY/MD	Ok,M
6	P4460-03	VY019973.D	22 Oct 2024 12:02	SY/MD	Ok,M
7	P4467-03	VY019974.D	22 Oct 2024 12:26	SY/MD	Ok
8	P4460-02	VY019975.D	22 Oct 2024 12:49	SY/MD	Ok
9	P4472-06	VY019976.D	22 Oct 2024 13:13	SY/MD	Ok
10	P4472-02	VY019977.D	22 Oct 2024 13:36	SY/MD	Ok
11	VIBLK	VY019978.D	22 Oct 2024 13:59	SY/MD	Ok
12	P4471-01	VY019979.D	22 Oct 2024 14:23	SY/MD	Ok
13	P4471-02	VY019980.D	22 Oct 2024 14:46	SY/MD	ReRun
14	P4470-01	VY019981.D	22 Oct 2024 15:58	SY/MD	Ok
15	P4474-01	VY019982.D	22 Oct 2024 16:21	SY/MD	ReRun
16	VSTDCCC050	VY019983.D	22 Oct 2024 16:44	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084211.D	30 Sep 2024 09:24		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084212.D	30 Sep 2024 11:45	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN084213.D	30 Sep 2024 12:25		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN084214.D	30 Sep 2024 12:49		JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN084215.D	30 Sep 2024 13:13		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN084216.D	30 Sep 2024 13:37		JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN084217.D	30 Sep 2024 14:00		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN084218.D	30 Sep 2024 14:48		JC\MD	Ok,M
9	IBLK	IBLK	VN084219.D	30 Sep 2024 15:12		JC\MD	Ok
10	VSTDICV050	ICVVN093024	VN084220.D	30 Sep 2024 15:36		JC\MD	Ok,M
11	VN0930MBL01	VN0930MBL01	VN084221.D	30 Sep 2024 16:11		JC\MD	Ok
12	VN0930WBL01	VN0930WBL01	VN084222.D	30 Sep 2024 16:35		JC\MD	Ok
13	VN0930WBS01	VN0930WBS01	VN084223.D	30 Sep 2024 17:42		JC\MD	Ok,M
14	VN0930WBSD01	VN0930WBSD01	VN084224.D	30 Sep 2024 18:06		JC\MD	Ok,M
15	P4116-24	RE132D5-20240918	VN084225.D	30 Sep 2024 18:30	vial A pH<2 Need 2x	JC\MD	Dilution
16	P4116-25	RE132D6-20240918	VN084226.D	30 Sep 2024 18:54	vial A pH<2 Need 40X	JC\MD	Dilution
17	P4116-26	RE132D7-20240918	VN084227.D	30 Sep 2024 19:18	vial A pH<2 Need 40X	JC\MD	Dilution
18	P4116-27	DUP05-20240918	VN084228.D	30 Sep 2024 19:42	vial A pH<2 Need 2x	JC\MD	Dilution

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VN084229.D	30 Sep 2024 20:06		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102124

Review By	John Carlone	Review On	10/22/2024 9:50:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/22/2024 3:37:17 PM		
SubDirectory	VN102124	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130983
Initial Calibration Stds	
CCC	VP130986,VP130987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084427.D	21 Oct 2024 11:14		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084428.D	21 Oct 2024 11:38	V13516	JC\MD	Ok,M
3	VN1021MBL01	VN1021MBL01	VN084429.D	21 Oct 2024 12:12		JC\MD	Ok
4	VN1021WBL01	VN1021WBL01	VN084430.D	21 Oct 2024 12:36		JC\MD	Ok
5	VN1021MBS01	VN1021MBS01	VN084431.D	21 Oct 2024 13:00	Recovery failed	JC\MD	Not Ok
6	P4417-04	HOPPER-B-SOLID	VN084432.D	21 Oct 2024 13:24		JC\MD	Ok
7	VN1021WBS01	VN1021WBS01	VN084433.D	21 Oct 2024 13:48		JC\MD	Ok,M
8	VN1021WBSD01	VN1021WBSD01	VN084434.D	21 Oct 2024 14:22		JC\MD	Ok,M
9	P4438-03	VPB190-HYD-2024101	VN084435.D	21 Oct 2024 14:53	vial B pH<2	JC\MD	Ok
10	P4438-01	BP-VPB-190-TB-20241	VN084436.D	21 Oct 2024 15:17	vial B pH<2 TB	JC\MD	Ok
11	P4440-02	BPOW6-11-TB-202410	VN084437.D	21 Oct 2024 15:41	vial B pH<2 TB	JC\MD	Ok
12	P4438-02	BP-VPB-190-EB-20241	VN084438.D	21 Oct 2024 16:05	vial B pH<2 EB	JC\MD	Ok
13	P4438-04	BP-VPB-190-GW-58-60	VN084439.D	21 Oct 2024 16:29	vial B pH<2	JC\MD	Ok
14	P4438-05	BP-VPB-190-GW-98-10	VN084440.D	21 Oct 2024 16:53	vial B pH<2	JC\MD	Ok
15	P4438-06	BP-VPB-190-GW-158-1	VN084441.D	21 Oct 2024 17:17	vial B pH<2	JC\MD	Ok
16	P4438-07	BP-VPB-190-GW-198-2	VN084442.D	21 Oct 2024 17:40	vial B pH<2	JC\MD	Ok
17	P4440-01	BPOW6-11-HYD-20241	VN084443.D	21 Oct 2024 18:04	vial B pH<2	JC\MD	Ok
18	P4471-03	TB100824	VN084444.D	21 Oct 2024 18:28	vial A pH<2 TB	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102124

Review By	John Carlone	Review On	10/22/2024 9:50:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/22/2024 3:37:17 PM		
SubDirectory	VN102124	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130983
Initial Calibration Stds	
CCC	VP130986,VP130987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4460-05	TB-10182024	VN084445.D	21 Oct 2024 18:52	vial A pH<2 TB	JC\MD	Ok
20	P4460-06	WB-303-SW	VN084446.D	21 Oct 2024 19:16	vial A pH<2	JC\MD	Ok
21	VN1021MBS02	VN1021MBS02	VN084447.D	21 Oct 2024 19:40		JC\MD	Ok,M
22	VSTDCCC050	VSTDCCC050EC	VN084448.D	21 Oct 2024 20:04		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100924

Review By	Mahesh Dadoda	Review On	10/10/2024 10:09:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2024 10:11:49 PM		
SubDirectory	VY100924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130736
Initial Calibration Stds	VP130737,VP130738,VP130739,VP130740,VP130741,VP130742
CCC	VP130744,VP130745
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130746
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019826.D	09 Oct 2024 09:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY019827.D	09 Oct 2024 10:18		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY019828.D	09 Oct 2024 10:41		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY019829.D	09 Oct 2024 11:04		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY019830.D	09 Oct 2024 11:26	Comp. #11 is on Linear Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY019831.D	09 Oct 2024 11:49		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY019832.D	09 Oct 2024 12:11		SY/MD	Ok,M
8	VIBLK	VIBLK	VY019833.D	09 Oct 2024 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY100924	VY019834.D	09 Oct 2024 15:25		SY/MD	Ok,M
10	VY1009SBL01	VY1009SBL01	VY019835.D	09 Oct 2024 16:11		SY/MD	Ok
11	VY1009SBS01	VY1009SBS01	VY019836.D	09 Oct 2024 16:41		SY/MD	Ok,M
12	VY1009SBSD01	VY1009SBSD01	VY019837.D	09 Oct 2024 17:04		SY/MD	Ok,M
13	P4343-01	EO-03-100724	VY019838.D	09 Oct 2024 17:27	vial-B Not purged	SY/MD	Not Ok
14	P4353-02	CF-400-VOC-43	VY019839.D	09 Oct 2024 17:51	vial-A	SY/MD	Ok
15	P4359-01	EXCAVATION-SOIL	VY019840.D	09 Oct 2024 18:14	vial-A	SY/MD	Ok
16	P4344-01	TR-05-100724	VY019841.D	09 Oct 2024 18:38	vial-B	SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VY019842.D	09 Oct 2024 19:00		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102224

Review By	Mahesh Dadoda	Review On	10/23/2024 1:02:15 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/24/2024 6:36:46 AM		
SubDirectory	VY102224	HP Acquire Method		HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131009
Initial Calibration Stds	
CCC	VP131010,VP131011
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	VY019968.D	22 Oct 2024 08:49		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY019969.D	22 Oct 2024 10:01		SY/MD	Ok,M
3	VY1022SBL01	VY1022SBL01	VY019970.D	22 Oct 2024 10:36		SY/MD	Ok
4	VY1022SBS01	VY1022SBS01	VY019971.D	22 Oct 2024 11:16		SY/MD	Ok,M
5	VY1022SBSD01	VY1022SBSD01	VY019972.D	22 Oct 2024 11:38		SY/MD	Ok,M
6	P4460-03	WB-303-BOT	VY019973.D	22 Oct 2024 12:02	vial-B	SY/MD	Ok,M
7	P4467-03	TP-1-VOC	VY019974.D	22 Oct 2024 12:26	vial-B	SY/MD	Ok
8	P4460-02	WB-303-TOP	VY019975.D	22 Oct 2024 12:49	vial-B	SY/MD	Ok
9	P4472-06	BP-F-6-VOC	VY019976.D	22 Oct 2024 13:13	vial-B	SY/MD	Ok
10	P4472-02	BP-F-28-VOC	VY019977.D	22 Oct 2024 13:36	vial-B	SY/MD	Ok
11	VIBLK	VIBLK	VY019978.D	22 Oct 2024 13:59	Clean up	SY/MD	Ok
12	P4471-01	B-180-SB01	VY019979.D	22 Oct 2024 14:23	vial-A	SY/MD	Ok
13	P4471-02	B-180-SB02	VY019980.D	22 Oct 2024 14:46	vial-A Internal standard fail	SY/MD	ReRun
14	P4470-01	CL-01-102124	VY019981.D	22 Oct 2024 15:58	vial-A	SY/MD	Ok
15	P4474-01	TS-2	VY019982.D	22 Oct 2024 16:21	vial-A Internal standard fail	SY/MD	ReRun
16	VSTDCCC050	VSTDCCC050EC	VY019983.D	22 Oct 2024 16:44		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	P4460	**OrderDate:**	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	**WB-303-TOP**	**SOIL**			**10/18/24**			**10/18/24**
			VOC-TCLVOA-10	8260D			10/22/24	
P4460-03	**WB-303-BOT**	**SOIL**			**10/18/24**			**10/18/24**
			VOC-TCLVOA-10	8260D			10/22/24	
P4460-04	**WB-303-BOT**	**TCLP**			**10/18/24**			**10/18/24**
			TCLP VOA	8260D			10/22/24	
P4460-05	**TB-10182024**	**Water**			**10/18/24**			**10/18/24**
			VOC-TCLVOA-10	8260-Low			10/21/24	
P4460-06	**WB-303-SW**	**Water**			**10/18/24**			**10/18/24**
			VOC-TCLVOA-10	8260-Low			10/21/24	

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Hit Summary Sheet
SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

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

0

Total Voc :

Total Concentration:

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-04	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084463.D	1		10/22/24 18:46	VN102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		70 (77) - 130 (121)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.224			
540-36-3	1,4-Difluorobenzene	298000	9.1			
3114-55-4	Chlorobenzene-d5	267000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	97600	13.794			

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

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4460-04	WB-303-BOT	1,2-Dichloroethane-d4	50	49.6	99	70 (74)	130 (125)
		Dibromofluoromethane	50	49.6	99	70 (75)	130 (124)
		Toluene-d8	50	50.5	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.5	91	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN1022WBL01	VN1022WBL01	1,2-Dichloroethane-d4	50	45.7	91	70 (74)	130 (125)
		Dibromofluoromethane	50	50.0	100	70 (75)	130 (124)
		Toluene-d8	50	49.3	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.0	90	70 (77)	130 (121)
VN1022WBS01	VN1022WBS01	1,2-Dichloroethane-d4	50	46.2	92	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)
		Toluene-d8	50	48.8	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.0	98	70 (77)	130 (121)
VN1022WBSD0	VN1022WBSD01	1,2-Dichloroethane-d4	50	49.1	98	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)
		Toluene-d8	50	48.0	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.9	98	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084453.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1022WBS01	Vinyl chloride	20	16.5	ug/L	83			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.2	ug/L	91			70 (74)	130 (110)	
	2-Butanone	100	87.6	ug/L	88			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.8	ug/L	94			70 (77)	130 (113)	
	Chloroform	20	18.7	ug/L	94			70 (79)	130 (113)	
	Benzene	20	18.7	ug/L	94			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.3	ug/L	92			70 (80)	130 (115)	
	Trichloroethene	20	19.0	ug/L	95			70 (77)	130 (113)	
	Tetrachloroethene	20	18.4	ug/L	92			70 (67)	130 (123)	
	Chlorobenzene	20	18.7	ug/L	94			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084454.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1022WBSD01	Vinyl chloride	20	16.5	ug/L	83	0		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	17.9	ug/L	90	1		70 (74)	130 (110)	20 (20)
	2-Butanone	100	92.3	ug/L	92	4		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	18.6	ug/L	93	1		70 (77)	130 (113)	20 (20)
	Chloroform	20	19.4	ug/L	97	3		70 (79)	130 (113)	20 (20)
	Benzene	20	18.9	ug/L	95	1		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	19.6	ug/L	98	6		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.8	ug/L	94	1		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	19.2	ug/L	96	4		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.6	ug/L	98	4		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1022WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084452.D Lab Sample ID: VN1022WBL01

Date Analyzed: 10/22/2024 Time Analyzed: 13:38

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1022WBS01	VN1022WBS01	VN084453.D	10/22/2024
VN1022WBSD01	VN1022WBSD01	VN084454.D	10/22/2024
WB-303-BOT	P4460-04	VN084463.D	10/22/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084211.D BFB Injection Date: 09/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:24

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	71
175	5.0 - 9.0% of mass 174	5.5 (7.8) 1
176	95.0 - 101.0% of mass 174	69.7 (98.2) 1
177	5.0 - 9.0% of mass 176	4.9 (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
VSTDICC100	VSTDICC100	VN084213.D	09/30/2024	12:25
VSTDICCC050	VSTDICCC050	VN084214.D	09/30/2024	12:49
VSTDICC020	VSTDICC020	VN084215.D	09/30/2024	13:13
VSTDICC010	VSTDICC010	VN084216.D	09/30/2024	13:37
VSTDICC005	VSTDICC005	VN084217.D	09/30/2024	14:00
VSTDICC001	VSTDICC001	VN084218.D	09/30/2024	14:48

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084449.D BFB Injection Date: 10/22/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:33

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.2 (1.7) 1
174	50.0 - 100.0% of mass 95	73.9
175	5.0 - 9.0% of mass 174	5.9 (7.9) 1
176	95.0 - 101.0% of mass 174	70.5 (95.4) 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	VN084450.D	10/22/2024	12:50
VN1022WBL01	VN1022WBL01	VN084452.D	10/22/2024	13:38
VN1022WBS01	VN1022WBS01	VN084453.D	10/22/2024	14:01
VN1022WBSD01	VN1022WBSD01	VN084454.D	10/22/2024	14:45
WB-303-BOT	P4460-04	VN084463.D	10/22/2024	18:46

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084450.D Date Analyzed: 10/22/2024

Instrument ID: MSVOA_N Time Analyzed: 12:50

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	171974	8.22	293014	9.10	264421	11.87
UPPER LIMIT	343948	8.724	586028	9.6	528842	12.365
LOWER LIMIT	85987	7.724	146507	8.6	132211	11.365
EPA SAMPLE NO.						
WB-303-BOT	163501	8.22	298176	9.10	267301	11.87
VN1022WBL01	195991	8.22	325943	9.10	276681	11.87
VN1022WBS01	177710	8.22	304170	9.10	270028	11.87
VN1022WBSD01	162648	8.22	284290	9.10	251894	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: VN084450.D Date Analyzed: 10/22/2024

Instrument ID: MSVOA_N Time Analyzed: 12:50

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

	IS4 AREA #	RT #				
12 HOUR STD	131065	13.788				
UPPER LIMIT	262130	14.288				
LOWER LIMIT	65532.5	13.288				
EPA SAMPLE NO.						
WB-303-BOT	97626	13.79				
VN1022WBL01	106919	13.79				
VN1022WBS01	132421	13.79				
VN1022WBSD01	120786	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1022WBL01	SDG No.:	P4460
Lab Sample ID:	VN1022WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084452.D	1		10/22/24 13:38	VN102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		70 (74) - 130 (125)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (77) - 130 (121)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	8.224			
540-36-3	1,4-Difluorobenzene	326000	9.1			
3114-55-4	Chlorobenzene-d5	277000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	107000	13.788			

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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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1022WBS01	SDG No.:	P4460
Lab Sample ID:	VN1022WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084453.D	1		10/22/24 14:01	VN102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.5		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.26	1.00	ug/L
78-93-3	2-Butanone	87.6		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.25	1.00	ug/L
67-66-3	Chloroform	18.7		0.26	1.00	ug/L
71-43-2	Benzene	18.7		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.0		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.7		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.2		70 (74) - 130 (125)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	178000	8.224			
540-36-3	1,4-Difluorobenzene	304000	9.1			
3114-55-4	Chlorobenzene-d5	270000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.788			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1022WBSD01	SDG No.:	P4460
Lab Sample ID:	VN1022WBSD01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084454.D	1		10/22/24 14:45	VN102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.5		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.26	1.00	ug/L
78-93-3	2-Butanone	92.3		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.6		0.25	1.00	ug/L
67-66-3	Chloroform	19.4		0.26	1.00	ug/L
71-43-2	Benzene	18.9		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.6		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	48.0		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	8.224			
540-36-3	1,4-Difluorobenzene	284000	9.1			
3114-55-4	Chlorobenzene-d5	252000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.794			

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: MSVOA_N Calibration Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 12:25 14:48

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

LAB FILE ID: RRF100 = VN084213.D RRF050 = VN084214.D RRF020 = VN084215.D
RRF010 = VN084216.D RRF005 = VN084217.D RRF001 = VN084218.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.611	0.667	0.665	0.641	0.724	0.617	0.654	6.4
1,1-Dichloroethene	0.538	0.587	0.596	0.533	0.631	0.493	0.563	8.9
2-Butanone	0.395	0.452	0.465	0.419	0.467	0.404	0.434	7.3
Carbon Tetrachloride	0.515	0.549	0.553	0.508	0.545	0.482	0.525	5.4
Chloroform	1.083	1.204	1.205	1.117	1.259	1.181	1.175	5.5
Benzene	1.434	1.553	1.559	1.410	1.574	1.421	1.492	5.2
1,2-Dichloroethane	0.480	0.528	0.524	0.498	0.544	0.460	0.506	6.3
Trichloroethene	0.334	0.362	0.361	0.329	0.379	0.325	0.348	6.3
Tetrachloroethene	0.323	0.359	0.351	0.338	0.373	0.346	0.348	5
Chlorobenzene	1.068	1.170	1.143	1.069	1.173	1.028	1.109	5.5
1,2-Dichloroethane-d4	0.673	0.737	0.764	0.712	0.821		0.741	7.5
Dibromofluoromethane	0.308	0.324	0.341	0.316	0.359		0.330	6.1
Toluene-d8	1.189	1.243	1.242	1.148	1.242		1.213	3.5
4-Bromofluorobenzene	0.447	0.452	0.449	0.406	0.456		0.442	4.6

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: MSVOA_N Calibration Date/Time: 10/22/2024 12:50

Lab File ID: VN084450.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.654	0.602		-7.95	20
1,1-Dichloroethene	0.563	0.575		2.13	20
2-Butanone	0.434	0.422		-2.77	20
Carbon Tetrachloride	0.525	0.551		4.95	20
Chloroform	1.175	1.210		2.98	20
Benzene	1.492	1.558		4.42	20
1,2-Dichloroethane	0.506	0.521		2.96	20
Trichloroethene	0.348	0.369		6.03	20
Tetrachloroethene	0.348	0.359		3.16	20
Chlorobenzene	1.109	1.161	0.3	4.69	20
1,2-Dichloroethane-d4	0.741	0.701		-5.4	20
Dibromofluoromethane	0.330	0.335		1.51	20
Toluene-d8	1.213	1.224		0.91	20
4-Bromofluorobenzene	0.442	0.456		3.17	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_N\Data\VN102224\
Data File : VN084463.D
Acq On : 22 Oct 2024 18:46
Operator : JC\MD
Sample : P4460-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Quant Time: Oct 23 01:32:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

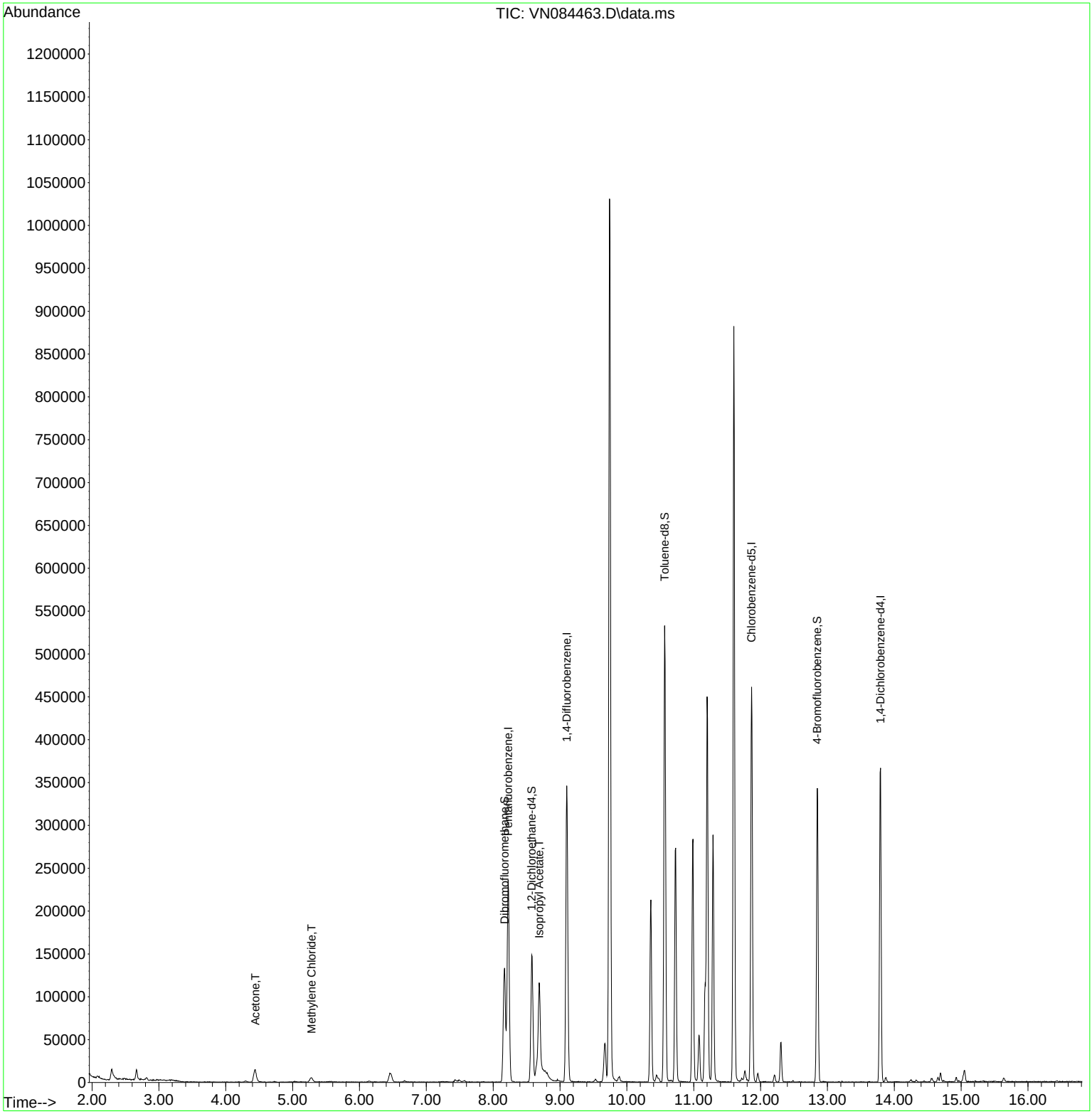
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120367	49.652	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.300%			
35) Dibromofluoromethane	8.171	113	97567	49.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.260%			
50) Toluene-d8	10.565	98	365187	50.494	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.847	95	119941	45.522	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.040%			
Target Compounds						Qvalue
16) Acetone	4.442	43	27887	26.779	ug/l	94
20) Methylene Chloride	5.283	84	4490	2.121	ug/l #	66
43) Isopropyl Acetate	8.688	43	154605	26.945	ug/l #	83

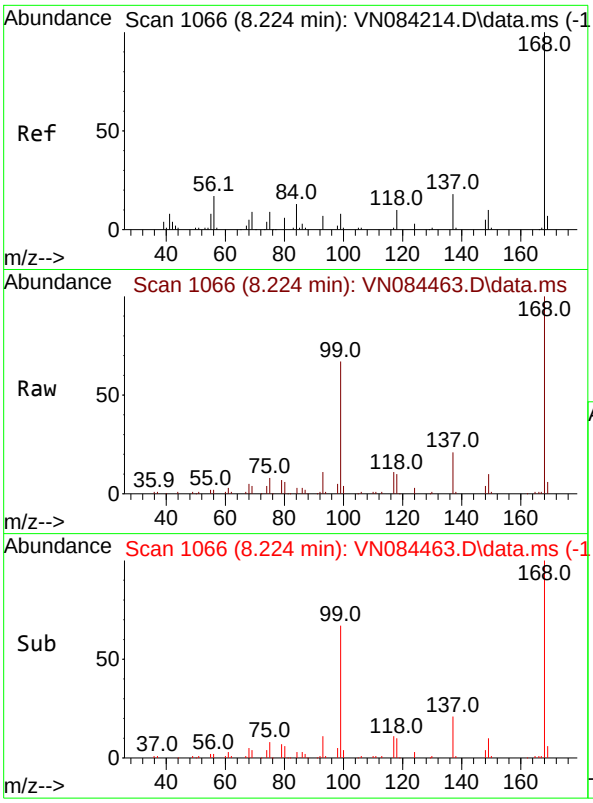
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084463.D
Acq On : 22 Oct 2024 18:46
Operator : JC\MD
Sample : P4460-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Quant Time: Oct 23 01:32:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



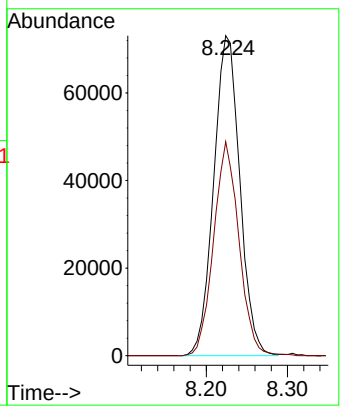


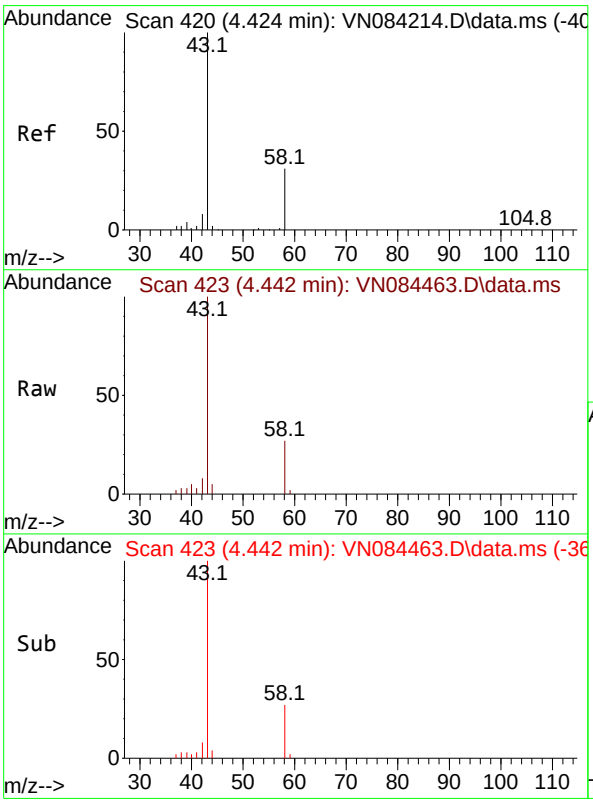
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Tgt Ion:168 Resp: 163501

Ion	Ratio	Lower	Upper
168	100		
99	66.9	54.2	81.2

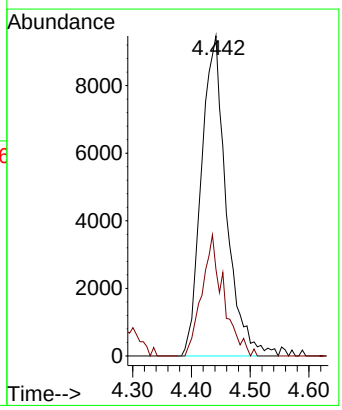


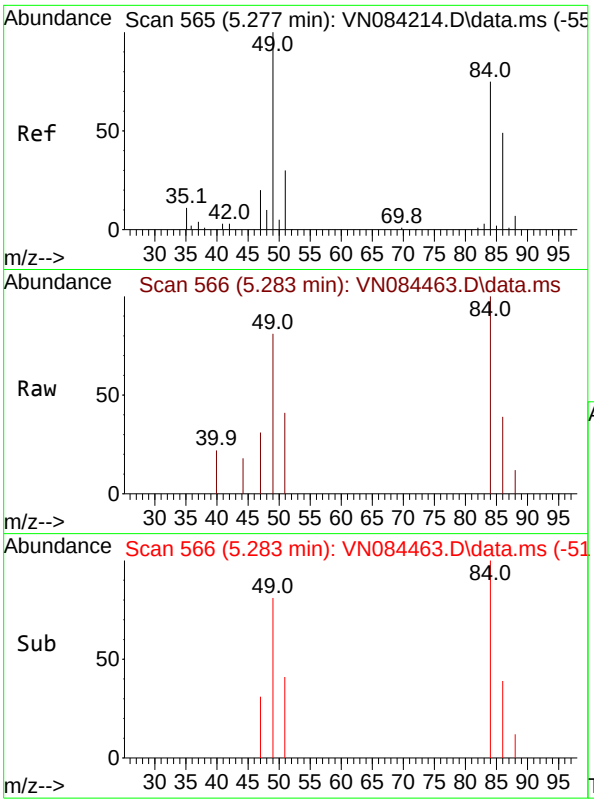


#16
Acetone
Concen: 26.779 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Tgt Ion: 43 Resp: 27887

Ion	Ratio	Lower	Upper
43	100		
58	27.0	24.4	36.6



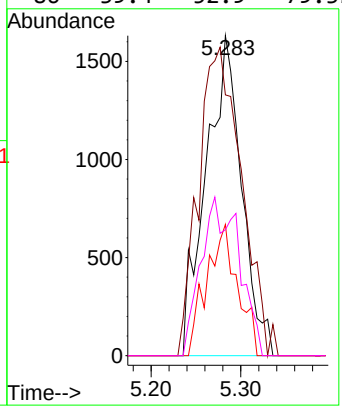


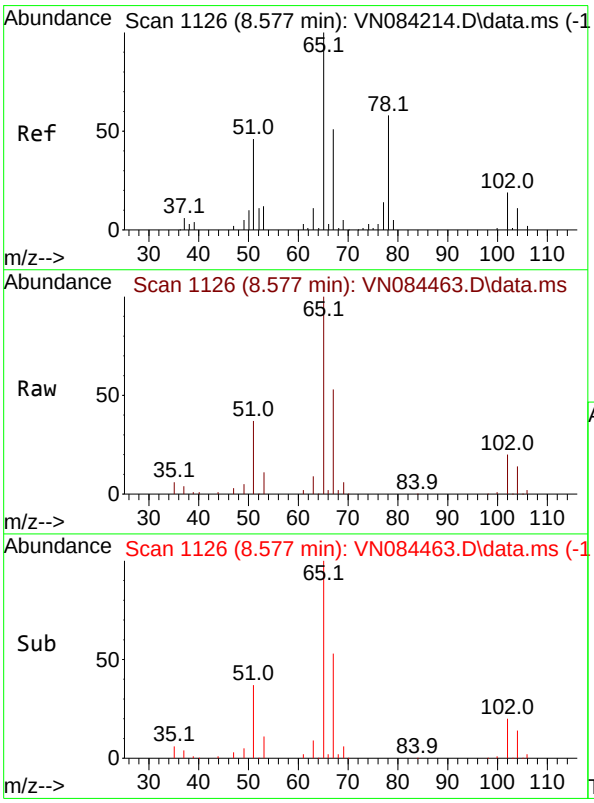
#20
Methylene Chloride
Concen: 2.121 ug/l
RT: 5.283 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Tgt Ion: 84 Resp: 4490

Ion	Ratio	Lower	Upper
84	100		
49	81.5	107.2	160.8#
51	41.0	31.8	47.8
86	39.4	52.9	79.3#

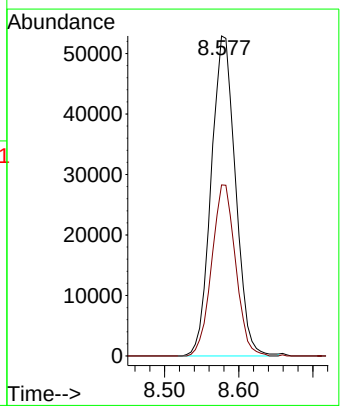


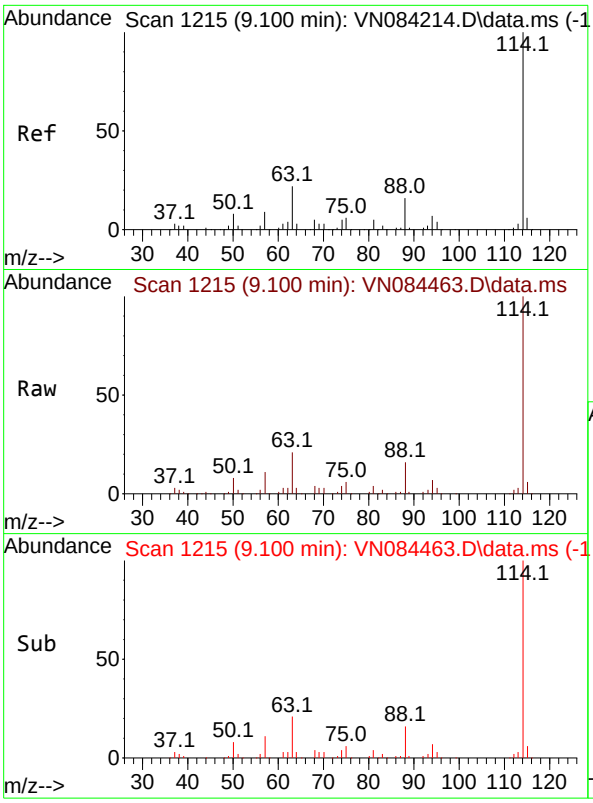


#33
1,2-Dichloroethane-d4
Concen: 49.652 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Tgt Ion: 65 Resp: 120367

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	102.0



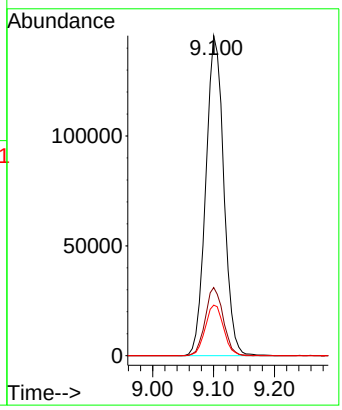


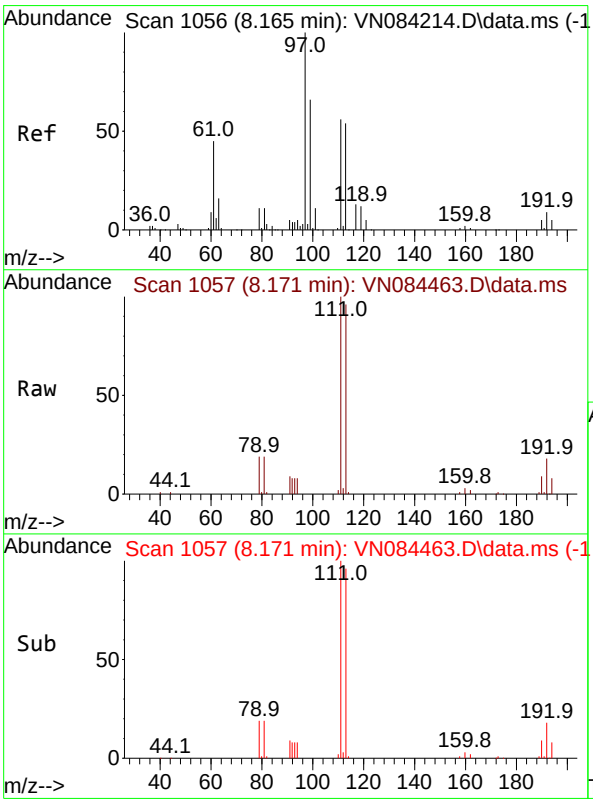
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Tgt Ion:114 Resp: 298176

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.8
88	15.8	0.0	31.6

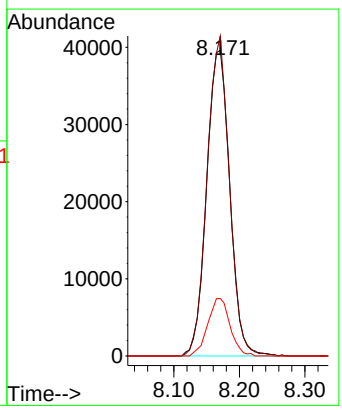


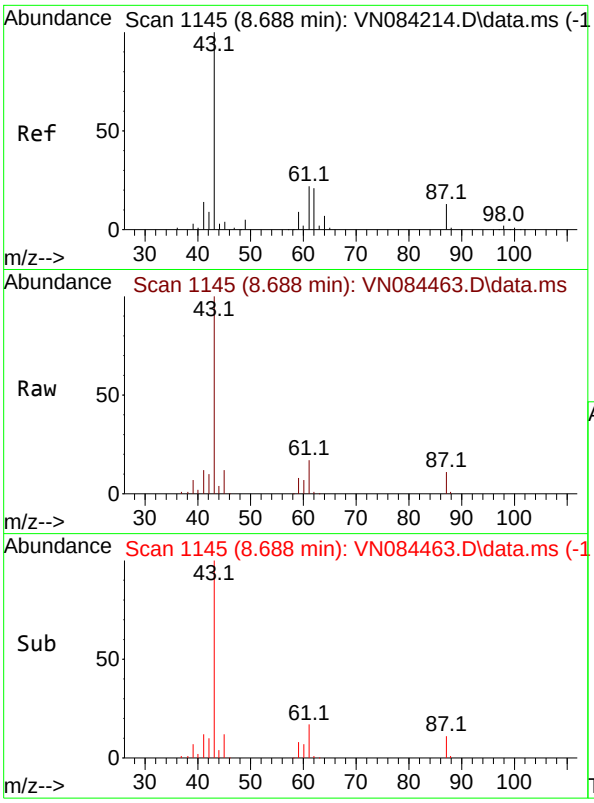


#35
Dibromofluoromethane
Concen: 49.633 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Tgt Ion:113 Resp: 97567

Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.3	124.9
192	18.0	13.5	20.3



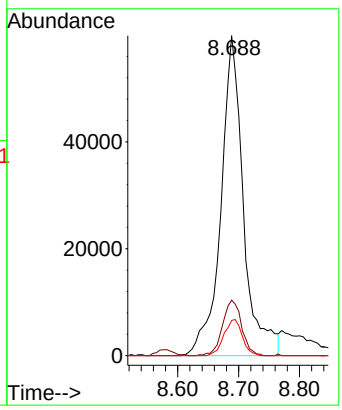


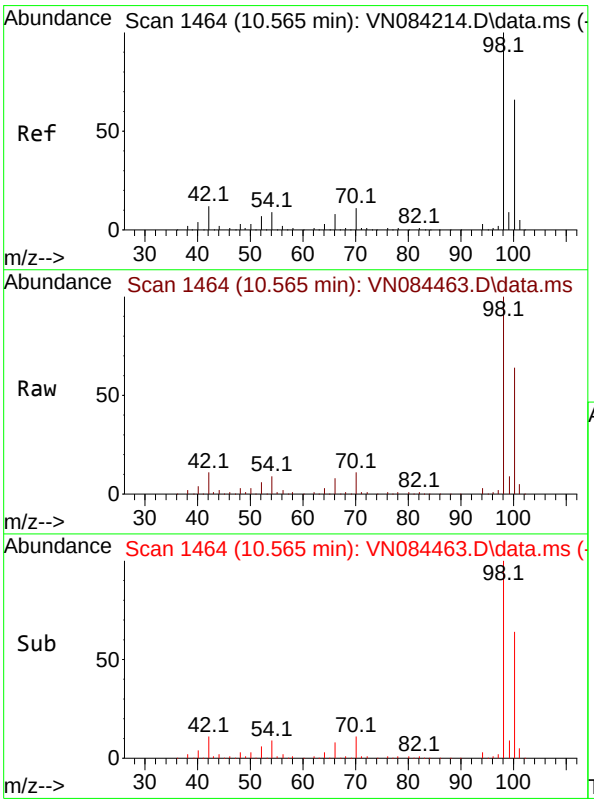
#43
Isopropyl Acetate
Concen: 26.945 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Tgt Ion: 43 Resp: 154605

Ion	Ratio	Lower	Upper
43	100		
61	14.7	20.4	30.6#
87	9.1	10.3	15.5#

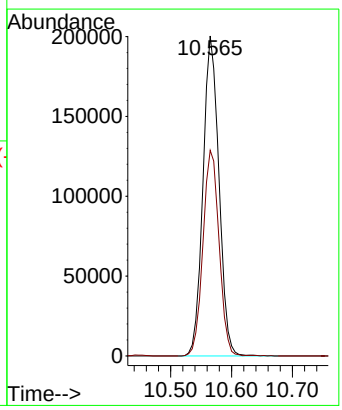




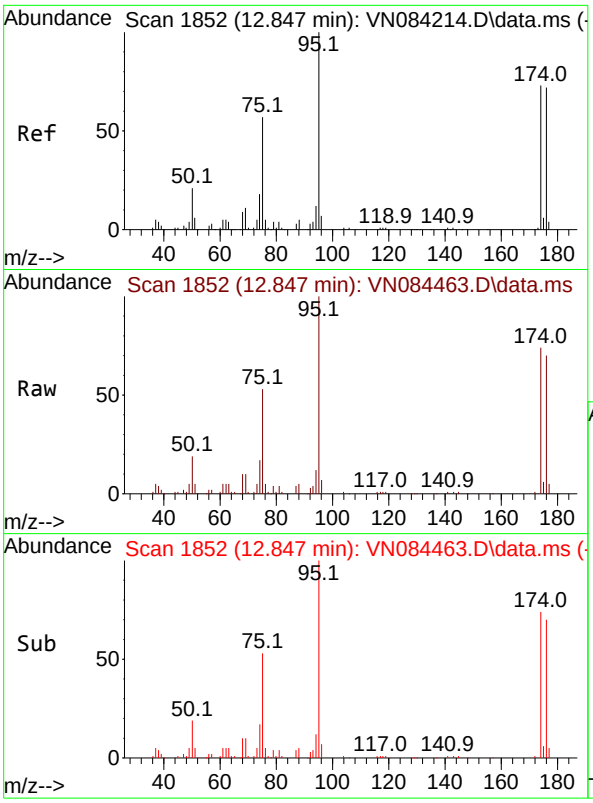
#50
Toluene-d8
Concen: 50.494 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Tgt Ion: 98 Resp: 365187

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1



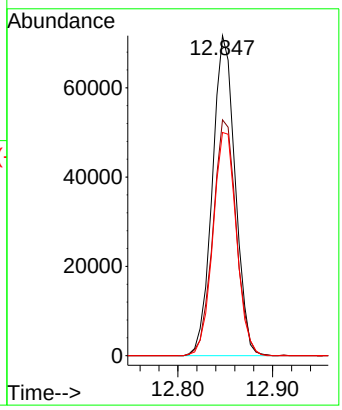
Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

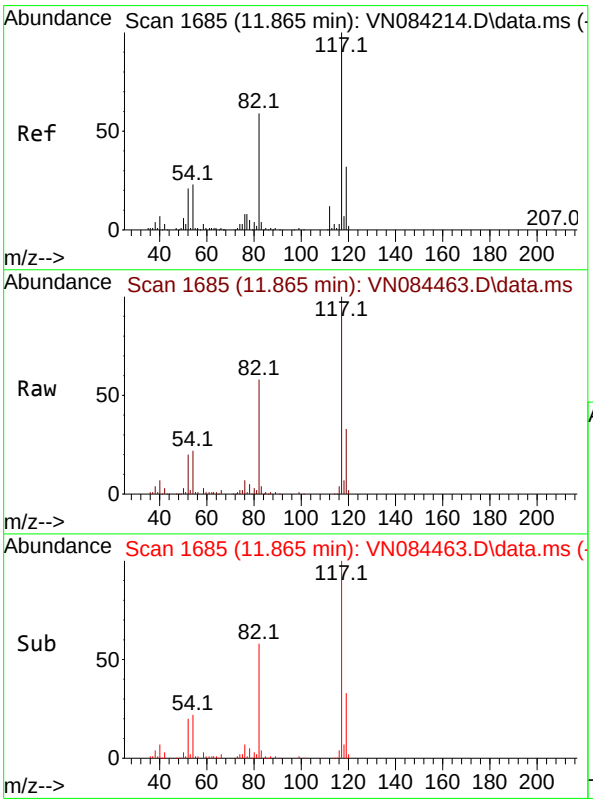


#62
4-Bromofluorobenzene
Concen: 45.522 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Tgt Ion: 95 Resp: 119941

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.2
176	71.7	0.0	140.0

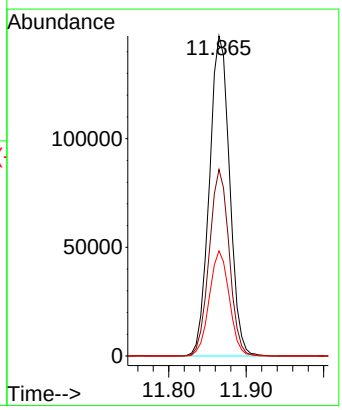


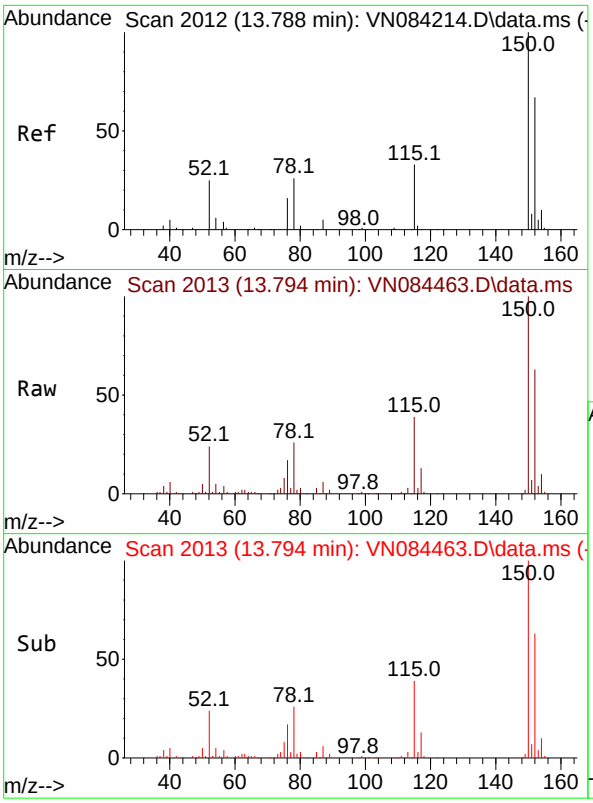


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Tgt Ion:117 Resp: 267301

Ion	Ratio	Lower	Upper
117	100		
82	58.3	47.2	70.8
119	32.8	25.4	38.0



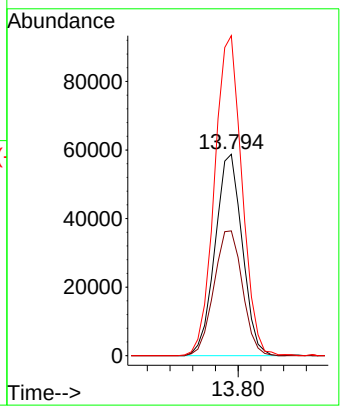


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN084463.D
Acq: 22 Oct 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
WB-303-BOT

Tgt Ion:152 Resp: 97626

Ion	Ratio	Lower	Upper
152	100		
115	65.0	31.3	93.9
150	160.3	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084452.D
Acq On : 22 Oct 2024 13:38
Operator : JC\MD
Sample : VN1022WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Quant Time: Oct 23 01:26:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	195991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	325943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132772	45.690	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.380%		
35) Dibromofluoromethane	8.165	113	107332	49.949	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.900%		
50) Toluene-d8	10.565	98	389764	49.301	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.600%		
62) 4-Bromofluorobenzene	12.847	95	129594	44.996	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.000%		

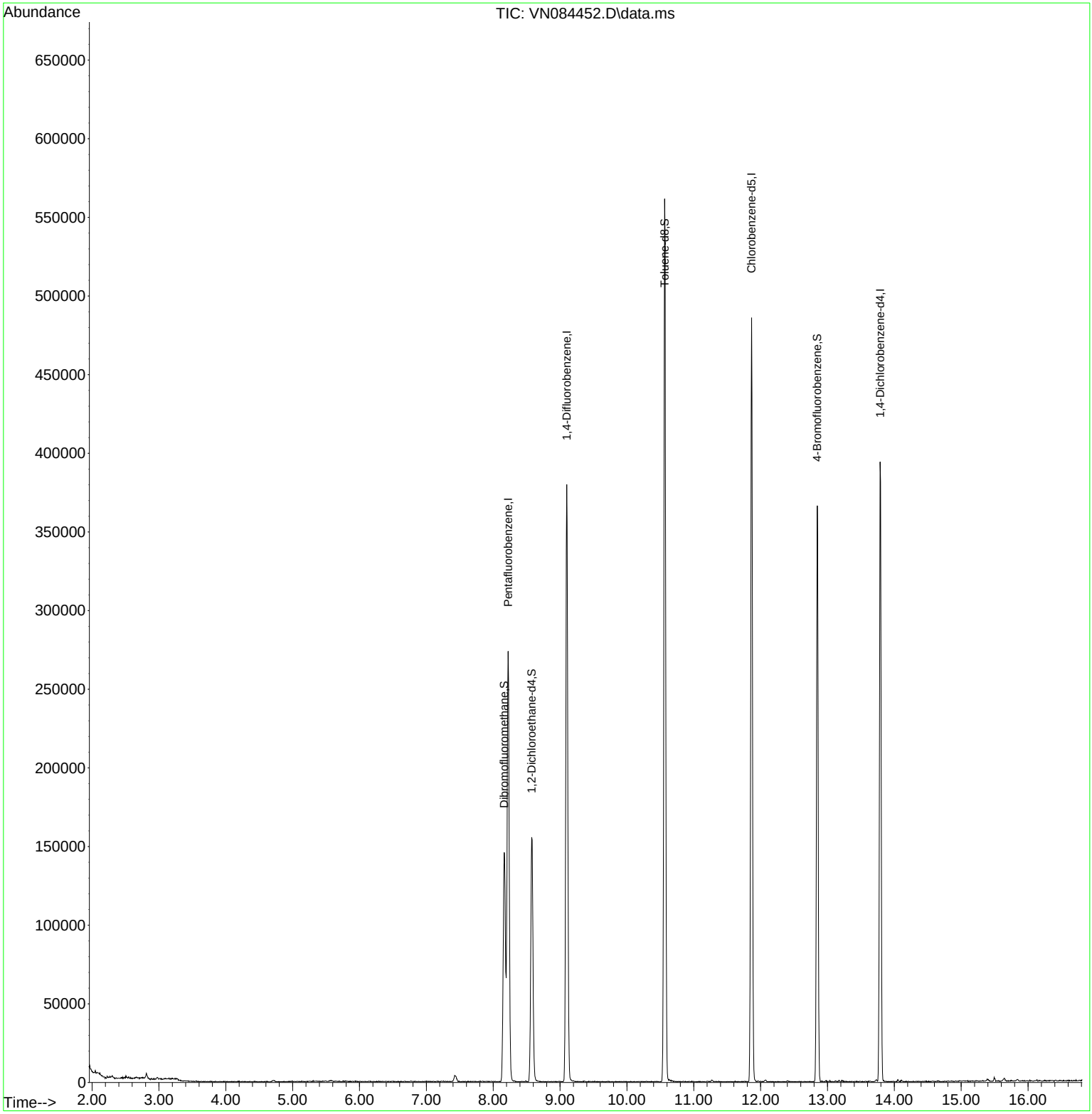
Target Compounds Qvalue

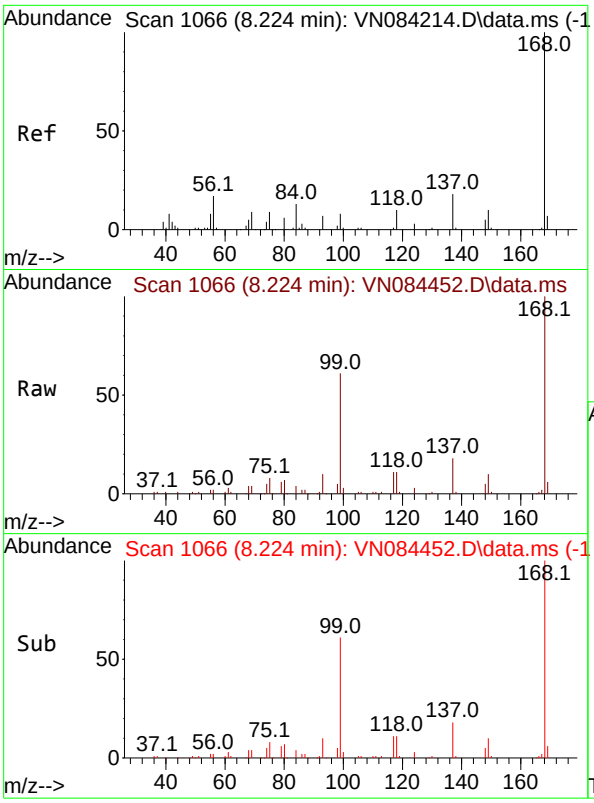
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084452.D
Acq On : 22 Oct 2024 13:38
Operator : JC\MD
Sample : VN1022WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Quant Time: Oct 23 01:26:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



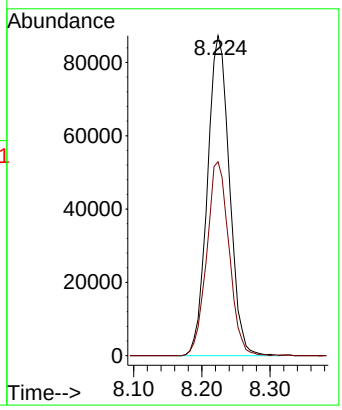


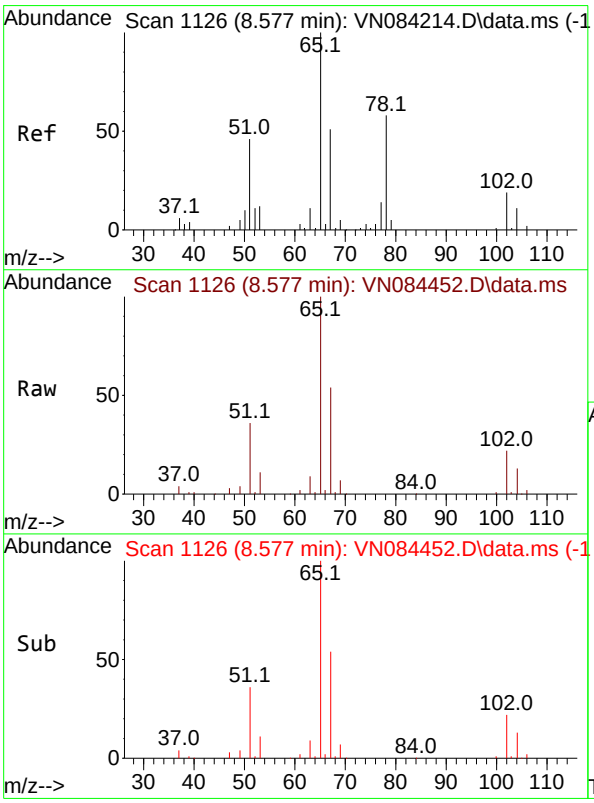
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Tgt Ion:168 Resp: 195991

Ion	Ratio	Lower	Upper
168	100		
99	60.6	54.2	81.2

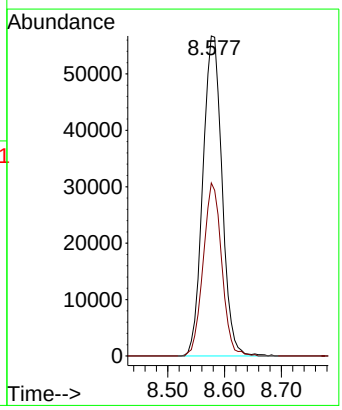


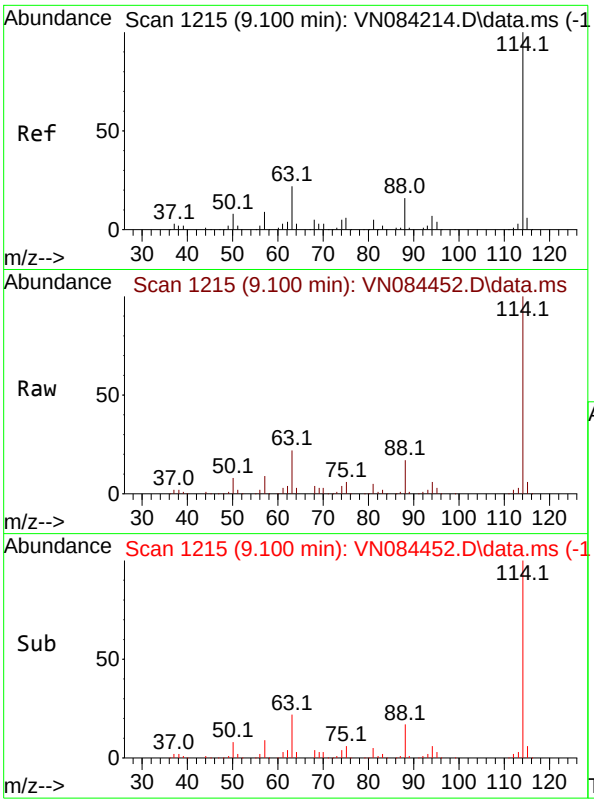


#33
1,2-Dichloroethane-d4
Concen: 45.690 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Tgt Ion: 65 Resp: 132772

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0



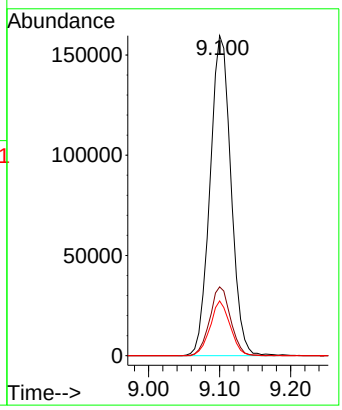


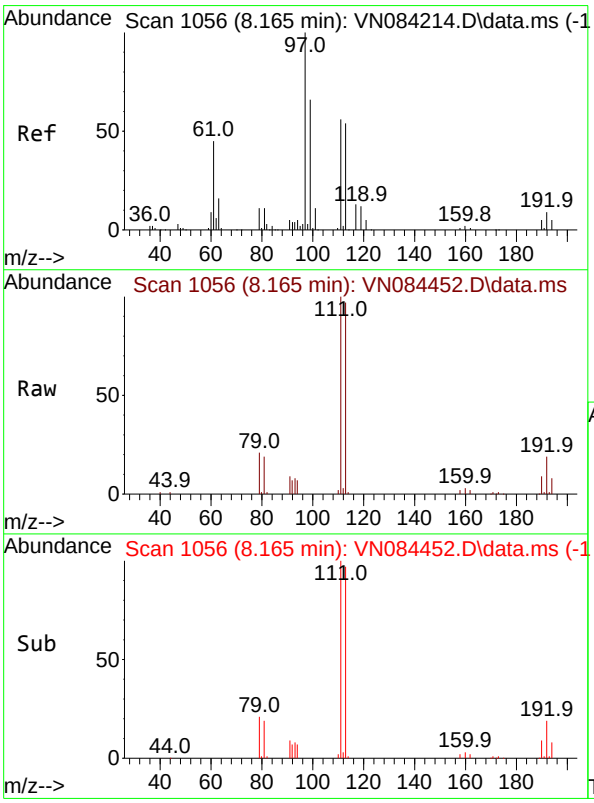
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Tgt Ion:114 Resp: 325943

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.8
88	17.1	0.0	31.6

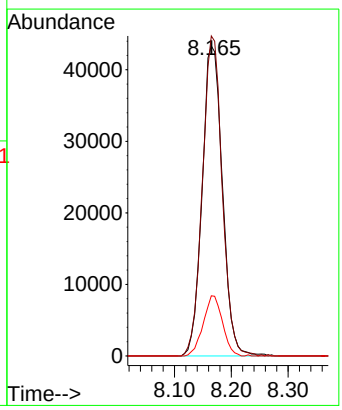


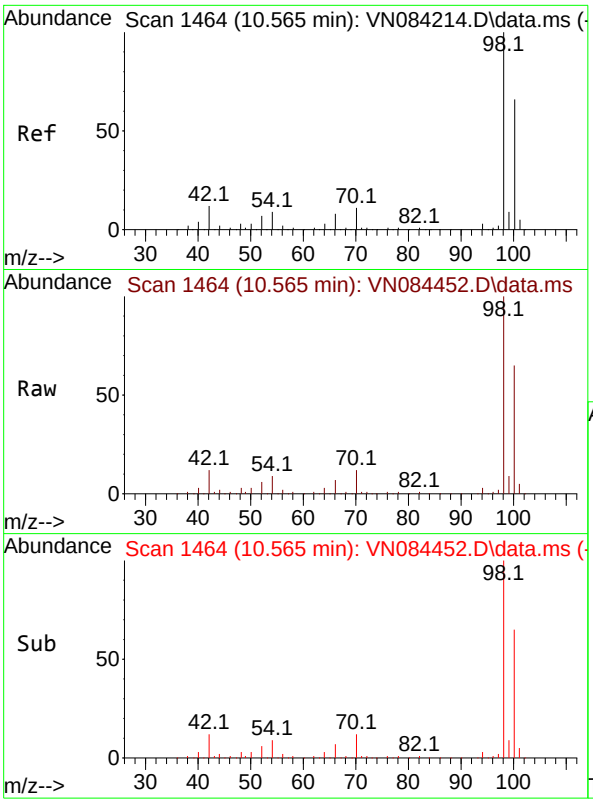


#35
Dibromofluoromethane
Concen: 49.949 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Tgt Ion:113 Resp: 107332

Ion	Ratio	Lower	Upper
113	100		
111	100.4	83.3	124.9
192	18.4	13.5	20.3



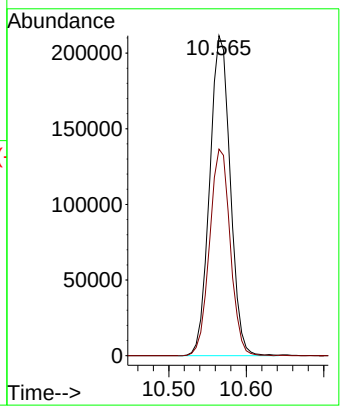


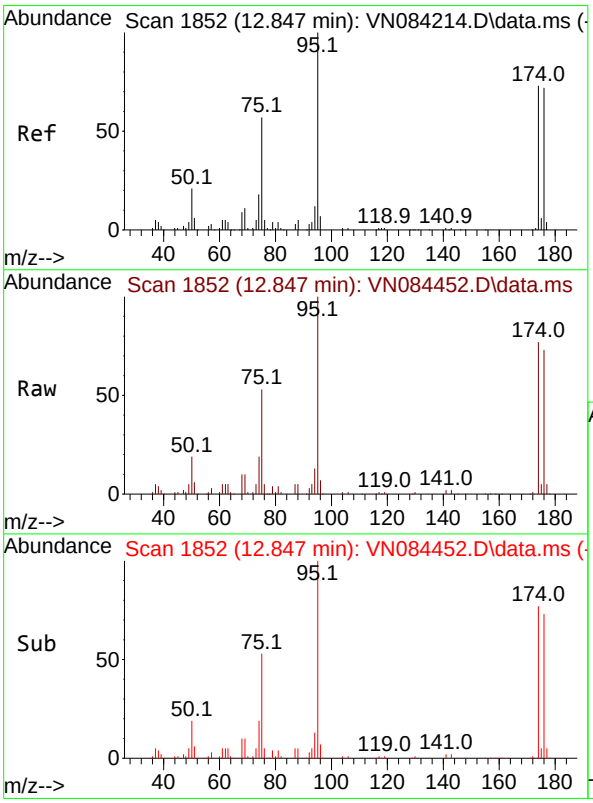
#50
Toluene-d8
Concen: 49.301 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Tgt Ion: 98 Resp: 389764

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1

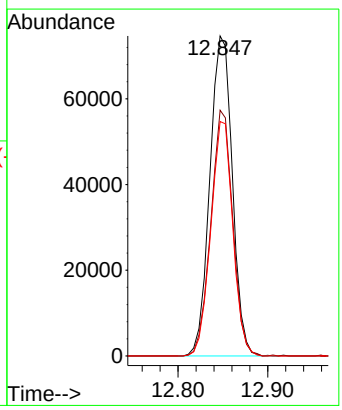


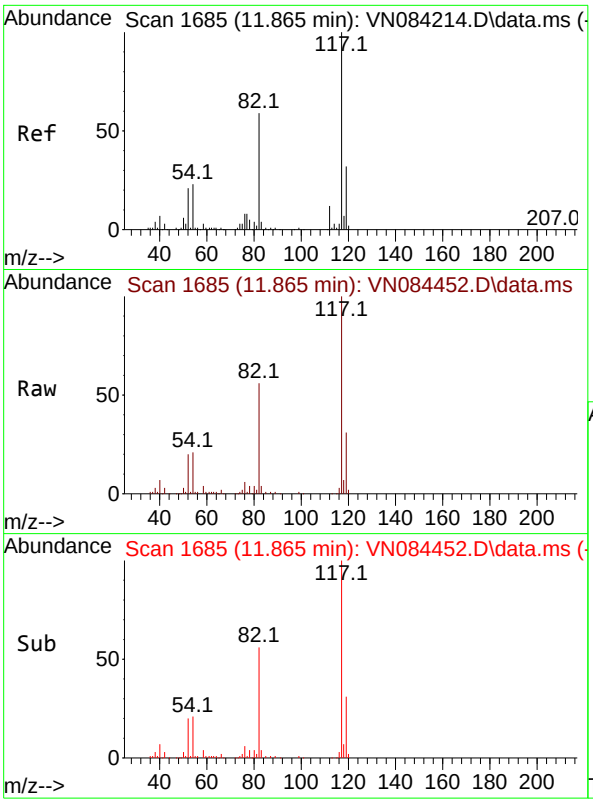


#62
4-Bromofluorobenzene
Concen: 44.996 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Tgt Ion: 95 Resp: 129594

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	145.2
176	71.8	0.0	140.0



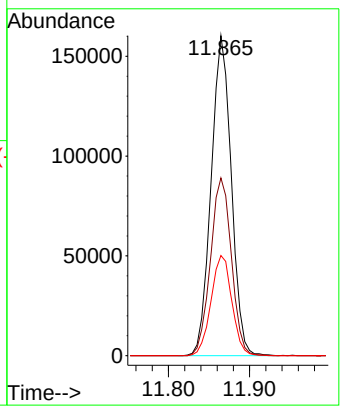


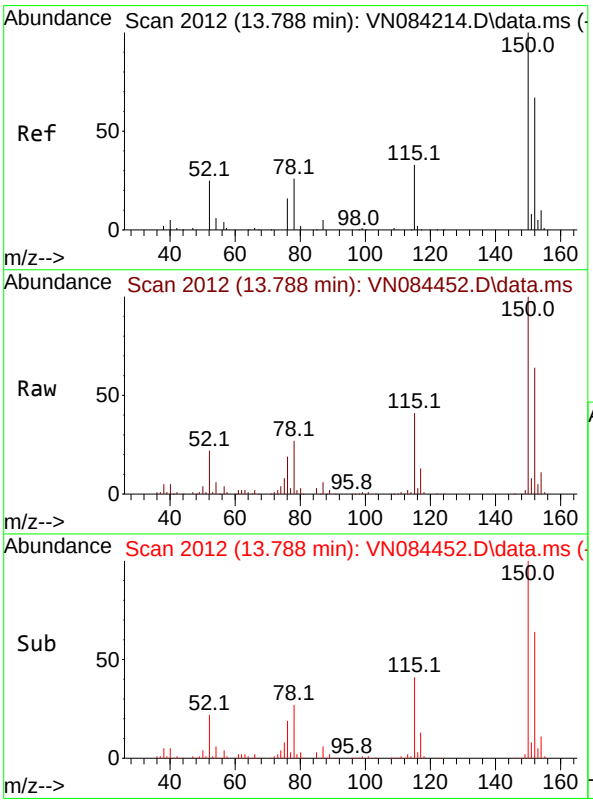
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBL01

Tgt Ion:117 Resp: 276681

Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.2	70.8
119	31.3	25.4	38.0

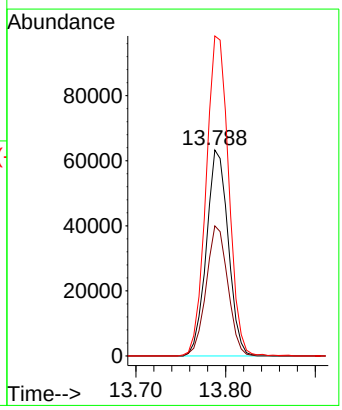




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084452.D
Acq: 22 Oct 2024 13:38

Tgt Ion:152 Resp: 106919

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.3	93.9
150	160.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 01:27:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	177710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	121628	46.161	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.320%		
35) Dibromofluoromethane	8.165	113	99350	49.544	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.080%		
50) Toluene-d8	10.565	98	359697	48.755	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.520%		
62) 4-Bromofluorobenzene	12.847	95	131806	49.040	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	30405	14.464	ug/l	88
3) Chloromethane	2.365	50	38245	15.934	ug/l	92
4) Vinyl Chloride	2.512	62	38348	16.494	ug/l	99
5) Bromomethane	2.953	94	26015	16.964	ug/l	96
6) Chloroethane	3.118	64	24567	14.755	ug/l	93
7) Trichlorofluoromethane	3.494	101	62625	17.298	ug/l	100
8) Diethyl Ether	3.959	74	23561	17.547	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.365	101	36860	17.769	ug/l	98
10) Methyl Iodide	4.589	142	46339	17.346	ug/l	99
11) Tert butyl alcohol	5.524	59	34138	78.574	ug/l	100
12) 1,1-Dichloroethene	4.347	96	36354	18.169	ug/l	90
13) Acrolein	4.177	56	28493	57.125	ug/l	99
14) Allyl chloride	5.024	41	57894	16.660	ug/l	96
15) Acrylonitrile	5.724	53	99053	90.281	ug/l	99
16) Acetone	4.430	43	92502	81.724	ug/l	100
17) Carbon Disulfide	4.712	76	103059	16.268	ug/l	100
18) Methyl Acetate	5.024	43	43324	17.561	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	119560	17.704	ug/l	98
20) Methylene Chloride	5.277	84	41973	18.242	ug/l	94
21) trans-1,2-Dichloroethene	5.788	96	37752	18.009	ug/l	97
22) Diisopropyl ether	6.671	45	129644	18.037	ug/l	96
23) Vinyl Acetate	6.606	43	460216	86.325	ug/l	100
24) 1,1-Dichloroethane	6.565	63	74312	18.487	ug/l	99
25) 2-Butanone	7.482	43	134974	87.552	ug/l	99
26) 2,2-Dichloropropane	7.488	77	64580	17.819	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	46201	18.239	ug/l	97
28) Bromochloromethane	7.818	49	33275	18.553	ug/l	95
29) Tetrahydrofuran	7.841	42	84149	88.450	ug/l	99
30) Chloroform	7.971	83	78076	18.699	ug/l	96
31) Cyclohexane	8.253	56	66769	17.108	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	68084	18.156	ug/l	96
36) 1,1-Dichloropropene	8.371	75	53919	18.511	ug/l	99
37) Ethyl Acetate	7.559	43	53127	17.779	ug/l	99
38) Carbon Tetrachloride	8.365	117	60111	18.813	ug/l	99
39) Methylcyclohexane	9.600	83	56729	17.499	ug/l	98
40) Benzene	8.606	78	169698	18.699	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 01:27:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	28308	17.450	ug/l		98
42) 1,2-Dichloroethane	8.671	62	56388	18.328	ug/l		99
43) Isopropyl Acetate	8.688	43	87191	14.897	ug/l		98
44) Trichloroethene	9.353	130	40177	18.955	ug/l		98
45) 1,2-Dichloropropane	9.623	63	40840	19.023	ug/l		96
46) Dibromomethane	9.706	93	28768	19.857	ug/l		98
47) Bromodichloromethane	9.882	83	61279	19.038	ug/l		91
48) Methyl methacrylate	9.676	41	41050	17.619	ug/l		98
49) 1,4-Dioxane	9.694	88	14851	346.222	ug/l	#	90
51) 4-Methyl-2-Pentanone	10.447	43	262197	92.172	ug/l		99
52) Toluene	10.629	92	106505	19.246	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	61026	18.600	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	64908	18.392	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	40314	20.321	ug/l		92
56) Ethyl methacrylate	10.870	69	59750	18.303	ug/l		95
57) 1,3-Dichloropropane	11.165	76	65745	18.546	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	124774	82.396	ug/l		98
59) 2-Hexanone	11.194	43	194266	91.370	ug/l		100
60) Dibromochloromethane	11.359	129	45869	19.568	ug/l		100
61) 1,2-Dibromoethane	11.470	107	39273	19.051	ug/l		100
64) Tetrachloroethene	11.106	164	34680	18.439	ug/l		96
65) Chlorobenzene	11.894	112	111661	18.650	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	38900	18.863	ug/l		99
67) Ethyl Benzene	11.964	91	192042	18.137	ug/l		99
68) m/p-Xylenes	12.070	106	148188	37.836	ug/l		99
69) o-Xylene	12.400	106	70695	19.078	ug/l		98
70) Styrene	12.412	104	120254	19.159	ug/l		98
71) Bromoform	12.576	173	29221	19.246	ug/l	#	96
73) Isopropylbenzene	12.694	105	182230	18.034	ug/l		98
74) N-amyl acetate	12.494	43	76299	16.674	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	55947	18.413	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	52772m	19.521	ug/l		
77) Bromobenzene	12.976	156	44866	18.407	ug/l		95
78) n-propylbenzene	13.035	91	213398	18.227	ug/l		99
79) 2-Chlorotoluene	13.123	91	134753	18.038	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	154916	18.794	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	21723	19.264	ug/l		87
82) 4-Chlorotoluene	13.217	91	137196	18.243	ug/l		99
83) tert-Butylbenzene	13.435	119	127869	17.454	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	153680	18.508	ug/l		97
85) sec-Butylbenzene	13.617	105	176234	18.027	ug/l		100
86) p-Isopropyltoluene	13.729	119	146590	18.133	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	83239	18.204	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	81325	17.612	ug/l		99
89) n-Butylbenzene	14.053	91	122182	16.668	ug/l		99
90) Hexachloroethane	14.329	117	28246	17.213	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	79655	17.766	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10211	16.285	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	36971	16.741	ug/l		99
94) Hexachlorobutadiene	15.500	225	18220	16.544	ug/l		96
95) Naphthalene	15.641	128	109289	14.927	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	36215	16.382	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 01:27:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

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

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

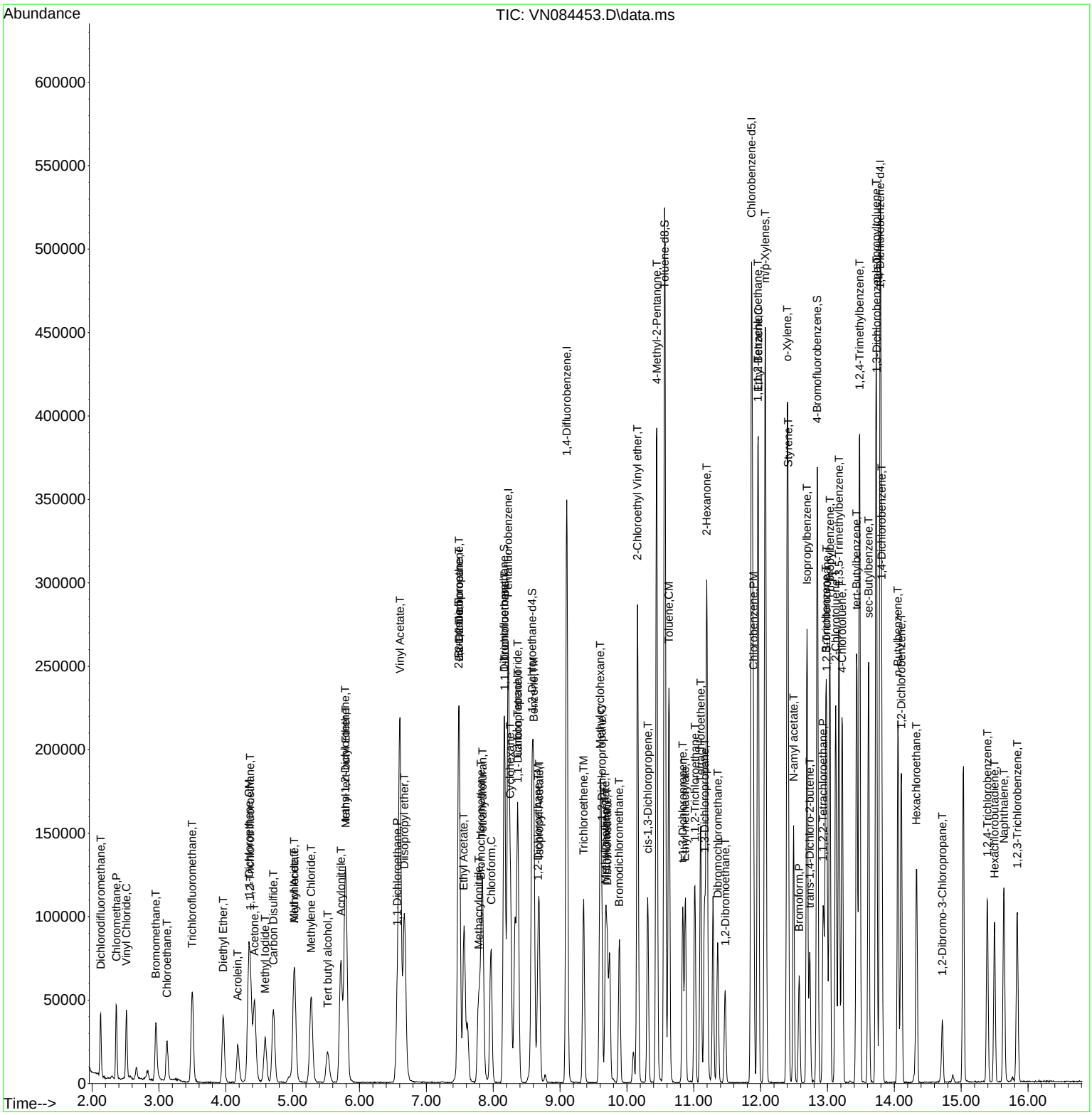
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Data File : VN084453.D
Acq On : 22 Oct 2024 14:01
Operator : JC\MD
Sample : VN1022WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 23 01:27:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	162648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118385	49.091	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.180%		
35) Dibromofluoromethane	8.165	113	92800	49.514	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.020%		
50) Toluene-d8	10.565	98	331212	48.033	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.060%		
62) 4-Bromofluorobenzene	12.847	95	122807	48.887	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.780%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	28241	14.679	ug/l	88
3) Chloromethane	2.359	50	35405	16.117	ug/l	99
4) Vinyl Chloride	2.512	62	35054	16.474	ug/l	95
5) Bromomethane	2.959	94	25307	18.031	ug/l	95
6) Chloroethane	3.124	64	23899	15.683	ug/l	98
7) Trichlorofluoromethane	3.494	101	59328	17.905	ug/l	91
8) Diethyl Ether	3.959	74	22634	18.418	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	34776	18.317	ug/l	99
10) Methyl Iodide	4.589	142	44688	18.277	ug/l	99
11) Tert butyl alcohol	5.518	59	34892	87.746	ug/l	100
12) 1,1-Dichloroethene	4.341	96	32769	17.894	ug/l	93
13) Acrolein	4.177	56	29404	64.411	ug/l	98
14) Allyl chloride	5.024	41	53581	16.847	ug/l	98
15) Acrylonitrile	5.718	53	97676	97.270	ug/l	99
16) Acetone	4.430	43	87135	84.111	ug/l	96
17) Carbon Disulfide	4.718	76	96268	16.603	ug/l	97
18) Methyl Acetate	5.030	43	44581	19.744	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	121253	19.617	ug/l	98
20) Methylene Chloride	5.277	84	41617	19.762	ug/l	95
21) trans-1,2-Dichloroethene	5.788	96	36611	19.082	ug/l	99
22) Diisopropyl ether	6.671	45	127788	19.425	ug/l	95
23) Vinyl Acetate	6.600	43	471205	96.571	ug/l	99
24) 1,1-Dichloroethane	6.571	63	72140	19.609	ug/l	98
25) 2-Butanone	7.482	43	130207	92.281	ug/l	100
26) 2,2-Dichloropropane	7.488	77	58286	17.571	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	44657	19.262	ug/l	96
28) Bromochloromethane	7.812	49	32800	19.982	ug/l	98
29) Tetrahydrofuran	7.841	42	84216	96.717	ug/l	98
30) Chloroform	7.965	83	74218	19.421	ug/l	94
31) Cyclohexane	8.259	56	59952	16.784	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	64815	18.885	ug/l	94
36) 1,1-Dichloropropene	8.371	75	50527	18.560	ug/l	98
37) Ethyl Acetate	7.559	43	53479	19.148	ug/l	97
38) Carbon Tetrachloride	8.359	117	55533	18.596	ug/l	92
39) Methylcyclohexane	9.600	83	52431	17.305	ug/l	95
40) Benzene	8.606	78	160063	18.871	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	29208	19.263	ug/l		96
42) 1,2-Dichloroethane	8.671	62	56362	19.601	ug/l		99
43) Isopropyl Acetate	8.688	43	87329	15.964	ug/l		97
44) Trichloroethene	9.353	130	37196	18.776	ug/l		95
45) 1,2-Dichloropropane	9.618	63	40032	19.951	ug/l		100
46) Dibromomethane	9.706	93	28247	20.861	ug/l		98
47) Bromodichloromethane	9.888	83	59421	19.752	ug/l		96
48) Methyl methacrylate	9.676	41	39452	18.117	ug/l		98
49) 1,4-Dioxane	9.694	88	15410	384.377	ug/l		97
51) 4-Methyl-2-Pentanone	10.447	43	265413	99.827	ug/l		99
52) Toluene	10.629	92	98137	18.974	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	58118	18.952	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	62876	19.062	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	38703	20.873	ug/l		96
56) Ethyl methacrylate	10.876	69	58523	19.181	ug/l		99
57) 1,3-Dichloropropane	11.159	76	67142	20.265	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	124778	88.160	ug/l		99
59) 2-Hexanone	11.194	43	191652	96.444	ug/l		99
60) Dibromochloromethane	11.359	129	45689	20.855	ug/l		98
61) 1,2-Dibromoethane	11.470	107	39095	20.291	ug/l		98
64) Tetrachloroethene	11.106	164	33764	19.244	ug/l		97
65) Chlorobenzene	11.888	112	109394	19.587	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.965	131	36735	19.096	ug/l		98
67) Ethyl Benzene	11.965	91	180220	18.246	ug/l		99
68) m/p-Xylenes	12.070	106	141783	38.806	ug/l		97
69) o-Xylene	12.400	106	65662	18.995	ug/l		96
70) Styrene	12.412	104	113796	19.435	ug/l		98
71) Bromoform	12.582	173	28447	20.085	ug/l	#	95
73) Isopropylbenzene	12.694	105	167871	18.213	ug/l		99
74) N-amyl acetate	12.494	43	74246	17.789	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	55170	19.906	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	51860m	21.031	ug/l		
77) Bromobenzene	12.982	156	42558	19.142	ug/l		96
78) n-propylbenzene	13.035	91	202008	18.916	ug/l		100
79) 2-Chlorotoluene	13.123	91	126589	18.577	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	144609	19.234	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.741	75	18211	17.706	ug/l		96
82) 4-Chlorotoluene	13.223	91	130226	18.984	ug/l		99
83) tert-Butylbenzene	13.435	119	120683	18.060	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	146120	19.292	ug/l		99
85) sec-Butylbenzene	13.617	105	166811	18.707	ug/l		100
86) p-Isopropyltoluene	13.729	119	139521	18.921	ug/l		98
87) 1,3-Dichlorobenzene	13.735	146	78103	18.726	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	79624	18.904	ug/l		100
89) n-Butylbenzene	14.053	91	118654	17.746	ug/l		99
90) Hexachloroethane	14.335	117	26884	17.962	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	75541	18.471	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10570	18.481	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	36540	18.139	ug/l		99
94) Hexachlorobutadiene	15.500	225	17391	17.312	ug/l		97
95) Naphthalene	15.641	128	109616	16.414	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	35947	17.827	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102224\
Data File : VN084454.D
Acq On : 22 Oct 2024 14:45
Operator : JC\MD
Sample : VN1022WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 23 01:28:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

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

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

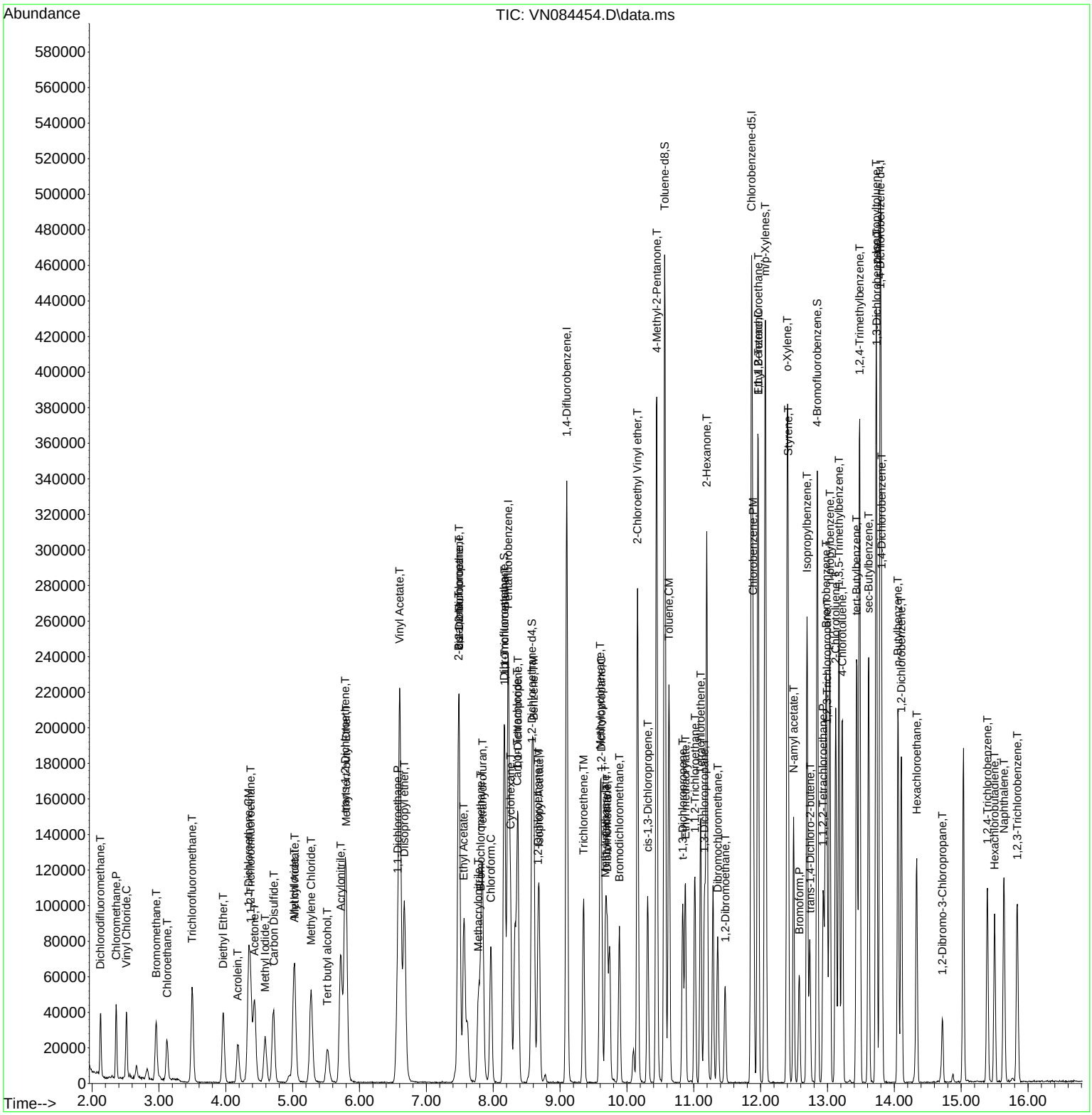
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Quant Title : SW846 8260
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Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1022WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



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

Manual Integration Report

Sequence:	vn093024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084213.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:48 AM	MMDadoda	10/1/2024 5:34:17 PM	Peak Integrated by Software
VSTDICCC050	VN084214.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:52 AM	MMDadoda	10/1/2024 5:34:19 PM	Peak Integrated by Software
VSTDICC020	VN084215.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:57 AM	MMDadoda	10/1/2024 5:34:21 PM	Peak Integrated by Software
VSTDICC010	VN084216.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:06 AM	MMDadoda	10/1/2024 5:34:22 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	1,1,2-Trichlorotrifluoroethane	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	Isopropyl Acetate	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	trans-1,2-Dichloroethene	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	Vinyl Acetate	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	1,4-Dichlorobenzene	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	Allyl chloride	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	Isopropyl Acetate	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn093024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN084218.D	Vinyl Acetate	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICV050	VN084220.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:38:01 AM	MMDadoda	10/1/2024 5:34:27 PM	Peak Integrated by Software
VSTDCCC050	VN084229.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:38:17 AM	MMDadoda	10/1/2024 5:34:32 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN102224	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084450.D	1,2,3-Trichloropropane	SAM	10/23/2024 9:49:28 AM	MMDadoda	10/23/2024 1:06:30 PM	Peak Integrated by Software
VN1022WBS01	VN084453.D	1,2,3-Trichloropropane	SAM	10/23/2024 9:49:33 AM	MMDadoda	10/23/2024 1:06:30 PM	Peak Integrated by Software
VN1022WBSD01	VN084454.D	1,2,3-Trichloropropane	SAM	10/23/2024 9:49:38 AM	MMDadoda	10/23/2024 1:06:29 PM	Peak Integrated by Software
VSTDCCC050	VN084464.D	1,2,3-Trichloropropane	SAM	10/23/2024 9:49:49 AM	MMDadoda	10/23/2024 1:06:32 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084211.D	30 Sep 2024 09:24	JC\MD	Ok
2	VSTDCCC050	VN084212.D	30 Sep 2024 11:45	JC\MD	Not Ok
3	VSTDICC100	VN084213.D	30 Sep 2024 12:25	JC\MD	Ok,M
4	VSTDICCC050	VN084214.D	30 Sep 2024 12:49	JC\MD	Ok,M
5	VSTDICC020	VN084215.D	30 Sep 2024 13:13	JC\MD	Ok,M
6	VSTDICC010	VN084216.D	30 Sep 2024 13:37	JC\MD	Ok,M
7	VSTDICC005	VN084217.D	30 Sep 2024 14:00	JC\MD	Ok,M
8	VSTDICC001	VN084218.D	30 Sep 2024 14:48	JC\MD	Ok,M
9	IBLK	VN084219.D	30 Sep 2024 15:12	JC\MD	Ok
10	VSTDICV050	VN084220.D	30 Sep 2024 15:36	JC\MD	Ok,M
11	VN0930MBL01	VN084221.D	30 Sep 2024 16:11	JC\MD	Ok
12	VN0930WBL01	VN084222.D	30 Sep 2024 16:35	JC\MD	Ok
13	VN0930WBS01	VN084223.D	30 Sep 2024 17:42	JC\MD	Ok,M
14	VN0930WBSD01	VN084224.D	30 Sep 2024 18:06	JC\MD	Ok,M
15	P4116-24	VN084225.D	30 Sep 2024 18:30	JC\MD	Dilution
16	P4116-25	VN084226.D	30 Sep 2024 18:54	JC\MD	Dilution
17	P4116-26	VN084227.D	30 Sep 2024 19:18	JC\MD	Dilution
18	P4116-27	VN084228.D	30 Sep 2024 19:42	JC\MD	Dilution
19	VSTDCCC050	VN084229.D	30 Sep 2024 20:06	JC\MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102224

Review By	Semsettin Yesilyurt	Review On	10/23/2024 9:50:24 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/23/2024 1:06:37 PM		
SubDirectory	VN102224	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131018
Initial Calibration Stds	
CCC	VP131019,VP131020
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084449.D	22 Oct 2024 08:33	JC\MD	Ok
2	VSTDCCC050	VN084450.D	22 Oct 2024 12:50	JC\MD	Ok,M
3	VN1022MBL01	VN084451.D	22 Oct 2024 13:14	JC\MD	Ok
4	VN1022WBL01	VN084452.D	22 Oct 2024 13:38	JC\MD	Ok
5	VN1022WBS01	VN084453.D	22 Oct 2024 14:01	JC\MD	Ok,M
6	VN1022WBSD01	VN084454.D	22 Oct 2024 14:45	JC\MD	Ok,M
7	P4475-04	VN084455.D	22 Oct 2024 15:09	JC\MD	Ok
8	P4475-01	VN084456.D	22 Oct 2024 15:33	JC\MD	Ok
9	IBLK	VN084457.D	22 Oct 2024 16:21	JC\MD	Ok
10	P4475-05	VN084458.D	22 Oct 2024 16:45	JC\MD	Ok
11	P4475-06	VN084459.D	22 Oct 2024 17:09	JC\MD	Ok
12	P4475-03	VN084460.D	22 Oct 2024 17:33	JC\MD	Ok
13	P4475-02	VN084461.D	22 Oct 2024 17:57	JC\MD	Ok
14	P4397-06	VN084462.D	22 Oct 2024 18:21	JC\MD	Ok,M
15	P4460-04	VN084463.D	22 Oct 2024 18:46	JC\MD	Ok
16	VSTDCCC050	VN084464.D	22 Oct 2024 19:10	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084211.D	30 Sep 2024 09:24		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084212.D	30 Sep 2024 11:45	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN084213.D	30 Sep 2024 12:25		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN084214.D	30 Sep 2024 12:49		JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN084215.D	30 Sep 2024 13:13		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN084216.D	30 Sep 2024 13:37		JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN084217.D	30 Sep 2024 14:00		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN084218.D	30 Sep 2024 14:48		JC\MD	Ok,M
9	IBLK	IBLK	VN084219.D	30 Sep 2024 15:12		JC\MD	Ok
10	VSTDICV050	ICVVN093024	VN084220.D	30 Sep 2024 15:36		JC\MD	Ok,M
11	VN0930MBL01	VN0930MBL01	VN084221.D	30 Sep 2024 16:11		JC\MD	Ok
12	VN0930WBL01	VN0930WBL01	VN084222.D	30 Sep 2024 16:35		JC\MD	Ok
13	VN0930WBS01	VN0930WBS01	VN084223.D	30 Sep 2024 17:42		JC\MD	Ok,M
14	VN0930WBSD01	VN0930WBSD01	VN084224.D	30 Sep 2024 18:06		JC\MD	Ok,M
15	P4116-24	RE132D5-20240918	VN084225.D	30 Sep 2024 18:30	vial A pH<2 Need 2x	JC\MD	Dilution
16	P4116-25	RE132D6-20240918	VN084226.D	30 Sep 2024 18:54	vial A pH<2 Need 40X	JC\MD	Dilution
17	P4116-26	RE132D7-20240918	VN084227.D	30 Sep 2024 19:18	vial A pH<2 Need 40X	JC\MD	Dilution
18	P4116-27	DUP05-20240918	VN084228.D	30 Sep 2024 19:42	vial A pH<2 Need 2x	JC\MD	Dilution

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VN084229.D	30 Sep 2024 20:06		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102224

Review By	Semsettin Yesilyurt	Review On	10/23/2024 9:50:24 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/23/2024 1:06:37 PM		
SubDirectory	VN102224	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131018
Initial Calibration Stds	
CCC	VP131019,VP131020
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084449.D	22 Oct 2024 08:33		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084450.D	22 Oct 2024 12:50		JC\MD	Ok,M
3	VN1022MBL01	VN1022MBL01	VN084451.D	22 Oct 2024 13:14		JC\MD	Ok
4	VN1022WBL01	VN1022WBL01	VN084452.D	22 Oct 2024 13:38		JC\MD	Ok
5	VN1022WBS01	VN1022WBS01	VN084453.D	22 Oct 2024 14:01		JC\MD	Ok,M
6	VN1022WBSD01	VN1022WBSD01	VN084454.D	22 Oct 2024 14:45		JC\MD	Ok,M
7	P4475-04	BP-VPB-190-GW-238-2	VN084455.D	22 Oct 2024 15:09		JC\MD	Ok
8	P4475-01	BP-VPB-190-TB-20241	VN084456.D	22 Oct 2024 15:33	TB	JC\MD	Ok
9	IBLK	IBLK	VN084457.D	22 Oct 2024 16:21		JC\MD	Ok
10	P4475-05	BP-VPB-190-GW-258-2	VN084458.D	22 Oct 2024 16:45		JC\MD	Ok
11	P4475-06	BP-VPB-190-GW-278-2	VN084459.D	22 Oct 2024 17:09		JC\MD	Ok
12	P4475-03	BP-VPB-190-GW-223-2	VN084460.D	22 Oct 2024 17:33		JC\MD	Ok
13	P4475-02	BP-VPB-190-DUP-2024	VN084461.D	22 Oct 2024 17:57		JC\MD	Ok
14	P4397-06	WB-301-BOT	VN084462.D	22 Oct 2024 18:21		JC\MD	Ok,M
15	P4460-04	WB-303-BOT	VN084463.D	22 Oct 2024 18:46		JC\MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VN084464.D	22 Oct 2024 19:10		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	P4460	**OrderDate:**	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-04	**WB-303-BOT**	**TCLP**			**10/18/24**			**10/18/24**
			TCLP VOA	8260D			10/22/24	

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TCLP EXTRACTION LOGPAGE

PB164262

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1

TCLP Filter ID : 50223706

Start Prep Date : 10/18/2024 **Time :** 17:00

End Prep Date : 10/19/2024 **Time :** 10:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	22437	N/A

Extraction Conformance/Non-Conformance Comments:

TUMBLER ZHE-1 checked,30 rpm. ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 mintues of tumbling.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 @.JP	JP Lab Room	MD NUCLAB.
@1100	**Preparation Group**	**Analysis Group**

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TCLP EXTRACTION LOGPAGE

PB164262

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4397-06	WB-301-BOT	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4443-05	OG-315-HR-502-COMP-29	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4443-10	OG-315-HR-502-COMP-30	03	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4458-02	280517	04	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4460-04	WB-303-BOT	05	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
PB164262TB	LEB262	06	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4397-06	WB-301-BOT	N/A	N/A	N/A	N/A	100	N/A
P4443-05	OG-315-HR-502-COMP-29	N/A	N/A	N/A	N/A	100	N/A
P4443-10	OG-315-HR-502-COMP-30	N/A	N/A	N/A	N/A	100	N/A
P4458-02	280517	N/A	N/A	N/A	N/A	100	N/A
P4460-04	WB-303-BOT	N/A	N/A	N/A	N/A	100	N/A
PB164262TB	LEB262	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHE P4397 **WorkList ID :** 184596 **Department :** TCLP Extraction **Date :** 10-18-2024 14:05:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4397-06	WB-301-BOT	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06		10/10/2024	1311 ZHE
P4443-05	OG-315-HR-502-COMP-29	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311 ZHE
P4443-10	OG-315-HR-502-COMP-30	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311 ZHE
P4458-02	280517	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K51	10/18/2024	1311 ZHE
P4460-04	WB-303-BOT	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	K51	10/18/2024	1311 ZHE

Date/Time 10-18-24 16:20
Raw Sample Received by: JD WC
Raw Sample Relinquished by: CR SM

Date/Time 10-18-24 18:30
Raw Sample Received by: CR SM
Raw Sample Relinquished by: JD WC

P4460

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Hit Summary Sheet
SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**WB-303-TOP**								
P4460-02	WB-303-TOP	SOIL	Fluoranthene		210.000	J	160	330	ug/Kg
P4460-02	WB-303-TOP	SOIL	Pyrene		290.000	J	160	330	ug/Kg
P4460-02	WB-303-TOP	SOIL	Benzo(a)anthracene		190.000	J	160	330	ug/Kg
P4460-02	WB-303-TOP	SOIL	Chrysene		160.000	J	150	330	ug/Kg
P4460-02	WB-303-TOP	SOIL	Benzo(a)pyrene		180.000	J	180	330	ug/Kg
			Total Svoc :		**1,030.00**				
P4460-02	WB-303-TOP	SOIL	Hop-22(29)-en-3.beta.-ol	*	330.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	n-Hexadecanoic acid	*	380.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	.alpha.-Amyrone	*	760.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	1-Pentadecanethiol	*	140.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	2H-Cyclopropa[a]naphthalen-2-or	*	140.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	300.000	AB	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	unknown12.021	*	270.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	unknown17.286	*	180.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	Benzophenone	*	270.000	J	0	0	ug/Kg
P4460-02	WB-303-TOP	SOIL	Butane, 2-methoxy-2-methyl-	*	4,000.000	JB	0	0	ug/Kg
			Total Tics :		**6,770.00**				
			Total Concentration:		**7,800.00**				
Client ID :	**WB-303-BOT**								
P4460-03	WB-303-BOT	SOIL	Naphthalene		210.000		100	210	ug/Kg
			Total Svoc :		**210.00**				
P4460-03	WB-303-BOT	SOIL	Nonadecane	*	1,000.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Nonane, 2,6-dimethyl-	*	920.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Pentadecane, 2,6,10-trimethyl-	*	350.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Tetradecane, 3-methyl-	*	330.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Tetratetracontane	*	470.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Tridecane	*	1,200.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Undecane	*	440.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Undecane, 2,6-dimethyl-	*	370.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	1-Docosene	*	530.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	310.000	AB	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	3-Ethyl-2,6,10-trimethylundecane	*	1,900.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Benzene, 2-ethenyl-1,4-dimethyl-	*	360.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Butane, 2-methoxy-2-methyl-	*	3,800.000	JB	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Decane, 3,8-dimethyl-	*	590.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Decane, 5-ethyl-5-methyl-	*	680.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Dodecane, 2,6,11-trimethyl-	*	490.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P4460-03	WB-303-BOT	SOIL	Heptacosane	*	710.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Heptadecane	*	2,700.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Hexadecane	*	3,900.000	J	0	0	ug/Kg
P4460-03	WB-303-BOT	SOIL	Hexadecane, 7-methyl-	*	500.000	J	0	0	ug/Kg
			Total Tics :		**21,550.00**				
			Total Concentration:		**21,760.00**				
Client ID :	**WB-303-SW**								
P4460-06	WB-303-SW	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	3.500	A	0	0	ug/L
P4460-06	WB-303-SW	WATER	Benzophenone	*	3.400	J	0	0	ug/L
			Total Tics :		**6.90**				
			Total Concentration:		**6.90**				

SAMPLE DATA

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	51.5
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
BF140068.D	1	10/21/24 09:28	10/26/24 19:09	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	350	U	350	640	ug/Kg
108-95-2	Phenol	160	U	160	330	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	160	U	160	330	ug/Kg
95-57-8	2-Chlorophenol	160	U	160	330	ug/Kg
95-48-7	2-Methylphenol	160	U	160	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	180	330	ug/Kg
98-86-2	Acetophenone	170	U	170	330	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	640	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	78.2	U	78.2	160	ug/Kg
67-72-1	Hexachloroethane	160	U	160	330	ug/Kg
98-95-3	Nitrobenzene	180	U	180	330	ug/Kg
78-59-1	Isophorone	160	U	160	330	ug/Kg
88-75-5	2-Nitrophenol	180	U	180	330	ug/Kg
105-67-9	2,4-Dimethylphenol	180	U	180	330	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	170	330	ug/Kg
120-83-2	2,4-Dichlorophenol	150	U	150	330	ug/Kg
91-20-3	Naphthalene	160	U	160	330	ug/Kg
106-47-8	4-Chloroaniline	160	UQ	160	330	ug/Kg
87-68-3	Hexachlorobutadiene	160	U	160	330	ug/Kg
105-60-2	Caprolactam	170	U	170	640	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	150	330	ug/Kg
91-57-6	2-Methylnaphthalene	160	U	160	330	ug/Kg
77-47-4	Hexachlorocyclopentadiene	300	UQ	300	640	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	U	140	330	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	140	330	ug/Kg
92-52-4	1,1-Biphenyl	170	U	170	330	ug/Kg
91-58-7	2-Chloronaphthalene	160	U	160	330	ug/Kg
88-74-4	2-Nitroaniline	180	U	180	330	ug/Kg
131-11-3	Dimethylphthalate	160	U	160	330	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	51.5
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
BF140068.D	1	10/21/24 09:28	10/26/24 19:09	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	170	330	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	U	160	330	ug/Kg
99-09-2	3-Nitroaniline	170	U	170	330	ug/Kg
83-32-9	Acenaphthene	160	U	160	330	ug/Kg
51-28-5	2,4-Dinitrophenol	470	U	470	640	ug/Kg
100-02-7	4-Nitrophenol	230	U	230	640	ug/Kg
132-64-9	Dibenzofuran	160	U	160	330	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	170	330	ug/Kg
84-66-2	Diethylphthalate	160	U	160	330	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	170	330	ug/Kg
86-73-7	Fluorene	170	U	170	330	ug/Kg
100-01-6	4-Nitroaniline	210	U	210	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	230	U	230	640	ug/Kg
86-30-6	n-Nitrosodiphenylamine	160	U	160	330	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	330	ug/Kg
118-74-1	Hexachlorobenzene	160	U	160	330	ug/Kg
1912-24-9	Atrazine	180	U	180	330	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	640	ug/Kg
85-01-8	Phenanthrene	160	U	160	330	ug/Kg
120-12-7	Anthracene	160	U	160	330	ug/Kg
86-74-8	Carbazole	160	U	160	330	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	160	330	ug/Kg
206-44-0	Fluoranthene	210	J	160	330	ug/Kg
129-00-0	Pyrene	290	J	160	330	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	190	330	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	640	ug/Kg
56-55-3	Benzo(a)anthracene	190	J	160	330	ug/Kg
218-01-9	Chrysene	160	J	150	330	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	U	180	330	ug/Kg
117-84-0	Di-n-octyl phthalate	210	U	210	640	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	U	160	330	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	51.5
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
BF140068.D	1	10/21/24 09:28	10/26/24 19:09	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	160	U	160	330	ug/Kg
50-32-8	Benzo(a)pyrene	180	J	180	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	150	330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	160	330	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	U	160	330	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	170	330	ug/Kg
123-91-1	1,4-Dioxane	210	U	210	330	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	330	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	84.0		30 (18) - 130 (112)	56%	SPK: 150
13127-88-3	Phenol-d6	82.9		30 (15) - 130 (107)	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.6		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.1		30 (20) - 130 (109)	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.2		30 (10) - 130 (116)	55%	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	142000	6.886			
1146-65-2	Naphthalene-d8	555000	8.169			
15067-26-2	Acenaphthene-d10	315000	9.922			
1517-22-2	Phenanthrene-d10	503000	11.41			
1719-03-5	Chrysene-d12	252000	14.045			
1520-96-3	Perylene-d12	283000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	4000	JB		2.20	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	AB		5.12	ug/Kg
000119-61-9	Benzophenone	270	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	380	J		11.9	ug/Kg
	unknown12.021	270	J		12.0	ug/Kg
025276-70-4	1-Pentadecanethiol	140	J		13.9	ug/Kg
	unknown17.286	180	J		17.3	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	51.5
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
BF140068.D	1	10/21/24 09:28	10/26/24 19:09	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
006831-17-0	2H-Cyclopropa[a]naphthalen-2-one,	140	J		17.9	ug/Kg
000638-96-0	.alpha.-Amyrone	760	J		18.2	ug/Kg
058801-23-3	Hop-22(29)-en-3.beta.-ol	330	J		18.5	ug/Kg

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140063.D	1	10/21/24 09:28	10/26/24 16:48	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230	U	230	410	ug/Kg
108-95-2	Phenol	100	U	100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	210	ug/Kg
95-48-7	2-Methylphenol	100	U	100	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	210	ug/Kg
98-86-2	Acetophenone	110	U	110	210	ug/Kg
65794-96-9	3+4-Methylphenols	99.6	U	99.6	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.3	U	50.3	99.8	ug/Kg
67-72-1	Hexachloroethane	100	U	100	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	210	ug/Kg
78-59-1	Isophorone	110	U	110	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	94.2	U	94.2	210	ug/Kg
91-20-3	Naphthalene	210		100	210	ug/Kg
106-47-8	4-Chloroaniline	100	UQ	100	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	210	ug/Kg
105-60-2	Caprolactam	110	U	110	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96.7	U	96.7	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	UQ	190	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.1	U	89.1	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	92.3	U	92.3	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	210	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140063.D	1	10/21/24 09:28	10/26/24 16:48	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	210	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	210	ug/Kg
84-66-2	Diethylphthalate	99.9	U	99.9	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	210	ug/Kg
86-73-7	Fluorene	110	U	110	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	98.4	U	98.4	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	210	ug/Kg
1912-24-9	Atrazine	110	U	110	210	ug/Kg
87-86-5	Pentachlorophenol	96.4	U	96.4	410	ug/Kg
85-01-8	Phenanthrene	100	U	100	210	ug/Kg
120-12-7	Anthracene	110	U	110	210	ug/Kg
86-74-8	Carbazole	100	U	100	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	410	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	210	ug/Kg
218-01-9	Chrysene	99.2	U	99.2	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	210	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140063.D	1	10/21/24 09:28	10/26/24 16:48	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	100	U	100	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	97.4	U	97.4	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	99.9	U	99.9	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	93.2	U	93.2	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	127		30 (18) - 130 (112)	85%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		30 (18) - 130 (107)	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.6		30 (20) - 130 (109)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		30 (10) - 130 (116)	95%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (10) - 130 (105)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	129000	6.887			
1146-65-2	Naphthalene-d8	477000	8.169			
15067-26-2	Acenaphthene-d10	260000	9.928			
1517-22-2	Phenanthrene-d10	445000	11.41			
1719-03-5	Chrysene-d12	218000	14.051			
1520-96-3	Perylene-d12	237000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	3800	JB		2.22	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	310	AB		5.13	ug/Kg
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	360	J		7.91	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	370	J		8.47	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	490	J		8.59	ug/Kg
000629-92-5	Nonadecane	1000	J		8.76	ug/Kg
000593-49-7	Heptacosane	710	J		9.13	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140063.D	1	10/21/24 09:28	10/26/24 16:48	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
017312-55-9	Decane, 3,8-dimethyl-	590	J		9.17	ug/Kg
017302-28-2	Nonane, 2,6-dimethyl-	920	J		9.19	ug/Kg
000544-76-3	Hexadecane	3900	J		9.33	ug/Kg
017312-74-2	Decane, 5-ethyl-5-methyl-	680	J		9.58	ug/Kg
1000432-25-9	3-Ethyl-2,6,10-trimethylundecane	1900	J		9.64	ug/Kg
018435-22-8	Tetradecane, 3-methyl-	330	J		9.70	ug/Kg
000629-78-7	Heptadecane	2700	J		9.86	ug/Kg
001120-21-4	Undecane	440	J		10.1	ug/Kg
007098-22-8	Tetratetracontane	470	J		10.2	ug/Kg
000629-50-5	Tridecane	1200	J		10.4	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	350	J		10.6	ug/Kg
026730-20-1	Hexadecane, 7-methyl-	500	J		10.8	ug/Kg
001599-67-3	1-Docosene	530	J		13.9	ug/Kg

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048238.D	1	10/23/24 09:50	10/25/24 16:21	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.10	U	4.10	10.2	ug/L
108-95-2	Phenol	0.95	U	0.95	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.10	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	5.10	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.10	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.10	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.60	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.10	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.10	ug/L
78-59-1	Isophorone	1.20	U	1.20	5.10	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.10	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.10	ug/L
120-83-2	2,4-Dichlorophenol	0.90	U	0.90	5.10	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.10	ug/L
106-47-8	4-Chloroaniline	1.30	UQ	1.30	5.10	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.10	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.2	ug/L
59-50-7	4-Chloro-3-methylphenol	0.86	U	0.86	5.10	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	5.10	UQ	5.10	10.2	ug/L
88-06-2	2,4,6-Trichlorophenol	0.91	U	0.91	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.10	ug/L
92-52-4	1,1-Biphenyl	0.93	U	0.93	5.10	ug/L
91-58-7	2-Chloronaphthalene	0.99	U	0.99	5.10	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.10	ug/L
131-11-3	Dimethylphthalate	0.95	U	0.95	5.10	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048238.D	1	10/23/24 09:50	10/25/24 16:21	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.10	U	1.10	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	1.30	U	1.30	5.10	ug/L
99-09-2	3-Nitroaniline	1.40	UQ	1.40	5.10	ug/L
83-32-9	Acenaphthene	0.83	U	0.83	5.10	ug/L
51-28-5	2,4-Dinitrophenol	6.60	U	6.60	10.2	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.2	ug/L
132-64-9	Dibenzofuran	0.95	U	0.95	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	1.60	U	1.60	5.10	ug/L
84-66-2	Diethylphthalate	1.10	U	1.10	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.00	U	1.00	5.10	ug/L
86-73-7	Fluorene	0.98	U	0.98	5.10	ug/L
100-01-6	4-Nitroaniline	2.10	U	2.10	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.2	ug/L
86-30-6	n-Nitrosodiphenylamine	0.91	U	0.91	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	0.97	U	0.97	5.10	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.10	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.10	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.2	ug/L
85-01-8	Phenanthrene	0.91	U	0.91	5.10	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.10	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.10	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.10	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.10	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.10	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	UQ	1.30	10.2	ug/L
56-55-3	Benzo(a)anthracene	0.96	U	0.96	5.10	ug/L
218-01-9	Chrysene	0.88	U	0.88	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.10	ug/L
117-84-0	Di-n-octyl phthalate	2.60	U	2.60	10.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.10	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048238.D	1	10/23/24 09:50	10/25/24 16:21	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.10	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.10	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.81	U	0.81	5.10	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	42.1		15 (10) - 110 (139)	56%	SPK: 75
13127-88-3	Phenol-d6	36.5		15 (10) - 110 (134)	49%	SPK: 75
4165-60-0	Nitrobenzene-d5	42.7		30 (49) - 130 (133)	85%	SPK: 50
321-60-8	2-Fluorobiphenyl	40.3		30 (52) - 130 (132)	81%	SPK: 50
118-79-6	2,4,6-Tribromophenol	67.4		15 (44) - 110 (137)	90%	SPK: 75
1718-51-0	Terphenyl-d14	45.8		30 (48) - 130 (125)	92%	SPK: 50
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	214000	7.716			
1146-65-2	Naphthalene-d8	870000	10.51			
15067-26-2	Acenaphthene-d10	580000	14.363			
1517-22-2	Phenanthrene-d10	1250000	17.104			
1719-03-5	Chrysene-d12	1150000	21.327			
1520-96-3	Perylene-d12	1230000	24.28			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.50	A		4.83	ug/L
000119-61-9	Benzophenone	3.40	J		15.7	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	490 Units: mL	Final Vol:	500 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048238.D	1	10/23/24 09:50	10/25/24 16:21	PB164369

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

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4460-02	WB-303-TOP	2-Fluorophenol	150	84.0	56		30 (18)	130 (112)
		Phenol-d6	150	82.9	55		30 (15)	130 (107)
		Nitrobenzene-d5	100	59.6	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	55.1	55		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	82.2	55		30 (10)	130 (116)
		Terphenyl-d14	100	54.1	54		30 (10)	130 (105)
P4460-03	WB-303-BOT	2-Fluorophenol	150	127	85		30 (18)	130 (112)
		Phenol-d6	150	126	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	101	101		30 (18)	130 (107)
		2-Fluorobiphenyl	100	93.6	94		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	143	95		30 (10)	130 (116)
		Terphenyl-d14	100	101	101		30 (10)	130 (105)
P4460-03MS	WB-303-BOTMS	2-Fluorophenol	150	119	79		30 (18)	130 (112)
		Phenol-d6	150	119	79		30 (15)	130 (107)
		Nitrobenzene-d5	100	92.8	93		30 (18)	130 (107)
		2-Fluorobiphenyl	100	90.6	91		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	140	94		30 (10)	130 (116)
		Terphenyl-d14	100	77.7	78		30 (10)	130 (105)
P4460-03MSD	WB-303-BOTMSD	2-Fluorophenol	150	113	75		30 (18)	130 (112)
		Phenol-d6	150	140	93		30 (15)	130 (107)
		Nitrobenzene-d5	100	101	101		30 (18)	130 (107)
		2-Fluorobiphenyl	100	98.3	98		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	149	100		30 (10)	130 (116)
		Terphenyl-d14	100	81.9	82		30 (10)	130 (105)
PB164286BL	PB164286BL	2-Fluorophenol	150	134	90		30 (18)	130 (112)
		Phenol-d6	150	131	87		30 (15)	130 (107)
		Nitrobenzene-d5	100	99.4	99		30 (18)	130 (107)
		2-Fluorobiphenyl	100	94.7	95		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	156	104		30 (10)	130 (116)
		Terphenyl-d14	100	98.4	98		30 (10)	130 (105)
PB164286BS	PB164286BS	2-Fluorophenol	150	123	82		30 (18)	130 (112)
		Phenol-d6	150	120	80		30 (15)	130 (107)
		Nitrobenzene-d5	100	91.8	92		30 (18)	130 (107)
		2-Fluorobiphenyl	100	86.5	87		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	147	98		30 (10)	130 (116)
		Terphenyl-d14	100	95.7	96		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4460-06	WB-303-SW	2-Fluorophenol	75	42.1	56		15 (10)	110 (139)
		Phenol-d6	75	36.5	49		15 (10)	110 (134)
		Nitrobenzene-d5	50	42.7	85		30 (49)	130 (133)
		2-Fluorobiphenyl	50	40.3	81		30 (52)	130 (132)
		2,4,6-Tribromophenol	75	67.4	90		15 (44)	110 (137)
		Terphenyl-d14	50	45.8	92		30 (48)	130 (125)
PB164369BL	PB164369BL	2-Fluorophenol	150	151	101		15 (10)	110 (139)
		Phenol-d6	150	138	92		15 (10)	110 (134)
		Nitrobenzene-d5	100	92.1	92		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.8	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	88		15 (44)	110 (137)
		Terphenyl-d14	100	105	105		30 (48)	130 (125)
PB164369BS	PB164369BS	2-Fluorophenol	150	144	96		15 (10)	110 (139)
		Phenol-d6	150	131	87		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.5	96		30 (49)	130 (133)
		2-Fluorobiphenyl	100	99.0	99		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	89		15 (44)	110 (137)
		Terphenyl-d14	100	103	103		30 (48)	130 (125)
PB164369BSD	PB164369BSD	2-Fluorophenol	150	146	97		15 (10)	110 (139)
		Phenol-d6	150	135	90		15 (10)	110 (134)
		Nitrobenzene-d5	100	94.8	95		30 (49)	130 (133)
		2-Fluorobiphenyl	100	96.5	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	132	88		15 (44)	110 (137)
		Terphenyl-d14	100	110	110		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4460-03MS		**Client Sample ID: WB-303-BOTMS**						**DataFile: BF140006.D**			
Benzaldehyde	2100	0	600	ug/Kg	29				20 (10)	160 (86)	
Phenol	2100	0	1900	ug/Kg	90				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	2100	0	1900	ug/Kg	90				70 (54)	130 (125)	
2-Chlorophenol	2100	0	2000	ug/Kg	95				70 (79)	130 (107)	
2-Methylphenol	2100	0	1900	ug/Kg	90				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	2100	0	1800	ug/Kg	86				70 (65)	130 (110)	
Acetophenone	2100	0	2000	ug/Kg	95				70 (75)	130 (111)	
3+4-Methylphenols	2100	0	1900	ug/Kg	90				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	2100	0	1900	ug/Kg	90				70 (59)	130 (119)	
Hexachloroethane	2100	0	2100	ug/Kg	100				20 (65)	160 (117)	
Nitrobenzene	2100	0	1900	ug/Kg	90				70 (70)	130 (119)	
Isophorone	2100	0	2000	ug/Kg	95				70 (76)	130 (122)	
2-Nitrophenol	2100	0	2400	ug/Kg	114				70 (54)	130 (145)	
2,4-Dimethylphenol	2100	0	2200	ug/Kg	105				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	2100	0	1900	ug/Kg	90				70 (68)	130 (112)	
2,4-Dichlorophenol	2100	0	2000	ug/Kg	95				70 (72)	130 (118)	
Naphthalene	2100	210	2100	ug/Kg	90				70 (72)	130 (110)	
4-Chloroaniline	2100	0	720	ug/Kg	34	*			70 (10)	130 (91)	
Hexachlorobutadiene	2100	0	2000	ug/Kg	95				70 (66)	130 (114)	
Caprolactam	2100	0	2700	ug/Kg	129				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2100	0	1900	ug/Kg	90				70 (57)	130 (132)	
2-Methylnaphthalene	2100	0	2000	ug/Kg	95				70 (59)	130 (123)	
Hexachlorocyclopentadiene	4200	0	6900	ug/Kg	164	*			20 (10)	160 (175)	
2,4,6-Trichlorophenol	2100	0	2100	ug/Kg	100				70 (72)	130 (117)	
2,4,5-Trichlorophenol	2100	0	2000	ug/Kg	95				70 (72)	130 (117)	
1,1-Biphenyl	2100	0	2000	ug/Kg	95				70 (75)	130 (113)	
2-Chloronaphthalene	2100	0	1900	ug/Kg	90				70 (67)	130 (118)	
2-Nitroaniline	2100	0	2200	ug/Kg	105				70 (69)	130 (127)	
Dimethylphthalate	2100	0	2000	ug/Kg	95				70 (70)	130 (113)	
Acenaphthylene	2100	0	2100	ug/Kg	100				70 (79)	130 (118)	
2,6-Dinitrotoluene	2100	0	2100	ug/Kg	100				70 (70)	130 (125)	
3-Nitroaniline	2100	0	1500	ug/Kg	71				70 (30)	130 (99)	
Acenaphthene	2100	0	2300	ug/Kg	110				70 (70)	130 (121)	
2,4-Dinitrophenol	4200	0	5200	ug/Kg	124				20 (10)	160 (155)	
4-Nitrophenol	4200	0	4100	ug/Kg	98				20 (45)	160 (133)	
Dibenzofuran	2100	0	2000	ug/Kg	95				70 (72)	130 (110)	
2,4-Dinitrotoluene	2100	0	2300	ug/Kg	110				70 (55)	130 (128)	
Diethylphthalate	2100	0	2000	ug/Kg	95				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	2100	0	2000	ug/Kg	95				70 (71)	130 (108)	
Fluorene	2100	0	2000	ug/Kg	95				70 (68)	130 (116)	
4-Nitroaniline	2100	0	2000	ug/Kg	95				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	2100	0	3100	ug/Kg	148	*			70 (10)	130 (160)	
N-Nitrosodiphenylamine	2100	0	2200	ug/Kg	105				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2100	0	2200	ug/Kg	105				70 (65)	130 (121)	
Hexachlorobenzene	2100	0	2100	ug/Kg	100				70 (67)	130 (118)	
Atrazine	2100	0	2600	ug/Kg	124				70 (79)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	4200	0	4100	ug/Kg	98				20 (47)	160 (128)	
Phenanthrene	2100	0	2000	ug/Kg	95				70 (52)	130 (128)	
Anthracene	2100	0	2100	ug/Kg	100				70 (62)	130 (124)	
Carbazole	2100	0	1900	ug/Kg	90				70 (59)	130 (119)	
Di-n-butylphthalate	2100	0	2100	ug/Kg	100				70 (69)	130 (118)	
Fluoranthene	2100	0	1700	ug/Kg	81				70 (44)	130 (125)	
Pyrene	2100	0	1700	ug/Kg	81				70 (26)	130 (142)	
Butylbenzylphthalate	2100	0	2100	ug/Kg	100				70 (64)	130 (126)	
3,3-Dichlorobenzidine	2100	0	1600	ug/Kg	76				70 (33)	130 (116)	
Benzo(a)anthracene	2100	0	2100	ug/Kg	100				70 (71)	130 (114)	
Chrysene	2100	0	2000	ug/Kg	95				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2100	0	2500	ug/Kg	119				70 (42)	130 (169)	
Di-n-octyl phthalate	2100	0	2600	ug/Kg	124				70 (23)	130 (175)	
Benzo(b)fluoranthene	2100	0	2000	ug/Kg	95				70 (67)	130 (121)	
Benzo(k)fluoranthene	2100	0	1800	ug/Kg	86				70 (57)	130 (134)	
Benzo(a)pyrene	2100	0	2200	ug/Kg	105				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2100	0	2000	ug/Kg	95				70 (40)	130 (129)	
Dibenz(a,h)anthracene	2100	0	2000	ug/Kg	95				70 (43)	130 (123)	
Benzo(g,h,i)perylene	2100	0	1700	ug/Kg	81				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	2100	0	2000	ug/Kg	95				70 (69)	130 (124)	
1,4-Dioxane	2100	0	1700	ug/Kg	81				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2100	0	2100	ug/Kg	100				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4460-03MSD		**Client Sample ID: WB-303-BOTMSD**						**DataFile: BF140007.D**			
Benzaldehyde	2100	0	720	ug/Kg	34		16		20 (10)	160 (86)	30 (20)
Phenol	2100	0	2300	ug/Kg	110		20		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	2100	0	2300	ug/Kg	110		20		70 (54)	130 (125)	30 (20)
2-Chlorophenol	2100	0	2400	ug/Kg	114		18		70 (79)	130 (107)	30 (20)
2-Methylphenol	2100	0	1700	ug/Kg	81		11		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	2100	0	1600	ug/Kg	76		12		70 (65)	130 (110)	30 (20)
Acetophenone	2100	0	2200	ug/Kg	105		10		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	2100	0	1600	ug/Kg	76		17		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	2100	0	1600	ug/Kg	76		17		70 (59)	130 (119)	30 (20)
Hexachloroethane	2100	0	2000	ug/Kg	95		5		20 (65)	160 (117)	30 (20)
Nitrobenzene	2100	0	2100	ug/Kg	100		11		70 (70)	130 (119)	30 (20)
Isophorone	2100	0	2200	ug/Kg	105		10		70 (76)	130 (122)	30 (20)
2-Nitrophenol	2100	0	2600	ug/Kg	124		8		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	2100	0	2400	ug/Kg	114		8		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	2100	0	2000	ug/Kg	95		5		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	2100	0	2200	ug/Kg	105		10		70 (72)	130 (118)	30 (20)
Naphthalene	2100	210	2200	ug/Kg	95		5		70 (72)	130 (110)	30 (20)
4-Chloroaniline	2100	0	760	ug/Kg	36	*	6		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	2100	0	2200	ug/Kg	105		10		70 (66)	130 (114)	30 (20)
Caprolactam	2100	0	2800	ug/Kg	133		3		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2100	0	2100	ug/Kg	100		11		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2100	0	2100	ug/Kg	100		5		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	4200	0	7500	ug/Kg	179	*	9		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2100	0	2200	ug/Kg	105		5		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	2100	0	2100	ug/Kg	100		5		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	2100	0	2100	ug/Kg	100		5		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	2100	0	2100	ug/Kg	100		11		70 (67)	130 (118)	30 (20)
2-Nitroaniline	2100	0	2400	ug/Kg	114		8		70 (69)	130 (127)	30 (20)
Dimethylphthalate	2100	0	2100	ug/Kg	100		5		70 (70)	130 (113)	30 (20)
Acenaphthylene	2100	0	2300	ug/Kg	110		10		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	2100	0	2200	ug/Kg	105		5		70 (70)	130 (125)	30 (20)
3-Nitroaniline	2100	0	1500	ug/Kg	71		0		70 (30)	130 (99)	30 (20)
Acenaphthene	2100	0	2400	ug/Kg	114		4		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	4200	0	5500	ug/Kg	131		5		20 (10)	160 (155)	30 (20)
4-Nitrophenol	4200	0	4400	ug/Kg	105		7		20 (45)	160 (133)	30 (20)
Dibenzofuran	2100	0	2200	ug/Kg	105		10		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	2100	0	2400	ug/Kg	114		4		70 (55)	130 (128)	30 (20)
Diethylphthalate	2100	0	2200	ug/Kg	105		10		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	2100	0	2200	ug/Kg	105		10		70 (71)	130 (108)	30 (20)
Fluorene	2100	0	2100	ug/Kg	100		5		70 (68)	130 (116)	30 (20)
4-Nitroaniline	2100	0	2100	ug/Kg	100		5		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	2100	0	3300	ug/Kg	157	*	6		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	2100	0	2300	ug/Kg	110		5		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2100	0	2300	ug/Kg	110		5		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2100	0	2300	ug/Kg	110		10		70 (67)	130 (118)	30 (20)
Atrazine	2100	0	2800	ug/Kg	133	*	7		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	4200	0	4400	ug/Kg	105		7		20 (47)	160 (128)	30 (20)
Phenanthrene	2100	0	2200	ug/Kg	105		10		70 (52)	130 (128)	30 (20)
Anthracene	2100	0	2300	ug/Kg	110		10		70 (62)	130 (124)	30 (20)
Carbazole	2100	0	2100	ug/Kg	100		11		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2100	0	2300	ug/Kg	110		10		70 (69)	130 (118)	30 (20)
Fluoranthene	2100	0	1900	ug/Kg	90		11		70 (44)	130 (125)	30 (20)
Pyrene	2100	0	1800	ug/Kg	86		6		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	2100	0	2300	ug/Kg	110		10		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	2100	0	1700	ug/Kg	81		6		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	2100	0	2200	ug/Kg	105		5		70 (71)	130 (114)	30 (20)
Chrysene	2100	0	2100	ug/Kg	100		5		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2100	0	2700	ug/Kg	129		8		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	2100	0	2900	ug/Kg	138	*	11		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	2100	0	2100	ug/Kg	100		5		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	2100	0	1900	ug/Kg	90		5		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2100	0	2300	ug/Kg	110		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2100	0	2900	ug/Kg	138	*	37	*	70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2100	0	2900	ug/Kg	138	*	37	*	70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2100	0	2500	ug/Kg	119		38	*	70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	2100	0	2200	ug/Kg	105		10		70 (69)	130 (124)	30 (20)
1,4-Dioxane	2100	0	1600	ug/Kg	76		6		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2100	0	2300	ug/Kg	110		10		70 (69)	130 (112)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF139963.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164286BS	Benzaldehyde	1700	450	ug/Kg	26				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	1500	ug/Kg	88				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	1500	ug/Kg	88				20 (72)	160 (108)	
	Nitrobenzene	1700	1400	ug/Kg	82				70 (57)	130 (101)	
	Isophorone	1700	1500	ug/Kg	88				70 (59)	130 (99)	
	2-Nitrophenol	1700	1700	ug/Kg	100				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				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	1100	ug/Kg	65		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				70 (53)	130 (98)	
	Caprolactam	1700	1500	ug/Kg	88				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	5300	ug/Kg	161		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				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	1600	ug/Kg	94				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	1600	ug/Kg	94				70 (61)	130 (104)	
	3-Nitroaniline	1700	1200	ug/Kg	71				70 (28)	130 (100)	
	Acenaphthene	1700	1600	ug/Kg	94				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3800	ug/Kg	115				20 (37)	160 (128)	
	4-Nitrophenol	3300	3200	ug/Kg	97				20 (48)	160 (119)	
	Dibenzofuran	1700	1400	ug/Kg	82				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				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	1600	ug/Kg	94				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	2000	ug/Kg	118				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				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.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF139963.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164286BS	Hexachlorobenzene	1700	1500	ug/Kg	88				70 (64)	130 (98)	
	Atrazine	1700	1700	ug/Kg	100				70 (47)	130 (152)	
	Pentachlorophenol	3300	3000	ug/Kg	91				20 (67)	160 (105)	
	Phenanthrene	1700	1400	ug/Kg	82				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	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (60)	130 (102)	
	Chrysene	1700	1500	ug/Kg	88				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				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	1600	ug/Kg	94				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				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	1600	ug/Kg	94				70 (59)	130 (108)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BM048233.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164369BSD	Benzaldehyde	50	14.2	ug/L	28	4			20 (10)	160 (162)	20 (20)
	Phenol	50	49.6	ug/L	99	4			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	48.8	ug/L	98	1			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	50.0	ug/L	100	3			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	48.8	ug/L	98	5			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	49.4	ug/L	99	0			70 (65)	130 (100)	20 (20)
	Acetophenone	50	47.9	ug/L	96	1			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	47.4	ug/L	95	5			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	44.8	ug/L	90	2			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	46.1	ug/L	92	2			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	46.8	ug/L	94	2			70 (58)	130 (106)	20 (20)
	Isophorone	50	47.3	ug/L	95	1			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	50.6	ug/L	101	3			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	60.9	ug/L	122	2			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	48.6	ug/L	97	1			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	50.0	ug/L	100	2			70 (66)	130 (115)	20 (20)
	Naphthalene	50	46.7	ug/L	93	1			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	20.7	ug/L	41	4	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	46.5	ug/L	93	2			70 (69)	130 (101)	20 (20)
	Caprolactam	50	41.5	ug/L	83	5			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	45.9	ug/L	92	4			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	46.5	ug/L	93	1			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	210	ug/L	210	0	*		20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	51.8	ug/L	104	1			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	49.7	ug/L	99	1			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	49.3	ug/L	99	2			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	48.5	ug/L	97	2			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	50.2	ug/L	100	1			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	47.4	ug/L	95	0			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	51.7	ug/L	103	1			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	46.0	ug/L	92	1			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	29.2	ug/L	58	2	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	48.8	ug/L	98	2			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	96.2	ug/L	96	3			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	96.1	ug/L	96	1			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	47.5	ug/L	95	2			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	46.6	ug/L	93	2			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	46.1	ug/L	92	2			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	46.7	ug/L	93	1			70 (61)	130 (104)	20 (20)
	Fluorene	50	45.8	ug/L	92	3			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	45.4	ug/L	91	1			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	52.3	ug/L	105	4			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	52.9	ug/L	106	0			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	50.7	ug/L	101	1			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BM048233.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164369BSD	Hexachlorobenzene	50	49.4	ug/L	99	0			70 (73)	130 (106)	20 (20)
	Atrazine	50	64.2	ug/L	128	1			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	97.2	ug/L	97	1			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	50.2	ug/L	100	1			70 (62)	130 (109)	20 (20)
	Anthracene	50	52.6	ug/L	105	2			70 (65)	130 (110)	20 (20)
	Carbazole	50	47.5	ug/L	95	3			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	48.6	ug/L	97	1			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	44.3	ug/L	89	5			70 (64)	130 (110)	20 (20)
	Pyrene	50	54.5	ug/L	109	8			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	52.8	ug/L	106	6			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	34.7	ug/L	69	7	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	50.9	ug/L	102	1			70 (62)	130 (107)	20 (20)
	Chrysene	50	50.1	ug/L	100	0			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	51.9	ug/L	104	3			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	49.5	ug/L	99	0			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	51.5	ug/L	103	4			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	52.7	ug/L	105	2			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	55.5	ug/L	111	1			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	54.1	ug/L	108	3			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	53.6	ug/L	107	3			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	48.9	ug/L	98	3			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	50.6	ug/L	101	3			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	40.0	ug/L	80	8			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	48.3	ug/L	97	0			70 (63)	130 (116)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BM048237.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164369BS	Benzaldehyde	50	13.7	ug/L	27				20 (10)	160 (162)	
	Phenol	50	47.8	ug/L	96				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	48.2	ug/L	96				70 (62)	130 (103)	
	2-Chlorophenol	50	48.4	ug/L	97				70 (70)	130 (117)	
	2-Methylphenol	50	46.5	ug/L	93				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	49.2	ug/L	98				70 (65)	130 (100)	
	Acetophenone	50	48.5	ug/L	97				70 (60)	130 (104)	
	3+4-Methylphenols	50	45.0	ug/L	90				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	43.9	ug/L	88				70 (57)	130 (107)	
	Hexachloroethane	50	46.9	ug/L	94				20 (76)	160 (118)	
	Nitrobenzene	50	47.7	ug/L	95				70 (58)	130 (106)	
	Isophorone	50	47.0	ug/L	94				70 (61)	130 (102)	
	2-Nitrophenol	50	49.3	ug/L	99				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	59.6	ug/L	119				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	48.0	ug/L	96				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	48.9	ug/L	98				70 (66)	130 (115)	
	Naphthalene	50	47.0	ug/L	94				70 (64)	130 (107)	
	4-Chloroaniline	50	19.8	ug/L	40		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	47.6	ug/L	95				70 (69)	130 (101)	
	Caprolactam	50	39.4	ug/L	79				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	44.2	ug/L	88				70 (65)	130 (114)	
	2-Methylnaphthalene	50	46.0	ug/L	92				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	210	ug/L	210		*		20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	51.3	ug/L	103				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	49.0	ug/L	98				70 (70)	130 (106)	
	1,1-Biphenyl	50	50.5	ug/L	101				70 (72)	130 (98)	
	2-Chloronaphthalene	50	49.5	ug/L	99				70 (59)	130 (106)	
	2-Nitroaniline	50	49.8	ug/L	100				70 (73)	130 (114)	
	Dimethylphthalate	50	47.2	ug/L	94				70 (64)	130 (103)	
	Acenaphthylene	50	52.3	ug/L	105				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	45.4	ug/L	91				70 (64)	130 (110)	
	3-Nitroaniline	50	29.9	ug/L	60		*		70 (28)	130 (100)	
	Acenaphthene	50	49.6	ug/L	99				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	93.4	ug/L	93				20 (36)	160 (166)	
	4-Nitrophenol	100	94.8	ug/L	95				20 (45)	160 (147)	
	Dibenzofuran	50	48.6	ug/L	97				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	45.7	ug/L	91				70 (60)	130 (115)	
	Diethylphthalate	50	45.3	ug/L	91				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	47.1	ug/L	94				70 (61)	130 (104)	
	Fluorene	50	47.0	ug/L	94				70 (64)	130 (107)	
	4-Nitroaniline	50	44.9	ug/L	90				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	50.1	ug/L	100				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	53.1	ug/L	106				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	51.4	ug/L	103				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BM048237.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164369BS	Hexachlorobenzene	50	49.6	ug/L	99				70 (73)	130 (106)	
	Atrazine	50	63.7	ug/L	127				70 (76)	130 (120)	
	Pentachlorophenol	100	97.9	ug/L	98				20 (47)	160 (114)	
	Phenanthrene	50	50.8	ug/L	102				70 (62)	130 (109)	
	Anthracene	50	53.8	ug/L	108				70 (65)	130 (110)	
	Carbazole	50	48.9	ug/L	98				70 (62)	130 (106)	
	Di-n-butylphthalate	50	48.2	ug/L	96				70 (64)	130 (106)	
	Fluoranthene	50	46.4	ug/L	93				70 (64)	130 (110)	
	Pyrene	50	50.4	ug/L	101				70 (71)	130 (103)	
	Butylbenzylphthalate	50	49.5	ug/L	99				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	37.3	ug/L	75				70 (43)	130 (108)	
	Benzo(a)anthracene	50	50.3	ug/L	101				70 (62)	130 (107)	
	Chrysene	50	50.0	ug/L	100				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	50.4	ug/L	101				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	49.5	ug/L	99				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	49.4	ug/L	99				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	51.8	ug/L	104				70 (77)	130 (105)	
	Benzo(a)pyrene	50	55.0	ug/L	110				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	55.7	ug/L	111				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	55.4	ug/L	111				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	50.5	ug/L	101				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	52.0	ug/L	104				70 (72)	130 (101)	
	1,4-Dioxane	50	43.3	ug/L	87				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	48.3	ug/L	97				70 (63)	130 (116)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164286BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF139962.D Lab Sample ID: PB164286BL

Instrument ID: BNA_F Date Extracted: 10/21/2024

Matrix: (soil/water) SOIL Date Analyzed: 10/23/2024

Level: (low/med) LOW Time Analyzed: 14:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164286BS	PB164286BS	BF139963.D	10/23/2024
WB-303-BOTMS	P4460-03MS	BF140006.D	10/24/2024
WB-303-BOTMSD	P4460-03MSD	BF140007.D	10/24/2024
WB-303-BOT	P4460-03	BF140063.D	10/26/2024
WB-303-TOP	P4460-02	BF140068.D	10/26/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164369BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: BM048212.D Lab Sample ID: PB164369BL

Instrument ID: BNA_M Date Extracted: 10/23/2024

Matrix: (soil/water) Water Date Analyzed: 10/24/2024

Level: (low/med) LOW Time Analyzed: 11:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164369BSD	PB164369BSD	BM048233.D	10/25/2024
PB164369BS	PB164369BS	BM048237.D	10/25/2024
WB-303-SW	P4460-06	BM048238.D	10/25/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF139843.D DFTPP Injection Date: 10/18/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	46.9
197	Less than 2.0% of mass 198	0.8
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	26.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.9 (19.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF139844.D	10/18/2024	10:27
SSTDICC005	SSTDICC005	BF139845.D	10/18/2024	10:55
SSTDICC010	SSTDICC010	BF139846.D	10/18/2024	11:23
SSTDICC020	SSTDICC020	BF139847.D	10/18/2024	11:52
SSTDICCC040	SSTDICCC040	BF139848.D	10/18/2024	12:20
SSTDICC050	SSTDICC050	BF139849.D	10/18/2024	12:49
SSTDICC060	SSTDICC060	BF139850.D	10/18/2024	13:17
SSTDICC080	SSTDICC080	BF139851.D	10/18/2024	13:46

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF139951.D DFTPP Injection Date: 10/23/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.8
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.2
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	38.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.1
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	19.9 (19.9) 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	BF139952.D	10/23/2024	09:20
PB164286BL	PB164286BL	BF139962.D	10/23/2024	14:04
PB164286BS	PB164286BS	BF139963.D	10/23/2024	14:33

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF140000.D DFTPP Injection Date: 10/24/2024

Instrument ID: BNA_F DFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	35.2
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.2
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	26.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140001.D	10/24/2024	15:16
WB-303-BOTMS	P4460-03MS	BF140006.D	10/24/2024	17:45
WB-303-BOTMSD	P4460-03MSD	BF140007.D	10/24/2024	18:14

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF140049.D DFTPP Injection Date: 10/26/2024

Instrument ID: BNA_F DFTPP Injection Time: 10:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.1
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	47.5
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	6.5
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	14.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.1 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140050.D	10/26/2024	10:38
WB-303-BOT	P4460-03	BF140063.D	10/26/2024	16:48
WB-303-TOP	P4460-02	BF140068.D	10/26/2024	19:09

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BM048199.D DFTPP Injection Date: 10/23/2024

Instrument ID: BNA_M DFTPP Injection Time: 11:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	34.2
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.4
197	Less than 2.0% of mass 198	0.5
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	25.2
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	15.8 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM048200.D	10/23/2024	12:26
SSTDICC005	SSTDICC005	BM048201.D	10/23/2024	13:05
SSTDICC010	SSTDICC010	BM048202.D	10/23/2024	13:45
SSTDICC020	SSTDICC020	BM048203.D	10/23/2024	14:24
SSTDICCC040	SSTDICCC040	BM048204.D	10/23/2024	15:04
SSTDICC050	SSTDICC050	BM048205.D	10/23/2024	15:43
SSTDICC060	SSTDICC060	BM048206.D	10/23/2024	16:23
SSTDICC080	SSTDICC080	BM048207.D	10/23/2024	17:02

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BM048210.D DFTPP Injection Date: 10/24/2024

Instrument ID: BNA_M DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	33
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43.5
197	Less than 2.0% of mass 198	0.5
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	25.6
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.1 (19.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM048211.D	10/24/2024	11:11
PB164369BL	PB164369BL	BM048212.D	10/24/2024	11:50

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BM048227.D DFTPP Injection Date: 10/25/2024

Instrument ID: BNA_M DFTPP Injection Time: 08:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.1
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.7
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.3 (19.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM048228.D	10/25/2024	08:49
PB164369BSD	PB164369BSD	BM048233.D	10/25/2024	12:58
PB164369BS	PB164369BS	BM048237.D	10/25/2024	15:42
WB-303-SW	P4460-06	BM048238.D	10/25/2024	16:21

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139952.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	156634	6.893	590130	8.18	329153	9.93
	UPPER LIMIT	313268	7.393	1180260	8.675	658306	10.428
	LOWER LIMIT	78317	6.393	295065	7.675	164577	9.428
	EPA SAMPLE NO.						
01	PB164286BL	146341	6.89	564292	8.17	320476	9.93
02	PB164286BS	158593	6.89	620873	8.18	350222	9.93

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139952.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	576587	11.416	299183	14.057	329130	15.533
	UPPER LIMIT	1153170	11.916	598366	14.557	658260	16.033
	LOWER LIMIT	288294	10.916	149592	13.557	164565	15.033
	EPA SAMPLE NO.						
01	PB164286BL	596529	11.41	356991	14.05	312503	15.53
02	PB164286BS	635882	11.42	319612	14.06	347575	15.53

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	162461	6.892	593909	8.18	325446	9.93
	UPPER LIMIT	324922	7.392	1187820	8.675	650892	10.428
	LOWER LIMIT	81230.5	6.392	296955	7.675	162723	9.428
	EPA SAMPLE NO.						
01	WB-303-BOTMS	132812	6.89	485291	8.18	253613	9.93
02	WB-303-BOTMSD	114465	6.89	337350	8.18	176753	9.93

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	551060	11.416	264546	14.051	308388	15.533
	UPPER LIMIT	1102120	11.916	529092	14.551	616776	16.033
	LOWER LIMIT	275530	10.916	132273	13.551	154194	15.033
	EPA SAMPLE NO.						
01	WB-303-BOTMS	408327	11.42	231840	14.05	316800	15.53
02	WB-303-BOTMSD	285247	11.42	164779	14.05	222740	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

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* 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.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/26/2024

Lab File ID: BF140050.D Time Analyzed: 10:38

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	128827	6.892	465620	8.18	252523	9.93
	UPPER LIMIT	257654	7.392	931240	8.675	505046	10.428
	LOWER LIMIT	64413.5	6.392	232810	7.675	126262	9.428
	EPA SAMPLE NO.						
01	WB-303-TOP	142022	6.89	554829	8.17	315069	9.92
02	WB-303-BOT	129197	6.89	476862	8.17	260201	9.93

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/26/2024

Lab File ID: BF140050.D Time Analyzed: 10:38

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	452033	11.416	241717	14.051	235878	15.533
	UPPER LIMIT	904066	11.916	483434	14.551	471756	16.033
	LOWER LIMIT	226017	10.916	120859	13.551	117939	15.033
	EPA SAMPLE NO.						
01	WB-303-TOP	502958	11.41	252281	14.05	282696	15.53
02	WB-303-BOT	444743	11.41	217594	14.05	237376	15.53

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BM048211.D Time Analyzed: 11:11

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	180168	7.722	716977	10.51	442164	14.37
	UPPER LIMIT	360336	8.222	1433950	11.01	884328	14.868
	LOWER LIMIT	90084	7.222	358489	10.01	221082	13.868
	EPA SAMPLE NO.						
01	PB164369BL	201808	7.72	755271	10.51	451085	14.37

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

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* 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.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BM048211.D Time Analyzed: 11:11

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	865184	17.109	785707	21.339	904102	24.285
	UPPER LIMIT	1730370	17.609	1571410	21.839	1808200	24.785
	LOWER LIMIT	432592	16.609	392854	20.839	452051	23.785
	EPA SAMPLE NO.						
01	PB164369BL	855662	17.11	674681	21.33	711330	24.29

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.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/25/2024

Lab File ID: BM048228.D Time Analyzed: 08:49

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	198668	7.716	777876	10.51	472094	14.36
	UPPER LIMIT	397336	8.216	1555750	11.01	944188	14.863
	LOWER LIMIT	99334	7.216	388938	10.01	236047	13.863
	EPA SAMPLE NO.						
01	WB-303-SW	214014	7.72	870137	10.51	580161	14.36
02	PB164369BSD	239298	7.72	913341	10.50	513456	14.36
03	PB164369BS	198559	7.72	731104	10.51	398895	14.36

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

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* 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.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/25/2024

Lab File ID: BM048228.D Time Analyzed: 08:49

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	925065	17.104	823670	21.333	921417	24.28
	UPPER LIMIT	1850130	17.604	1647340	21.833	1842830	24.78
	LOWER LIMIT	462533	16.604	411835	20.833	460709	23.78
	EPA SAMPLE NO.						
01	WB-303-SW	1247450	17.10	1150080	21.33	1229810	24.28
02	PB164369BSD	916015	17.10	699111	21.33	737917	24.28
03	PB164369BS	712540	17.10	616038	21.33	708876	24.28

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

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

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

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164286BL	SDG No.:	P4460
Lab Sample ID:	PB164286BL	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
BF139962.D	1	10/21/24 09:28	10/23/24 14:04	PB164286

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164286BL	SDG No.:	P4460
Lab Sample ID:	PB164286BL	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
BF139962.D	1	10/21/24 09:28	10/23/24 14:04	PB164286

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164286BL	SDG No.:	P4460
Lab Sample ID:	PB164286BL	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
BF139962.D	1	10/21/24 09:28	10/23/24 14:04	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	134		30 (18) - 130 (112)	90%	SPK: 150
13127-88-3	Phenol-d6	131		30 (15) - 130 (107)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.4		30 (18) - 130 (107)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.7		30 (20) - 130 (109)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	156		30 (10) - 130 (116)	104%	SPK: 150
1718-51-0	Terphenyl-d14	98.4		30 (10) - 130 (105)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.887			
1146-65-2	Naphthalene-d8	564000	8.169			
15067-26-2	Acenaphthene-d10	320000	9.928			
1517-22-2	Phenanthrene-d10	597000	11.41			
1719-03-5	Chrysene-d12	357000	14.051			
1520-96-3	Perylene-d12	313000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	130	J		2.25	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	A		5.13	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164286BL	SDG No.:	P4460
Lab Sample ID:	PB164286BL	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
BF139962.D	1	10/21/24 09:28	10/23/24 14:04	PB164286

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

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BL	SDG No.:	P4460
Lab Sample ID:	PB164369BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048212.D	1	10/23/24 09:50	10/24/24 11:50	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	U	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BL	SDG No.:	P4460
Lab Sample ID:	PB164369BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048212.D	1	10/23/24 09:50	10/24/24 11:50	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BL	SDG No.:	P4460
Lab Sample ID:	PB164369BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048212.D	1	10/23/24 09:50	10/24/24 11:50	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	151		15 (10) - 110 (139)	101%	SPK: 150
13127-88-3	Phenol-d6	138		15 (10) - 110 (134)	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.1		30 (49) - 130 (133)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.8		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	105		30 (48) - 130 (125)	105%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	202000	7.722			
1146-65-2	Naphthalene-d8	755000	10.51			
15067-26-2	Acenaphthene-d10	451000	14.368			
1517-22-2	Phenanthrene-d10	856000	17.109			
1719-03-5	Chrysene-d12	675000	21.333			
1520-96-3	Perylene-d12	711000	24.291			

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164286BS	SDG No.:	P4460
Lab Sample ID:	PB164286BS	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
BF139963.D	1	10/21/24 09:28	10/23/24 14:33	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	450		180	330	ug/Kg
108-95-2	Phenol	1400		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1500		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.9	170	ug/Kg
98-86-2	Acetophenone	1400		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1500		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	170	ug/Kg
78-59-1	Isophorone	1500		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1700		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.5	170	ug/Kg
91-20-3	Naphthalene	1400		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	1100		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.3	170	ug/Kg
105-60-2	Caprolactam	1500		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5300	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.7	170	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164286BS	SDG No.:	P4460
Lab Sample ID:	PB164286BS	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
BF139963.D	1	10/21/24 09:28	10/23/24 14:33	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	1200		89.2	170	ug/Kg
83-32-9	Acenaphthene	1600		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1500		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.6	170	ug/Kg
86-73-7	Fluorene	1400		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		85.0	170	ug/Kg
1912-24-9	Atrazine	1700		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	3000	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1400		84.0	170	ug/Kg
120-12-7	Anthracene	1500		84.4	170	ug/Kg
86-74-8	Carbazole	1400		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.3	170	ug/Kg
206-44-0	Fluoranthene	1400		81.7	170	ug/Kg
129-00-0	Pyrene	1500		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.7	170	ug/Kg
218-01-9	Chrysene	1500		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81.1	170	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164286BS	SDG No.:	P4460
Lab Sample ID:	PB164286BS	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
BF139963.D	1	10/21/24 09:28	10/23/24 14:33	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	123		30 (18) - 130 (112)	82%	SPK: 150
13127-88-3	Phenol-d6	120		30 (15) - 130 (107)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.8		30 (18) - 130 (107)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.5		30 (20) - 130 (109)	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		30 (10) - 130 (116)	98%	SPK: 150
1718-51-0	Terphenyl-d14	95.7		30 (10) - 130 (105)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	159000	6.893			
1146-65-2	Naphthalene-d8	621000	8.175			
15067-26-2	Acenaphthene-d10	350000	9.928			
1517-22-2	Phenanthrene-d10	636000	11.416			
1719-03-5	Chrysene-d12	320000	14.057			
1520-96-3	Perylene-d12	348000	15.533			

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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BS	SDG No.:	P4460
Lab Sample ID:	PB164369BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048237.D	1	10/23/24 09:50	10/25/24 15:42	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	13.7		4.00	10.0	ug/L
108-95-2	Phenol	47.8		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	48.2		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	48.4		0.71	5.00	ug/L
95-48-7	2-Methylphenol	46.5		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	49.2		1.40	5.00	ug/L
98-86-2	Acetophenone	48.5		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	45.0		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	43.9		1.50	2.50	ug/L
67-72-1	Hexachloroethane	46.9		1.00	5.00	ug/L
98-95-3	Nitrobenzene	47.7		1.30	5.00	ug/L
78-59-1	Isophorone	47.0		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	49.3		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	59.6		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	48.0		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	48.9		0.88	5.00	ug/L
91-20-3	Naphthalene	47.0		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.8		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	47.6		1.30	5.00	ug/L
105-60-2	Caprolactam	39.4		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	44.2		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	46.0		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	210	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	51.3		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	49.0		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	50.5		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	49.5		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	49.8		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	47.2		0.93	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BS	SDG No.:	P4460
Lab Sample ID:	PB164369BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048237.D	1	10/23/24 09:50	10/25/24 15:42	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	52.3		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.4		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	29.9		1.40	5.00	ug/L
83-32-9	Acenaphthene	49.6		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	93.4	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	94.8	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	48.6		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.7		1.50	5.00	ug/L
84-66-2	Diethylphthalate	45.3		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	47.1		0.98	5.00	ug/L
86-73-7	Fluorene	47.0		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	44.9		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	50.1		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	53.1		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	51.4		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	49.6		1.10	5.00	ug/L
1912-24-9	Atrazine	63.7		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	97.9	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	50.8		0.89	5.00	ug/L
120-12-7	Anthracene	53.8		1.10	5.00	ug/L
86-74-8	Carbazole	48.9		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.2		1.50	5.00	ug/L
206-44-0	Fluoranthene	46.4		1.30	5.00	ug/L
129-00-0	Pyrene	50.4		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	49.5		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	37.3		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	50.3		0.94	5.00	ug/L
218-01-9	Chrysene	50.0		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.4		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.5		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	49.4		1.10	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BS	SDG No.:	P4460
Lab Sample ID:	PB164369BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048237.D	1	10/23/24 09:50	10/25/24 15:42	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	51.8		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	55.0		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55.7		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.4		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	50.5		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	52.0		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	43.3		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.3		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	144		15 (10) - 110 (139)	96%	SPK: 150
13127-88-3	Phenol-d6	131		15 (10) - 110 (134)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.5		30 (49) - 130 (133)	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.0		30 (52) - 130 (132)	99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		15 (44) - 110 (137)	89%	SPK: 150
1718-51-0	Terphenyl-d14	103		30 (48) - 130 (125)	103%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	199000	7.716			
1146-65-2	Naphthalene-d8	731000	10.51			
15067-26-2	Acenaphthene-d10	399000	14.363			
1517-22-2	Phenanthrene-d10	713000	17.104			
1719-03-5	Chrysene-d12	616000	21.333			
1520-96-3	Perylene-d12	709000	24.28			

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BSD	SDG No.:	P4460
Lab Sample ID:	PB164369BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048233.D	1	10/23/24 09:50	10/25/24 12:58	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	14.2		4.00	10.0	ug/L
108-95-2	Phenol	49.6		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	48.8		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	50.0		0.71	5.00	ug/L
95-48-7	2-Methylphenol	48.8		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	49.4		1.40	5.00	ug/L
98-86-2	Acetophenone	47.9		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.4		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.8		1.50	2.50	ug/L
67-72-1	Hexachloroethane	46.1		1.00	5.00	ug/L
98-95-3	Nitrobenzene	46.8		1.30	5.00	ug/L
78-59-1	Isophorone	47.3		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	50.6		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	60.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	48.6		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	50.0		0.88	5.00	ug/L
91-20-3	Naphthalene	46.7		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	20.7		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	46.5		1.30	5.00	ug/L
105-60-2	Caprolactam	41.5		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	45.9		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	46.5		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	210	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	51.8		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	49.7		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	49.3		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	48.5		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	50.2		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	47.4		0.93	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BSD	SDG No.:	P4460
Lab Sample ID:	PB164369BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048233.D	1	10/23/24 09:50	10/25/24 12:58	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	51.7		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.0		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	29.2		1.40	5.00	ug/L
83-32-9	Acenaphthene	48.8		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	96.2	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	96.1	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	47.5		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	46.6		1.50	5.00	ug/L
84-66-2	Diethylphthalate	46.1		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.7		0.98	5.00	ug/L
86-73-7	Fluorene	45.8		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	45.4		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	52.3		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	52.9		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	50.7		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	49.4		1.10	5.00	ug/L
1912-24-9	Atrazine	64.2		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	97.2	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	50.2		0.89	5.00	ug/L
120-12-7	Anthracene	52.6		1.10	5.00	ug/L
86-74-8	Carbazole	47.5		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.6		1.50	5.00	ug/L
206-44-0	Fluoranthene	44.3		1.30	5.00	ug/L
129-00-0	Pyrene	54.5		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	52.8		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	34.7		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	50.9		0.94	5.00	ug/L
218-01-9	Chrysene	50.1		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	51.9		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.5		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	51.5		1.10	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164369BSD	SDG No.:	P4460
Lab Sample ID:	PB164369BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048233.D	1	10/23/24 09:50	10/25/24 12:58	PB164369

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	52.7		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	55.5		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	54.1		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	53.6		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	48.9		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	50.6		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	40.0		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.3		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	146		15 (10) - 110 (139)	97%	SPK: 150
13127-88-3	Phenol-d6	135		15 (10) - 110 (134)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.8		30 (49) - 130 (133)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.5		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	110		30 (48) - 130 (125)	110%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	239000	7.716			
1146-65-2	Naphthalene-d8	913000	10.504			
15067-26-2	Acenaphthene-d10	513000	14.363			
1517-22-2	Phenanthrene-d10	916000	17.104			
1719-03-5	Chrysene-d12	699000	21.333			
1520-96-3	Perylene-d12	738000	24.28			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4460-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140006.D	1	10/21/24 09:28	10/24/24 17:45	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	600		230	410	ug/Kg
108-95-2	Phenol	1900		100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		100	210	ug/Kg
95-57-8	2-Chlorophenol	2000		100	210	ug/Kg
95-48-7	2-Methylphenol	1900		100	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		110	210	ug/Kg
98-86-2	Acetophenone	2000		110	210	ug/Kg
65794-96-9	3+4-Methylphenols	1900		99.5	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		50.2	99.7	ug/Kg
67-72-1	Hexachloroethane	2100		100	210	ug/Kg
98-95-3	Nitrobenzene	1900		110	210	ug/Kg
78-59-1	Isophorone	2000		110	210	ug/Kg
88-75-5	2-Nitrophenol	2400		120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		120	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		94.1	210	ug/Kg
91-20-3	Naphthalene	2100		100	210	ug/Kg
106-47-8	4-Chloroaniline	720		100	210	ug/Kg
87-68-3	Hexachlorobutadiene	2000		100	210	ug/Kg
105-60-2	Caprolactam	2700		110	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		96.6	210	ug/Kg
91-57-6	2-Methylnaphthalene	2000		100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6900	E	190	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2100		89.0	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		92.3	210	ug/Kg
92-52-4	1,1-Biphenyl	2000		110	210	ug/Kg
91-58-7	2-Chloronaphthalene	1900		100	210	ug/Kg
88-74-4	2-Nitroaniline	2200		120	210	ug/Kg
131-11-3	Dimethylphthalate	2000		100	210	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4460-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140006.D	1	10/21/24 09:28	10/24/24 17:45	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2100		110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		100	210	ug/Kg
99-09-2	3-Nitroaniline	1500		110	210	ug/Kg
83-32-9	Acenaphthene	2300		100	210	ug/Kg
51-28-5	2,4-Dinitrophenol	5200	E	300	410	ug/Kg
100-02-7	4-Nitrophenol	4100	E	140	410	ug/Kg
132-64-9	Dibenzofuran	2000		110	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	2300		110	210	ug/Kg
84-66-2	Diethylphthalate	2000		99.9	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		110	210	ug/Kg
86-73-7	Fluorene	2000		110	210	ug/Kg
100-01-6	4-Nitroaniline	2000		130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3100		150	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2200		100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2200		98.4	210	ug/Kg
118-74-1	Hexachlorobenzene	2100		110	210	ug/Kg
1912-24-9	Atrazine	2600		110	210	ug/Kg
87-86-5	Pentachlorophenol	4100	E	96.4	410	ug/Kg
85-01-8	Phenanthrene	2000		100	210	ug/Kg
120-12-7	Anthracene	2100		110	210	ug/Kg
86-74-8	Carbazole	1900		100	210	ug/Kg
84-74-2	Di-n-butylphthalate	2100		110	210	ug/Kg
206-44-0	Fluoranthene	1700		100	210	ug/Kg
129-00-0	Pyrene	1700		100	210	ug/Kg
85-68-7	Butylbenzylphthalate	2100		120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		120	410	ug/Kg
56-55-3	Benzo(a)anthracene	2100		100	210	ug/Kg
218-01-9	Chrysene	2000		99.1	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2500		110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2600		140	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		100	210	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4460-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140006.D	1	10/21/24 09:28	10/24/24 17:45	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	2200		120	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		97.4	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000		100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		99.9	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		110	210	ug/Kg
123-91-1	1,4-Dioxane	1700		140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2100		93.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	119		30 (18) - 130 (112)	79%	SPK: 150
13127-88-3	Phenol-d6	119		30 (15) - 130 (107)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.8		30 (18) - 130 (107)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.6		30 (20) - 130 (109)	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		30 (10) - 130 (116)	94%	SPK: 150
1718-51-0	Terphenyl-d14	77.7		30 (10) - 130 (105)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	133000	6.892			
1146-65-2	Naphthalene-d8	485000	8.175			
15067-26-2	Acenaphthene-d10	254000	9.928			
1517-22-2	Phenanthrene-d10	408000	11.416			
1719-03-5	Chrysene-d12	232000	14.051			
1520-96-3	Perylene-d12	317000	15.533			

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
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOTMSD	SDG No.:	P4460
Lab Sample ID:	P4460-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140007.D	1	10/21/24 09:28	10/24/24 18:14	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	720		230	410	ug/Kg
108-95-2	Phenol	2300		100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2300		100	210	ug/Kg
95-57-8	2-Chlorophenol	2400		100	210	ug/Kg
95-48-7	2-Methylphenol	1700		100	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		110	210	ug/Kg
98-86-2	Acetophenone	2200		110	210	ug/Kg
65794-96-9	3+4-Methylphenols	1600		99.5	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		50.2	99.7	ug/Kg
67-72-1	Hexachloroethane	2000		100	210	ug/Kg
98-95-3	Nitrobenzene	2100		110	210	ug/Kg
78-59-1	Isophorone	2200		110	210	ug/Kg
88-75-5	2-Nitrophenol	2600		120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	2400		120	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2000		110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		94.1	210	ug/Kg
91-20-3	Naphthalene	2200		100	210	ug/Kg
106-47-8	4-Chloroaniline	760		100	210	ug/Kg
87-68-3	Hexachlorobutadiene	2200		100	210	ug/Kg
105-60-2	Caprolactam	2800		110	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2100		96.6	210	ug/Kg
91-57-6	2-Methylnaphthalene	2100		100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	7500	E	190	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		89.0	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2100		92.2	210	ug/Kg
92-52-4	1,1-Biphenyl	2100		110	210	ug/Kg
91-58-7	2-Chloronaphthalene	2100		100	210	ug/Kg
88-74-4	2-Nitroaniline	2400		120	210	ug/Kg
131-11-3	Dimethylphthalate	2100		100	210	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOTMSD	SDG No.:	P4460
Lab Sample ID:	P4460-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140007.D	1	10/21/24 09:28	10/24/24 18:14	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2300		110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	2200		100	210	ug/Kg
99-09-2	3-Nitroaniline	1500		110	210	ug/Kg
83-32-9	Acenaphthene	2400		100	210	ug/Kg
51-28-5	2,4-Dinitrophenol	5500	E	300	410	ug/Kg
100-02-7	4-Nitrophenol	4400	E	140	410	ug/Kg
132-64-9	Dibenzofuran	2200		110	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	2400		110	210	ug/Kg
84-66-2	Diethylphthalate	2200		99.8	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2200		110	210	ug/Kg
86-73-7	Fluorene	2100		110	210	ug/Kg
100-01-6	4-Nitroaniline	2100		130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3300		150	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2300		100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2300		98.3	210	ug/Kg
118-74-1	Hexachlorobenzene	2300		110	210	ug/Kg
1912-24-9	Atrazine	2800		110	210	ug/Kg
87-86-5	Pentachlorophenol	4400	E	96.3	410	ug/Kg
85-01-8	Phenanthrene	2200		100	210	ug/Kg
120-12-7	Anthracene	2300		110	210	ug/Kg
86-74-8	Carbazole	2100		100	210	ug/Kg
84-74-2	Di-n-butylphthalate	2300		110	210	ug/Kg
206-44-0	Fluoranthene	1900		100	210	ug/Kg
129-00-0	Pyrene	1800		100	210	ug/Kg
85-68-7	Butylbenzylphthalate	2300		120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1700		120	410	ug/Kg
56-55-3	Benzo(a)anthracene	2200		100	210	ug/Kg
218-01-9	Chrysene	2100		99.1	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2700		110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2900		140	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		100	210	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOTMSD	SDG No.:	P4460
Lab Sample ID:	P4460-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.1
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
BF140007.D	1	10/21/24 09:28	10/24/24 18:14	PB164286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1900		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	2300		120	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2900		97.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2900		100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2500		99.8	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2200		110	210	ug/Kg
123-91-1	1,4-Dioxane	1600		140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2300		93.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	113		30 (18) - 130 (112)	75%	SPK: 150
13127-88-3	Phenol-d6	140		30 (15) - 130 (107)	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		30 (18) - 130 (107)	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.3		30 (20) - 130 (109)	98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		30 (10) - 130 (116)	100%	SPK: 150
1718-51-0	Terphenyl-d14	81.9		30 (10) - 130 (105)	82%	SPK: 100

INTERNAL STANDARDS			
3855-82-1	1,4-Dichlorobenzene-d4	114000	6.893
1146-65-2	Naphthalene-d8	337000	8.175
15067-26-2	Acenaphthene-d10	177000	9.928
1517-22-2	Phenanthrene-d10	285000	11.416
1719-03-5	Chrysene-d12	165000	14.051
1520-96-3	Perylene-d12	223000	15.533

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139844.D 5 =BF139845.D 10 =BF139846.D 20 =BF139847.D 40 =BF139848.D 50 =BF139849.D 60 =BF139850.D 80 =BF1398
51.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.651	0.625	0.603	0.591	0.571	0.581	0.548	0.596	5.74
3)		Pyridine		1.622	1.570	1.522	1.504	1.386	1.406	1.326	1.476	7.26
4)		n-Nitrosodimet...		0.815	0.800	0.799	0.806	0.782	0.794	0.757	0.793	2.39
5)	S	2-Fluorophenol		1.465	1.398	1.331	1.278	1.179	1.186	1.106	1.278	10.10
6)		Aniline		1.673	1.649	1.618	1.582	1.471	1.479	1.324	1.542	8.05
7)	S	Phenol-d6		1.900	1.818	1.709	1.647	1.538	1.539	1.432	1.655	10.06
8)		2-Chlorophenol		1.503	1.422	1.358	1.310	1.212	1.221	1.116	1.306	10.24
9)		Benzaldehyde			1.137	1.042	0.940	0.873	0.853	0.740	0.931	15.22
10)	C	Phenol		1.952	1.832	1.760	1.712	1.583	1.601	1.502	1.706	9.19
11)		bis(2-Chloroet...		1.470	1.423	1.359	1.294	1.251	1.249	1.183	1.319	7.82
12)		1,3-Dichlorobe...		1.718	1.656	1.544	1.499	1.392	1.391	1.294	1.499	10.19
13)	C	1,4-Dichlorobe...		1.723	1.641	1.558	1.487	1.392	1.391	1.291	1.498	10.19
14)		1,2-Dichlorobe...		1.660	1.579	1.478	1.379	1.273	1.267	1.149	1.398	13.15
15)		Benzyl Alcohol		1.355	1.299	1.257	1.213	1.154	1.146	1.071	1.214	8.07
16)		2,2'-oxybis(1-...		2.524	2.409	2.353	2.255	2.117	2.115	1.964	2.248	8.69
17)		2-Methylphenol		1.264	1.164	1.134	1.114	1.053	1.063	1.004	1.114	7.69
18)		Hexachloroethane		0.583	0.571	0.549	0.541	0.507	0.511	0.477	0.534	7.06
19)	P	n-Nitroso-di-n...	1.105	1.141	1.066	1.025	0.974	0.921	0.927	0.869	1.004	9.63
20)		3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.300	1.173	1.424	12.41
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.578	0.533	0.516	0.481	0.452	0.454	0.414	0.490	11.43
23)	S	Nitrobenzene-d5		0.365	0.365	0.372	0.371	0.354	0.357	0.342	0.361	2.92
24)		Nitrobenzene		0.417	0.402	0.408	0.403	0.383	0.388	0.370	0.396	4.10
25)		Isophorone		0.755	0.709	0.702	0.679	0.652	0.660	0.637	0.685	5.90
26)	C	2-Nitrophenol		0.124	0.137	0.150	0.157	0.158	0.161	0.157	0.149	9.22
27)		2,4-Dimethylph...		0.285	0.259	0.256	0.248	0.237	0.234	0.223	0.249	8.07
28)		bis(2-Chloroet...		0.468	0.440	0.432	0.412	0.394	0.390	0.369	0.415	8.22
29)	C	2,4-Dichloroph...		0.308	0.297	0.293	0.283	0.272	0.274	0.257	0.283	6.17
30)		1,2,4-Trichlor...		0.351	0.331	0.325	0.315	0.298	0.298	0.279	0.314	7.68
31)		Naphthalene		1.209	1.121	1.091	1.023	0.958	0.944	0.875	1.031	11.23
32)		Benzoic acid			0.175	0.207	0.220	0.231	0.235	0.235	0.217	10.69
33)		4-Chloroaniline		0.397	0.382	0.368	0.351	0.332	0.326	0.306	0.352	9.26
34)	C	Hexachlorobuta...		0.224	0.206	0.203	0.197	0.185	0.187	0.177	0.197	7.96
35)		Caprolactam		0.092	0.092	0.092	0.092	0.088	0.088	0.086	0.090	2.85
36)	C	4-Chloro-3-met...		0.341	0.328	0.324	0.315	0.299	0.303	0.287	0.314	6.03
37)		2-Methylnaphth...		0.740	0.689	0.666	0.621	0.587	0.583	0.537	0.632	11.11
38)		1-Methylnaphth...		0.726	0.683	0.655	0.612	0.569	0.567	0.526	0.620	11.55

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.609	0.579	0.562	0.537	0.512	0.506	0.472	0.540	8.72
41)	P	Hexachlorocycl...	0.185	0.193	0.198	0.198	0.186	0.185	0.169	0.188	5.28
42)	S	2,4,6-Tribromo...	0.201	0.196	0.193	0.188	0.179	0.180	0.173	0.187	5.47
43)	C	2,4,6-Trichlor...	0.405	0.382	0.400	0.387	0.363	0.383	0.354	0.382	4.80
44)		2,4,5-Trichlor...	0.426	0.425	0.398	0.401	0.381	0.369	0.359	0.394	6.58
45)	S	2-Fluorobiphenyl	1.512	1.396	1.280	1.162	1.088	1.060	0.973	1.210	16.05
46)		1,1'-Biphenyl	1.640	1.536	1.483	1.379	1.285	1.262	1.161	1.392	12.18
47)		2-Chloronaphth...	1.288	1.225	1.164	1.111	1.048	1.040	0.973	1.121	9.95
48)		2-Nitroaniline	0.299	0.318	0.353	0.365	0.354	0.362	0.349	0.343	7.20
49)		Acenaphthylene	1.854	1.756	1.717	1.615	1.507	1.505	1.394	1.621	10.06
50)		Dimethylphthalate	1.410	1.344	1.283	1.237	1.172	1.163	1.110	1.246	8.60
51)		2,6-Dinitrotol...	0.256	0.266	0.278	0.280	0.273	0.274	0.260	0.270	3.41
52)	C	Acenaphthene	1.200	1.136	1.089	1.044	0.977	0.983	0.913	1.049	9.55
53)		3-Nitroaniline	0.270	0.275	0.296	0.292	0.276	0.282	0.256	0.278	4.84
54)	P	2,4-Dinitrophenol		0.056	0.077	0.101	0.101	0.113	0.112	0.093	23.89
55)		Dibenzofuran	1.767	1.659	1.579	1.486	1.389	1.375	1.278	1.505	11.52
56)	P	4-Nitrophenol	0.187	0.207	0.225	0.232	0.219	0.220	0.208	0.214	6.84
57)		2,4-Dinitrotol...	0.280	0.314	0.337	0.356	0.344	0.351	0.338	0.332	7.94
58)		Fluorene	1.409	1.309	1.201	1.110	1.029	1.021	0.944	1.146	14.68
59)		2,3,4,6-Tetrac...	0.334	0.322	0.326	0.310	0.296	0.293	0.281	0.309	6.33
60)		Diethylphthalate	1.366	1.308	1.267	1.214	1.165	1.161	1.080	1.223	7.99
61)		4-Chlorophenyl...	0.698	0.638	0.617	0.569	0.526	0.520	0.484	0.579	13.14
62)		4-Nitroaniline	0.249	0.259	0.270	0.275	0.263	0.269	0.254	0.263	3.65
63)		Azobenzene	1.459	1.385	1.355	1.306	1.216	1.212	1.143	1.297	8.62
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.072	0.087	0.090	0.092	0.093	0.082	18.60
66)	c	n-Nitrosodiphe...	0.672	0.641	0.621	0.595	0.568	0.561	0.533	0.599	8.14
67)		4-Bromophenyl-...	0.230	0.217	0.211	0.202	0.197	0.196	0.189	0.206	6.98
68)		Hexachlorobenzene	0.258	0.245	0.237	0.231	0.217	0.221	0.212	0.232	7.20
69)		Atrazine	0.189	0.175	0.156	0.175	0.135	0.153	0.151	0.162	11.36
70)	C	Pentachlorophenol	0.118	0.137	0.148	0.152	0.145	0.144	0.140	0.141	8.04
71)		Phenanthrene	1.121	1.035	0.994	0.933	0.863	0.860	0.807	0.945	11.79
72)		Anthracene	1.082	1.014	0.972	0.913	0.851	0.833	0.787	0.922	11.53
73)		Carbazole	1.002	0.964	0.923	0.846	0.776	0.772	0.717	0.857	12.64
74)		Di-n-butylphth...	1.104	1.071	1.062	1.014	0.923	0.909	0.850	0.990	9.77
75)	C	Fluoranthene	1.149	1.108	1.036	0.943	0.842	0.835	0.772	0.955	15.34
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.457	0.461	0.293	0.366	0.276	0.203	0.246	0.329	30.86
78)		Pyrene	1.892	1.828	1.900	1.805	1.685	1.649	1.496	1.751	8.43
79)	S	Terphenyl-d14	1.381	1.335	1.340	1.244	1.154	1.121	1.018	1.227	10.96
80)		Butylbenzylpht...	0.490	0.513	0.536	0.555	0.535	0.531	0.514	0.525	3.99
81)		Benzo(a)anthra...	1.425	1.355	1.329	1.331	1.267	1.237	1.169	1.302	6.48
82)		3,3'-Dichlorob...	0.368	0.372	0.390	0.387	0.374	0.382	0.384	0.380	2.15
83)		Chrysene	1.325	1.244	1.234	1.167	1.134	1.151	1.101	1.194	6.52
84)		Bis(2-ethylhex...	0.520	0.539	0.577	0.626	0.620	0.626	0.614	0.589	7.48
85)	c	Di-n-octyl pht...		0.786	0.930	1.135	1.182	1.207	1.186	1.071	16.14

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86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.209	1.261	1.307	1.352	1.299	1.326	1.253	1.287	3.77
88)		Benzo(b)fluora...	1.317	1.240	1.319	1.196	1.105	1.239	1.111	1.218	7.15
89)		Benzo(k)fluora...	1.213	1.177	0.992	1.066	1.030	0.929	0.947	1.051	10.42
90)	C	Benzo(a)pyrene	1.030	1.024	1.018	1.025	0.974	0.999	0.947	1.002	3.12
91)		Dibenzo(a,h)an...	1.021	1.064	1.103	1.120	1.083	1.085	1.036	1.073	3.31
92)		Benzo(g,h,i)pe...	1.030	1.046	1.090	1.128	1.081	1.095	1.035	1.072	3.37

(#) = Out of Range

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM102324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 23 18:21:59 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BM048200.D 5 =BM048201.D 10 =BM048202.D 20 =BM048203.D 40 =BM048204.D 50 =BM048205.D 60 =BM048206.D 80 =BM0482
07.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.538	0.529	0.508	0.502	0.451	0.449	0.433	0.487	8.69
3)		Pyridine		1.311	1.326	1.338	1.329	1.248	1.275	1.228	1.294	3.35
4)		n-Nitrosodimet...		0.571	0.549	0.566	0.572	0.535	0.537	0.515	0.549	3.94
5)	S	2-Fluorophenol		1.238	1.182	1.198	1.216	1.162	1.185	1.148	1.190	2.59
6)		Aniline		1.385	1.370	1.370	1.385	1.235	1.196	1.063	1.286	9.76
7)	S	Phenol-d6		1.555	1.545	1.578	1.594	1.523	1.562	1.490	1.550	2.25
8)		2-Chlorophenol		1.337	1.282	1.302	1.323	1.264	1.295	1.247	1.293	2.44
9)		Benzaldehyde		0.865	0.868	0.830	0.760	0.643	0.602		0.761	15.15
10)	C	Phenol		1.544	1.538	1.584	1.600	1.543	1.585	1.519	1.559	1.93
11)		bis(2-Chloroet...		1.238	1.275	1.240	1.281	1.221	1.238	1.199	1.242	2.30
12)		1,3-Dichlorobe...		1.600	1.532	1.516	1.512	1.428	1.452	1.392	1.490	4.75
13)	C	1,4-Dichlorobe...		1.638	1.571	1.534	1.517	1.454	1.469	1.415	1.514	5.01
14)		1,2-Dichlorobe...		1.573	1.528	1.497	1.483	1.400	1.410	1.351	1.463	5.39
15)		Benzyl Alcohol		0.902	0.943	1.011	1.045	1.010	1.024	0.985	0.989	5.06
16)		2,2'-oxybis(1-...		1.972	1.875	1.875	1.837	1.751	1.747	1.657	1.816	5.78
17)		2-Methylphenol		0.992	1.032	1.076	1.067	1.030	1.052	1.003	1.036	3.01
18)		Hexachloroethane		0.602	0.565	0.556	0.565	0.532	0.542	0.523	0.555	4.72
19)	P	n-Nitroso-di-n...	1.020	1.036	0.993	1.014	1.010	0.945	0.944	0.881	0.980	5.36
20)		3+4-Methylphenols		1.412	1.374	1.453	1.515	1.439	1.461	1.391	1.435	3.31
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.493	0.488	0.505	0.502	0.480	0.487	0.461	0.488	3.01
23)	S	Nitrobenzene-d5		0.347	0.348	0.362	0.369	0.353	0.358	0.342	0.354	2.64
24)		Nitrobenzene		0.367	0.363	0.375	0.379	0.365	0.367	0.352	0.367	2.36
25)		Isophorone		0.652	0.638	0.664	0.672	0.642	0.654	0.623	0.649	2.56
26)	C	2-Nitrophenol		0.145	0.151	0.169	0.180	0.178	0.183	0.180	0.169	9.13
27)		2,4-Dimethylph...		0.192	0.195	0.210	0.215	0.207	0.213	0.207	0.206	4.34
28)		bis(2-Chloroet...		0.398	0.403	0.422	0.428	0.407	0.415	0.401	0.411	2.77
29)	C	2,4-Dichloroph...		0.270	0.279	0.300	0.311	0.301	0.309	0.300	0.296	5.24
30)		1,2,4-Trichlor...		0.350	0.335	0.345	0.344	0.332	0.338	0.327	0.339	2.47
31)		Naphthalene		1.097	1.048	1.065	1.062	1.012	1.031	0.986	1.043	3.52
32)		Benzoic acid		0.189	0.191	0.212	0.248	0.244	0.259	0.258	0.229	13.37
33)		4-Chloroaniline		0.320	0.330	0.367	0.376	0.342	0.336	0.299	0.338	7.83
34)	C	Hexachlorobuta...		0.219	0.212	0.215	0.214	0.203	0.207	0.199	0.210	3.32
35)		Caprolactam		0.087	0.089	0.097	0.104	0.097	0.101	0.098	0.096	6.29
36)	C	4-Chloro-3-met...		0.291	0.296	0.318	0.324	0.309	0.316	0.307	0.309	3.91
37)		2-Methylnaphth...		0.726	0.694	0.719	0.716	0.678	0.688	0.657	0.697	3.58
38)		1-Methylnaphth...		0.724	0.692	0.707	0.712	0.669	0.686	0.648	0.691	3.76

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.588	0.575	0.572	0.578	0.563	0.571	0.555	0.572	1.87
41)	P	Hexachlorocycl...	0.179	0.187	0.195	0.202	0.200	0.201	0.191	0.193	4.41
42)	S	2,4,6-Tribromo...	0.241	0.246	0.252	0.259	0.240	0.243	0.233	0.245	3.44
43)	C	2,4,6-Trichlor...	0.357	0.369	0.382	0.394	0.381	0.391	0.382	0.379	3.39
44)		2,4,5-Trichlor...	0.411	0.407	0.420	0.441	0.423	0.437	0.423	0.423	2.93
45)	S	2-Fluorobiphenyl	1.391	1.358	1.338	1.333	1.258	1.261	1.185	1.303	5.49
46)		1,1'-Biphenyl	1.476	1.458	1.454	1.454	1.396	1.407	1.351	1.428	3.11
47)		2-Chloronaphth...	1.153	1.136	1.139	1.149	1.108	1.124	1.072	1.126	2.51
48)		2-Nitroaniline	0.258	0.279	0.309	0.329	0.319	0.327	0.316	0.305	8.82
49)		Acenaphthylene	1.661	1.634	1.674	1.693	1.613	1.643	1.580	1.643	2.32
50)		Dimethylphthalate	1.451	1.384	1.382	1.396	1.306	1.345	1.293	1.365	4.01
51)		2,6-Dinitrotol...	0.273	0.290	0.312	0.321	0.310	0.317	0.309	0.305	5.61
52)	C	Acenaphthene	1.098	1.062	1.058	1.064	1.018	1.023	0.983	1.044	3.65
53)		3-Nitroaniline	0.229	0.265	0.300	0.321	0.305	0.304	0.289	0.287	10.74
54)	P	2,4-Dinitrophenol		0.136	0.164	0.188	0.189	0.196	0.195	0.178	13.24
55)		Dibenzofuran	1.766	1.710	1.701	1.702	1.590	1.608	1.529	1.658	5.03
56)	P	4-Nitrophenol		0.203	0.245	0.277	0.266	0.275	0.272	0.256	11.11
57)		2,4-Dinitrotol...	0.338	0.371	0.406	0.437	0.417	0.429	0.418	0.402	8.82
58)		Fluorene	1.412	1.361	1.378	1.351	1.248	1.253	1.176	1.311	6.56
59)		2,3,4,6-Tetrac...	0.356	0.353	0.355	0.370	0.337	0.346	0.338	0.351	3.26
60)		Diethylphthalate	1.445	1.389	1.397	1.424	1.340	1.370	1.311	1.382	3.36
61)		4-Chlorophenyl...	0.700	0.687	0.685	0.671	0.623	0.630	0.594	0.656	6.09
62)		4-Nitroaniline	0.213	0.247	0.300	0.339	0.320	0.334	0.328	0.297	16.35
63)		Azobenzene	1.196	1.238	1.287	1.314	1.224	1.236	1.180	1.239	3.83
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.087	0.098	0.116	0.129	0.124	0.129	0.128	0.116	14.66
66)	c	n-Nitrosodiphe...	0.549	0.556	0.565	0.570	0.538	0.546	0.521	0.549	3.01
67)		4-Bromophenyl-...	0.205	0.205	0.204	0.208	0.199	0.203	0.195	0.203	2.09
68)		Hexachlorobenzene	0.252	0.249	0.245	0.251	0.236	0.240	0.232	0.244	3.16
69)		Atrazine	0.176	0.172	0.150	0.186	0.111	0.128		0.154	19.35
70)	C	Pentachlorophenol	0.145	0.150	0.161	0.172	0.160	0.166	0.164	0.160	5.93
71)		Phenanthrene	1.043	1.012	1.008	1.017	0.953	0.969	0.930	0.990	4.08
72)		Anthracene	0.960	0.952	0.985	0.998	0.944	0.955	0.916	0.959	2.80
73)		Carbazole	0.911	0.923	0.958	0.994	0.927	0.953	0.911	0.940	3.23
74)		Di-n-butylphth...	1.131	1.114	1.164	1.241	1.170	1.208	1.161	1.170	3.68
75)	C	Fluoranthene	1.236	1.185	1.210	1.223	1.137	1.162	1.117	1.181	3.80
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.417	0.269	0.107	0.344	0.155	0.101	0.223	0.231	52.15
78)		Pyrene	1.336	1.312	1.332	1.358	1.335	1.370	1.329	1.339	1.42
79)	S	Terphenyl-d14	1.013	1.003	1.005	1.009	0.955	0.969	0.907	0.980	3.98
80)		Butylbenzylpht...	0.490	0.502	0.542	0.589	0.583	0.612	0.600	0.560	8.68
81)		Benzo(a)anthra...	1.299	1.258	1.277	1.297	1.264	1.294	1.257	1.278	1.47
82)		3,3'-Dichlorob...	0.432	0.435	0.442	0.473	0.427	0.434	0.422	0.438	3.84
83)		Chrysene	1.273	1.224	1.242	1.244	1.203	1.224	1.177	1.227	2.50
84)		Bis(2-ethylhex...	0.735	0.758	0.813	0.861	0.839	0.866	0.823	0.814	6.15
85)	c	Di-n-octyl pht...	1.206	1.220	1.357	1.491	1.485	1.556	1.548	1.409	10.57

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
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86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.293	1.288	1.343	1.373	1.305	1.355	1.300	1.323	2.56
88)		Benzo(b)fluora...	1.142	1.113	1.179	1.182	1.148	1.142	1.121	1.147	2.27
89)		Benzo(k)fluora...	1.134	1.146	1.109	1.147	1.054	1.123	1.047	1.109	3.77
90)	C	Benzo(a)pyrene	0.983	0.965	1.007	1.034	0.990	1.018	0.982	0.997	2.40
91)		Dibenzo(a,h)an...	1.093	1.074	1.122	1.147	1.086	1.118	1.069	1.101	2.58
92)		Benzo(g,h,i)pe...	1.131	1.099	1.138	1.156	1.111	1.156	1.103	1.128	2.11

(#) = Out of Range

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 09:20

Lab File ID: BF139952.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.208		-5.5	
Benzaldehyde	0.931	0.814		-12.6	
Phenol-d6	1.655	1.535		-7.3	
Phenol	1.706	1.607		-5.8	20.0
bis(2-Chloroethyl)ether	1.319	1.234		-6.4	
2-Chlorophenol	1.306	1.268		-2.9	
2-Methylphenol	1.114	1.068		-4.1	
2,2-oxybis(1-Chloropropane)	2.248	2.003		-10.9	
Acetophenone	0.490	0.464		-5.3	
3+4-Methylphenols	1.424	1.338		-6.0	
n-Nitroso-di-n-propylamine	1.004	0.910	0.050	-9.4	
Nitrobenzene-d5	0.361	0.367		1.7	
Hexachloroethane	0.534	0.522		-2.2	
Nitrobenzene	0.396	0.388		-2.0	
Isophorone	0.685	0.648		-5.4	
2-Nitrophenol	0.149	0.174		16.8	20.0
2,4-Dimethylphenol	0.249	0.236		-5.2	
bis(2-Chloroethoxy)methane	0.415	0.398		-4.1	
2,4-Dichlorophenol	0.283	0.280		-1.1	20.0
Naphthalene	1.031	1.008		-2.2	
4-Chloroaniline	0.352	0.342		-2.8	
Hexachlorobutadiene	0.197	0.200		1.5	20.0
Caprolactam	0.090	0.090		0.0	
4-Chloro-3-methylphenol	0.314	0.305		-2.9	20.0
2-Methylnaphthalene	0.632	0.620		-1.9	
Hexachlorocyclopentadiene	0.188	0.204	0.050	8.5	
2,4,6-Trichlorophenol	0.382	0.403		5.5	20.0
2-Fluorobiphenyl	1.210	1.162		-4.0	
2,4,5-Trichlorophenol	0.394	0.393		-0.3	
1,1-Biphenyl	1.392	1.355		-2.7	
2-Chloronaphthalene	1.121	1.098		-2.1	
2-Nitroaniline	0.343	0.363		5.8	
Dimethylphthalate	1.246	1.215		-2.5	
Acenaphthylene	1.621	1.589		-2.0	
2,6-Dinitrotoluene	0.270	0.288		6.7	
3-Nitroaniline	0.278	0.293		5.4	
Acenaphthene	1.049	1.047		-0.2	20.0
2,4-Dinitrophenol	0.093	0.140	0.050	50.5	
4-Nitrophenol	0.214	0.233	0.050	8.9	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 09:20

Lab File ID: BF139952.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.468		-2.5	
2,4-Dinitrotoluene	0.332	0.372		12.0	
Diethylphthalate	1.223	1.192		-2.5	
4-Chlorophenyl-phenylether	0.579	0.584		0.9	
Fluorene	1.146	1.120		-2.3	
4-Nitroaniline	0.263	0.278		5.7	
4,6-Dinitro-2-methylphenol	0.082	0.113		37.8	
n-Nitrosodiphenylamine	0.599	0.579		-3.3	20.0
2,4,6-Tribromophenol	0.187	0.206		10.2	
4-Bromophenyl-phenylether	0.206	0.211		2.4	
Hexachlorobenzene	0.232	0.233		0.4	
Atrazine	0.162	0.165		1.9	
Pentachlorophenol	0.141	0.161		14.2	20.0
Phenanthrene	0.945	0.906		-4.1	
Anthracene	0.922	0.896		-2.8	
Carbazole	0.857	0.815		-4.9	
Di-n-butylphthalate	0.990	0.951		-3.9	
Fluoranthene	0.955	0.921		-3.6	20.0
Pyrene	1.751	1.747		-0.2	
Terphenyl-d14	1.227	1.236		0.7	
Butylbenzylphthalate	0.525	0.536		2.1	
3,3-Dichlorobenzidine	0.380	0.427		12.4	
Benzo(a)anthracene	1.302	1.273		-2.2	
Chrysene	1.194	1.169		-2.1	
Bis(2-ethylhexyl)phthalate	0.589	0.652		10.7	
Di-n-octyl phthalate	1.071	1.163		8.6	20.0
Benzo(b)fluoranthene	1.218	1.240		1.8	
Benzo(k)fluoranthene	1.051	0.912		-13.2	
Benzo(a)pyrene	1.002	0.988		-1.4	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.393		8.2	
Dibenzo(a,h)anthracene	1.073	1.155		7.6	
Benzo(g,h,i)perylene	1.072	1.184		10.4	
1,2,4,5-Tetrachlorobenzene	0.540	0.541		0.2	
1,4-Dioxane	0.596	0.552		-7.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.318		2.9	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 15:16

Lab File ID: BF140001.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.208		-5.5	
Benzaldehyde	0.931	0.931		0.0	
Phenol-d6	1.655	1.521		-8.1	
Phenol	1.706	1.601		-6.2	20.0
bis(2-Chloroethyl)ether	1.319	1.259		-4.5	
2-Chlorophenol	1.306	1.259		-3.6	
2-Methylphenol	1.114	1.047		-6.0	
2,2-oxybis(1-Chloropropane)	2.248	1.948		-13.3	
Acetophenone	0.490	0.472		-3.7	
3+4-Methylphenols	1.424	1.322		-7.2	
n-Nitroso-di-n-propylamine	1.004	0.889	0.050	-11.5	
Nitrobenzene-d5	0.361	0.374		3.6	
Hexachloroethane	0.534	0.526		-1.5	
Nitrobenzene	0.396	0.397		0.3	
Isophorone	0.685	0.655		-4.4	
2-Nitrophenol	0.149	0.178		19.5	20.0
2,4-Dimethylphenol	0.249	0.238		-4.4	
bis(2-Chloroethoxy)methane	0.415	0.407		-1.9	
2,4-Dichlorophenol	0.283	0.285		0.7	20.0
Naphthalene	1.031	1.015		-1.6	
4-Chloroaniline	0.352	0.336		-4.5	
Hexachlorobutadiene	0.197	0.203		3.0	20.0
Caprolactam	0.090	0.089		-1.1	
4-Chloro-3-methylphenol	0.314	0.306		-2.5	20.0
2-Methylnaphthalene	0.632	0.623		-1.4	
Hexachlorocyclopentadiene	0.188	0.199	0.050	5.9	
2,4,6-Trichlorophenol	0.382	0.387		1.3	20.0
2-Fluorobiphenyl	1.210	1.197		-1.1	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
1,1-Biphenyl	1.392	1.393		0.1	
2-Chloronaphthalene	1.121	1.127		0.5	
2-Nitroaniline	0.343	0.369		7.6	
Dimethylphthalate	1.246	1.232		-1.1	
Acenaphthylene	1.621	1.600		-1.3	
2,6-Dinitrotoluene	0.270	0.292		8.1	
3-Nitroaniline	0.278	0.285		2.5	
Acenaphthene	1.049	1.061		1.1	20.0
2,4-Dinitrophenol	0.093	0.142	0.050	52.7	
4-Nitrophenol	0.214	0.216	0.050	0.9	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 15:16

Lab File ID: BF140001.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.482		-1.5	
2,4-Dinitrotoluene	0.332	0.371		11.7	
Diethylphthalate	1.223	1.183		-3.3	
4-Chlorophenyl-phenylether	0.579	0.577		-0.3	
Fluorene	1.146	1.115		-2.7	
4-Nitroaniline	0.263	0.268		1.9	
4,6-Dinitro-2-methylphenol	0.082	0.115		40.2	
n-Nitrosodiphenylamine	0.599	0.597		-0.3	20.0
2,4,6-Tribromophenol	0.187	0.207		10.7	
4-Bromophenyl-phenylether	0.206	0.220		6.8	
Hexachlorobenzene	0.232	0.242		4.3	
Atrazine	0.162	0.163		0.6	
Pentachlorophenol	0.141	0.159		12.8	20.0
Phenanthrene	0.945	0.922		-2.4	
Anthracene	0.922	0.910		-1.3	
Carbazole	0.857	0.810		-5.5	
Di-n-butylphthalate	0.990	0.945		-4.5	
Fluoranthene	0.955	0.896		-6.2	20.0
Pyrene	1.751	1.855		5.9	
Terphenyl-d14	1.227	1.306		6.4	
Butylbenzylphthalate	0.525	0.544		3.6	
3,3-Dichlorobenzidine	0.380	0.435		14.5	
Benzo(a)anthracene	1.302	1.322		1.5	
Chrysene	1.194	1.125		-5.8	
Bis(2-ethylhexyl)phthalate	0.589	0.627		6.5	
Di-n-octyl phthalate	1.071	1.102		2.9	20.0
Benzo(b)fluoranthene	1.218	1.087		-10.8	
Benzo(k)fluoranthene	1.051	1.032		-1.8	
Benzo(a)pyrene	1.002	0.984		-1.8	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.386		7.7	
Dibenzo(a,h)anthracene	1.073	1.154		7.5	
Benzo(g,h,i)perylene	1.072	1.167		8.9	
1,2,4,5-Tetrachlorobenzene	0.540	0.560		3.7	
1,4-Dioxane	0.596	0.573		-3.9	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.321		3.9	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/26/2024 10:38

Lab File ID: BF140050.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.220		-4.5	
Benzaldehyde	0.931	0.910		-2.3	
Phenol-d6	1.655	1.531		-7.5	
Phenol	1.706	1.580		-7.4	20.0
bis(2-Chloroethyl)ether	1.319	1.223		-7.3	
2-Chlorophenol	1.306	1.244		-4.7	
2-Methylphenol	1.114	1.029		-7.6	
2,2-oxybis(1-Chloropropane)	2.248	1.911		-15.0	
Acetophenone	0.490	0.475		-3.1	
3+4-Methylphenols	1.424	1.308		-8.1	
n-Nitroso-di-n-propylamine	1.004	0.873	0.050	-13.0	
Nitrobenzene-d5	0.361	0.380		5.3	
Hexachloroethane	0.534	0.520		-2.6	
Nitrobenzene	0.396	0.399		0.8	
Isophorone	0.685	0.645		-5.8	
2-Nitrophenol	0.149	0.164		10.1	20.0
2,4-Dimethylphenol	0.249	0.232		-6.8	
bis(2-Chloroethoxy)methane	0.415	0.393		-5.3	
2,4-Dichlorophenol	0.283	0.279		-1.4	20.0
Naphthalene	1.031	1.028		-0.3	
4-Chloroaniline	0.352	0.343		-2.6	
Hexachlorobutadiene	0.197	0.204		3.6	20.0
Caprolactam	0.090	0.088		-2.2	
4-Chloro-3-methylphenol	0.314	0.307		-2.2	20.0
2-Methylnaphthalene	0.632	0.618		-2.2	
Hexachlorocyclopentadiene	0.188	0.191	0.050	1.6	
2,4,6-Trichlorophenol	0.382	0.374		-2.1	20.0
2-Fluorobiphenyl	1.210	1.211		0.1	
2,4,5-Trichlorophenol	0.394	0.414		5.1	
1,1-Biphenyl	1.392	1.391		-0.1	
2-Chloronaphthalene	1.121	1.129		0.7	
2-Nitroaniline	0.343	0.375		9.3	
Dimethylphthalate	1.246	1.229		-1.4	
Acenaphthylene	1.621	1.628		0.4	
2,6-Dinitrotoluene	0.270	0.290		7.4	
3-Nitroaniline	0.278	0.298		7.2	
Acenaphthene	1.049	1.058		0.9	20.0
2,4-Dinitrophenol	0.093	0.126	0.050	35.5	
4-Nitrophenol	0.214	0.229	0.050	7.0	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/26/2024 10:38

Lab File ID: BF140050.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.491		-0.9	
2,4-Dinitrotoluene	0.332	0.383		15.4	
Diethylphthalate	1.223	1.181		-3.4	
4-Chlorophenyl-phenylether	0.579	0.581		0.3	
Fluorene	1.146	1.149		0.3	
4-Nitroaniline	0.263	0.289		9.9	
4,6-Dinitro-2-methylphenol	0.082	0.104		26.8	
n-Nitrosodiphenylamine	0.599	0.572		-4.5	20.0
2,4,6-Tribromophenol	0.187	0.204		9.1	
4-Bromophenyl-phenylether	0.206	0.202		-1.9	
Hexachlorobenzene	0.232	0.233		0.4	
Atrazine	0.162	0.156		-3.7	
Pentachlorophenol	0.141	0.152		7.8	20.0
Phenanthrene	0.945	0.913		-3.4	
Anthracene	0.922	0.901		-2.3	
Carbazole	0.857	0.832		-2.9	
Di-n-butylphthalate	0.990	0.946		-4.4	
Fluoranthene	0.955	0.965		1.0	20.0
Pyrene	1.751	1.811		3.4	
Terphenyl-d14	1.227	1.258		2.5	
Butylbenzylphthalate	0.525	0.551		5.0	
3,3-Dichlorobenzidine	0.380	0.409		7.6	
Benzo(a)anthracene	1.302	1.311		0.7	
Chrysene	1.194	1.157		-3.1	
Bis(2-ethylhexyl)phthalate	0.589	0.606		2.9	
Di-n-octyl phthalate	1.071	0.894		-16.5	20.0
Benzo(b)fluoranthene	1.218	1.154		-5.3	
Benzo(k)fluoranthene	1.051	1.063		1.1	
Benzo(a)pyrene	1.002	1.013		1.1	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.303		1.2	
Dibenzo(a,h)anthracene	1.073	1.070		-0.3	
Benzo(g,h,i)perylene	1.072	1.111		3.6	
1,2,4,5-Tetrachlorobenzene	0.540	0.555		2.8	
1,4-Dioxane	0.596	0.584		-2.0	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.315		1.9	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_M Calibration Date/Time: 10/24/2024 11:11

Lab File ID: BM048211.D Init. Calib. Date(s): 10/23/2024 10/23/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 17:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.190	1.228		3.2	
Benzaldehyde	0.761	0.734		-3.5	
Phenol-d6	1.550	1.554		0.3	
Phenol	1.559	1.569		0.6	20.0
bis(2-Chloroethyl)ether	1.242	1.263		1.7	
2-Chlorophenol	1.293	1.306		1.0	
2-Methylphenol	1.036	1.046		1.0	
2,2-oxybis(1-Chloropropane)	1.816	1.809		-0.4	
Acetophenone	0.488	0.486		-0.4	
3+4-Methylphenols	1.435	1.436		0.1	
n-Nitroso-di-n-propylamine	0.980	0.948	0.050	-3.3	
Nitrobenzene-d5	0.354	0.357		0.8	
Hexachloroethane	0.555	0.560		0.9	
Nitrobenzene	0.367	0.370		0.8	
Isophorone	0.649	0.635		-2.2	
2-Nitrophenol	0.169	0.177		4.7	20.0
2,4-Dimethylphenol	0.206	0.208		1.0	
bis(2-Chloroethoxy)methane	0.411	0.416		1.2	
2,4-Dichlorophenol	0.296	0.311		5.1	20.0
Naphthalene	1.043	1.067		2.3	
4-Chloroaniline	0.338	0.365		8.0	
Hexachlorobutadiene	0.210	0.218		3.8	20.0
Caprolactam	0.096	0.095		-1.0	
4-Chloro-3-methylphenol	0.309	0.312		1.0	20.0
2-Methylnaphthalene	0.697	0.706		1.3	
Hexachlorocyclopentadiene	0.193	0.205	0.050	6.2	
2,4,6-Trichlorophenol	0.379	0.399		5.3	20.0
2-Fluorobiphenyl	1.303	1.338		2.7	
2,4,5-Trichlorophenol	0.423	0.437		3.3	
1,1-Biphenyl	1.428	1.466		2.7	
2-Chloronaphthalene	1.126	1.160		3.0	
2-Nitroaniline	0.305	0.318		4.3	
Dimethylphthalate	1.365	1.373		0.6	
Acenaphthylene	1.643	1.687		2.7	
2,6-Dinitrotoluene	0.305	0.315		3.3	
3-Nitroaniline	0.287	0.318		10.8	
Acenaphthene	1.044	1.059		1.4	20.0
2,4-Dinitrophenol	0.178	0.184	0.050	3.4	
4-Nitrophenol	0.256	0.264	0.050	3.1	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_M Calibration Date/Time: 10/24/2024 11:11

Lab File ID: BM048211.D Init. Calib. Date(s): 10/23/2024 10/23/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 17:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.658	1.689		1.9	
2,4-Dinitrotoluene	0.402	0.425		5.7	
Diethylphthalate	1.382	1.391		0.7	
4-Chlorophenyl-phenylether	0.656	0.673		2.6	
Fluorene	1.311	1.335		1.8	
4-Nitroaniline	0.297	0.327		10.1	
4,6-Dinitro-2-methylphenol	0.116	0.129		11.2	
n-Nitrosodiphenylamine	0.549	0.570		3.8	20.0
2,4,6-Tribromophenol	0.245	0.251		2.4	
4-Bromophenyl-phenylether	0.203	0.209		3.0	
Hexachlorobenzene	0.244	0.251		2.9	
Atrazine	0.154	0.154		0.0	
Pentachlorophenol	0.160	0.171		6.9	20.0
Phenanthrene	0.990	1.012		2.2	
Anthracene	0.959	0.994		3.7	
Carbazole	0.940	0.981		4.4	
Di-n-butylphthalate	1.170	1.227		4.9	
Fluoranthene	1.181	1.202		1.8	20.0
Pyrene	1.339	1.394		4.1	
Terphenyl-d14	0.980	1.013		3.4	
Butylbenzylphthalate	0.560	0.598		6.8	
3,3-Dichlorobenzidine	0.438	0.458		4.6	
Benzo(a)anthracene	1.278	1.318		3.1	
Chrysene	1.227	1.249		1.8	
Bis(2-ethylhexyl)phthalate	0.814	0.870		6.9	
Di-n-octyl phthalate	1.409	1.494		6.0	20.0
Benzo(b)fluoranthene	1.147	1.188		3.6	
Benzo(k)fluoranthene	1.109	1.158		4.4	
Benzo(a)pyrene	0.997	1.039		4.2	20.0
Indeno(1,2,3-cd)pyrene	1.323	1.371		3.6	
Dibenzo(a,h)anthracene	1.101	1.147		4.2	
Benzo(g,h,i)perylene	1.128	1.164		3.2	
1,2,4,5-Tetrachlorobenzene	0.572	0.590		3.1	
1,4-Dioxane	0.487	0.489		0.4	20.0
2,3,4,6-Tetrachlorophenol	0.351	0.360		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: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_M Calibration Date/Time: 10/25/2024 08:49

Lab File ID: BM048228.D Init. Calib. Date(s): 10/23/2024 10/23/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 17:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.190	1.150		-3.4	
Benzaldehyde	0.761	0.656		-13.8	
Phenol-d6	1.550	1.488		-4.0	
Phenol	1.559	1.504		-3.5	20.0
bis(2-Chloroethyl)ether	1.242	1.206		-2.9	
2-Chlorophenol	1.293	1.249		-3.4	
2-Methylphenol	1.036	0.994		-4.1	
2,2-oxybis(1-Chloropropane)	1.816	1.761		-3.0	
Acetophenone	0.488	0.480		-1.6	
3+4-Methylphenols	1.435	1.367		-4.7	
n-Nitroso-di-n-propylamine	0.980	0.926	0.050	-5.5	
Nitrobenzene-d5	0.354	0.351		-0.8	
Hexachloroethane	0.555	0.537		-3.2	
Nitrobenzene	0.367	0.362		-1.4	
Isophorone	0.649	0.616		-5.1	
2-Nitrophenol	0.169	0.167		-1.2	20.0
2,4-Dimethylphenol	0.206	0.201		-2.4	
bis(2-Chloroethoxy)methane	0.411	0.404		-1.7	
2,4-Dichlorophenol	0.296	0.294		-0.7	20.0
Naphthalene	1.043	1.014		-2.8	
4-Chloroaniline	0.338	0.347		2.7	
Hexachlorobutadiene	0.210	0.208		-1.0	20.0
Caprolactam	0.096	0.088		-8.3	
4-Chloro-3-methylphenol	0.309	0.294		-4.9	20.0
2-Methylnaphthalene	0.697	0.672		-3.6	
Hexachlorocyclopentadiene	0.193	0.203	0.050	5.2	
2,4,6-Trichlorophenol	0.379	0.380		0.3	20.0
2-Fluorobiphenyl	1.303	1.310		0.5	
2,4,5-Trichlorophenol	0.423	0.425		0.5	
1,1-Biphenyl	1.428	1.430		0.1	
2-Chloronaphthalene	1.126	1.129		0.3	
2-Nitroaniline	0.305	0.306		0.3	
Dimethylphthalate	1.365	1.301		-4.7	
Acenaphthylene	1.643	1.624		-1.2	
2,6-Dinitrotoluene	0.305	0.299		-2.0	
3-Nitroaniline	0.287	0.295		2.8	
Acenaphthene	1.044	1.027		-1.6	20.0
2,4-Dinitrophenol	0.178	0.163	0.050	-8.4	
4-Nitrophenol	0.256	0.244	0.050	-4.7	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_M Calibration Date/Time: 10/25/2024 08:49

Lab File ID: BM048228.D Init. Calib. Date(s): 10/23/2024 10/23/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 17:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.658	1.615		-2.6	
2,4-Dinitrotoluene	0.402	0.396		-1.5	
Diethylphthalate	1.382	1.330		-3.8	
4-Chlorophenyl-phenylether	0.656	0.650		-0.9	
Fluorene	1.311	1.289		-1.7	
4-Nitroaniline	0.297	0.299		0.7	
4,6-Dinitro-2-methylphenol	0.116	0.117		0.9	
n-Nitrosodiphenylamine	0.549	0.548		-0.2	20.0
2,4,6-Tribromophenol	0.245	0.240		-2.0	
4-Bromophenyl-phenylether	0.203	0.201		-1.0	
Hexachlorobenzene	0.244	0.241		-1.2	
Atrazine	0.154	0.143		-7.1	
Pentachlorophenol	0.160	0.163		1.9	20.0
Phenanthrene	0.990	0.970		-2.0	
Anthracene	0.959	0.957		-0.2	
Carbazole	0.940	0.903		-3.9	
Di-n-butylphthalate	1.170	1.145		-2.1	
Fluoranthene	1.181	1.133		-4.1	20.0
Pyrene	1.339	1.344		0.4	
Terphenyl-d14	0.980	1.001		2.1	
Butylbenzylphthalate	0.560	0.554		-1.1	
3,3-Dichlorobenzidine	0.438	0.422		-3.7	
Benzo(a)anthracene	1.278	1.251		-2.1	
Chrysene	1.227	1.200		-2.2	
Bis(2-ethylhexyl)phthalate	0.814	0.808		-0.7	
Di-n-octyl phthalate	1.409	1.351		-4.1	20.0
Benzo(b)fluoranthene	1.147	1.151		0.3	
Benzo(k)fluoranthene	1.109	1.117		0.7	
Benzo(a)pyrene	0.997	0.998		0.1	20.0
Indeno(1,2,3-cd)pyrene	1.323	1.323		0.0	
Dibenzo(a,h)anthracene	1.101	1.112		1.0	
Benzo(g,h,i)perylene	1.128	1.131		0.3	
1,2,4,5-Tetrachlorobenzene	0.572	0.576		0.7	
1,4-Dioxane	0.487	0.470		-3.5	20.0
2,3,4,6-Tetrachlorophenol	0.351	0.345		-1.7	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 28 01:10:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.886	152	142022	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	554829	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	315069	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	502958	20.000	ng		0.00
76) Chrysene-d12	14.045	240	252281	20.000	ng		0.00
86) Perylene-d12	15.527	264	282696	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	761696	83.961	ng		0.00
7) Phenol-d6	6.504	99	974385	82.928	ng		0.00
23) Nitrobenzene-d5	7.445	82	596551	59.591	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	242295	82.216	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1050774	55.118	ng		0.00
79) Terphenyl-d14	12.992	244	837874	54.118	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.433	178	52803	2.223	ng		97
75) Fluoranthene	12.621	202	78278	3.259	ng		99
78) Pyrene	12.851	202	97847	4.431	ng		98
81) Benzo(a)anthracene	14.039	228	47020	2.863	ng	#	79
83) Chrysene	14.068	228	36661	2.435	ng	#	92
88) Benzo(b)fluoranthene	15.092	252	34923m	2.028	ng		
90) Benzo(a)pyrene	15.456	252	40332	2.846	ng		94

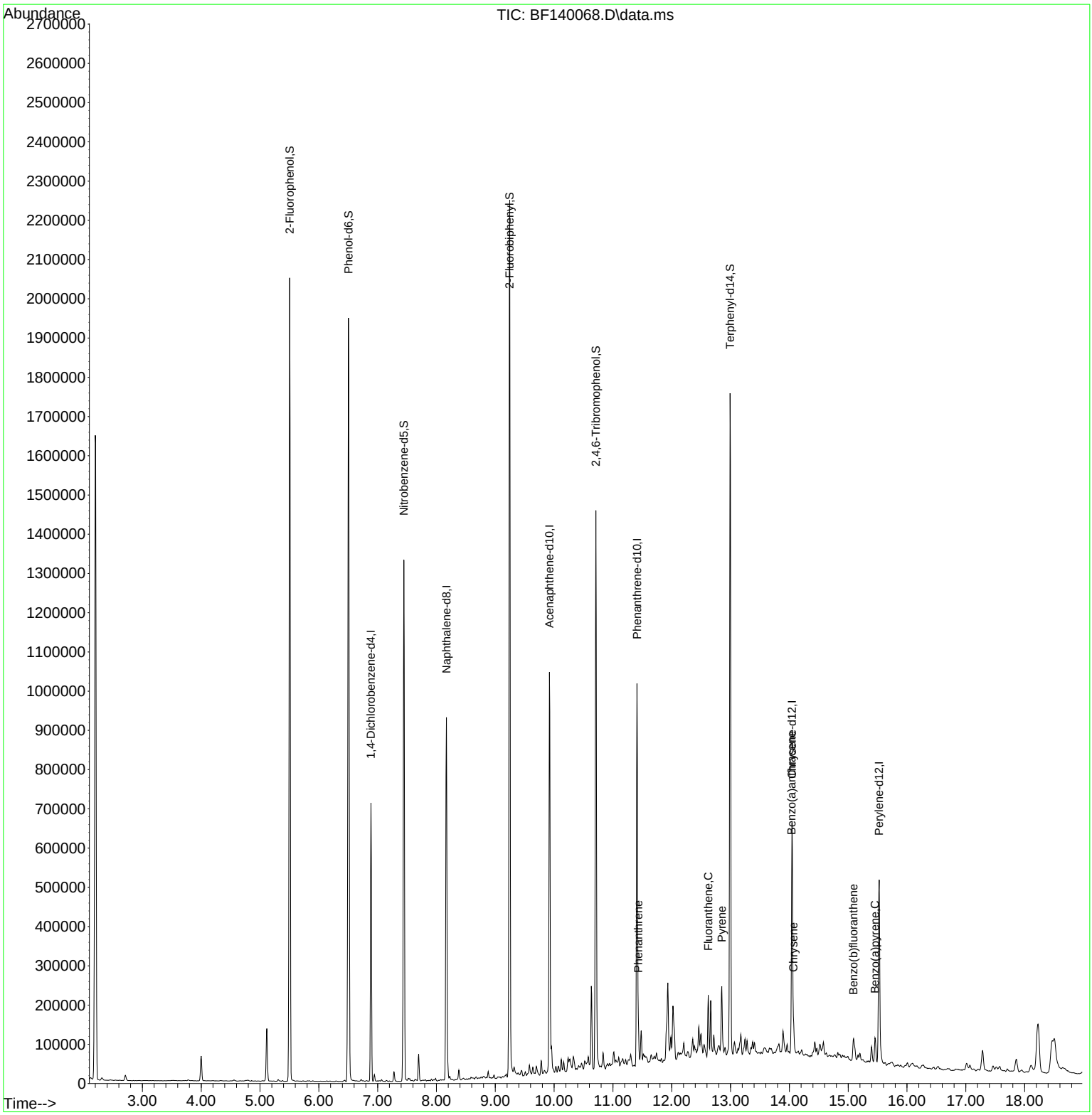
(#) = qualifier out of range (m) = manual integration (+) = signals summed

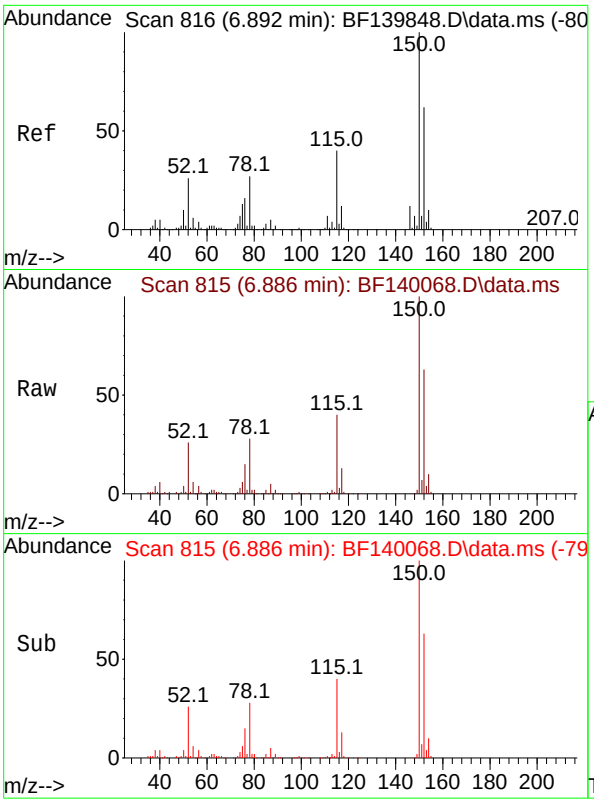
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Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 28 01:10:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

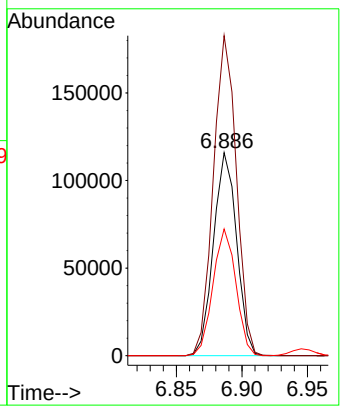




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

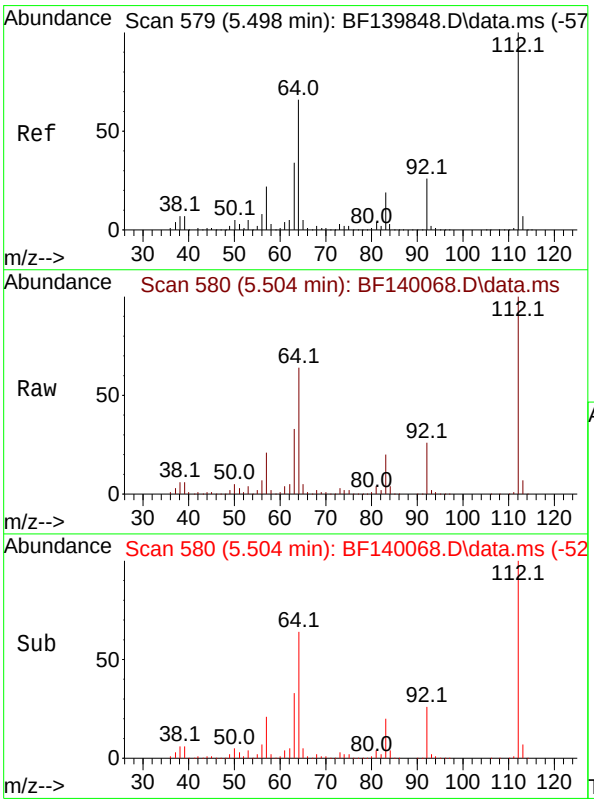
Tgt Ion:152 Resp: 14202

Ion	Ratio	Lower	Upper
152	100		
150	157.6	130.2	195.2
115	62.4	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

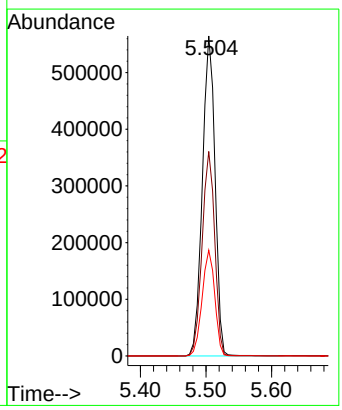
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

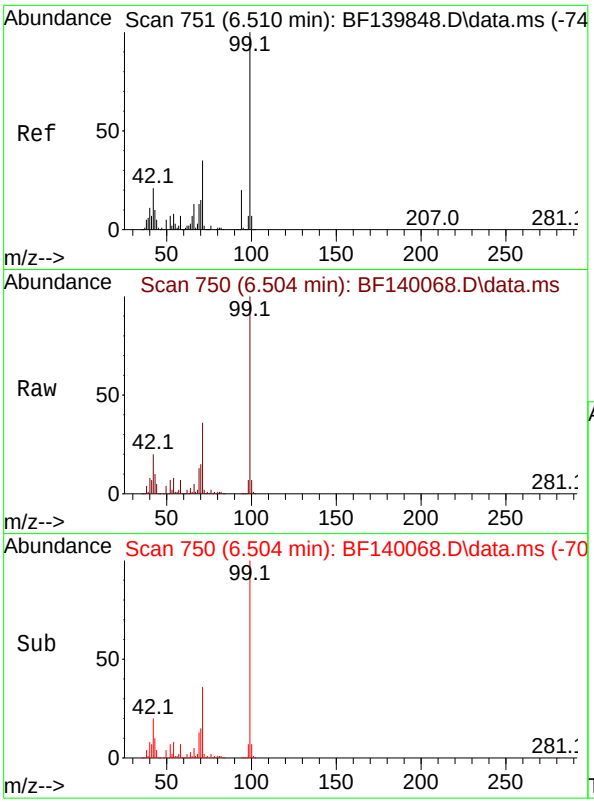


#5
2-Fluorophenol
Concen: 83.961 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:112 Resp: 761696

Ion	Ratio	Lower	Upper
112	100		
64	63.9	53.0	79.6
63	33.1	27.0	40.4

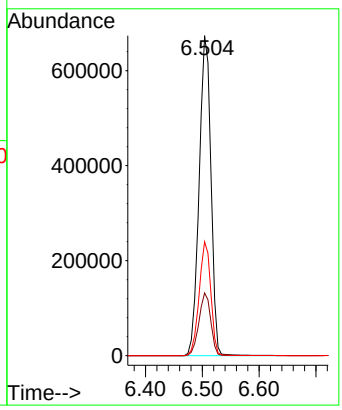




#7
Phenol-d6
Concen: 82.928 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion: 99 Resp: 97438

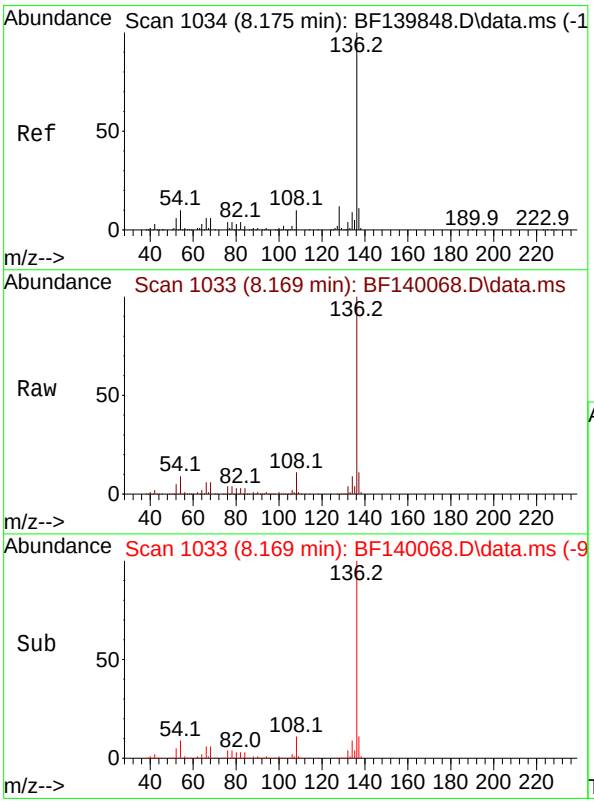
Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.7	25.1
71	35.6	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

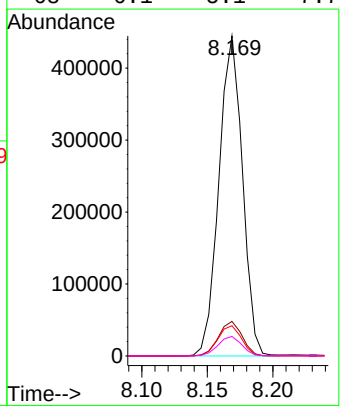
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

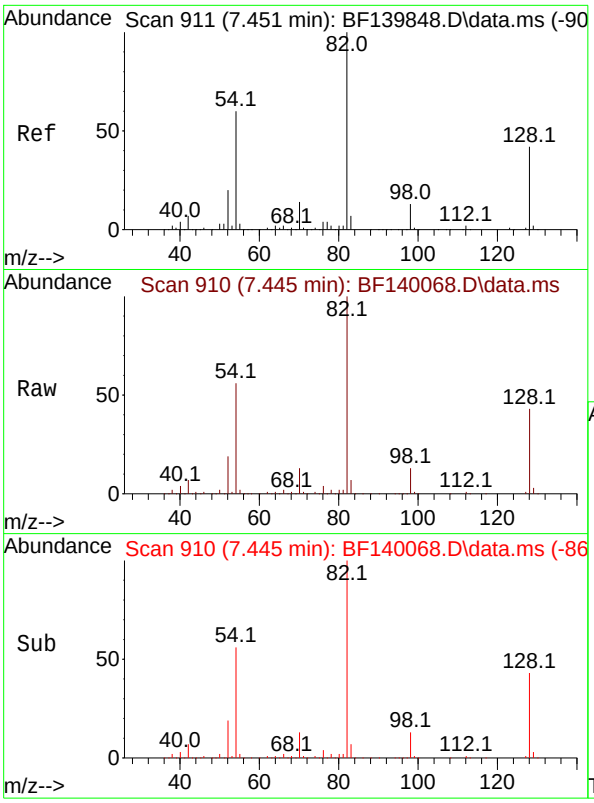


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:136 Resp: 554829

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	9.5	8.4	12.6
68	6.1	5.1	7.7





#23
Nitrobenzene-d5
Concen: 59.591 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

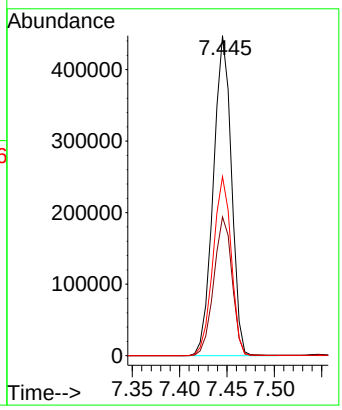
Tgt Ion: 82 Resp: 59655

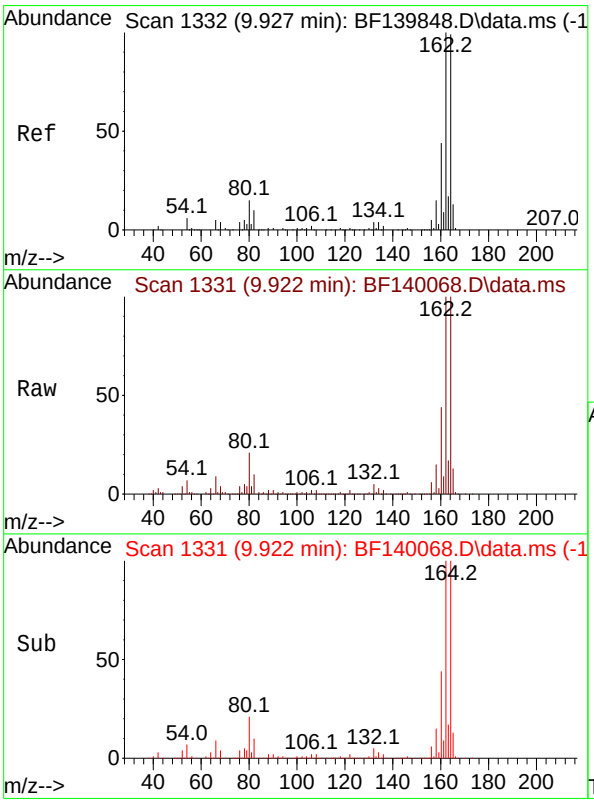
Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.4	50.0
54	56.0	47.8	71.8

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

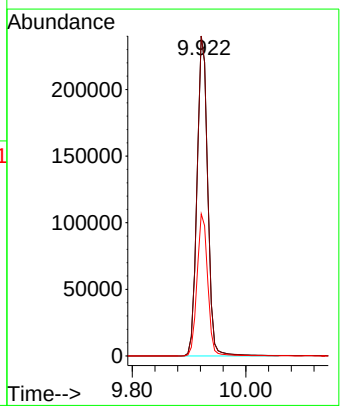


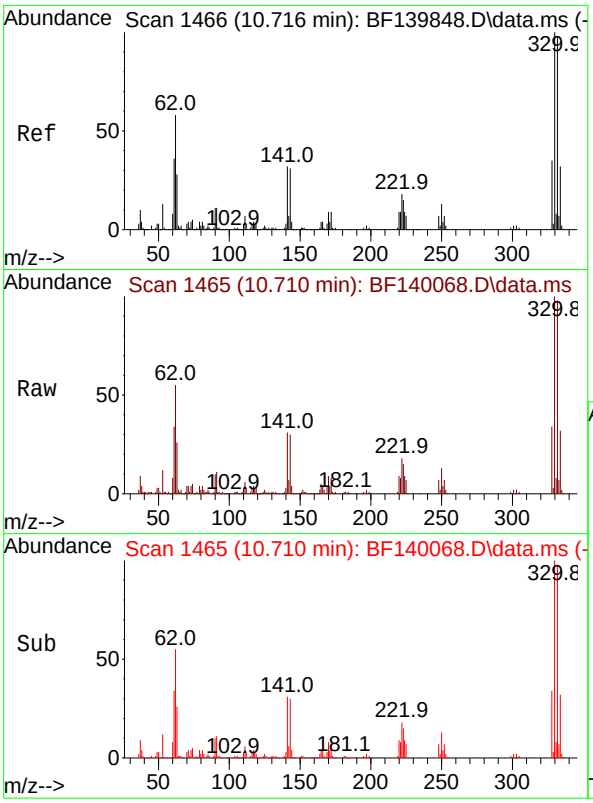


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:164 Resp: 315069

Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.0	121.4
160	44.4	35.4	53.0

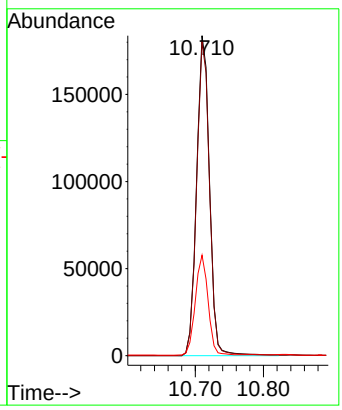




#42
2,4,6-Tribromophenol
Concen: 82.216 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

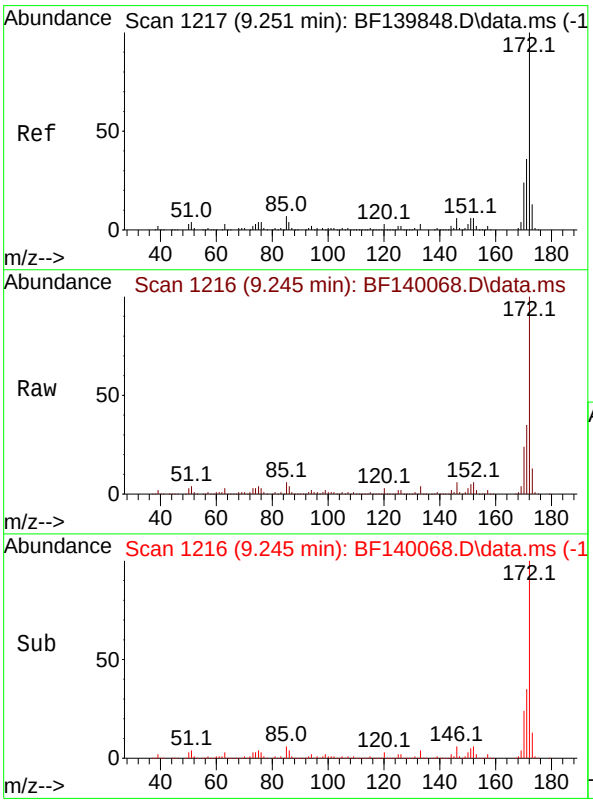
Tgt Ion:330 Resp: 24229

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.1	117.1
141	30.7	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

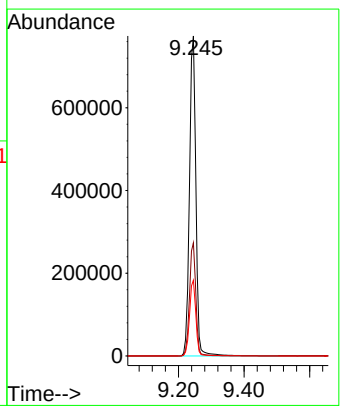
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

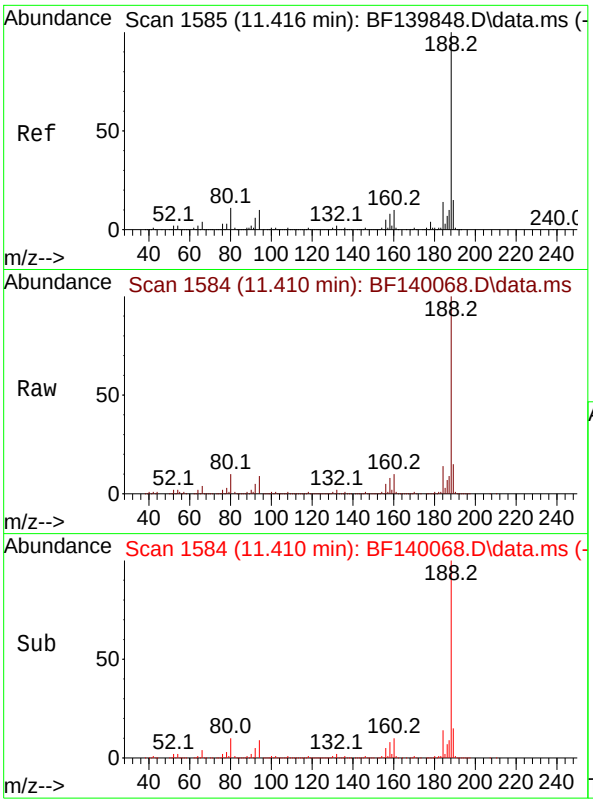


#45
2-Fluorobiphenyl
Concen: 55.118 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:172 Resp: 1050774

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.6	19.1	28.7

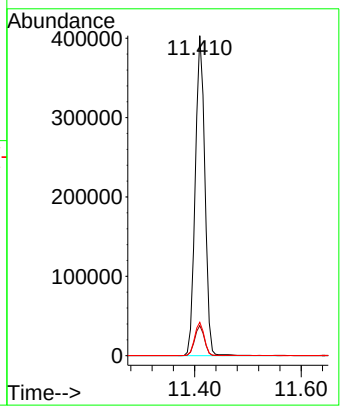




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:188 Resp: 50295

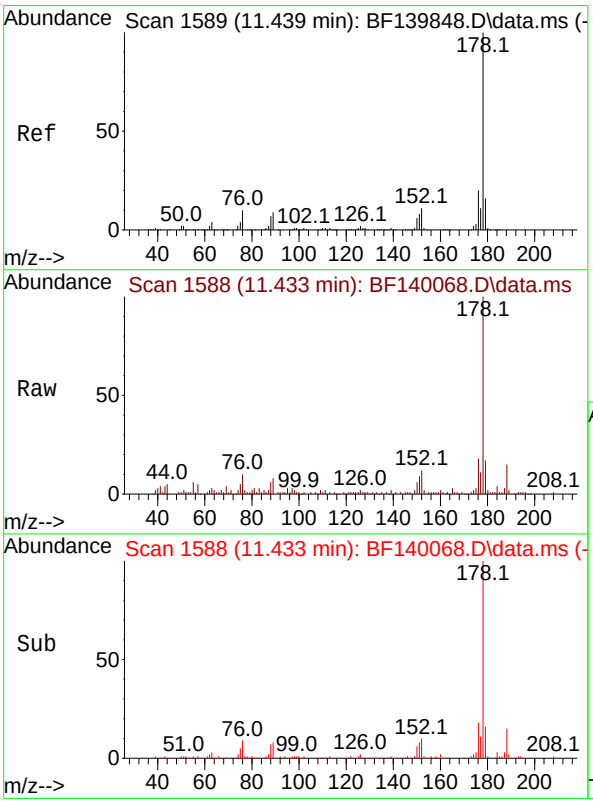
Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.9	11.9
80	10.4	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

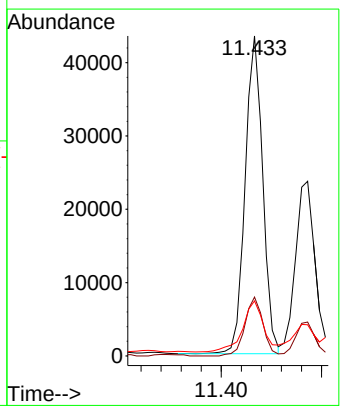
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

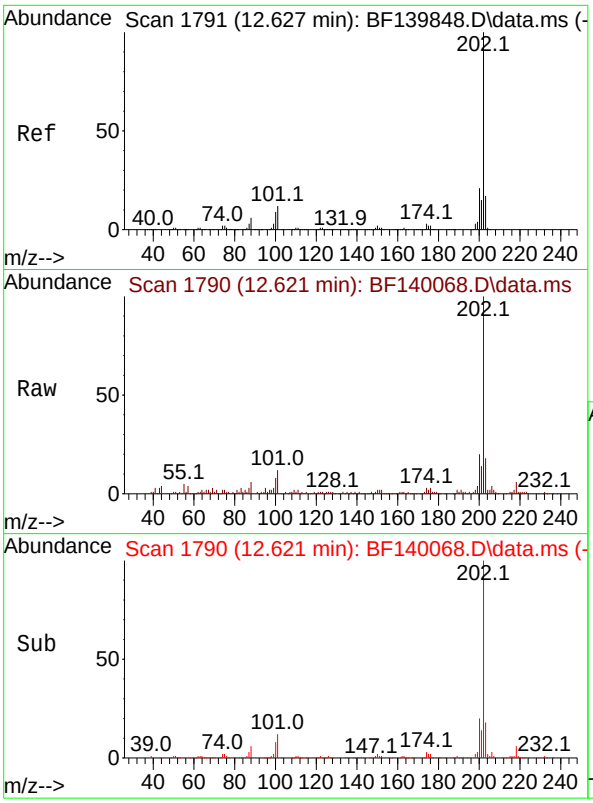


#71
Phenanthrene
Concen: 2.223 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:178 Resp: 52803

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.6
179	17.2	12.6	18.8

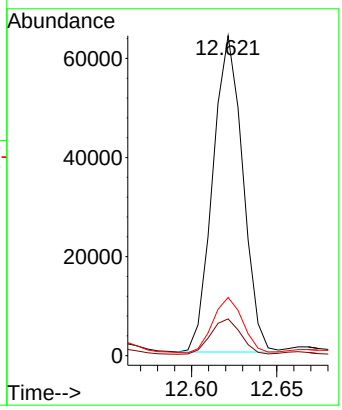




#75
Fluoranthene
Concen: 3.259 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:202 Resp: 7827

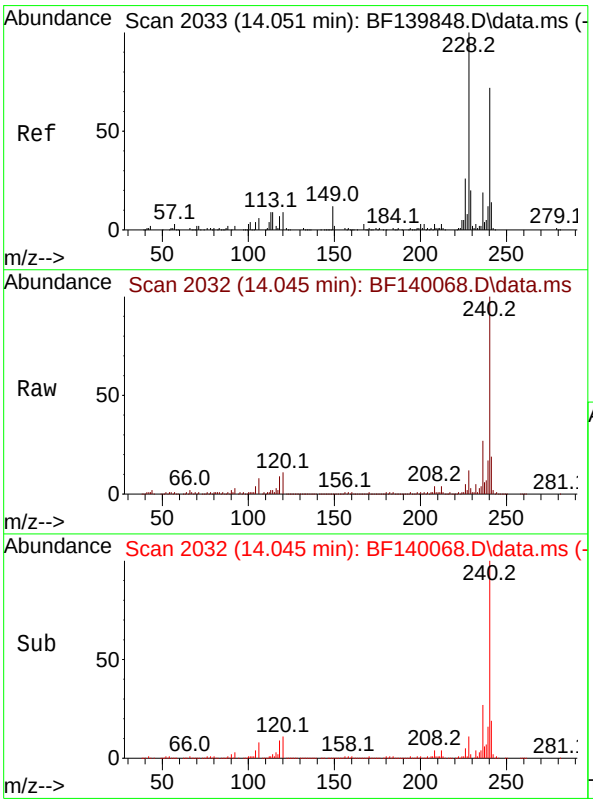
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.9
203	18.2	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

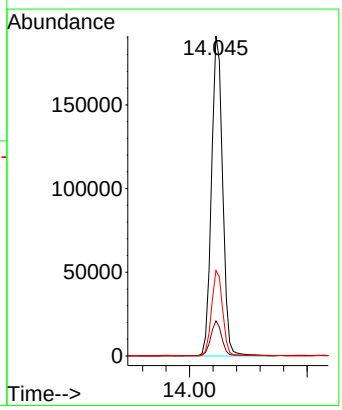
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

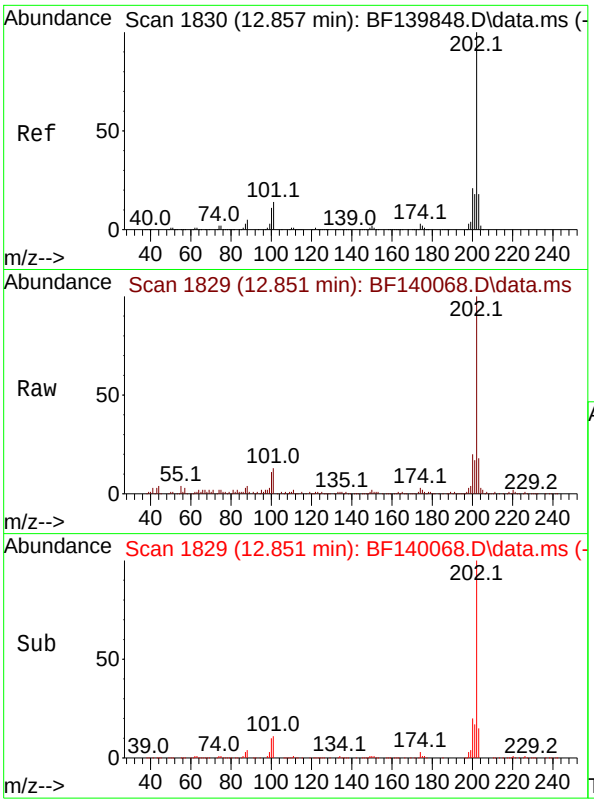


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:240 Resp: 252281

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.4	14.2
236	26.7	20.9	31.3

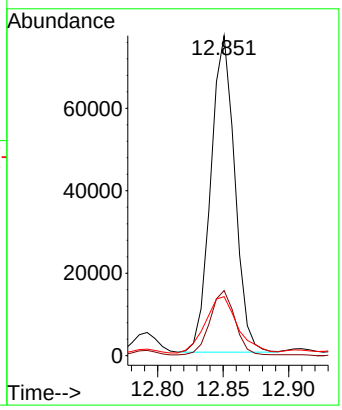




#78
Pyrene
Concen: 4.431 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

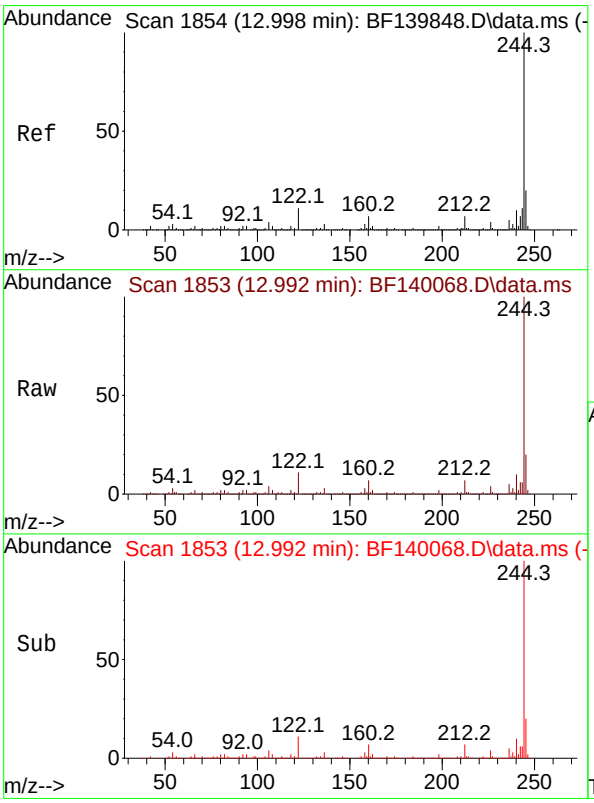
Tgt Ion:202 Resp: 9784

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.2	25.8
203	18.4	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

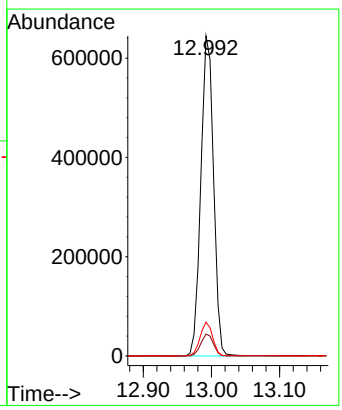
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

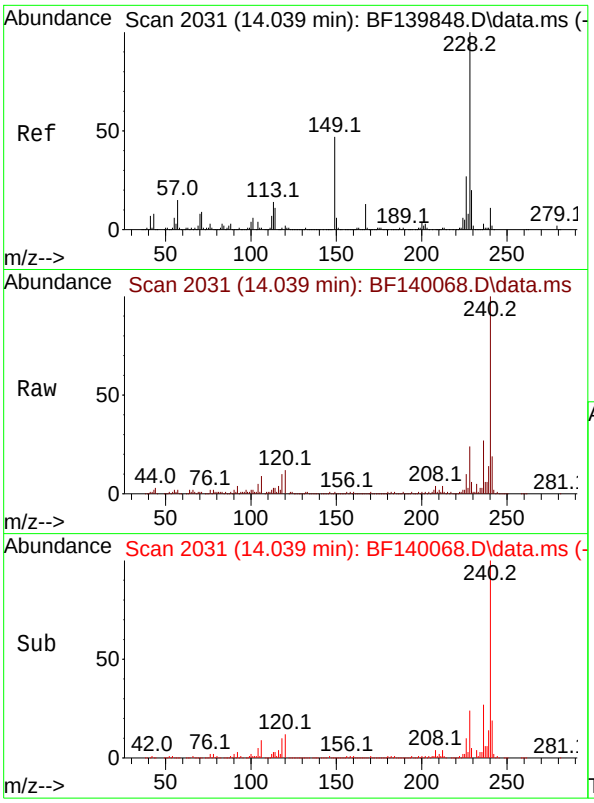


#79
Terphenyl-d14
Concen: 54.118 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:244 Resp: 837874

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.5	8.6	13.0

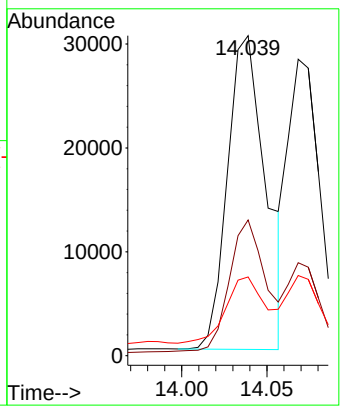




#81
Benzo(a)anthracene
Concen: 2.863 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

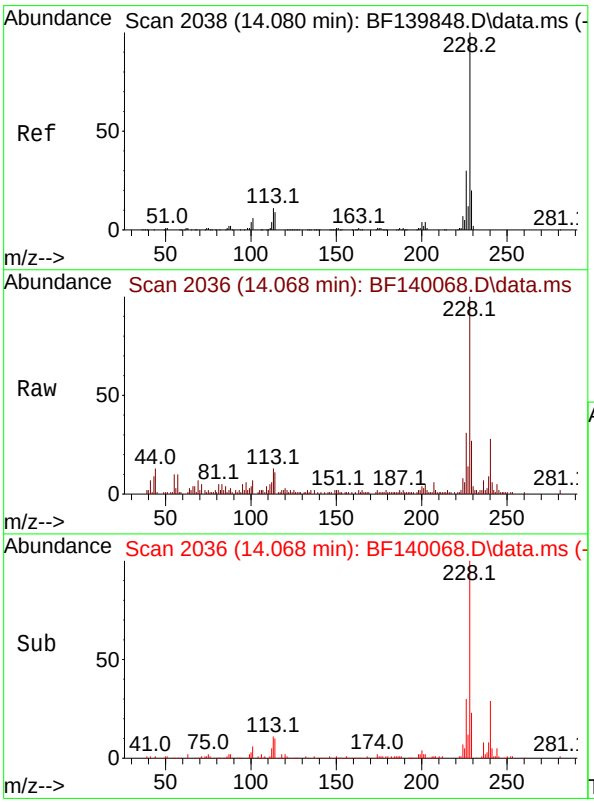
Tgt Ion:228 Resp: 4702

Ion	Ratio	Lower	Upper
228	100		
226	42.4	21.6	32.4#
229	24.6	16.1	24.1#



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

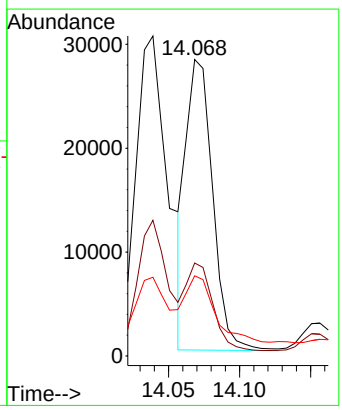
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

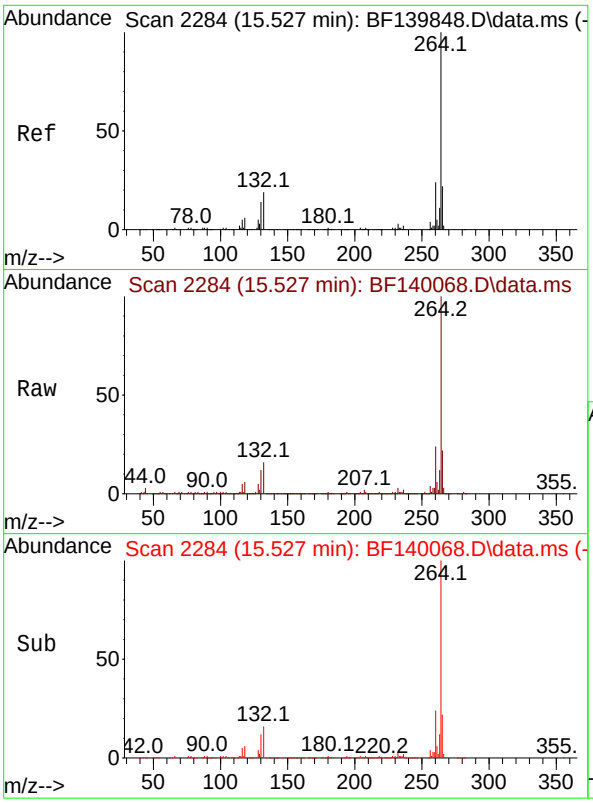


#83
Chrysene
Concen: 2.435 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:228 Resp: 36661

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.1	36.1
229	27.0	15.8	23.6#

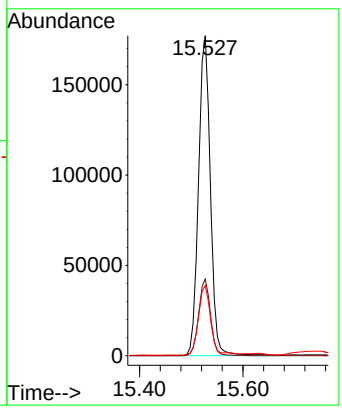




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:264 Resp: 28269

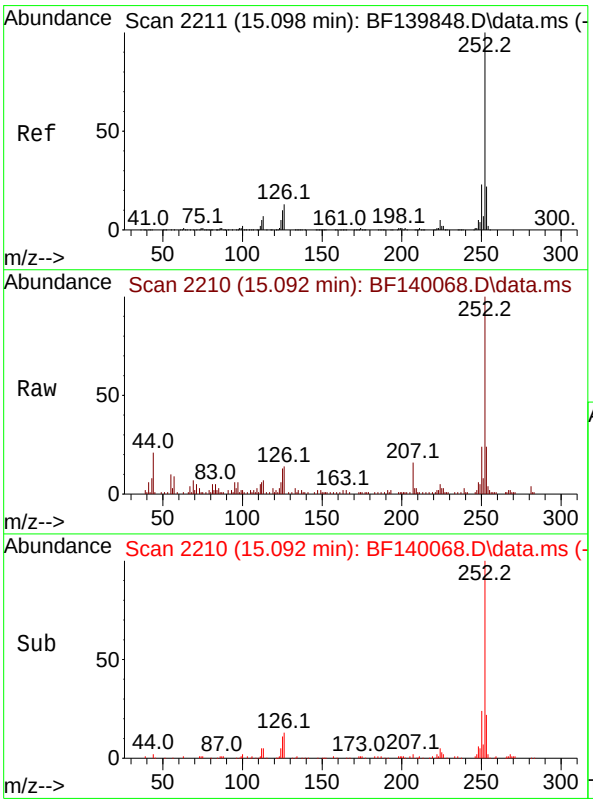
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.9	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

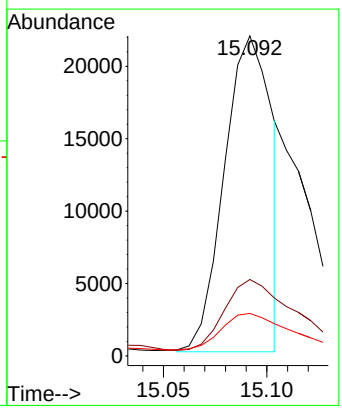
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

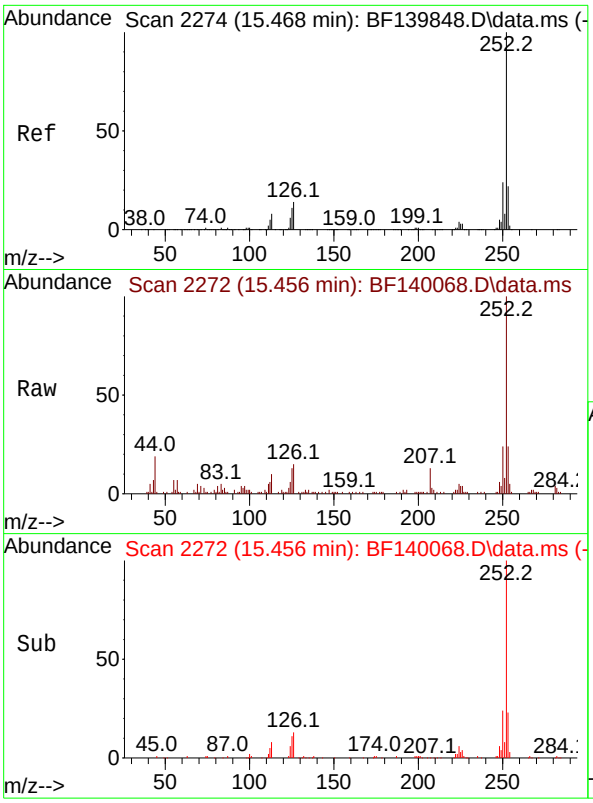


#88
Benzo(b)fluoranthene
Concen: 2.028 ng m
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:252 Resp: 34923

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.6	26.4
125	13.3	7.9	11.9#

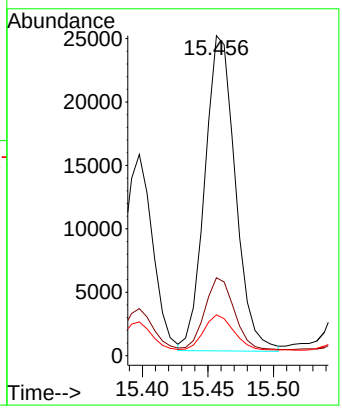




#90
Benzo(a)pyrene
Concen: 2.846 ng
RT: 15.456 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140068.D
Acq: 26 Oct 2024 19:09

Tgt Ion:252 Resp: 4033

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.3	25.9
125	12.7	8.7	13.1



Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

Sample Results: **BF140068.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140068.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	11	18	26	rVB	1641864	2687905	89.07%	9.485%
2	3.998	317	324	331	rBV	63435	98658	3.27%	0.348%
3	5.116	505	514	521	rVB	133707	201982	6.69%	0.713%
4	5.504	573	580	585	rBV	2047239	2749407	91.10%	9.702%
5	6.504	743	750	763	rBV	1946388	2849995	94.44%	10.057%
6	6.886	810	815	820	rVB	708953	864159	28.63%	3.050%
7	7.275	876	881	887	rBV	25157	36236	1.20%	0.128%
8	7.445	902	910	915	rBV	1328779	1775839	58.84%	6.267%
9	7.698	949	953	959	rVB	67990	82701	2.74%	0.292%
10	8.169	1027	1033	1040	rBV	924185	1211624	40.15%	4.276%
11	8.380	1063	1069	1075	rVB2	24745	34967	1.16%	0.123%
12	9.245	1209	1216	1226	rBV	2234736	3017894	100.00%	10.650%
13	9.322	1226	1229	1237	rVB4	18812	34858	1.16%	0.123%
14	9.580	1265	1273	1279	rBV2	26199	49879	1.65%	0.176%
15	9.698	1290	1293	1302	rVB	22561	41847	1.39%	0.148%
16	9.780	1303	1307	1312	rBV	37162	53721	1.78%	0.190%
17	9.922	1325	1331	1335	rBV	1018088	1319688	43.73%	4.657%
18	9.957	1335	1337	1345	rVB	65713	83081	2.75%	0.293%
19	10.122	1361	1365	1369	rBV2	30246	40280	1.33%	0.142%
20	10.163	1369	1372	1377	rVB	24922	31095	1.03%	0.110%
21	10.239	1380	1385	1387	rBV2	34979	52420	1.74%	0.185%
22	10.327	1396	1400	1406	rVB3	32942	62378	2.07%	0.220%
23	10.522	1429	1433	1437	rBV3	20444	38199	1.27%	0.135%
24	10.580	1440	1443	1446	rVV2	29406	41511	1.38%	0.146%
25	10.633	1448	1452	1459	rVB	211518	274371	9.09%	0.968%
26	10.710	1459	1465	1476	rBV	1423896	1882862	62.39%	6.644%
27	10.833	1482	1486	1493	rVB3	41108	66408	2.20%	0.234%
28	11.016	1513	1517	1520	rBV2	28807	40281	1.33%	0.142%
29	11.169	1535	1543	1547	rBV6	17786	44693	1.48%	0.158%
30	11.304	1563	1566	1572	rVB3	29949	45745	1.52%	0.161%
31	11.410	1579	1584	1592	rBV	975380	1357323	44.98%	4.790%
32	11.480	1592	1596	1600	rVB2	74555	100446	3.33%	0.354%
33	11.933	1665	1673	1678	rBV2	196125	395396	13.10%	1.395%
34	11.986	1679	1682	1684	rVV2	57268	78465	2.60%	0.277%
35	12.021	1684	1688	1697	rVB	136566	286626	9.50%	1.011%
36	12.357	1739	1745	1748	rBV2	44931	77532	2.57%	0.274%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.463	1759	1763	1766	rBV	59972	80273	2.66%	0.283%
38	12.498	1766	1769	1774	rVB2	48594	75083	2.49%	0.265%
39	12.551	1775	1778	1786	rVB4	31090	64965	2.15%	0.229%
40	12.621	1786	1790	1794	rBV	156975	205253	6.80%	0.724%
41	12.663	1794	1797	1802	rVV	134957	164897	5.46%	0.582%
42	12.715	1803	1806	1813	rVB	50459	71398	2.37%	0.252%
43	12.851	1824	1829	1835	rVB	167839	240302	7.96%	0.848%
44	12.992	1848	1853	1861	rVB	1684517	2188429	72.52%	7.723%
45	13.068	1862	1866	1872	rBV2	30171	51842	1.72%	0.183%
46	13.245	1893	1896	1899	rVB	29233	31294	1.04%	0.110%
47	13.280	1899	1902	1910	rVB2	34345	49215	1.63%	0.174%
48	13.892	2002	2006	2014	rVB	53178	98021	3.25%	0.346%
49	14.045	2026	2032	2044	rBV2	586496	926845	30.71%	3.271%
50	15.092	2205	2210	2219	rBV	53684	123912	4.11%	0.437%
51	15.398	2258	2262	2267	rVV	37932	56790	1.88%	0.200%
52	15.456	2268	2272	2278	rVV	61783	94475	3.13%	0.333%
53	15.527	2278	2284	2296	rVB	467621	782883	25.94%	2.763%
54	17.009	2532	2536	2543	rBV2	14439	32326	1.07%	0.114%
55	17.286	2576	2583	2591	rVB3	49087	110459	3.66%	0.390%
56	17.856	2674	2680	2689	rVB2	32305	82251	2.73%	0.290%
57	18.109	2718	2723	2730	rBV7	12244	34133	1.13%	0.120%
58	18.227	2733	2743	2767	rVB4	125424	460872	15.27%	1.626%
59	18.468	2774	2784	2786	rBV7	78481	201119	6.66%	0.710%

Sum of corrected areas: 28337509

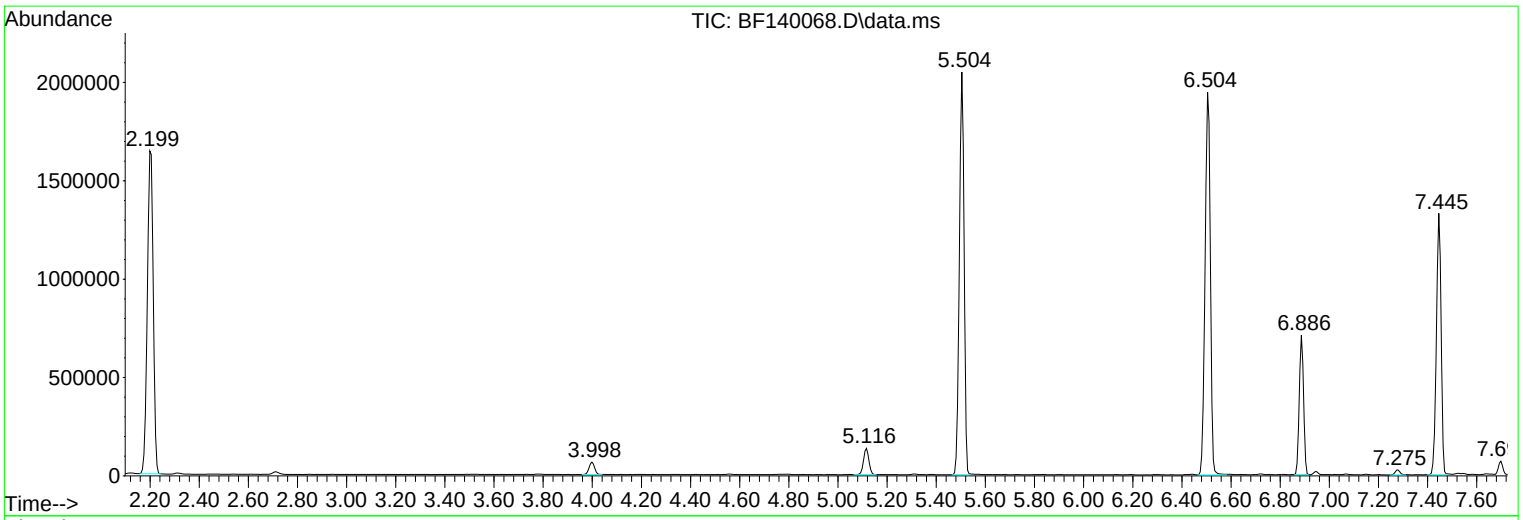
Sample Results: **BF140068.D**

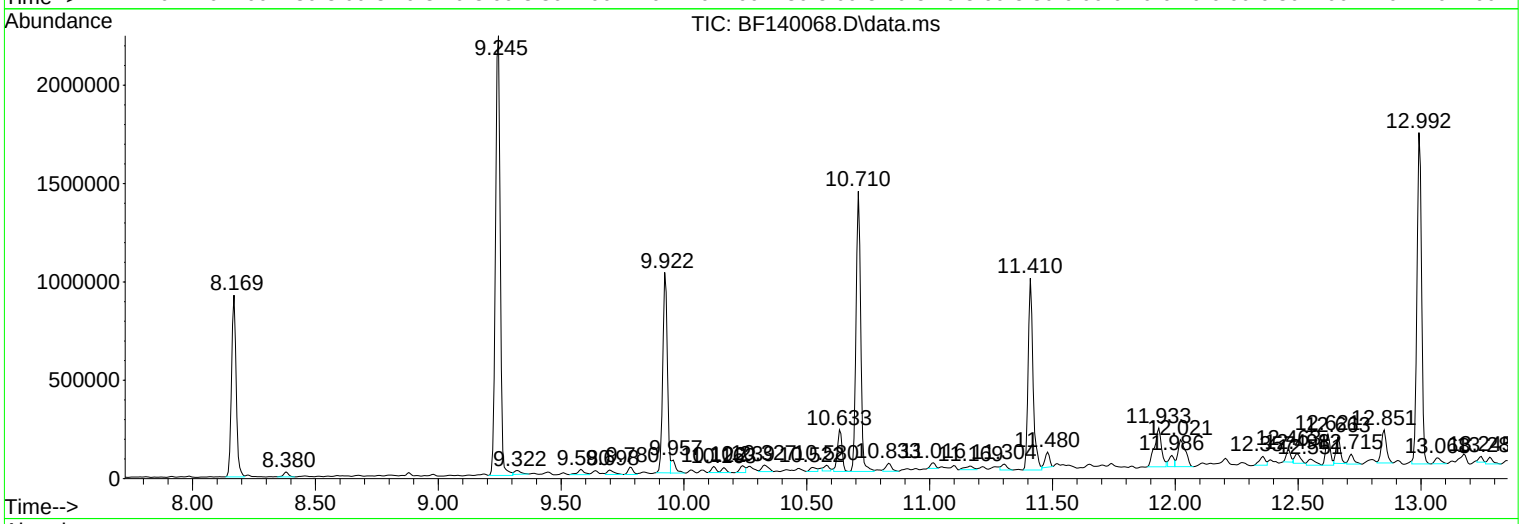
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

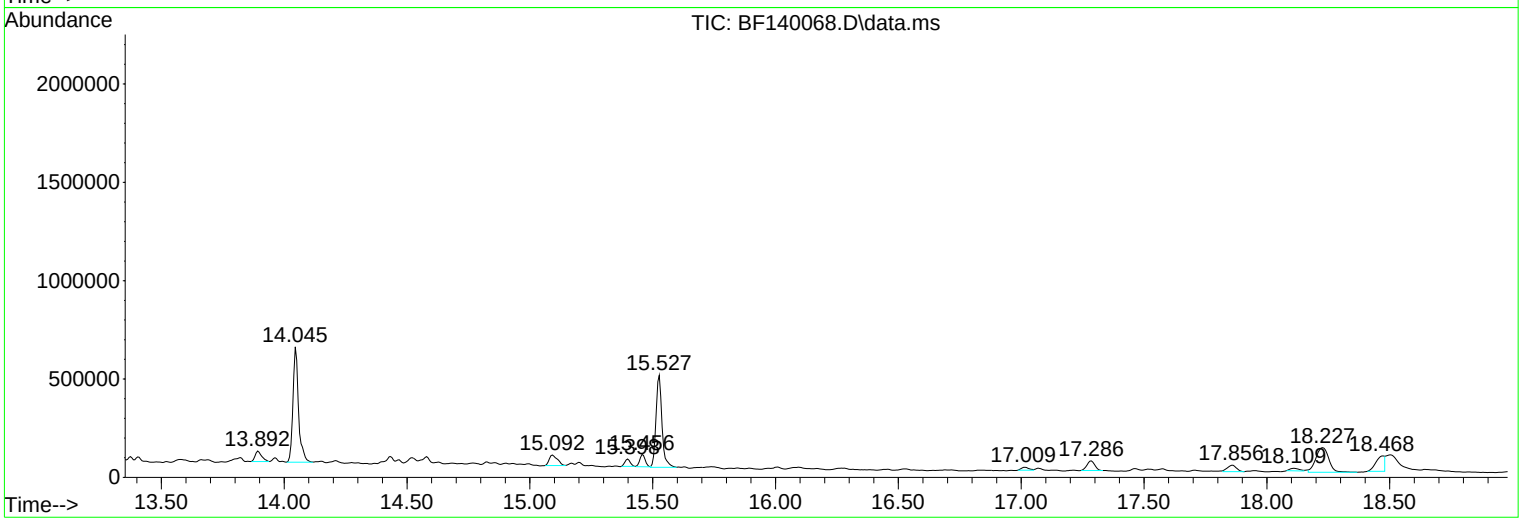
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ClientSampleId :
WB-303-TOP

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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\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

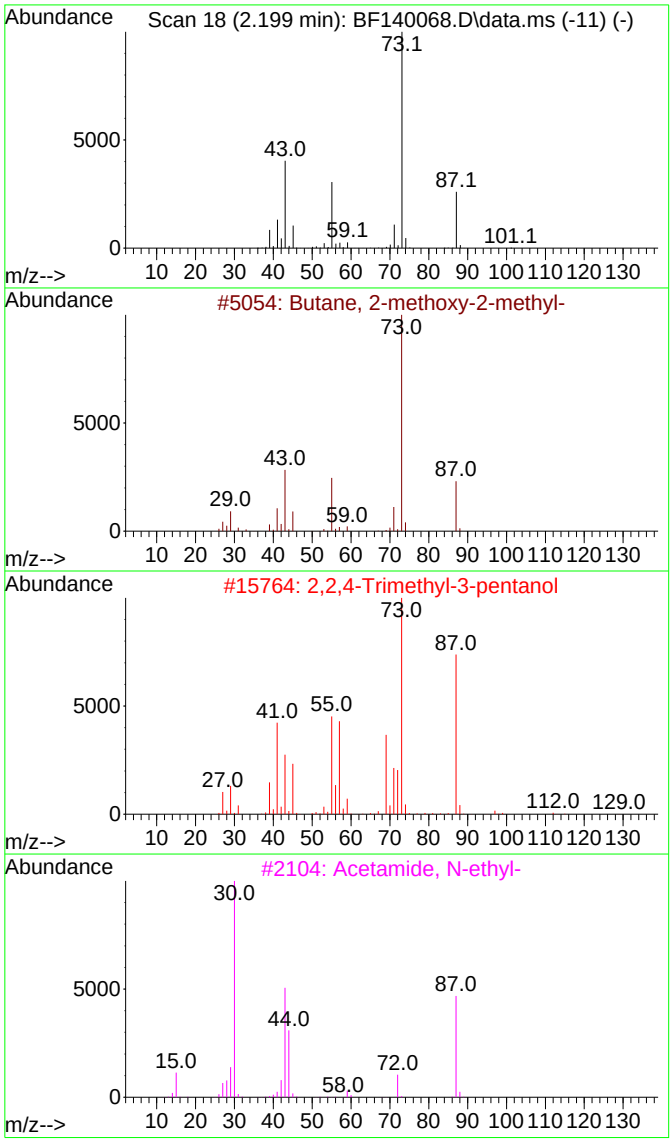
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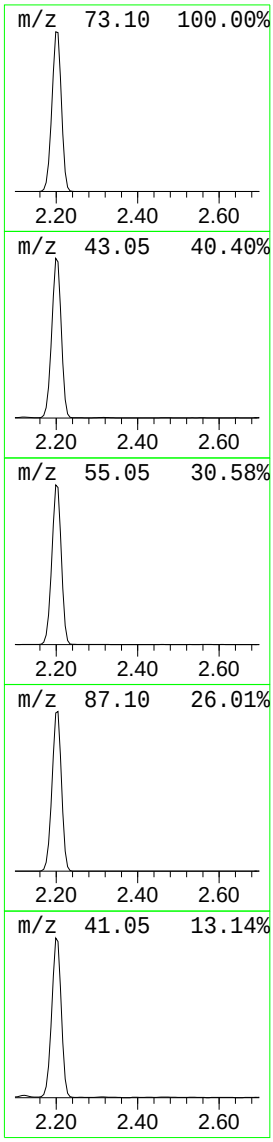
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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.199	62.21 ng	2687910	1,4-Dichlorobenzene-d4	6.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

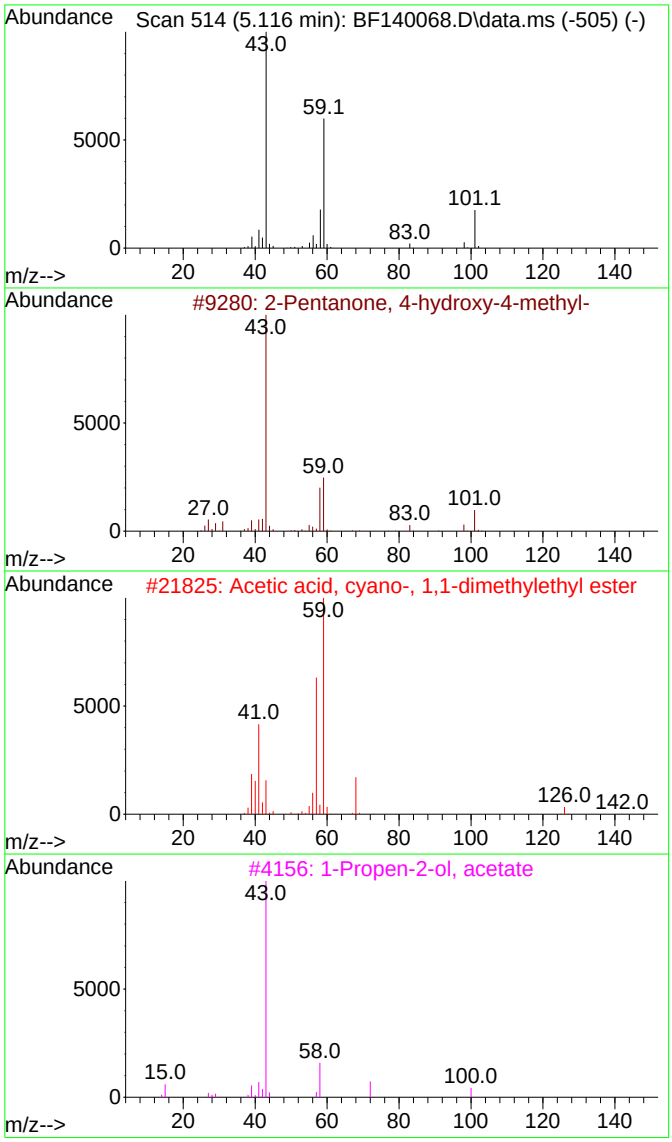
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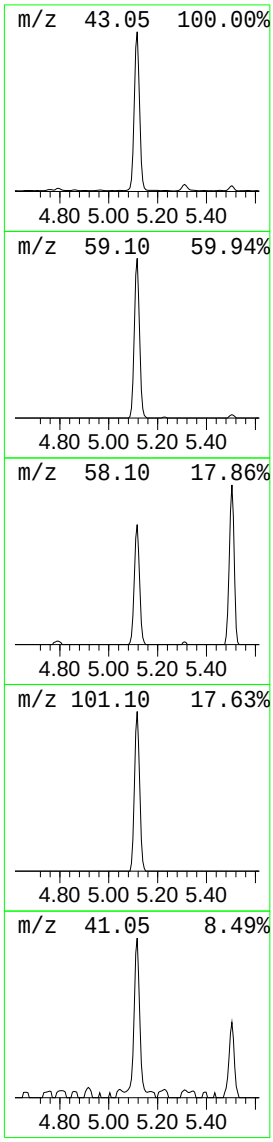
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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	4.67 ng	201982	1,4-Dichlorobenzene-d4	6.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On    : 26 Oct 2024  19:09
Operator  : RC/JU
Sample    : P4460-02
Misc      :
ALS Vial  : 20   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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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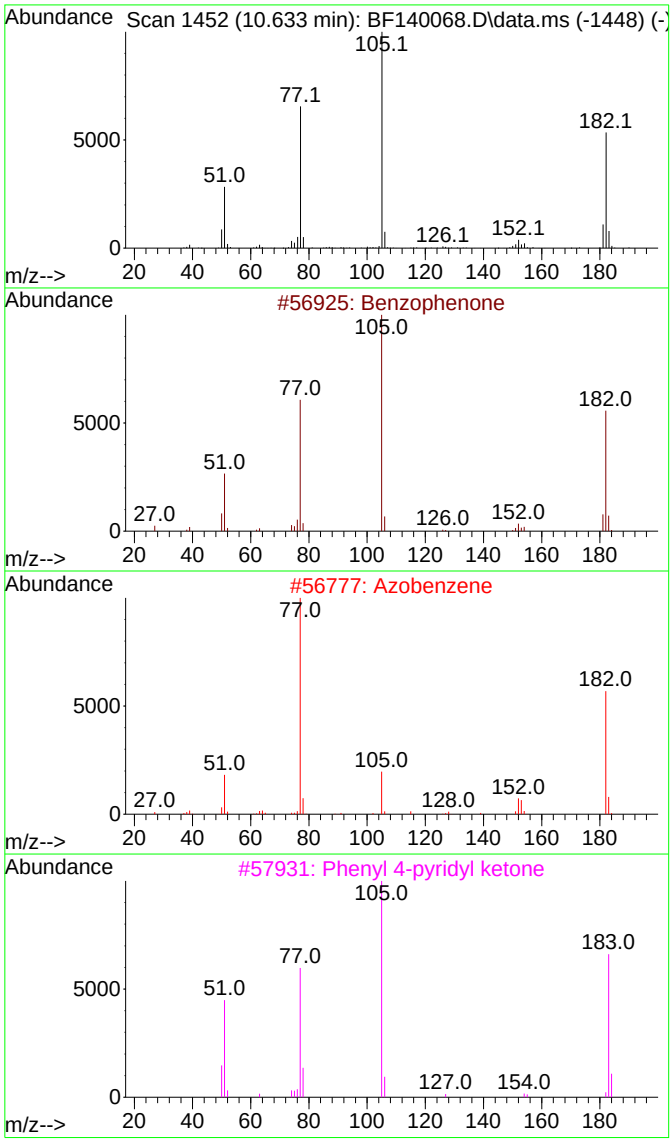
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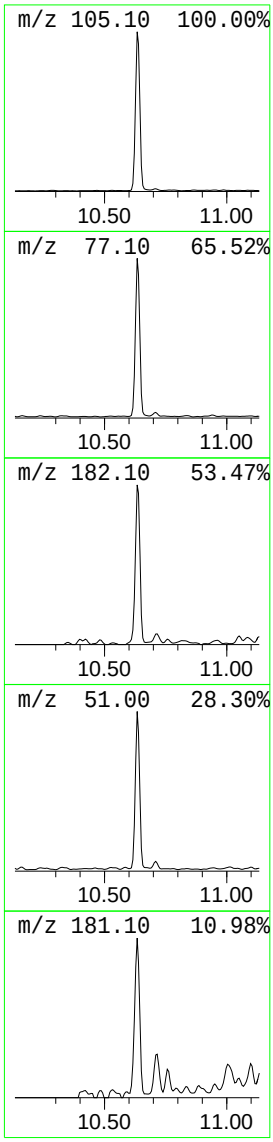
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Peak Number 4 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	4.16 ng	274371	Acenaphthene-d10	9.922

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	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	49
4	Benzoylformic acid	150	C8H6O3	000611-73-4	49
5	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On    : 26 Oct 2024  19:09
Operator  : RC/JU
Sample    : P4460-02
Misc      :
ALS Vial  : 20   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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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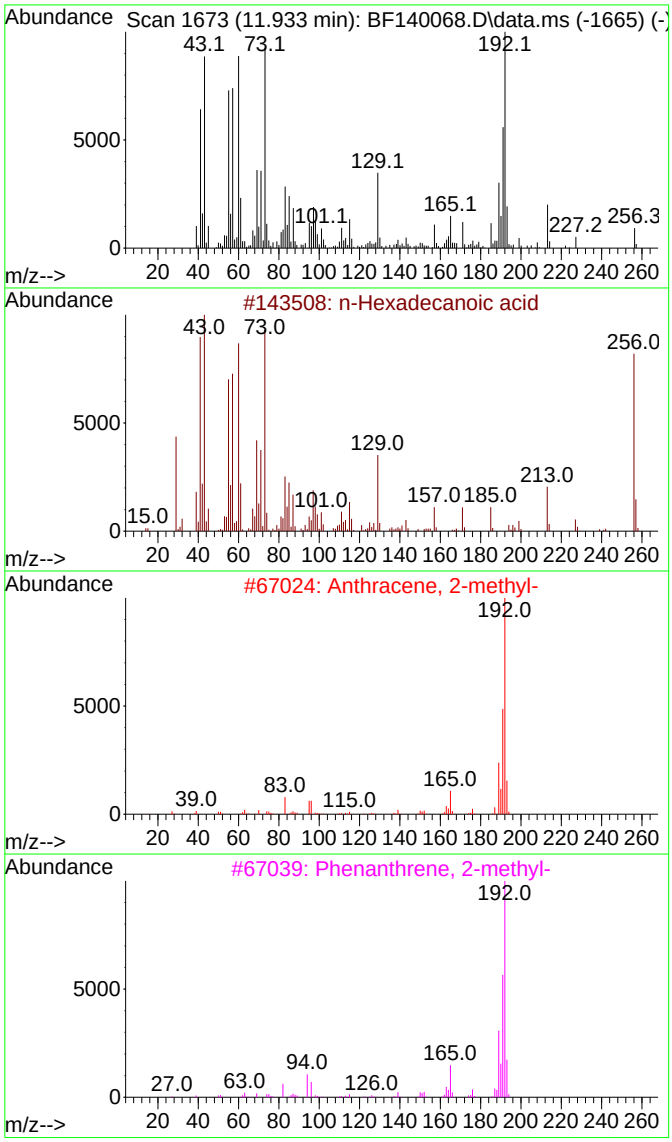
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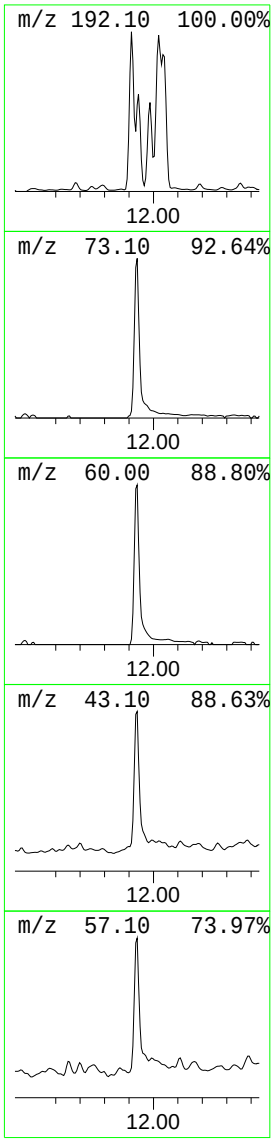
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Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	5.83 ng	395396	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-TOP

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

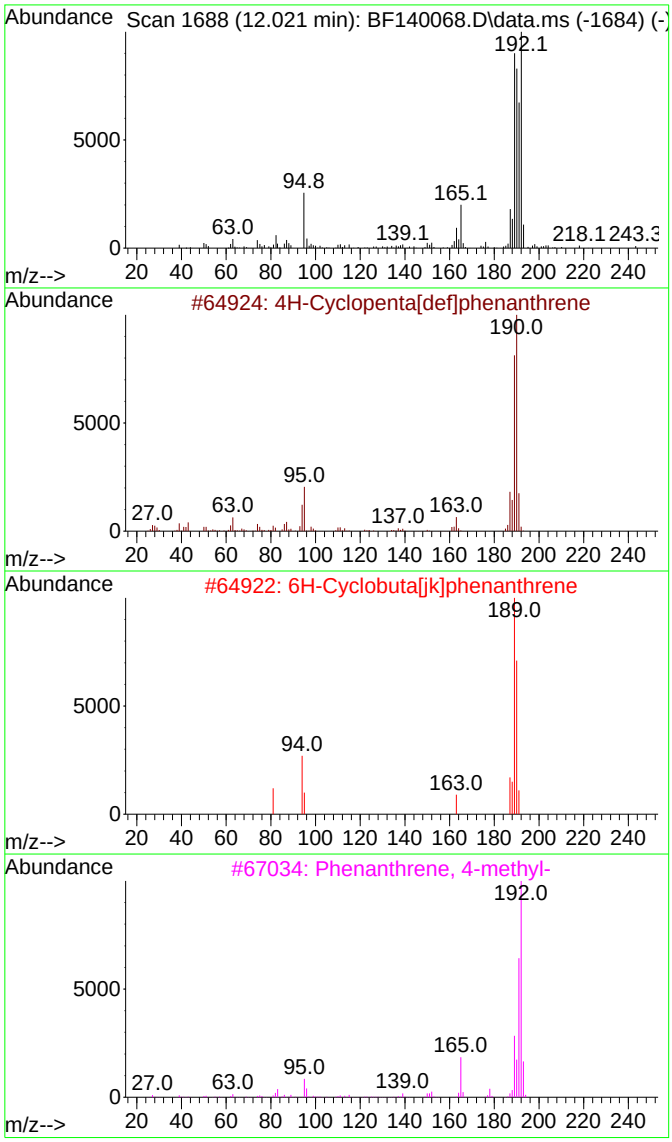
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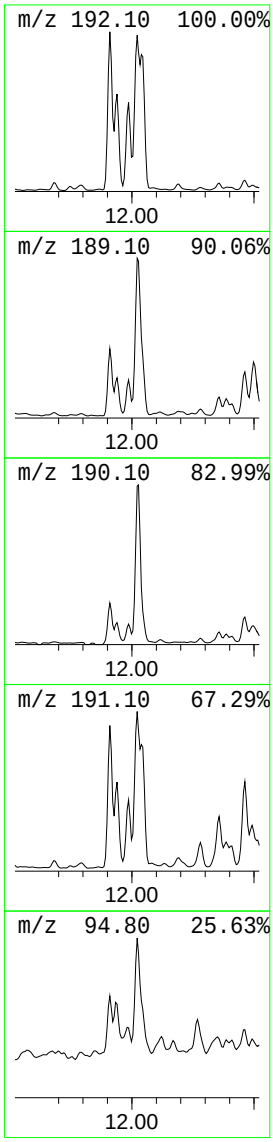
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Peak Number 6 unknown12.021 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.021	4.22 ng	286626	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	41
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

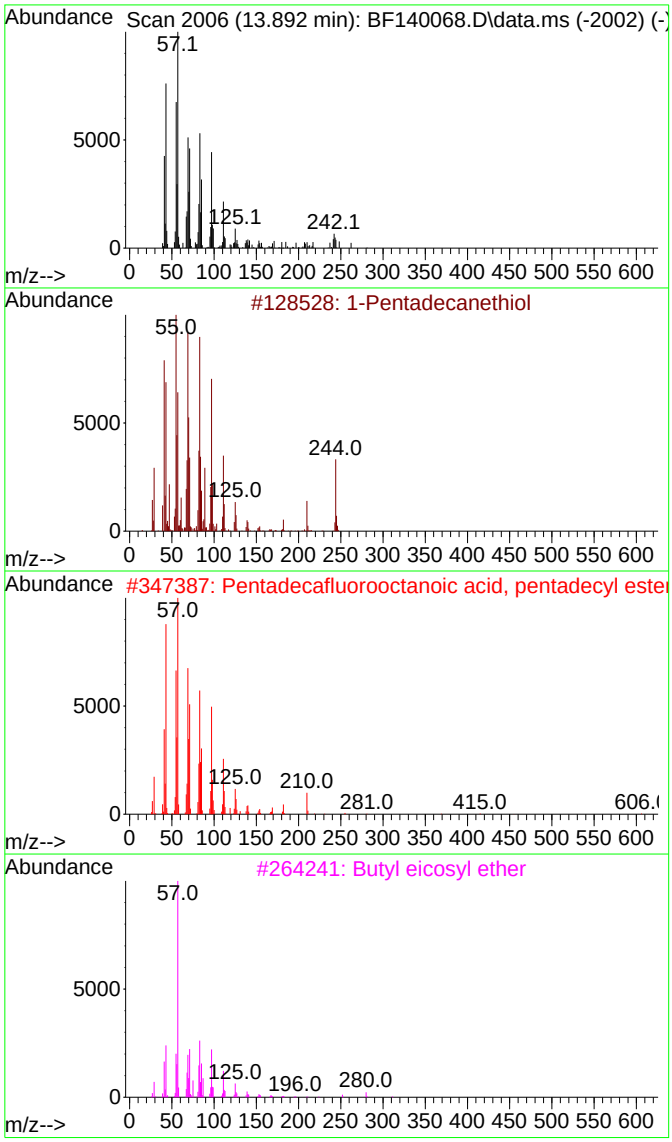
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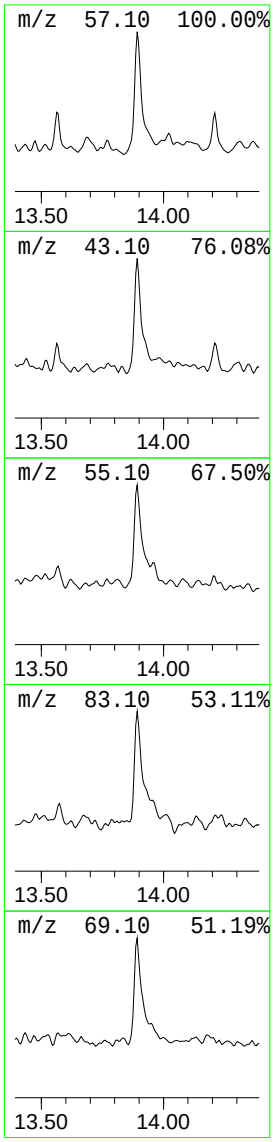
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Peak Number 7 1-Pentadecanethiol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	2.12 ng	98021	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentadecanethiol	244	C15H32S	025276-70-4	93
2	Pentadecafluorooctanoic acid, pe...	624	C23H31F15O2	1000406-04-5	91
3	Butyl eicosyl ether	354	C24H50O	1000406-40-7	91
4	Isobutyl tetradecyl carbonate	314	C19H38O3	959275-58-2	91
5	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On    : 26 Oct 2024  19:09
Operator  : RC/JU
Sample    : P4460-02
Misc      :
ALS Vial  : 20   Sample Multiplier: 1

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Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
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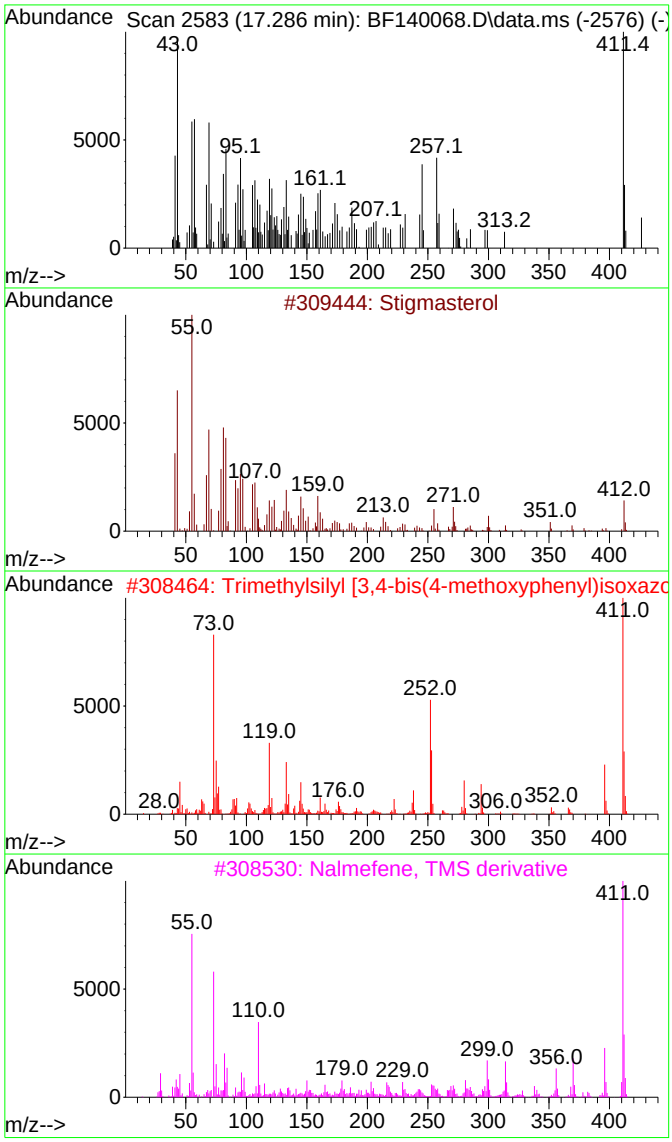
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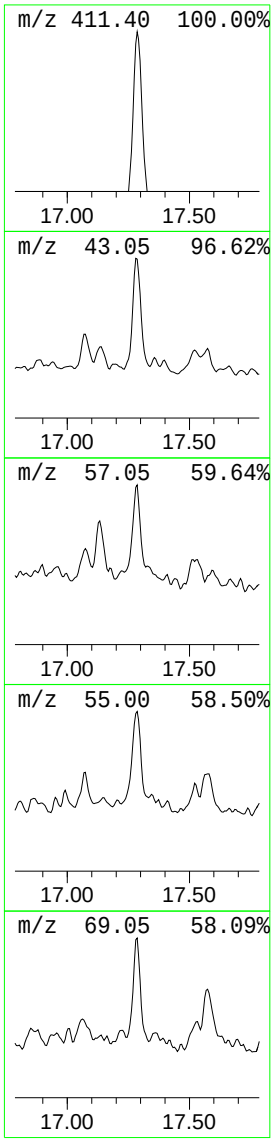
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Peak Number 8 unknown17.286 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.286	2.82 ng	110459	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmasterol	412	C29H48O	000083-48-7	46
2	Trimethylsilyl [3,4-bis(4-methox...	411	C22H25NO5Si	1000476-35-5	25
3	Nalmefene, TMS derivative	411	C24H33NO3Si	1000333-47-8	22
4	Silane, methylvinyl(hept-4-yloxy...	454	C28H58O2Si	1000416-98-6	22
5	Silane, methylvinyl(2,4-dimethyl...	454	C28H58O2Si	1010416-92-1	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

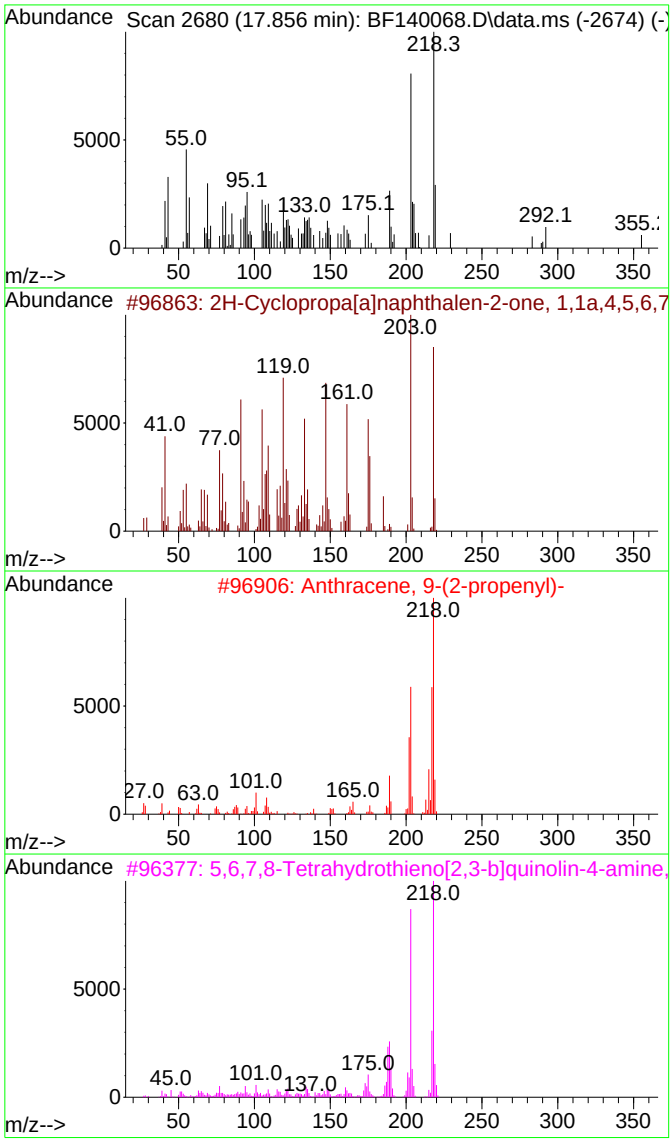
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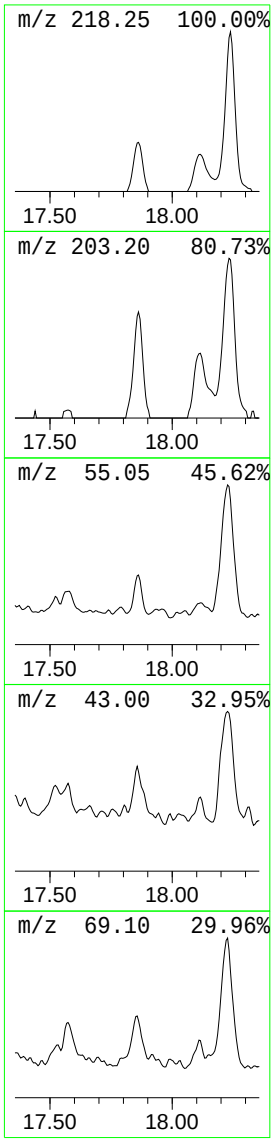
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Peak Number 9 2H-Cyclopropa[a]naphthalen-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.856	2.10 ng	82251	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Cyclopropa[a]naphthalen-2-one...	218	C15H22O	006831-17-0	76
2	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	52
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	218	C12H14N2S	134315-44-9	52
4	2-Chloro-5,6-dimethyl-1-(2-propy...	218	C12H11ClN2	080276-20-6	52
5	1,3-Dimethyl-4,6-bis(1-methyl-1-...	274	C16H26Si2	1000293-75-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

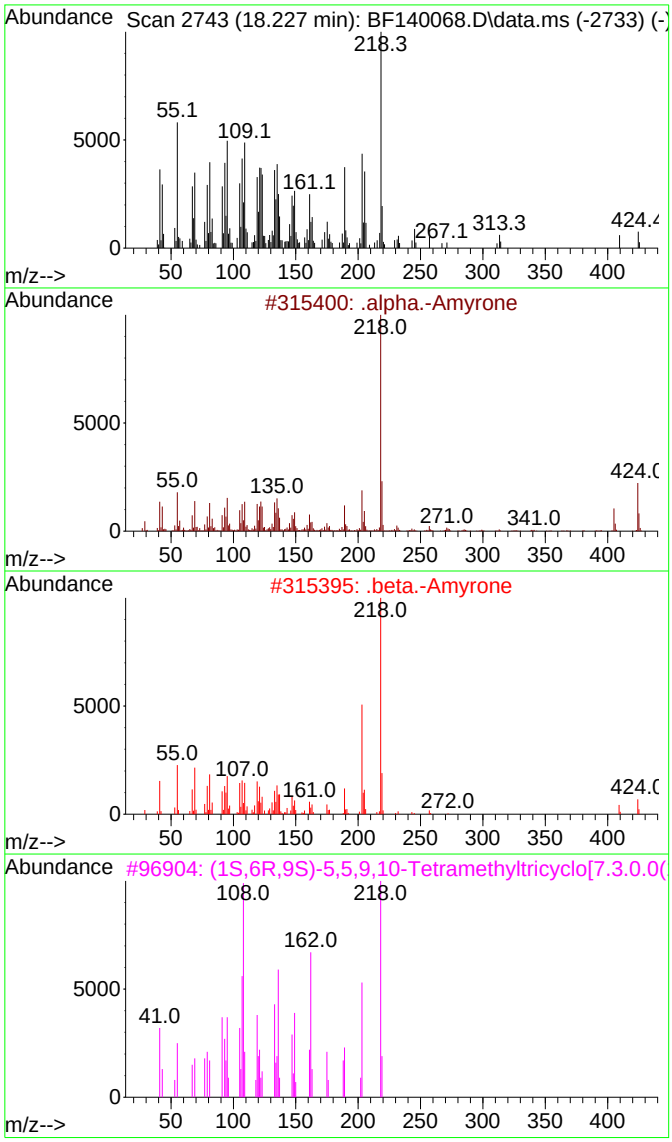
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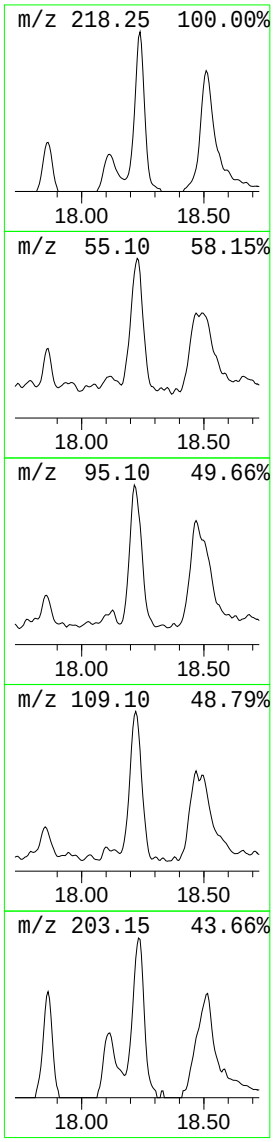
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Peak Number 10 .alpha.-Amyrone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.227	11.77 ng	460872	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Amyrone	424	C30H48O	000638-96-0	98
2	.beta.-Amyrone	424	C30H48O	000638-97-1	60
3	(1S,6R,9S)-5,5,9,10-Tetramethylt...	218	C16H26	1000298-97-8	53
4	5H-3,5a-Epoxynaphth[2,1-c]oxepin...	278	C18H30O2	001153-34-0	52
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	49





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On    : 26 Oct 2024  19:09
Operator  : RC/JU
Sample    : P4460-02
Misc      :
ALS Vial  : 20   Sample Multiplier: 1

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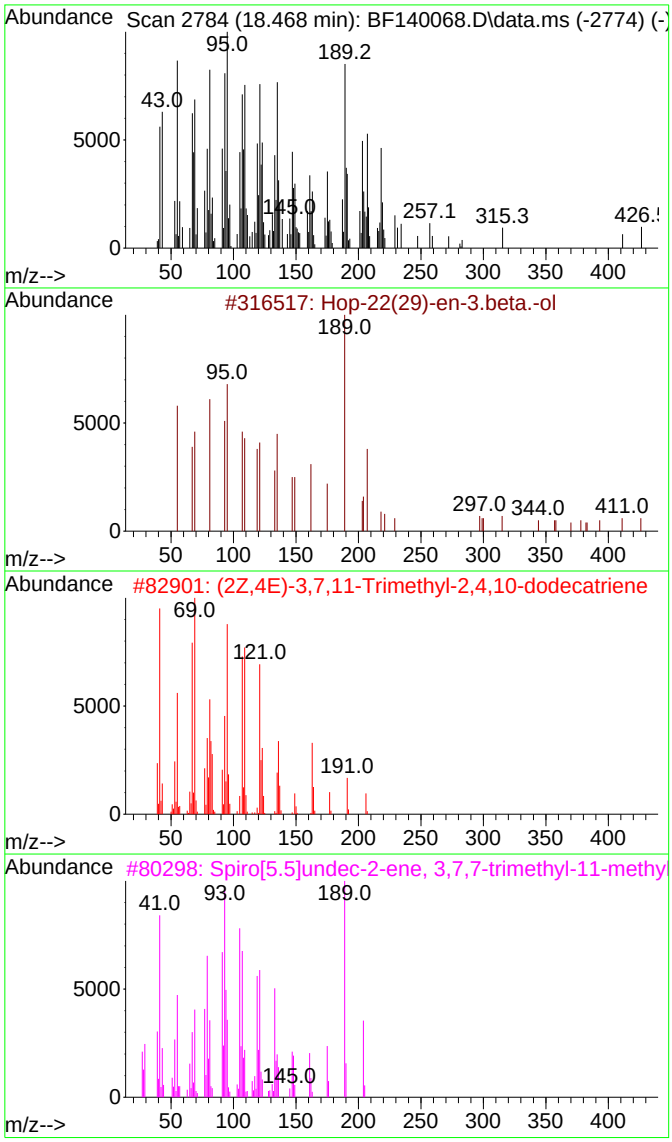
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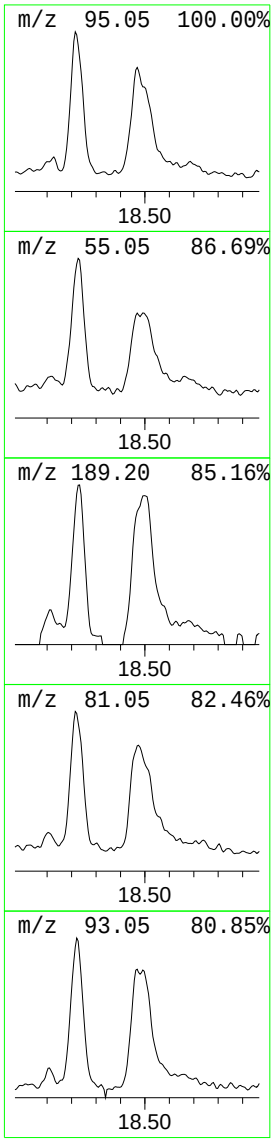
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Peak Number 11 Hop-22(29)-en-3.beta.-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.468	5.14 ng	201119	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	56
2	(2Z,4E)-3,7,11-Trimethyl-2,4,10-...	206	C15H26	172549-29-0	50
3	Spiro[5.5]undec-2-ene, 3,7,7-tri...	204	C15H24	018431-82-8	45
4	4,8-Methanoazulen-9-ol, decahydr...	222	C15H26O	004586-22-5	43
5	Thunbergol	290	C20H34O	025269-17-4	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140068.D
Acq On : 26 Oct 2024 19:09
Operator : RC/JU
Sample : P4460-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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...	2.199	62.2	ng	2687910	1	6.886	864159	20.0
2-Pentanone, 4-...	5.116	4.7	ng	201982	1	6.886	864159	20.0
Benzophenone	10.633	4.2	ng	274371	3	9.922	1319690	20.0
n-Hexadecanoic ...	11.933	5.8	ng	395396	4	11.410	1357320	20.0
unknown12.021	12.021	4.2	ng	286626	4	11.410	1357320	20.0
1-Pentadecanethiol	13.892	2.1	ng	98021	5	14.045	926845	20.0
unknown17.286	17.286	2.8	ng	110459	6	15.527	782883	20.0
2H-Cyclopropa[a...	17.856	2.1	ng	82251	6	15.527	782883	20.0
.alpha.-Amyrone	18.227	11.8	ng	460872	6	15.527	782883	20.0
Hop-22(29)-en-3...	18.468	5.1	ng	201119	6	15.527	782883	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Time: Oct 28 01:08:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

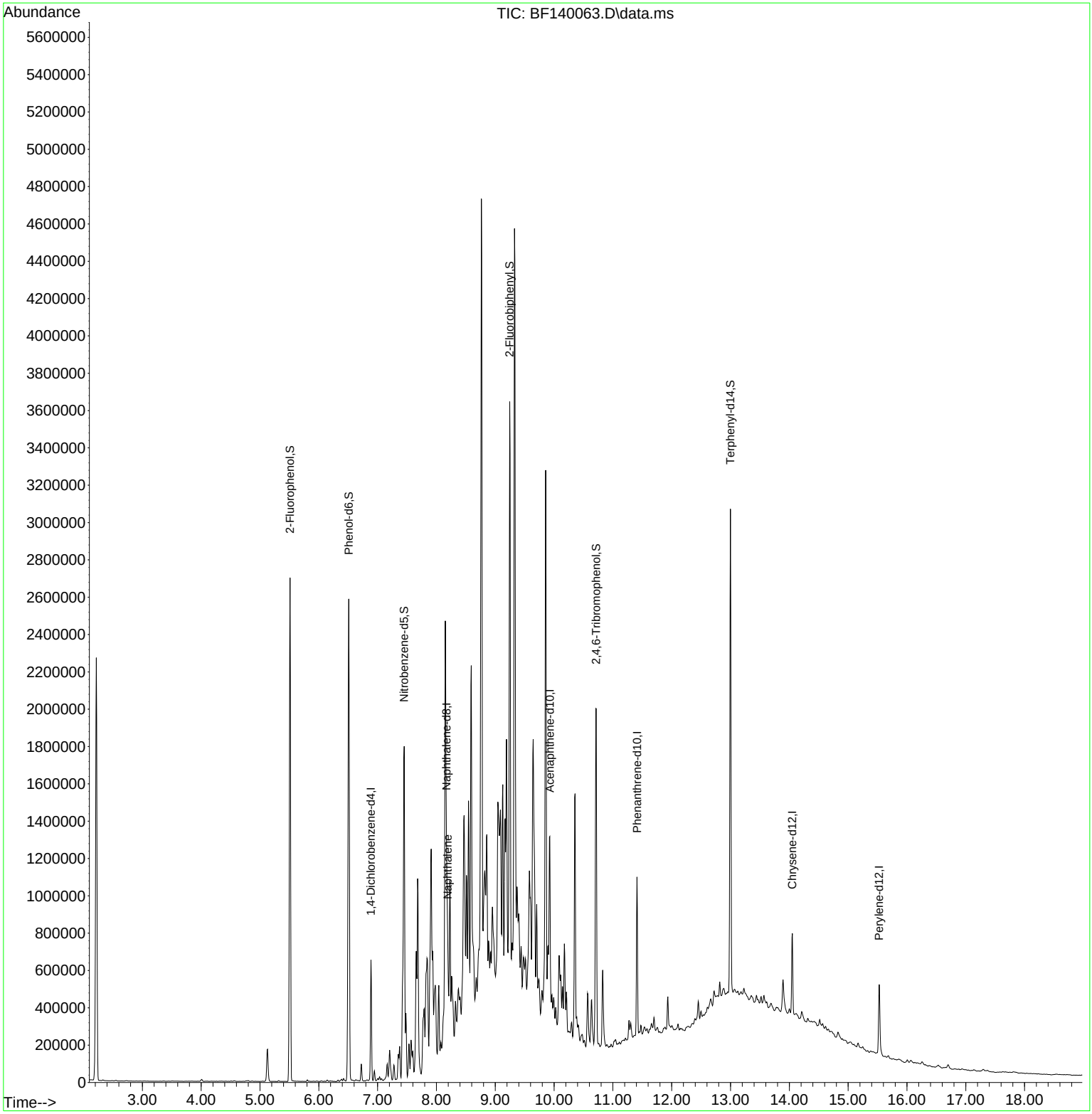
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	129197	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	476862	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	260201	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	444743	20.000	ng	0.00
76) Chrysene-d12	14.051	240	217594	20.000	ng	0.00
86) Perylene-d12	15.527	264	237376	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1049709	127.194	ng	0.01
7) Phenol-d6	6.510	99	1349554	126.259	ng	0.00
23) Nitrobenzene-d5	7.451	82	871333	101.271	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	348572	143.219	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1474289	93.641	ng	0.00
79) Terphenyl-d14	12.998	244	1342432	100.530	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.193	128	122370	4.976	ng	98

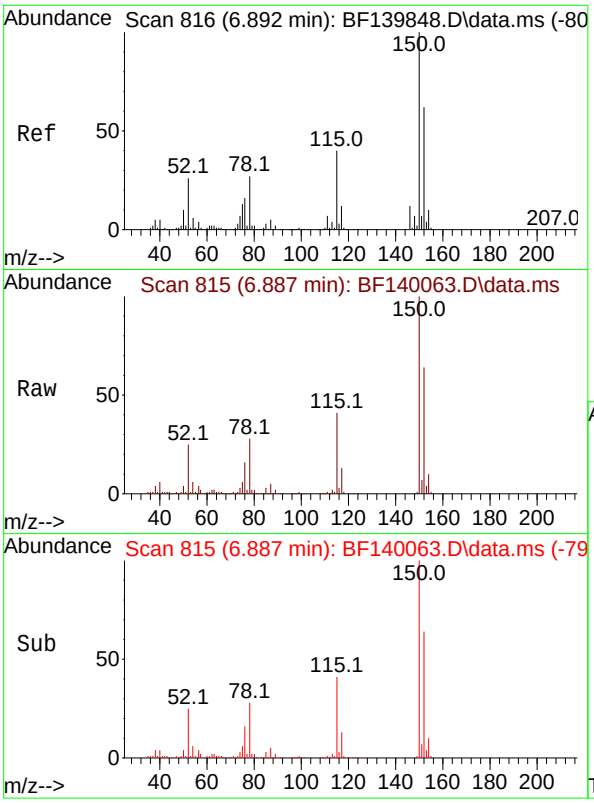
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Time: Oct 28 01:08:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



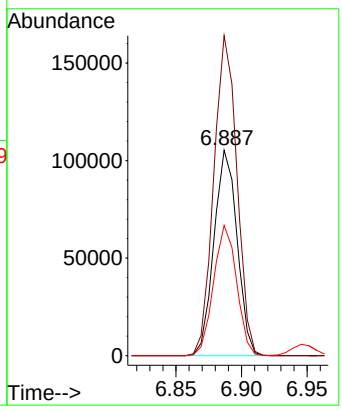


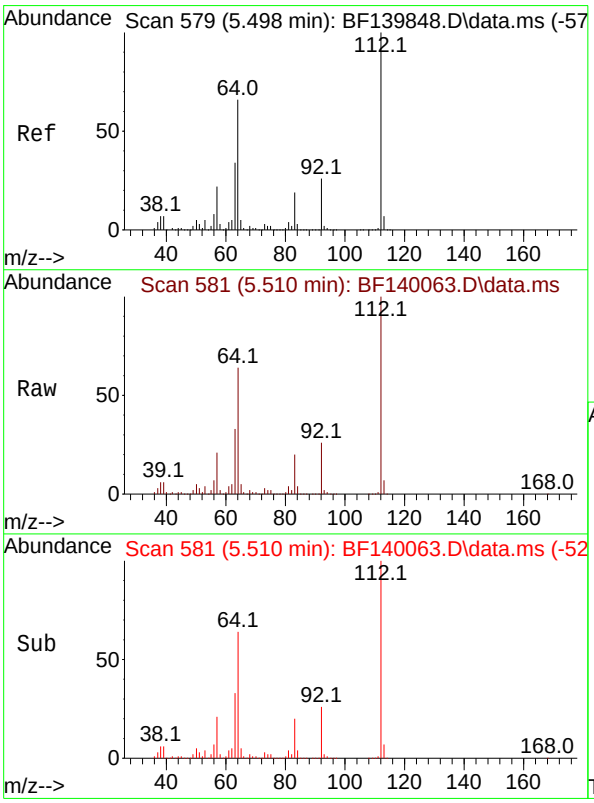
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:152 Resp: 129197

Ion	Ratio	Lower	Upper
152	100		
150	155.8	130.2	195.2
115	63.4	51.4	77.2

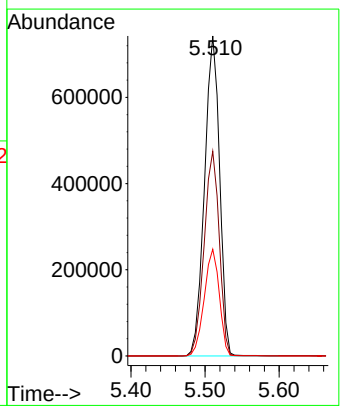


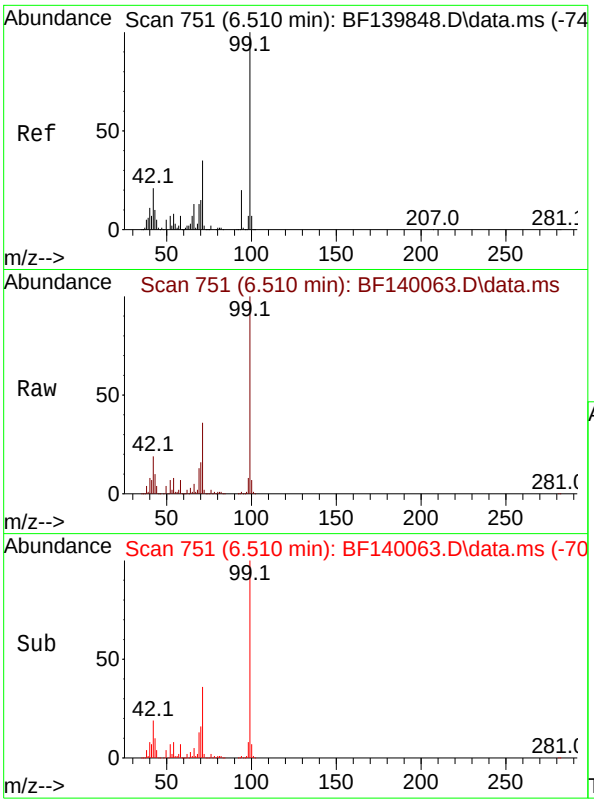


#5
2-Fluorophenol
Concen: 127.194 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion:112 Resp: 1049709

Ion	Ratio	Lower	Upper
112	100		
64	63.9	53.0	79.6
63	33.3	27.0	40.4



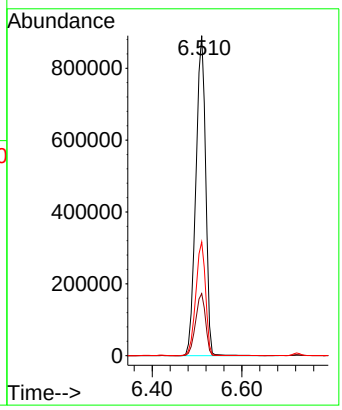


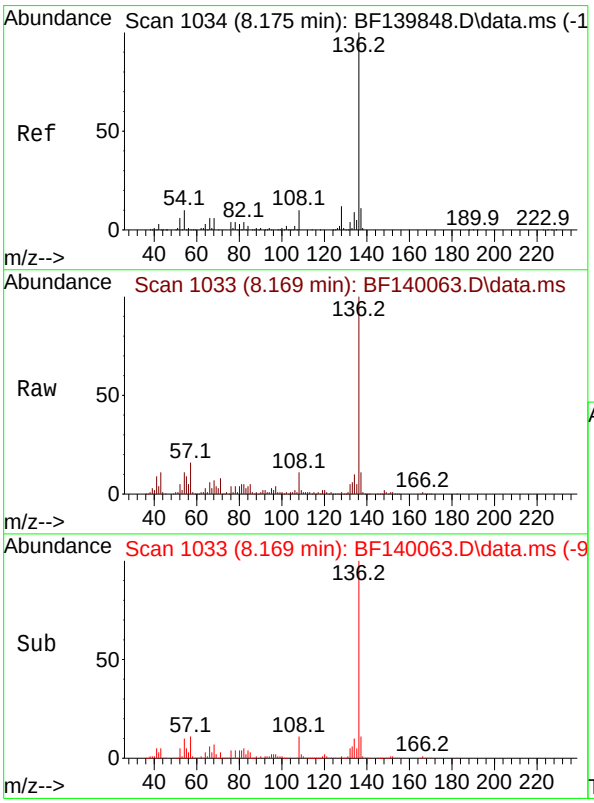
#7
Phenol-d6
Concen: 126.259 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion: 99 Resp: 1349554

Ion	Ratio	Lower	Upper
99	100		
42	19.4	16.7	25.1
71	35.6	27.7	41.5

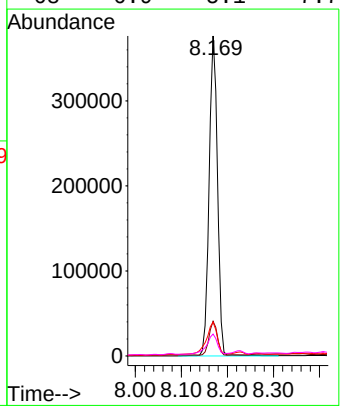


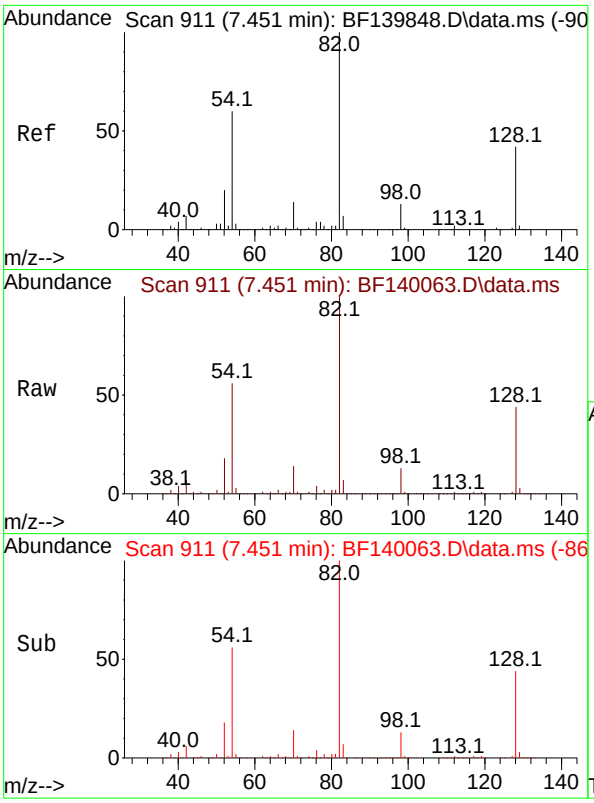


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion:136 Resp: 476862

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	10.5	8.4	12.6
68	6.9	5.1	7.7



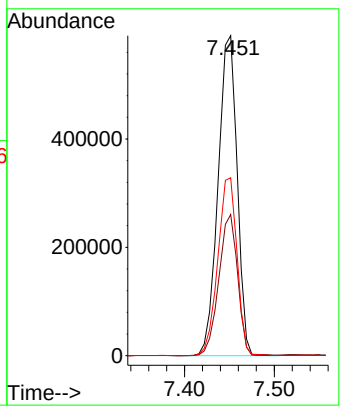


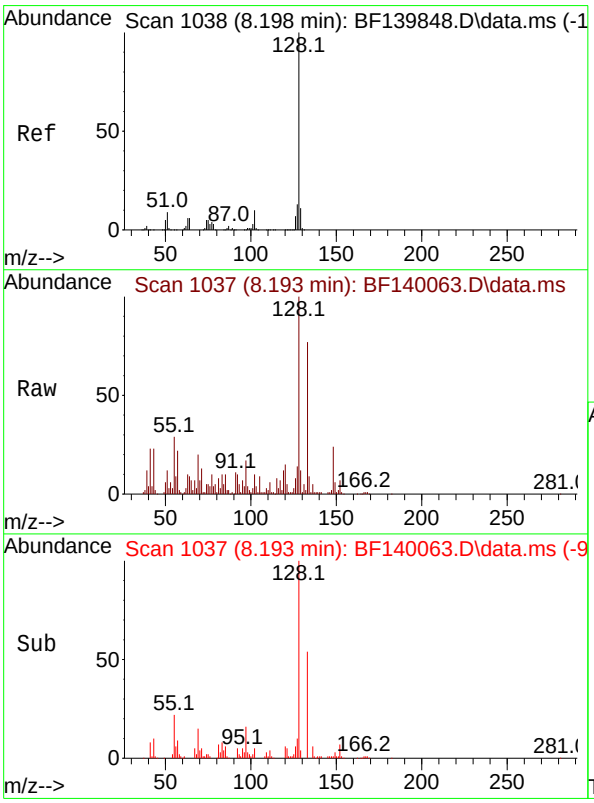
#23
Nitrobenzene-d5
Concen: 101.271 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion: 82 Resp: 871333

Ion	Ratio	Lower	Upper
82	100		
128	44.1	33.4	50.0
54	55.6	47.8	71.8

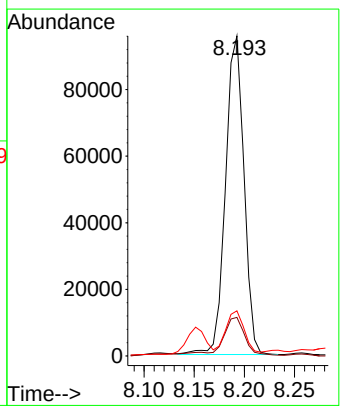


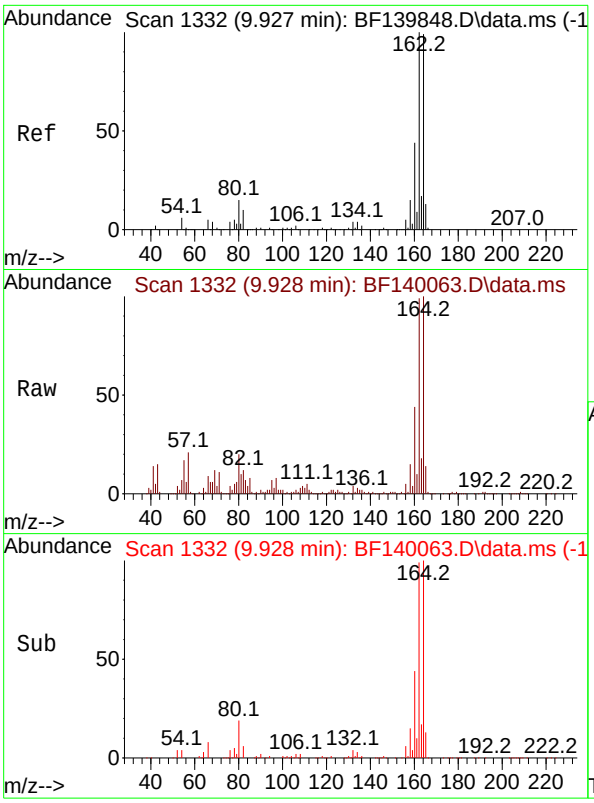


#31
Naphthalene
Concen: 4.976 ng
RT: 8.193 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion:128 Resp: 122370

Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.9	13.3
127	14.1	10.6	16.0



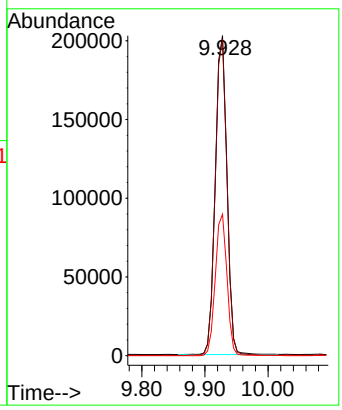


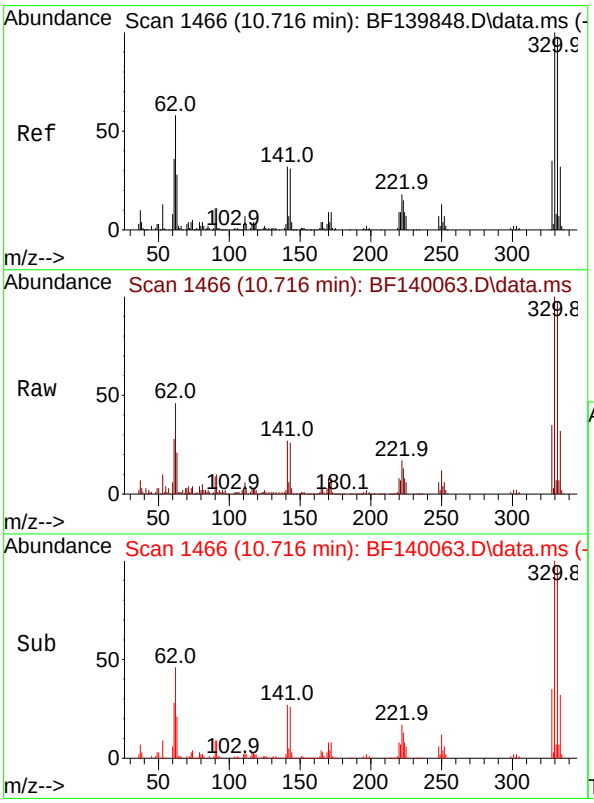
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:164 Resp: 260201

Ion	Ratio	Lower	Upper
164	100		
162	98.8	81.0	121.4
160	44.2	35.4	53.0

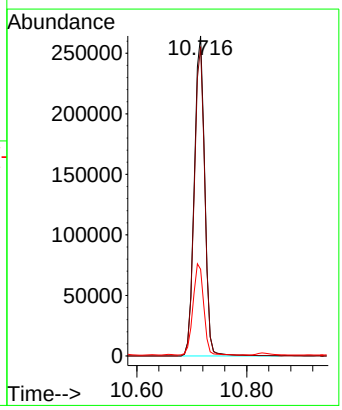


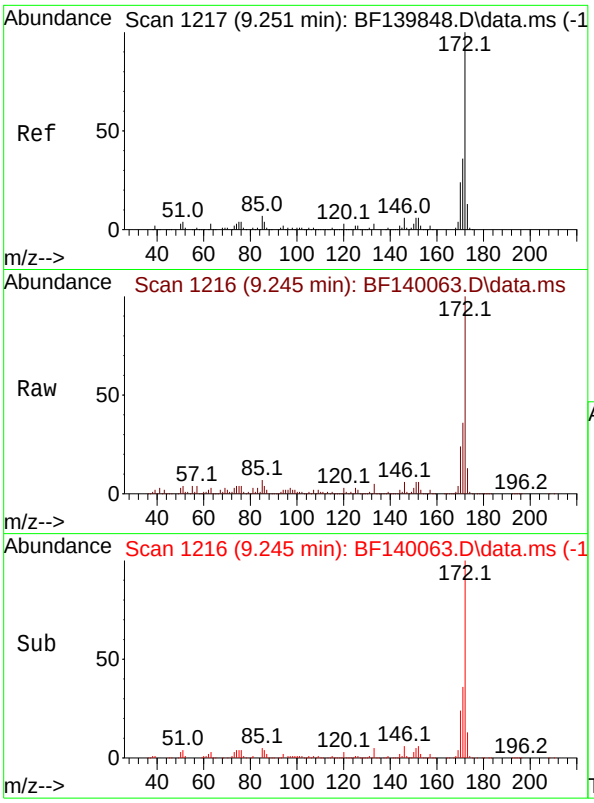


#42
2,4,6-Tribromophenol
Concen: 143.219 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion:330 Resp: 348572

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.1	117.1
141	29.1	26.6	39.8



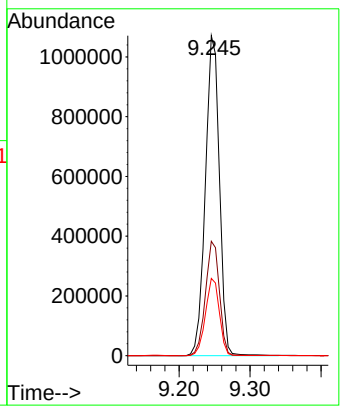


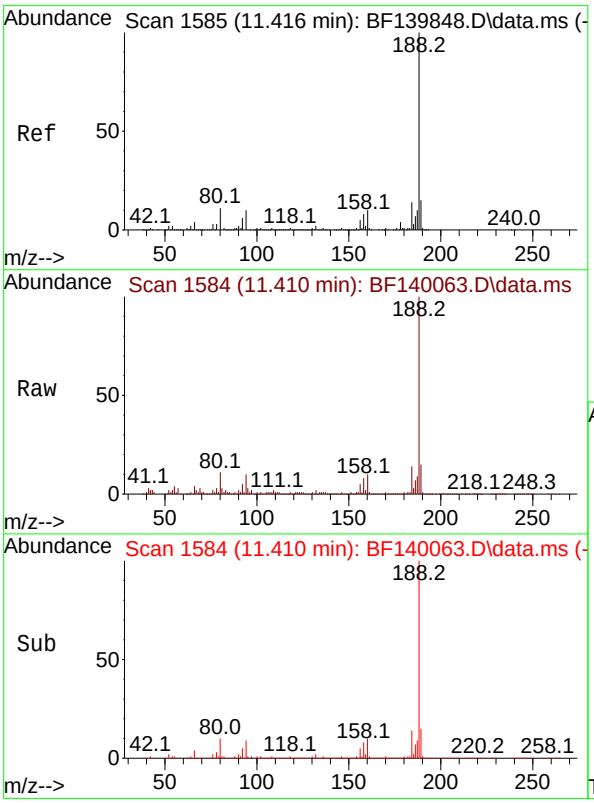
#45
2-Fluorobiphenyl
Concen: 93.641 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:172 Resp: 1474289

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.2	19.1	28.7

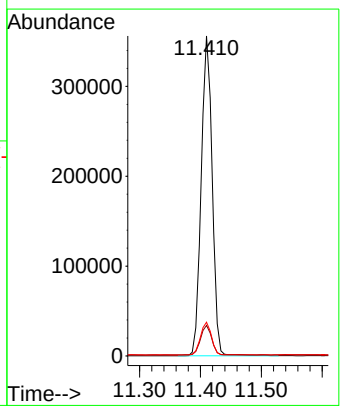


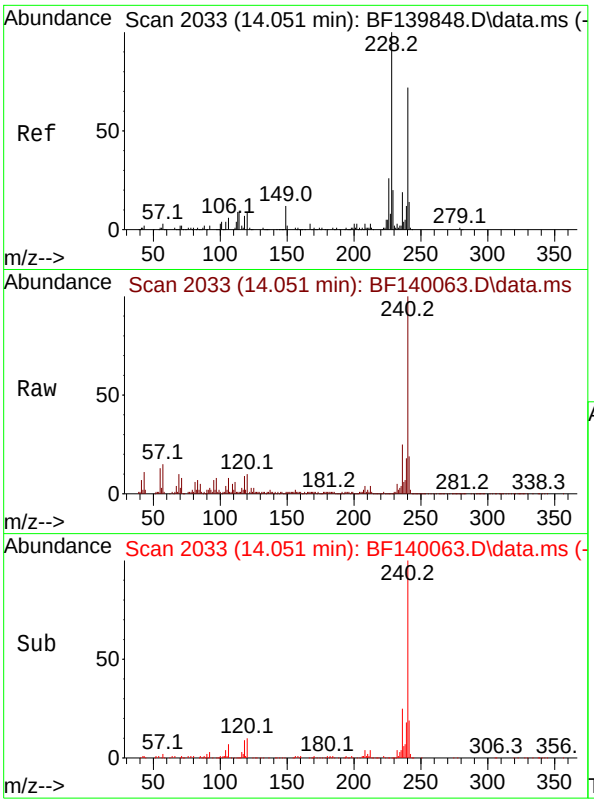


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion:188 Resp: 444743

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.9	11.9
80	10.5	9.0	13.4



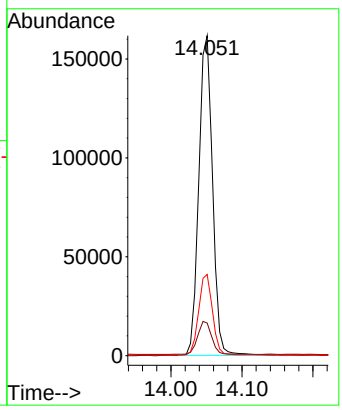


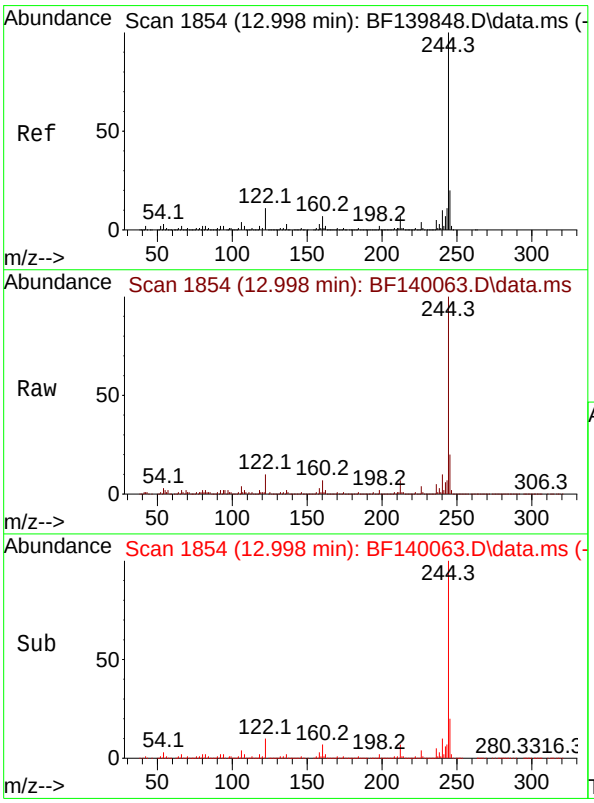
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:240 Resp: 217594

Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.4	14.2
236	25.4	20.9	31.3

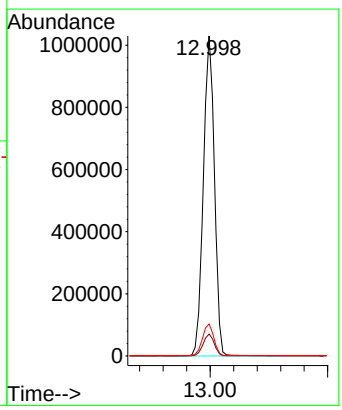


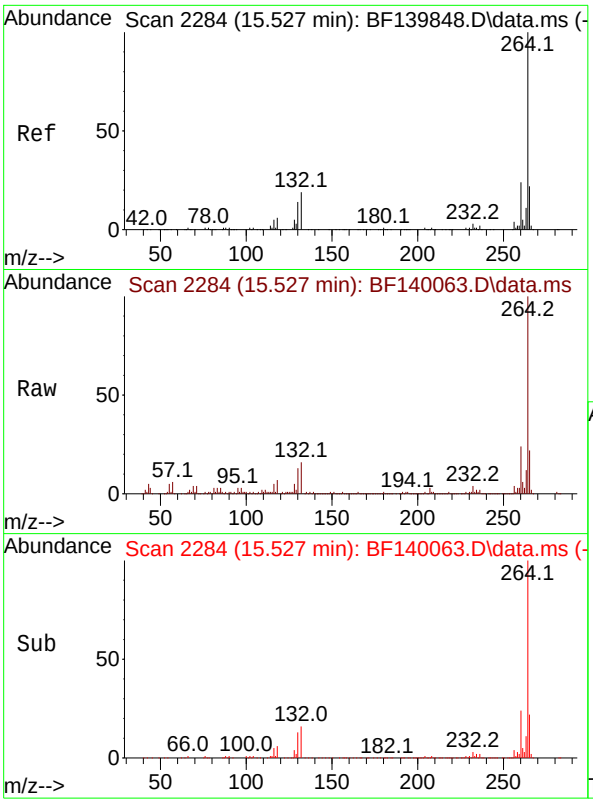


#79
Terphenyl-d14
Concen: 100.530 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Tgt Ion:244 Resp: 1342432

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.0	8.6	13.0



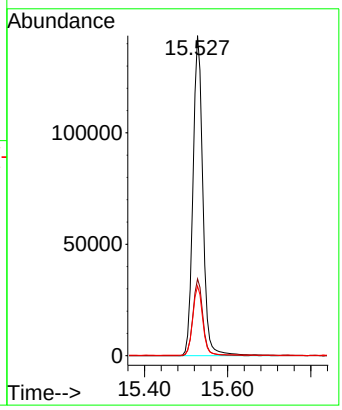


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140063.D
Acq: 26 Oct 2024 16:48

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:264 Resp: 237376

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.7	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140063.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.216	12	21	29	rVB	2264683	3690545	56.07%	4.074%
2	5.128	506	516	527	rVB	172362	297618	4.52%	0.329%
3	5.510	574	581	586	rBV	2698702	3815440	57.97%	4.212%
4	6.510	742	751	756	rBV	2583092	3938365	59.84%	4.348%
5	6.722	782	787	795	rVB	91507	115067	1.75%	0.127%
6	6.887	807	815	821	rVV	645871	811483	12.33%	0.896%
7	7.163	851	862	865	rBV2	87230	144868	2.20%	0.160%
8	7.204	865	869	877	rVB2	159915	275748	4.19%	0.304%
9	7.275	877	881	886	rBV2	79898	113603	1.73%	0.125%
10	7.351	889	894	896	rBV	134873	189934	2.89%	0.210%
11	7.375	896	898	902	rVB	167868	175576	2.67%	0.194%
12	7.451	902	911	914	rBV2	1775475	3194836	48.54%	3.527%
13	7.481	914	916	920	rVB	341078	369869	5.62%	0.408%
14	7.534	920	925	928	rBV3	176379	251744	3.83%	0.278%
15	7.569	928	931	934	rBV	154740	198440	3.02%	0.219%
16	7.598	934	936	939	rVB3	110881	112533	1.71%	0.124%
17	7.657	939	946	948	rBV	646999	1011972	15.38%	1.117%
18	7.681	948	950	960	rVB	1046453	1383367	21.02%	1.527%
19	7.793	960	969	971	rBV3	350029	835748	12.70%	0.923%
20	7.840	971	977	982	rVV4	530622	1329425	20.20%	1.468%
21	7.910	982	989	992	rVV4	1104720	2270232	34.49%	2.506%
22	7.981	996	1001	1007	rVB4	369094	833041	12.66%	0.920%
23	8.040	1007	1011	1015	rBV	366794	447184	6.79%	0.494%
24	8.151	1020	1030	1040	rBV4	2288541	5282279	80.26%	5.832%
25	8.228	1040	1043	1046	rVV	689975	798898	12.14%	0.882%
26	8.257	1046	1048	1056	rVB3	322920	597439	9.08%	0.660%
27	8.322	1056	1059	1063	rBV	188367	292439	4.44%	0.323%
28	8.375	1064	1068	1071	rBV3	159710	279672	4.25%	0.309%
29	8.469	1076	1084	1089	rBV4	1066547	2363528	35.91%	2.609%
30	8.510	1089	1091	1094	rVV2	703400	893973	13.58%	0.987%
31	8.545	1094	1097	1101	rVV	1090987	1493251	22.69%	1.649%
32	8.592	1101	1105	1115	rVB	1792704	3086280	46.89%	3.407%
33	8.722	1122	1127	1128	rBV2	227904	352657	5.36%	0.389%
34	8.763	1128	1134	1139	rVV	4214229	6581539	100.00%	7.266%
35	8.822	1139	1144	1147	rVV4	572584	1349531	20.50%	1.490%
36	8.857	1147	1150	1153	rVV	739570	988040	15.01%	1.091%

Sample Results: **BF140063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.887	1153	1155	1158	rVB4	148071	155142	2.36%	0.171%
38	8.951	1163	1166	1175	rVB5	372258	748260	11.37%	0.826%
39	9.045	1178	1182	1186	rBV2	848123	1708930	25.97%	1.887%
40	9.128	1193	1196	1199	rVB	916558	1043743	15.86%	1.152%
41	9.169	1199	1203	1204	rBV	733841	874818	13.29%	0.966%
42	9.192	1204	1207	1211	rVB	1144117	1359038	20.65%	1.500%
43	9.245	1211	1216	1221	rVB	2986717	4012101	60.96%	4.429%
44	9.328	1225	1230	1235	rBV	3867149	5738015	87.18%	6.335%
45	9.369	1235	1237	1240	rVB3	183985	191750	2.91%	0.212%
46	9.481	1253	1256	1259	rBV3	150129	238289	3.62%	0.263%
47	9.581	1269	1273	1279	rVV2	482615	1011587	15.37%	1.117%
48	9.645	1279	1284	1291	rVV3	1287201	2785003	42.32%	3.075%
49	9.704	1291	1294	1297	rVB	450412	488909	7.43%	0.540%
50	9.792	1306	1309	1312	rBV	115035	172563	2.62%	0.191%
51	9.857	1313	1320	1324	rVV	2881866	4052040	61.57%	4.474%
52	9.898	1324	1327	1328	rVV3	318429	400537	6.09%	0.442%
53	9.928	1328	1332	1336	rVB	890494	1228115	18.66%	1.356%
54	10.087	1354	1359	1362	rBV	371728	651149	9.89%	0.719%
55	10.139	1366	1368	1371	rVV	221032	294482	4.47%	0.325%
56	10.175	1371	1374	1378	rVV3	460082	687456	10.45%	0.759%
57	10.210	1378	1380	1384	rVB	213074	229827	3.49%	0.254%
58	10.357	1399	1405	1408	rBV	1290019	1738634	26.42%	1.919%
59	10.569	1436	1441	1448	rBV	285877	514269	7.81%	0.568%
60	10.639	1448	1453	1459	rVV2	244036	439336	6.68%	0.485%
61	10.710	1459	1465	1472	rVB	1798714	2539394	38.58%	2.804%
62	10.828	1480	1485	1494	rVB	407563	647723	9.84%	0.715%
63	11.275	1558	1561	1563	rBV	92068	108756	1.65%	0.120%
64	11.410	1579	1584	1589	rBV	850530	1068276	16.23%	1.179%
65	11.933	1669	1673	1682	rBV2	172798	254161	3.86%	0.281%
66	12.998	1849	1854	1862	rVB	2589078	3403612	51.71%	3.758%
67	13.892	2003	2006	2019	rVB	180937	371015	5.64%	0.410%
68	14.051	2029	2033	2039	rVB	434464	578612	8.79%	0.639%
69	15.527	2279	2284	2299	rVB	385891	675906	10.27%	0.746%

Sum of corrected areas: 90577612

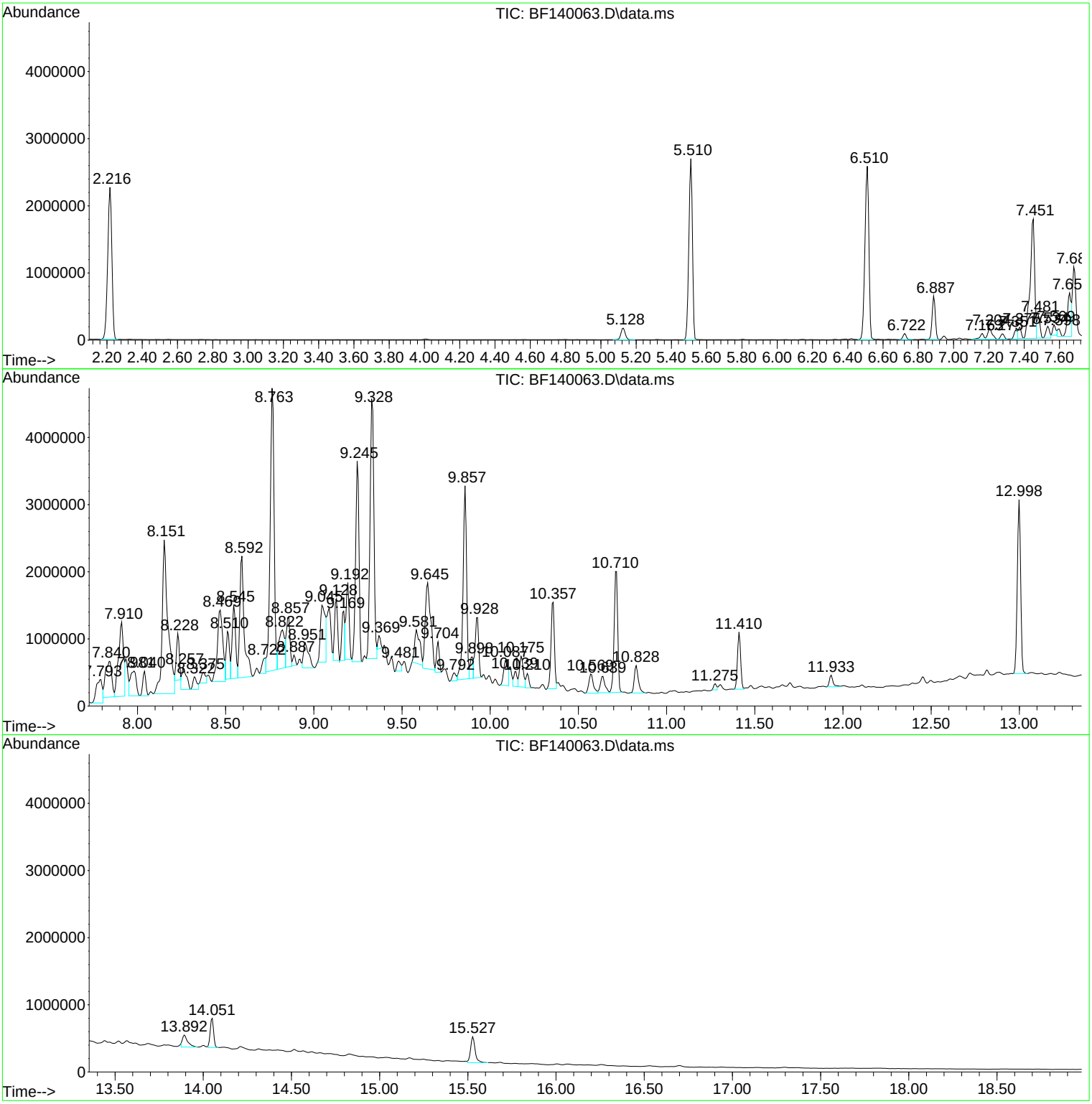
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Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

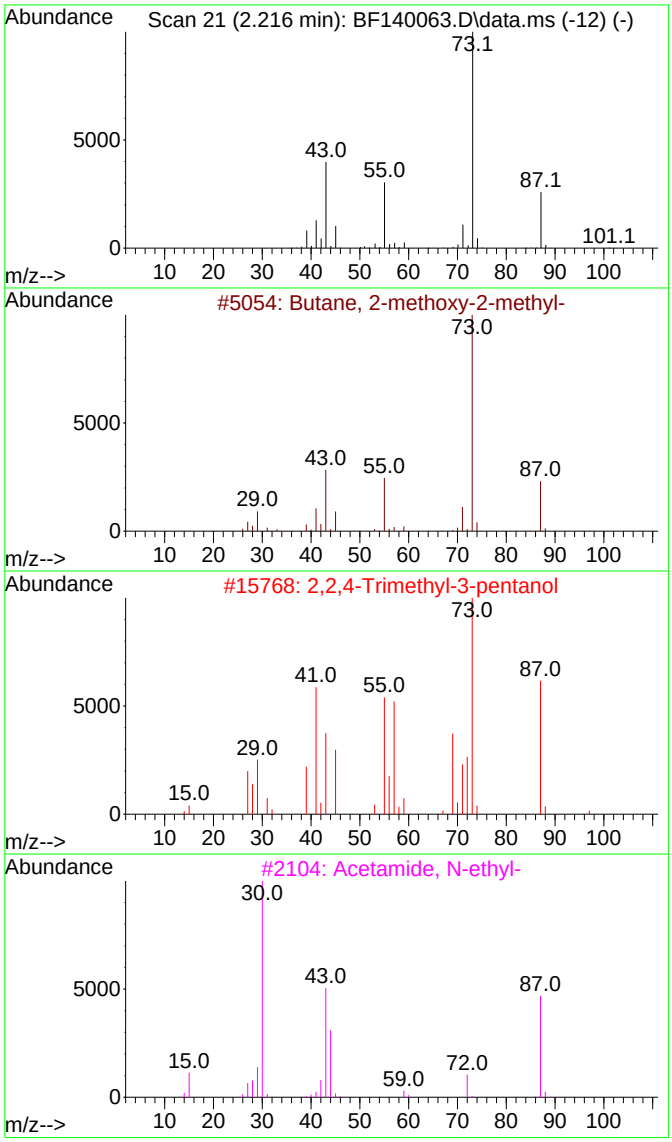
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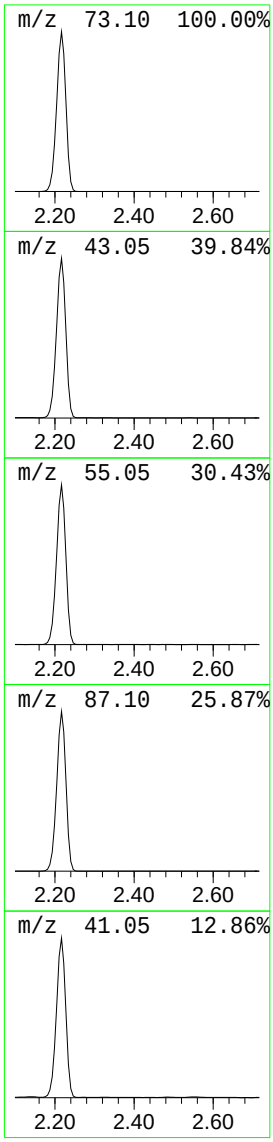
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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.216	90.96 ng	3690550	1,4-Dichlorobenzene-d4	6.887

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

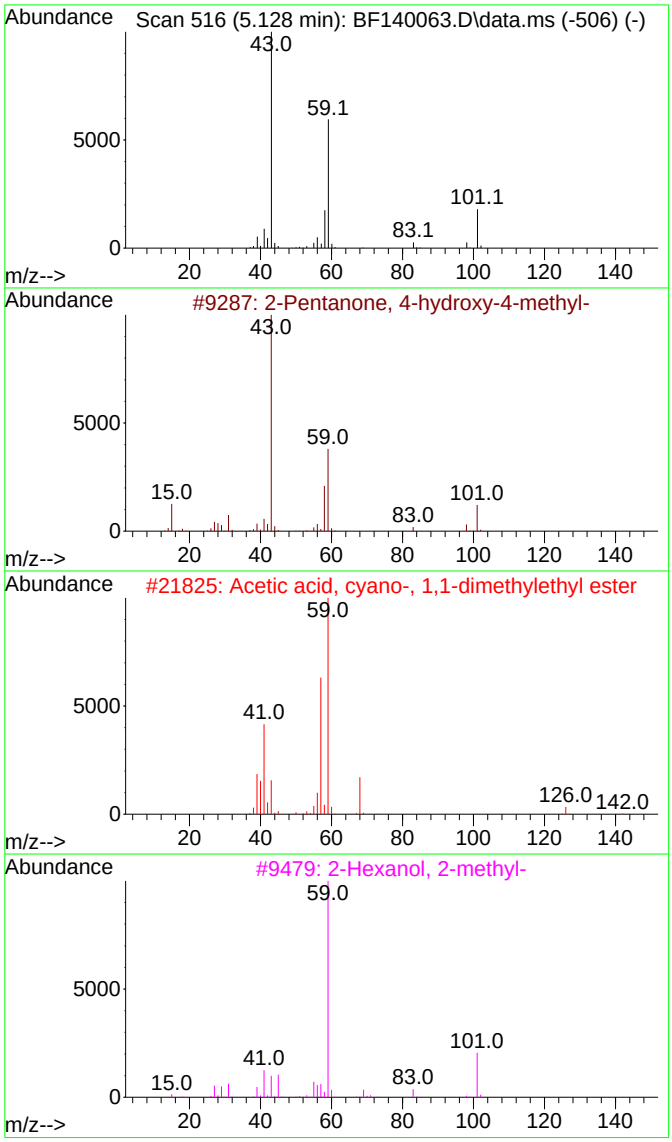
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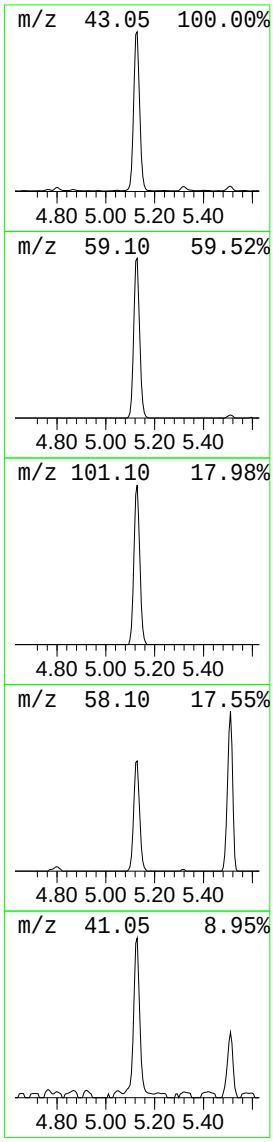
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.128	7.34 ng	297618	1,4-Dichlorobenzene-d4	6.887

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

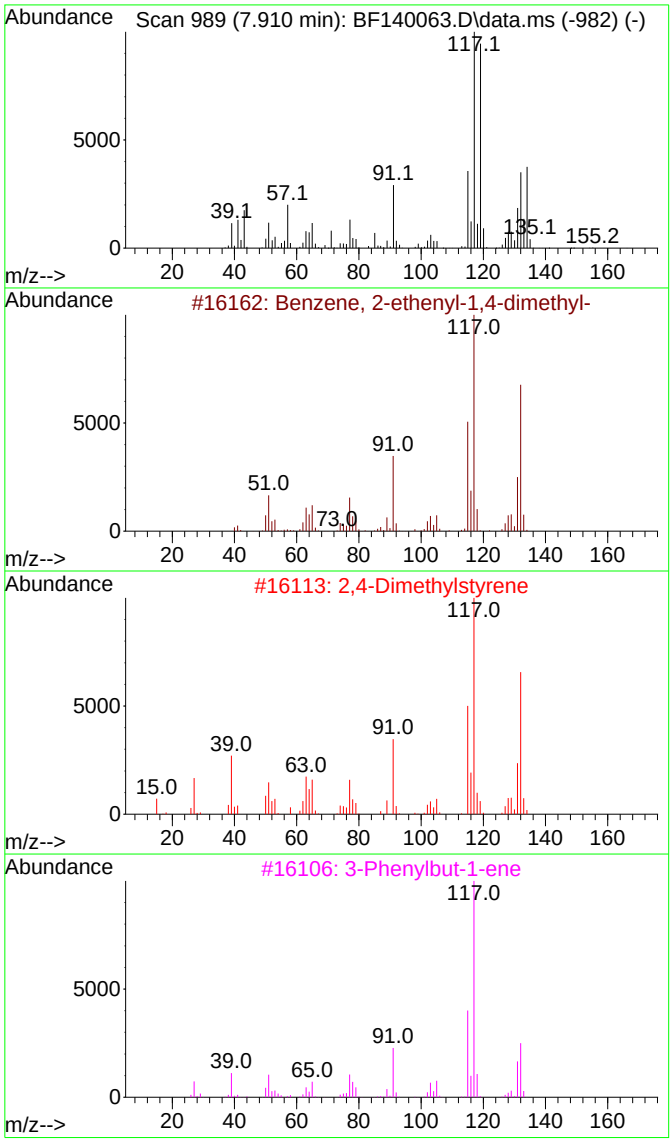
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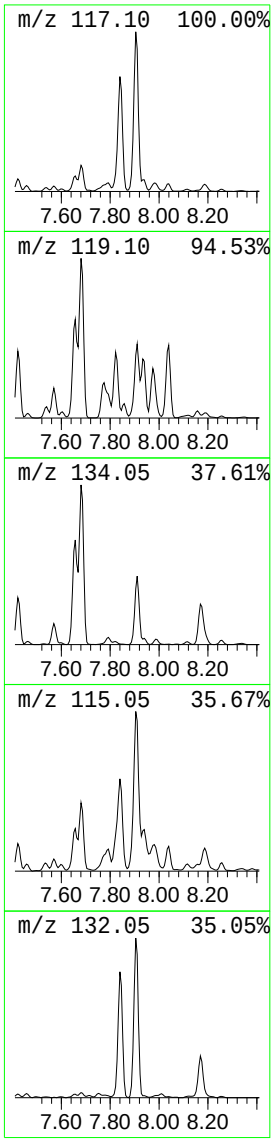
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Peak Number 3 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.910	8.60 ng	2270230	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	86
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	55
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

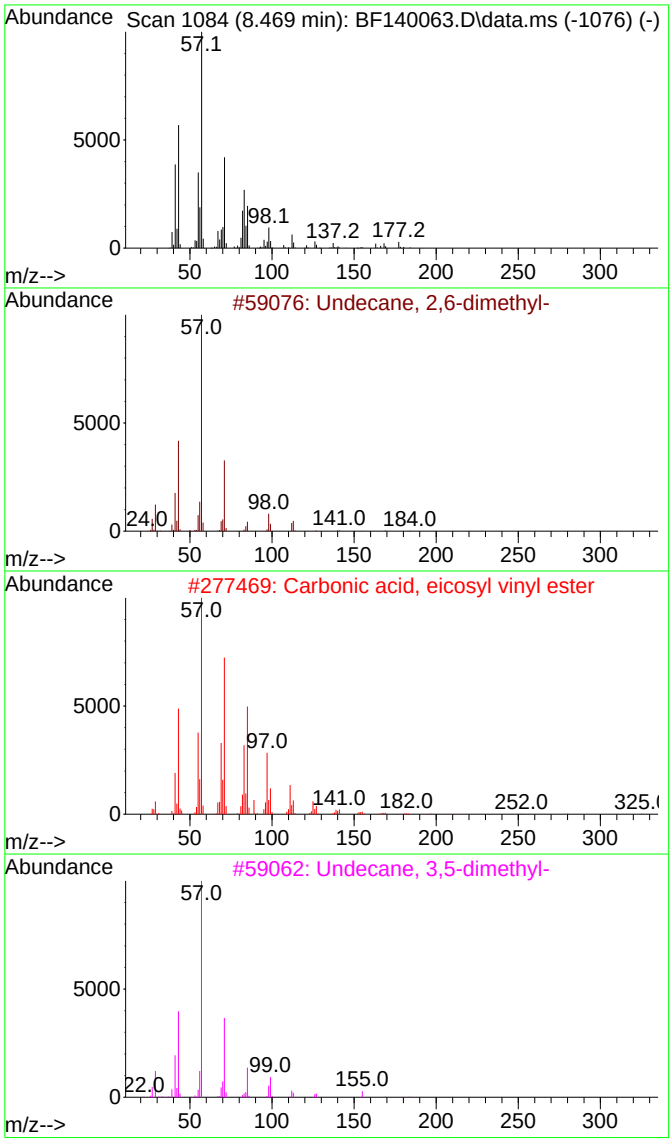
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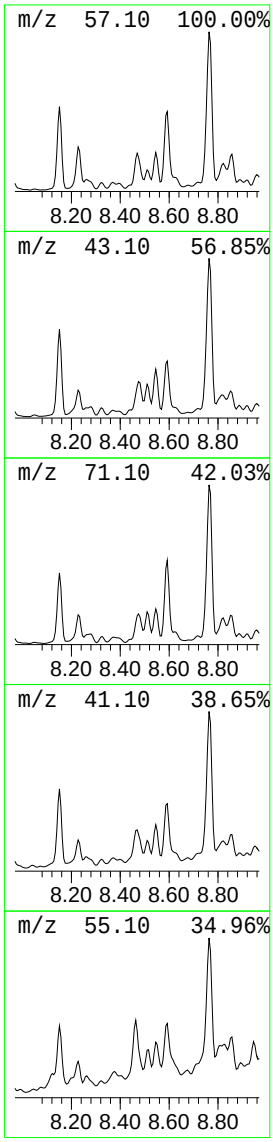
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Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.469	8.95 ng	2363530	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	60
2	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	53
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	49
4	Undecane	156	C11H24	001120-21-4	47
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

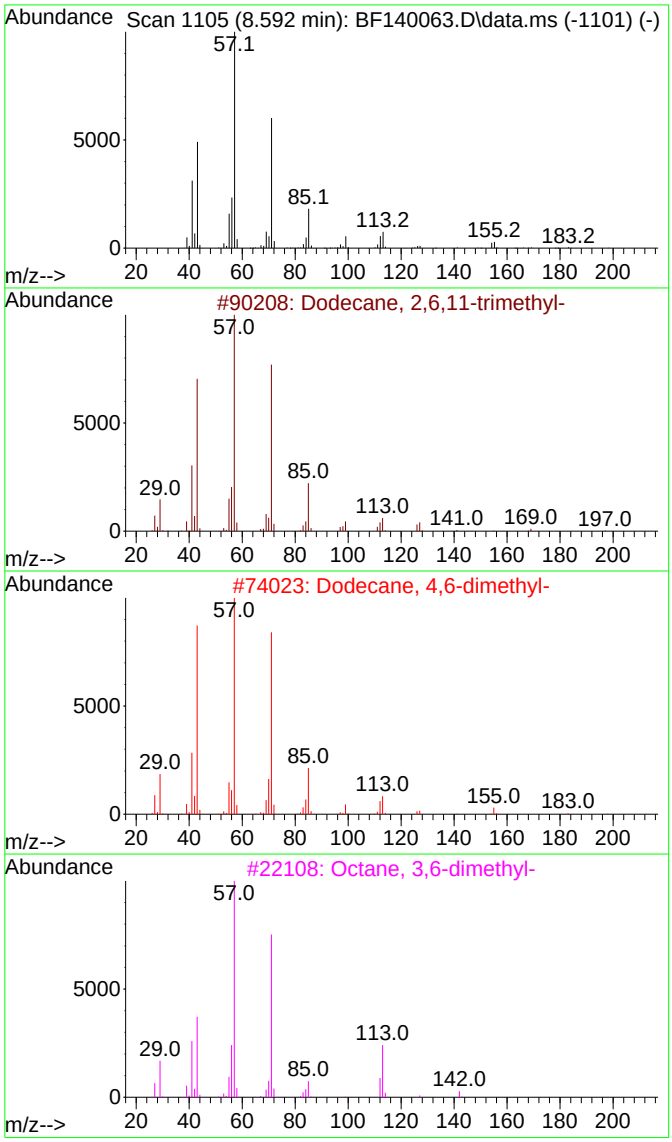
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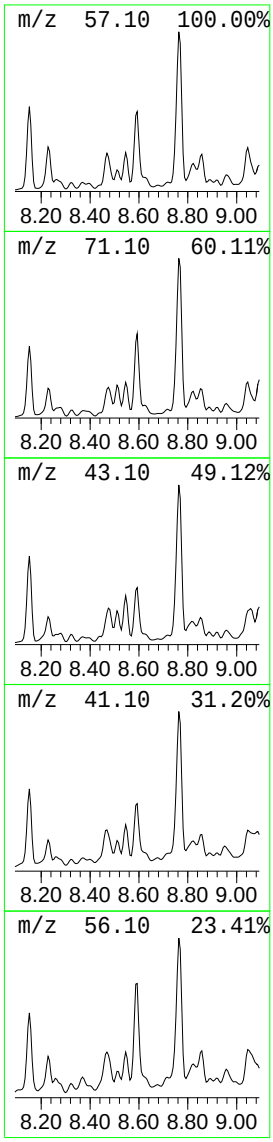
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Peak Number 5 Dodecane, 2,6,11-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.592	11.69 ng	3086280	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	76
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
5	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WB-303-BOT

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

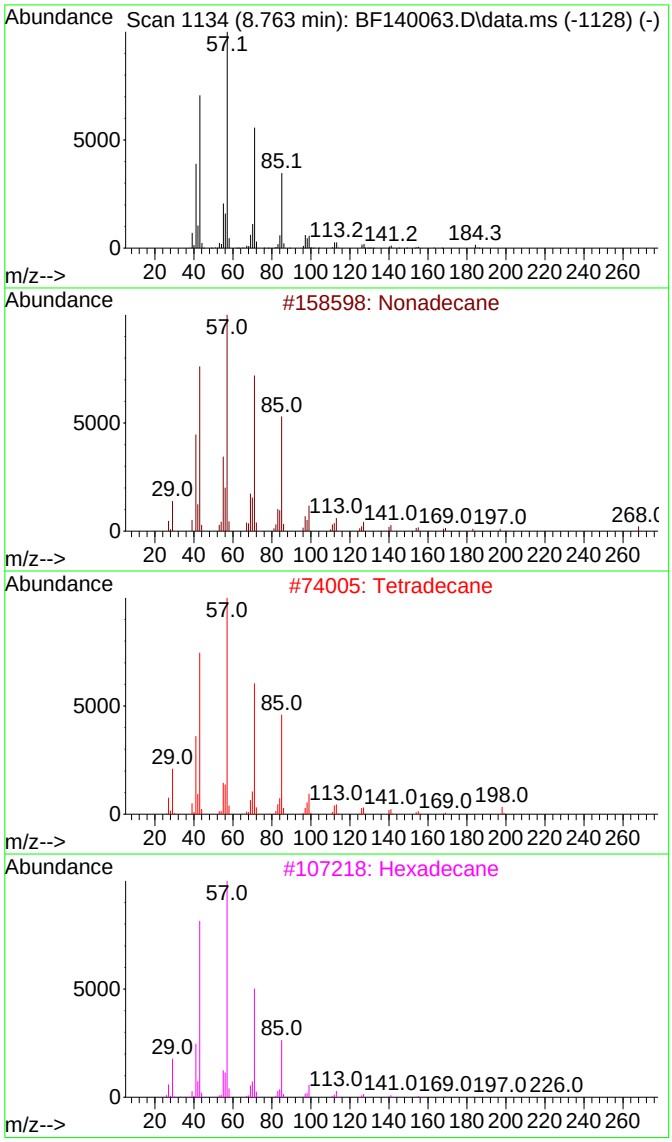
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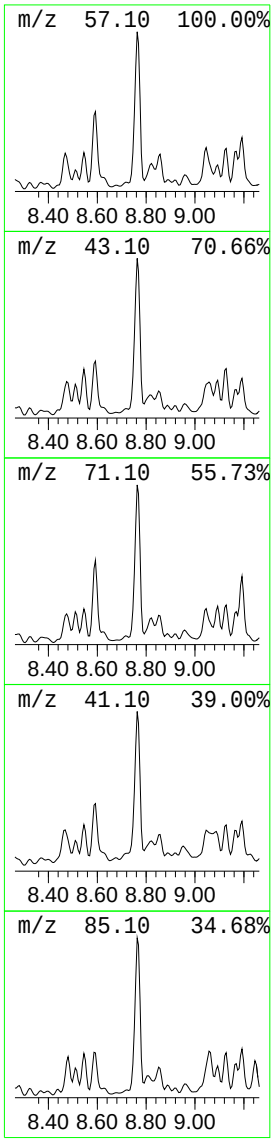
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Peak Number 6 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.763	24.92 ng	6581540	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Tetradecane	198	C14H30	000629-59-4	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Tridecane	184	C13H28	000629-50-5	81
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

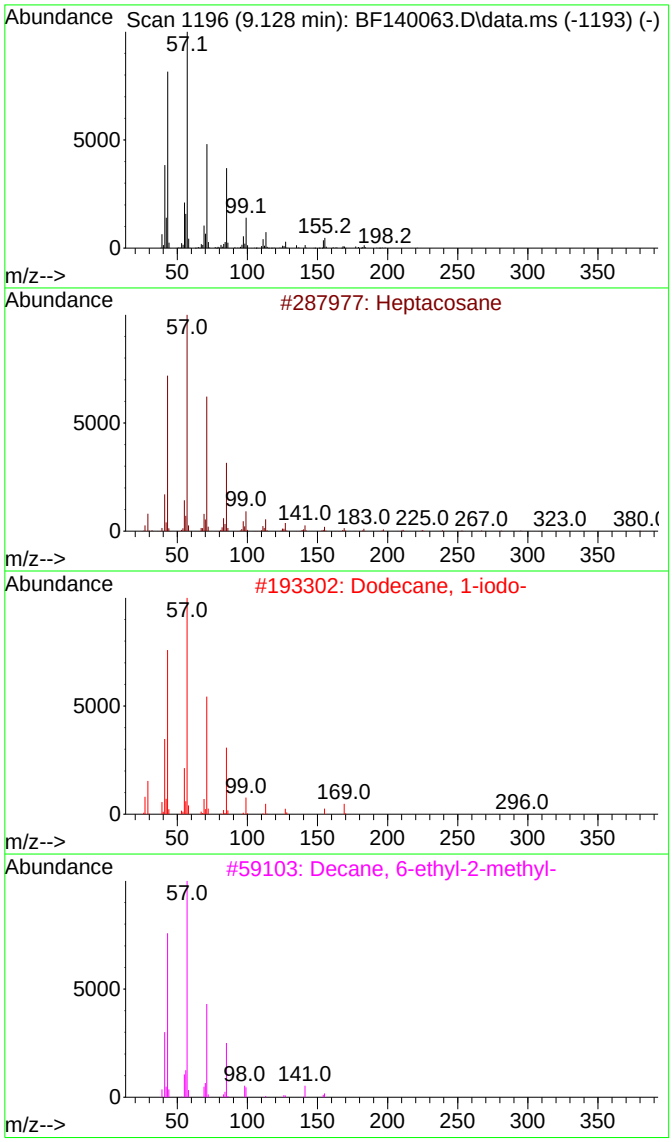
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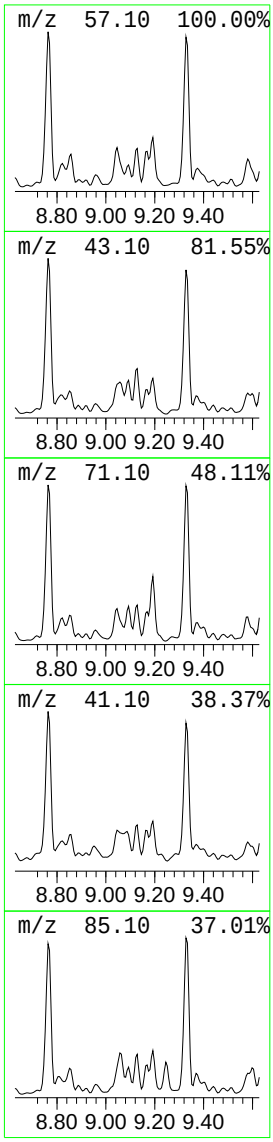
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Peak Number 7 Heptacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.128	17.00 ng	1043740	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	86
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	72
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	64
5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

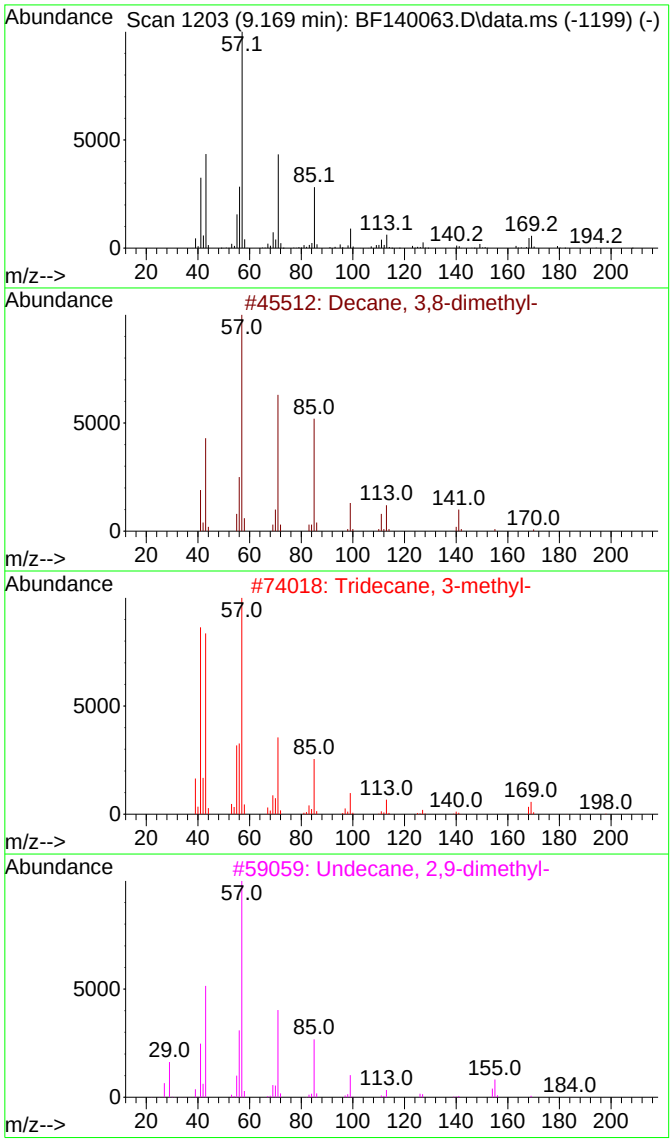
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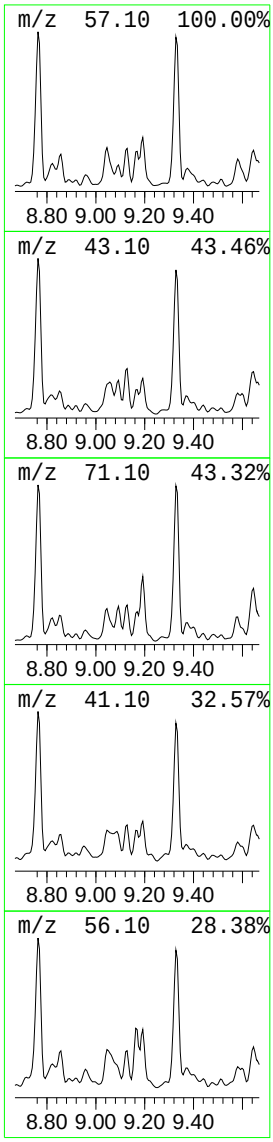
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Peak Number 8 Decane, 3,8-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.169	14.25 ng	874818	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	83
3	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	72
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
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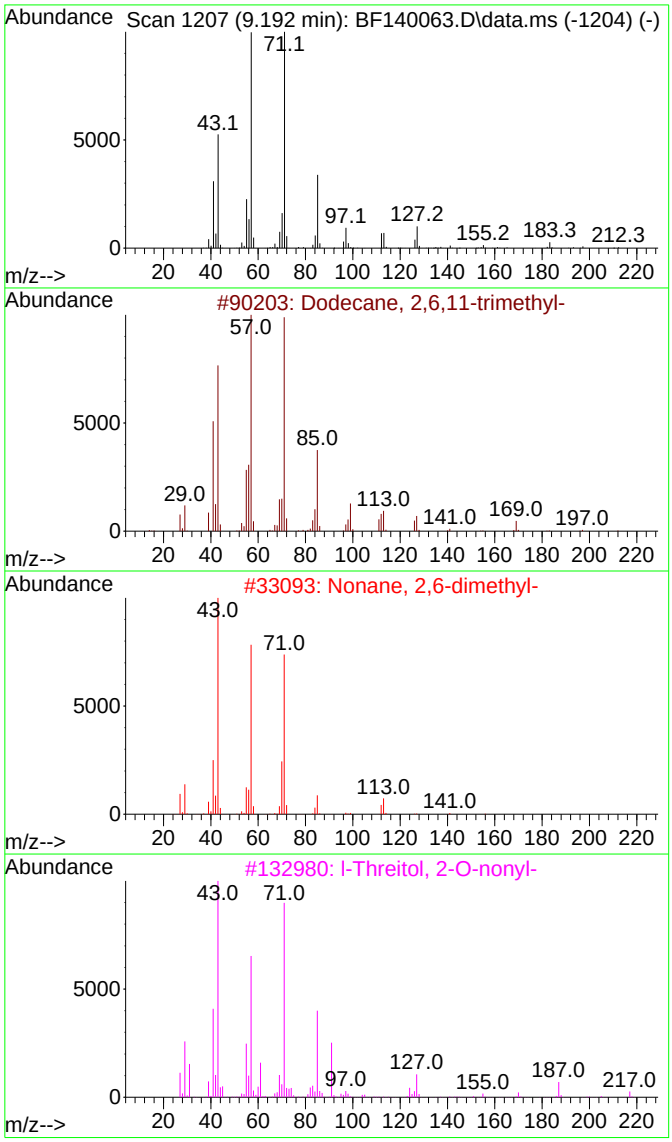
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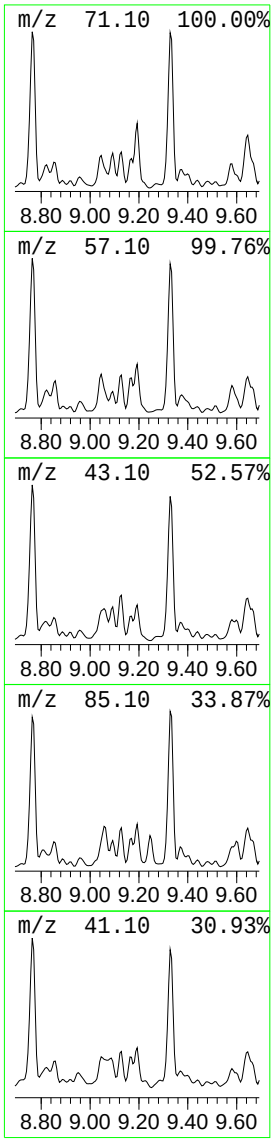
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Peak Number 9 Nonane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.192	22.13 ng	1359040	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
3	l-Threitol, 2-O-nonyl-	248	C13H28O4	163776-15-6	59
4	Sulfurous acid, nonyl pentyl ester	278	C14H30O3S	1000309-14-2	59
5	3-(Octyloxy)-1,2-propanediol	204	C11H24O3	010438-94-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WB-303-BOT

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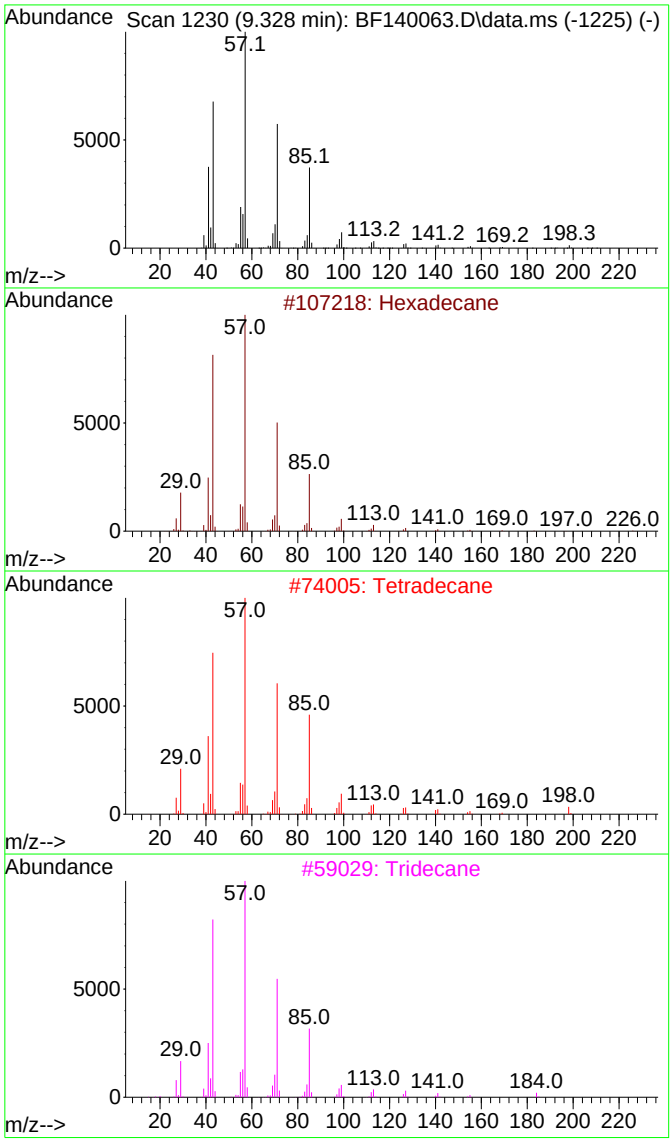
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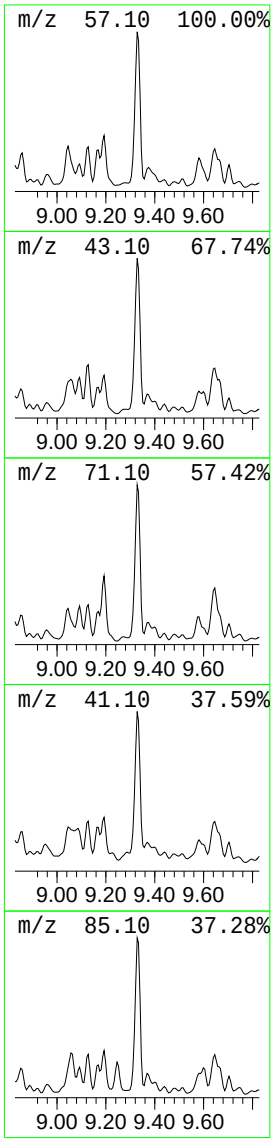
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Peak Number 10 Hexadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.328	93.44 ng	5738020	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetradecane	198	C14H30	000629-59-4	87
3	Tridecane	184	C13H28	000629-50-5	86
4	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	72
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

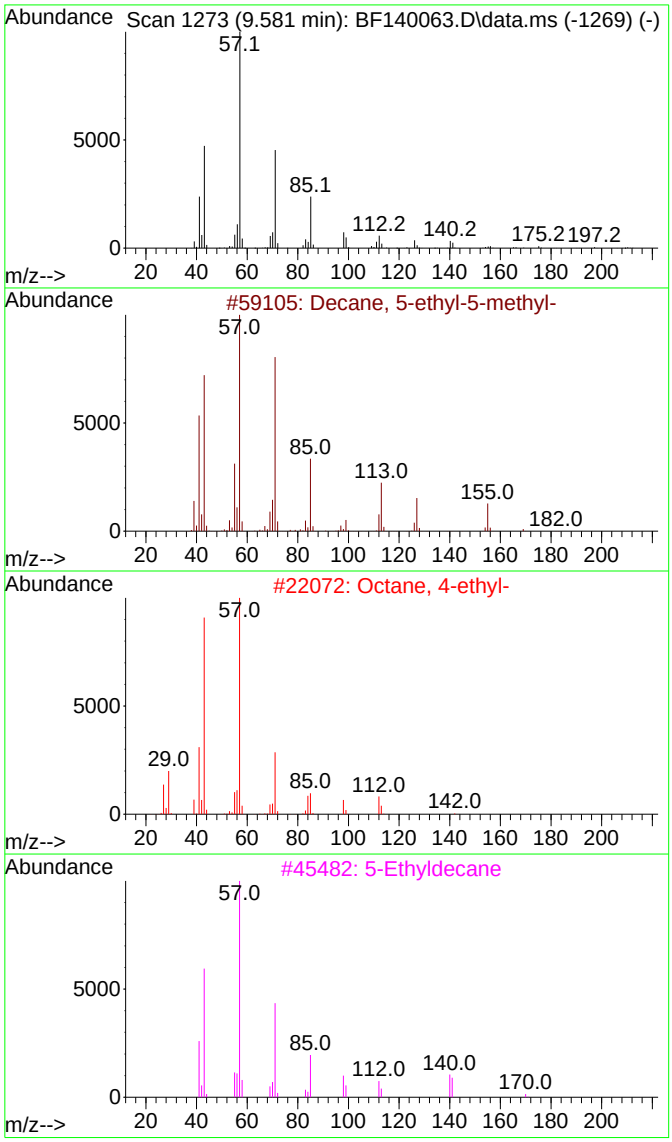
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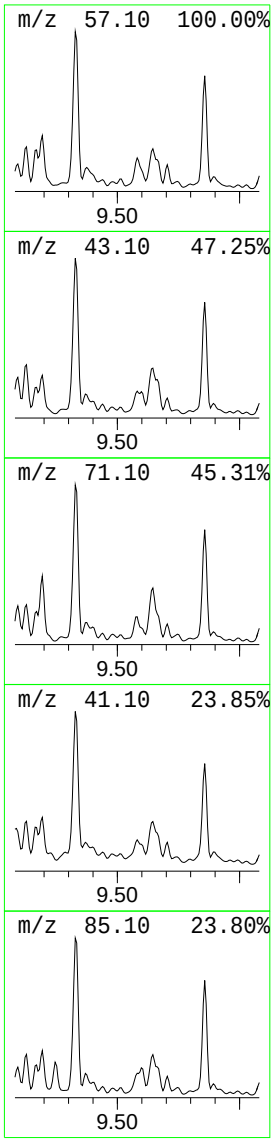
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Peak Number 11 Decane, 5-ethyl-5-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.581	16.47 ng	1011590	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-ethyl-5-methyl-	184	C13H28	017312-74-2	72
2	Octane, 4-ethyl-	142	C10H22	015869-86-0	64
3	5-Ethyldecane	170	C12H26	017302-36-2	64
4	Decane, 5-propyl-	184	C13H28	017312-62-8	59
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

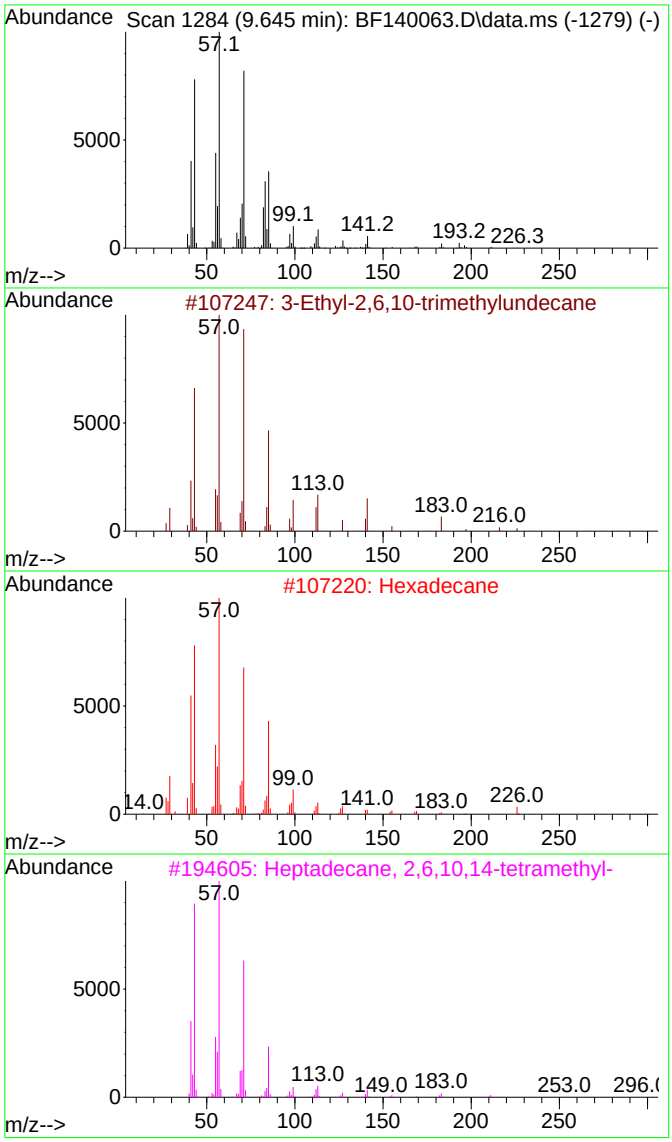
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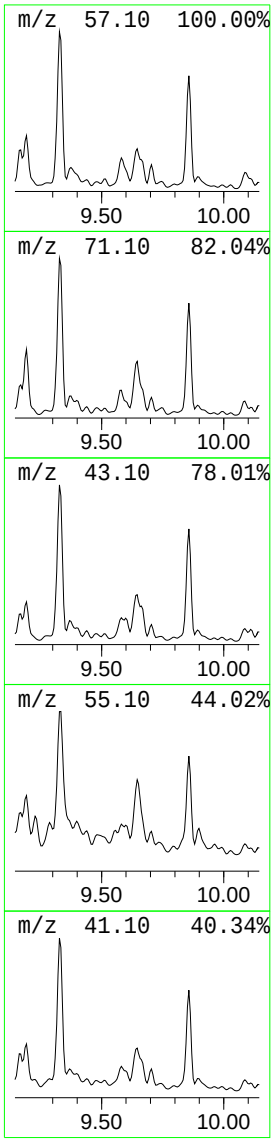
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Peak Number 12 3-Ethyl-2,6,10-trimethylund... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.645	45.35 ng	2785000	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	90
2	Hexadecane	226	C16H34	000544-76-3	74
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
4	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	72
5	Decane, 5-propyl-	184	C13H28	017312-62-8	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

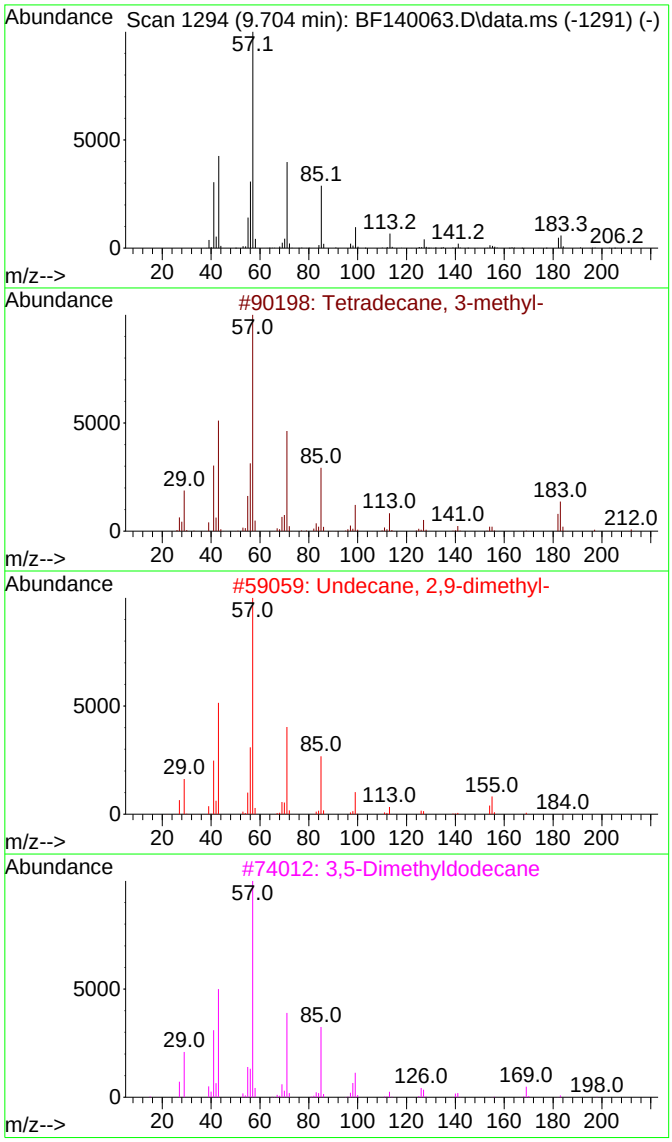
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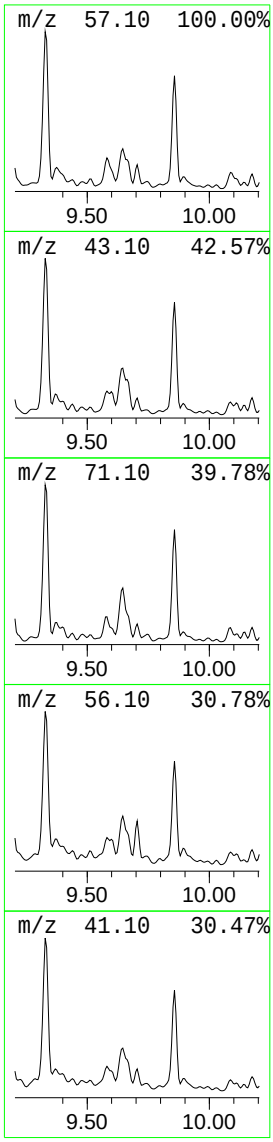
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Peak Number 13 Tetradecane, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.704	7.96 ng	488909	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 3-methyl-	212	C15H32	018435-22-8	86
2	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	72
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	64
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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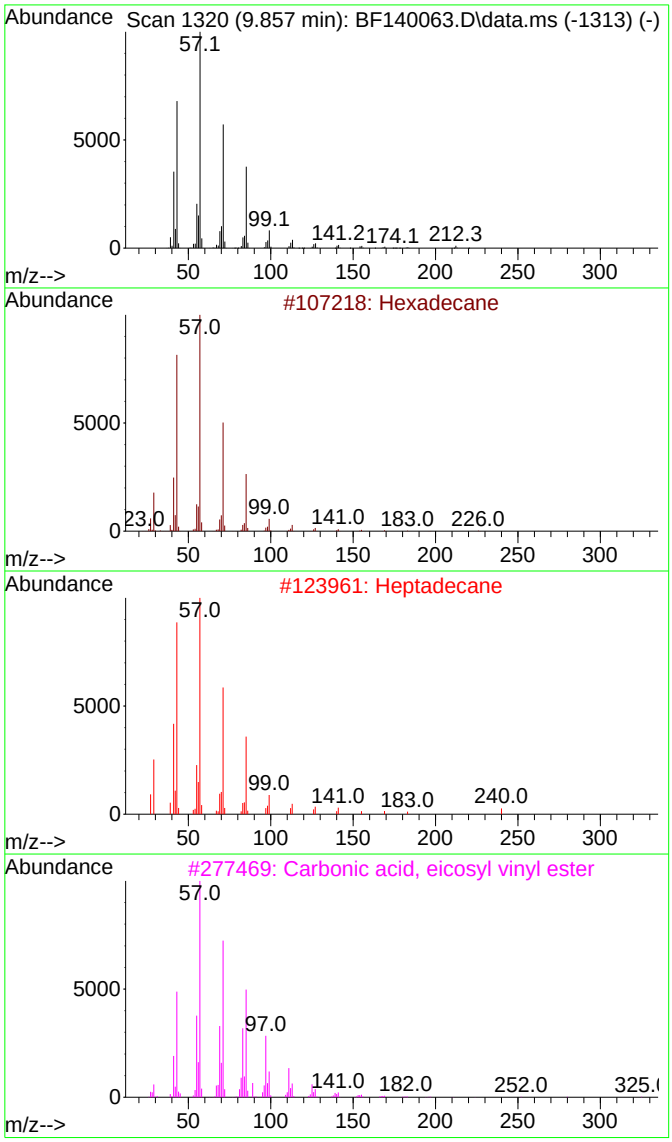
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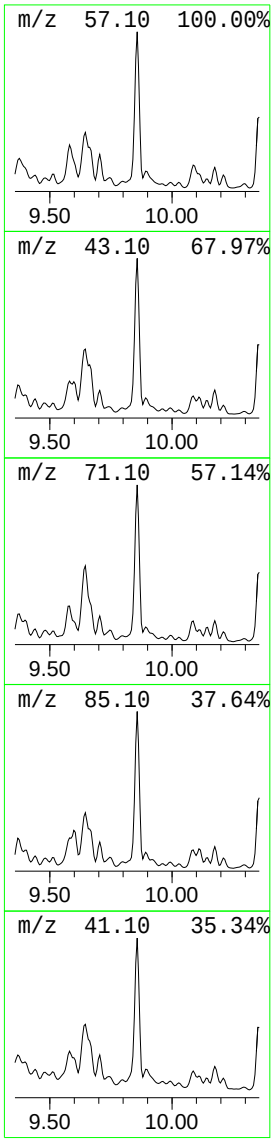
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Peak Number 14 Heptadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.857	65.99 ng	4052040	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	86
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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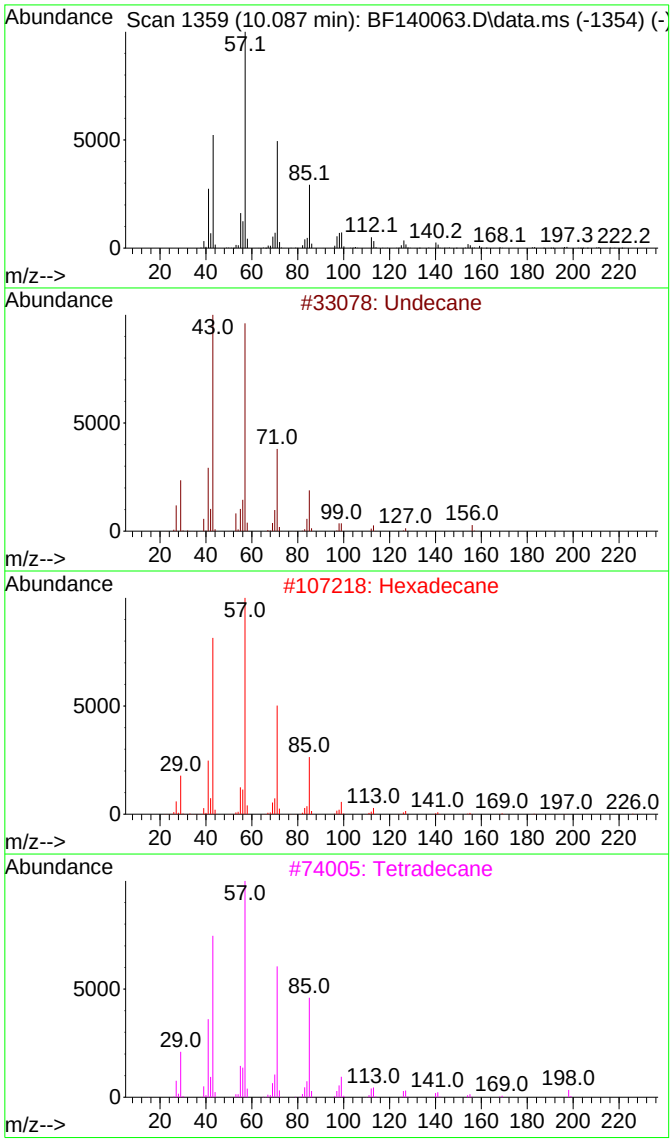
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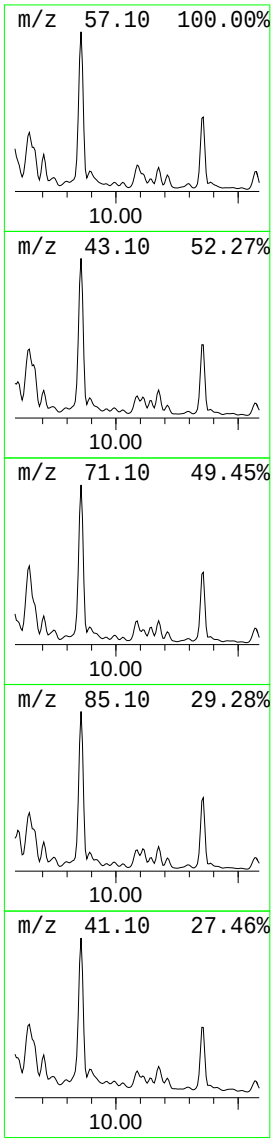
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Peak Number 15 Undecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.086	10.60 ng	651149	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	83
2	Hexadecane	226	C16H34	000544-76-3	80
3	Tetradecane	198	C14H30	000629-59-4	72
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58
5	Pentadecane	212	C15H32	000629-62-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

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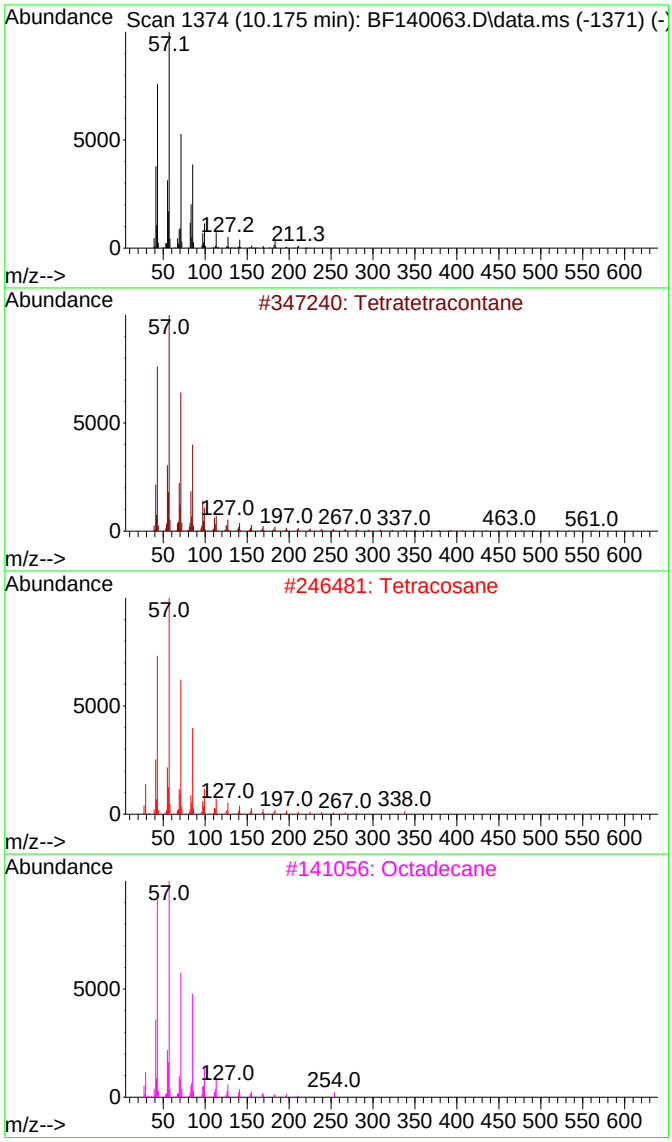
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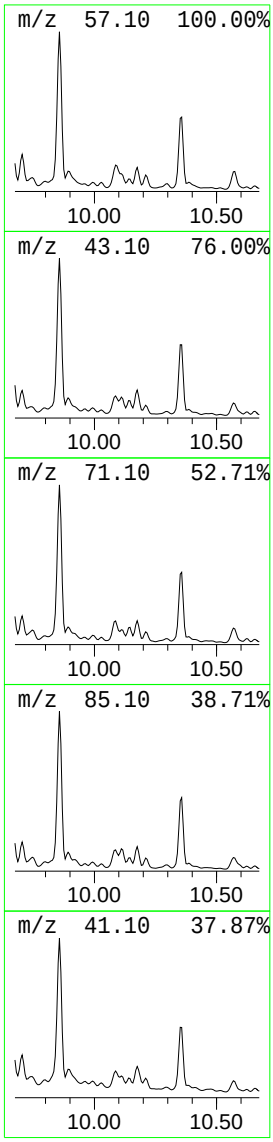
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Peak Number 16 Tetratetracontane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.175	11.20 ng	687456	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	86
2	Tetracosane	338	C24H50	000646-31-1	83
3	Octadecane	254	C18H38	000593-45-3	80
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

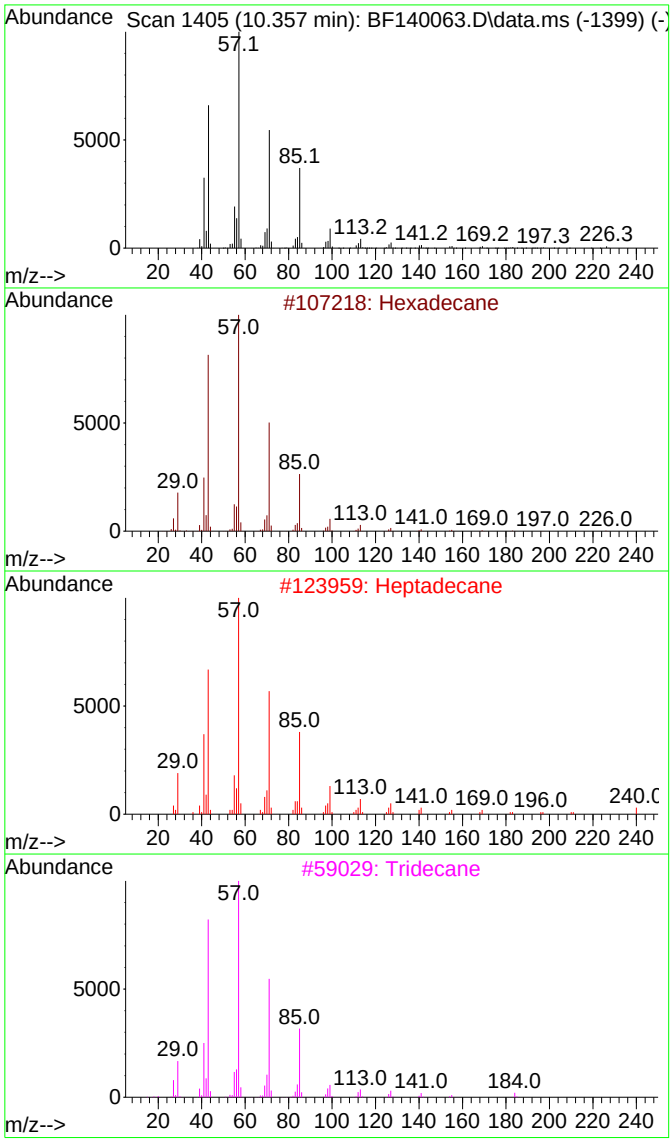
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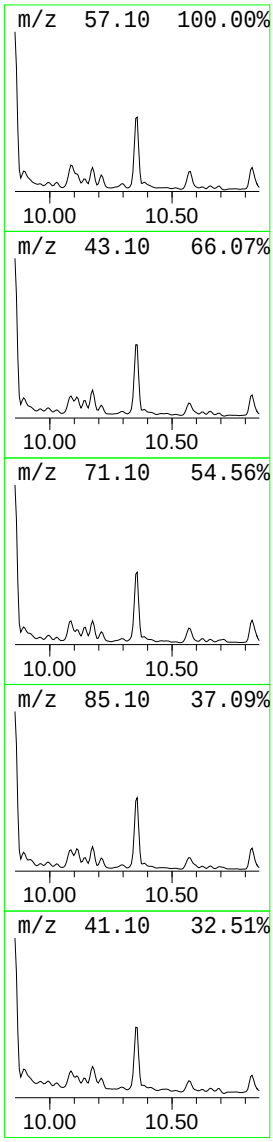
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Peak Number 17 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.357	28.31 ng	1738630	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Heptadecane	240	C17H36	000629-78-7	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	83
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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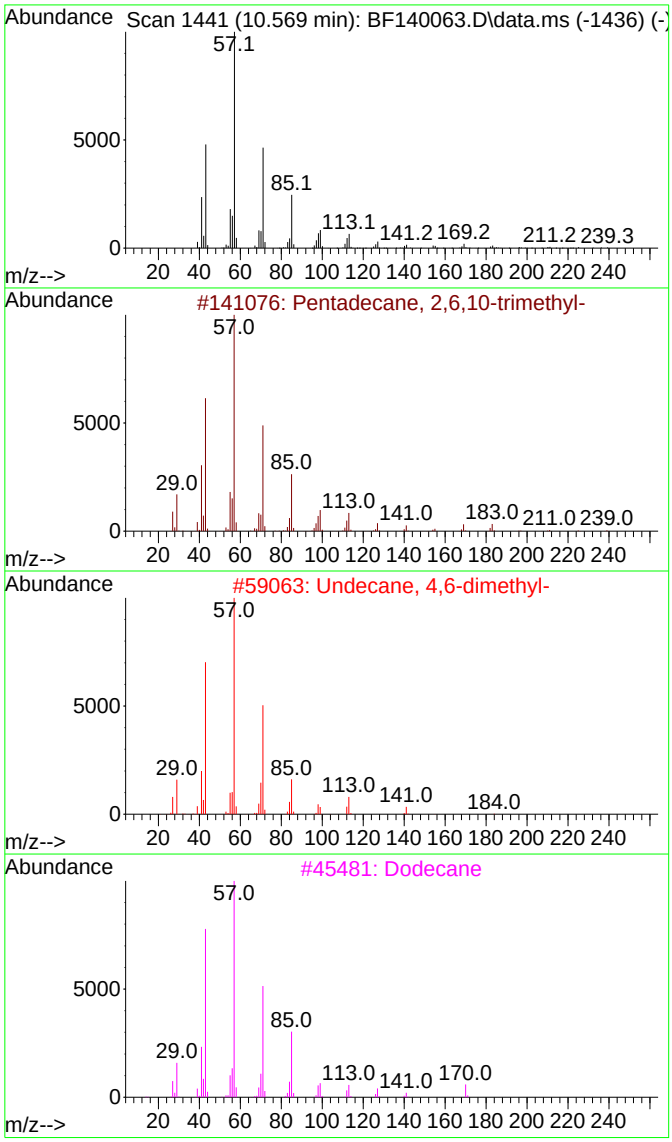
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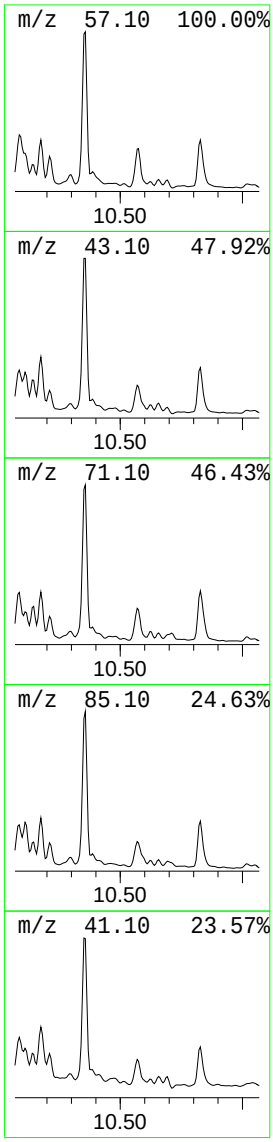
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Peak Number 18 Pentadecane, 2,6,10-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	8.37 ng	514269	Acenaphthene-d10	9.928

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	91
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	87
3	Dodecane	170	C12H26	000112-40-3	80
4	Heptacosane	380	C27H56	000593-49-7	80
5	Hexadecane	226	C16H34	000544-76-3	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

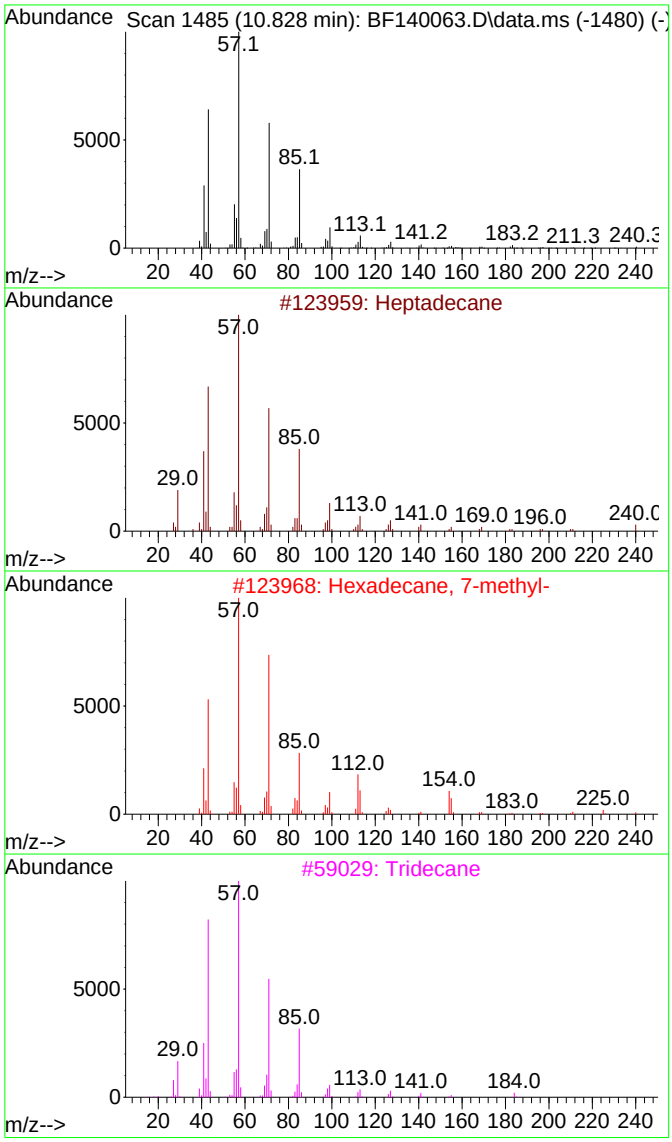
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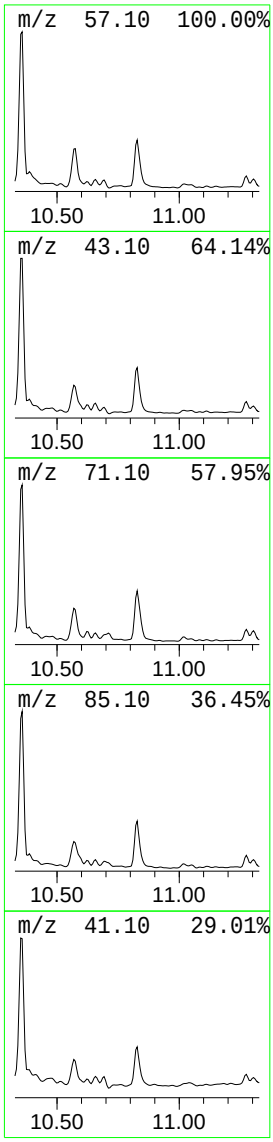
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Peak Number 19 Hexadecane, 7-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.828	12.13 ng	647723	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Tetracosane	338	C24H50	000646-31-1	90





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On    : 26 Oct 2024  16:48
Operator  : RC/JU
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Misc      :
ALS Vial  : 15   Sample Multiplier: 1

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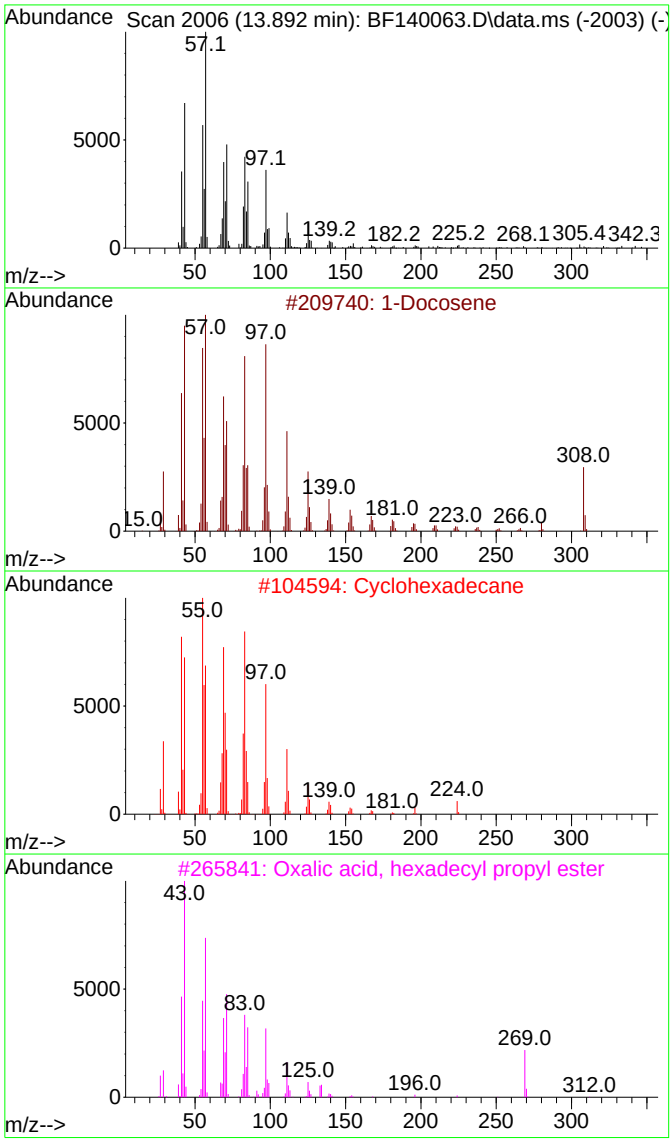
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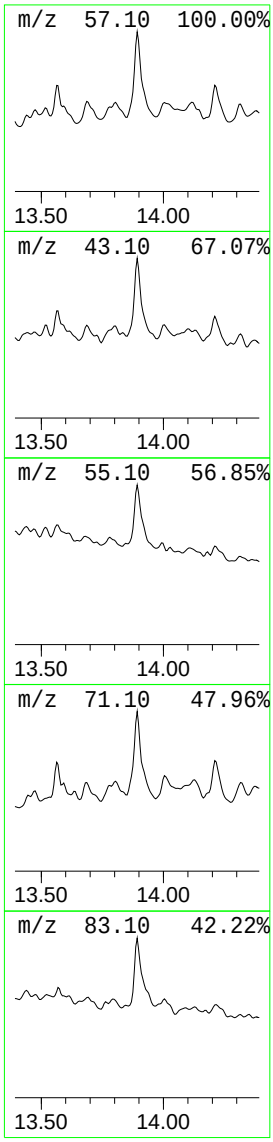
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Peak Number 20 1-Docosene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	12.82 ng	371015	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	Cyclohexadecane	224	C16H32	000295-65-8	94
3	Oxalic acid, hexadecyl propyl ester	356	C21H40O4	1000309-26-9	91
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
5	Octacosyl heptafluorobutyrate	606	C32H57F7O2	1010351-83-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140063.D
Acq On : 26 Oct 2024 16:48
Operator : RC/JU
Sample : P4460-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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...	2.216	91.0	ng	3690550	1	6.887	811483	20.0
2-Pentanone, 4-...	5.128	7.3	ng	297618	1	6.887	811483	20.0
Benzene, 2-ethe...	7.910	8.6	ng	2270230	2	8.169	5282280	20.0
Undecane, 2,6-d...	8.469	8.9	ng	2363530	2	8.169	5282280	20.0
Dodecane, 2,6,1...	8.592	11.7	ng	3086280	2	8.169	5282280	20.0
Nonadecane	8.763	24.9	ng	6581540	2	8.169	5282280	20.0
Heptacosane	9.128	17.0	ng	1043740	3	9.928	1228120	20.0
Decane, 3,8-dim...	9.169	14.3	ng	874818	3	9.928	1228120	20.0
Nonane, 2,6-dim...	9.192	22.1	ng	1359040	3	9.928	1228120	20.0
Hexadecane	9.328	93.4	ng	5738020	3	9.928	1228120	20.0
Decane, 5-ethyl...	9.581	16.5	ng	1011590	3	9.928	1228120	20.0
3-Ethyl-2,6,10-...	9.645	45.4	ng	2785000	3	9.928	1228120	20.0
Tetradecane, 3-...	9.704	8.0	ng	488909	3	9.928	1228120	20.0
Heptadecane	9.857	66.0	ng	4052040	3	9.928	1228120	20.0
Undecane	10.086	10.6	ng	651149	3	9.928	1228120	20.0
Tetratetracontane	10.175	11.2	ng	687456	3	9.928	1228120	20.0
Tridecane	10.357	28.3	ng	1738630	3	9.928	1228120	20.0
Pentadecane, 2,...	10.569	8.4	ng	514269	3	9.928	1228120	20.0
Hexadecane, 7-m...	10.828	12.1	ng	647723	4	11.410	1068280	20.0
1-Docosene	13.892	12.8	ng	371015	5	14.051	578612	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Quant Time: Oct 25 17:20:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

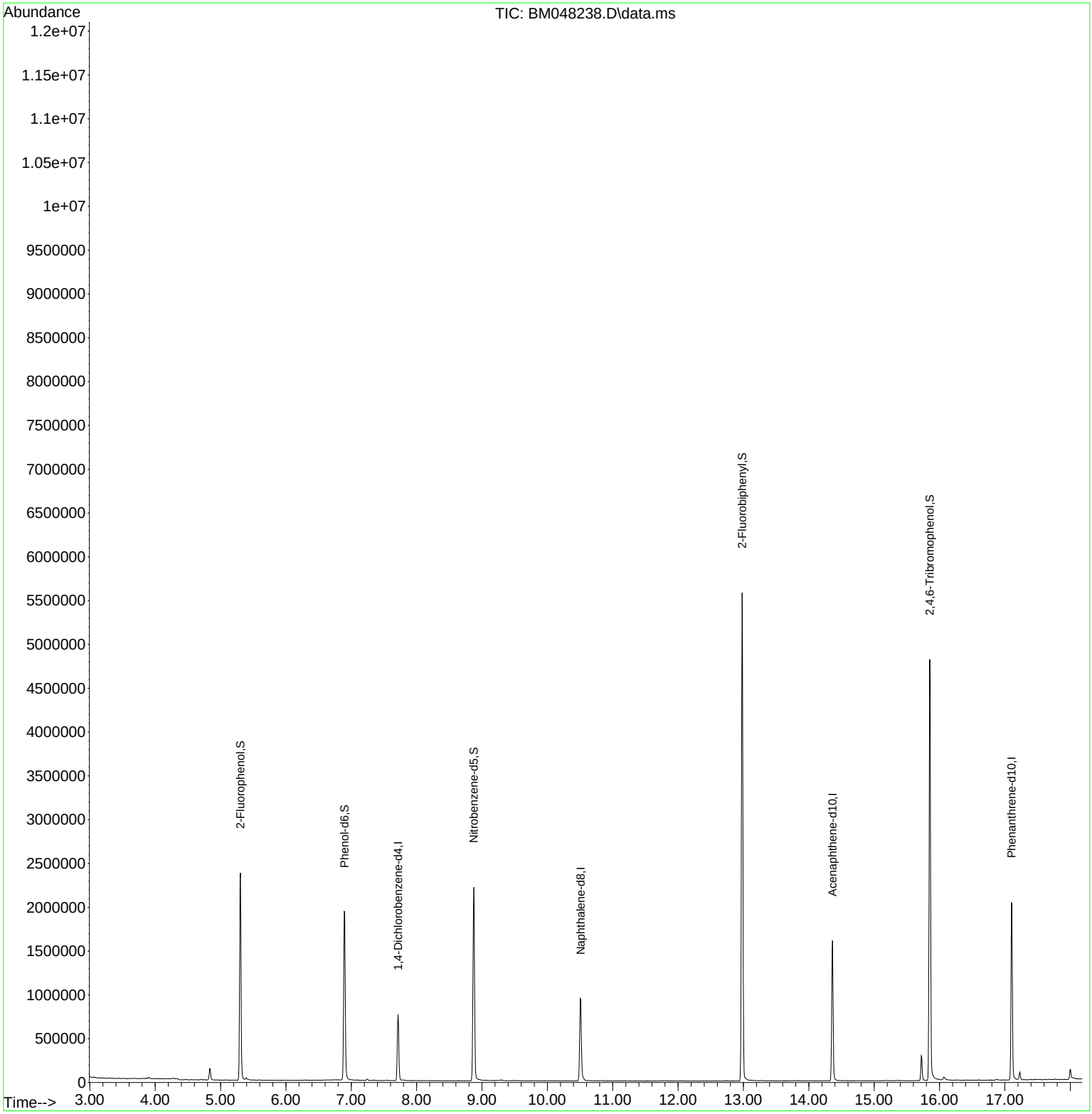
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	214014	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	870137	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	580161	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	1247446	20.000	ng	0.00
76) Chrysene-d12	21.327	240	1150084	20.000	ng	-0.01
86) Perylene-d12	24.280	264	1229812	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.305	112	1072257	84.219	ng	0.00
7) Phenol-d6	6.899	99	1211255	73.051	ng	0.00
23) Nitrobenzene-d5	8.875	82	1316356	85.418	ng	0.00
42) 2,4,6-Tribromophenol	15.851	330	957777	134.875	ng	0.00
45) 2-Fluorobiphenyl	12.981	172	3048150	80.622	ng	0.00
79) Terphenyl-d14	19.733	244	5159936	91.559	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

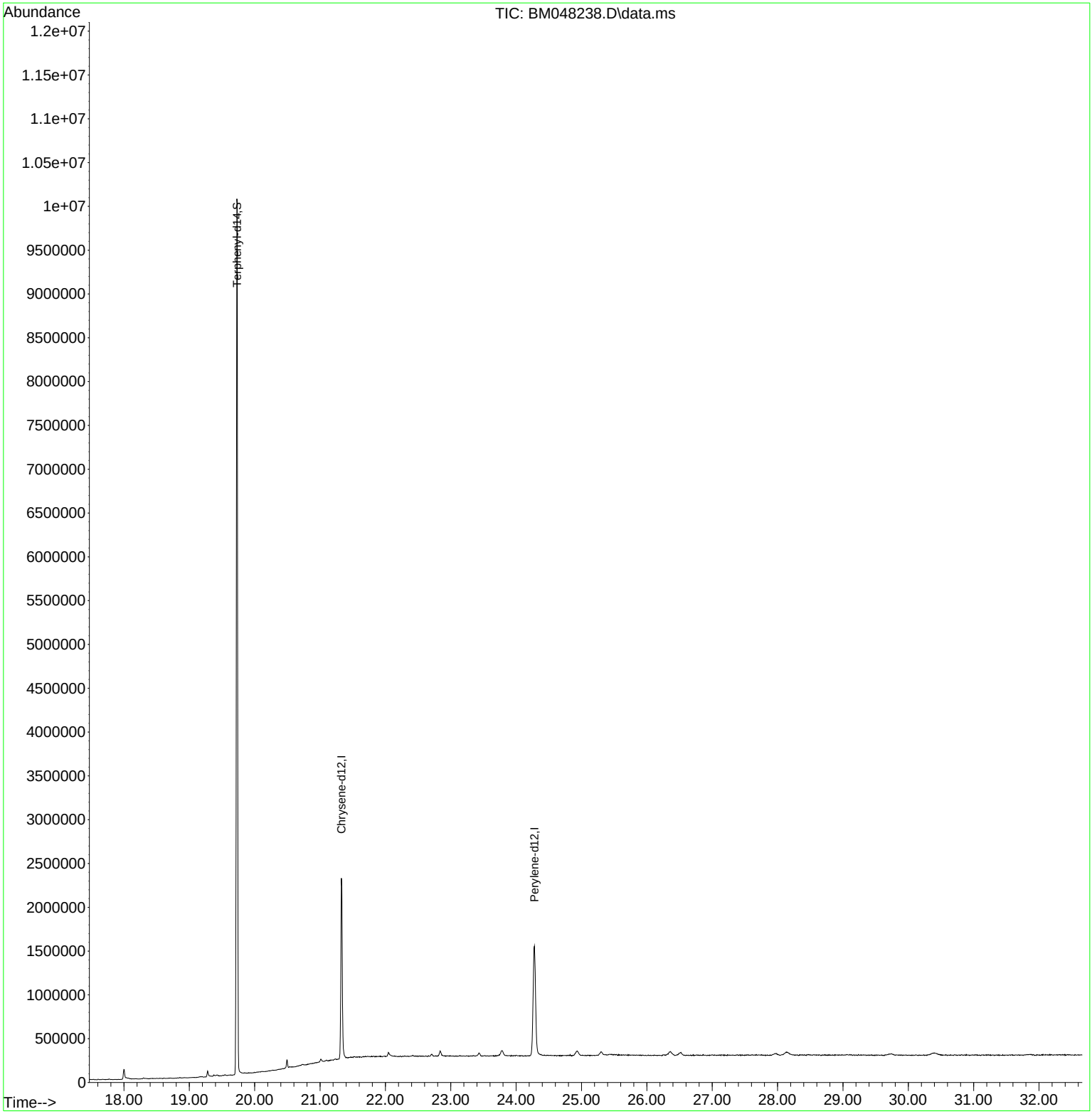
Quant Time: Oct 25 17:20:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

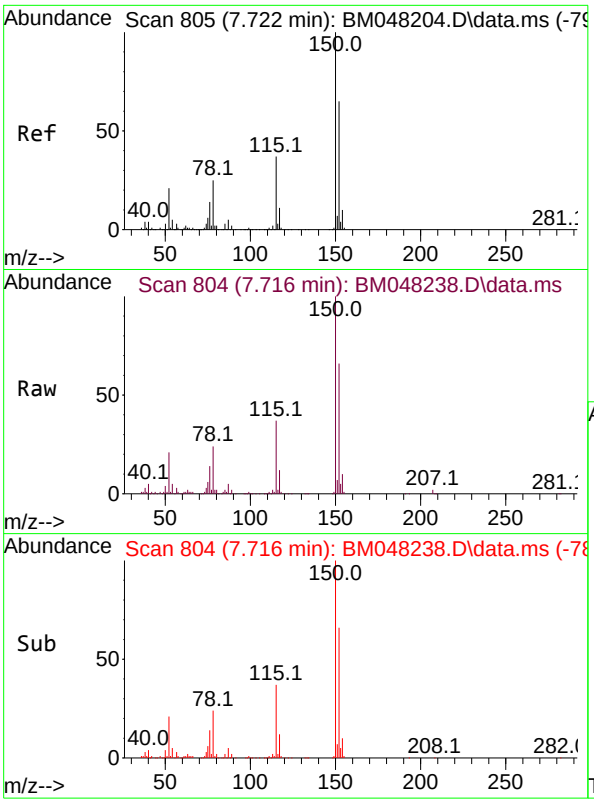


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Quant Time: Oct 25 17:20:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration



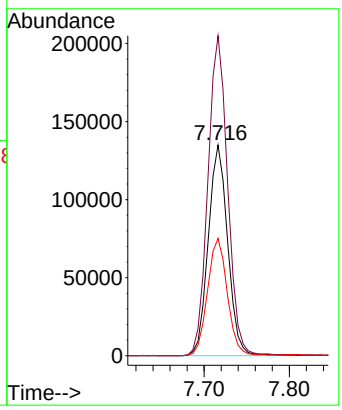


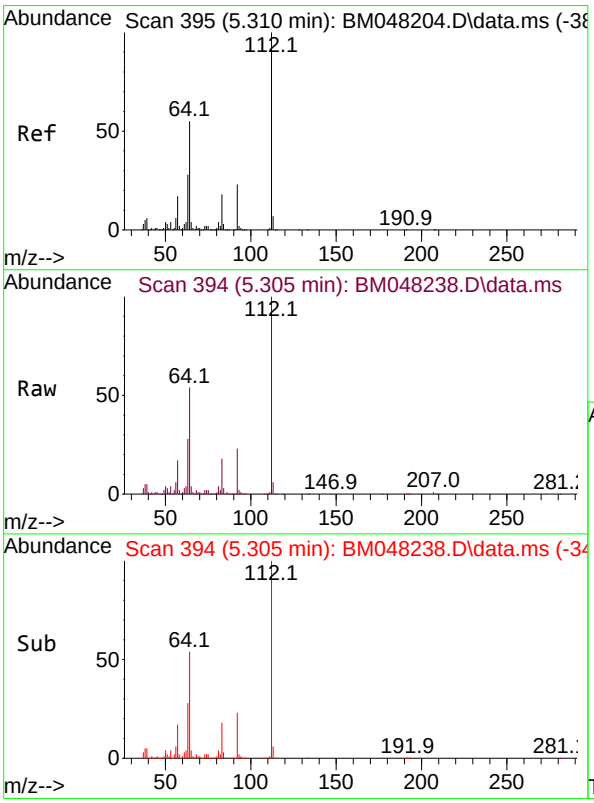
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Tgt Ion:152 Resp: 214014

Ion	Ratio	Lower	Upper
152	100		
150	152.0	123.0	184.6
115	55.7	45.8	68.6

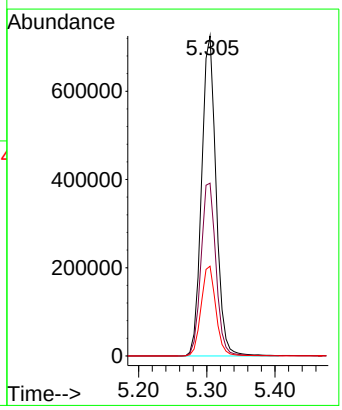


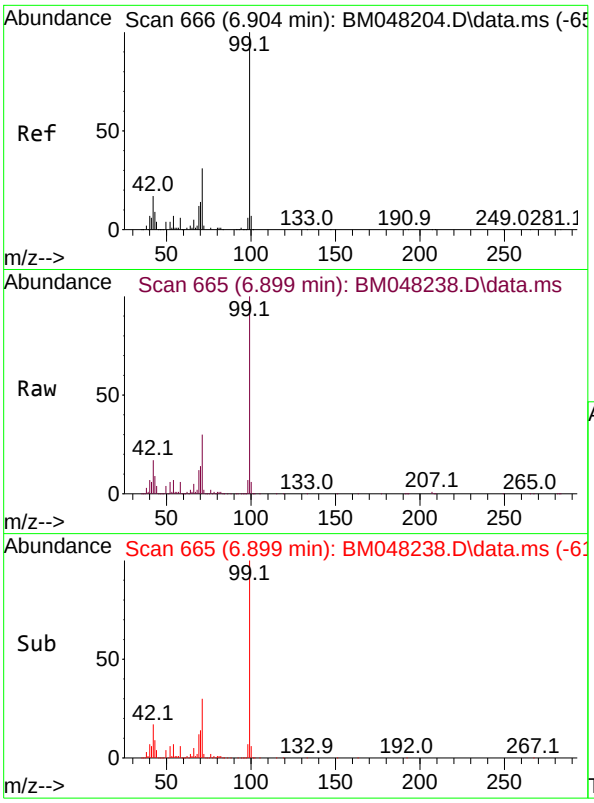


#5
2-Fluorophenol
Concen: 84.219 ng
RT: 5.305 min Scan# 394
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Tgt Ion:112 Resp: 1072257

Ion	Ratio	Lower	Upper
112	100		
64	54.0	44.2	66.2
63	28.1	22.7	34.1



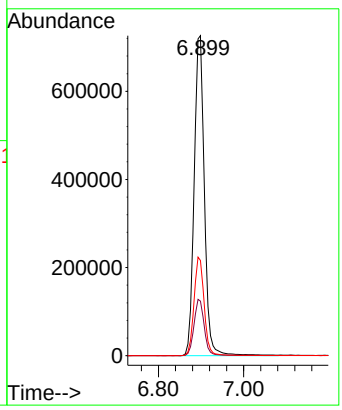


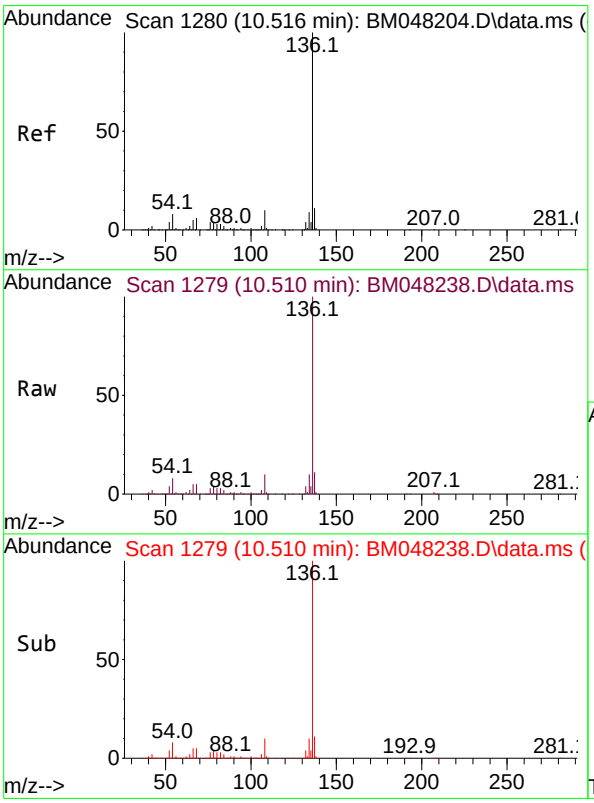
#7
Phenol-d6
Concen: 73.051 ng
RT: 6.899 min Scan# 6
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Tgt Ion: 99 Resp: 1211255

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.8	20.8
71	29.7	24.9	37.3

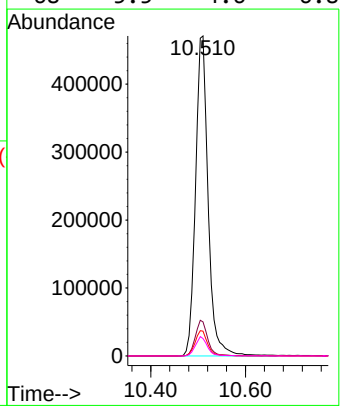


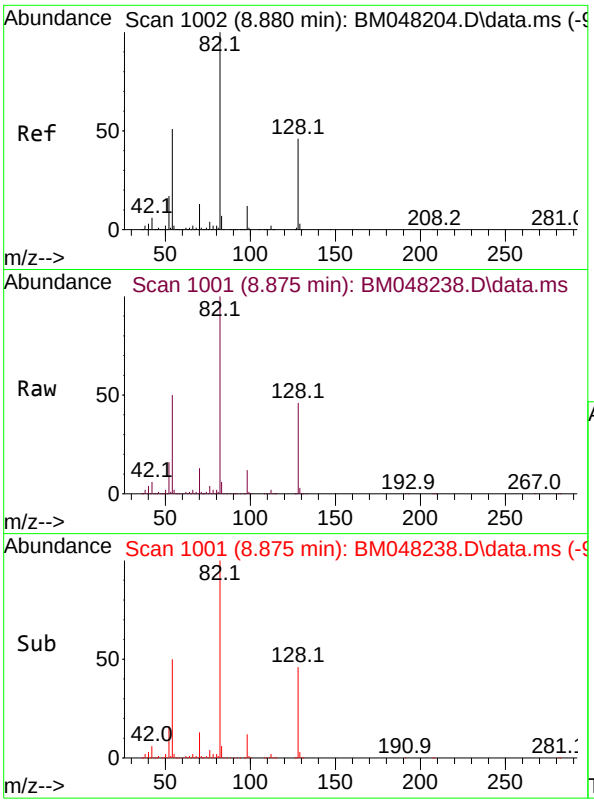


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1279
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Tgt Ion:136 Resp: 870137

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.8	6.5	9.7
68	5.5	4.6	6.8



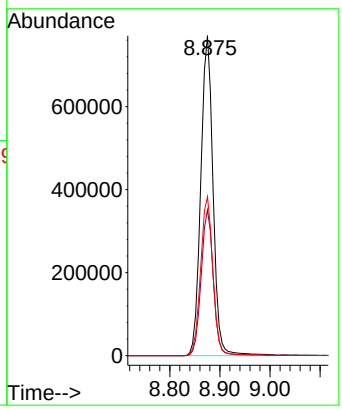


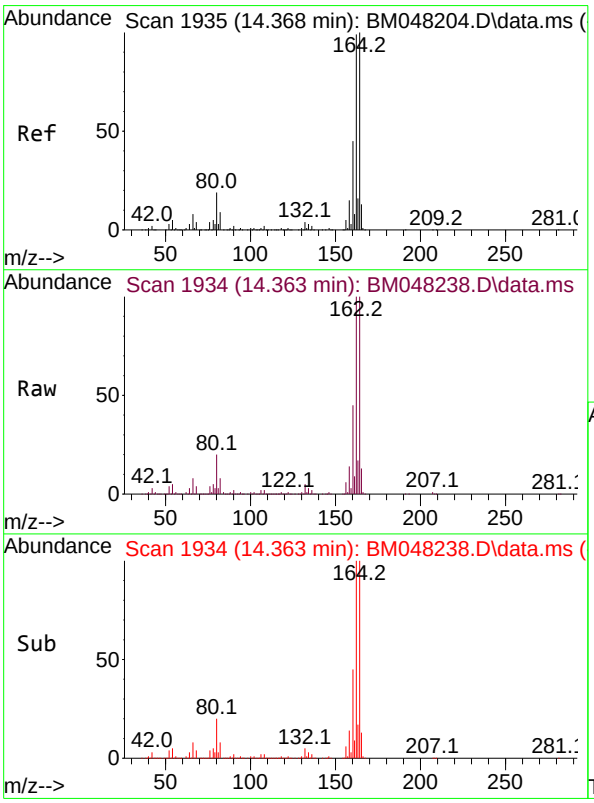
#23
Nitrobenzene-d5
Concen: 85.418 ng
RT: 8.875 min Scan# 1(
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Tgt Ion: 82 Resp: 1316356

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.6	54.8
54	49.7	41.0	61.4

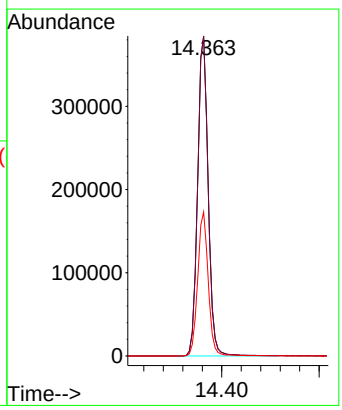


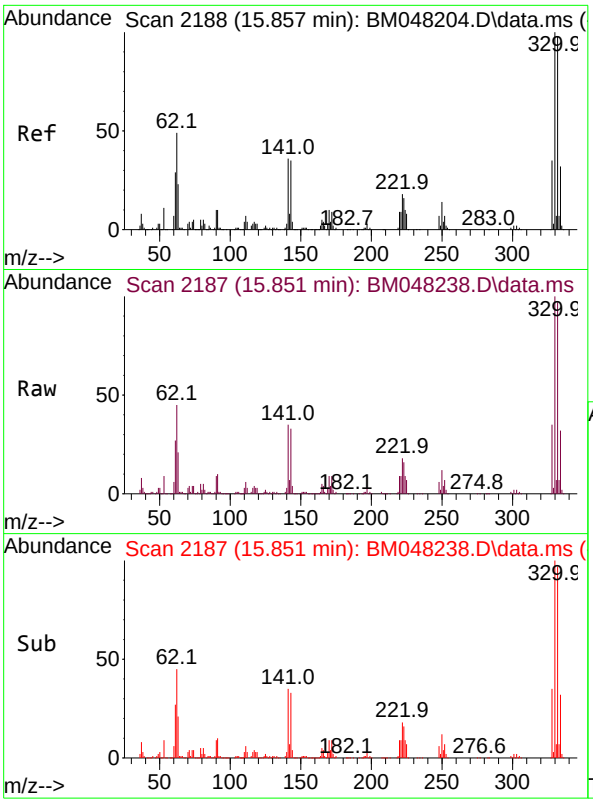


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Tgt Ion:164 Resp: 580161

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.1	118.7
160	45.0	35.8	53.8



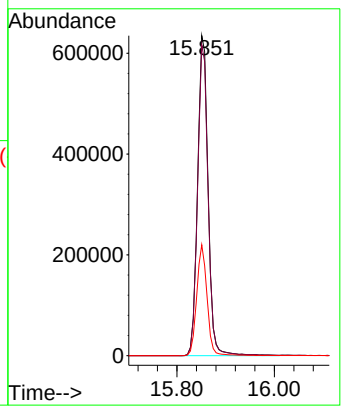


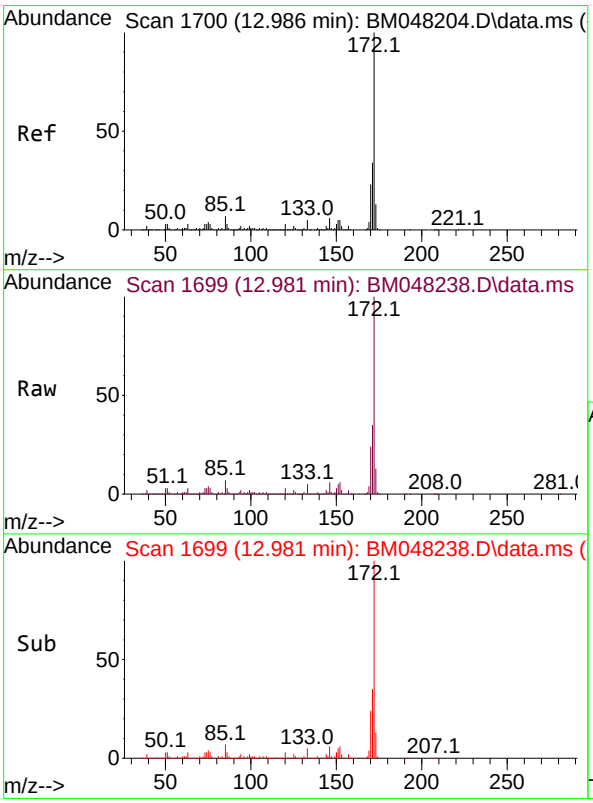
#42
2,4,6-Tribromophenol
Concen: 134.875 ng
RT: 15.851 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Tgt Ion:330 Resp: 957777

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.5	116.3
141	34.0	27.5	41.3

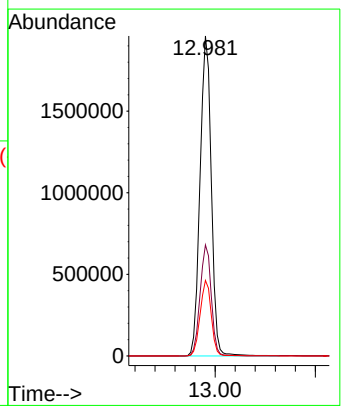


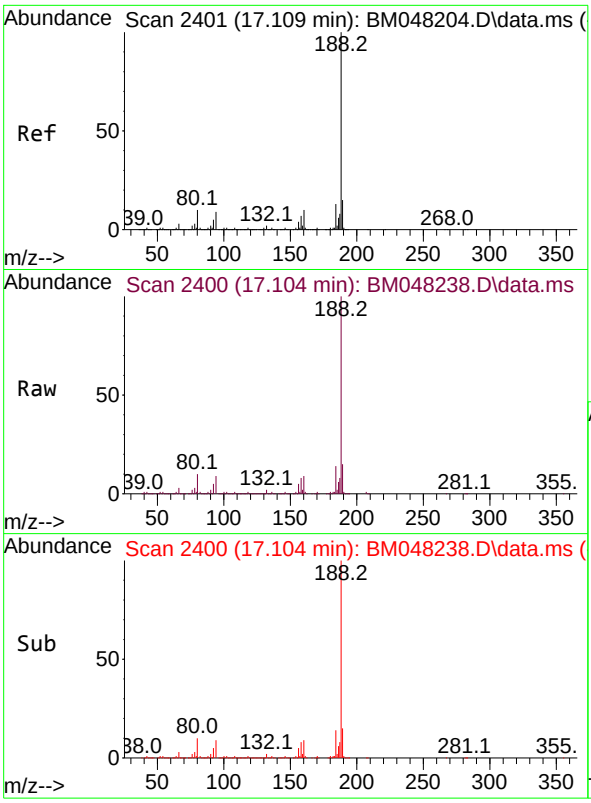


#45
2-Fluorobiphenyl
Concen: 80.622 ng
RT: 12.981 min Scan# 1699
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Tgt Ion:172 Resp: 3048150

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.4	41.0
170	23.6	18.5	27.7



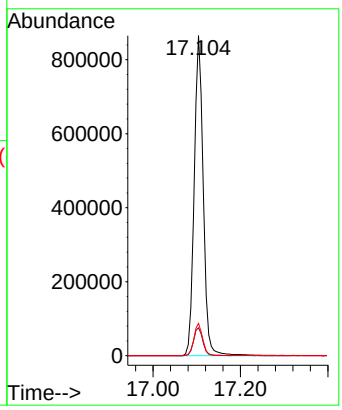


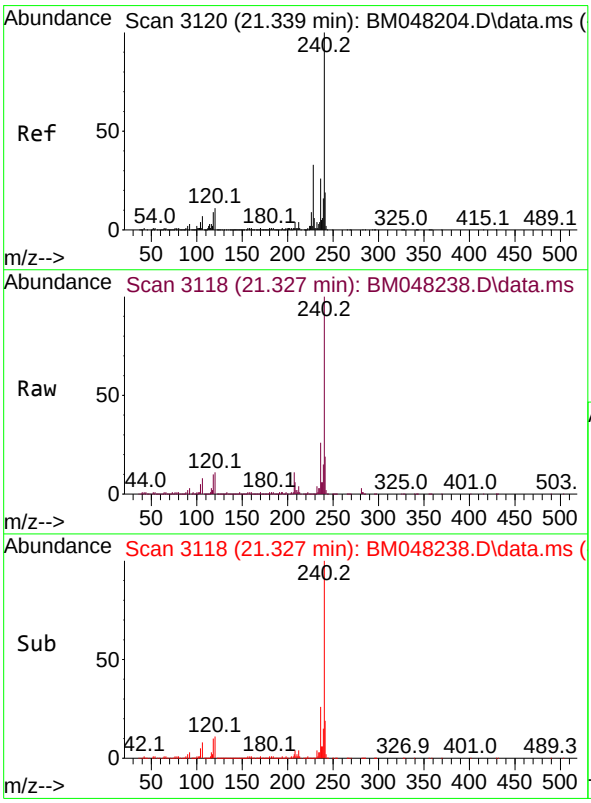
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 24
Delta R.T. -0.005 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Tgt Ion:188 Resp: 1247446

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.3	10.9
80	10.1	8.0	12.0

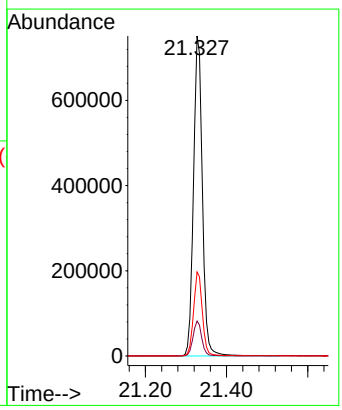


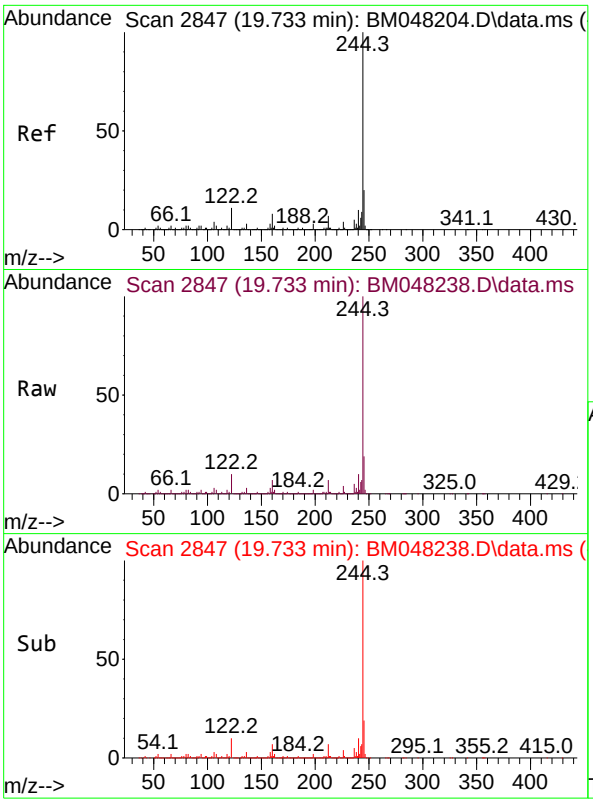


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.011 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Tgt Ion:240 Resp: 1150084

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.6	13.0
236	26.3	20.7	31.1



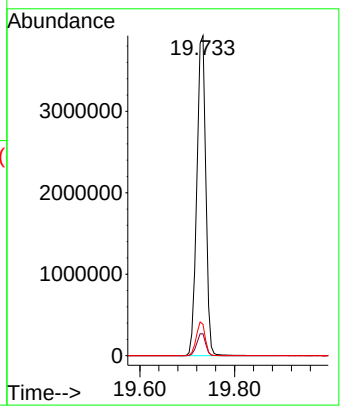


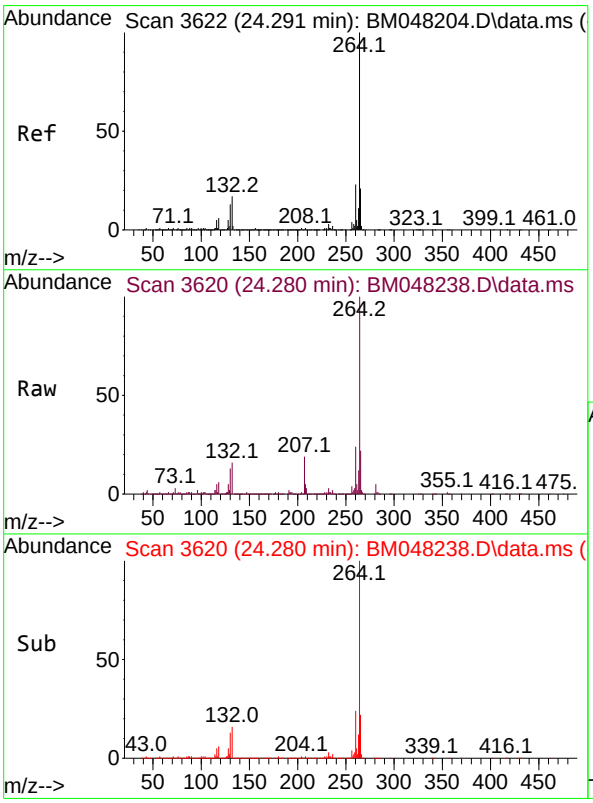
#79
Terphenyl-d14
Concen: 91.559 ng
RT: 19.733 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Tgt Ion:244 Resp: 5159936

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	9.8	8.8	13.2

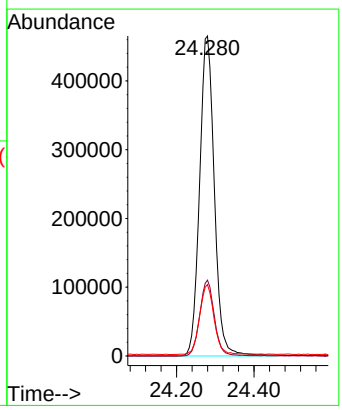




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.280 min Scan# 3620
Delta R.T. -0.011 min
Lab File: BM048238.D
Acq: 25 Oct 2024 16:21

Tgt Ion:264 Resp: 1229812

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	22.3	17.4	26.2



Sample Results: **BM048238.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

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_M\Methods\8270-BM102324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM048238.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.834	308	314	325	rVB	130927	208716	1.56%	0.377%
2	5.305	387	394	405	rBV	2364539	3558615	26.64%	6.426%
3	6.893	656	664	679	rBV	1925312	3248141	24.31%	5.866%
4	7.716	797	804	812	rBV	753795	1217650	9.11%	2.199%
5	8.875	992	1001	1014	rBV	2211319	3772599	28.24%	6.813%
6	10.504	1268	1278	1291	rBV	941822	1742255	13.04%	3.146%
7	12.981	1692	1699	1717	rBV	5570296	8616290	64.49%	15.560%
8	14.363	1925	1934	1947	rBV	1603286	2445054	18.30%	4.415%
9	15.722	2160	2165	2173	rBV	282406	411602	3.08%	0.743%
10	15.851	2180	2187	2210	rBV	4807555	7295481	54.61%	13.174%
11	17.104	2393	2400	2412	rBV	2026327	2928465	21.92%	5.288%
12	17.998	2547	2552	2558	rBV	113571	185490	1.39%	0.335%
13	19.727	2840	2846	2858	rBV	9998151	13360307	100.00%	24.127%
14	21.327	3113	3118	3130	rVB2	2051498	3175920	23.77%	5.735%
15	24.280	3612	3620	3635	rVB	1240770	3209344	24.02%	5.796%

Sum of corrected areas: 55375929

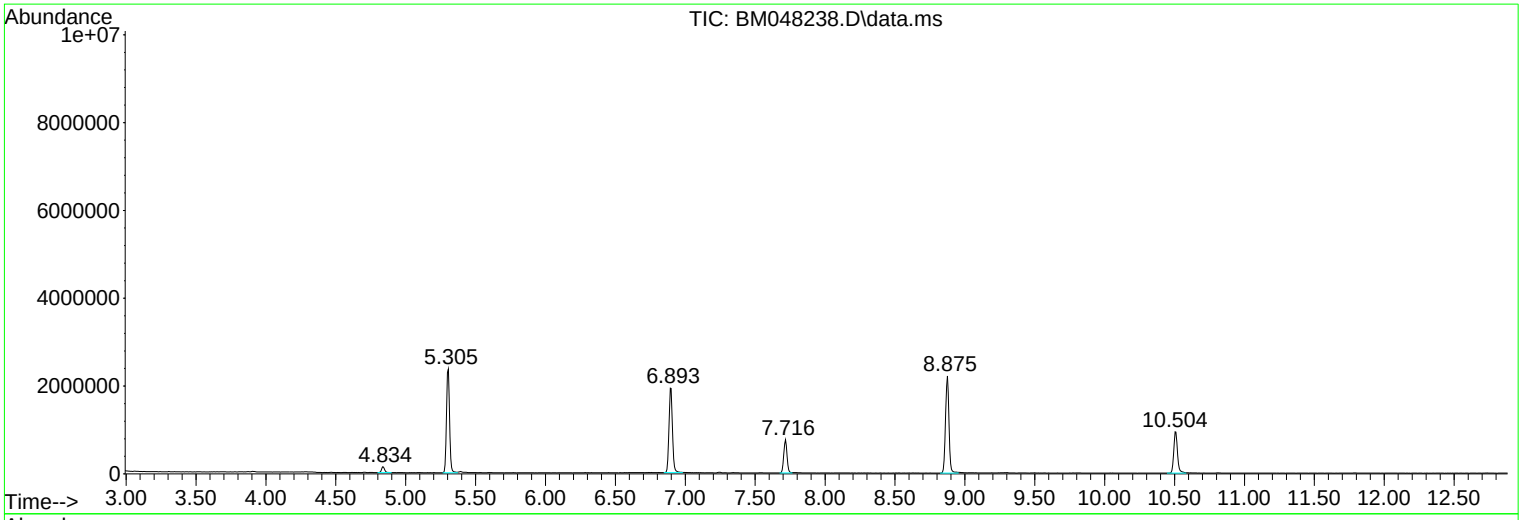
Sample Results: **BM048238.D**

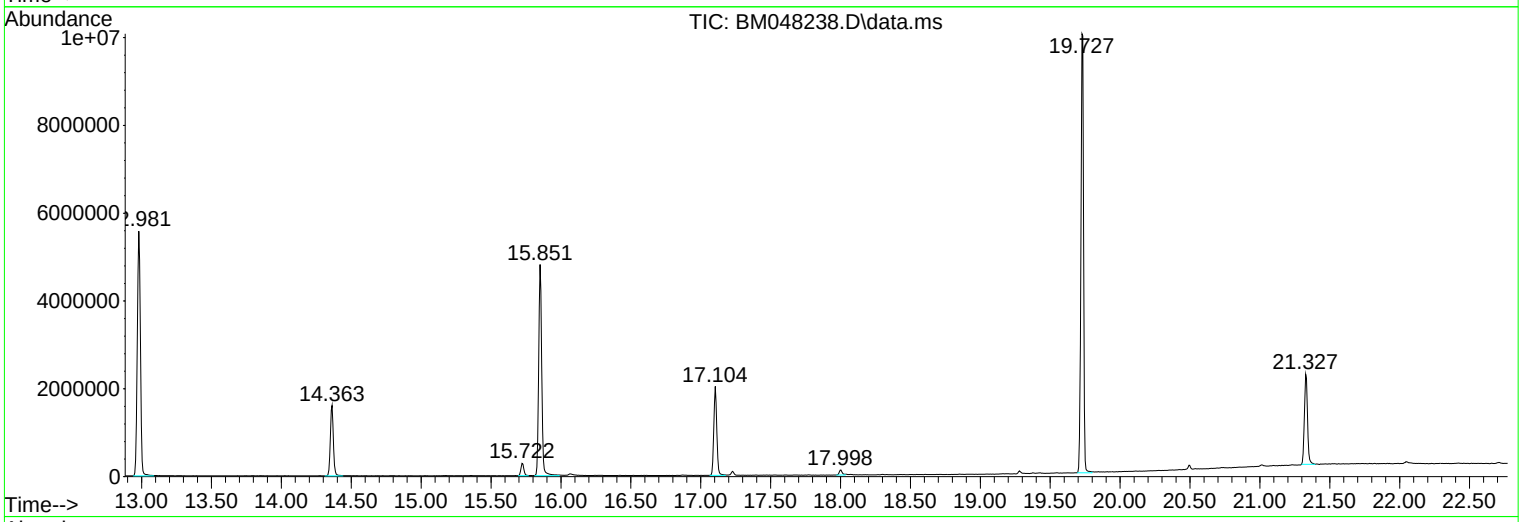
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

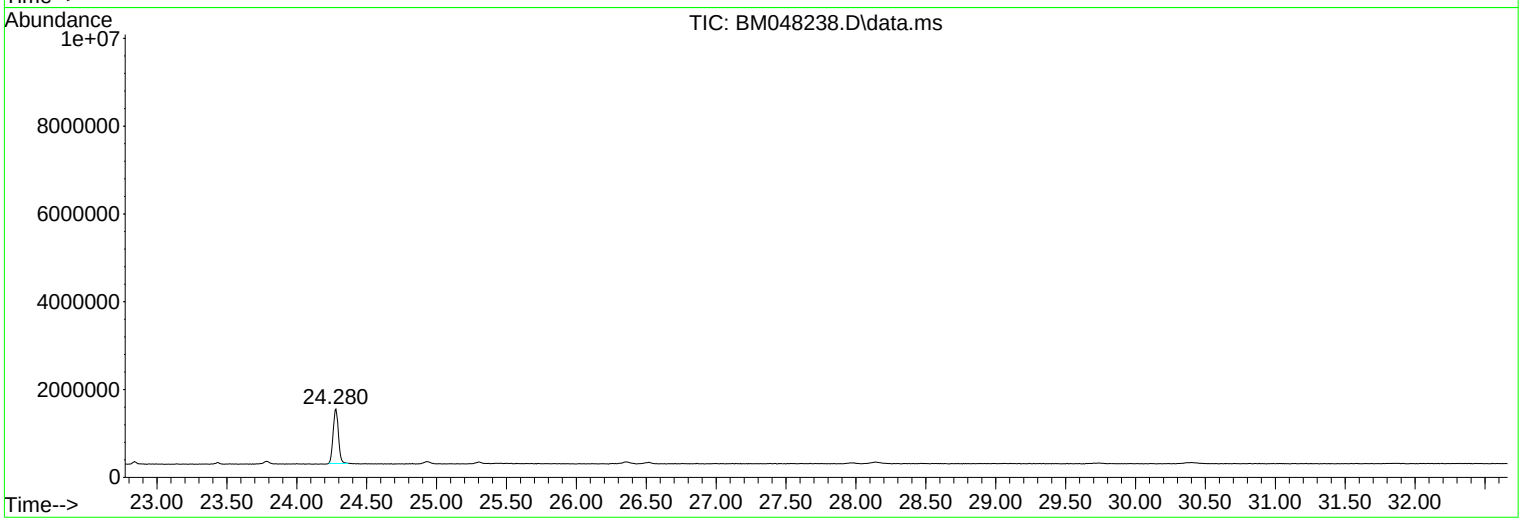
Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.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_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

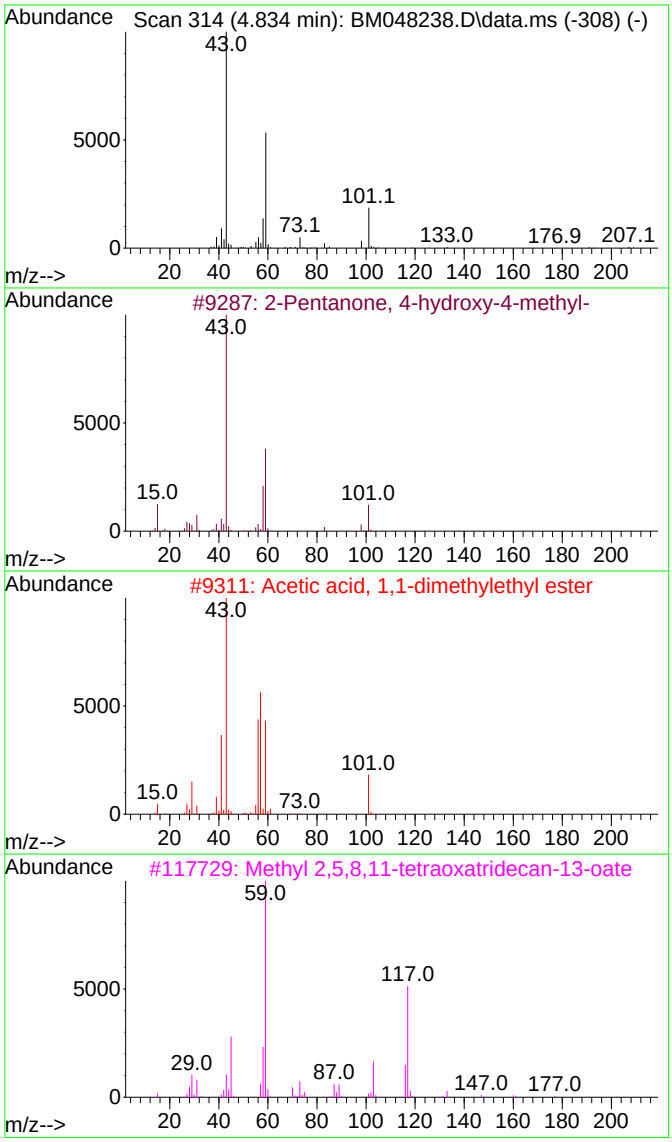
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

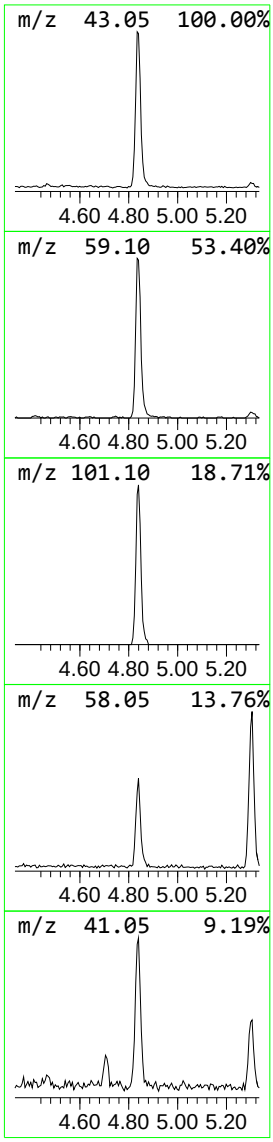
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.834	3.43 ng	208716	1,4-Dichlorobenzene-d4	7.716

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	45
3	Methyl 2,5,8,11-tetraoxatridecan...	236	C10H20O6	1000366-78-2	28
4	2-Butanol, 1-methoxy-	104	C5H12O2	053778-73-7	25
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

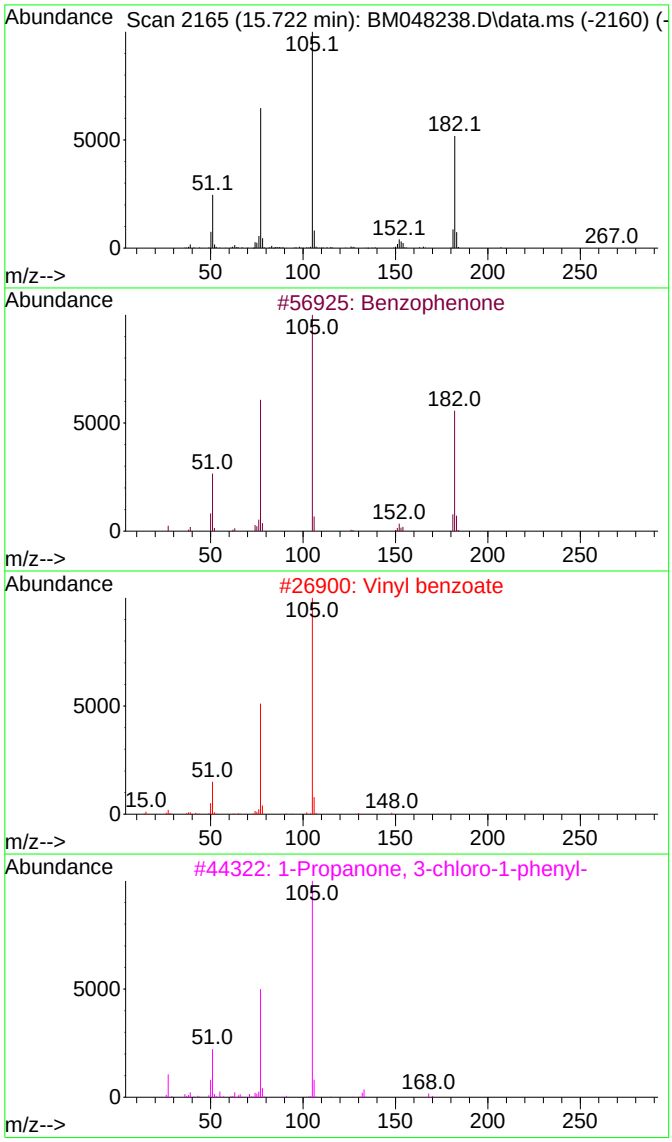
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TIC Integration Parameters: LSCINT.P

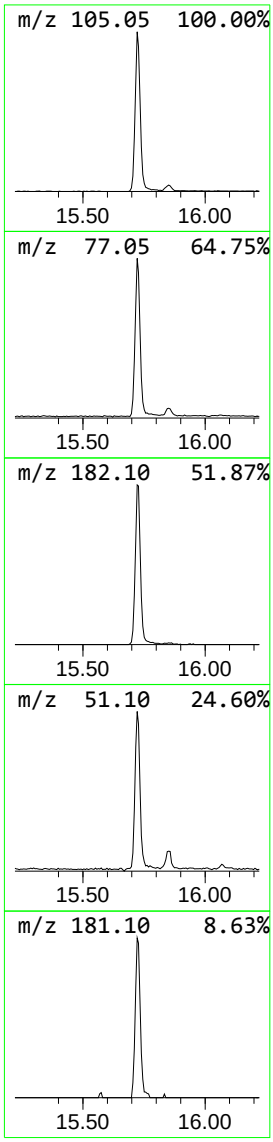
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.722	3.37 ng	411602	Acenaphthene-d10	14.363

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Vinyl benzoate	148	C9H8O2	000769-78-8	47
3	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048238.D
Acq On : 25 Oct 2024 16:21
Operator : RC/JU
Sample : P4460-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WB-303-SW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.834	3.4	ng	208716	1	7.716	1217650	20.0
Benzophenone	15.722	3.4	ng	411602	3	14.363	2445050	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Quant Time: Oct 23 14:28:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

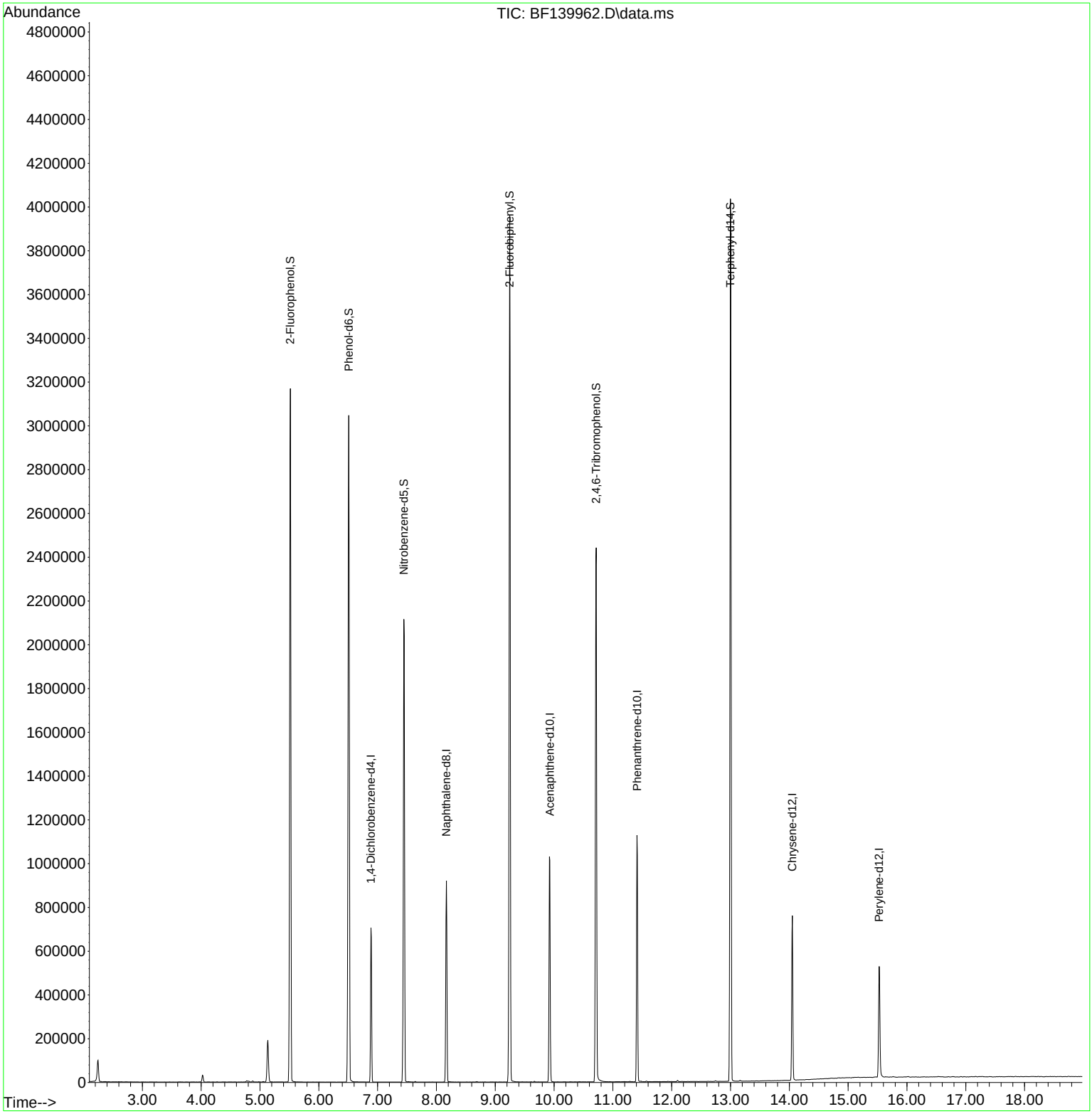
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	146341	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	564292	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	320476	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	596529	20.000	ng	0.00
76) Chrysene-d12	14.051	240	356991	20.000	ng	0.00
86) Perylene-d12	15.527	264	312503	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1257004	134.468	ng	0.02
7) Phenol-d6	6.510	99	1582027	130.669	ng	0.00
23) Nitrobenzene-d5	7.445	82	1012283	99.424	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	468968	156.446	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1837259	94.748	ng	0.00
79) Terphenyl-d14	12.998	244	2156843	98.449	ng	0.00
Target Compounds						Qvalue

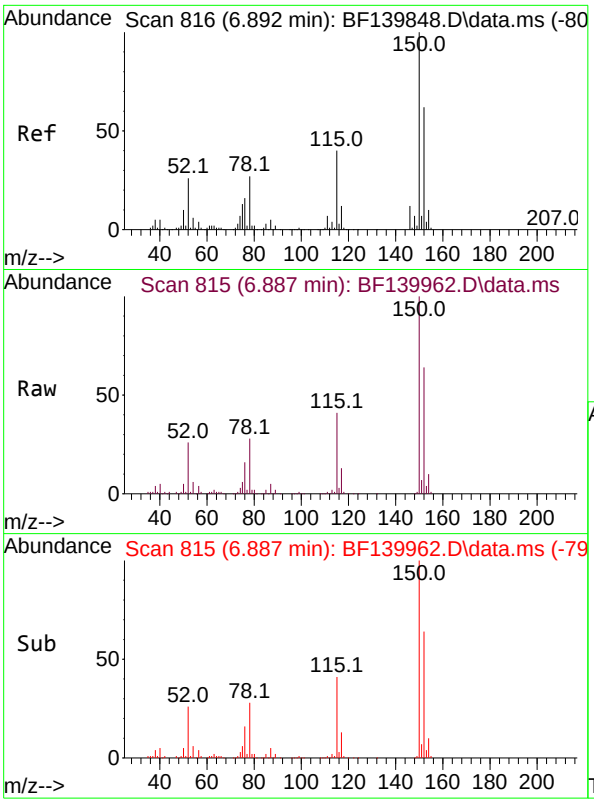
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Quant Time: Oct 23 14:28:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



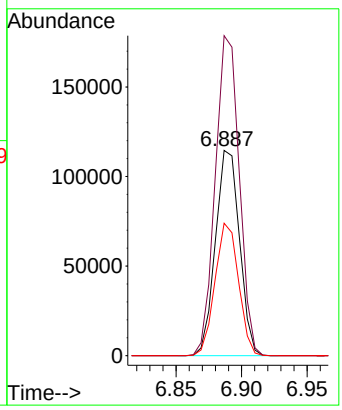


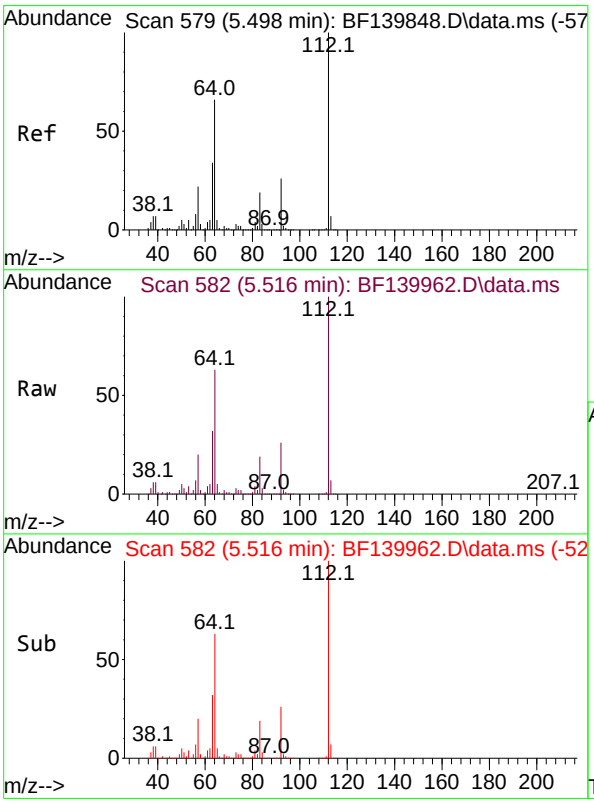
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Tgt Ion:152 Resp: 146341

Ion	Ratio	Lower	Upper
152	100		
150	155.9	130.2	195.2
115	64.5	51.4	77.2

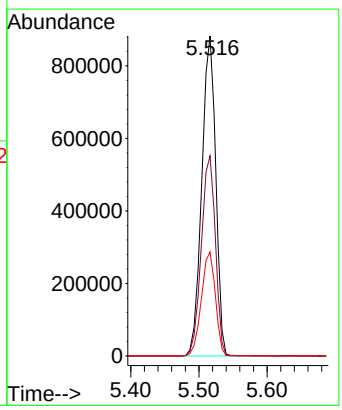


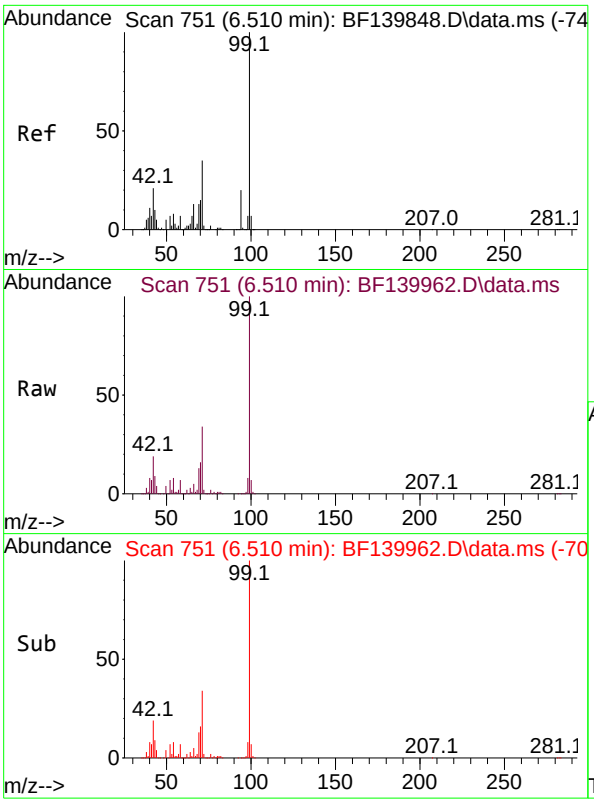


#5
2-Fluorophenol
Concen: 134.468 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Tgt Ion:112 Resp: 1257004

Ion	Ratio	Lower	Upper
112	100		
64	62.6	53.0	79.6
63	32.5	27.0	40.4



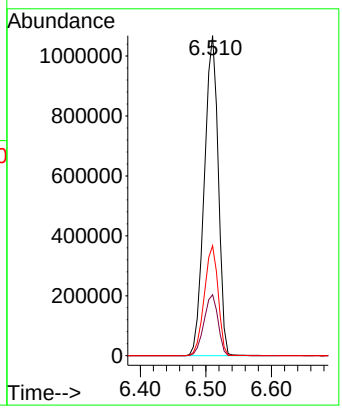


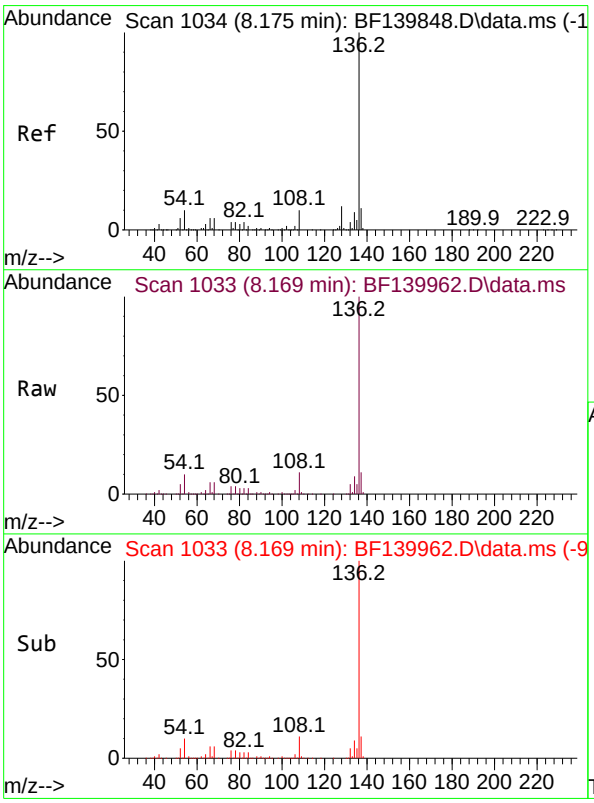
#7
Phenol-d6
Concen: 130.669 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Tgt Ion: 99 Resp: 1582027

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.7	25.1
71	34.3	27.7	41.5

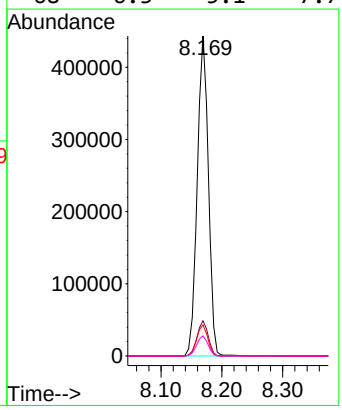


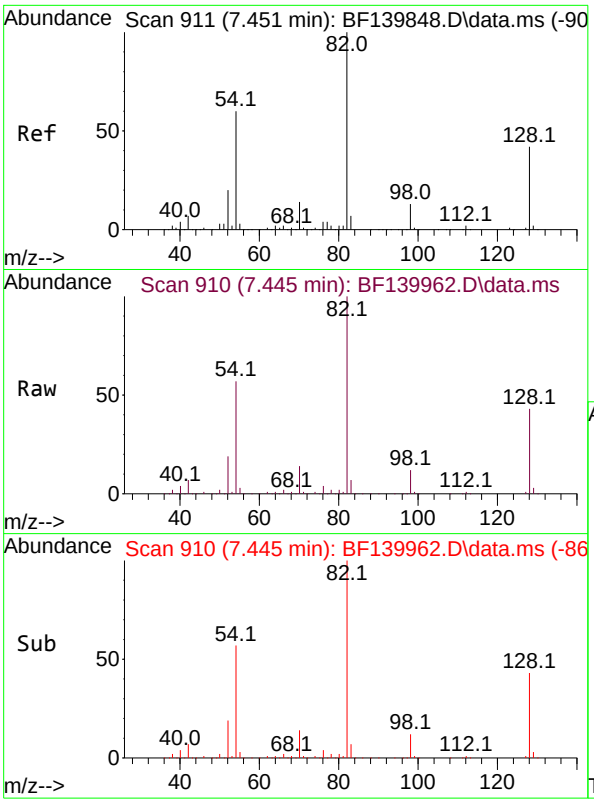


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Tgt Ion:136 Resp: 564292

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.7	8.4	12.6
68	6.3	5.1	7.7



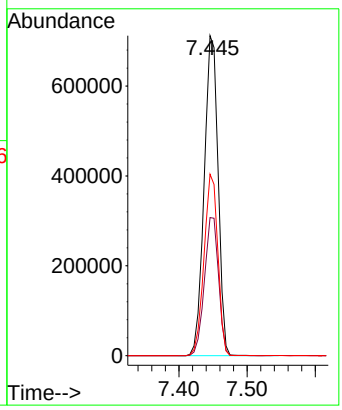


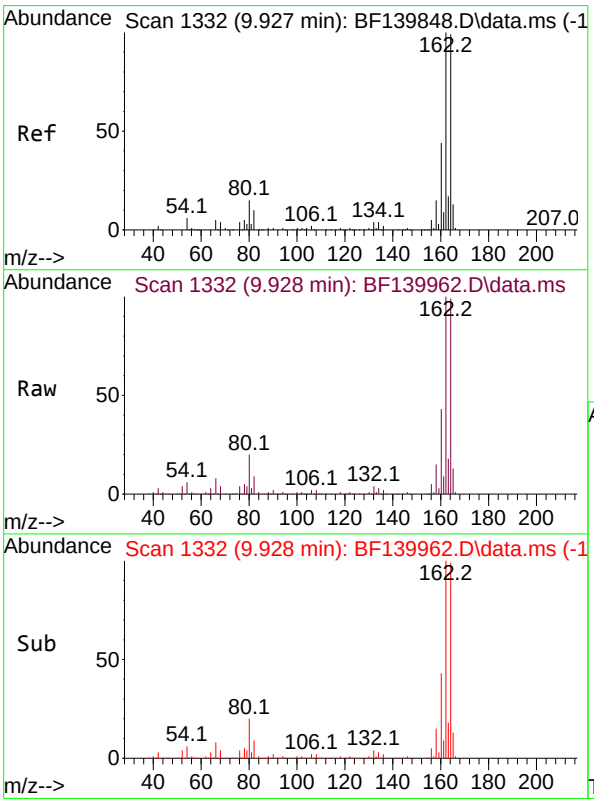
#23
Nitrobenzene-d5
Concen: 99.424 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Tgt Ion: 82 Resp: 1012283

Ion	Ratio	Lower	Upper
82	100		
128	43.2	33.4	50.0
54	56.7	47.8	71.8

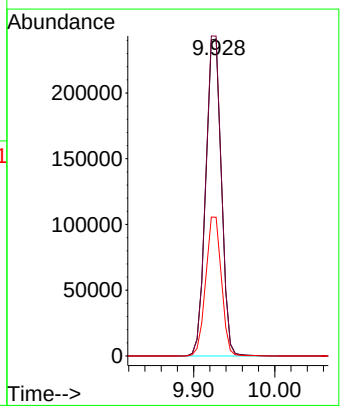


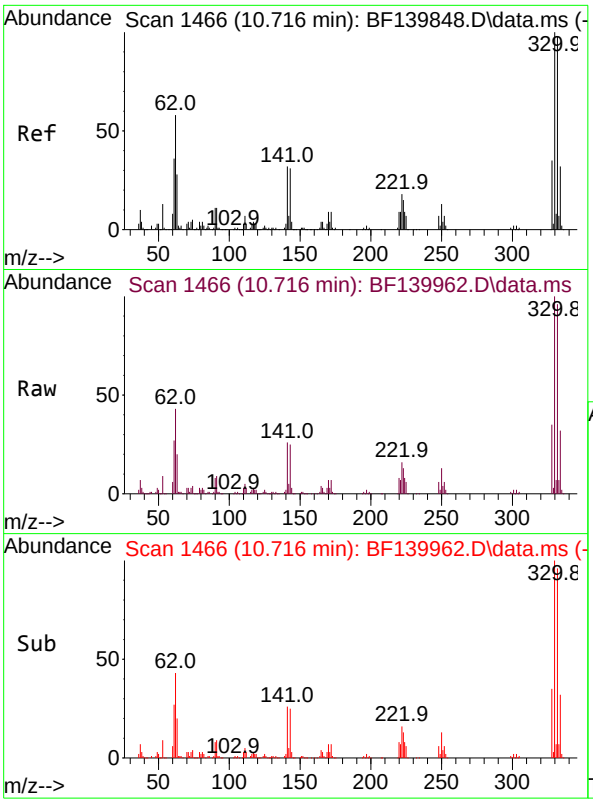


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Tgt Ion:164 Resp: 320476

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.0	121.4
160	43.8	35.4	53.0



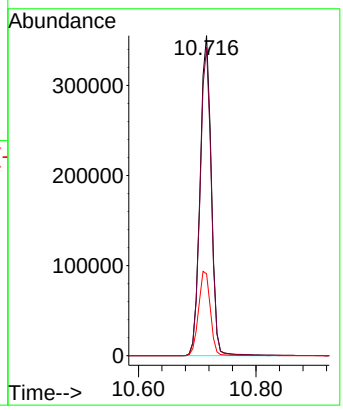


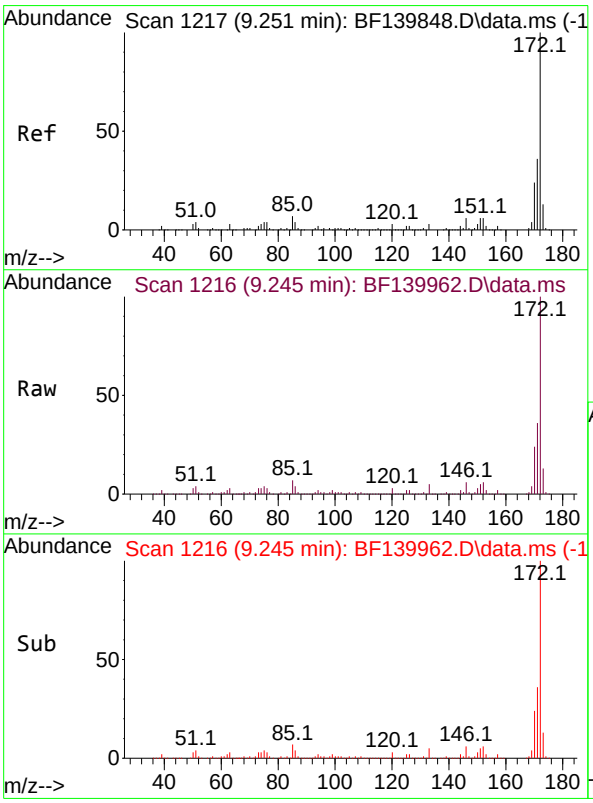
#42
2,4,6-Tribromophenol
Concen: 156.446 ng
RT: 10.716 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Tgt Ion:330 Resp: 468968

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.1	117.1
141	27.8	26.6	39.8

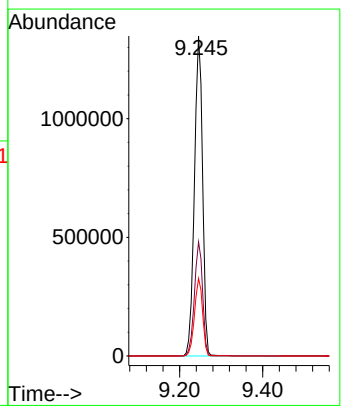


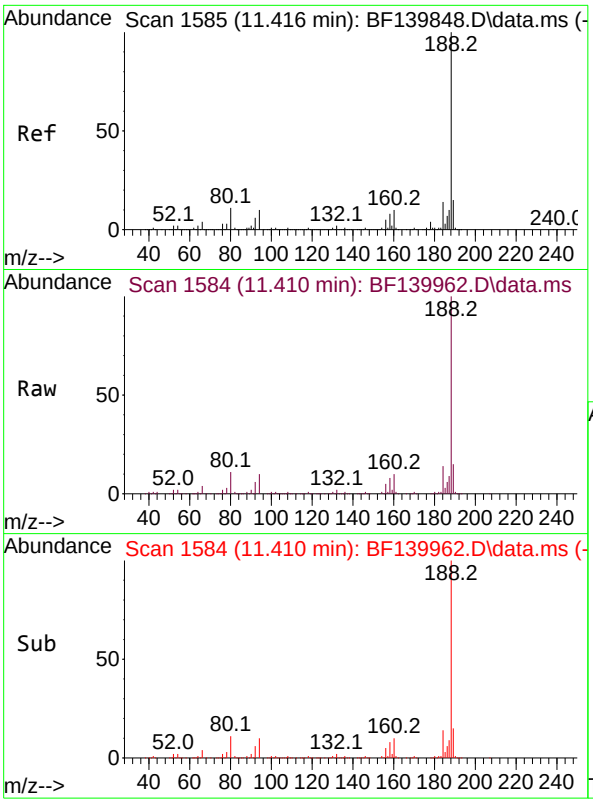


#45
2-Fluorobiphenyl
Concen: 94.748 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Tgt Ion:172 Resp: 1837259

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	24.2	19.1	28.7



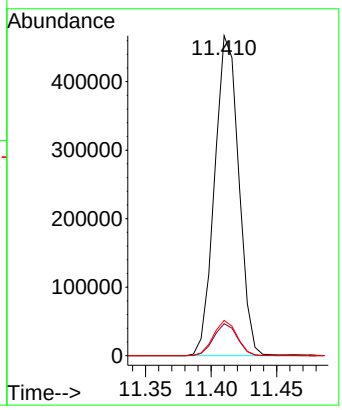


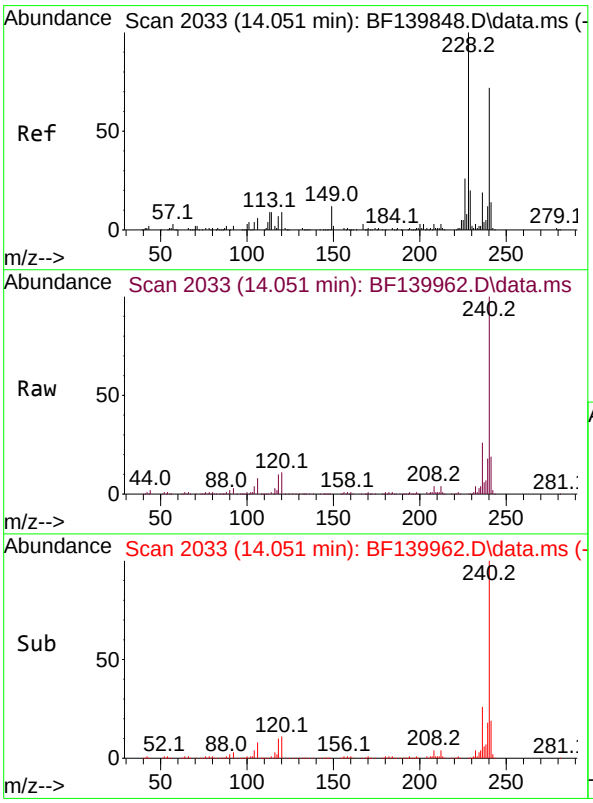
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Tgt Ion:188 Resp: 596529

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.9	11.9
80	11.0	9.0	13.4

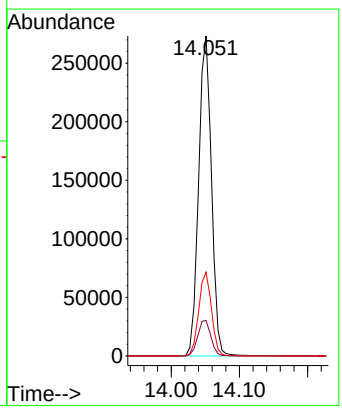


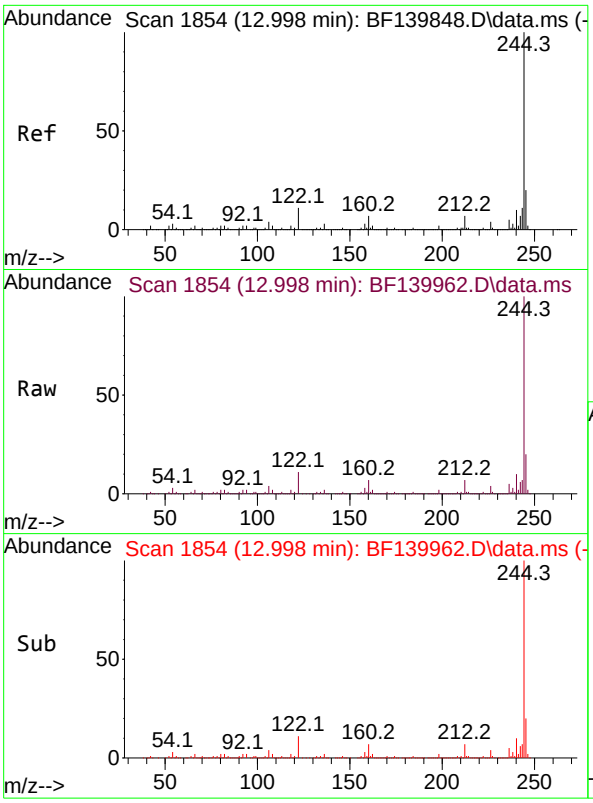


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Tgt Ion:240 Resp: 356991

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.4	14.2
236	26.2	20.9	31.3



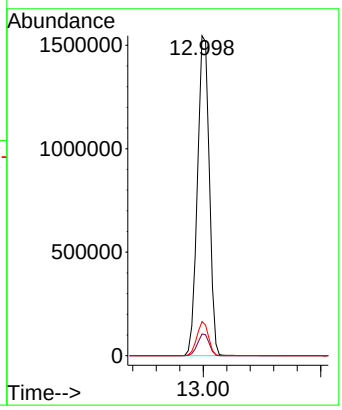


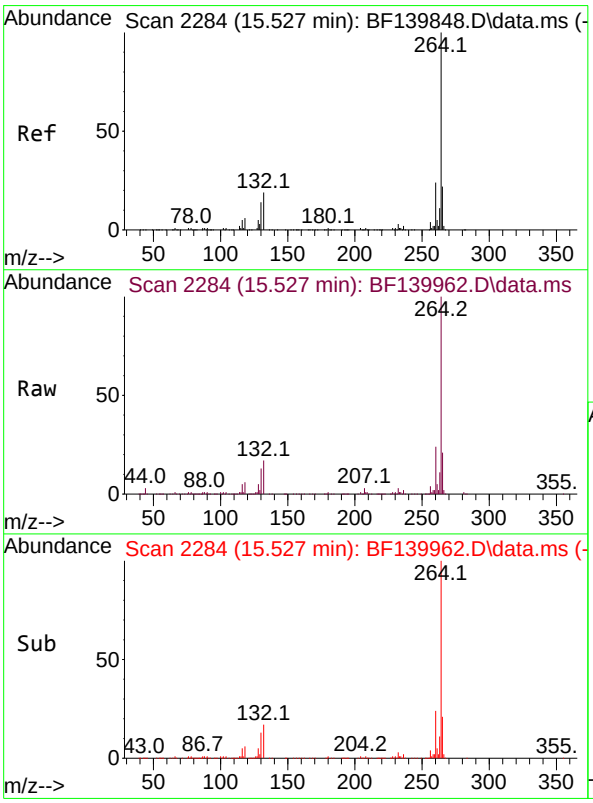
#79
Terphenyl-d14
Concen: 98.449 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Tgt Ion:244 Resp: 2156843

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.6	8.6	13.0

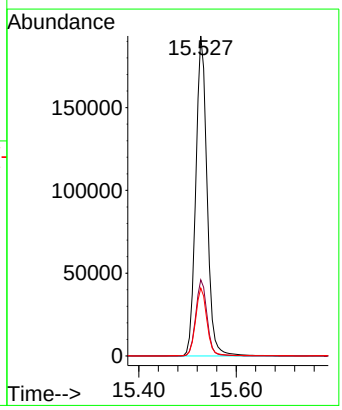




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139962.D
Acq: 23 Oct 2024 14:04

Tgt Ion:264 Resp: 312503

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	21.3	17.4	26.0



Sample Results: **BF139962.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164286BL

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-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF139962.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.246	16	26	32	rVB	96327	169159	3.05%	0.506%
2	5.134	509	517	526	rBV	191313	325538	5.87%	0.974%
3	5.516	575	582	587	rBV	3167895	4525109	81.53%	13.534%
4	6.510	744	751	756	rBV	3045622	4503924	81.15%	13.471%
5	6.887	810	815	821	rVB	704321	884368	15.93%	2.645%
6	7.445	904	910	916	rBV	2114373	3005131	54.15%	8.988%
7	8.169	1027	1033	1038	rBV	919728	1164539	20.98%	3.483%
8	9.245	1209	1216	1221	rBV	3958388	5341336	96.24%	15.975%
9	9.922	1325	1331	1344	rVB	1028668	1359976	24.50%	4.068%
10	10.716	1459	1466	1492	rBV	2440568	3383675	60.97%	10.120%
11	11.410	1579	1584	1590	rBV	1126626	1432080	25.80%	4.283%
12	12.998	1848	1854	1860	rBV	4031941	5550060	100.00%	16.599%
13	14.051	2027	2033	2044	rBV	751869	980332	17.66%	2.932%
14	15.527	2278	2284	2299	rBV	505903	809910	14.59%	2.422%

Sum of corrected areas: 33435137

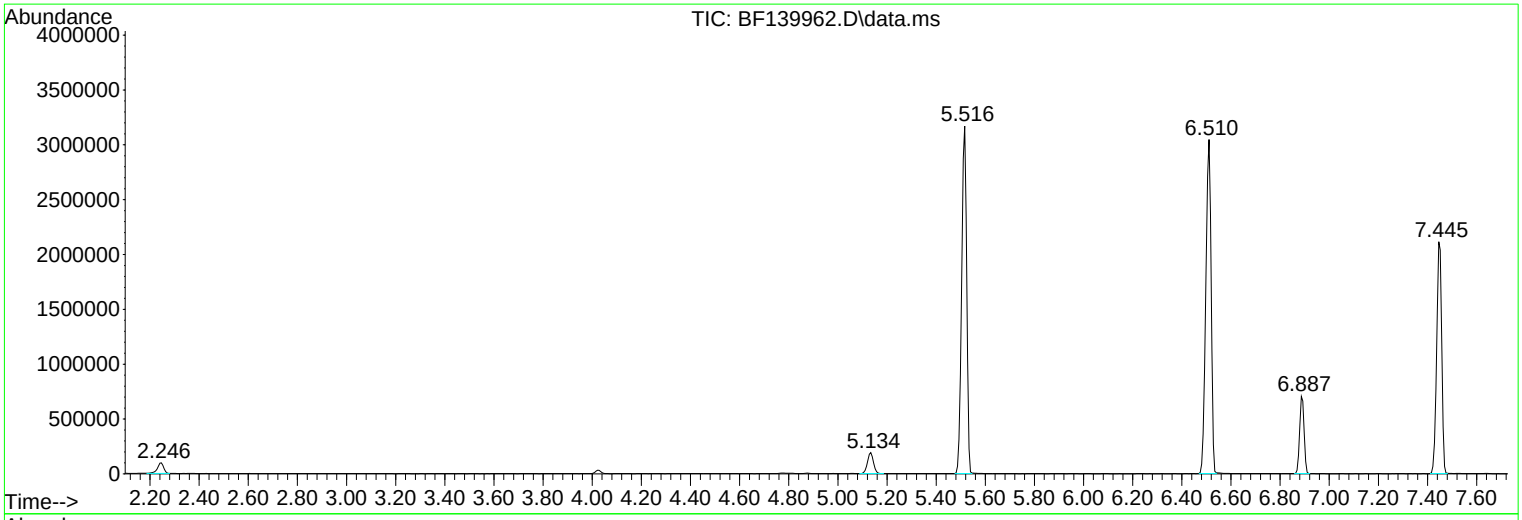
Sample Results: **BF139962.D**

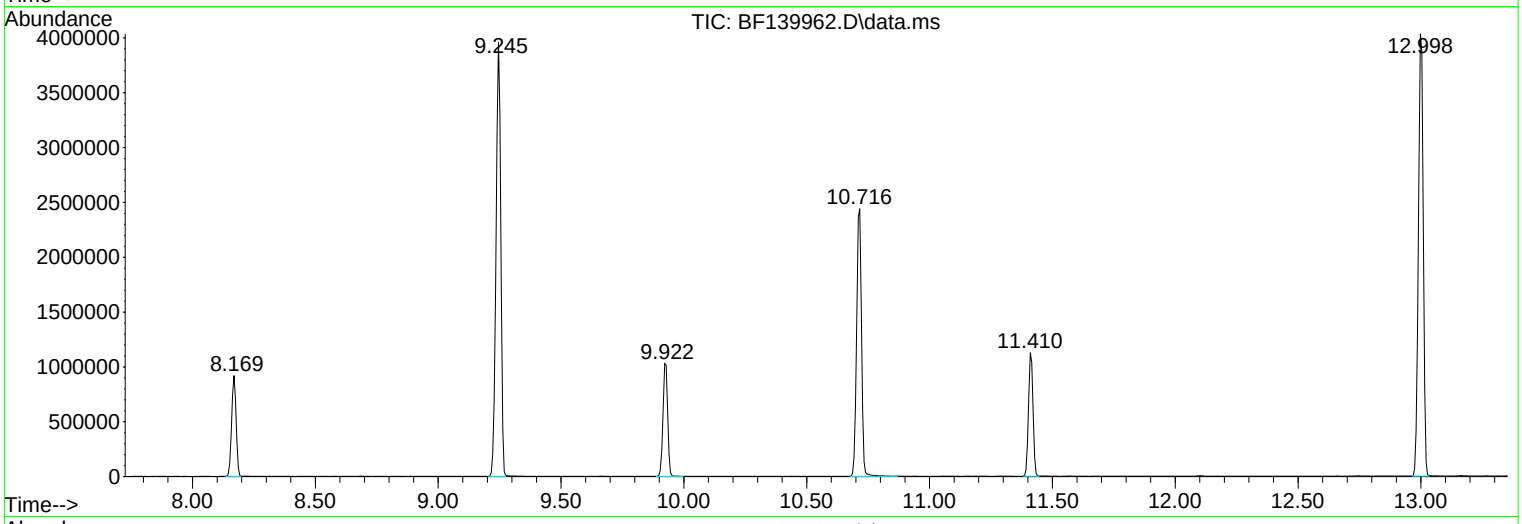
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Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

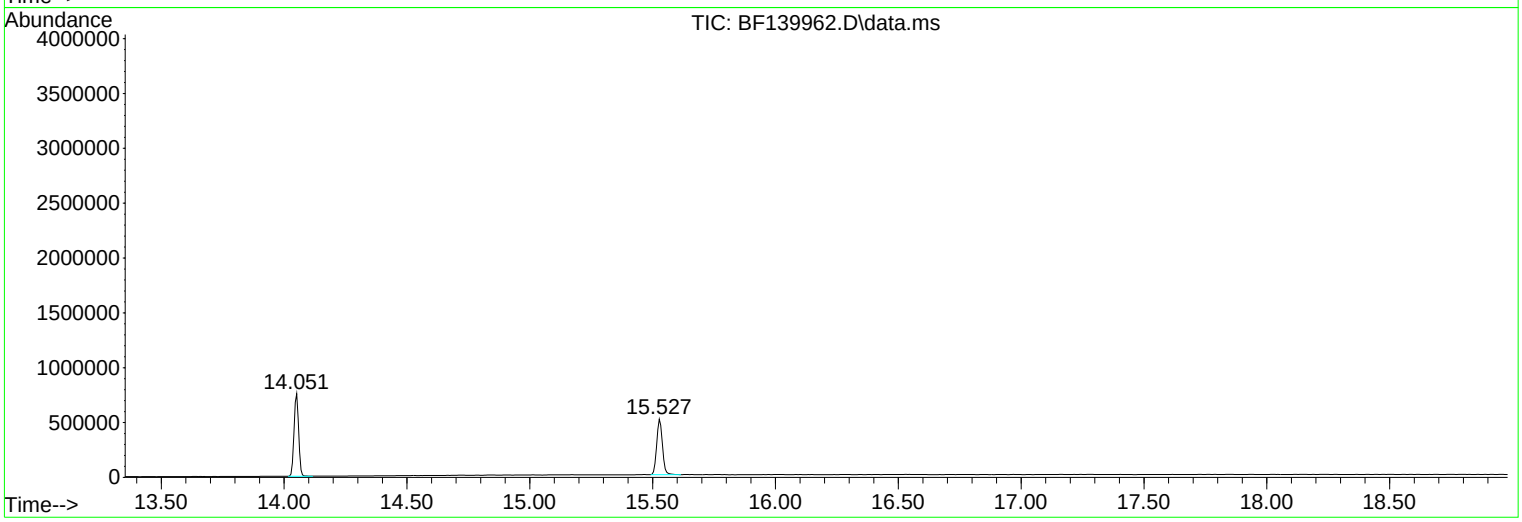
Instrument :
BNA_F
ClientSampleId :
PB164286BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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\BF102324\
Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

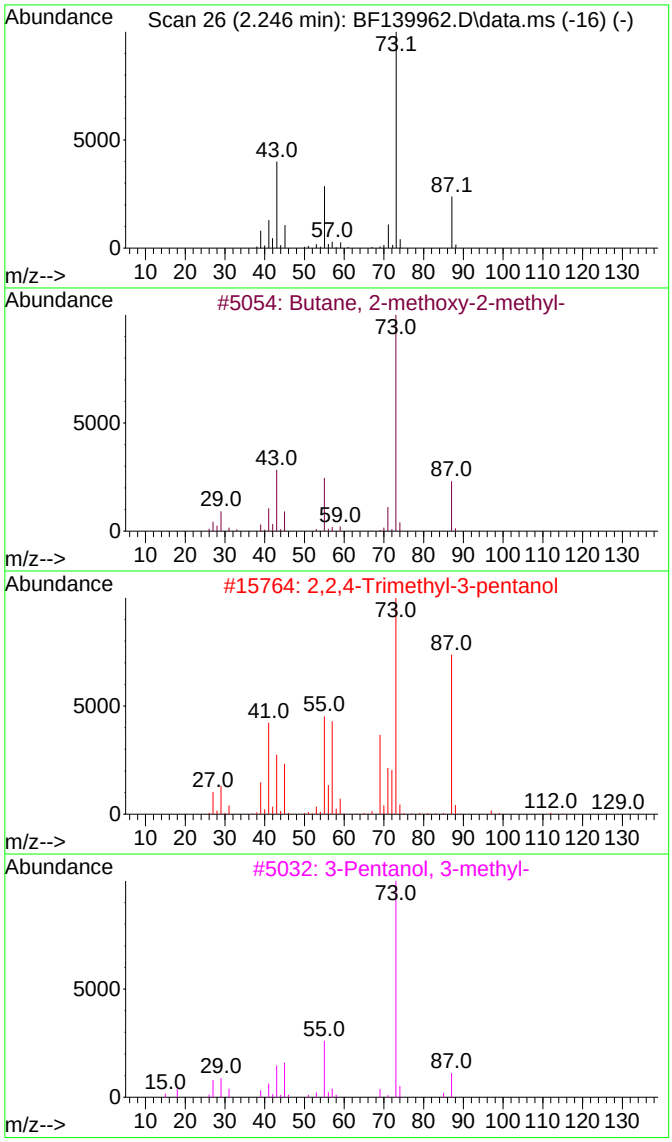
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TIC Integration Parameters: LSCINT.P

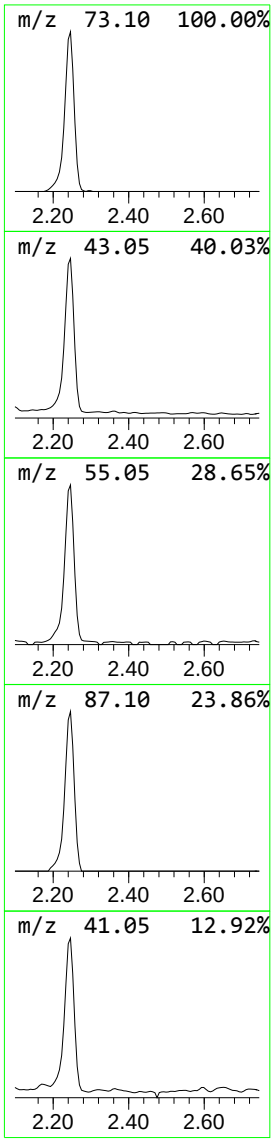
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.246	3.83 ng	169159	1,4-Dichlorobenzene-d4	6.887

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	25
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Boronic acid, ethyl-, dimethyl e...	102	C4H11BO2	007318-82-3	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

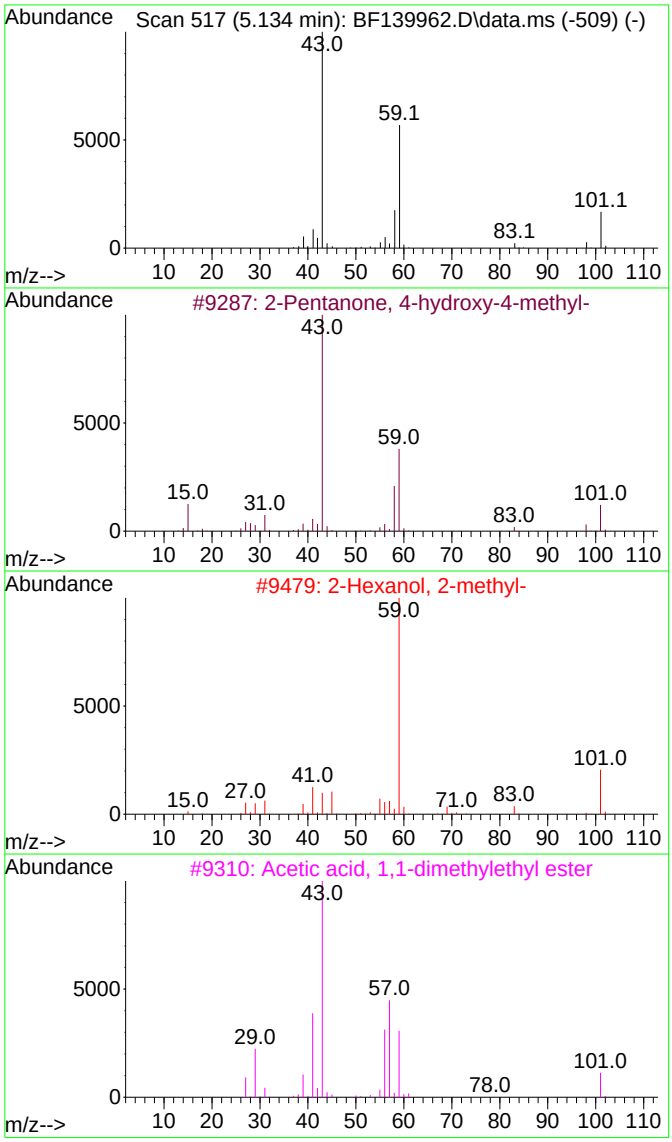
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TIC Integration Parameters: LSCINT.P

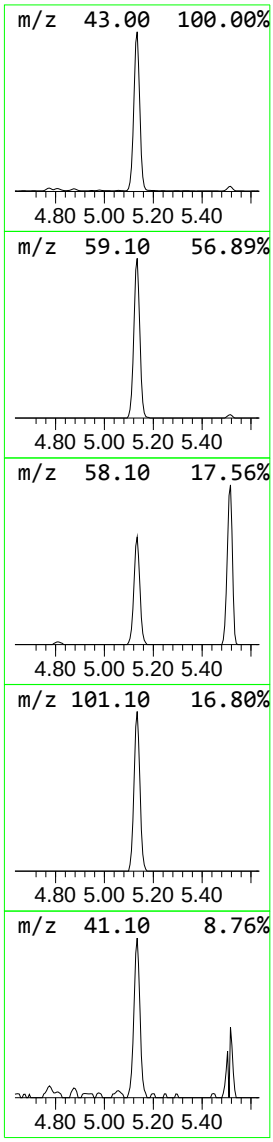
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.134	7.36 ng	325538	1,4-Dichlorobenzene-d4	6.887

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139962.D
Acq On : 23 Oct 2024 14:04
Operator : RC/JU
Sample : PB164286BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164286BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.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...	2.246	3.8	ng	169159	1	6.887	884368	20.0
2-Pentanone, 4-...	5.134	7.4	ng	325538	1	6.887	884368	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Quant Time: Oct 24 12:36:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

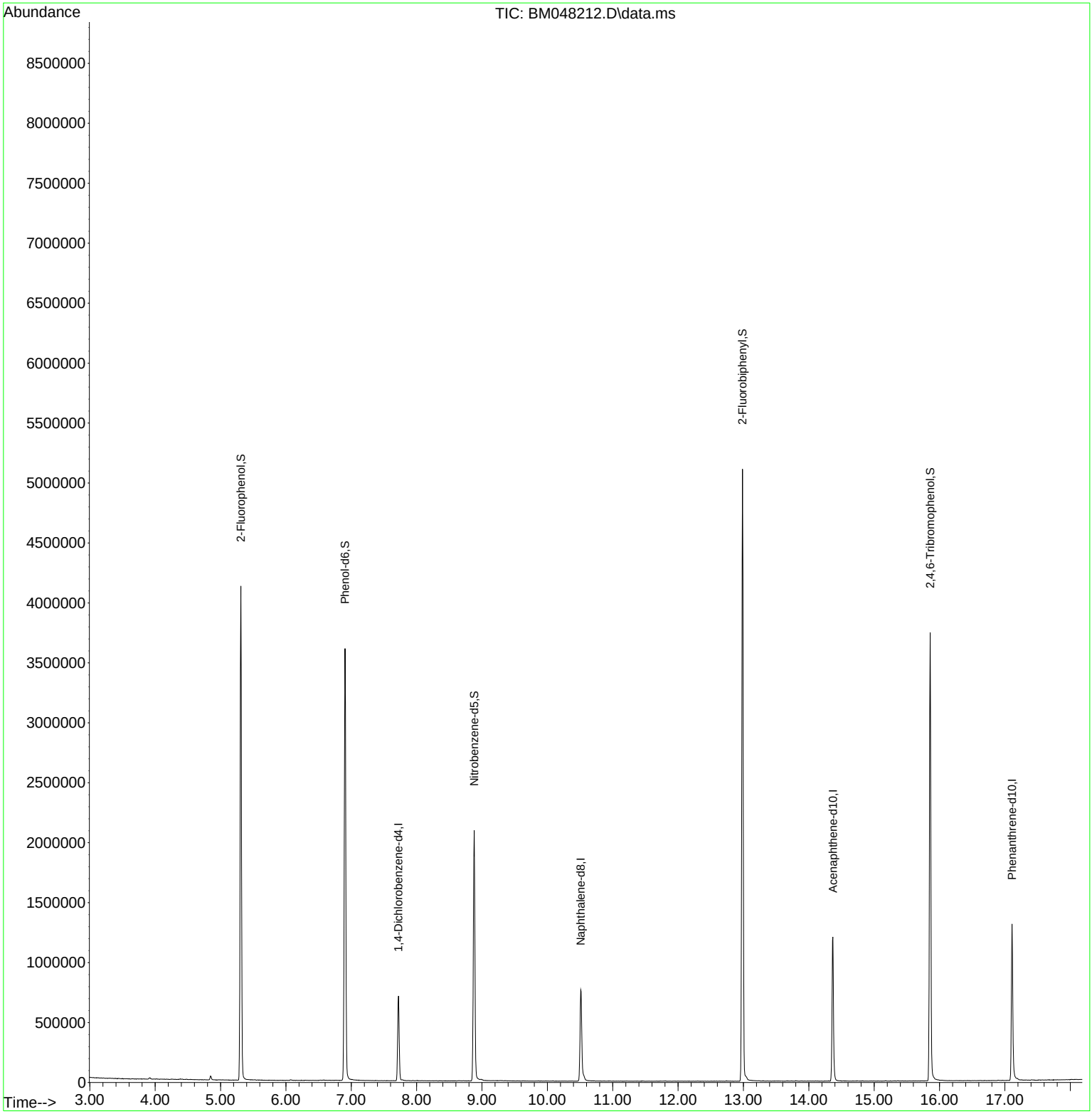
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	201808	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	755271	20.000	ng	0.00
39) Acenaphthene-d10	14.368	164	451085	20.000	ng	0.00
64) Phenanthrene-d10	17.109	188	855662	20.000	ng	0.00
76) Chrysene-d12	21.333	240	674681	20.000	ng	0.00
86) Perylene-d12	24.291	264	711330	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	1817481	151.386	ng	0.00
7) Phenol-d6	6.904	99	2155715	137.876	ng	0.00
23) Nitrobenzene-d5	8.881	82	1232464	92.137	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	732767	132.716	ng	0.00
45) 2-Fluorobiphenyl	12.986	172	2758153	93.827	ng	0.00
79) Terphenyl-d14	19.733	244	3487510	105.488	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BL

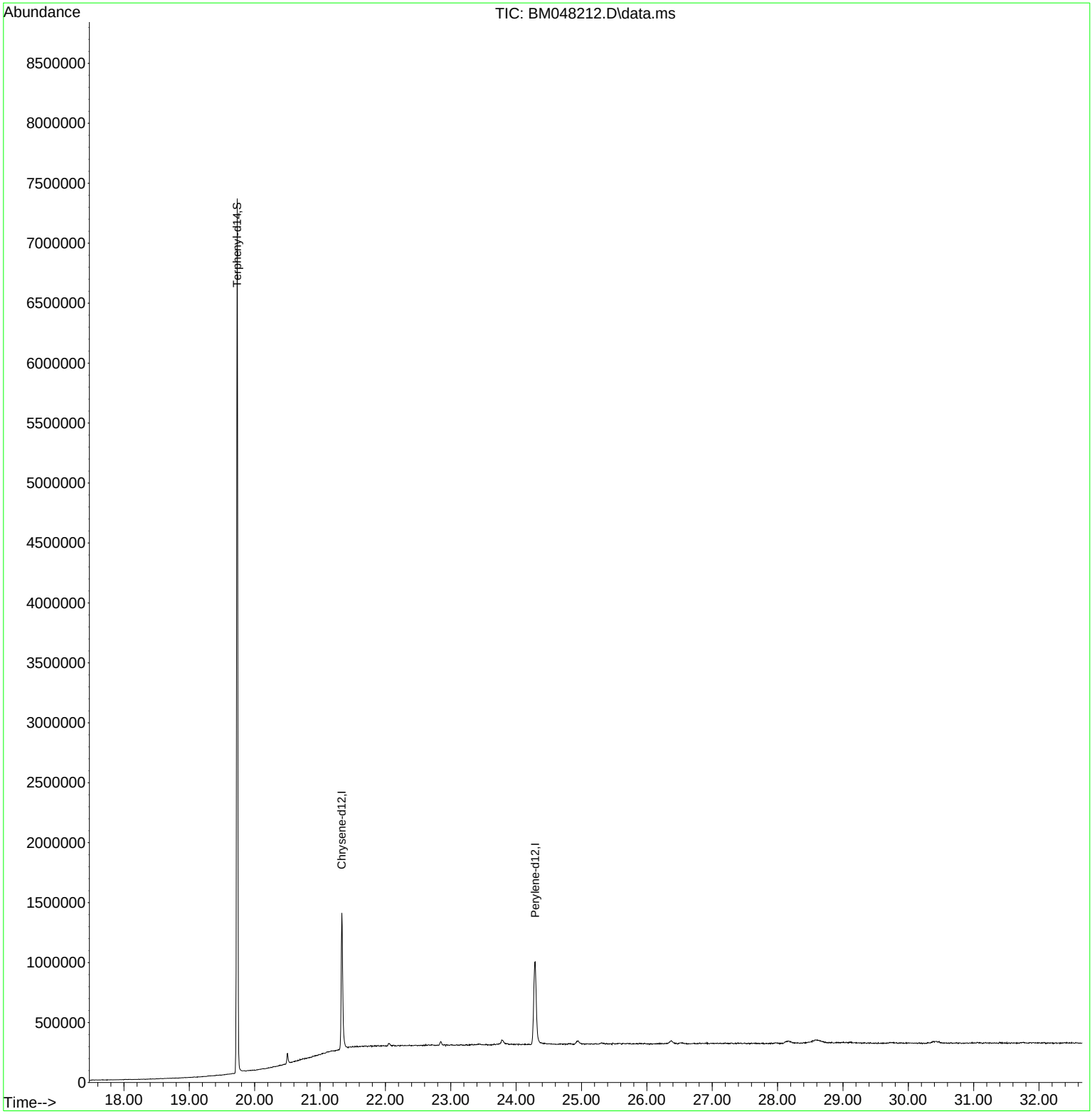
Quant Time: Oct 24 12:36:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

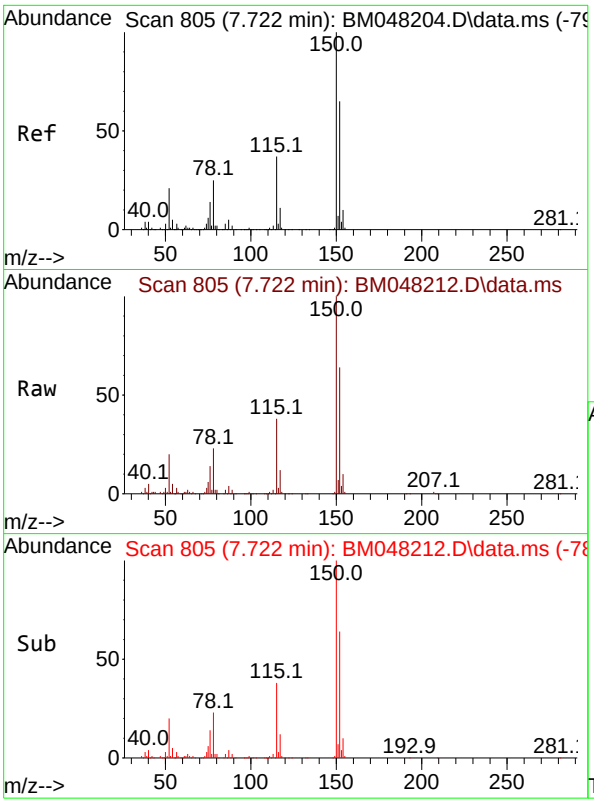


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Quant Time: Oct 24 12:36:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration



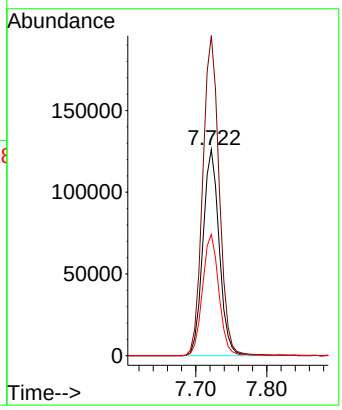


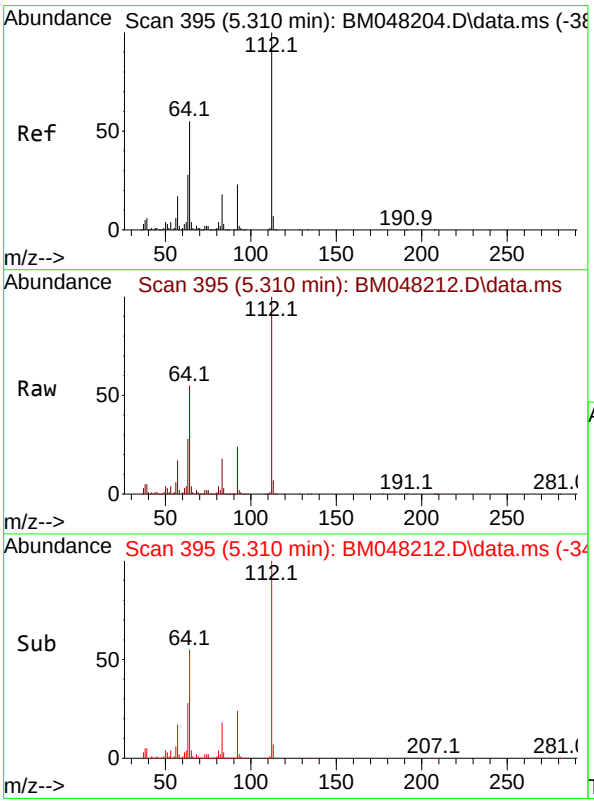
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 80
Delta R.T. -0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Tgt Ion:152 Resp: 201808

Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.0	184.6
115	58.8	45.8	68.6

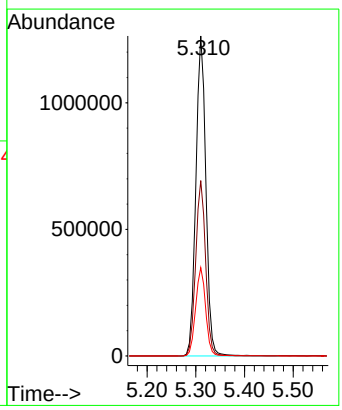


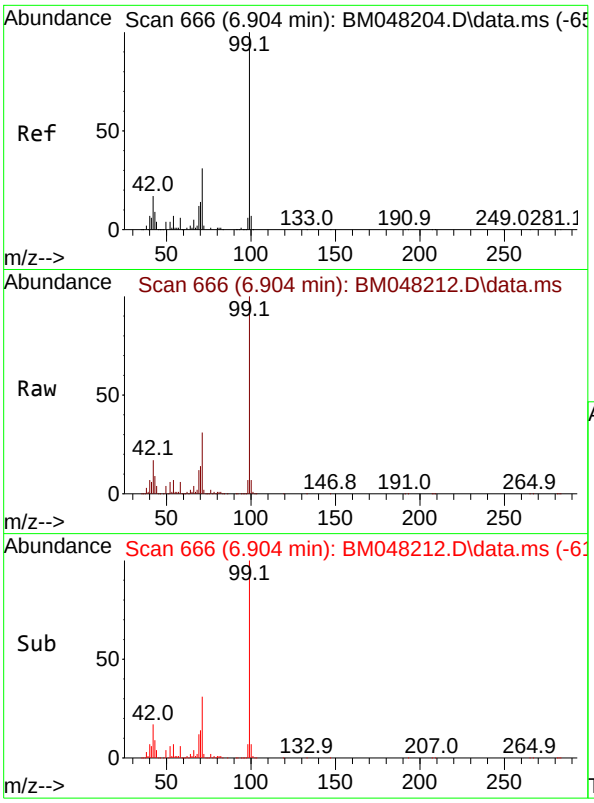


#5
2-Fluorophenol
Concen: 151.386 ng
RT: 5.310 min Scan# 395
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Tgt Ion:112 Resp: 1817481

Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.2	66.2
63	27.6	22.7	34.1



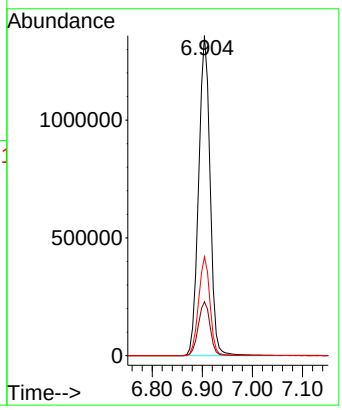


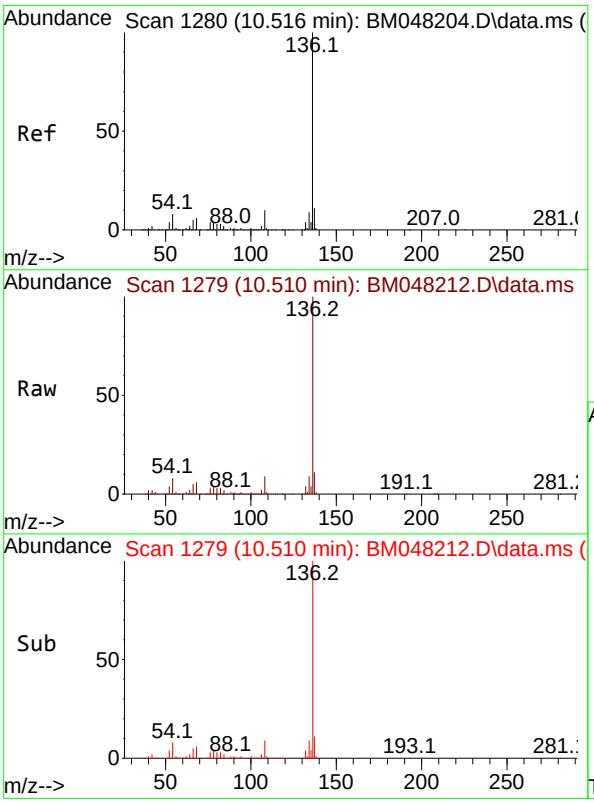
#7
Phenol-d6
Concen: 137.876 ng
RT: 6.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Tgt Ion: 99 Resp: 2155715

Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.8	20.8
71	30.9	24.9	37.3

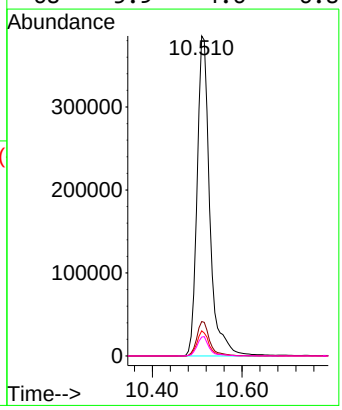


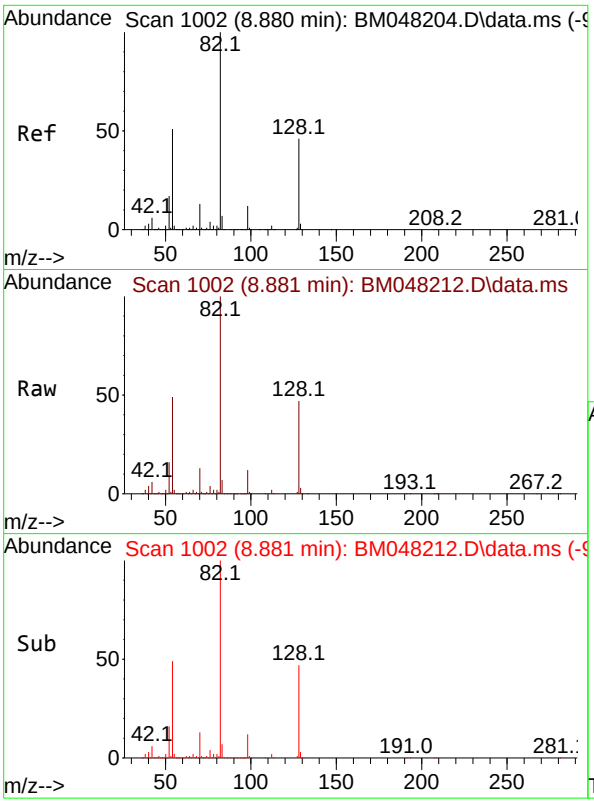


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Tgt Ion:136 Resp: 755271

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.8	6.5	9.7
68	5.9	4.6	6.8



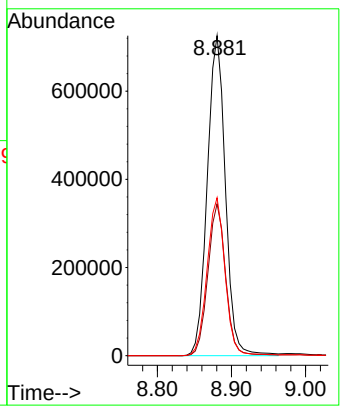


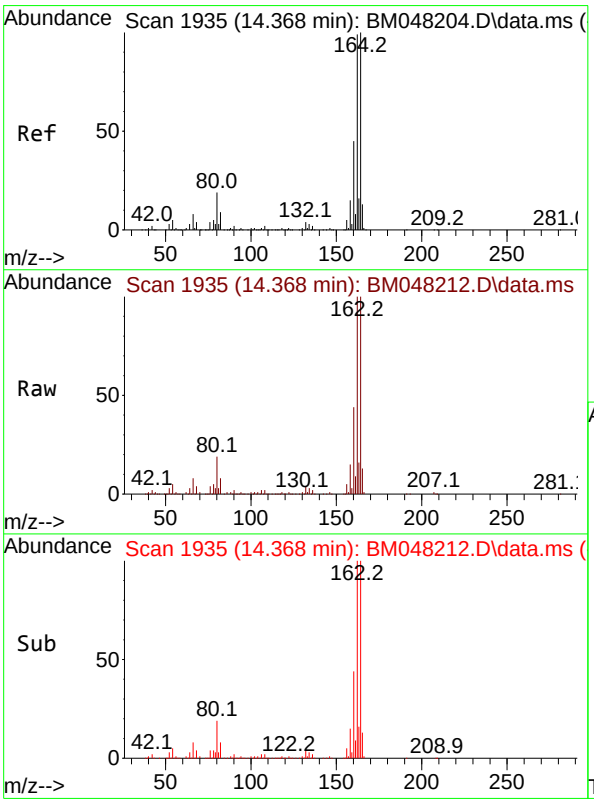
#23
Nitrobenzene-d5
Concen: 92.137 ng
RT: 8.881 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Tgt Ion: 82 Resp: 1232464

Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.6	54.8
54	49.4	41.0	61.4

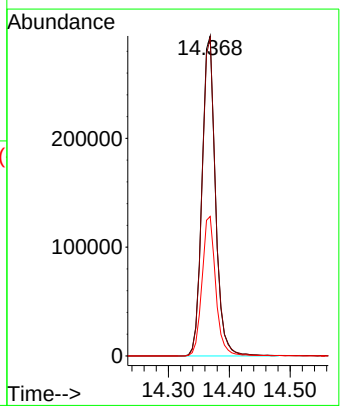


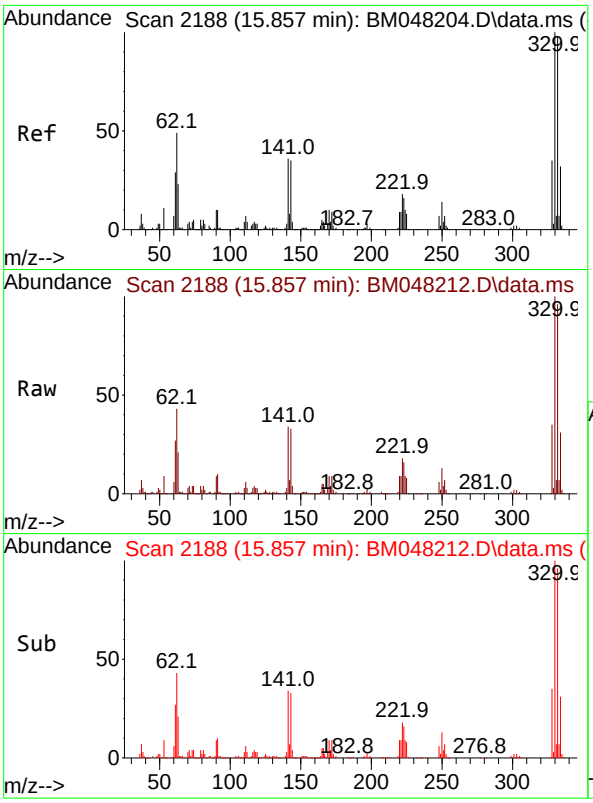


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.368 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Tgt Ion:164 Resp: 451085

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.1	118.7
160	43.6	35.8	53.8



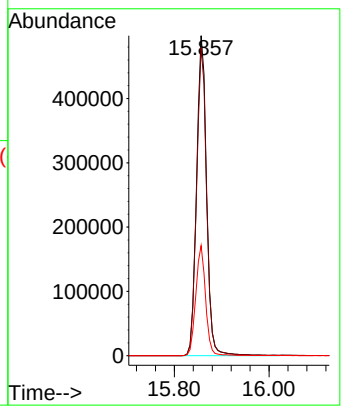


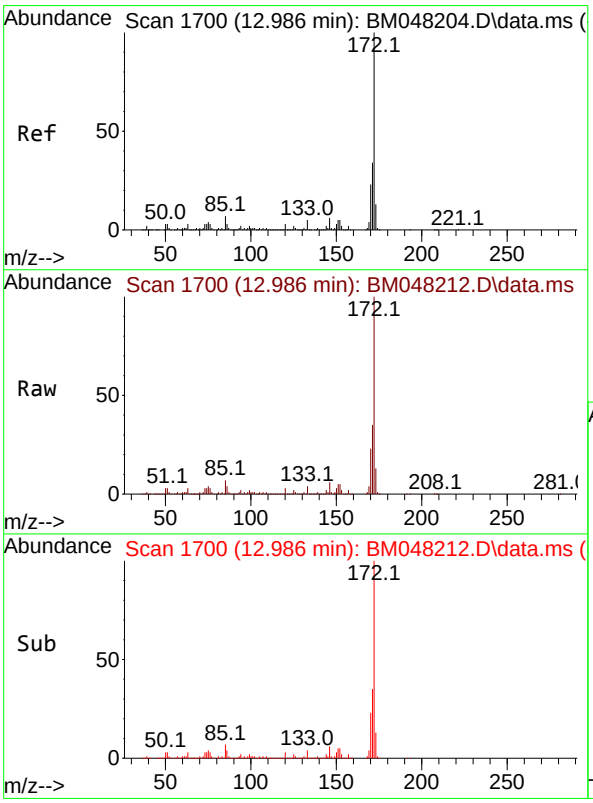
#42
2,4,6-Tribromophenol
Concen: 132.716 ng
RT: 15.857 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Tgt Ion:330 Resp: 732767

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.5	116.3
141	33.7	27.5	41.3

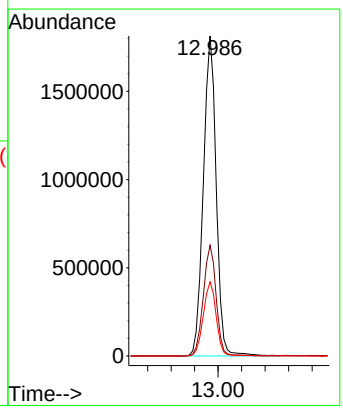


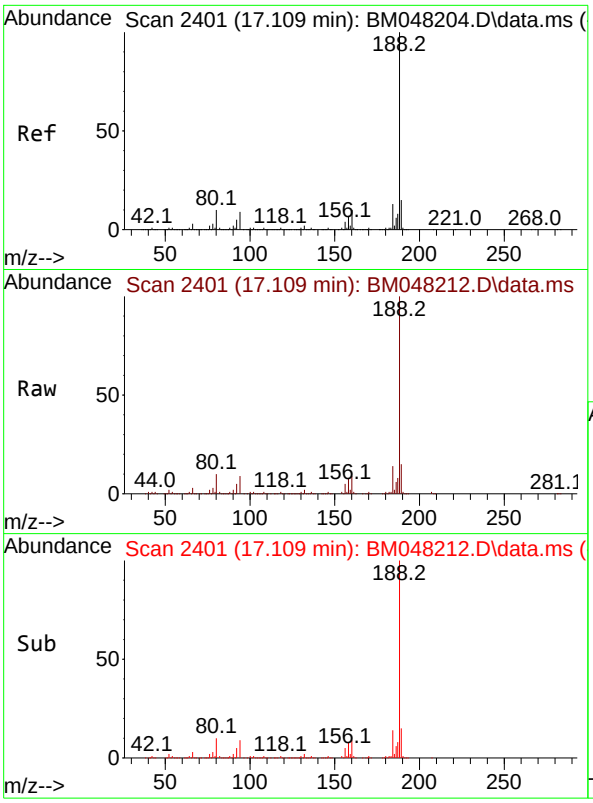


#45
2-Fluorobiphenyl
Concen: 93.827 ng
RT: 12.986 min Scan# 1700
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Tgt Ion:172 Resp: 2758153

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.0
170	23.2	18.5	27.7



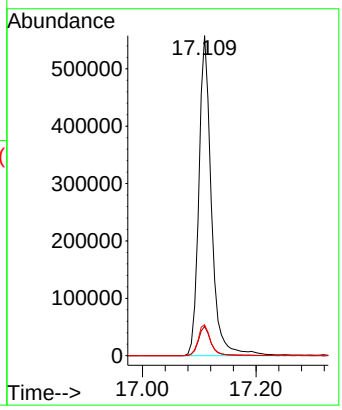


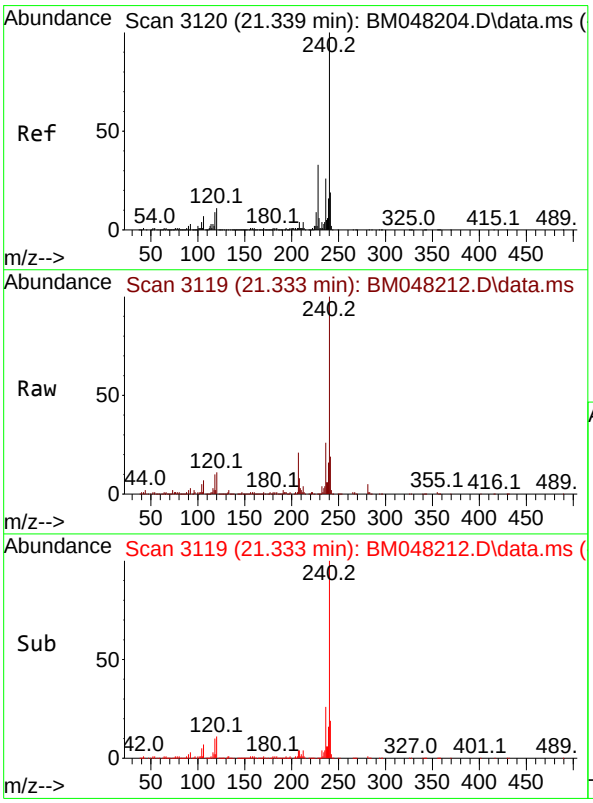
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.109 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Tgt Ion:188 Resp: 855662

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	9.6	8.0	12.0

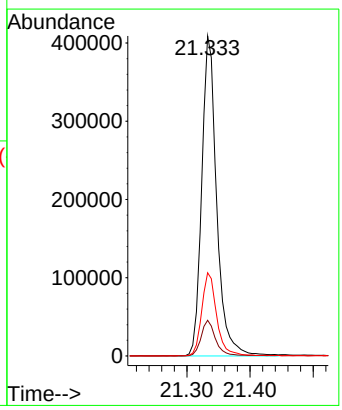


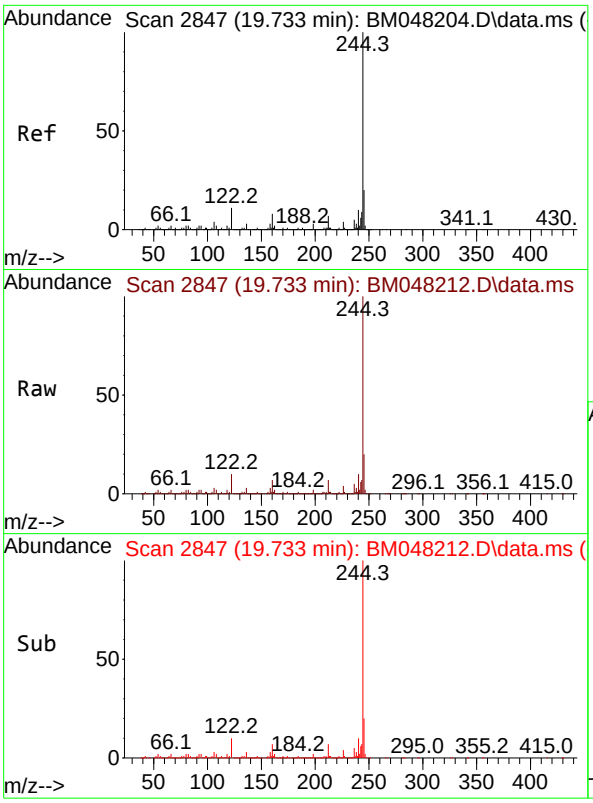


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Tgt Ion:240 Resp: 674681

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.6	13.0
236	26.0	20.7	31.1



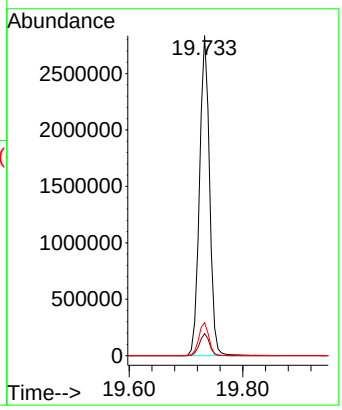


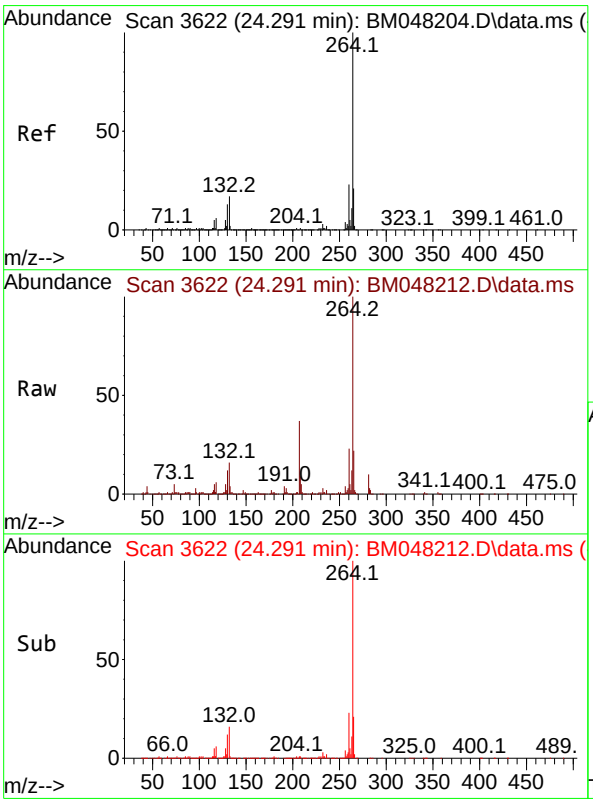
#79
Terphenyl-d14
Concen: 105.488 ng
RT: 19.733 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Tgt Ion:244 Resp: 3487510

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.3	8.8	13.2

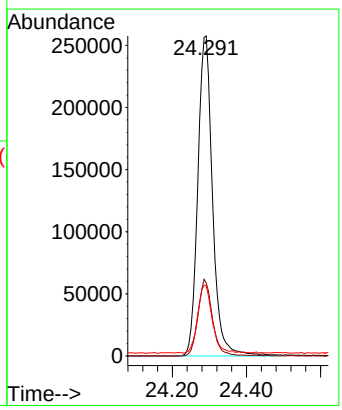




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.291 min Scan# 3622
Delta R.T. 0.000 min
Lab File: BM048212.D
Acq: 24 Oct 2024 11:50

Tgt Ion:264 Resp: 711330

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	27.8
265	22.1	17.4	26.2



Sample Results: **BM048212.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BL

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_M\Methods\8270-BM102324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM048212.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.310	388	395	409	rBV	4120565	5919760	65.60%	12.383%
2	6.904	657	666	679	rBV	3602233	5803898	64.32%	12.141%
3	7.722	798	805	812	rBV	707423	1134868	12.58%	2.374%
4	8.881	994	1002	1016	rBV	2088077	3539729	39.23%	7.405%
5	10.510	1269	1279	1298	rBV	761253	1497998	16.60%	3.134%
6	12.986	1692	1700	1720	rBV	5105062	7763813	86.04%	16.241%
7	14.368	1928	1935	1948	rBV	1200861	1873390	20.76%	3.919%
8	15.857	2181	2188	2204	rBV	3737210	5480585	60.74%	11.465%
9	17.109	2394	2401	2414	rBV	1305231	1996363	22.12%	4.176%
10	19.733	2841	2847	2860	rBV	7291555	9023373	100.00%	18.876%
11	20.503	2974	2978	2985	rBV	84643	126947	1.41%	0.266%
12	21.333	3114	3119	3131	rBV	1124335	1844048	20.44%	3.858%
13	24.291	3614	3622	3635	rVB	677450	1799297	19.94%	3.764%

Sum of corrected areas: 47804069

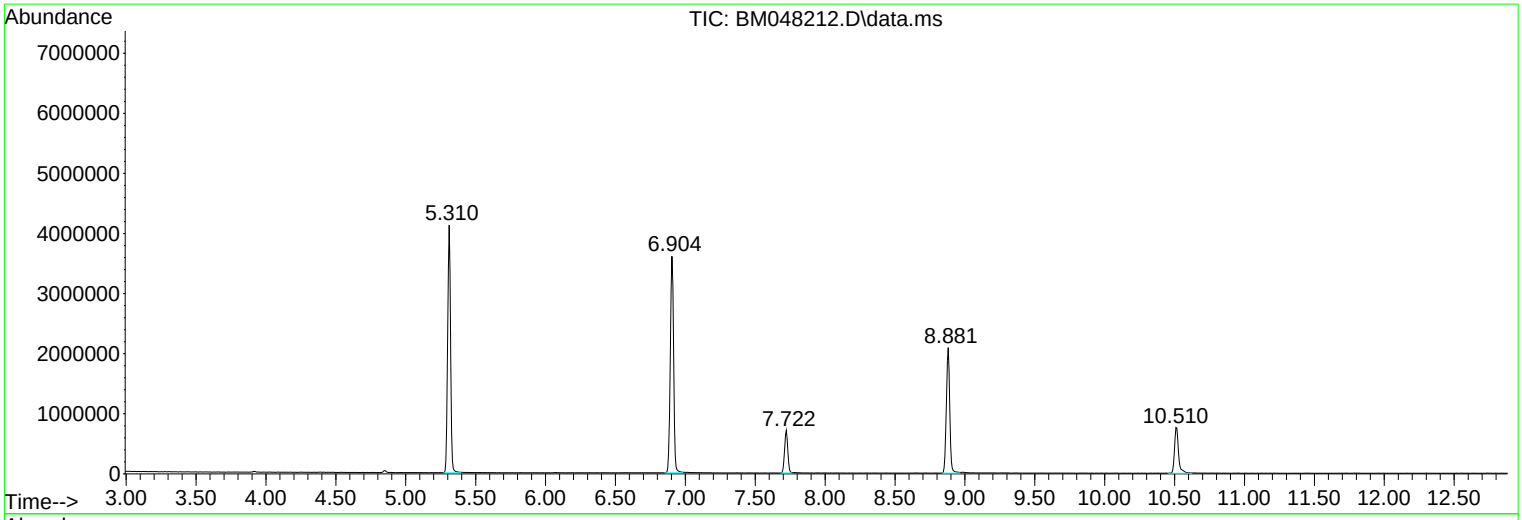
Sample Results: **BM048212.D**

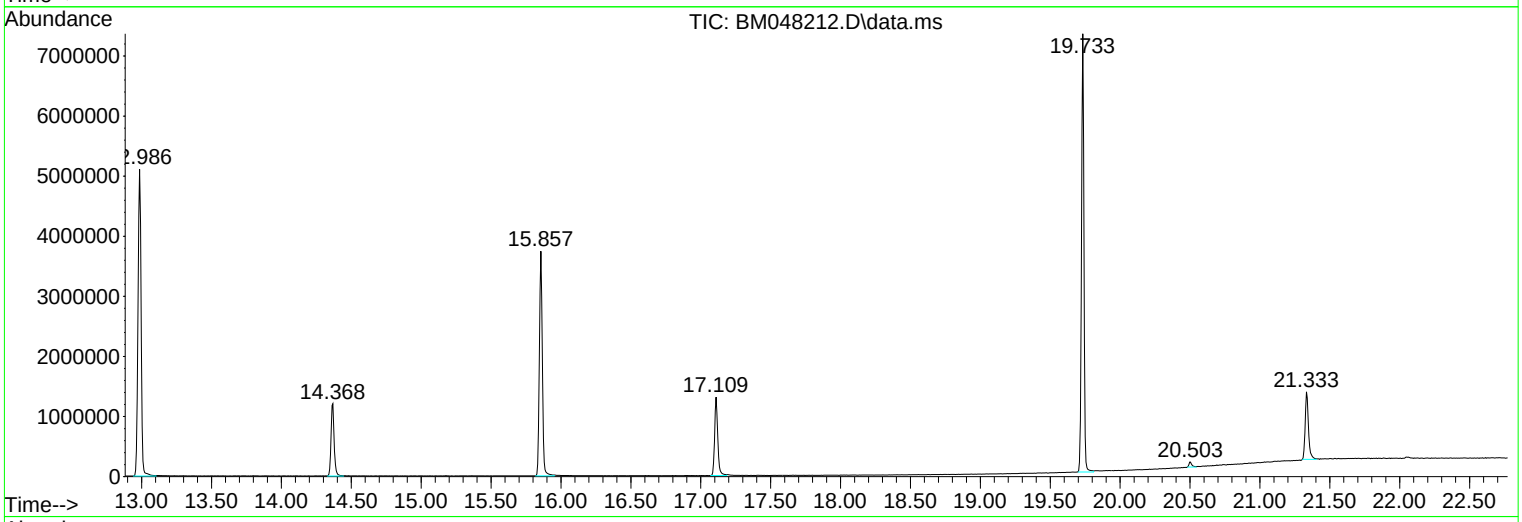
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

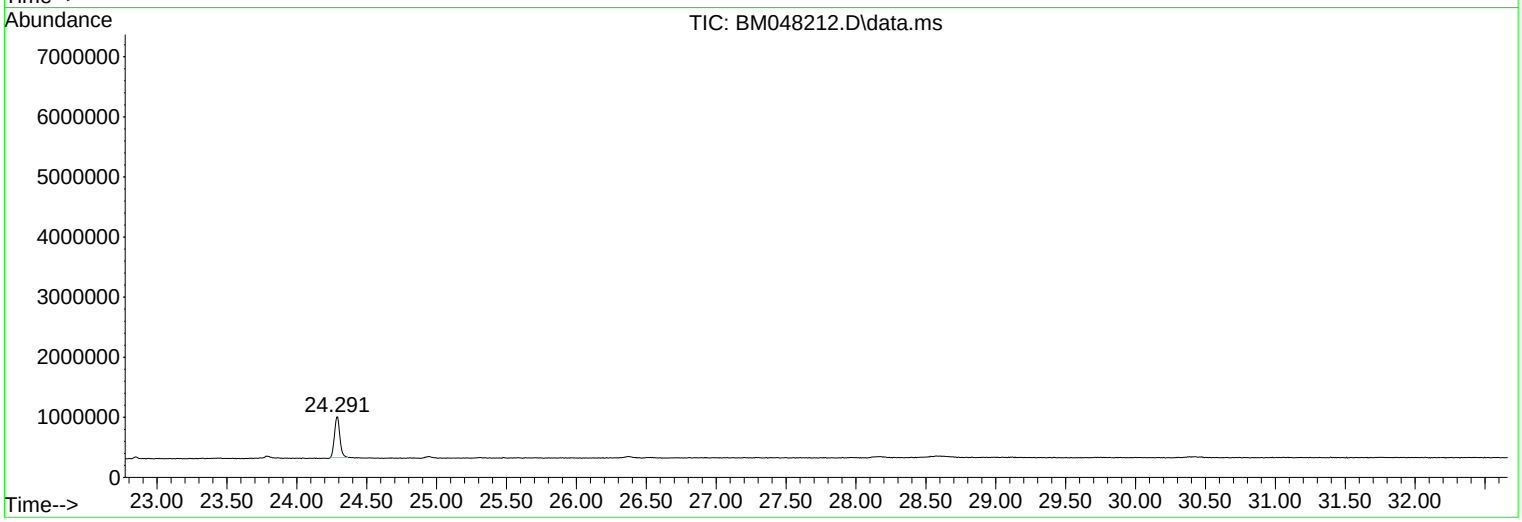
Instrument :
BNA_M
ClientSampleId :
PB164369BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.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_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
Data File : BM048212.D
Acq On : 24 Oct 2024 11:50
Operator : RC/JU
Sample : PB164369BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139963.D
Acq On : 23 Oct 2024 14:33
Operator : RC/JU
Sample : PB164286BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 23 15:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	158593	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	620873	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	350222	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	635882	20.000	ng	0.00
76) Chrysene-d12	14.057	240	319612	20.000	ng	0.00
86) Perylene-d12	15.533	264	347575	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1248672	123.258	ng	0.02
7) Phenol-d6	6.516	99	1574829	120.026	ng	0.00
23) Nitrobenzene-d5	7.451	82	1028527	91.814	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	482928	147.420	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1833539	86.525	ng	0.00
79) Terphenyl-d14	12.998	244	1877217	95.706	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.763	88	175724	37.203	ng	94
3) Pyridine	3.522	79	462499	39.504	ng	96
4) n-Nitrosodimethylamine	3.469	42	256555	40.786	ng	99
6) Aniline	6.551	93	572321	46.803	ng	98
8) 2-Chlorophenol	6.675	128	470973	45.476	ng	97
9) Benzaldehyde	6.440	77	100752	13.650	ng	96
10) Phenol	6.528	94	584091m	43.180	ng	
11) bis(2-Chloroethyl)ether	6.628	93	449836	43.025	ng	98
12) 1,3-Dichlorobenzene	6.834	146	503588	42.360	ng	99
13) 1,4-Dichlorobenzene	6.910	146	511955	43.104	ng	99
14) 1,2-Dichlorobenzene	7.057	146	489916	44.196	ng	99
15) Benzyl Alcohol	7.028	79	428535	44.525	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	745202	41.800	ng	97
17) 2-Methylphenol	7.134	107	387922	43.927	ng	99
18) Hexachloroethane	7.404	117	184304	43.515	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	335625	42.176	ng	95
20) 3+4-Methylphenols	7.287	107	474544	42.012	ng	92
22) Acetophenone	7.298	105	644789	42.400	ng	98
24) Nitrobenzene	7.469	77	517121	42.103	ng	100
25) Isophorone	7.710	82	928529	43.671	ng	99
26) 2-Nitrophenol	7.787	139	243091	52.464	ng	95
27) 2,4-Dimethylphenol	7.816	122	395771	51.225	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	547368	42.491	ng	100
29) 2,4-Dichlorophenol	8.022	162	388777	44.178	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	408692	41.971	ng	100
31) Naphthalene	8.193	128	1371252	42.824	ng	100
32) Benzoic acid	7.928	122	303453	45.032	ng	97
33) 4-Chloroaniline	8.240	127	359722	32.945	ng	98
34) Hexachlorobutadiene	8.310	225	262325	42.876	ng	100
35) Caprolactam	8.604	113	129060m	46.123	ng	
36) 4-Chloro-3-methylphenol	8.716	107	430883	44.218	ng	97
37) 2-Methylnaphthalene	8.887	142	857996	43.751	ng	99
38) 1-Methylnaphthalene	8.987	142	798971	41.525	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	402191	42.567	ng	99
41) Hexachlorocyclopentadiene	9.040	237	525230	159.761	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	311582	46.578	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139963.D
Acq On : 23 Oct 2024 14:33
Operator : RC/JU
Sample : PB164286BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 23 15:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	308415	44.687	ng		99
46) 1,1'-Biphenyl	9.351	154	1042962	42.778	ng		99
47) 2-Chloronaphthalene	9.375	162	827583	42.145	ng		100
48) 2-Nitroaniline	9.469	65	292014	48.623	ng		92
49) Acenaphthylene	9.792	152	1296649	45.675	ng		100
50) Dimethylphthalate	9.651	163	984207	45.117	ng		100
51) 2,6-Dinitrotoluene	9.710	165	220063	46.591	ng		95
52) Acenaphthene	9.963	154	901159	49.071	ng		100
53) 3-Nitroaniline	9.875	138	177145	36.368	ng		97
54) 2,4-Dinitrophenol	9.986	184	232244	115.216	ng	#	1
55) Dibenzofuran	10.134	168	1145279	43.467	ng		99
56) 4-Nitrophenol	10.034	139	362307	96.682	ng		98
57) 2,4-Dinitrotoluene	10.116	165	295318	50.843	ng		96
58) Fluorene	10.481	166	870747	43.389	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	264684	48.921	ng		96
60) Diethylphthalate	10.351	149	945782	44.157	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	447598	44.165	ng		97
62) 4-Nitroaniline	10.492	138	224753	48.856	ng		96
63) Azobenzene	10.628	77	963247	42.420	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	158383	61.064	ng		89
66) n-Nitrosodiphenylamine	10.586	169	820984	43.138	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	288868	44.097	ng		97
68) Hexachlorobenzene	11.022	284	325983	44.247	ng		99
69) Atrazine	11.116	200	265737	51.545	ng		99
70) Pentachlorophenol	11.216	266	400627	89.599	ng		100
71) Phenanthrene	11.439	178	1301995	43.347	ng		100
72) Anthracene	11.492	178	1321841	45.105	ng		100
73) Carbazole	11.645	167	1132997	41.570	ng		99
74) Di-n-butylphthalate	11.975	149	1373983	43.634	ng		100
75) Fluoranthene	12.628	202	1258467	41.445	ng		100
77) Benzidine	12.745	184	417992	79.534	ng		99
78) Pyrene	12.857	202	1262248	45.118	ng		100
80) Butylbenzylphthalate	13.475	149	406282	48.439	ng		98
81) Benzo(a)anthracene	14.045	228	948731	45.600	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	244157	40.249	ng		99
83) Chrysene	14.080	228	852715	44.700	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	467356	49.664	ng		99
85) Di-n-octyl phthalate	14.645	149	808706	47.248	ng		97
87) Indeno(1,2,3-cd)pyrene	17.033	276	1080680	48.330	ng		98
88) Benzo(b)fluoranthene	15.098	252	950470	44.891	ng		100
89) Benzo(k)fluoranthene	15.127	252	757041	41.459	ng		100
90) Benzo(a)pyrene	15.469	252	832975	47.813	ng		99
91) Dibenzo(a,h)anthracene	17.051	278	885004	47.444	ng		99
92) Benzo(g,h,i)perylene	17.486	276	809408	43.441	ng		99

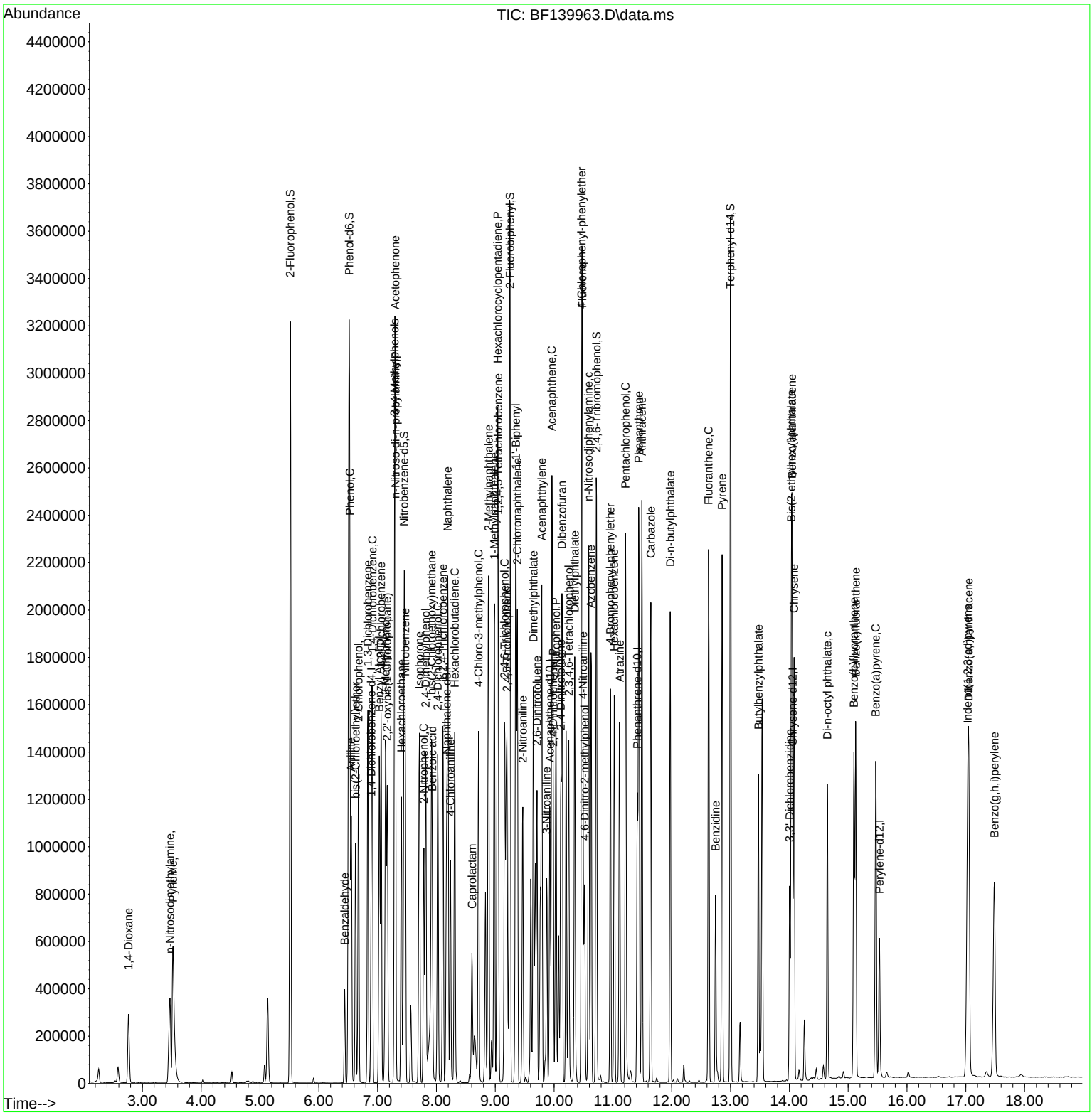
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139963.D
Acq On : 23 Oct 2024 14:33
Operator : RC/JU
Sample : PB164286BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 23 15:04:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164286BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048237.D
Acq On : 25 Oct 2024 15:42
Operator : RC/JU
Sample : PB164369BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Quant Time: Oct 25 16:15:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.716	152	198559	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	731104	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	398895	20.000	ng		0.00
64) Phenanthrene-d10	17.104	188	712540	20.000	ng		0.00
76) Chrysene-d12	21.333	240	616038	20.000	ng		0.00
86) Perylene-d12	24.280	264	708876	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.305	112	1703567	144.219	ng		0.00
7) Phenol-d6	6.899	99	2007808	130.517	ng		0.00
23) Nitrobenzene-d5	8.875	82	1249240	96.478	ng		0.00
42) 2,4,6-Tribromophenol	15.851	330	648289	132.778	ng		0.00
45) 2-Fluorobiphenyl	12.981	172	2572793	98.972	ng		0.00
79) Terphenyl-d14	19.727	244	3098083	102.629	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.205	88	209292	43.285	ng		99
3) Pyridine	3.605	79	543769	42.335	ng		99
4) n-Nitrosodimethylamine	3.511	42	273166	50.089	ng		99
6) Aniline	7.046	93	598377	46.860	ng		99
8) 2-Chlorophenol	7.287	128	621166	48.403	ng		99
9) Benzaldehyde	6.863	77	103315	13.670	ng		99
10) Phenol	6.928	94	739044	47.750	ng		100
11) bis(2-Chloroethyl)ether	7.146	93	594723	48.242	ng		99
12) 1,3-Dichlorobenzene	7.604	146	692926	46.834	ng		100
13) 1,4-Dichlorobenzene	7.752	146	703218	46.784	ng		98
14) 1,2-Dichlorobenzene	8.069	146	675931	46.530	ng		99
15) Benzyl Alcohol	7.963	79	489064	49.832	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.240	45	887225	49.204	ng		98
17) 2-Methylphenol	8.169	107	478037	46.481	ng		99
18) Hexachloroethane	8.793	117	258158	46.860	ng		98
19) n-Nitroso-di-n-propyla...	8.528	70	427366	43.912	ng		99
20) 3+4-Methylphenols	8.498	107	640983	44.991	ng		100
22) Acetophenone	8.540	105	865677	48.516	ng		99
24) Nitrobenzene	8.916	77	639420	47.661	ng		99
25) Isophorone	9.445	82	1114649	46.963	ng		100
26) 2-Nitrophenol	9.628	139	305570	49.329	ng		96
27) 2,4-Dimethylphenol	9.693	122	448080	59.622	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	720808	47.993	ng		99
29) 2,4-Dichlorophenol	10.163	162	529197	48.948	ng		98
30) 1,2,4-Trichlorobenzene	10.375	180	576417	46.553	ng		99
31) Naphthalene	10.557	128	1791362	46.979	ng		99
32) Benzoic acid	9.851	122	340001	40.643	ng		98
33) 4-Chloroaniline	10.675	127	244821	19.796	ng		99
34) Hexachlorobutadiene	10.845	225	365600	47.641	ng		98
35) Caprolactam	11.469	113	138443	39.421	ng		96
36) 4-Chloro-3-methylphenol	11.810	107	498365	44.158	ng		98
37) 2-Methylnaphthalene	12.175	142	1173125	46.047	ng		99
38) 1-Methylnaphthalene	12.392	142	1084221	42.917	ng		98
40) 1,2,4,5-Tetrachloroben...	12.551	216	592472	51.965	ng	#	98
41) Hexachlorocyclopentadiene	12.528	237	817728	211.949	ng		98
43) 2,4,6-Trichlorophenol	12.792	196	388315	51.322	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048237.D
Acq On : 25 Oct 2024 15:42
Operator : RC/JU
Sample : PB164369BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Quant Time: Oct 25 16:15:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

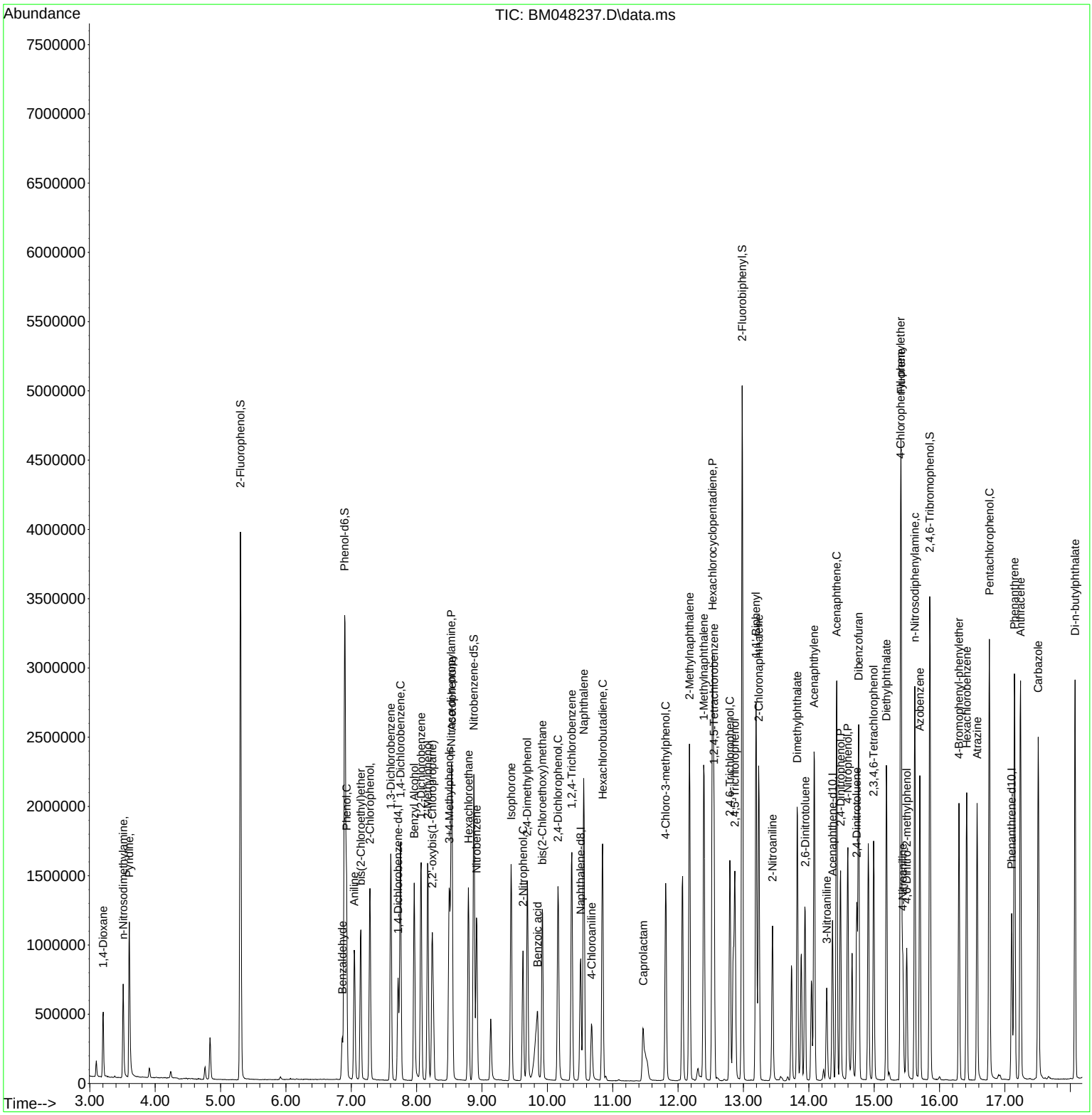
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	413494	49.007	ng	99
46) 1,1'-Biphenyl	13.192	154	1438193	50.499	ng	100
47) 2-Chloronaphthalene	13.233	162	1111001	49.475	ng	99
48) 2-Nitroaniline	13.445	65	303080	49.763	ng	97
49) Acenaphthylene	14.081	152	1713262	52.295	ng	99
50) Dimethylphthalate	13.822	163	1284546	47.172	ng	99
51) 2,6-Dinitrotoluene	13.945	165	275953	45.417	ng	98
52) Acenaphthene	14.428	154	1032626	49.606	ng	99
53) 3-Nitroaniline	14.275	138	171183	29.874	ng	99
54) 2,4-Dinitrophenol	14.486	184	331785	93.445	ng	97
55) Dibenzofuran	14.763	168	1607974	48.620	ng	99
56) 4-Nitrophenol	14.598	139	484899	94.818	ng	98
57) 2,4-Dinitrotoluene	14.733	165	366700	45.702	ng	99
58) Fluorene	15.410	166	1229017	46.996	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.992	232	337906	48.317	ng	99
60) Diethylphthalate	15.186	149	1248532	45.284	ng	100
61) 4-Chlorophenyl-phenyle...	15.404	204	615954	47.106	ng	98
62) 4-Nitroaniline	15.439	138	266271	44.901	ng	98
63) Azobenzene	15.698	77	1217591	49.273	ng	100
65) 4,6-Dinitro-2-methylph...	15.498	198	207072	50.087	ng	99
66) n-Nitrosodiphenylamine	15.622	169	1038366	53.085	ng	99
67) 4-Bromophenyl-phenylether	16.298	248	370969	51.351	ng	99
68) Hexachlorobenzene	16.416	284	430167	49.577	ng	100
69) Atrazine	16.574	200	348529	63.680	ng	98
70) Pentachlorophenol	16.763	266	557690	97.899	ng	99
71) Phenanthrene	17.145	178	1792677	50.808	ng	100
72) Anthracene	17.239	178	1835874	53.751	ng	100
73) Carbazole	17.510	167	1638769	48.943	ng	100
74) Di-n-butylphthalate	18.074	149	2010401	48.238	ng	100
75) Fluoranthene	19.163	202	1950971	46.354	ng	100
77) Benzidine	19.351	184	693232	97.505	ng	99
78) Pyrene	19.527	202	2076321	50.355	ng	99
80) Butylbenzylphthalate	20.427	149	854251	49.543	ng	99
81) Benzo(a)anthracene	21.315	228	1980643	50.313	ng	100
82) 3,3'-Dichlorobenzidine	21.239	252	503215	37.319	ng	100
83) Chrysene	21.374	228	1889892	50.015	ng	100
84) Bis(2-ethylhexyl)phtha...	21.239	149	1263594	50.421	ng	99
85) Di-n-octyl phthalate	22.351	149	2149398	49.521	ng	100
87) Indeno(1,2,3-cd)pyrene	27.609	276	2611543	55.712	ng	100
88) Benzo(b)fluoranthene	23.350	252	2008564	49.418	ng	100
89) Benzo(k)fluoranthene	23.409	252	2035238	51.792	ng	99
90) Benzo(a)pyrene	24.145	252	1941733	54.952	ng	99
91) Dibenzo(a,h)anthracene	27.650	278	2162109	55.388	ng	100
92) Benzo(g,h,i)perylene	28.644	276	2018651	50.501	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048237.D
Acq On : 25 Oct 2024 15:42
Operator : RC/JU
Sample : PB164369BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BS

Quant Time: Oct 25 16:15:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048233.D
Acq On : 25 Oct 2024 12:58
Operator : RC/JU
Sample : PB164369BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Quant Time: Oct 25 14:30:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	239298	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	913341	20.000	ng	-0.01
39) Acenaphthene-d10	14.363	164	513456	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	916015	20.000	ng	0.00
76) Chrysene-d12	21.333	240	699111	20.000	ng	0.00
86) Perylene-d12	24.280	264	737917	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.305	112	2081138	146.189	ng	0.00
7) Phenol-d6	6.904	99	2505490	135.141	ng	0.00
23) Nitrobenzene-d5	8.875	82	1533785	94.819	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	829498	131.986	ng	0.00
45) 2-Fluorobiphenyl	12.981	172	3228427	96.484	ng	0.00
79) Terphenyl-d14	19.733	244	3755388	109.621	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.205	88	233263	40.029	ng	99
3) Pyridine	3.605	79	623685	40.290	ng	99
4) n-Nitrosodimethylamine	3.511	42	318581	48.471	ng	99
6) Aniline	7.052	93	758054	49.258	ng	98
8) 2-Chlorophenol	7.287	128	774078	50.049	ng	100
9) Benzaldehyde	6.863	77	129106	14.174	ng	100
10) Phenol	6.928	94	924498	49.564	ng	99
11) bis(2-Chloroethyl)ether	7.146	93	725750	48.849	ng	99
12) 1,3-Dichlorobenzene	7.604	146	823926	46.207	ng	99
13) 1,4-Dichlorobenzene	7.751	146	833847	46.031	ng	98
14) 1,2-Dichlorobenzene	8.069	146	809563	46.241	ng	99
15) Benzyl Alcohol	7.963	79	614029	51.914	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.240	45	1072710	49.363	ng	98
17) 2-Methylphenol	8.169	107	605318	48.837	ng	99
18) Hexachloroethane	8.793	117	306345	46.140	ng	95
19) n-Nitroso-di-n-propyla...	8.528	70	525529	44.805	ng	99
20) 3+4-Methylphenols	8.498	107	813980	47.407	ng	98
22) Acetophenone	8.540	105	1066939	47.865	ng	99
24) Nitrobenzene	8.916	77	784288	46.795	ng	99
25) Isophorone	9.445	82	1402532	47.302	ng	99
26) 2-Nitrophenol	9.628	139	391898	50.642	ng	99
27) 2,4-Dimethylphenol	9.693	122	572056	60.930	ng	100
28) bis(2-Chloroethoxy)met...	9.922	93	911890	48.601	ng	98
29) 2,4-Dichlorophenol	10.163	162	675572	50.020	ng	99
30) 1,2,4-Trichlorobenzene	10.375	180	710506	45.933	ng	99
31) Naphthalene	10.557	128	2223360	46.674	ng	99
32) Benzoic acid	9.863	122	446917	42.764	ng	98
33) 4-Chloroaniline	10.675	127	319702	20.693	ng	99
34) Hexachlorobutadiene	10.845	225	445942	46.516	ng	97
35) Caprolactam	11.469	113	181897	41.460	ng	94
36) 4-Chloro-3-methylphenol	11.810	107	647545	45.928	ng	99
37) 2-Methylnaphthalene	12.175	142	1480825	46.527	ng	99
38) 1-Methylnaphthalene	12.398	142	1375410	43.580	ng	100
40) 1,2,4,5-Tetrachloroben...	12.551	216	742646	50.604	ng	98
41) Hexachlorocyclopentadiene	12.528	237	1020250	205.439	ng	98
43) 2,4,6-Trichlorophenol	12.792	196	504377	51.788	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048233.D
Acq On : 25 Oct 2024 12:58
Operator : RC/JU
Sample : PB164369BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Quant Time: Oct 25 14:30:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration

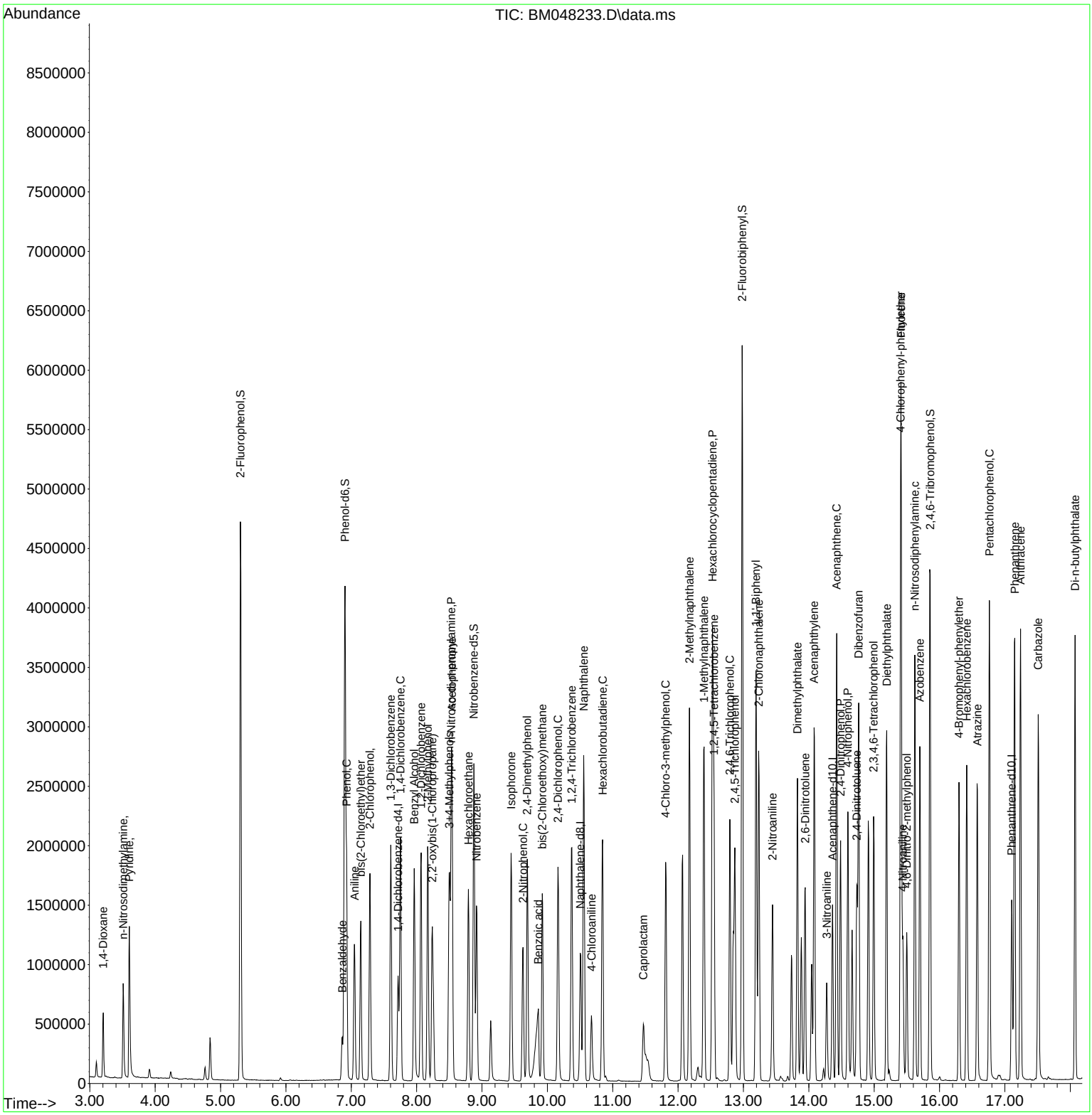
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	540050	49.726	ng	99
46) 1,1'-Biphenyl	13.192	154	1806463	49.278	ng	99
47) 2-Chloronaphthalene	13.233	162	1401582	48.490	ng	99
48) 2-Nitroaniline	13.445	65	393385	50.179	ng	98
49) Acenaphthylene	14.080	152	2178347	51.656	ng	99
50) Dimethylphthalate	13.828	163	1662733	47.436	ng	99
51) 2,6-Dinitrotoluene	13.945	165	360034	46.034	ng	97
52) Acenaphthene	14.428	154	1307350	48.791	ng	99
53) 3-Nitroaniline	14.275	138	215340	29.196	ng	99
54) 2,4-Dinitrophenol	14.486	184	439629	96.193	ng	99
55) Dibenzofuran	14.763	168	2020924	47.472	ng	99
56) 4-Nitrophenol	14.598	139	632429	96.074	ng	96
57) 2,4-Dinitrotoluene	14.733	165	481215	46.593	ng	100
58) Fluorene	15.410	166	1543051	45.839	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.992	232	434654	48.284	ng	99
60) Diethylphthalate	15.192	149	1634653	46.060	ng	99
61) 4-Chlorophenyl-phenyle...	15.404	204	785377	46.662	ng	98
62) 4-Nitroaniline	15.439	138	346297	45.366	ng	99
63) Azobenzene	15.698	77	1545366	48.584	ng	100
65) 4,6-Dinitro-2-methylph...	15.498	198	277984	52.303	ng	99
66) n-Nitrosodiphenylamine	15.622	169	1329437	52.868	ng	100
67) 4-Bromophenyl-phenylether	16.298	248	471288	50.746	ng	99
68) Hexachlorobenzene	16.416	284	550844	49.383	ng	99
69) Atrazine	16.580	200	451420	64.158	ng	98
70) Pentachlorophenol	16.763	266	712070	97.233	ng	100
71) Phenanthrene	17.151	178	2277951	50.221	ng	99
72) Anthracene	17.239	178	2309397	52.595	ng	99
73) Carbazole	17.510	167	2043704	47.479	ng	99
74) Di-n-butylphthalate	18.074	149	2603062	48.584	ng	100
75) Fluoranthene	19.162	202	2398028	44.320	ng	99
77) Benzidine	19.351	184	846649	104.934	ng	100
78) Pyrene	19.527	202	2548311	54.459	ng	100
80) Butylbenzylphthalate	20.427	149	1033558	52.820	ng	99
81) Benzo(a)anthracene	21.315	228	2272826	50.875	ng	99
82) 3,3'-Dichlorobenzidine	21.239	252	531097	34.706	ng	99
83) Chrysene	21.374	228	2146699	50.061	ng	100
84) Bis(2-ethylhexyl)phtha...	21.239	149	1475826	51.892	ng	99
85) Di-n-octyl phthalate	22.351	149	2440203	49.541	ng	100
87) Indeno(1,2,3-cd)pyrene	27.603	276	2639431	54.091	ng	100
88) Benzo(b)fluoranthene	23.350	252	2179954	51.524	ng	100
89) Benzo(k)fluoranthene	23.409	252	2154133	52.660	ng	99
90) Benzo(a)pyrene	24.145	252	2042425	55.526	ng	99
91) Dibenzo(a,h)anthracene	27.656	278	2177602	53.589	ng	99
92) Benzo(g,h,i)perylene	28.638	276	2034294	48.889	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102524\
Data File : BM048233.D
Acq On : 25 Oct 2024 12:58
Operator : RC/JU
Sample : PB164369BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB164369BSD

Quant Time: Oct 25 14:30:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 18:21:59 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140006.D
Acq On : 24 Oct 2024 17:45
Operator : RC/JU
Sample : P4460-03MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Quant Time: Oct 24 18:16:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	132812	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	485291	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	253613	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	408327	20.000	ng		0.00
76) Chrysene-d12	14.051	240	231840	20.000	ng		0.00
86) Perylene-d12	15.533	264	316800	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	1009086	118.943	ng		0.01
7) Phenol-d6	6.516	99	1302368	118.528	ng		0.00
23) Nitrobenzene-d5	7.451	82	812163	92.755	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	332717	140.256	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	1389664	90.559	ng		0.00
79) Terphenyl-d14	12.998	244	1106097	77.742	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.728	88	160935	40.686	ng		95
3) Pyridine	3.487	79	409519	41.768	ng		96
4) n-Nitrosodimethylamine	3.440	42	220343	41.829	ng		94
6) Aniline	6.551	93	423608	41.366	ng		98
8) 2-Chlorophenol	6.675	128	419382	48.355	ng		96
9) Benzaldehyde	6.440	77	89315	14.449	ng		97
10) Phenol	6.528	94	530259m	46.810	ng		
11) bis(2-Chloroethyl)ether	6.628	93	408626	46.670	ng		98
12) 1,3-Dichlorobenzene	6.834	146	451474	45.348	ng		98
13) 1,4-Dichlorobenzene	6.910	146	459485	46.195	ng		98
14) 1,2-Dichlorobenzene	7.063	146	437217	47.098	ng		98
15) Benzyl Alcohol	7.028	79	378417	46.950	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	653421	43.767	ng		96
17) 2-Methylphenol	7.134	107	342003	46.245	ng		99
18) Hexachloroethane	7.404	117	181556	51.187	ng		96
19) n-Nitroso-di-n-propyla...	7.304	70	299954	45.011	ng		95
20) 3+4-Methylphenols	7.287	107	427624	45.207	ng		97
22) Acetophenone	7.298	105	580776	48.861	ng		98
24) Nitrobenzene	7.475	77	447960	46.662	ng		97
25) Isophorone	7.710	82	803381	48.341	ng		99
26) 2-Nitrophenol	7.787	139	212625	58.709	ng		97
27) 2,4-Dimethylphenol	7.822	122	326057	53.992	ng		98
28) bis(2-Chloroethoxy)met...	7.922	93	471268	46.804	ng		99
29) 2,4-Dichlorophenol	8.028	162	329975	47.972	ng		98
30) 1,2,4-Trichlorobenzene	8.116	180	350142	46.004	ng		100
31) Naphthalene	8.198	128	1251711	50.012	ng		100
32) Benzoic acid	7.928	122	241453	45.842	ng	#	77
33) 4-Chloroaniline	8.239	127	147841	17.323	ng		99
34) Hexachlorobutadiene	8.310	225	229807	48.055	ng		99
35) Caprolactam	8.598	113	143053	65.407	ng	#	62
36) 4-Chloro-3-methylphenol	8.716	107	351036	46.089	ng		98
37) 2-Methylnaphthalene	8.886	142	729328	47.580	ng		100
38) 1-Methylnaphthalene	8.986	142	675083	44.889	ng		100
40) 1,2,4,5-Tetrachloroben...	9.051	216	331657	48.473	ng		99
41) Hexachlorocyclopentadiene	9.039	237	397348	166.903	ng		100
43) 2,4,6-Trichlorophenol	9.163	196	239656	49.474	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140006.D
Acq On : 24 Oct 2024 17:45
Operator : RC/JU
Sample : P4460-03MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Quant Time: Oct 24 18:16:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

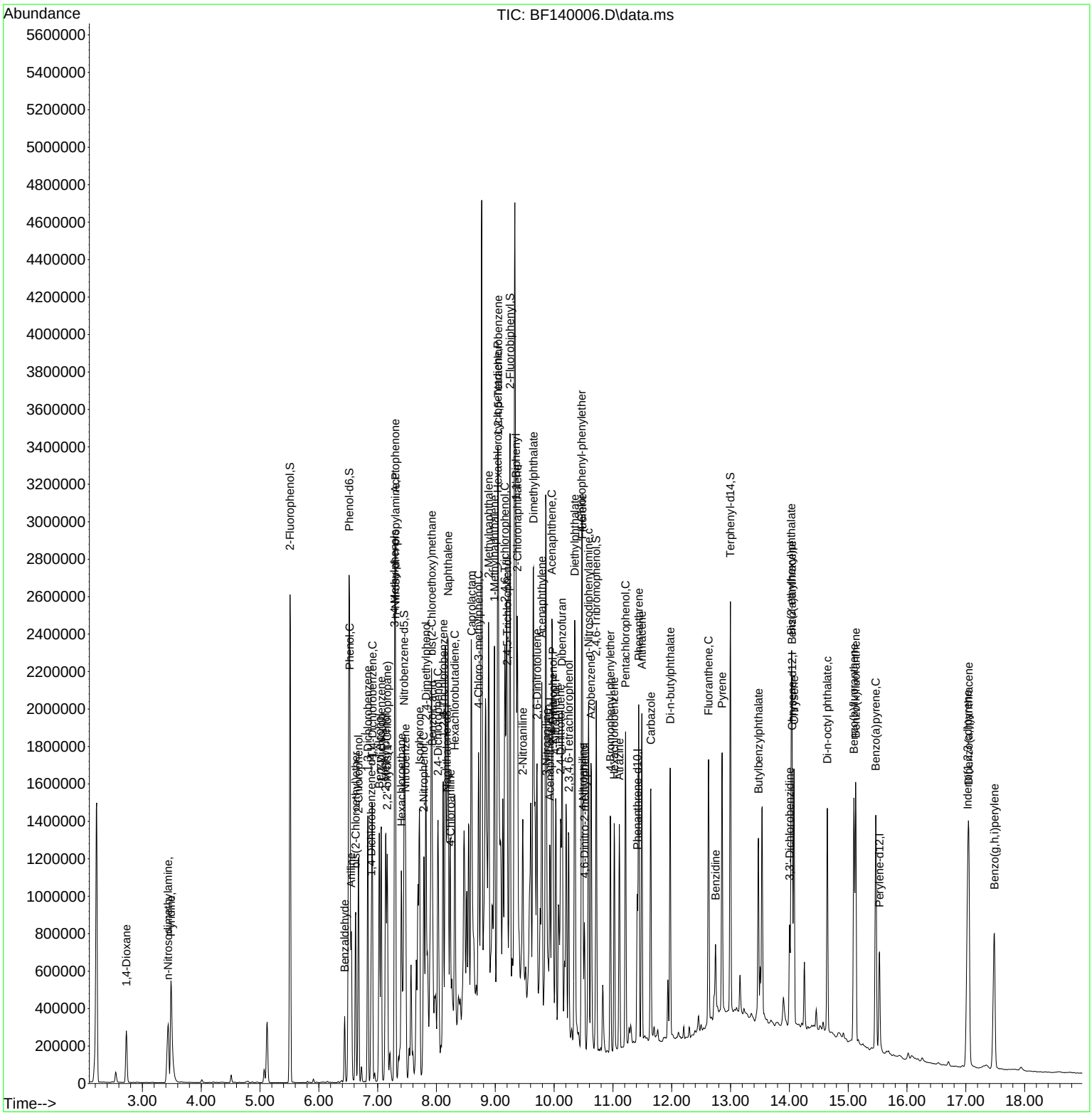
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	238505	47.722	ng	#	94
46) 1,1'-Biphenyl	9.351	154	840716	47.619	ng		99
47) 2-Chloronaphthalene	9.375	162	664744	46.748	ng		99
48) 2-Nitroaniline	9.469	65	227547	52.322	ng		91
49) Acenaphthylene	9.792	152	1047540	50.957	ng		99
50) Dimethylphthalate	9.651	163	751861	47.595	ng		100
51) 2,6-Dinitrotoluene	9.710	165	170904	49.966	ng		94
52) Acenaphthene	9.963	154	725130	54.527	ng		99
53) 3-Nitroaniline	9.875	138	124549	35.311	ng		97
54) 2,4-Dinitrophenol	9.980	184	182941	124.756	ng	#	1
55) Dibenzofuran	10.133	168	924548	48.456	ng		99
56) 4-Nitrophenol	10.028	139	269339	99.252	ng		97
57) 2,4-Dinitrotoluene	10.110	165	231462	55.029	ng	#	97
58) Fluorene	10.480	166	692046	47.620	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	200756	51.240	ng		96
60) Diethylphthalate	10.351	149	739923	47.705	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	354505	48.304	ng		99
62) 4-Nitroaniline	10.492	138	157376	47.241	ng		98
63) Azobenzene	10.628	77	813162	49.452	ng		97
65) 4,6-Dinitro-2-methylph...	10.516	198	123597	74.208	ng		93
66) n-Nitrosodiphenylamine	10.586	169	639939	52.363	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	223018	53.017	ng		98
68) Hexachlorobenzene	11.022	284	237746	50.253	ng		99
69) Atrazine	11.110	200	203576	61.494	ng		99
70) Pentachlorophenol	11.216	266	281566	98.064	ng		98
71) Phenanthrene	11.439	178	933629	48.406	ng		100
72) Anthracene	11.492	178	955951	50.798	ng		100
73) Carbazole	11.645	167	797681	45.577	ng		99
74) Di-n-butylphthalate	11.974	149	1022219	50.554	ng		99
75) Fluoranthene	12.627	202	809238	41.503	ng		99
77) Benzidine	12.745	184	214417	56.244	ng		99
78) Pyrene	12.857	202	806610	39.747	ng		100
80) Butylbenzylphthalate	13.474	149	311437	51.189	ng		98
81) Benzo(a)anthracene	14.045	228	745519	49.398	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	165952	37.714	ng		98
83) Chrysene	14.080	228	674113	48.716	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	415213	60.828	ng		100
85) Di-n-octyl phthalate	14.645	149	789345	63.576	ng		97
87) Indeno(1,2,3-cd)pyrene	17.033	276	992966	48.721	ng		98
88) Benzo(b)fluoranthene	15.098	252	925046	47.935	ng		100
89) Benzo(k)fluoranthene	15.127	252	736766	44.269	ng		100
90) Benzo(a)pyrene	15.468	252	822922	51.824	ng		99
91) Dibenzo(a,h)anthracene	17.051	278	820090	48.235	ng		98
92) Benzo(g,h,i)perylene	17.486	276	714813	42.091	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140006.D
Acq On : 24 Oct 2024 17:45
Operator : RC/JU
Sample : P4460-03MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMS

Quant Time: Oct 24 18:16:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140007.D
Acq On : 24 Oct 2024 18:14
Operator : RC/JU
Sample : P4460-03MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Quant Time: Oct 25 01:08:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.893	152	114465	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	337350	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	176753	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	285247	20.000	ng		0.00
76) Chrysene-d12	14.051	240	164779	20.000	ng		0.00
86) Perylene-d12	15.533	264	222740	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	824926	112.822	ng		0.01
7) Phenol-d6	6.516	99	1325410	139.960	ng		0.00
23) Nitrobenzene-d5	7.451	82	617039	101.374	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	247008	149.404	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	1051039	98.276	ng		0.00
79) Terphenyl-d14	12.998	244	828244	81.904	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	133047	39.027	ng		95
3) Pyridine	3.493	79	343491	40.649	ng		96
4) n-Nitrosodimethylamine	3.440	42	201377	44.356	ng		96
6) Aniline	6.551	93	426575	48.333	ng		98
8) 2-Chlorophenol	6.675	128	427918	57.248	ng		97
9) Benzaldehyde	6.440	77	92682	17.397	ng		96
10) Phenol	6.528	94	547354m	56.064	ng		
11) bis(2-Chloroethyl)ether	6.628	93	412436	54.655	ng		99
12) 1,3-Dichlorobenzene	6.834	146	401889	46.837	ng		99
13) 1,4-Dichlorobenzene	6.910	146	392844	45.826	ng		98
14) 1,2-Dichlorobenzene	7.057	146	382366	47.792	ng		99
15) Benzyl Alcohol	7.028	79	339932	48.935	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	493410	38.347	ng		96
17) 2-Methylphenol	7.134	107	260974	40.945	ng		98
18) Hexachloroethane	7.404	117	145603	47.630	ng		97
19) n-Nitroso-di-n-propyla...	7.304	70	225802	39.314	ng		97
20) 3+4-Methylphenols	7.287	107	317036	38.888	ng		94
22) Acetophenone	7.298	105	436315	52.805	ng		99
24) Nitrobenzene	7.475	77	340321	50.996	ng		99
25) Isophorone	7.710	82	602896	52.187	ng		99
26) 2-Nitrophenol	7.787	139	155768	61.872	ng		98
27) 2,4-Dimethylphenol	7.822	122	239425	57.033	ng		96
28) bis(2-Chloroethoxy)met...	7.922	93	345019	49.293	ng		100
29) 2,4-Dichlorophenol	8.028	162	250024	52.289	ng		98
30) 1,2,4-Trichlorobenzene	8.116	180	263493	49.801	ng		100
31) Naphthalene	8.198	128	920714	52.919	ng		100
32) Benzoic acid	7.928	122	169951	46.416	ng	#	70
33) 4-Chloroaniline	8.240	127	107977	18.200	ng		98
34) Hexachlorobutadiene	8.310	225	175596	52.821	ng		99
35) Caprolactam	8.598	113	103349	67.976	ng	#	53
36) 4-Chloro-3-methylphenol	8.716	107	266317	50.300	ng		100
37) 2-Methylnaphthalene	8.887	142	545080	51.155	ng		99
38) 1-Methylnaphthalene	8.987	142	501190	47.941	ng		100
40) 1,2,4,5-Tetrachloroben...	9.051	216	247588	51.921	ng		99
41) Hexachlorocyclopentadiene	9.040	237	300488	181.102	ng		100
43) 2,4,6-Trichlorophenol	9.163	196	178341	52.825	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140007.D
Acq On : 24 Oct 2024 18:14
Operator : RC/JU
Sample : P4460-03MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Quant Time: Oct 25 01:08:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

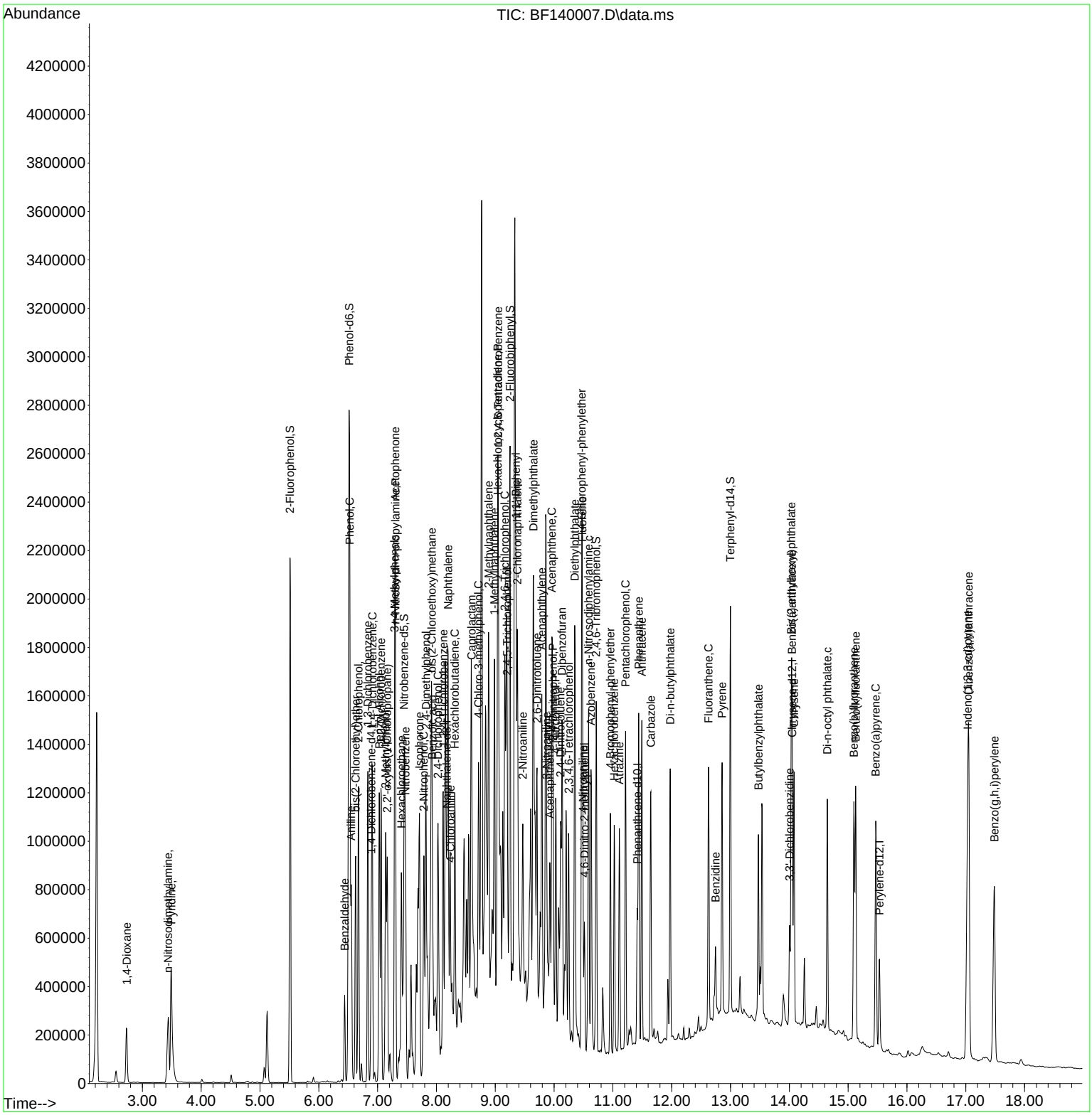
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	177917	51.079	ng	#	94
46) 1,1'-Biphenyl	9.351	154	627889	51.029	ng		98
47) 2-Chloronaphthalene	9.375	162	494241	49.872	ng		98
48) 2-Nitroaniline	9.469	65	174378	57.532	ng		96
49) Acenaphthylene	9.792	152	781851	54.571	ng		99
50) Dimethylphthalate	9.651	163	567442	51.541	ng		100
51) 2,6-Dinitrotoluene	9.710	165	125567	52.675	ng		98
52) Acenaphthene	9.963	154	546490	58.964	ng		100
53) 3-Nitroaniline	9.875	138	89755	36.512	ng		99
54) 2,4-Dinitrophenol	9.981	184	136407	133.016	ng	#	1
55) Dibenzofuran	10.134	168	691704	52.016	ng		99
56) 4-Nitrophenol	10.028	139	201029	106.293	ng		91
57) 2,4-Dinitrotoluene	10.110	165	172391	58.808	ng		99
58) Fluorene	10.481	166	521069	51.447	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	151151	55.355	ng		98
60) Diethylphthalate	10.351	149	569509	52.685	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	266504	52.104	ng		98
62) 4-Nitroaniline	10.492	138	120028	51.697	ng		94
63) Azobenzene	10.628	77	613537	53.537	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	92659	79.637	ng		97
66) n-Nitrosodiphenylamine	10.586	169	479294	56.141	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	164323	55.919	ng		99
68) Hexachlorobenzene	11.022	284	179167	54.212	ng		99
69) Atrazine	11.110	200	156202	67.542	ng		98
70) Pentachlorophenol	11.216	266	213326	106.356	ng		99
71) Phenanthrene	11.439	178	700993	52.026	ng		100
72) Anthracene	11.492	178	714722	54.367	ng		100
73) Carbazole	11.645	167	607885	49.719	ng		100
74) Di-n-butylphthalate	11.975	149	775297	54.886	ng		100
75) Fluoranthene	12.628	202	611032	44.860	ng		98
77) Benzidine	12.745	184	156772	57.860	ng		99
78) Pyrene	12.857	202	607684	42.131	ng		99
80) Butylbenzylphthalate	13.475	149	242592	56.100	ng		98
81) Benzo(a)anthracene	14.045	228	567503	52.906	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	124225	39.720	ng		99
83) Chrysene	14.080	228	507254	51.577	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	320782	66.119	ng		100
85) Di-n-octyl phthalate	14.645	149	612589	69.420	ng		99
87) Indeno(1,2,3-cd)pyrene	17.033	276	1006407	70.234	ng		97
88) Benzo(b)fluoranthene	15.098	252	696336	51.321	ng		99
89) Benzo(k)fluoranthene	15.127	252	539757	46.127	ng		99
90) Benzo(a)pyrene	15.468	252	612597	54.870	ng		99
91) Dibenzo(a,h)anthracene	17.051	278	830579	69.482	ng		98
92) Benzo(g,h,i)perylene	17.486	276	729168	61.067	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140007.D
Acq On : 24 Oct 2024 18:14
Operator : RC/JU
Sample : P4460-03MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOTMSD

Quant Time: Oct 25 01:08:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	BF101824	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BF139848.D	Phenol	yogesh	10/21/2024 6:33:45 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC050	BF139849.D	Phenol	yogesh	10/21/2024 6:33:46 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC060	BF139850.D	Phenol	yogesh	10/21/2024 6:33:47 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC080	BF139851.D	Aniline	yogesh	10/21/2024 6:33:49 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICV040	BF139852.D	Phenol	yogesh	10/21/2024 6:33:50 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF102324	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139952.D	Phenol	yogesh	10/24/2024 1:42:16 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
PB164286BS	BF139963.D	Caprolactam	yogesh	10/24/2024 1:42:26 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
PB164286BS	BF139963.D	Phenol	yogesh	10/24/2024 1:42:26 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
SSTDCCC040	BF139965.D	Phenol	yogesh	10/24/2024 1:42:27 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF102424	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139990.D	Phenol	yogesh	10/25/2024 6:26:47 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
SSTDCCC040	BF140001.D	Phenol	yogesh	10/25/2024 6:27:19 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
P4460-03MS	BF140006.D	Phenol	yogesh	10/25/2024 6:27:34 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
P4460-03MSD	BF140007.D	Phenol	yogesh	10/25/2024 6:27:37 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF102624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140050.D	Phenol	yogesh	10/29/2024 1:34:09 AM	mohammad	10/29/2024 1:38:32 AM	Peak Integrated by Software
P4460-02	BF140068.D	Benzo(b)fluoranthene	yogesh	10/29/2024 1:34:19 AM	mohammad	10/29/2024 1:38:32 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bm102324	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM048201.D	Benzaldehyde	yogesh	10/24/2024 1:43:00 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC005	BM048201.D	Benzoic acid	yogesh	10/24/2024 1:43:00 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC005	BM048201.D	Caprolactam	yogesh	10/24/2024 1:43:00 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC010	BM048202.D	Benzaldehyde	yogesh	10/24/2024 1:43:00 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC010	BM048202.D	Benzoic acid	yogesh	10/24/2024 1:43:00 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC010	BM048202.D	Caprolactam	yogesh	10/24/2024 1:43:00 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICCC040	BM048204.D	Pyridine	yogesh	10/24/2024 1:43:01 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC050	BM048205.D	Pyridine	yogesh	10/24/2024 1:43:03 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC060	BM048206.D	Pyridine	yogesh	10/24/2024 1:43:05 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICC080	BM048207.D	Pyridine	yogesh	10/24/2024 1:43:06 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software
SSTDICV040	BM048208.D	Pyridine	yogesh	10/24/2024 1:43:08 AM	mohammad	10/24/2024 1:59:34 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM102424	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM048211.D	Pyridine	yogesh	10/25/2024 11:53:13 PM	mohammad	10/26/2024 4:14:29 AM	Peak Integrated by Software
SSTDCCC040	BM048226.D	Pyridine	yogesh	10/25/2024 11:53:38 PM	mohammad	10/26/2024 4:14:29 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BM102524	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM048228.D	Pyridine	yogesh	10/25/2024 11:59:12 PM	mohammad	10/28/2024 3:13:37 AM	Peak Integrated by Software
SSTDCCC040	BM048239.D	Pyridine	yogesh	10/25/2024 11:59:51 PM	mohammad	10/28/2024 3:13:37 AM	Peak Integrated by Software

Alliance TECHNICAL GROUP
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 # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139843.D	18 Oct 2024 09:22	RC/JU	Ok
2	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27	RC/JU	Ok
3	SSTDICC005	BF139845.D	18 Oct 2024 10:55	RC/JU	Ok
4	SSTDICC010	BF139846.D	18 Oct 2024 11:23	RC/JU	Ok
5	SSTDICC020	BF139847.D	18 Oct 2024 11:52	RC/JU	Ok
6	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	RC/JU	Ok,M
7	SSTDICC050	BF139849.D	18 Oct 2024 12:49	RC/JU	Ok,M
8	SSTDICC060	BF139850.D	18 Oct 2024 13:17	RC/JU	Ok,M
9	SSTDICC080	BF139851.D	18 Oct 2024 13:46	RC/JU	Ok,M
10	SSTDICV040	BF139852.D	18 Oct 2024 14:19	RC/JU	Ok,M
11	PB164211BL	BF139853.D	18 Oct 2024 14:48	RC/JU	Ok
12	P4405-01	BF139854.D	18 Oct 2024 15:21	RC/JU	Ok
13	P4431-01	BF139855.D	18 Oct 2024 15:50	RC/JU	Ok,M
14	P4421-01	BF139856.D	18 Oct 2024 16:18	RC/JU	Ok,M
15	P4422-01	BF139857.D	18 Oct 2024 16:46	RC/JU	Ok
16	P4425-01	BF139858.D	18 Oct 2024 17:15	RC/JU	Ok
17	P4425-03	BF139859.D	18 Oct 2024 17:44	RC/JU	Ok
18	P4425-05	BF139860.D	18 Oct 2024 18:12	RC/JU	Ok
19	P4425-07	BF139861.D	18 Oct 2024 18:41	RC/JU	ReRun
20	P4425-09	BF139862.D	18 Oct 2024 19:09	RC/JU	ReRun
21	P4426-03	BF139863.D	18 Oct 2024 19:37	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4426-07	BF139864.D	18 Oct 2024 20:05	RC/JU	ReRun
23	P4426-17	BF139865.D	18 Oct 2024 20:34	RC/JU	ReRun
24	P4426-11	BF139866.D	18 Oct 2024 21:02	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139951.D	23 Oct 2024 08:52	RC/JU	Ok
2	SSTDCCC040	BF139952.D	23 Oct 2024 09:20	RC/JU	Ok,M
3	PB164020BL	BF139953.D	23 Oct 2024 09:48	RC/JU	Ok
4	PB164020BS	BF139954.D	23 Oct 2024 10:17	RC/JU	Ok,M
5	PB164237BL	BF139955.D	23 Oct 2024 10:45	RC/JU	Ok
6	PB164237BS	BF139956.D	23 Oct 2024 11:14	RC/JU	Ok,M
7	PB164208BL	BF139957.D	23 Oct 2024 11:42	RC/JU	Ok
8	PB164216BS	BF139958.D	23 Oct 2024 12:10	RC/JU	Ok,M
9	PB164123BS	BF139959.D	23 Oct 2024 12:39	RC/JU	Ok,M
10	PB164154BS	BF139960.D	23 Oct 2024 13:07	RC/JU	Ok,M
11	PB164154BSD	BF139961.D	23 Oct 2024 13:36	RC/JU	Ok,M
12	PB164286BL	BF139962.D	23 Oct 2024 14:04	RC/JU	Ok
13	PB164286BS	BF139963.D	23 Oct 2024 14:33	RC/JU	Ok,M
14	DFTPP	BF139964.D	23 Oct 2024 15:01	RC/JU	Ok
15	SSTDCCC040	BF139965.D	23 Oct 2024 15:30	RC/JU	Ok,M
16	PB164195TB	BF139966.D	23 Oct 2024 15:58	RC/JU	Ok
17	P4397-06	BF139967.D	23 Oct 2024 16:32	RC/JU	Ok
18	P4443-06DL	BF139968.D	23 Oct 2024 17:01	RC/JU	Ok,M
19	P4458-01	BF139969.D	23 Oct 2024 17:30	RC/JU	Ok,M
20	P4397-06MS	BF139970.D	23 Oct 2024 17:59	RC/JU	Ok,M
21	P4397-06MSD	BF139971.D	23 Oct 2024 18:28	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4472-04	BF139972.D	23 Oct 2024 18:56	RC/JU	Ok
23	P4468-06	BF139973.D	23 Oct 2024 19:25	RC/JU	Ok
24	P4468-04	BF139974.D	23 Oct 2024 19:54	RC/JU	Ok
25	P4397-04	BF139975.D	23 Oct 2024 20:22	RC/JU	Ok
26	P4397-02	BF139976.D	23 Oct 2024 20:51	RC/JU	Ok
27	P4397-02MS	BF139977.D	23 Oct 2024 21:20	RC/JU	Ok,M
28	P4397-02MSD	BF139978.D	23 Oct 2024 21:49	RC/JU	Ok,M
29	P4397-01	BF139979.D	23 Oct 2024 22:17	RC/JU	Ok,M
30	P4468-05	BF139980.D	23 Oct 2024 22:46	RC/JU	Ok
31	P4472-01	BF139981.D	23 Oct 2024 23:14	RC/JU	Ok
32	P4385-20	BF139982.D	23 Oct 2024 23:43	RC/JU	Ok,M
33	P4385-14	BF139983.D	24 Oct 2024 00:11	RC/JU	Ok
34	P4474-01	BF139984.D	24 Oct 2024 00:40	RC/JU	Ok
35	P4473-01	BF139985.D	24 Oct 2024 01:08	RC/JU	Ok
36	P4489-01	BF139986.D	24 Oct 2024 01:37	RC/JU	Dilution
37	P4486-01	BF139987.D	24 Oct 2024 02:06	RC/JU	Ok,M
38	P4468-03	BF139988.D	24 Oct 2024 02:34	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM				
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM				
SubDirectory	BF102424	HP Acquire Method	BNA_F		HP Processing Method	bf101824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139989.D	24 Oct 2024 09:26	RC/JU	Ok
2	SSTDCCC040	BF139990.D	24 Oct 2024 09:55	RC/JU	Ok,M
3	PB164312BL	BF139991.D	24 Oct 2024 10:23	RC/JU	Ok
4	PB164312BS	BF139992.D	24 Oct 2024 10:52	RC/JU	Ok,M
5	PB164315BL	BF139993.D	24 Oct 2024 11:20	RC/JU	Ok
6	PB164315BS	BF139994.D	24 Oct 2024 11:49	RC/JU	Ok,M
7	PB164301TB	BF139995.D	24 Oct 2024 12:17	RC/JU	Ok
8	PB163997BS	BF139996.D	24 Oct 2024 12:53	RC/JU	Ok,M
9	PB164208BS	BF139997.D	24 Oct 2024 13:21	RC/JU	Ok,M
10	PB164338BL	BF139998.D	24 Oct 2024 13:50	RC/JU	Ok
11	PB164338BS	BF139999.D	24 Oct 2024 14:19	RC/JU	Ok,M
12	DFTPP	BF140000.D	24 Oct 2024 14:47	RC/JU	Ok
13	SSTDCCC040	BF140001.D	24 Oct 2024 15:16	RC/JU	Ok,M
14	PB164261TB	BF140002.D	24 Oct 2024 15:44	RC/JU	Ok
15	P4489-01DL	BF140003.D	24 Oct 2024 16:19	RC/JU	Ok
16	P4467-01MS	BF140004.D	24 Oct 2024 16:48	RC/JU	Ok,M
17	P4467-01MSD	BF140005.D	24 Oct 2024 17:17	RC/JU	Ok,M
18	P4460-03MS	BF140006.D	24 Oct 2024 17:45	RC/JU	Ok,M
19	P4460-03MSD	BF140007.D	24 Oct 2024 18:14	RC/JU	Ok,M
20	P4467-04	BF140008.D	24 Oct 2024 18:42	RC/JU	Ok
21	P4472-08	BF140009.D	24 Oct 2024 19:11	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4460-03	BF140010.D	24 Oct 2024 19:39	RC/JU	ReRun
23	P4471-01	BF140011.D	24 Oct 2024 20:08	RC/JU	Ok
24	P4471-02	BF140012.D	24 Oct 2024 20:36	RC/JU	ReRun
25	P4467-01	BF140013.D	24 Oct 2024 21:04	RC/JU	ReRun
26	P4460-04	BF140014.D	24 Oct 2024 21:33	RC/JU	ReRun
27	P4468-01	BF140015.D	24 Oct 2024 22:01	RC/JU	ReRun
28	P4485-01	BF140016.D	24 Oct 2024 22:29	RC/JU	ReRun
29	P4487-01	BF140017.D	24 Oct 2024 22:58	RC/JU	ReRun
30	P4487-05	BF140018.D	24 Oct 2024 23:26	RC/JU	Ok
31	P4487-05MS	BF140019.D	24 Oct 2024 23:54	RC/JU	Ok,M
32	P4487-05MSD	BF140020.D	25 Oct 2024 00:22	RC/JU	Ok,M
33	P4485-02	BF140021.D	25 Oct 2024 00:50	RC/JU	ReRun
34	P4512-03	BF140022.D	25 Oct 2024 01:19	RC/JU	ReRun
35	P4470-01	BF140023.D	25 Oct 2024 01:46	RC/JU	Ok
36	P4472-05	BF140024.D	25 Oct 2024 02:14	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102624

Review By	yogesh	Review On	10/29/2024 1:34:36 AM		
Supervise By	mohammad	Supervise On	10/29/2024 1:38:32 AM		
SubDirectory	BF102624	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140049.D	26 Oct 2024 10:10	RC/JU	Ok
2	SSTDCCC040	BF140050.D	26 Oct 2024 10:38	RC/JU	Ok,M
3	PB164401BL	BF140051.D	26 Oct 2024 11:06	RC/JU	Ok
4	PB164401BS	BF140052.D	26 Oct 2024 11:34	RC/JU	Ok,M
5	P4508-09	BF140053.D	26 Oct 2024 12:06	RC/JU	Ok
6	P4508-09MS	BF140054.D	26 Oct 2024 12:34	RC/JU	Ok,M
7	P4508-09MSD	BF140055.D	26 Oct 2024 13:02	RC/JU	Ok,M
8	P4547-05	BF140056.D	26 Oct 2024 13:30	RC/JU	Ok
9	P4547-05MS	BF140057.D	26 Oct 2024 13:58	RC/JU	Ok,M
10	P4547-05MSD	BF140058.D	26 Oct 2024 14:27	RC/JU	Ok,M
11	P4508-05	BF140059.D	26 Oct 2024 14:55	RC/JU	Ok
12	P4517-07	BF140060.D	26 Oct 2024 15:23	RC/JU	Ok
13	P4487-08	BF140061.D	26 Oct 2024 15:51	RC/JU	Ok
14	P4460-04	BF140062.D	26 Oct 2024 16:20	RC/JU	Ok
15	P4460-03	BF140063.D	26 Oct 2024 16:48	RC/JU	Ok
16	P4471-02	BF140064.D	26 Oct 2024 17:16	RC/JU	Ok
17	P4508-12	BF140065.D	26 Oct 2024 17:44	RC/JU	Ok
18	P4508-04	BF140066.D	26 Oct 2024 18:12	RC/JU	Ok
19	P4508-08	BF140067.D	26 Oct 2024 18:40	RC/JU	Ok
20	P4460-02	BF140068.D	26 Oct 2024 19:09	RC/JU	Ok,M
21	P4547-01	BF140069.D	26 Oct 2024 19:37	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102624

Review By	yogesh	Review On	10/29/2024 1:34:36 AM		
Supervise By	mohammad	Supervise On	10/29/2024 1:38:32 AM		
SubDirectory	BF102624	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4508-01	BF140070.D	26 Oct 2024 20:05	RC/JU	Ok
23	P4545-01	BF140071.D	26 Oct 2024 20:33	RC/JU	Ok,M
24	P4509-01	BF140072.D	26 Oct 2024 21:01	RC/JU	Ok,M
25	P4531-01	BF140073.D	26 Oct 2024 21:29	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102324

Review By	yogesh	Review On	10/24/2024 1:43:12 AM		
Supervise By	mohammad	Supervise On	10/24/2024 1:59:34 AM		
SubDirectory	BM102324	HP Acquire Method	BNA_M	HP Processing Method	bm102324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM048199.D	23 Oct 2024 11:47	RC/JU	Ok
2	SSTDICC2.5	BM048200.D	23 Oct 2024 12:26	RC/JU	Ok
3	SSTDICC005	BM048201.D	23 Oct 2024 13:05	RC/JU	Ok,M
4	SSTDICC010	BM048202.D	23 Oct 2024 13:45	RC/JU	Ok,M
5	SSTDICC020	BM048203.D	23 Oct 2024 14:24	RC/JU	Ok
6	SSTDICCC040	BM048204.D	23 Oct 2024 15:04	RC/JU	Ok,M
7	SSTDICC050	BM048205.D	23 Oct 2024 15:43	RC/JU	Ok,M
8	SSTDICC060	BM048206.D	23 Oct 2024 16:23	RC/JU	Ok,M
9	SSTDICC080	BM048207.D	23 Oct 2024 17:02	RC/JU	Ok,M
10	SSTDICV040	BM048208.D	23 Oct 2024 17:46	RC/JU	Ok,M
11	PB164286BL	BM048209.D	23 Oct 2024 18:25	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102424

Review By	yogesh	Review On	10/25/2024 11:54:54 PM				
Supervise By	mohammad	Supervise On	10/26/2024 4:14:29 AM				
SubDirectory	BM102424	HP Acquire Method	BNA_M		HP Processing Method	bm102324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM048210.D	24 Oct 2024 10:31	RC/JU	Ok
2	SSTDCCC040	BM048211.D	24 Oct 2024 11:11	RC/JU	Ok,M
3	PB164369BL	BM048212.D	24 Oct 2024 11:50	RC/JU	Ok
4	P4368-08	BM048213.D	24 Oct 2024 12:29	RC/JU	Ok,M
5	P4368-08	BM048214.D	24 Oct 2024 13:09	RC/JU	Ok,M
6	P4368-07	BM048215.D	24 Oct 2024 13:51	RC/JU	Ok,M
7	P4368-02	BM048216.D	24 Oct 2024 14:30	RC/JU	Ok,M
8	P4368-02	BM048217.D	24 Oct 2024 15:10	RC/JU	Ok,M
9	P4368-08	BM048218.D	24 Oct 2024 15:49	RC/JU	Ok,M
10	P4368-02	BM048219.D	24 Oct 2024 16:29	RC/JU	Ok,M
11	P4368-08	BM048220.D	24 Oct 2024 17:08	RC/JU	Ok,M
12	P4368-02	BM048221.D	24 Oct 2024 17:48	RC/JU	Ok,M
13	P4368-07	BM048222.D	24 Oct 2024 18:27	RC/JU	Ok,M
14	P4368-01	BM048223.D	24 Oct 2024 19:07	RC/JU	Ok,M
15	P4368-01	BM048224.D	24 Oct 2024 19:46	RC/JU	Ok,M
16	PB164366BL	BM048225.D	24 Oct 2024 20:26	RC/JU	Ok
17	SSTDCCC040	BM048226.D	24 Oct 2024 21:05	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102524

Review By	yogesh	Review On	10/26/2024 12:00:14 AM				
Supervise By	mohammad	Supervise On	10/28/2024 3:13:37 AM				
SubDirectory	BM102524	HP Acquire Method	BNA_M		HP Processing Method	bm102324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM048227.D	25 Oct 2024 08:10	RC/JU	Ok
2	SSTDCCC040	BM048228.D	25 Oct 2024 08:49	RC/JU	Ok,M
3	PB164382BL	BM048229.D	25 Oct 2024 09:28	RC/JU	Ok
4	P4368-09	BM048230.D	25 Oct 2024 10:07	RC/JU	Ok,M
5	P4368-09	BM048231.D	25 Oct 2024 10:47	RC/JU	Ok,M
6	PB164369BS	BM048232.D	25 Oct 2024 12:19	RC/JU	Not Ok
7	PB164369BSD	BM048233.D	25 Oct 2024 12:58	RC/JU	Ok
8	PB164401BL	BM048234.D	25 Oct 2024 13:38	RC/JU	Ok
9	P4368-03	BM048235.D	25 Oct 2024 14:17	RC/JU	Ok,M
10	P4368-03	BM048236.D	25 Oct 2024 14:56	RC/JU	Ok,M
11	PB164369BS	BM048237.D	25 Oct 2024 15:42	RC/JU	Ok
12	P4460-06	BM048238.D	25 Oct 2024 16:21	RC/JU	Ok
13	SSTDCCC040	BM048239.D	25 Oct 2024 17:00	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/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	BF139843.D	18 Oct 2024 09:22		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF139845.D	18 Oct 2024 10:55	Compound #9,32,54,65,85 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF139846.D	18 Oct 2024 11:23		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF139847.D	18 Oct 2024 11:52	Compound #54 Kept on LR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF139849.D	18 Oct 2024 12:49	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF139850.D	18 Oct 2024 13:17		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF139851.D	18 Oct 2024 13:46		RC/JU	Ok,M
10	SSTDICV040	SSTDICV040	BF139852.D	18 Oct 2024 14:19		RC/JU	Ok,M
11	PB164211BL	PB164211BL	BF139853.D	18 Oct 2024 14:48		RC/JU	Ok
12	P4405-01	MH-121	BF139854.D	18 Oct 2024 15:21		RC/JU	Ok
13	P4431-01	72-11934	BF139855.D	18 Oct 2024 15:50		RC/JU	Ok,M
14	P4421-01	EO-02-101624	BF139856.D	18 Oct 2024 16:18		RC/JU	Ok,M
15	P4422-01	EO-01-101624	BF139857.D	18 Oct 2024 16:46		RC/JU	Ok
16	P4425-01	TP-1	BF139858.D	18 Oct 2024 17:15		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4425-03	TP-2	BF139859.D	18 Oct 2024 17:44		RC/JU	Ok
18	P4425-05	TP-3	BF139860.D	18 Oct 2024 18:12		RC/JU	Ok
19	P4425-07	TP-4	BF139861.D	18 Oct 2024 18:41	Internal Standrad Fail	RC/JU	ReRun
20	P4425-09	TP-5	BF139862.D	18 Oct 2024 19:09	Internal Standrad Fail	RC/JU	ReRun
21	P4426-03	PAD-2	BF139863.D	18 Oct 2024 19:37	Internal Standrad Fail	RC/JU	ReRun
22	P4426-07	PAD-4	BF139864.D	18 Oct 2024 20:05	Internal Standrad Fail	RC/JU	ReRun
23	P4426-17	PAD-9	BF139865.D	18 Oct 2024 20:34	Internal Standard Fail	RC/JU	ReRun
24	P4426-11	PAD-6	BF139866.D	18 Oct 2024 21:02	Internal Standard Fail	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/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	BF139951.D	23 Oct 2024 08:52		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139952.D	23 Oct 2024 09:20		RC/JU	Ok,M
3	PB164020BL	PB164020BL	BF139953.D	23 Oct 2024 09:48		RC/JU	Ok
4	PB164020BS	PB164020BS	BF139954.D	23 Oct 2024 10:17		RC/JU	Ok,M
5	PB164237BL	PB164237BL	BF139955.D	23 Oct 2024 10:45		RC/JU	Ok
6	PB164237BS	PB164237BS	BF139956.D	23 Oct 2024 11:14		RC/JU	Ok,M
7	PB164208BL	PB164208BL	BF139957.D	23 Oct 2024 11:42		RC/JU	Ok
8	PB164216BS	PB164216BS	BF139958.D	23 Oct 2024 12:10		RC/JU	Ok,M
9	PB164123BS	PB164123BS	BF139959.D	23 Oct 2024 12:39		RC/JU	Ok,M
10	PB164154BS	PB164154BS	BF139960.D	23 Oct 2024 13:07		RC/JU	Ok,M
11	PB164154BSD	PB164154BSD	BF139961.D	23 Oct 2024 13:36		RC/JU	Ok,M
12	PB164286BL	PB164286BL	BF139962.D	23 Oct 2024 14:04		RC/JU	Ok
13	PB164286BS	PB164286BS	BF139963.D	23 Oct 2024 14:33		RC/JU	Ok,M
14	DFTPP	DFTPP	BF139964.D	23 Oct 2024 15:01		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF139965.D	23 Oct 2024 15:30		RC/JU	Ok,M
16	PB164195TB	PB164195TB	BF139966.D	23 Oct 2024 15:58		RC/JU	Ok
17	P4397-06	WB-301-BOT	BF139967.D	23 Oct 2024 16:32		RC/JU	Ok
18	P4443-06DL	OG-315-HR-502-COMP	BF139968.D	23 Oct 2024 17:01		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4458-01	280517	BF139969.D	23 Oct 2024 17:30		RC/JU	Ok,M
20	P4397-06MS	WB-301-BOTMS	BF139970.D	23 Oct 2024 17:59		RC/JU	Ok,M
21	P4397-06MSD	WB-301-BOTMSD	BF139971.D	23 Oct 2024 18:28		RC/JU	Ok,M
22	P4472-04	BP-F-28	BF139972.D	23 Oct 2024 18:56		RC/JU	Ok
23	P4468-06	ETGI-345	BF139973.D	23 Oct 2024 19:25		RC/JU	Ok
24	P4468-04	ETGI-329	BF139974.D	23 Oct 2024 19:54		RC/JU	Ok
25	P4397-04	WB-301-SW	BF139975.D	23 Oct 2024 20:22		RC/JU	Ok
26	P4397-02	WB-301-BOT	BF139976.D	23 Oct 2024 20:51		RC/JU	Ok
27	P4397-02MS	WB-301-BOTMS	BF139977.D	23 Oct 2024 21:20		RC/JU	Ok,M
28	P4397-02MSD	WB-301-BOTMSD	BF139978.D	23 Oct 2024 21:49		RC/JU	Ok,M
29	P4397-01	WB-301-TOP	BF139979.D	23 Oct 2024 22:17		RC/JU	Ok,M
30	P4468-05	ETGI-345	BF139980.D	23 Oct 2024 22:46		RC/JU	Ok
31	P4472-01	BP-F-28	BF139981.D	23 Oct 2024 23:14		RC/JU	Ok
32	P4385-20	SP-10	BF139982.D	23 Oct 2024 23:43		RC/JU	Ok,M
33	P4385-14	SP-7	BF139983.D	24 Oct 2024 00:11		RC/JU	Ok
34	P4474-01	TS-2	BF139984.D	24 Oct 2024 00:40		RC/JU	Ok
35	P4473-01	TS-1	BF139985.D	24 Oct 2024 01:08		RC/JU	Ok
36	P4489-01	RT-2675	BF139986.D	24 Oct 2024 01:37	Internal Standard Failed, Need 5X Dilution	RC/JU	Dilution
37	P4486-01	EO-03-102224	BF139987.D	24 Oct 2024 02:06		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4468-03	ETGI-329	BF139988.D	24 Oct 2024 02:34		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/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	BF139989.D	24 Oct 2024 09:26		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139990.D	24 Oct 2024 09:55		RC/JU	Ok,M
3	PB164312BL	PB164312BL	BF139991.D	24 Oct 2024 10:23		RC/JU	Ok
4	PB164312BS	PB164312BS	BF139992.D	24 Oct 2024 10:52		RC/JU	Ok,M
5	PB164315BL	PB164315BL	BF139993.D	24 Oct 2024 11:20		RC/JU	Ok
6	PB164315BS	PB164315BS	BF139994.D	24 Oct 2024 11:49		RC/JU	Ok,M
7	PB164301TB	PB164301TB	BF139995.D	24 Oct 2024 12:17		RC/JU	Ok
8	PB163997BS	PB163997BS	BF139996.D	24 Oct 2024 12:53		RC/JU	Ok,M
9	PB164208BS	PB164208BS	BF139997.D	24 Oct 2024 13:21		RC/JU	Ok,M
10	PB164338BL	PB164338BL	BF139998.D	24 Oct 2024 13:50		RC/JU	Ok
11	PB164338BS	PB164338BS	BF139999.D	24 Oct 2024 14:19		RC/JU	Ok,M
12	DFTPP	DFTPP	BF140000.D	24 Oct 2024 14:47		RC/JU	Ok
13	SSTDCCC040	SSTDCCC040	BF140001.D	24 Oct 2024 15:16		RC/JU	Ok,M
14	PB164261TB	PB164261TB	BF140002.D	24 Oct 2024 15:44		RC/JU	Ok
15	P4489-01DL	RT-2675DL	BF140003.D	24 Oct 2024 16:19	Internal Standard Fail	RC/JU	Ok
16	P4467-01MS	TP-1MS	BF140004.D	24 Oct 2024 16:48		RC/JU	Ok,M
17	P4467-01MSD	TP-1MSD	BF140005.D	24 Oct 2024 17:17		RC/JU	Ok,M
18	P4460-03MS	WB-303-BOTMS	BF140006.D	24 Oct 2024 17:45		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4460-03MSD	WB-303-BOTMSD	BF140007.D	24 Oct 2024 18:14		RC/JU	Ok,M
20	P4467-04	TP-1	BF140008.D	24 Oct 2024 18:42		RC/JU	Ok
21	P4472-08	BP-F-6	BF140009.D	24 Oct 2024 19:11		RC/JU	Ok
22	P4460-03	WB-303-BOT	BF140010.D	24 Oct 2024 19:39	Internal Standrad Fail	RC/JU	ReRun
23	P4471-01	B-180-SB01	BF140011.D	24 Oct 2024 20:08		RC/JU	Ok
24	P4471-02	B-180-SB02	BF140012.D	24 Oct 2024 20:36	Internal Standrad Fail	RC/JU	ReRun
25	P4467-01	TP-1	BF140013.D	24 Oct 2024 21:04	Internal Standrad Fail	RC/JU	ReRun
26	P4460-04	WB-303-BOT	BF140014.D	24 Oct 2024 21:33	Internal Standrad Fail	RC/JU	ReRun
27	P4468-01	ETGI-331	BF140015.D	24 Oct 2024 22:01	Internal Standrad Fail	RC/JU	ReRun
28	P4485-01	D20241001-01-04	BF140016.D	24 Oct 2024 22:29	Internal Standrad Fail	RC/JU	ReRun
29	P4487-01	BP-B5	BF140017.D	24 Oct 2024 22:58	Internal Standrad Fail	RC/JU	ReRun
30	P4487-05	BP-F27	BF140018.D	24 Oct 2024 23:26	Internal Standrad Fail	RC/JU	Ok
31	P4487-05MS	BP-F27MS	BF140019.D	24 Oct 2024 23:54	Internal Standrad Fail	RC/JU	Ok,M
32	P4487-05MSD	BP-F27MSD	BF140020.D	25 Oct 2024 00:22	Internal Standrad Fail	RC/JU	Ok,M
33	P4485-02	D20241001-01-04	BF140021.D	25 Oct 2024 00:50	Internal Standrad Fail	RC/JU	ReRun
34	P4512-03	VNJ-212	BF140022.D	25 Oct 2024 01:19	Internal Standrad Fail	RC/JU	ReRun
35	P4470-01	CL-01-102124	BF140023.D	25 Oct 2024 01:46		RC/JU	Ok
36	P4472-05	BP-F-6	BF140024.D	25 Oct 2024 02:14	Internal Standrad Fail	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102624

Review By	yogesh	Review On	10/29/2024 1:34:36 AM		
Supervise By	mohammad	Supervise On	10/29/2024 1:38:32 AM		
SubDirectory	BF102624	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/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	BF140049.D	26 Oct 2024 10:10		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140050.D	26 Oct 2024 10:38		RC/JU	Ok,M
3	PB164401BL	PB164401BL	BF140051.D	26 Oct 2024 11:06		RC/JU	Ok
4	PB164401BS	PB164401BS	BF140052.D	26 Oct 2024 11:34		RC/JU	Ok,M
5	P4508-09	BP-F22	BF140053.D	26 Oct 2024 12:06		RC/JU	Ok
6	P4508-09MS	BP-F22MS	BF140054.D	26 Oct 2024 12:34		RC/JU	Ok,M
7	P4508-09MSD	BP-F22MSD	BF140055.D	26 Oct 2024 13:02		RC/JU	Ok,M
8	P4547-05	BP-F-20	BF140056.D	26 Oct 2024 13:30		RC/JU	Ok
9	P4547-05MS	BP-F-20MS	BF140057.D	26 Oct 2024 13:58		RC/JU	Ok,M
10	P4547-05MSD	BP-F-20MSD	BF140058.D	26 Oct 2024 14:27		RC/JU	Ok,M
11	P4508-05	BP-F23	BF140059.D	26 Oct 2024 14:55		RC/JU	Ok
12	P4517-07	FOREST-ST-CO	BF140060.D	26 Oct 2024 15:23		RC/JU	Ok
13	P4487-08	BP-B27	BF140061.D	26 Oct 2024 15:51		RC/JU	Ok
14	P4460-04	WB-303-BOT	BF140062.D	26 Oct 2024 16:20		RC/JU	Ok
15	P4460-03	WB-303-BOT	BF140063.D	26 Oct 2024 16:48		RC/JU	Ok
16	P4471-02	B-180-SB02	BF140064.D	26 Oct 2024 17:16		RC/JU	Ok
17	P4508-12	BP-F22	BF140065.D	26 Oct 2024 17:44		RC/JU	Ok
18	P4508-04	TP-3	BF140066.D	26 Oct 2024 18:12		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102624

Review By	yogesh	Review On	10/29/2024 1:34:36 AM		
Supervise By	mohammad	Supervise On	10/29/2024 1:38:32 AM		
SubDirectory	BF102624	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4508-08	BP-F23	BF140067.D	26 Oct 2024 18:40		RC/JU	Ok
20	P4460-02	WB-303-TOP	BF140068.D	26 Oct 2024 19:09		RC/JU	Ok,M
21	P4547-01	BP-F-21	BF140069.D	26 Oct 2024 19:37		RC/JU	Ok
22	P4508-01	TP-3	BF140070.D	26 Oct 2024 20:05		RC/JU	Ok
23	P4545-01	VNJ-215	BF140071.D	26 Oct 2024 20:33		RC/JU	Ok,M
24	P4509-01	AU-06-10232024	BF140072.D	26 Oct 2024 21:01		RC/JU	Ok,M
25	P4531-01	OR-03-102424	BF140073.D	26 Oct 2024 21:29		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102324

Review By	yogesh	Review On	10/24/2024 1:43:12 AM		
Supervise By	mohammad	Supervise On	10/24/2024 1:59:34 AM		
SubDirectory	BM102324	HP Acquire Method	BNA_M	HP Processing Method	bm102324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12322,10ul/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	BM048199.D	23 Oct 2024 11:47		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM048200.D	23 Oct 2024 12:26		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM048201.D	23 Oct 2024 13:05	Compound#54,56 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM048202.D	23 Oct 2024 13:45		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM048203.D	23 Oct 2024 14:24		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BM048204.D	23 Oct 2024 15:04	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BM048205.D	23 Oct 2024 15:43	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM048206.D	23 Oct 2024 16:23	The calibration Passed for 625.1 Method for all Compounds Except com#77	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM048207.D	23 Oct 2024 17:02	Comopunds#9,69 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBM102324	BM048208.D	23 Oct 2024 17:46		RC/JU	Ok,M
11	PB164286BL	PB164286BL	BM048209.D	23 Oct 2024 18:25		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102424

Review By	yogesh	Review On	10/25/2024 11:54:54 PM		
Supervise By	mohammad	Supervise On	10/26/2024 4:14:29 AM		
SubDirectory	BM102424	HP Acquire Method	BNA_M	HP Processing Method	bm102324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12323,10ul/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	BM048210.D	24 Oct 2024 10:31		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM048211.D	24 Oct 2024 11:11		RC/JU	Ok,M
3	PB164369BL	PB164369BL	BM048212.D	24 Oct 2024 11:50		RC/JU	Ok
4	P4368-08	LOQ-WATER-02-QT4-2	BM048213.D	24 Oct 2024 12:29	LOQ-WATER-5 PPM (Not used for Compound#6,69)	RC/JU	Ok,M
5	P4368-08	LOQ-WATER-02-QT4-2	BM048214.D	24 Oct 2024 13:09	LOQ-WATER-10 PPM (Not used for Compound#20,35,54,56,77,82,85)	RC/JU	Ok,M
6	P4368-07	LOD-MDL-WATER-01-(	BM048215.D	24 Oct 2024 13:51	LOD-MDL-WATER- 4 ppm	RC/JU	Ok,M
7	P4368-02	LOQ-SOIL-02-QT4-202	BM048216.D	24 Oct 2024 14:30	LOQ-SOIL-5 PPM (Not used for Compound#6,69)	RC/JU	Ok,M
8	P4368-02	LOQ-SOIL-02-QT4-202	BM048217.D	24 Oct 2024 15:10	LOQ-SOIL-10 PPM (Not used for Compound#20,35,54,56,77,82,85)	RC/JU	Ok,M
9	P4368-08	LOQ-WATER-02-QT4-2	BM048218.D	24 Oct 2024 15:49	LOQ-WATER-10 PPM (Use for Compound#20,35,54,56,77,82,85)	RC/JU	Ok,M
10	P4368-02	LOQ-SOIL-02-QT4-202	BM048219.D	24 Oct 2024 16:29	LOQ-SOIL-10 PPM (Use for Compound#20,35,54,56,77,82,85)	RC/JU	Ok,M
11	P4368-08	LOQ-WATER-02-QT4-2	BM048220.D	24 Oct 2024 17:08	LOQ-WATER-5 PPM (Use for Compound#6,69)	RC/JU	Ok,M
12	P4368-02	LOQ-SOIL-02-QT4-202	BM048221.D	24 Oct 2024 17:48	LOQ-SOIL-5 PPM (Use for Compound#6,69)	RC/JU	Ok,M
13	P4368-07	LOD-MDL-WATER-01-(	BM048222.D	24 Oct 2024 18:27	LOD-MDL-WATER- 8 ppm	RC/JU	Ok,M
14	P4368-01	LOD-MDL-SOIL-01-QT-	BM048223.D	24 Oct 2024 19:07	LOD-MDL-SOIL- 4 ppm	RC/JU	Ok,M

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102424

Review By	yogesh	Review On	10/25/2024 11:54:54 PM		
Supervise By	mohammad	Supervise On	10/26/2024 4:14:29 AM		
SubDirectory	BM102424	HP Acquire Method	BNA_M	HP Processing Method	bm102324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

15	P4368-01	LOD-MDL-SOIL-01-QT	BM048224.D	24 Oct 2024 19:46	LOD-MDL-SOIL- 8 ppm	RC/JU	Ok,M
16	PB164366BL	PB164366BL	BM048225.D	24 Oct 2024 20:26		RC/JU	Ok
17	SSTDCCC040	SSTDCCC040EC	BM048226.D	24 Oct 2024 21:05		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM102524

Review By	yogesh	Review On	10/26/2024 12:00:14 AM		
Supervise By	mohammad	Supervise On	10/28/2024 3:13:37 AM		
SubDirectory	BM102524	HP Acquire Method	BNA_M	HP Processing Method	bm102324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6621,SP6622,SP6623,SP6624,SP6625,SP6626,SP6627,SP6628
CCC	SP6624
Internal Standard/PEM	S12323,10ul/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	BM048227.D	25 Oct 2024 08:10		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM048228.D	25 Oct 2024 08:49		RC/JU	Ok,M
3	PB164382BL	PB164382BL	BM048229.D	25 Oct 2024 09:28		RC/JU	Ok
4	P4368-09	MDL-WATER-03-QT4-2	BM048230.D	25 Oct 2024 10:07	MDL-WATER-4 ppm	RC/JU	Ok,M
5	P4368-09	MDL-WATER-03-QT4-2	BM048231.D	25 Oct 2024 10:47	MDL-WATER-8 ppm	RC/JU	Ok,M
6	PB164369BS	PB164369BS	BM048232.D	25 Oct 2024 12:19	Internal Standard Fail	RC/JU	Not Ok
7	PB164369BSD	PB164369BSD	BM048233.D	25 Oct 2024 12:58		RC/JU	Ok
8	PB164401BL	PB164401BL	BM048234.D	25 Oct 2024 13:38		RC/JU	Ok
9	P4368-03	MDL-SOIL-03-QT4-202	BM048235.D	25 Oct 2024 14:17	MDL-SOIL-4 ppm	RC/JU	Ok,M
10	P4368-03	MDL-SOIL-03-QT4-202	BM048236.D	25 Oct 2024 14:56	MDL-SOIL-8 ppm	RC/JU	Ok,M
11	PB164369BS	PB164369BS	BM048237.D	25 Oct 2024 15:42		RC/JU	Ok
12	P4460-06	WB-303-SW	BM048238.D	25 Oct 2024 16:21		RC/JU	Ok
13	SSTDCCC040	SSTDCCC040EC	BM048239.D	25 Oct 2024 17:00		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164286

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/21/2024
Matrix :	Solid			**Extraction Start Time :**	09:28
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	10/21/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6630
Surrogate	1.0ML	100/150 PPM	SP6524
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	EP2538
Baked Na2SO4	N/A	EP2551
Sand	N/A	E2865
Methylene Chloride	N/A	E3817
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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
10/21/24	RP (Ext. Lab)	RC/SVOC
12:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164286

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 10/21/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164286BL	SBLK286	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U5-1
PB164286BS	SLCS286	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
P4443-01	OG-315-HR-502-COMP-29	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	A		3
P4443-06	OG-315-HR-502-COMP-30	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	A		4
P4452-01	ETGI-285	SVOC-PAH	50.03	N/A	ritesh	Evelyn	1	B	Concrete	5
P4455-01	SU-4-101824	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		6
P4456-01	PAD-10182024	SVOC-PAH	50.04	N/A	ritesh	Evelyn	1	B	Concrete	U1-1
P4458-01	280517	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	H		2
P4460-02	WB-303-TOP	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		3
P4460-03	WB-303-BOT	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		4
P4460-03MS	WB-303-BOTMS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		5
P4460-03MSD	WB-303-BOTMSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		6

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

184624 9:25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4452 **WorkList ID :** 184624 **Department :** Extraction **Date :** 10-21-2024 08:37:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4443-01	OG-315-HR-502-COMP-29	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/17/2024	8270E
P4443-06	OG-315-HR-502-COMP-30	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/17/2024	8270E
P4452-01	ETGI-285	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	K51	10/17/2024	8270E
P4455-01	SU-4-101824	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/18/2024	8270E
P4456-01	PAD-10182024	Solid	SVOC-PAH	Cool 4 deg C	PSEG05	K41	10/18/2024	8270E
P4458-01	280517	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/18/2024	8270E
P4460-02	WB-303-TOP	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K51	10/18/2024	8270E
P4460-03	WB-303-BOT	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	K51	10/18/2024	8270E

494 of 1693

Date/Time 10/21/24 9:25
Raw Sample Received by: RT (Sept Lab)
Raw Sample Relinquished by:

Date/Time 10/21/24 10:00
Raw Sample Received by:
Raw Sample Relinquished by: RT (Sept Lab)

P4460

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164369

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 10/23/2024

Extraction Start Time : 09:50

Extraction End Date : 10/23/2024

Extraction End Time : 14:50

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
LOD	1.0ML	~~N/A~~ 4 PPM 5 PPM	SP6507/6508
LOD	1.0ML	~~N/A~~ 8 PPM	SP6509
LOQ	1.0ML	~~N/A~~ 10 PPM	SP6510

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3817
Baked Na2SO4	N/A	EP2551
10N NaoH	N/A	EP2550
H2SO4 1:1	N/A	EP2548
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH. P4460-06 Limited volume recd.

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/24	RP (Sept 2024)	Ju/SVOC
14:55	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164369

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 10/23/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164369BL	SBLK369	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			SEP11
PB164369BS	SLCS369	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			12
PB164369BSD	SLCSD369	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			13
P4368-07	LOD-MDL-WATER-01-QT4-2024 4 PPM	SVOC-Chemtech Full -25	1000	6	RUPESH	rajesh	1			14
P4368-08	LOQ-WATER-02-QT4-2024 10 PPM	SVOC-Chemtech Full -25	1000	6	RUPESH	rajesh	1			15
P4460-06	WB-303-SW	SVOC-TCL BNA -20	490	6	RUPESH	rajesh	0.5	F		16
	LOD 5 PPM		1000	6			1			Sep9
	LOD 6 PPM		1000	6						10

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

10/23/24

164369
3W
9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4460 **WorkList ID :** 184727 **Department :** Extraction **Date :** 10-23-2024 09:44:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4368-07	LOD-MDL-WATER-01-QT4-202	Water	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	10/09/2024	8270E
P4368-08	LOQ-WATER-02-QT4-2024	Water	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	10/09/2024	8270E
P4460-06	WB-303-SW	Water	EPH	1:1 HCl to pH < 2	PORT06	K51	10/18/2024	NJEPH
P4460-06	WB-303-SW	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	K51	10/18/2024	8270E

Date/Time 10/23/24 9:45
Raw Sample Received by: RJ (Set Long)
Raw Sample Relinquished by: RM SM

Date/Time 10/23/24 10:10
Raw Sample Received by: RM SM
Raw Sample Relinquished by: RJ (Set Long)

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LAB CHRONICLE

OrderID:	P4460	**OrderDate:**	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	**WB-303-TOP**	**SOIL**			**10/18/24**			**10/18/24**
			SVOC-TCL BNA -20	8270E		10/21/24	10/26/24	
P4460-03	**WB-303-BOT**	**SOIL**			**10/18/24**			**10/18/24**
			SVOC-TCL BNA -20	8270E		10/21/24	10/26/24	
P4460-06	**WB-303-SW**	**Water**			**10/18/24**			**10/18/24**
			SVOC-TCL BNA -20	8270E		10/23/24	10/25/24	

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Hit Summary Sheet
SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

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

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF140062.D	1	10/22/24 10:30	10/26/24 16:20	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	136		15 (10) - 110 (139)	91%	SPK: 150
13127-88-3	Phenol-d6	124		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	114		30 (49) - 130 (133)	114%	SPK: 100
321-60-8	2-Fluorobiphenyl	106		30 (52) - 130 (132)	106%	SPK: 100
118-79-6	2,4,6-Tribromophenol	178	*	15 (44) - 110 (137)	119%	SPK: 150
1718-51-0	Terphenyl-d14	126		30 (48) - 130 (125)	126%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	132000	6.887			
1146-65-2	Naphthalene-d8	509000	8.169			
15067-26-2	Acenaphthene-d10	289000	9.922			
1517-22-2	Phenanthrene-d10	512000	11.41			
1719-03-5	Chrysene-d12	242000	14.045			
1520-96-3	Perylene-d12	245000	15.527			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF140062.D	1	10/22/24 10:30	10/26/24 16:20	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/22/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/22/24
Client Sample ID:	PB164261TB	SDG No.:	P4460
Lab Sample ID:	PB164261TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF140002.D	1	10/22/24 10:30	10/24/24 15:44	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	133		15 (10) - 110 (139)	88%	SPK: 150
13127-88-3	Phenol-d6	128		15 (10) - 110 (134)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.2		30 (49) - 130 (133)	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.6		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (48) - 130 (125)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	152000	6.887			
1146-65-2	Naphthalene-d8	588000	8.169			
15067-26-2	Acenaphthene-d10	329000	9.922			
1517-22-2	Phenanthrene-d10	604000	11.41			
1719-03-5	Chrysene-d12	331000	14.051			
1520-96-3	Perylene-d12	294000	15.527			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/22/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/22/24
Client Sample ID:	PB164261TB	SDG No.:	P4460
Lab Sample ID:	PB164261TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF140002.D	1	10/22/24 10:30	10/24/24 15:44	PB164315

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

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4397-06MS	WB-301-BOTMS	2-Fluorophenol	150	127	85		15 (10)	110 (139)
		Phenol-d6	150	118	79		15 (10)	110 (134)
		Nitrobenzene-d5	100	99.6	100		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	140	94		15 (44)	110 (137)
		Terphenyl-d14	100	79.0	79		30 (48)	130 (125)
P4397-06MSD	WB-301-BOTMSD	2-Fluorophenol	150	140	93		15 (10)	110 (139)
		Phenol-d6	150	130	87		15 (10)	110 (134)
		Nitrobenzene-d5	100	111	111		30 (49)	130 (133)
		2-Fluorobiphenyl	100	112	112		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	154	103		15 (44)	110 (137)
		Terphenyl-d14	100	84.9	85		30 (48)	130 (125)
P4460-04	WB-303-BOT	2-Fluorophenol	150	136	91		15 (10)	110 (139)
		Phenol-d6	150	124	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	114	114		30 (49)	130 (133)
		2-Fluorobiphenyl	100	106	106		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	178	119	*	15 (44)	110 (137)
		Terphenyl-d14	100	126	126		30 (48)	130 (125)
PB164261TB	PB164261TB	2-Fluorophenol	150	133	88		15 (10)	110 (139)
		Phenol-d6	150	128	85		15 (10)	110 (134)
		Nitrobenzene-d5	100	98.2	98		30 (49)	130 (133)
		2-Fluorobiphenyl	100	95.6	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	157	105		15 (44)	110 (137)
		Terphenyl-d14	100	101	101		30 (48)	130 (125)
PB164315BL	PB164315BL	2-Fluorophenol	150	134	90		15 (10)	110 (139)
		Phenol-d6	150	130	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	99.7	100		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.9	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	161	108		15 (44)	110 (137)
		Terphenyl-d14	100	95.3	95		30 (48)	130 (125)
PB164315BS	PB164315BS	2-Fluorophenol	150	126	84		15 (10)	110 (139)
		Phenol-d6	150	123	82		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.4	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.4	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	158	105		15 (44)	110 (137)
		Terphenyl-d14	100	107	107		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4397-06MS		**Client Sample ID: WB-301-BOTMS**						**DataFile: BF139970.D**			
Pyridine	500	0	260	ug/L	52				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	410	ug/L	82				70 (55)	130 (125)	
2-Methylphenol	500	0	450	ug/L	90				70 (37)	130 (126)	
3+4-Methylphenols	500	0	430	ug/L	86				20 (31)	160 (127)	
Hexachloroethane	500	0	400	ug/L	80				20 (49)	160 (110)	
Nitrobenzene	500	0	430	ug/L	86				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	440	ug/L	88				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	520	ug/L	104				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	490	ug/L	98				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	520	ug/L	104				70 (50)	130 (142)	
Hexachlorobenzene	500	0	490	ug/L	98				70 (72)	130 (115)	
Pentachlorophenol	1000	0	1000	ug/L	100				20 (25)	160 (139)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: P4397-06MSD		**Client Sample ID: WB-301-BOTMSD**						**DataFile: BF139971.D**			
Pyridine	500	0	310	ug/L	62		18		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	450	ug/L	90		9		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	490	ug/L	98		9		70 (37)	130 (126)	20 (20)
3+4-Methylphenols	500	0	470	ug/L	94		9		20 (31)	160 (127)	20 (20)
Hexachloroethane	500	0	440	ug/L	88		10		20 (49)	160 (110)	20 (20)
Nitrobenzene	500	0	490	ug/L	98		13		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	490	ug/L	98		11		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	570	ug/L	114		9		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	540	ug/L	108		10		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	570	ug/L	114		9		70 (50)	130 (142)	20 (20)
Hexachlorobenzene	500	0	550	ug/L	110		12		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	1100	ug/L	110		10		20 (25)	160 (139)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF139994.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164315BS	Pyridine	50	38.8	ug/L	78				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	45.3	ug/L	91				70 (76)	130 (103)	
	2-Methylphenol	50	46.6	ug/L	93				70 (69)	130 (109)	
	3+4-Methylphenols	50	44.2	ug/L	88				20 (67)	160 (106)	
	Hexachloroethane	50	45.5	ug/L	91				20 (76)	160 (118)	
	Nitrobenzene	50	43.6	ug/L	87				70 (58)	130 (106)	
	Hexachlorobutadiene	50	45.3	ug/L	91				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	50.9	ug/L	102				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	49.7	ug/L	99				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	54.7	ug/L	109				70 (60)	130 (115)	
	Hexachlorobenzene	50	49.6	ug/L	99				70 (73)	130 (106)	
	Pentachlorophenol	100	99.2	ug/L	99				20 (47)	160 (114)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164315BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF139993.D Lab Sample ID: PB164315BL

Instrument ID: BNA_F Date Extracted: 10/22/2024

Matrix: (soil/water) water Date Analyzed: 10/24/2024

Level: (low/med) LOW Time Analyzed: 11:20

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164315BS	PB164315BS	BF139994.D	10/24/2024
PB164261TB	PB164261TB	BF140002.D	10/24/2024
WB-303-BOT	P4460-04	BF140062.D	10/26/2024
WB-301-BOTMS	P4397-06MS	BF139970.D	10/23/2024
WB-301-BOTMSD	P4397-06MSD	BF139971.D	10/23/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF139843.D DFTPP Injection Date: 10/18/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	46.9
197	Less than 2.0% of mass 198	0.8
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	26.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	93.1
443	15.0 - 24.0% of mass 442	17.9 (19.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF139844.D	10/18/2024	10:27
SSTDICC005	SSTDICC005	BF139845.D	10/18/2024	10:55
SSTDICC010	SSTDICC010	BF139846.D	10/18/2024	11:23
SSTDICC020	SSTDICC020	BF139847.D	10/18/2024	11:52
SSTDICCC040	SSTDICCC040	BF139848.D	10/18/2024	12:20
SSTDICC050	SSTDICC050	BF139849.D	10/18/2024	12:49
SSTDICC060	SSTDICC060	BF139850.D	10/18/2024	13:17
SSTDICC080	SSTDICC080	BF139851.D	10/18/2024	13:46

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF139964.D DFTPP Injection Date: 10/23/2024

Instrument ID: BNA_F DFTPP Injection Time: 15:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.1
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.6
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	39
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	6.1
275	10.0 - 60.0% of mass 198	25.4
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139965.D	10/23/2024	15:30
WB-301-BOTMS	P4397-06MS	BF139970.D	10/23/2024	17:59
WB-301-BOTMSD	P4397-06MSD	BF139971.D	10/23/2024	18:28

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF139989.D DFTPP Injection Date: 10/24/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.5
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	29.8
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	37.5
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.6
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF139990.D	10/24/2024	09:55
PB164315BL	PB164315BL	BF139993.D	10/24/2024	11:20
PB164315BS	PB164315BS	BF139994.D	10/24/2024	11:49

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF140000.D DFTPP Injection Date: 10/24/2024

Instrument ID: BNA_F DFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	35.2
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.2
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	26.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140001.D	10/24/2024	15:16
PB164261TB	PB164261TB	BF140002.D	10/24/2024	15:44

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4460 SDG NO.: P4460

Lab File ID: BF140049.D DFTPP Injection Date: 10/26/2024

Instrument ID: BNA_F DFTPP Injection Time: 10:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.1
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	47.5
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	6.5
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	14.1
442	Greater than 50% of mass 198	93.5
443	15.0 - 24.0% of mass 442	18.1 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140050.D	10/26/2024	10:38
WB-303-BOT	P4460-04	BF140062.D	10/26/2024	16:20

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

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	159858	6.892	611382	8.18	340124	9.93
	UPPER LIMIT	319716	7.392	1222760	8.675	680248	10.428
	LOWER LIMIT	79929	6.392	305691	7.675	170062	9.428
	EPA SAMPLE NO.						
01	WB-301-BOTMS	145719	6.89	539980	8.18	259652	9.93
02	WB-301-BOTMSD	137496	6.89	502859	8.18	242617	9.93

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

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	597021	11.416	306092	14.057	358871	15.533
	UPPER LIMIT	1194040	11.916	612184	14.557	717742	16.033
	LOWER LIMIT	298511	10.916	153046	13.557	179436	15.033
	EPA SAMPLE NO.						
01	WB-301-BOTMS	394534	11.42	319585	14.06	328571	15.53
02	WB-301-BOTMSD	363131	11.42	305569	14.06	311545	15.53

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF139990.D Time Analyzed: 09:55

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	160242	6.892	587754	8.18	322730	9.93
	UPPER LIMIT	320484	7.392	1175510	8.675	645460	10.428
	LOWER LIMIT	80121	6.392	293877	7.675	161365	9.428
	EPA SAMPLE NO.						
01	PB164315BL	148560	6.89	574491	8.17	327603	9.93
02	PB164315BS	143702	6.89	566601	8.18	302186	9.93

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF139990.D Time Analyzed: 09:55

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	552693	11.416	268892	14.057	303963	15.533
	UPPER LIMIT	1105390	11.916	537784	14.557	607926	16.033
	LOWER LIMIT	276347	10.916	134446	13.557	151982	15.033
	EPA SAMPLE NO.						
01	PB164315BL	592376	11.41	363554	14.05	290384	15.53
02	PB164315BS	535948	11.42	260625	14.05	282742	15.53

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	162461	6.892	593909	8.18	325446	9.93
	UPPER LIMIT	324922	7.392	1187820	8.675	650892	10.428
	LOWER LIMIT	81230.5	6.392	296955	7.675	162723	9.428
	EPA SAMPLE NO.						
01	PB164261TB	152409	6.89	588451	8.17	328828	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.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	551060	11.416	264546	14.051	308388	15.533
	UPPER LIMIT	1102120	11.916	529092	14.551	616776	16.033
	LOWER LIMIT	275530	10.916	132273	13.551	154194	15.033
	EPA SAMPLE NO.						
01	PB164261TB	603559	11.41	330965	14.05	294008	15.53

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/26/2024

Lab File ID: BF140050.D Time Analyzed: 10:38

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	128827	6.892	465620	8.18	252523	9.93
	UPPER LIMIT	257654	7.392	931240	8.675	505046	10.428
	LOWER LIMIT	64413.5	6.392	232810	7.675	126262	9.428
	EPA SAMPLE NO.						
01	WB-303-BOT	131530	6.89	508830	8.17	288932	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.: P4460 SAS No.: P4460 SDG NO.: P4460

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/26/2024

Lab File ID: BF140050.D Time Analyzed: 10:38

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	452033	11.416	241717	14.051	235878	15.533
	UPPER LIMIT	904066	11.916	483434	14.551	471756	16.033
	LOWER LIMIT	226017	10.916	120859	13.551	117939	15.033
	EPA SAMPLE NO.						
01	WB-303-BOT	511533	11.41	241710	14.05	244924	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.

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164315BL	SDG No.:	P4460
Lab Sample ID:	PB164315BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139993.D	1	10/22/24 10:30	10/24/24 11:20	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.7		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.9		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		15 (44) - 110 (137)	108%	SPK: 150
1718-51-0	Terphenyl-d14	95.3		30 (48) - 130 (125)	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.886			
1146-65-2	Naphthalene-d8	574000	8.169			
15067-26-2	Acenaphthene-d10	328000	9.927			
1517-22-2	Phenanthrene-d10	592000	11.41			
1719-03-5	Chrysene-d12	364000	14.051			
1520-96-3	Perylene-d12	290000	15.527			

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	
Client Sample ID:	PB164315BL			SDG No.:	P4460
Lab Sample ID:	PB164315BL			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139993.D	1	10/22/24 10:30	10/24/24 11:20	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164315BS	SDG No.:	P4460
Lab Sample ID:	PB164315BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139994.D	1	10/22/24 10:30	10/24/24 11:49	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	38.8		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	45.3		0.84	5.00	ug/L
95-48-7	2-Methylphenol	46.6		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	44.2		1.20	10.0	ug/L
67-72-1	Hexachloroethane	45.5		1.00	5.00	ug/L
98-95-3	Nitrobenzene	43.6		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.3		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	50.9		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	49.7		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	54.7		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	49.6		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	99.2	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	126		15 (10) - 110 (139)	84%	SPK: 150
13127-88-3	Phenol-d6	123		15 (10) - 110 (134)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.4		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.4		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	107		30 (48) - 130 (125)	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	144000	6.892			
1146-65-2	Naphthalene-d8	567000	8.175			
15067-26-2	Acenaphthene-d10	302000	9.928			
1517-22-2	Phenanthrene-d10	536000	11.416			
1719-03-5	Chrysene-d12	261000	14.051			
1520-96-3	Perylene-d12	283000	15.527			

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	
Client Sample ID:	PB164315BS			SDG No.:	P4460
Lab Sample ID:	PB164315BS			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139994.D	1	10/22/24 10:30	10/24/24 11:49	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4397-06MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139970.D	1	10/22/24 10:30	10/23/24 17:59	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	260		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	410		8.40	50.0	ug/L
95-48-7	2-Methylphenol	450		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	430		11.5	100	ug/L
67-72-1	Hexachloroethane	400		10.1	50.0	ug/L
98-95-3	Nitrobenzene	430		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	440		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	520		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	490		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	520		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	490		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1000	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	127		15 (10) - 110 (139)	85%	SPK: 150
13127-88-3	Phenol-d6	118		15 (10) - 110 (134)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.6		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		15 (44) - 110 (137)	94%	SPK: 150
1718-51-0	Terphenyl-d14	79.0		30 (48) - 130 (125)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.893			
1146-65-2	Naphthalene-d8	540000	8.175			
15067-26-2	Acenaphthene-d10	260000	9.928			
1517-22-2	Phenanthrene-d10	395000	11.416			
1719-03-5	Chrysene-d12	320000	14.057			
1520-96-3	Perylene-d12	329000	15.533			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4397-06MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139970.D	1	10/22/24 10:30	10/23/24 17:59	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMSD	SDG No.:	P4460
Lab Sample ID:	P4397-06MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139971.D	1	10/22/24 10:30	10/23/24 18:28	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	310		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	450		8.40	50.0	ug/L
95-48-7	2-Methylphenol	490		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	470		11.5	100	ug/L
67-72-1	Hexachloroethane	440		10.1	50.0	ug/L
98-95-3	Nitrobenzene	490		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	490		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	570		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	540		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	570		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	550		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	140		15 (10) - 110 (139)	93%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	111		30 (49) - 130 (133)	111%	SPK: 100
321-60-8	2-Fluorobiphenyl	112		30 (52) - 130 (132)	112%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		15 (44) - 110 (137)	103%	SPK: 150
1718-51-0	Terphenyl-d14	84.9		30 (48) - 130 (125)	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	137000	6.893			
1146-65-2	Naphthalene-d8	503000	8.175			
15067-26-2	Acenaphthene-d10	243000	9.928			
1517-22-2	Phenanthrene-d10	363000	11.416			
1719-03-5	Chrysene-d12	306000	14.057			
1520-96-3	Perylene-d12	312000	15.533			

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMSD	SDG No.:	P4460
Lab Sample ID:	P4397-06MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139971.D	1	10/22/24 10:30	10/23/24 18:28	PB164315

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

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139844.D 5 =BF139845.D 10 =BF139846.D 20 =BF139847.D 40 =BF139848.D 50 =BF139849.D 60 =BF139850.D 80 =BF1398
51.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.651	0.625	0.603	0.591	0.571	0.581	0.548	0.596	5.74
3)		Pyridine		1.622	1.570	1.522	1.504	1.386	1.406	1.326	1.476	7.26
4)		n-Nitrosodimet...		0.815	0.800	0.799	0.806	0.782	0.794	0.757	0.793	2.39
5)	S	2-Fluorophenol		1.465	1.398	1.331	1.278	1.179	1.186	1.106	1.278	10.10
6)		Aniline		1.673	1.649	1.618	1.582	1.471	1.479	1.324	1.542	8.05
7)	S	Phenol-d6		1.900	1.818	1.709	1.647	1.538	1.539	1.432	1.655	10.06
8)		2-Chlorophenol		1.503	1.422	1.358	1.310	1.212	1.221	1.116	1.306	10.24
9)		Benzaldehyde			1.137	1.042	0.940	0.873	0.853	0.740	0.931	15.22
10)	C	Phenol		1.952	1.832	1.760	1.712	1.583	1.601	1.502	1.706	9.19
11)		bis(2-Chloroet...		1.470	1.423	1.359	1.294	1.251	1.249	1.183	1.319	7.82
12)		1,3-Dichlorobe...		1.718	1.656	1.544	1.499	1.392	1.391	1.294	1.499	10.19
13)	C	1,4-Dichlorobe...		1.723	1.641	1.558	1.487	1.392	1.391	1.291	1.498	10.19
14)		1,2-Dichlorobe...		1.660	1.579	1.478	1.379	1.273	1.267	1.149	1.398	13.15
15)		Benzyl Alcohol		1.355	1.299	1.257	1.213	1.154	1.146	1.071	1.214	8.07
16)		2,2'-oxybis(1-...		2.524	2.409	2.353	2.255	2.117	2.115	1.964	2.248	8.69
17)		2-Methylphenol		1.264	1.164	1.134	1.114	1.053	1.063	1.004	1.114	7.69
18)		Hexachloroethane		0.583	0.571	0.549	0.541	0.507	0.511	0.477	0.534	7.06
19)	P	n-Nitroso-di-n...	1.105	1.141	1.066	1.025	0.974	0.921	0.927	0.869	1.004	9.63
20)		3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.300	1.173	1.424	12.41
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.578	0.533	0.516	0.481	0.452	0.454	0.414	0.490	11.43
23)	S	Nitrobenzene-d5		0.365	0.365	0.372	0.371	0.354	0.357	0.342	0.361	2.92
24)		Nitrobenzene		0.417	0.402	0.408	0.403	0.383	0.388	0.370	0.396	4.10
25)		Isophorone		0.755	0.709	0.702	0.679	0.652	0.660	0.637	0.685	5.90
26)	C	2-Nitrophenol		0.124	0.137	0.150	0.157	0.158	0.161	0.157	0.149	9.22
27)		2,4-Dimethylph...		0.285	0.259	0.256	0.248	0.237	0.234	0.223	0.249	8.07
28)		bis(2-Chloroet...		0.468	0.440	0.432	0.412	0.394	0.390	0.369	0.415	8.22
29)	C	2,4-Dichloroph...		0.308	0.297	0.293	0.283	0.272	0.274	0.257	0.283	6.17
30)		1,2,4-Trichlor...		0.351	0.331	0.325	0.315	0.298	0.298	0.279	0.314	7.68
31)		Naphthalene		1.209	1.121	1.091	1.023	0.958	0.944	0.875	1.031	11.23
32)		Benzoic acid			0.175	0.207	0.220	0.231	0.235	0.235	0.217	10.69
33)		4-Chloroaniline		0.397	0.382	0.368	0.351	0.332	0.326	0.306	0.352	9.26
34)	C	Hexachlorobuta...		0.224	0.206	0.203	0.197	0.185	0.187	0.177	0.197	7.96
35)		Caprolactam		0.092	0.092	0.092	0.092	0.088	0.088	0.086	0.090	2.85
36)	C	4-Chloro-3-met...		0.341	0.328	0.324	0.315	0.299	0.303	0.287	0.314	6.03
37)		2-Methylnaphth...		0.740	0.689	0.666	0.621	0.587	0.583	0.537	0.632	11.11
38)		1-Methylnaphth...		0.726	0.683	0.655	0.612	0.569	0.567	0.526	0.620	11.55

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.609	0.579	0.562	0.537	0.512	0.506	0.472	0.540	8.72
41)	P	Hexachlorocycl...	0.185	0.193	0.198	0.198	0.186	0.185	0.169	0.188	5.28
42)	S	2,4,6-Tribromo...	0.201	0.196	0.193	0.188	0.179	0.180	0.173	0.187	5.47
43)	C	2,4,6-Trichlor...	0.405	0.382	0.400	0.387	0.363	0.383	0.354	0.382	4.80
44)		2,4,5-Trichlor...	0.426	0.425	0.398	0.401	0.381	0.369	0.359	0.394	6.58
45)	S	2-Fluorobiphenyl	1.512	1.396	1.280	1.162	1.088	1.060	0.973	1.210	16.05
46)		1,1'-Biphenyl	1.640	1.536	1.483	1.379	1.285	1.262	1.161	1.392	12.18
47)		2-Chloronaphth...	1.288	1.225	1.164	1.111	1.048	1.040	0.973	1.121	9.95
48)		2-Nitroaniline	0.299	0.318	0.353	0.365	0.354	0.362	0.349	0.343	7.20
49)		Acenaphthylene	1.854	1.756	1.717	1.615	1.507	1.505	1.394	1.621	10.06
50)		Dimethylphthalate	1.410	1.344	1.283	1.237	1.172	1.163	1.110	1.246	8.60
51)		2,6-Dinitrotol...	0.256	0.266	0.278	0.280	0.273	0.274	0.260	0.270	3.41
52)	C	Acenaphthene	1.200	1.136	1.089	1.044	0.977	0.983	0.913	1.049	9.55
53)		3-Nitroaniline	0.270	0.275	0.296	0.292	0.276	0.282	0.256	0.278	4.84
54)	P	2,4-Dinitrophenol		0.056	0.077	0.101	0.101	0.113	0.112	0.093	23.89
55)		Dibenzofuran	1.767	1.659	1.579	1.486	1.389	1.375	1.278	1.505	11.52
56)	P	4-Nitrophenol	0.187	0.207	0.225	0.232	0.219	0.220	0.208	0.214	6.84
57)		2,4-Dinitrotol...	0.280	0.314	0.337	0.356	0.344	0.351	0.338	0.332	7.94
58)		Fluorene	1.409	1.309	1.201	1.110	1.029	1.021	0.944	1.146	14.68
59)		2,3,4,6-Tetrac...	0.334	0.322	0.326	0.310	0.296	0.293	0.281	0.309	6.33
60)		Diethylphthalate	1.366	1.308	1.267	1.214	1.165	1.161	1.080	1.223	7.99
61)		4-Chlorophenyl...	0.698	0.638	0.617	0.569	0.526	0.520	0.484	0.579	13.14
62)		4-Nitroaniline	0.249	0.259	0.270	0.275	0.263	0.269	0.254	0.263	3.65
63)		Azobenzene	1.459	1.385	1.355	1.306	1.216	1.212	1.143	1.297	8.62
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.072	0.087	0.090	0.092	0.093	0.082	18.60
66)	c	n-Nitrosodiphe...	0.672	0.641	0.621	0.595	0.568	0.561	0.533	0.599	8.14
67)		4-Bromophenyl-...	0.230	0.217	0.211	0.202	0.197	0.196	0.189	0.206	6.98
68)		Hexachlorobenzene	0.258	0.245	0.237	0.231	0.217	0.221	0.212	0.232	7.20
69)		Atrazine	0.189	0.175	0.156	0.175	0.135	0.153	0.151	0.162	11.36
70)	C	Pentachlorophenol	0.118	0.137	0.148	0.152	0.145	0.144	0.140	0.141	8.04
71)		Phenanthrene	1.121	1.035	0.994	0.933	0.863	0.860	0.807	0.945	11.79
72)		Anthracene	1.082	1.014	0.972	0.913	0.851	0.833	0.787	0.922	11.53
73)		Carbazole	1.002	0.964	0.923	0.846	0.776	0.772	0.717	0.857	12.64
74)		Di-n-butylphth...	1.104	1.071	1.062	1.014	0.923	0.909	0.850	0.990	9.77
75)	C	Fluoranthene	1.149	1.108	1.036	0.943	0.842	0.835	0.772	0.955	15.34
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.457	0.461	0.293	0.366	0.276	0.203	0.246	0.329	30.86
78)		Pyrene	1.892	1.828	1.900	1.805	1.685	1.649	1.496	1.751	8.43
79)	S	Terphenyl-d14	1.381	1.335	1.340	1.244	1.154	1.121	1.018	1.227	10.96
80)		Butylbenzylpht...	0.490	0.513	0.536	0.555	0.535	0.531	0.514	0.525	3.99
81)		Benzo(a)anthra...	1.425	1.355	1.329	1.331	1.267	1.237	1.169	1.302	6.48
82)		3,3'-Dichlorob...	0.368	0.372	0.390	0.387	0.374	0.382	0.384	0.380	2.15
83)		Chrysene	1.325	1.244	1.234	1.167	1.134	1.151	1.101	1.194	6.52
84)		Bis(2-ethylhex...	0.520	0.539	0.577	0.626	0.620	0.626	0.614	0.589	7.48
85)	c	Di-n-octyl pht...		0.786	0.930	1.135	1.182	1.207	1.186	1.071	16.14

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.209	1.261	1.307	1.352	1.299	1.326	1.253	1.287	3.77
88)		Benzo(b)fluora...	1.317	1.240	1.319	1.196	1.105	1.239	1.111	1.218	7.15
89)		Benzo(k)fluora...	1.213	1.177	0.992	1.066	1.030	0.929	0.947	1.051	10.42
90)	C	Benzo(a)pyrene	1.030	1.024	1.018	1.025	0.974	0.999	0.947	1.002	3.12
91)		Dibenzo(a,h)an...	1.021	1.064	1.103	1.120	1.083	1.085	1.036	1.073	3.31
92)		Benzo(g,h,i)pe...	1.030	1.046	1.090	1.128	1.081	1.095	1.035	1.072	3.37

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 15:30

Lab File ID: BF139965.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.476	1.438		-2.6	
2-Fluorophenol	1.278	1.233		-3.5	
Phenol-d6	1.655	1.579		-4.6	
1,4-Dichlorobenzene	1.498	1.484		-0.9	20.0
2-Methylphenol	1.114	1.099		-1.3	
3+4-Methylphenols	1.424	1.388		-2.5	
Nitrobenzene-d5	0.361	0.370		2.5	
Hexachloroethane	0.534	0.530		-0.7	
Nitrobenzene	0.396	0.391		-1.3	
Hexachlorobutadiene	0.197	0.199		1.0	20.0
2,4,6-Trichlorophenol	0.382	0.381		-0.3	20.0
2-Fluorobiphenyl	1.210	1.169		-3.4	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
2,4-Dinitrotoluene	0.332	0.379		14.2	
2,4,6-Tribromophenol	0.187	0.204		9.1	
Hexachlorobenzene	0.232	0.234		0.9	
Pentachlorophenol	0.141	0.157		11.3	20.0
Terphenyl-d14	1.227	1.227		0.0	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 09:55

Lab File ID: BF139990.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.476	1.374		-6.9	
2-Fluorophenol	1.278	1.208		-5.5	
Phenol-d6	1.655	1.504		-9.1	
1,4-Dichlorobenzene	1.498	1.458		-2.7	20.0
2-Methylphenol	1.114	1.030		-7.5	
3+4-Methylphenols	1.424	1.299		-8.8	
Nitrobenzene-d5	0.361	0.374		3.6	
Hexachloroethane	0.534	0.521		-2.4	
Nitrobenzene	0.396	0.392		-1.0	
Hexachlorobutadiene	0.197	0.202		2.5	20.0
2,4,6-Trichlorophenol	0.382	0.403		5.5	20.0
2-Fluorobiphenyl	1.210	1.183		-2.2	
2,4,5-Trichlorophenol	0.394	0.395		0.3	
2,4-Dinitrotoluene	0.332	0.371		11.7	
2,4,6-Tribromophenol	0.187	0.205		9.6	
Hexachlorobenzene	0.232	0.240		3.4	
Pentachlorophenol	0.141	0.164		16.3	20.0
Terphenyl-d14	1.227	1.286		4.8	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 15:16

Lab File ID: BF140001.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.476	1.408		-4.6	
2-Fluorophenol	1.278	1.208		-5.5	
Phenol-d6	1.655	1.521		-8.1	
1,4-Dichlorobenzene	1.498	1.466		-2.1	20.0
2-Methylphenol	1.114	1.047		-6.0	
3+4-Methylphenols	1.424	1.322		-7.2	
Nitrobenzene-d5	0.361	0.374		3.6	
Hexachloroethane	0.534	0.526		-1.5	
Nitrobenzene	0.396	0.397		0.3	
Hexachlorobutadiene	0.197	0.203		3.0	20.0
2,4,6-Trichlorophenol	0.382	0.387		1.3	20.0
2-Fluorobiphenyl	1.210	1.197		-1.1	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
2,4-Dinitrotoluene	0.332	0.371		11.7	
2,4,6-Tribromophenol	0.187	0.207		10.7	
Hexachlorobenzene	0.232	0.242		4.3	
Pentachlorophenol	0.141	0.159		12.8	20.0
Terphenyl-d14	1.227	1.306		6.4	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/26/2024 10:38

Lab File ID: BF140050.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.476	1.426		-3.4	
2-Fluorophenol	1.278	1.220		-4.5	
Phenol-d6	1.655	1.531		-7.5	
1,4-Dichlorobenzene	1.498	1.482		-1.1	20.0
2-Methylphenol	1.114	1.029		-7.6	
3+4-Methylphenols	1.424	1.308		-8.1	
Nitrobenzene-d5	0.361	0.380		5.3	
Hexachloroethane	0.534	0.520		-2.6	
Nitrobenzene	0.396	0.399		0.8	
Hexachlorobutadiene	0.197	0.204		3.6	20.0
2,4,6-Trichlorophenol	0.382	0.374		-2.1	20.0
2-Fluorobiphenyl	1.210	1.211		0.1	
2,4,5-Trichlorophenol	0.394	0.414		5.1	
2,4-Dinitrotoluene	0.332	0.383		15.4	
2,4,6-Tribromophenol	0.187	0.204		9.1	
Hexachlorobenzene	0.232	0.233		0.4	
Pentachlorophenol	0.141	0.152		7.8	20.0
Terphenyl-d14	1.227	1.258		2.5	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140062.D
Acq On : 26 Oct 2024 16:20
Operator : RC/JU
Sample : P4460-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Time: Oct 28 01:08:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

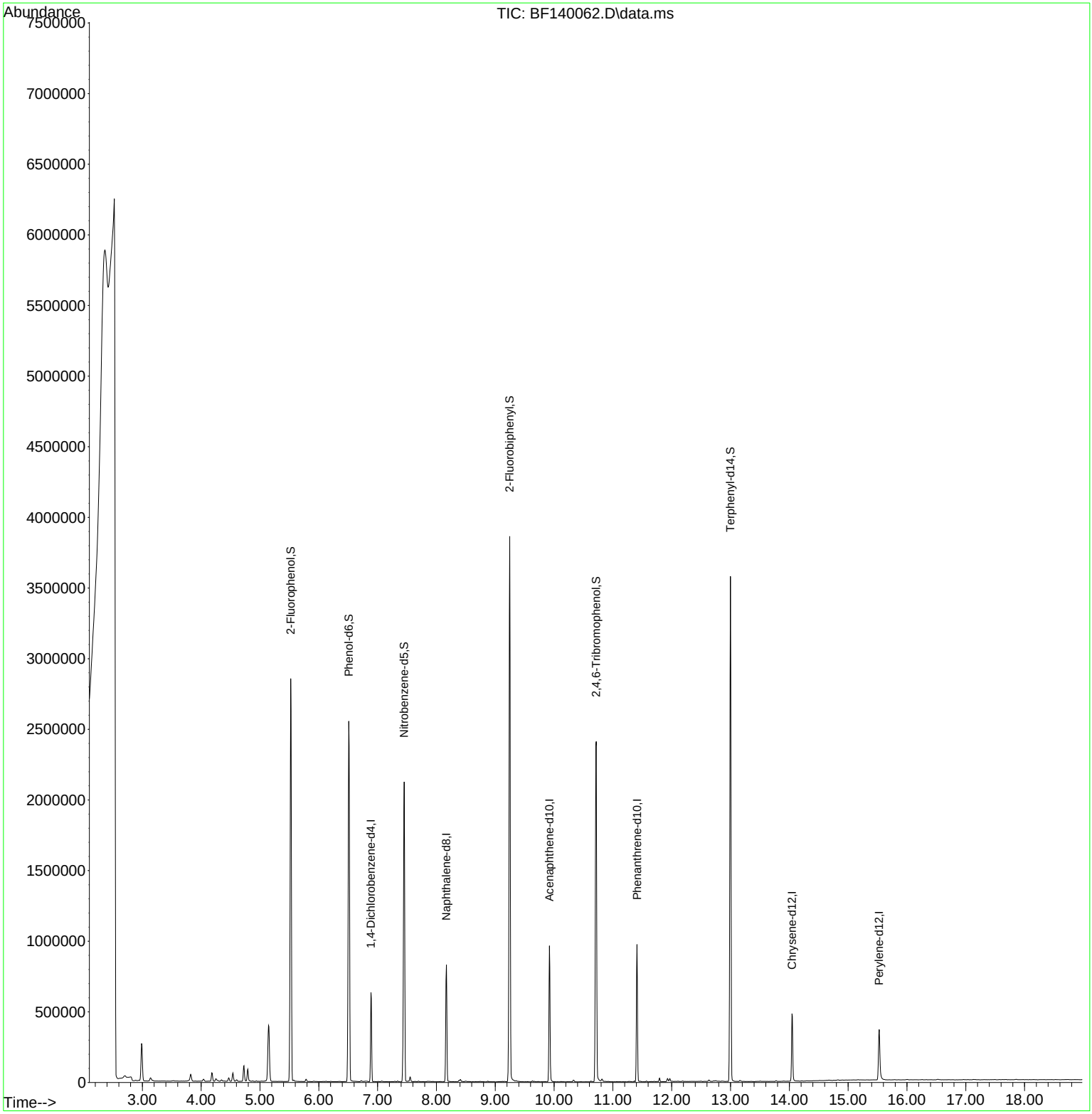
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	131530	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	508830	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	288932	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	511533	20.000	ng	0.00
76) Chrysene-d12	14.045	240	241710	20.000	ng	0.00
86) Perylene-d12	15.527	264	244924	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1145583	136.349	ng	0.02
7) Phenol-d6	6.510	99	1350672	124.123	ng	0.00
23) Nitrobenzene-d5	7.451	82	1048712	114.230	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	481734	178.250	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1846633	105.628	ng	0.00
79) Terphenyl-d14	12.998	244	1875650	126.446	ng	0.00
Target Compounds						Qvalue

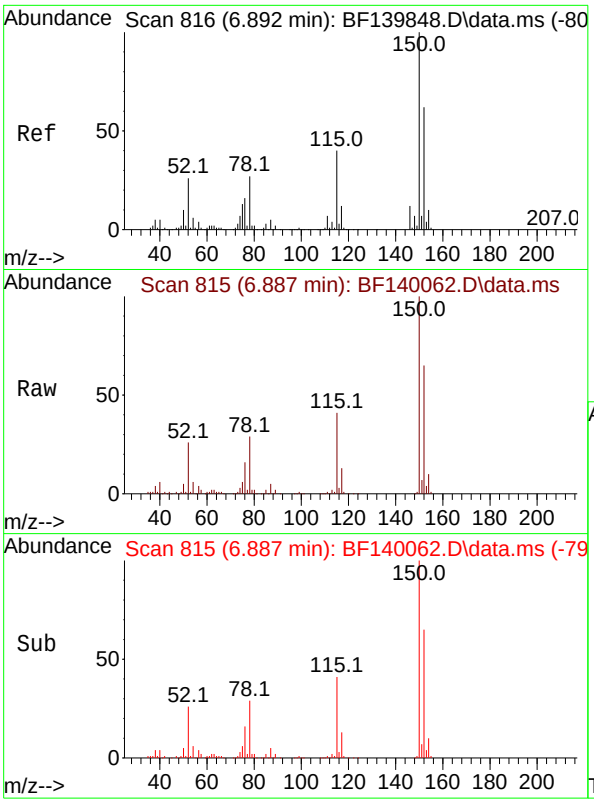
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
Data File : BF140062.D
Acq On : 26 Oct 2024 16:20
Operator : RC/JU
Sample : P4460-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Quant Time: Oct 28 01:08:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



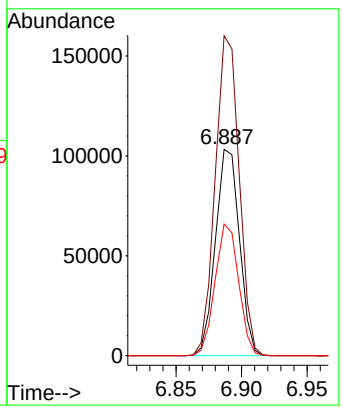


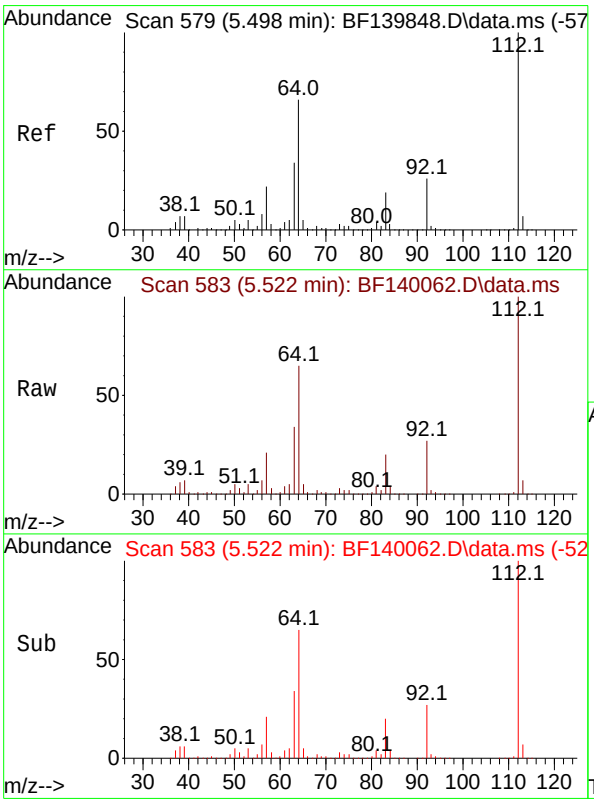
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF140062.D
Acq: 26 Oct 2024 16:20

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:152 Resp: 131530

Ion	Ratio	Lower	Upper
152	100		
150	155.0	130.2	195.2
115	63.8	51.4	77.2

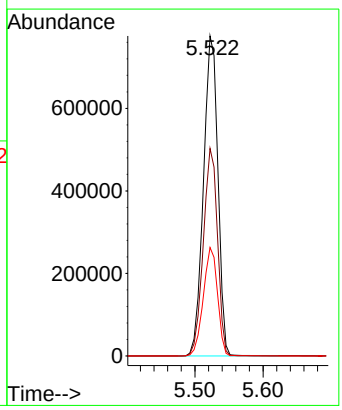


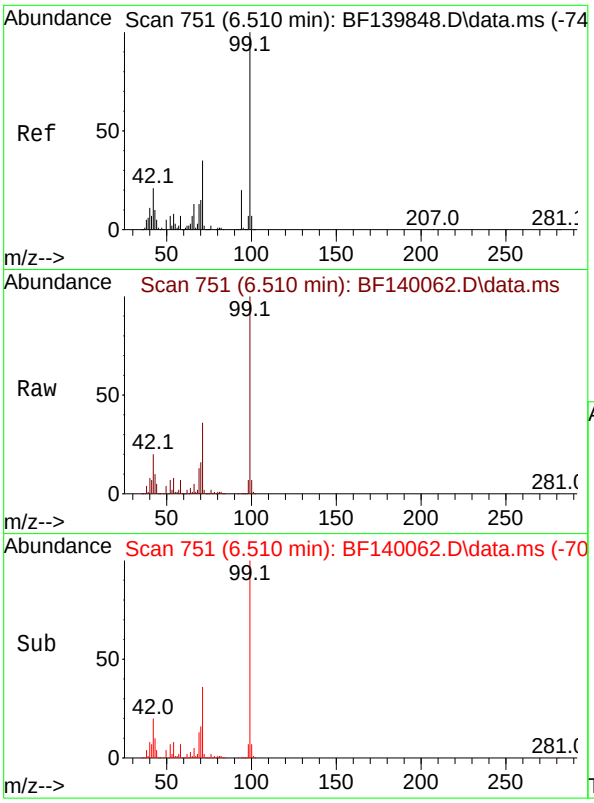


#5
2-Fluorophenol
Concen: 136.349 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.024 min
Lab File: BF140062.D
Acq: 26 Oct 2024 16:20

Tgt Ion:112 Resp: 1145583

Ion	Ratio	Lower	Upper
112	100		
64	64.9	53.0	79.6
63	33.9	27.0	40.4



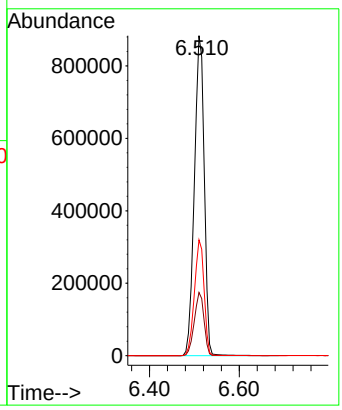


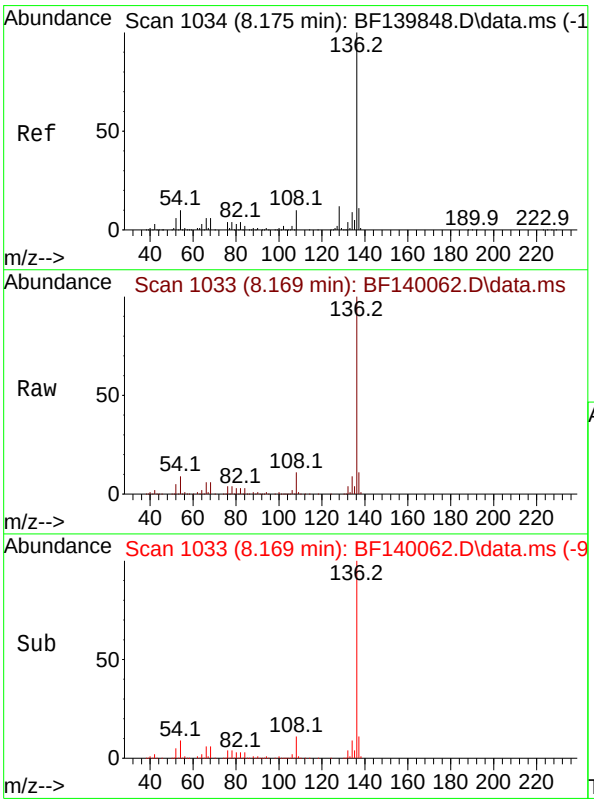
#7
Phenol-d6
Concen: 124.123 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140062.D
Acq: 26 Oct 2024 16:20

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion: 99 Resp: 1350672

Ion	Ratio	Lower	Upper
99	100		
42	19.7	16.7	25.1
71	36.2	27.7	41.5

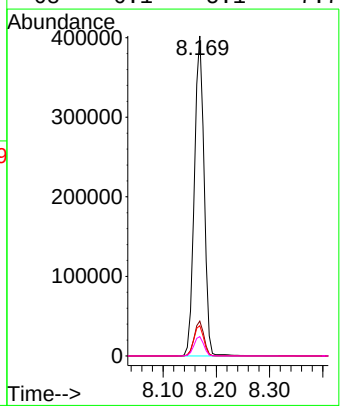


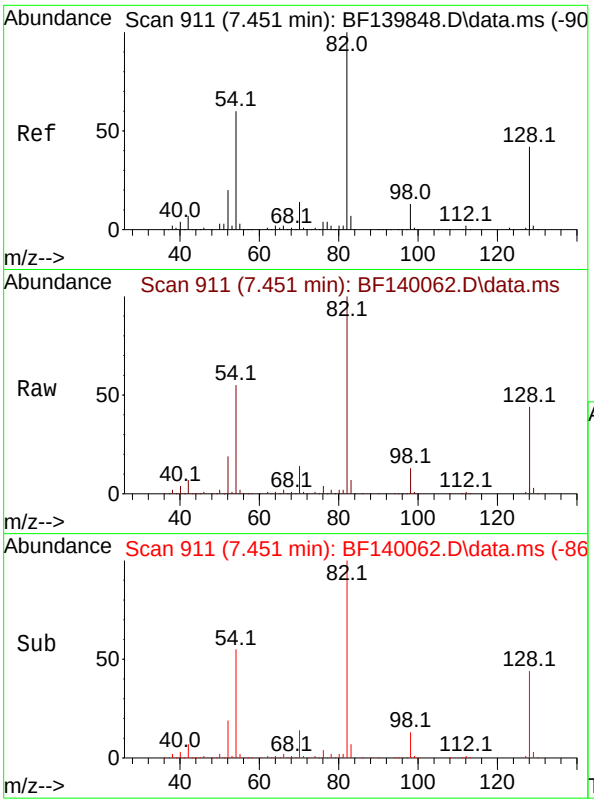


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140062.D
Acq: 26 Oct 2024 16:20

Tgt Ion:136 Resp: 508830

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.5	8.4	12.6
68	6.1	5.1	7.7



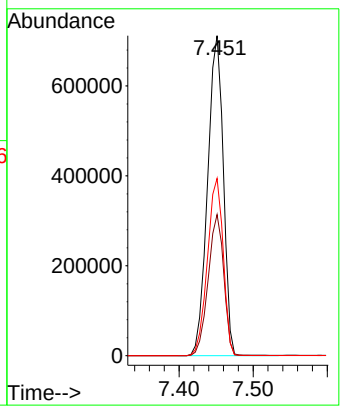


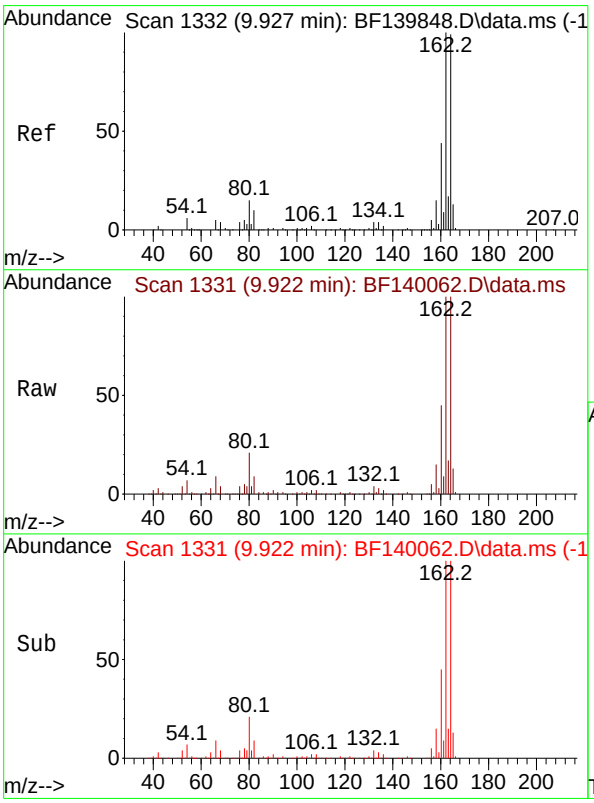
#23
Nitrobenzene-d5
Concen: 114.230 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF140062.D
Acq: 26 Oct 2024 16:20

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion: 82 Resp: 1048712

Ion	Ratio	Lower	Upper
82	100		
128	44.1	33.4	50.0
54	55.4	47.8	71.8

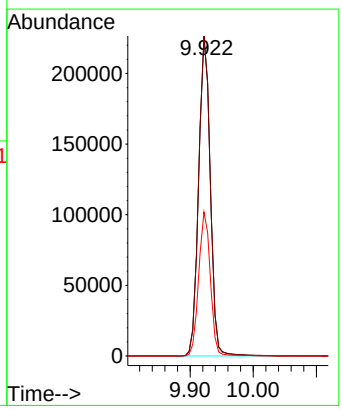


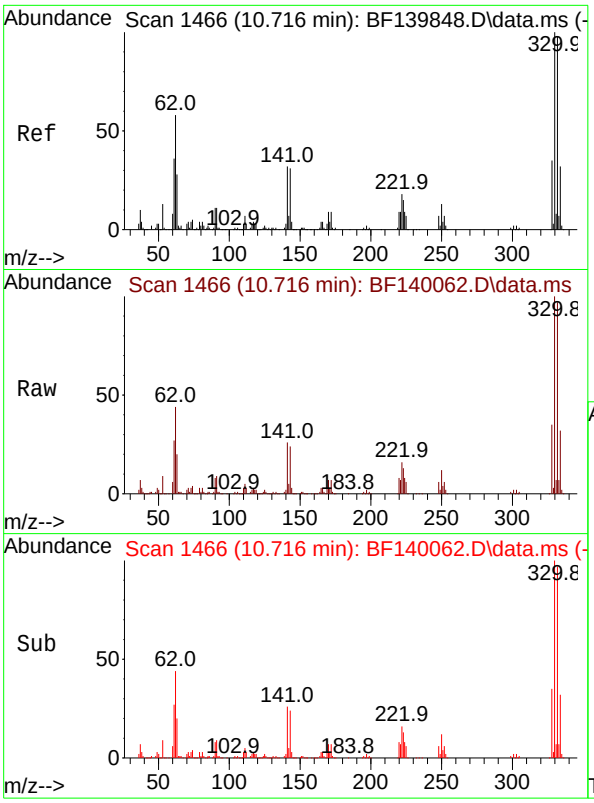


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140062.D
Acq: 26 Oct 2024 16:20

Tgt Ion:164 Resp: 288932

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.0	121.4
160	45.1	35.4	53.0



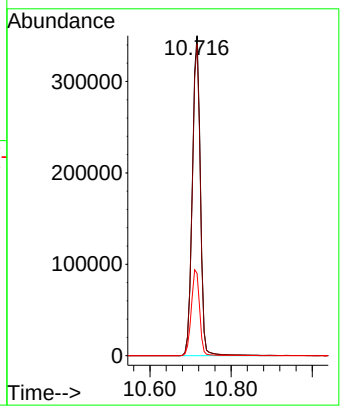


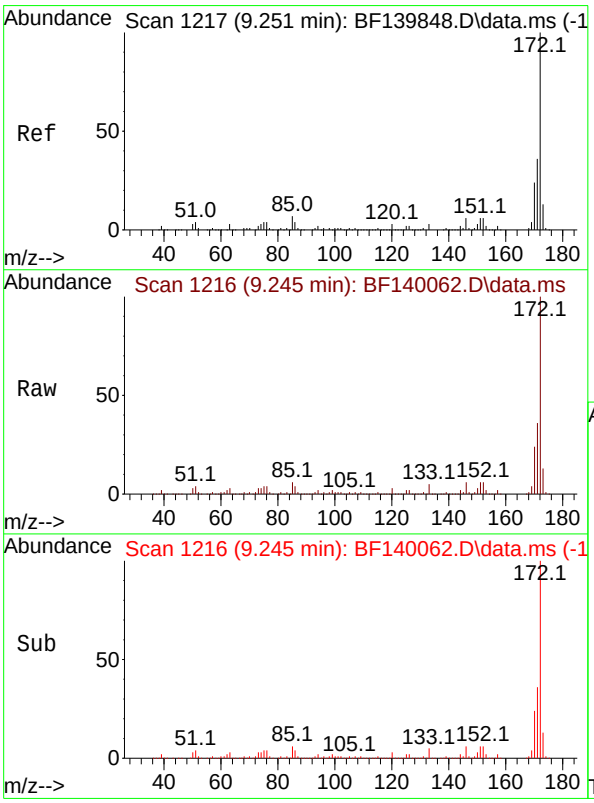
#42
2,4,6-Tribromophenol
Concen: 178.250 ng
RT: 10.716 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140062.D
Acq: 26 Oct 2024 16:20

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:330 Resp: 481734

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.1	117.1
141	27.8	26.6	39.8

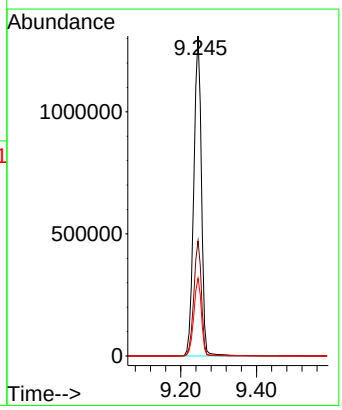


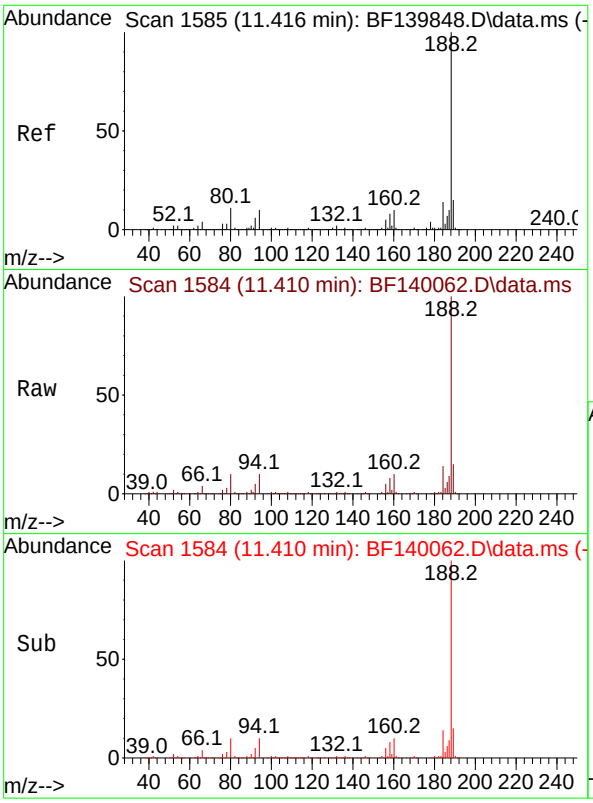


#45
2-Fluorobiphenyl
Concen: 105.628 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140062.D
Acq: 26 Oct 2024 16:20

Tgt Ion:172 Resp: 1846633

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.3	19.1	28.7



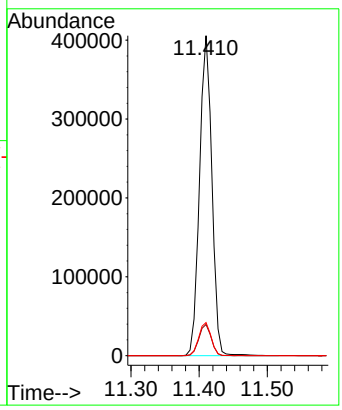


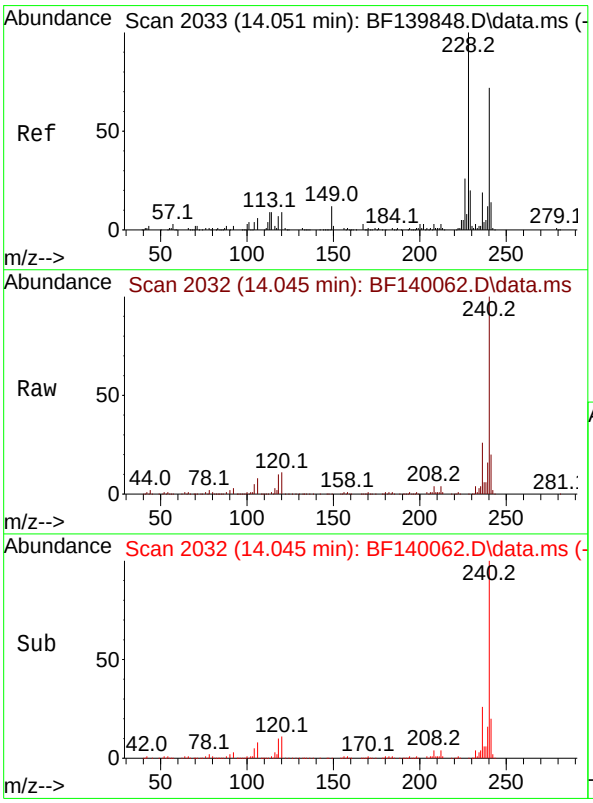
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140062.D
Acq: 26 Oct 2024 16:20

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:188 Resp: 511533

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.9	11.9
80	10.4	9.0	13.4

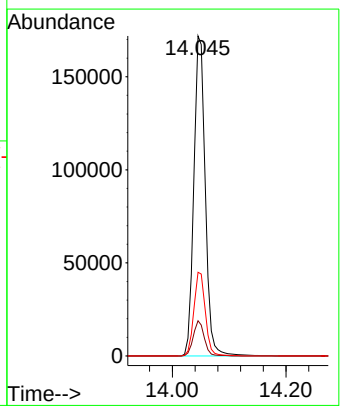


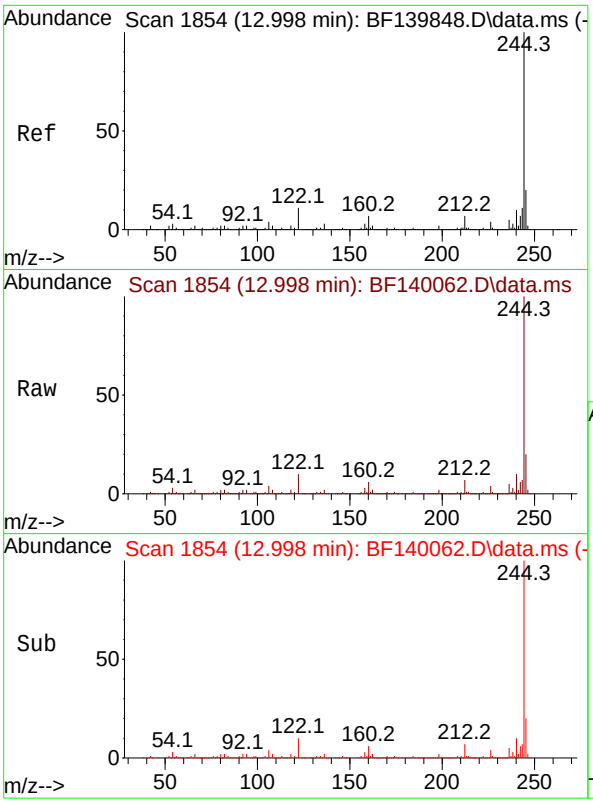


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140062.D
Acq: 26 Oct 2024 16:20

Tgt Ion:240 Resp: 241710

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.4	14.2
236	26.1	20.9	31.3



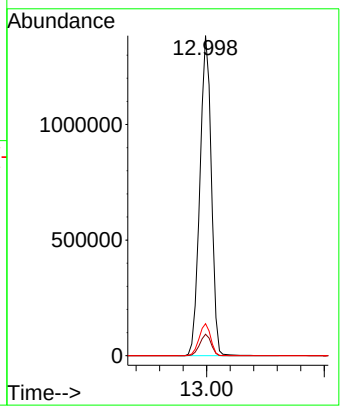


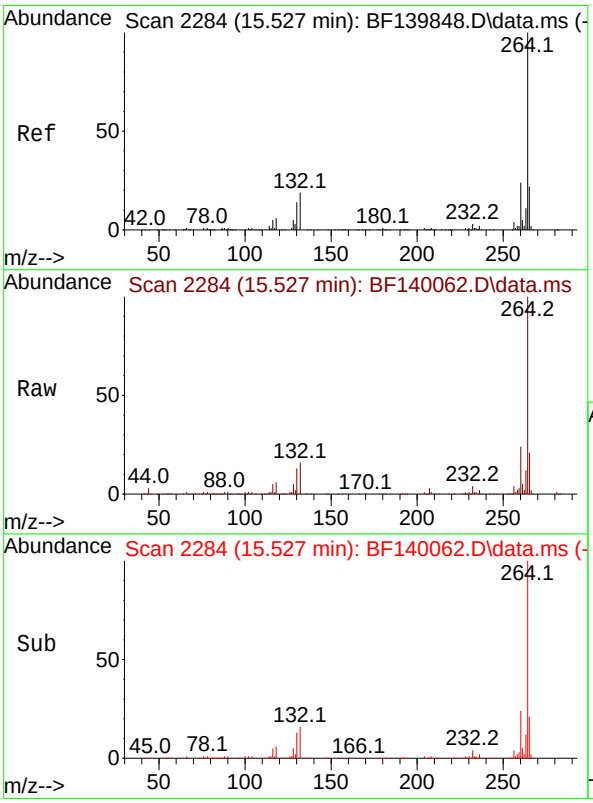
#79
Terphenyl-d14
Concen: 126.446 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140062.D
Acq: 26 Oct 2024 16:20

Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:244 Resp: 1875650

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	10.0	8.6	13.0

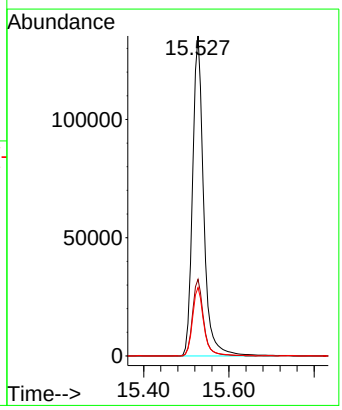




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF140062.D
Acq: 26 Oct 2024 16:20

Tgt Ion:264 Resp: 244924

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.4	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140002.D
Acq On : 24 Oct 2024 15:44
Operator : RC/JU
Sample : PB164261TB
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164261TB

Quant Time: Oct 24 16:17:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

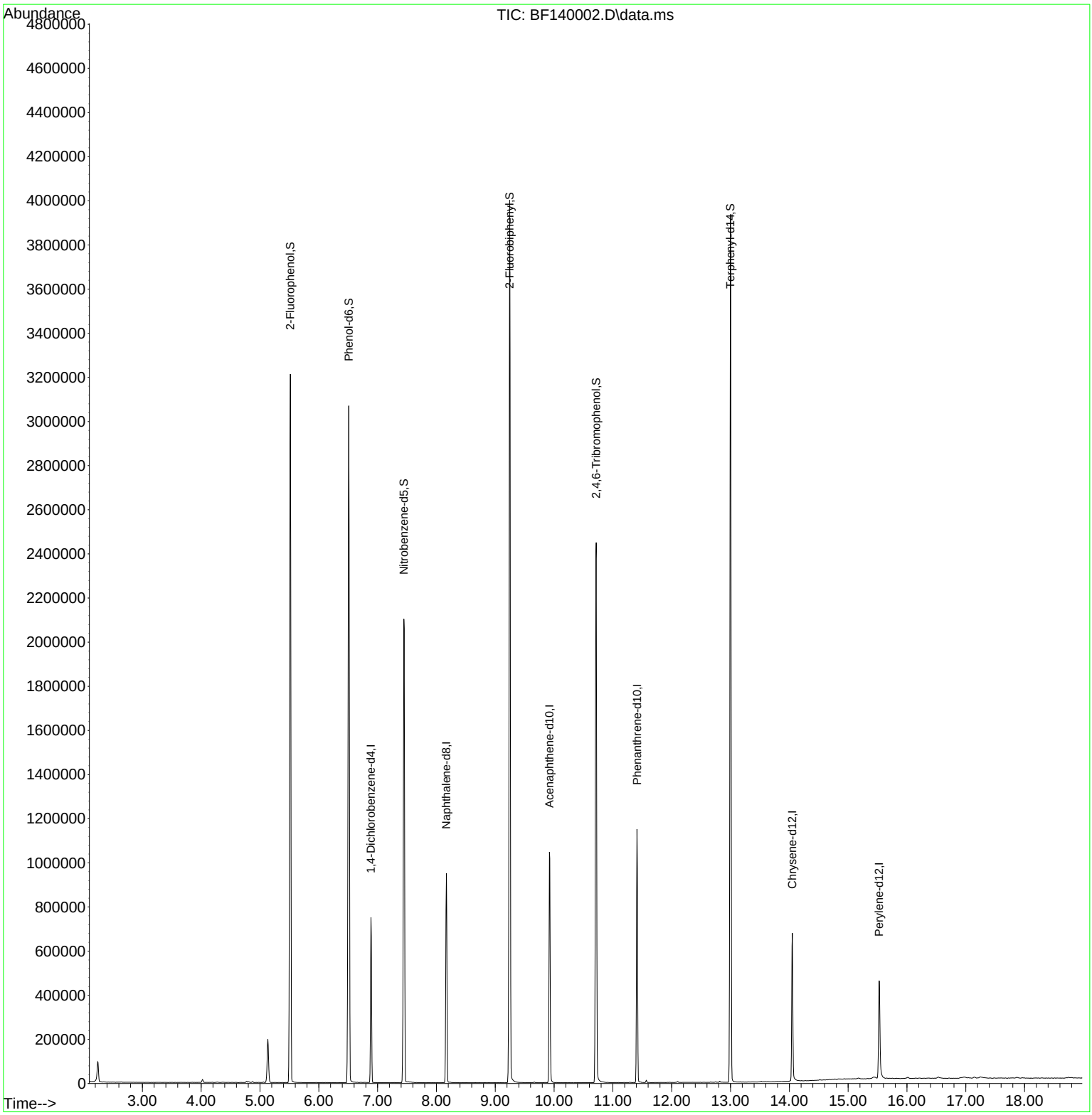
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	152409	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	588451	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	328828	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	603559	20.000	ng	0.00
76) Chrysene-d12	14.051	240	330965	20.000	ng	0.00
86) Perylene-d12	15.527	264	294008	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1290384	132.543	ng	0.02
7) Phenol-d6	6.510	99	1614638	128.053	ng	0.00
23) Nitrobenzene-d5	7.445	82	1042581	98.196	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	482295	156.805	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1901605	95.575	ng	0.00
79) Terphenyl-d14	12.998	244	2051645	101.011	ng	0.00
Target Compounds						Qvalue

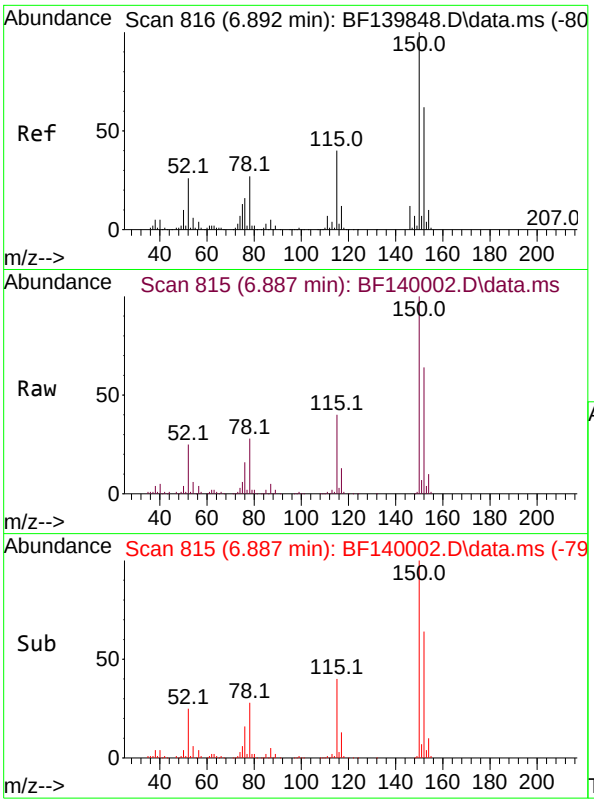
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF140002.D
Acq On : 24 Oct 2024 15:44
Operator : RC/JU
Sample : PB164261TB
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164261TB

Quant Time: Oct 24 16:17:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



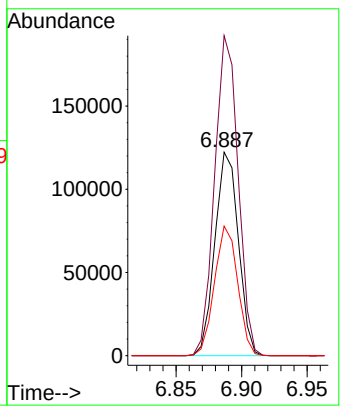


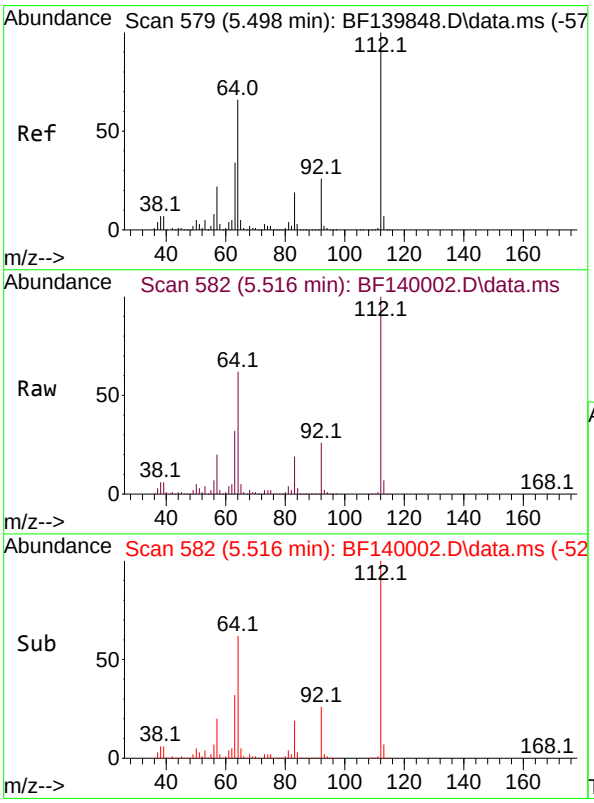
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF140002.D
Acq: 24 Oct 2024 15:44

Instrument :
BNA_F
ClientSampleId :
PB164261TB

Tgt Ion:152 Resp: 152409

Ion	Ratio	Lower	Upper
152	100		
150	157.3	130.2	195.2
115	63.7	51.4	77.2

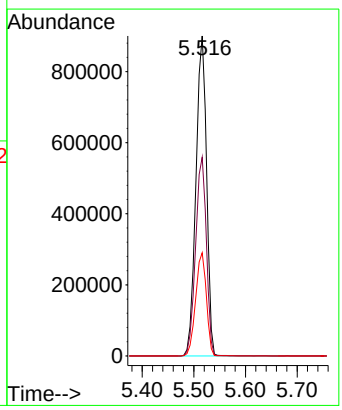


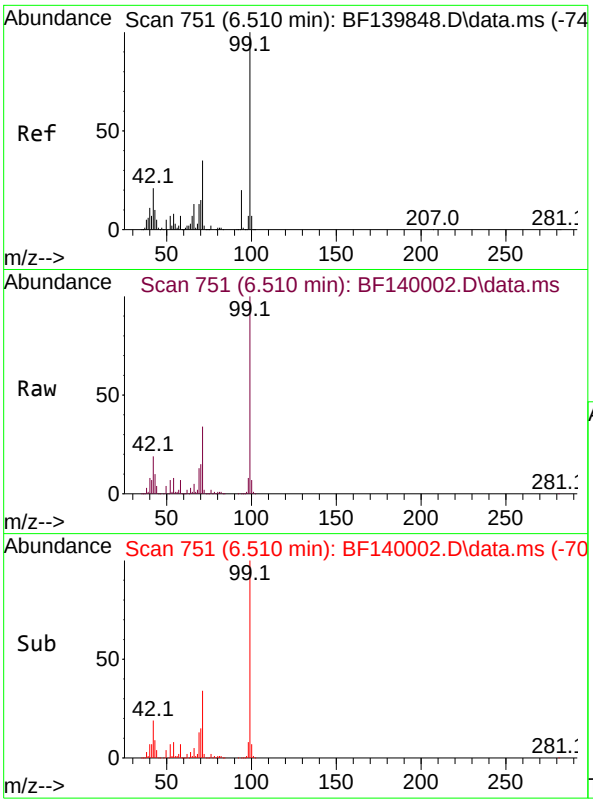


#5
2-Fluorophenol
Concen: 132.543 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140002.D
Acq: 24 Oct 2024 15:44

Tgt Ion:112 Resp: 1290384

Ion	Ratio	Lower	Upper
112	100		
64	62.1	53.0	79.6
63	32.2	27.0	40.4



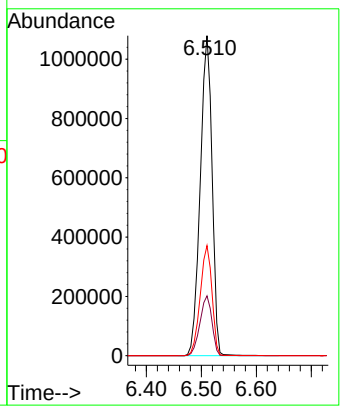


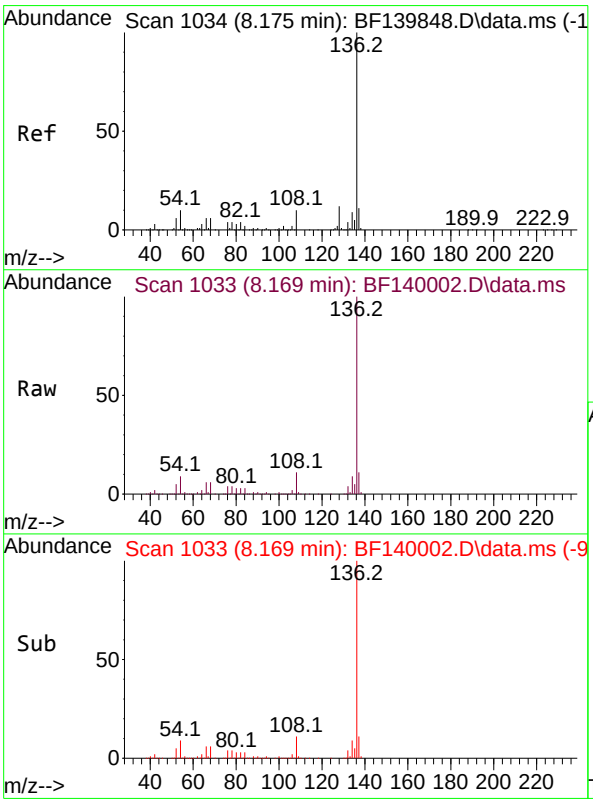
#7
Phenol-d6
Concen: 128.053 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140002.D
Acq: 24 Oct 2024 15:44

Instrument :
BNA_F
ClientSampleId :
PB164261TB

Tgt Ion: 99 Resp: 1614638

Ion	Ratio	Lower	Upper
99	100		
42	18.7	16.7	25.1
71	34.4	27.7	41.5

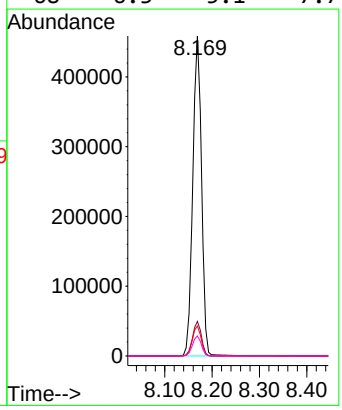


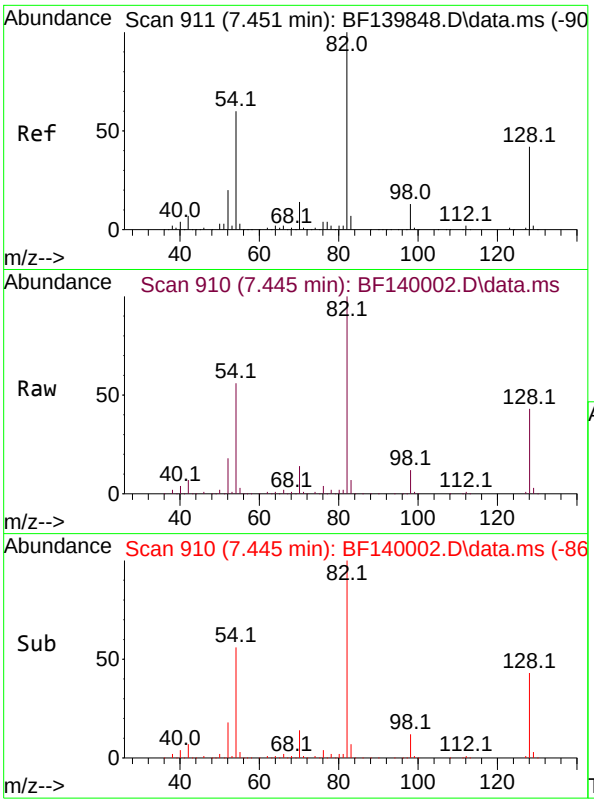


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140002.D
Acq: 24 Oct 2024 15:44

Tgt Ion:136 Resp: 588451

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	9.4	8.4	12.6
68	6.3	5.1	7.7



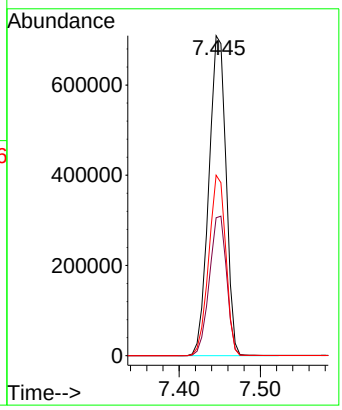


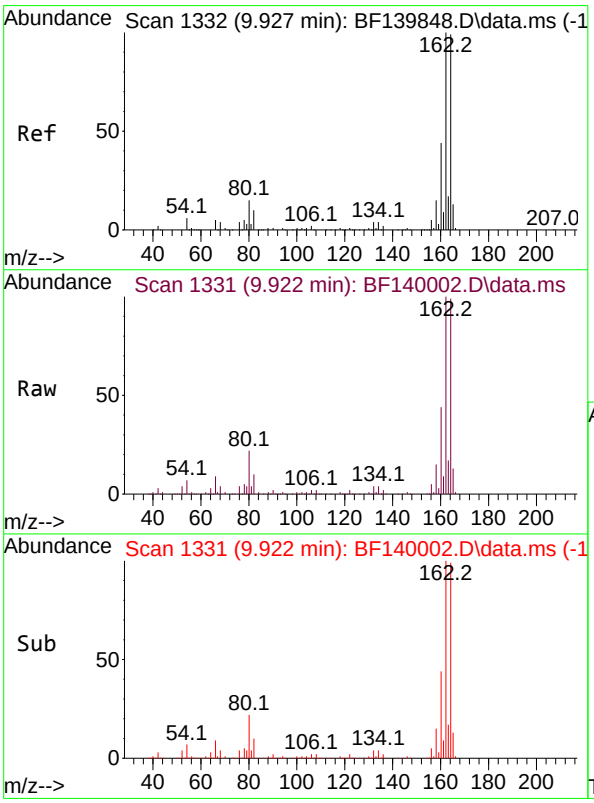
#23
Nitrobenzene-d5
Concen: 98.196 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF140002.D
Acq: 24 Oct 2024 15:44

Instrument :
BNA_F
ClientSampleId :
PB164261TB

Tgt Ion: 82 Resp: 1042581

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.4	50.0
54	56.4	47.8	71.8

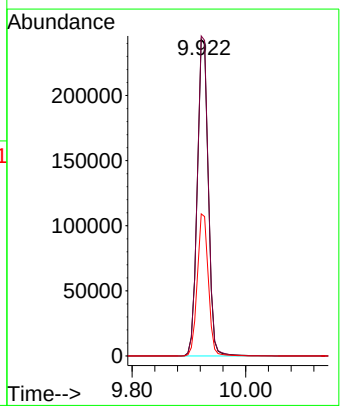


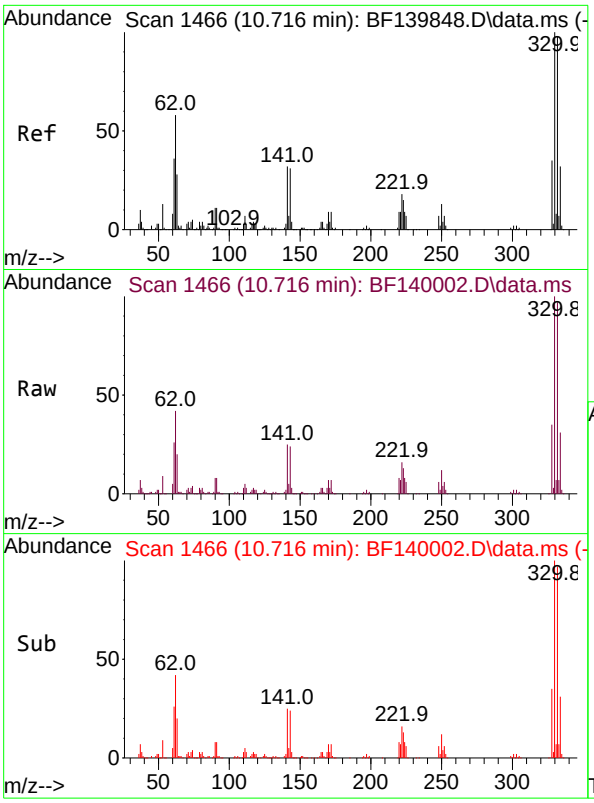


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140002.D
Acq: 24 Oct 2024 15:44

Tgt Ion:164 Resp: 328828

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.0	121.4
160	44.9	35.4	53.0



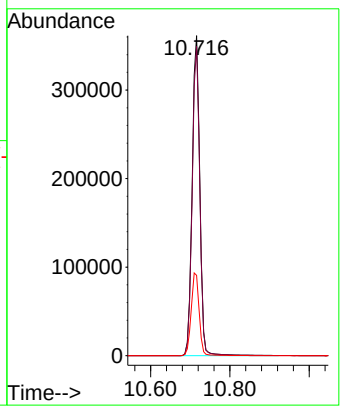


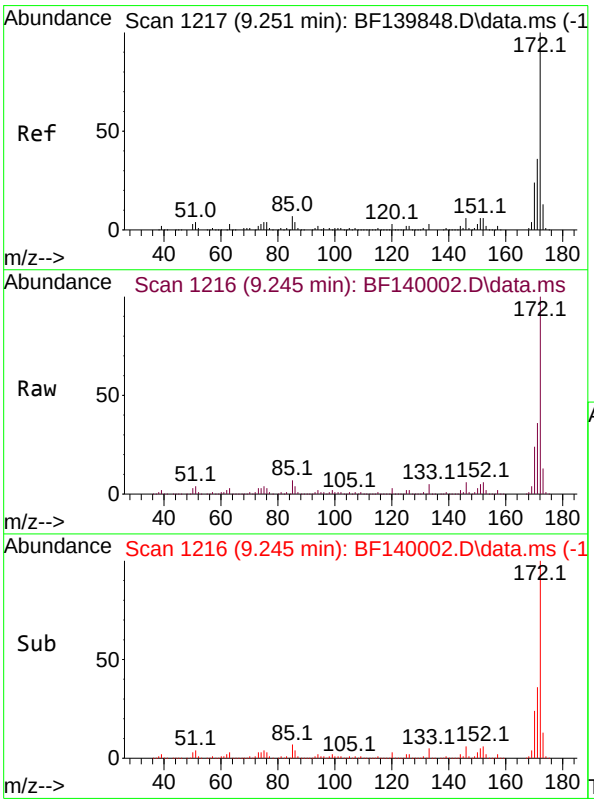
#42
2,4,6-Tribromophenol
Concen: 156.805 ng
RT: 10.716 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140002.D
Acq: 24 Oct 2024 15:44

Instrument :
BNA_F
ClientSampleId :
PB164261TB

Tgt Ion:330 Resp: 482295

Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.1	117.1
141	27.1	26.6	39.8

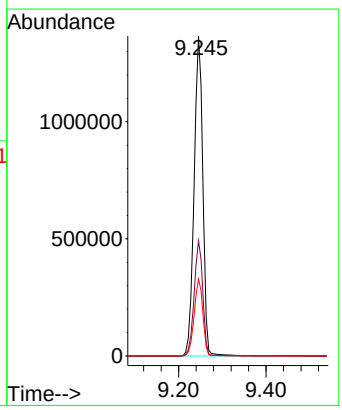


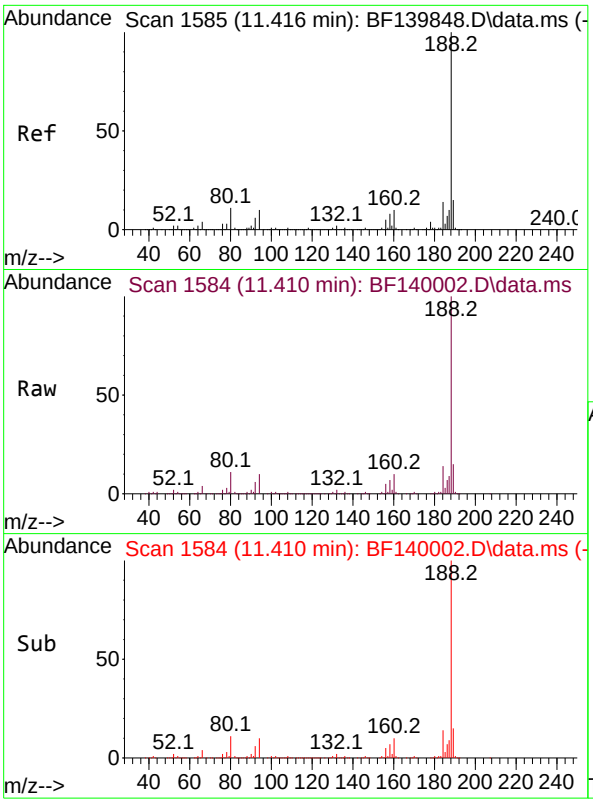


#45
2-Fluorobiphenyl
Concen: 95.575 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140002.D
Acq: 24 Oct 2024 15:44

Tgt Ion:172 Resp: 1901605

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.1	19.1	28.7



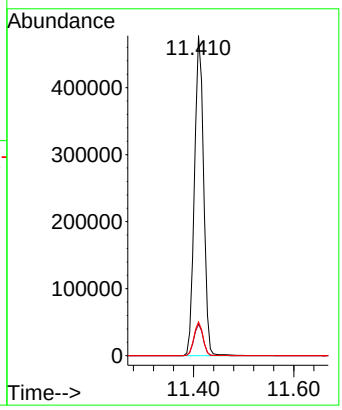


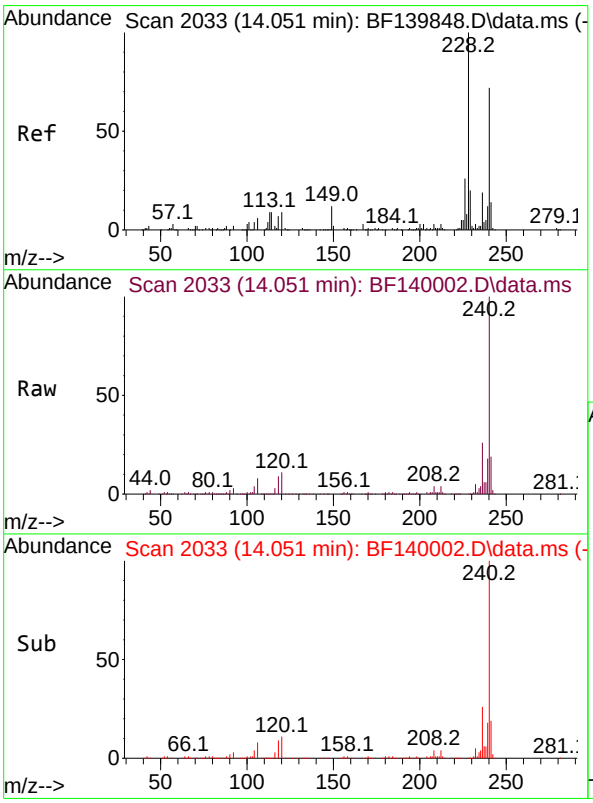
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140002.D
Acq: 24 Oct 2024 15:44

Instrument :
BNA_F
ClientSampleId :
PB164261TB

Tgt Ion:188 Resp: 603559

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.9	11.9
80	10.6	9.0	13.4

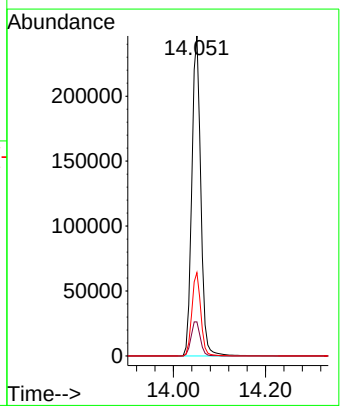


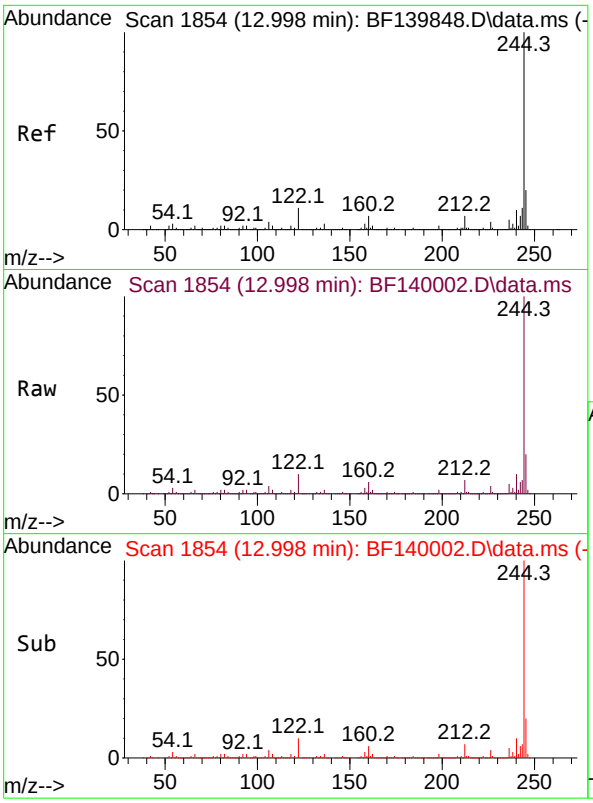


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140002.D
Acq: 24 Oct 2024 15:44

Tgt Ion:240 Resp: 330965

Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.4	14.2
236	26.0	20.9	31.3



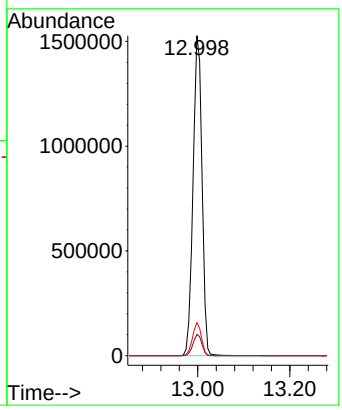


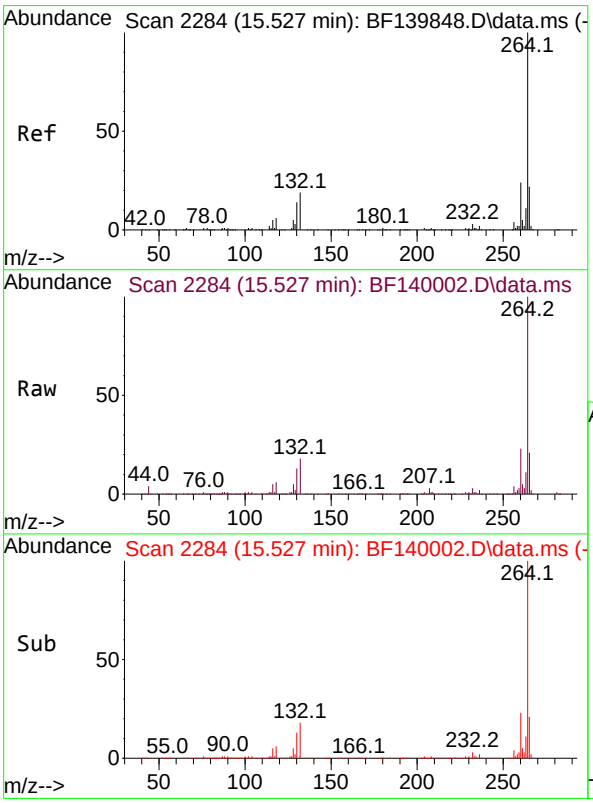
#79
Terphenyl-d14
Concen: 101.011 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140002.D
Acq: 24 Oct 2024 15:44

Instrument :
BNA_F
ClientSampleId :
PB164261TB

Tgt Ion:244 Resp: 2051645

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	10.3	8.6	13.0

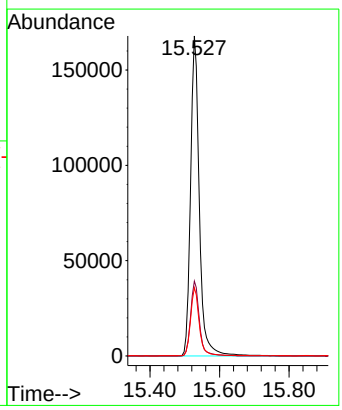




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF140002.D
Acq: 24 Oct 2024 15:44

Tgt Ion:264 Resp: 294008

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	21.3	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139993.D
Acq On : 24 Oct 2024 11:20
Operator : RC/JU
Sample : PB164315BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Quant Time: Oct 24 11:52:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

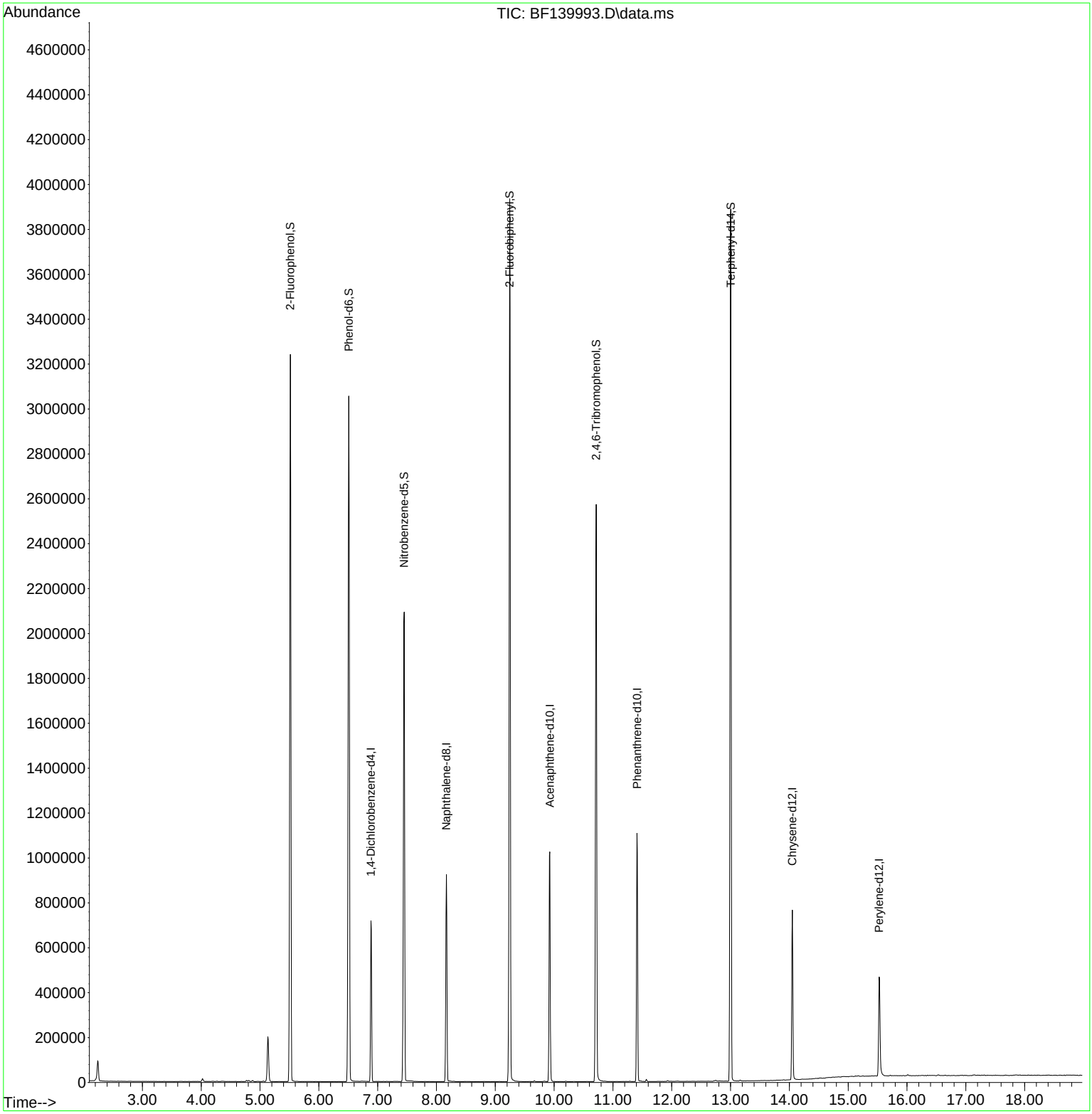
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	148560	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	574491	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	327603	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	592376	20.000	ng	0.00
76) Chrysene-d12	14.051	240	363554	20.000	ng	0.00
86) Perylene-d12	15.527	264	290384	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1274979	134.354	ng	0.02
7) Phenol-d6	6.510	99	1593884	129.682	ng	0.00
23) Nitrobenzene-d5	7.451	82	1033088	99.666	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	494475	161.367	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1880319	94.859	ng	0.00
79) Terphenyl-d14	13.004	244	2127175	95.342	ng	0.00
Target Compounds						Qvalue

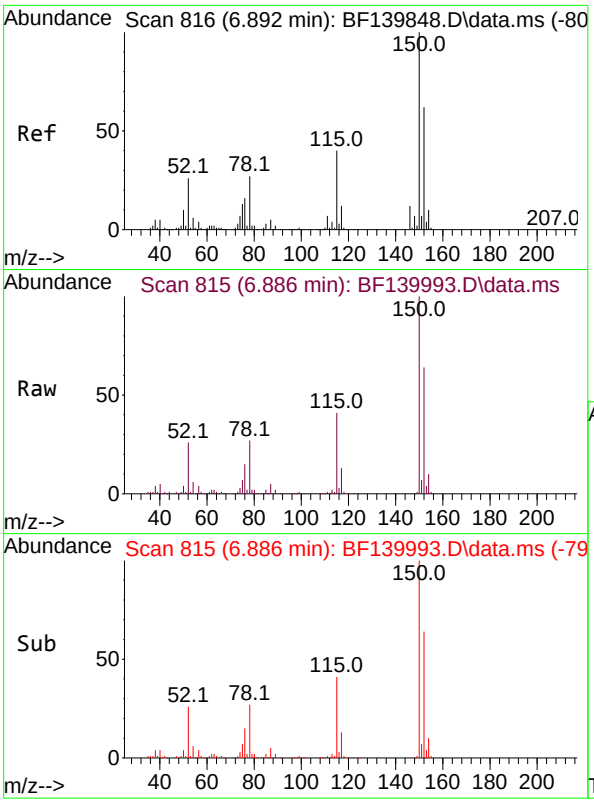
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139993.D
Acq On : 24 Oct 2024 11:20
Operator : RC/JU
Sample : PB164315BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Quant Time: Oct 24 11:52:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



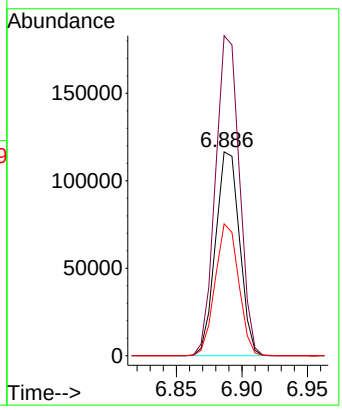


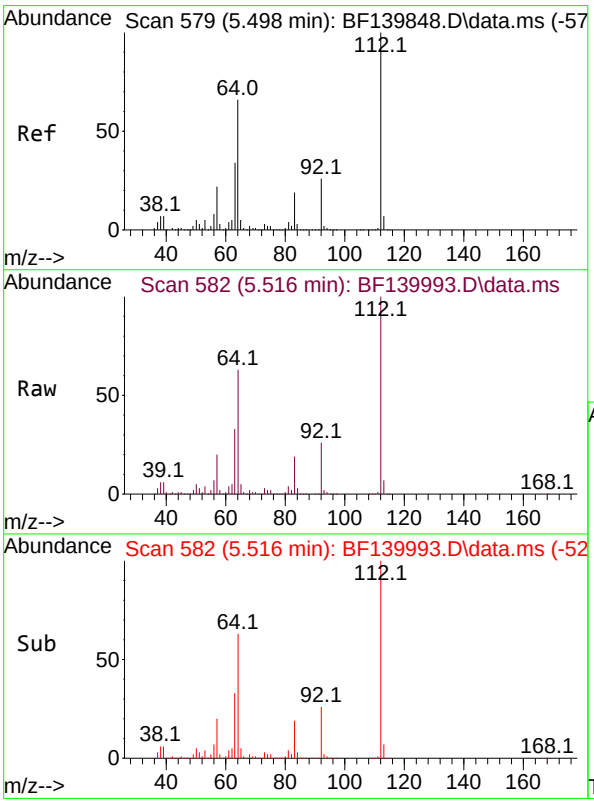
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Tgt Ion:152 Resp: 148560

Ion	Ratio	Lower	Upper
152	100		
150	156.9	130.2	195.2
115	64.6	51.4	77.2

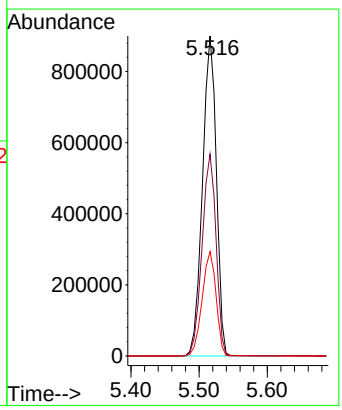


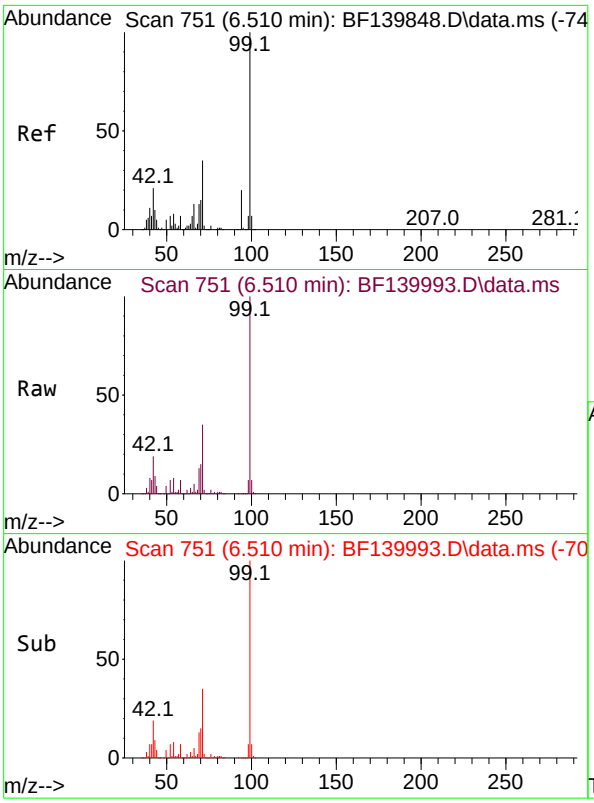


#5
2-Fluorophenol
Concen: 134.354 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Tgt Ion:112 Resp: 1274979

Ion	Ratio	Lower	Upper
112	100		
64	63.0	53.0	79.6
63	32.6	27.0	40.4



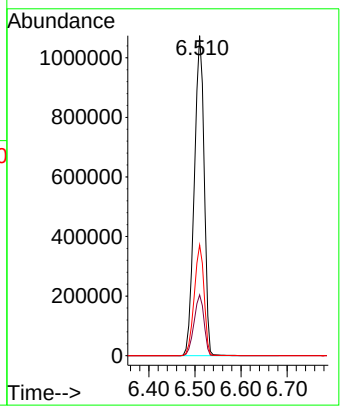


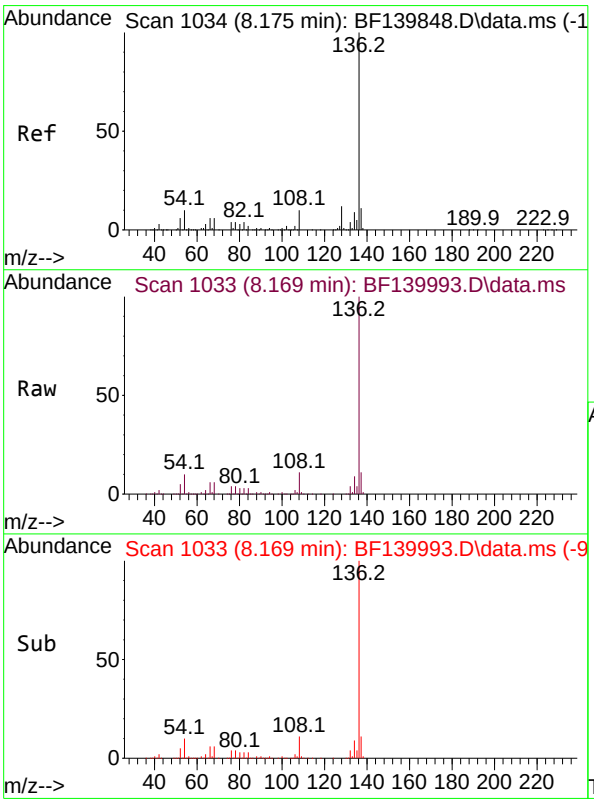
#7
Phenol-d6
Concen: 129.682 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Tgt Ion: 99 Resp: 1593884

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.7	25.1
71	34.6	27.7	41.5

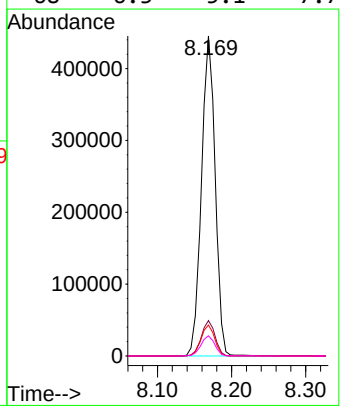


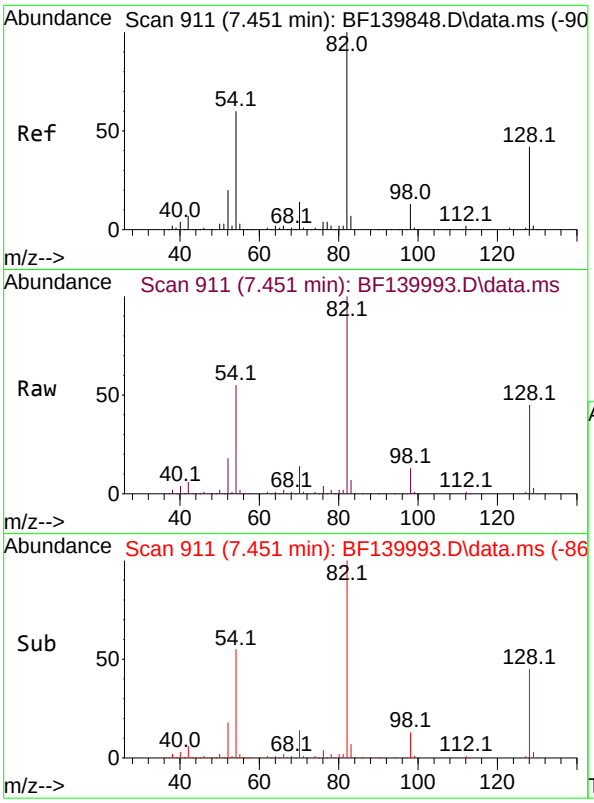


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Tgt Ion:136 Resp: 574491

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	9.7	8.4	12.6
68	6.3	5.1	7.7



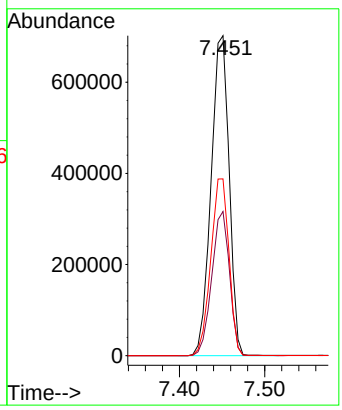


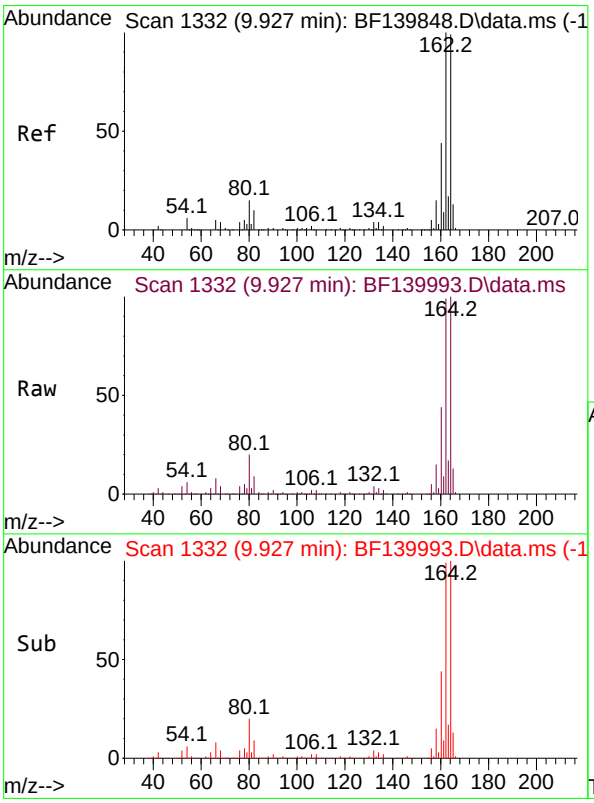
#23
Nitrobenzene-d5
Concen: 99.666 ng
RT: 7.451 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Tgt Ion: 82 Resp: 1033088

Ion	Ratio	Lower	Upper
82	100		
128	45.0	33.4	50.0
54	55.3	47.8	71.8

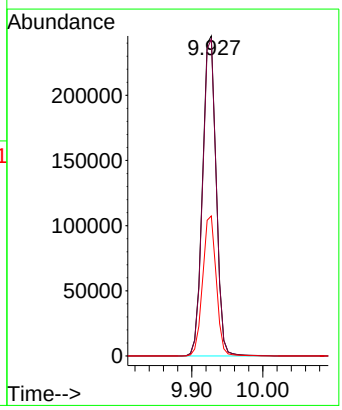


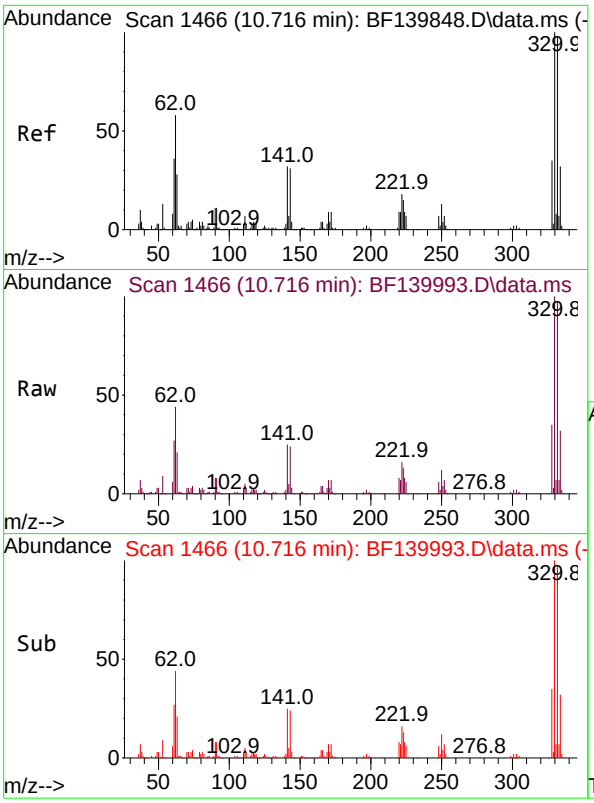


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Tgt Ion:164 Resp: 327603

Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.0	121.4
160	43.7	35.4	53.0



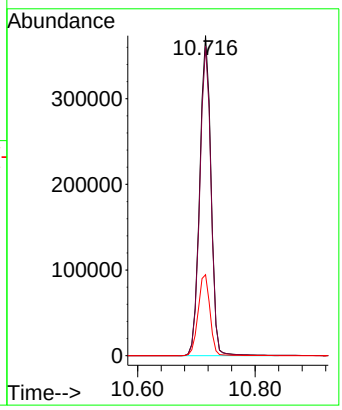


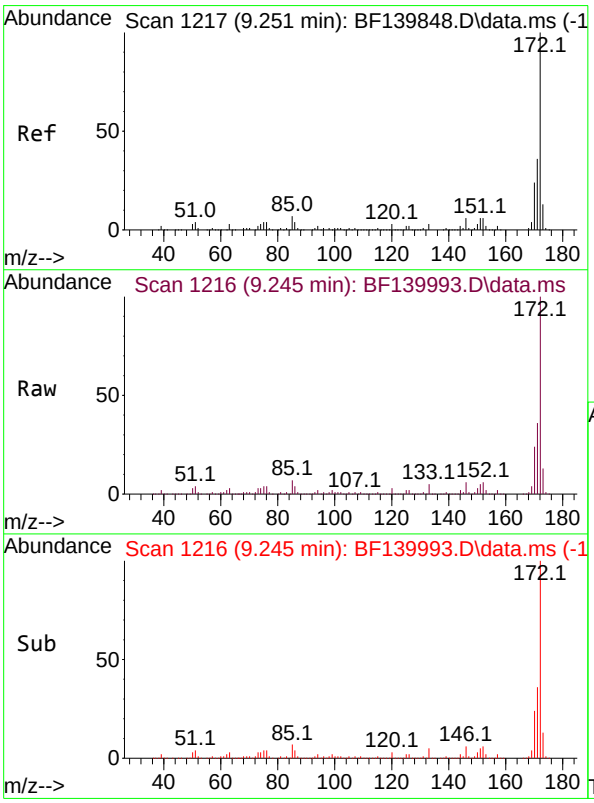
#42
2,4,6-Tribromophenol
Concen: 161.367 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Tgt Ion:330 Resp: 494475

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.1	117.1
141	26.7	26.6	39.8

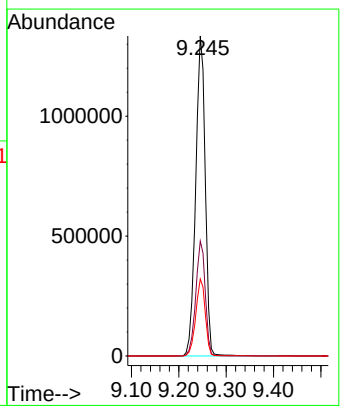


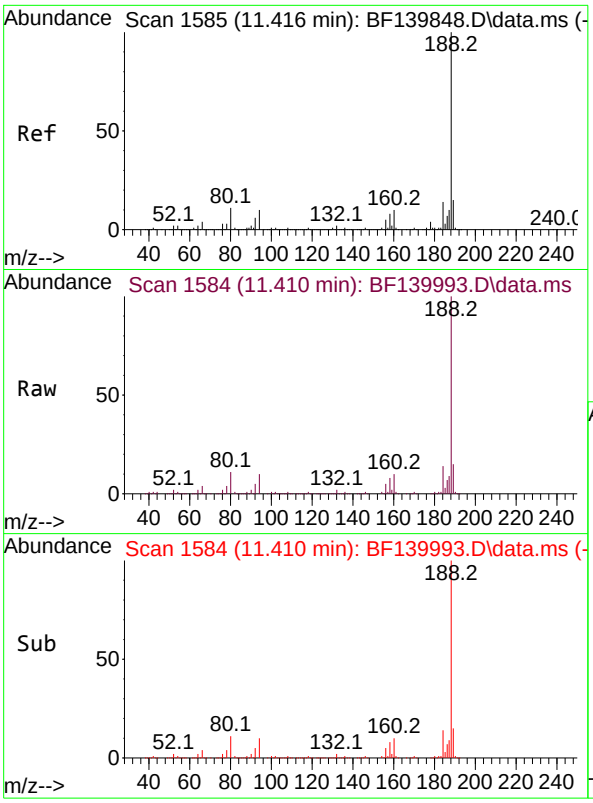


#45
2-Fluorobiphenyl
Concen: 94.859 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Tgt Ion:172 Resp: 1880319

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.0	19.1	28.7



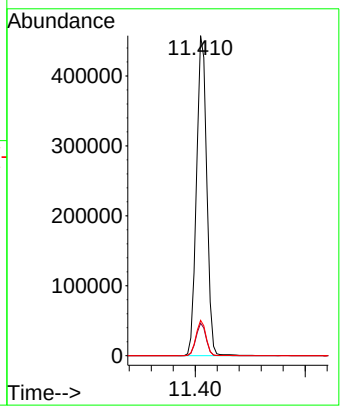


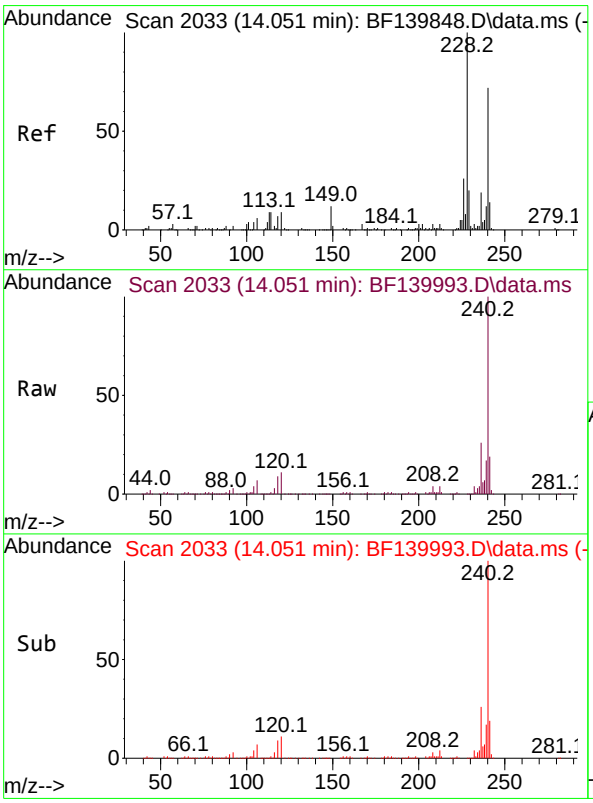
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Tgt Ion:188 Resp: 592376

Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.9	11.9
80	11.0	9.0	13.4

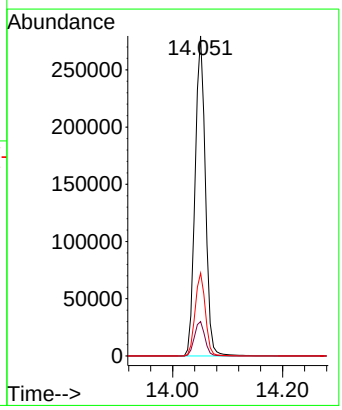


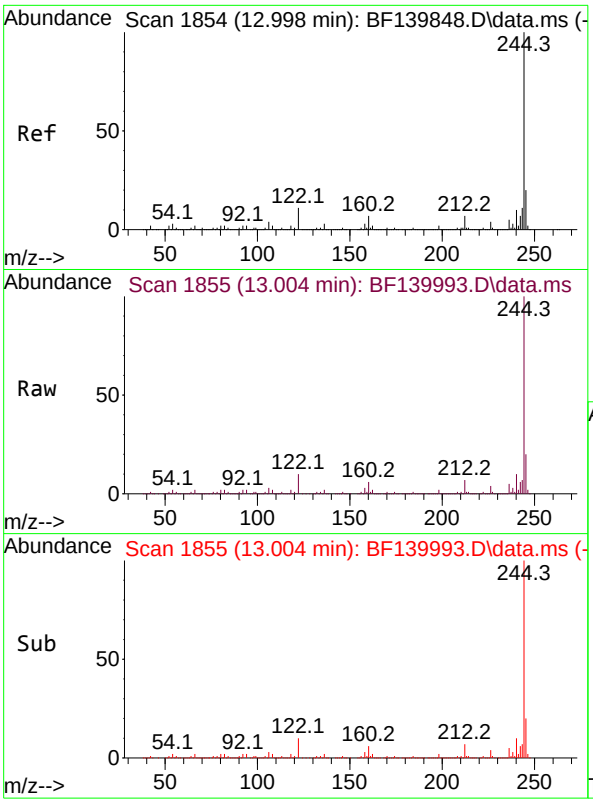


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Tgt Ion:240 Resp: 363554

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.4	14.2
236	25.9	20.9	31.3



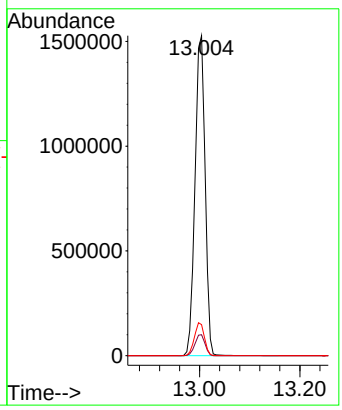


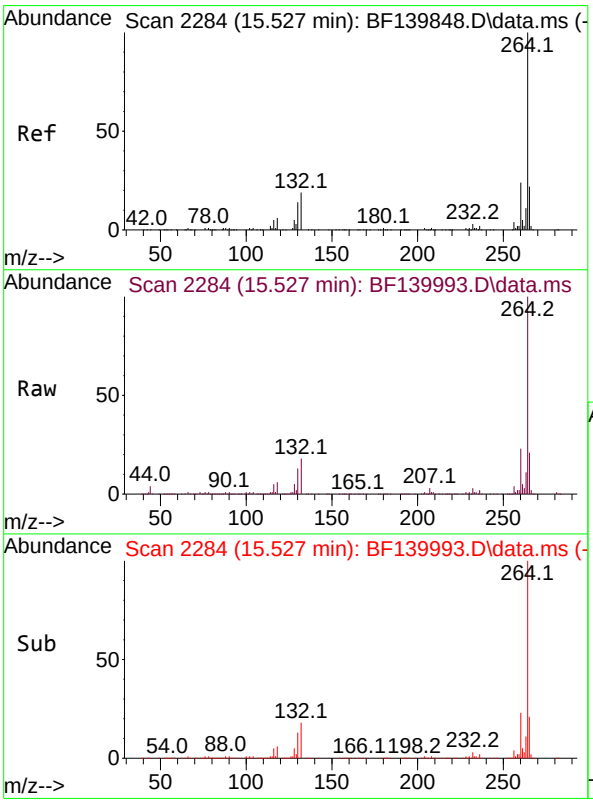
#79
Terphenyl-d14
Concen: 95.342 ng
RT: 13.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Tgt Ion:244 Resp: 2127175

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	9.7	8.6	13.0

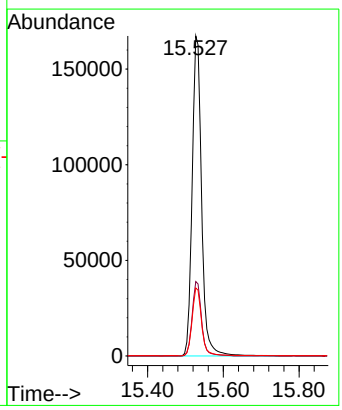




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Tgt Ion:264 Resp: 290384

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	21.3	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139994.D
Acq On : 24 Oct 2024 11:49
Operator : RC/JU
Sample : PB164315BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164315BS

Quant Time: Oct 24 12:21:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	143702	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	566601	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	302186	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	535948	20.000	ng	0.00
76) Chrysene-d12	14.051	240	260625	20.000	ng	0.00
86) Perylene-d12	15.527	264	282742	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1160292	126.402	ng	0.02
7) Phenol-d6	6.516	99	1462769	123.038	ng	0.00
23) Nitrobenzene-d5	7.451	82	954892	93.405	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	446749	158.054	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1707500	93.386	ng	0.00
79) Terphenyl-d14	12.998	244	1703690	106.518	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.757	88	154698	36.146	ng	95
3) Pyridine	3.516	79	411484	38.788	ng	95
4) n-Nitrosodimethylamine	3.463	42	234738	41.185	ng	96
6) Aniline	6.551	93	439543	39.670	ng	99
8) 2-Chlorophenol	6.675	128	450392	47.995	ng	96
9) Benzaldehyde	6.440	77	107591	16.087	ng	98
10) Phenol	6.528	94	549026m	44.794	ng	
11) bis(2-Chloroethyl)ether	6.628	93	430120	45.402	ng	97
12) 1,3-Dichlorobenzene	6.834	146	476596	44.243	ng	99
13) 1,4-Dichlorobenzene	6.910	146	487421	45.290	ng	98
14) 1,2-Dichlorobenzene	7.063	146	465007	46.296	ng	99
15) Benzyl Alcohol	7.028	79	404111	46.338	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	708497	43.860	ng	97
17) 2-Methylphenol	7.140	107	372824	46.592	ng	99
18) Hexachloroethane	7.404	117	174507	45.471	ng	96
19) n-Nitroso-di-n-propyla...	7.304	70	324409	44.991	ng	95
20) 3+4-Methylphenols	7.287	107	452339	44.196	ng	94
22) Acetophenone	7.298	105	606884	43.730	ng	98
24) Nitrobenzene	7.469	77	489244	43.649	ng	100
25) Isophorone	7.710	82	884582	45.589	ng	99
26) 2-Nitrophenol	7.787	139	236831	56.009	ng	95
27) 2,4-Dimethylphenol	7.816	122	371793	52.731	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	532172	45.268	ng	100
29) 2,4-Dichlorophenol	8.022	162	370712	46.160	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	393537	44.285	ng	99
31) Naphthalene	8.192	128	1298729	44.444	ng	100
32) Benzoic acid	7.934	122	295362	48.029	ng	94
33) 4-Chloroaniline	8.239	127	191995	19.268	ng	98
34) Hexachlorobutadiene	8.310	225	252882	45.291	ng	100
35) Caprolactam	8.610	113	120736m	47.281	ng	
36) 4-Chloro-3-methylphenol	8.716	107	403239	45.345	ng	97
37) 2-Methylnaphthalene	8.886	142	823280	46.002	ng	99
38) 1-Methylnaphthalene	8.986	142	760399	43.306	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	388519	47.656	ng	99
41) Hexachlorocyclopentadiene	9.039	237	514537	181.387	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	293862	50.913	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139994.D
Acq On : 24 Oct 2024 11:49
Operator : RC/JU
Sample : PB164315BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164315BS

Quant Time: Oct 24 12:21:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

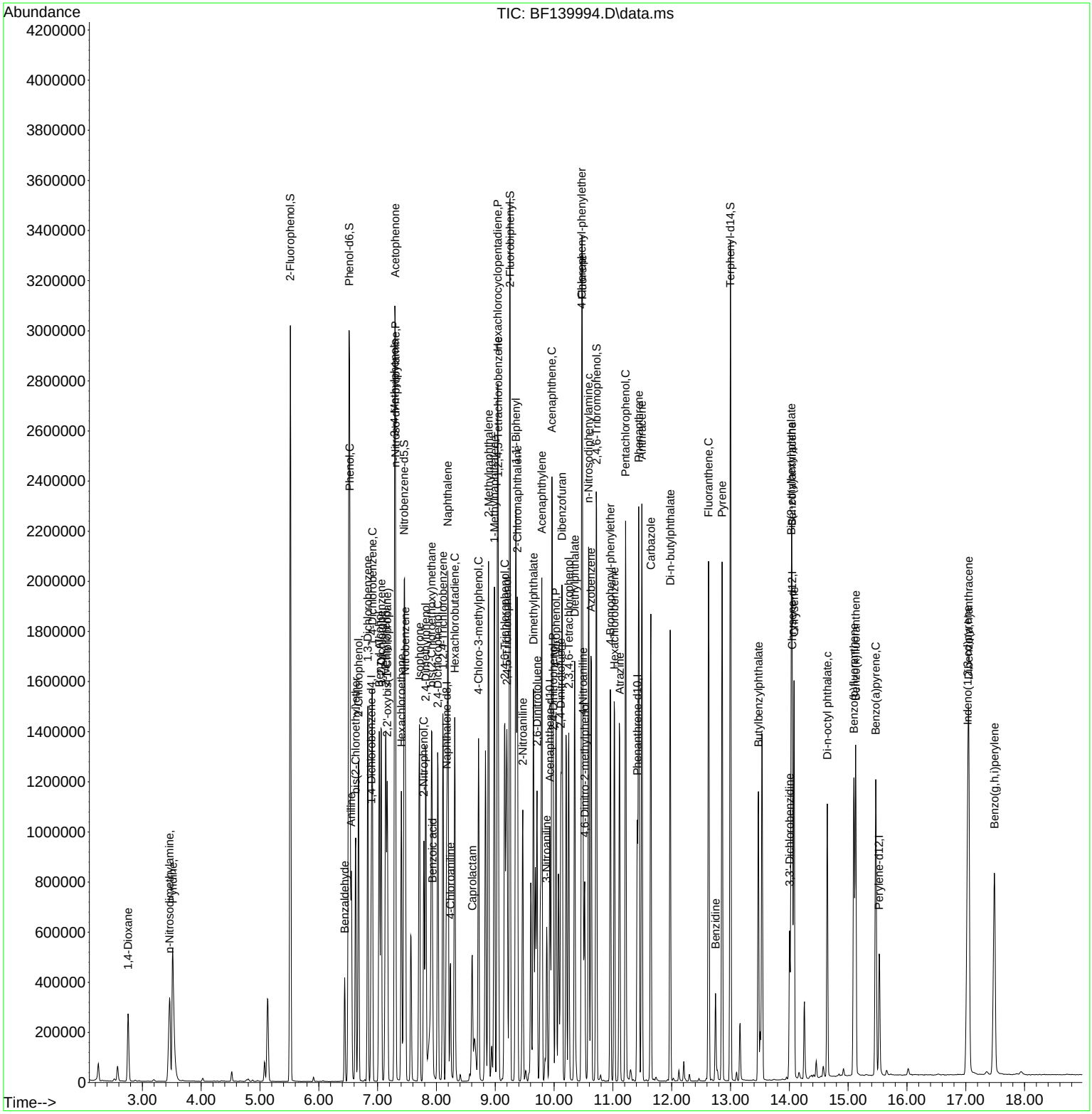
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	295995	49.705	ng		99
46) 1,1'-Biphenyl	9.351	154	990678	47.093	ng		99
47) 2-Chloronaphthalene	9.375	162	789590	46.602	ng		99
48) 2-Nitroaniline	9.469	65	269390	51.986	ng		93
49) Acenaphthylene	9.792	152	1234528	50.400	ng		99
50) Dimethylphthalate	9.651	163	921453	48.955	ng		100
51) 2,6-Dinitrotoluene	9.710	165	205171	50.343	ng		95
52) Acenaphthene	9.963	154	863112	54.470	ng		99
53) 3-Nitroaniline	9.875	138	125115	29.770	ng		97
54) 2,4-Dinitrophenol	9.986	184	224090	128.071	ng	#	1
55) Dibenzofuran	10.133	168	1095379	48.181	ng		99
56) 4-Nitrophenol	10.033	139	342409	105.897	ng		96
57) 2,4-Dinitrotoluene	10.116	165	274243	54.720	ng		96
58) Fluorene	10.480	166	821779	47.458	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	246416	52.785	ng		96
60) Diethylphthalate	10.351	149	883265	47.793	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	419283	47.948	ng		98
62) 4-Nitroaniline	10.492	138	195741	49.313	ng		95
63) Azobenzene	10.628	77	905569	46.220	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	150164	68.690	ng		90
66) n-Nitrosodiphenylamine	10.586	169	771009	48.066	ng		100
67) 4-Bromophenyl-phenylether	10.957	248	274971	49.802	ng		97
68) Hexachlorobenzene	11.028	284	308047	49.608	ng		94
69) Atrazine	11.116	200	249571	57.436	ng		99
70) Pentachlorophenol	11.216	266	373703	99.161	ng		99
71) Phenanthrene	11.439	178	1205859	47.632	ng		100
72) Anthracene	11.492	178	1233007	49.919	ng		100
73) Carbazole	11.645	167	1052474	45.816	ng		99
74) Di-n-butylphthalate	11.975	149	1249126	47.065	ng		100
75) Fluoranthene	12.627	202	1184700	46.291	ng		100
77) Benzidine	12.745	184	199428	46.535	ng		99
78) Pyrene	12.857	202	1178350	51.652	ng		100
80) Butylbenzylphthalate	13.474	149	366950	53.652	ng		98
81) Benzo(a)anthracene	14.045	228	854961	50.393	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	178968	36.180	ng		98
83) Chrysene	14.080	228	755642	48.577	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	411236	53.591	ng		99
85) Di-n-octyl phthalate	14.645	149	701121	50.233	ng		96
87) Indeno(1,2,3-cd)pyrene	17.033	276	1030056	56.629	ng		98
88) Benzo(b)fluoranthene	15.098	252	745894	43.307	ng		99
89) Benzo(k)fluoranthene	15.127	252	765437	51.531	ng		99
90) Benzo(a)pyrene	15.468	252	745619	52.612	ng		100
91) Dibenzo(a,h)anthracene	17.051	278	843072	55.560	ng		99
92) Benzo(g,h,i)perylene	17.486	276	798685	52.694	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139994.D
Acq On : 24 Oct 2024 11:49
Operator : RC/JU
Sample : PB164315BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164315BS

Quant Time: Oct 24 12:21:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139970.D
Acq On : 23 Oct 2024 17:59
Operator : RC/JU
Sample : P4397-06MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 01:10:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.893	152	145719	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	539980	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	259652	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	394534	20.000	ng		0.00
76) Chrysene-d12	14.057	240	319585	20.000	ng		0.00
86) Perylene-d12	15.533	264	328571	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.528	112	1184189	127.220	ng		0.03
7) Phenol-d6	6.516	99	1422654	118.007	ng		0.00
23) Nitrobenzene-d5	7.451	82	970341	99.596	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	341029	140.416	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1601722	101.950	ng		0.00
79) Terphenyl-d14	12.998	244	1549414	79.001	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.881	88	165499	38.134	ng	#	79
3) Pyridine	3.587	79	281056	26.127	ng		96
4) n-Nitrosodimethylamine	3.516	42	229291	39.672	ng		97
6) Aniline	6.557	93	163876	14.585	ng		97
8) 2-Chlorophenol	6.675	128	431885	45.386	ng		99
9) Benzaldehyde	6.446	77	27124	3.999	ng		92
10) Phenol	6.534	94	504851m	40.620	ng		
11) bis(2-Chloroethyl)ether	6.628	93	429093	44.667	ng		99
12) 1,3-Dichlorobenzene	6.834	146	446954	40.917	ng		99
13) 1,4-Dichlorobenzene	6.910	146	452366	41.451	ng		98
14) 1,2-Dichlorobenzene	7.063	146	437203	42.925	ng		98
15) Benzyl Alcohol	7.028	79	394187	44.575	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	692518	42.277	ng		97
17) 2-Methylphenol	7.140	107	362384	44.661	ng		99
18) Hexachloroethane	7.404	117	156969	40.335	ng		97
19) n-Nitroso-di-n-propyla...	7.304	70	318826	43.605	ng		96
20) 3+4-Methylphenols	7.293	107	447860	43.152	ng	#	81
22) Acetophenone	7.298	105	589821	44.596	ng		99
24) Nitrobenzene	7.475	77	464539	43.488	ng		98
25) Isophorone	7.710	82	850487	45.993	ng		99
26) 2-Nitrophenol	7.787	139	219714	54.522	ng		95
27) 2,4-Dimethylphenol	7.822	122	363608	54.112	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	511077	45.617	ng		100
29) 2,4-Dichlorophenol	8.028	162	351914	45.980	ng		98
30) 1,2,4-Trichlorobenzene	8.110	180	365443	43.151	ng		99
31) Naphthalene	8.193	128	1433262	51.466	ng		100
32) Benzoic acid	7.922	122	252244	43.040	ng		97
33) 4-Chloroaniline	8.240	127	56215	5.920	ng		98
34) Hexachlorobutadiene	8.310	225	231750	43.553	ng		99
35) Caprolactam	8.598	113	95747	39.344	ng		94
36) 4-Chloro-3-methylphenol	8.716	107	367844	43.404	ng		96
37) 2-Methylnaphthalene	8.887	142	831760	48.767	ng		99
38) 1-Methylnaphthalene	8.987	142	773515	46.225	ng		99
40) 1,2,4,5-Tetrachloroben...	9.051	216	358813	51.222	ng		99
41) Hexachlorocyclopentadiene	9.040	237	201420	82.637	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	259089	52.241	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139970.D
Acq On : 23 Oct 2024 17:59
Operator : RC/JU
Sample : P4397-06MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 01:10:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	252046	49.258	ng		97
46) 1,1'-Biphenyl	9.351	154	904792	50.056	ng		99
47) 2-Chloronaphthalene	9.375	162	704968	48.424	ng		99
48) 2-Nitroaniline	9.463	65	234065	52.569	ng		96
49) Acenaphthylene	9.792	152	1069289	50.805	ng		100
50) Dimethylphthalate	9.645	163	840924	51.995	ng		100
51) 2,6-Dinitrotoluene	9.710	165	178345	50.929	ng		92
52) Acenaphthene	9.963	154	752606	55.277	ng		100
53) 3-Nitroaniline	9.875	138	71967	19.929	ng		94
54) 2,4-Dinitrophenol	9.981	184	127551	87.042	ng	#	1
55) Dibenzofuran	10.134	168	931769	47.698	ng		98
56) 4-Nitrophenol	10.028	139	248396	89.405	ng		97
57) 2,4-Dinitrotoluene	10.110	165	223785	51.967	ng		96
58) Fluorene	10.475	166	707194	47.531	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	195120	48.643	ng		95
60) Diethylphthalate	10.345	149	763940	48.108	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	352123	46.864	ng		99
62) 4-Nitroaniline	10.486	138	142265	41.712	ng		96
63) Azobenzene	10.628	77	737131	43.786	ng		97
65) 4,6-Dinitro-2-methylph...	10.516	198	90649	56.329	ng		93
66) n-Nitrosodiphenylamine	10.586	169	631286	53.461	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	216597	53.291	ng		96
68) Hexachlorobenzene	11.022	284	226101	49.463	ng		99
69) Atrazine	11.110	200	161884	50.609	ng		98
70) Pentachlorophenol	11.216	266	281614	101.510	ng		99
71) Phenanthrene	11.439	178	974942	52.315	ng		99
72) Anthracene	11.492	178	953433	52.435	ng		100
73) Carbazole	11.645	167	815066	48.199	ng		99
74) Di-n-butylphthalate	11.975	149	1050412	53.764	ng		99
75) Fluoranthene	12.628	202	985425	52.306	ng		99
77) Benzidine	12.745	184	196024	37.302	ng		99
78) Pyrene	12.857	202	1030796	36.848	ng		100
80) Butylbenzylphthalate	13.475	149	443486	52.879	ng		98
81) Benzo(a)anthracene	14.045	228	1045118	50.237	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	237087	39.086	ng		99
83) Chrysene	14.080	228	966611	50.675	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	614398	65.295	ng	#	99
85) Di-n-octyl phthalate	14.645	149	1119671	65.421	ng		97
87) Indeno(1,2,3-cd)pyrene	17.027	276	705835	33.392	ng		99
88) Benzo(b)fluoranthene	15.098	252	1120485	55.982	ng		99
89) Benzo(k)fluoranthene	15.127	252	912998	52.892	ng		100
90) Benzo(a)pyrene	15.469	252	899666	54.628	ng		100
91) Dibenzo(a,h)anthracene	17.045	278	598921	33.965	ng		98
92) Benzo(g,h,i)perylene	17.474	276	501683	28.483	ng		98

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

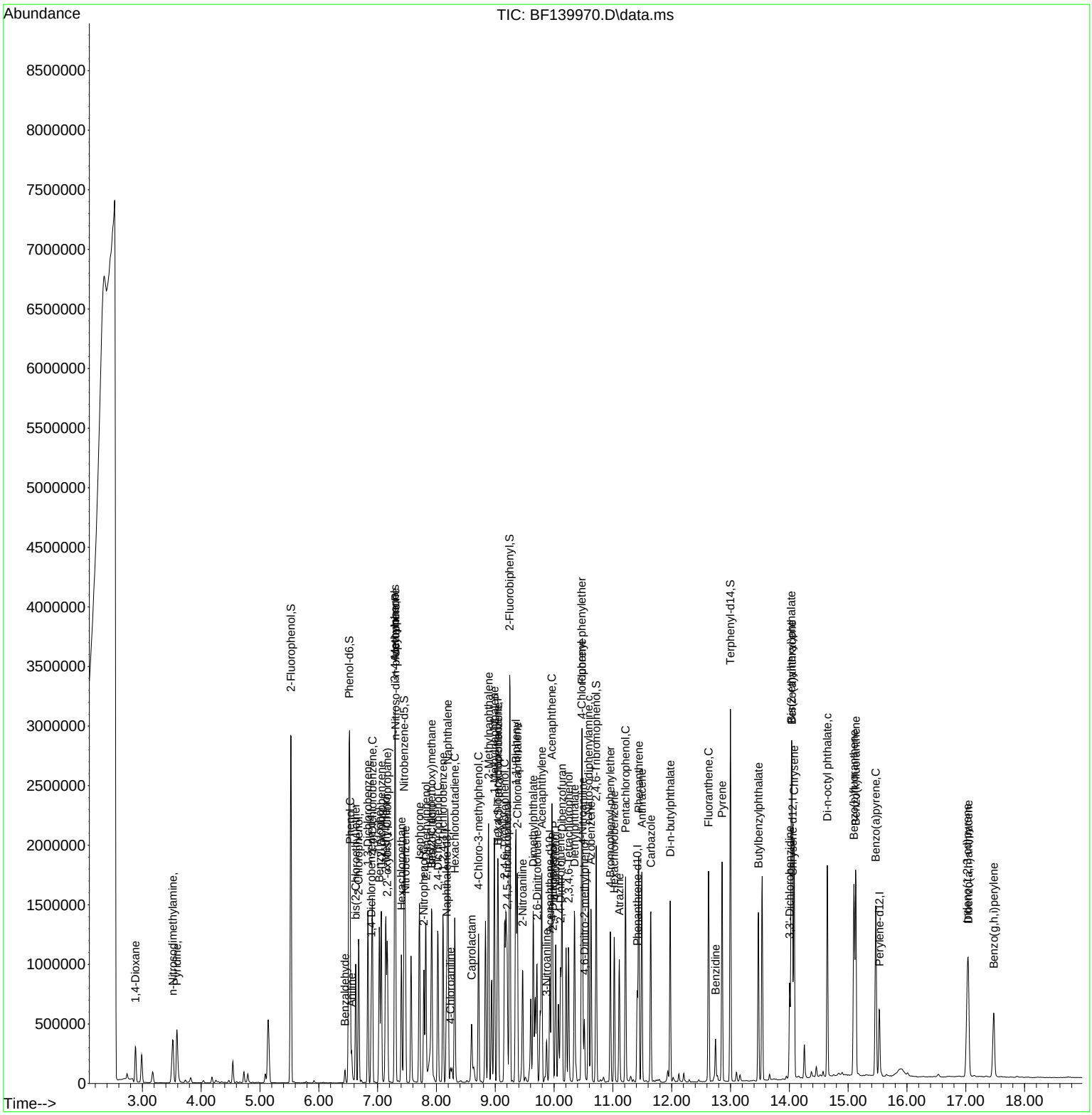
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139970.D
Acq On : 23 Oct 2024 17:59
Operator : RC/JU
Sample : P4397-06MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 01:10:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139971.D
Acq On : 23 Oct 2024 18:28
Operator : RC/JU
Sample : P4397-06MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 01:10:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	137496	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	502859	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	242617	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	363131	20.000	ng	0.00
76) Chrysene-d12	14.057	240	305569	20.000	ng	0.00
86) Perylene-d12	15.533	264	311545	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1225492	139.531	ng	0.03
7) Phenol-d6	6.516	99	1477382	129.876	ng	0.00
23) Nitrobenzene-d5	7.451	82	1009040	111.213	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	350375	154.393	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1650095	112.404	ng	0.00
79) Terphenyl-d14	12.998	244	1592275	84.910	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.899	88	170207	41.564	ng	# 80
3) Pyridine	3.599	79	310393	30.580	ng	95
4) n-Nitrosodimethylamine	3.528	42	236790	43.420	ng	95
6) Aniline	6.557	93	172832	16.302	ng	97
8) 2-Chlorophenol	6.675	128	451643	50.301	ng	99
9) Benzaldehyde	6.446	77	27050	4.227	ng	92
10) Phenol	6.534	94	520184m	44.356	ng	
11) bis(2-Chloroethyl)ether	6.628	93	437994	48.320	ng	99
12) 1,3-Dichlorobenzene	6.834	146	465766	45.190	ng	98
13) 1,4-Dichlorobenzene	6.910	146	466553	45.308	ng	99
14) 1,2-Dichlorobenzene	7.063	146	446998	46.512	ng	98
15) Benzyl Alcohol	7.028	79	408219	48.922	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	712316	46.086	ng	97
17) 2-Methylphenol	7.140	107	372657	48.674	ng	99
18) Hexachloroethane	7.404	117	163287	44.468	ng	96
19) n-Nitroso-di-n-propyla...	7.304	70	325882	47.235	ng	95
20) 3+4-Methylphenols	7.293	107	460612	47.035	ng	# 80
22) Acetophenone	7.298	105	607644	49.335	ng	99
24) Nitrobenzene	7.475	77	487597	49.017	ng	97
25) Isophorone	7.710	82	883102	51.282	ng	99
26) 2-Nitrophenol	7.787	139	221380	58.991	ng	97
27) 2,4-Dimethylphenol	7.816	122	376929	60.236	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	530666	50.862	ng	99
29) 2,4-Dichlorophenol	8.022	162	367175	51.515	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	375220	47.576	ng	99
31) Naphthalene	8.192	128	1475280	56.885	ng	100
32) Benzoic acid	7.922	122	258420	47.349	ng	97
33) 4-Chloroaniline	8.240	127	47003	5.315	ng	98
34) Hexachlorobutadiene	8.310	225	240622	48.558	ng	99
35) Caprolactam	8.598	113	97605	43.068	ng	94
36) 4-Chloro-3-methylphenol	8.716	107	379896	48.136	ng	97
37) 2-Methylnaphthalene	8.887	142	853619	53.743	ng	99
38) 1-Methylnaphthalene	8.987	142	797249	51.160	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	373726	57.097	ng	99
41) Hexachlorocyclopentadiene	9.039	237	214740	94.288	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	265846	57.367	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139971.D
Acq On : 23 Oct 2024 18:28
Operator : RC/JU
Sample : P4397-06MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 01:10:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	256132	53.572	ng		99
46) 1,1'-Biphenyl	9.351	154	943666	55.872	ng		100
47) 2-Chloronaphthalene	9.375	162	726392	53.399	ng		99
48) 2-Nitroaniline	9.463	65	238771	57.391	ng		95
49) Acenaphthylene	9.792	152	1082454	55.041	ng		100
50) Dimethylphthalate	9.645	163	864443	57.202	ng		100
51) 2,6-Dinitrotoluene	9.710	165	181141	55.360	ng		94
52) Acenaphthene	9.963	154	777728	61.133	ng		99
53) 3-Nitroaniline	9.875	138	60382	17.895	ng		98
54) 2,4-Dinitrophenol	9.981	184	133653	96.818	ng	#	1
55) Dibenzofuran	10.134	168	952626	52.190	ng		98
56) 4-Nitrophenol	10.028	139	253848	97.783	ng		96
57) 2,4-Dinitrotoluene	10.110	165	228275	56.731	ng		95
58) Fluorene	10.475	166	716351	51.527	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	195676	52.207	ng		96
60) Diethylphthalate	10.345	149	795465	53.610	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	360807	51.391	ng		98
62) 4-Nitroaniline	10.486	138	145450	45.640	ng		95
63) Azobenzene	10.628	77	743674	47.276	ng		97
65) 4,6-Dinitro-2-methylph...	10.516	198	94987	64.129	ng		91
66) n-Nitrosodiphenylamine	10.586	169	640036	58.890	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	218757	58.477	ng		97
68) Hexachlorobenzene	11.022	284	230847	54.868	ng		99
69) Atrazine	11.110	200	164318	55.813	ng		99
70) Pentachlorophenol	11.216	266	289137	113.234	ng		100
71) Phenanthrene	11.439	178	1006570	58.683	ng		99
72) Anthracene	11.492	178	966636	57.759	ng		100
73) Carbazole	11.639	167	834210	53.597	ng		99
74) Di-n-butylphthalate	11.975	149	1066617	59.315	ng		100
75) Fluoranthene	12.627	202	1023615	59.032	ng		100
77) Benzidine	12.745	184	154077	30.665	ng		99
78) Pyrene	12.857	202	1058288	39.566	ng		100
80) Butylbenzylphthalate	13.474	149	457311	57.029	ng		99
81) Benzo(a)anthracene	14.045	228	1075786	54.083	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	231729	39.955	ng		100
83) Chrysene	14.080	228	1005483	55.131	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	643508	71.526	ng		100
85) Di-n-octyl phthalate	14.645	149	1177689	71.968	ng		97
87) Indeno(1,2,3-cd)pyrene	17.027	276	729499	36.398	ng		99
88) Benzo(b)fluoranthene	15.098	252	1164759	61.374	ng		100
89) Benzo(k)fluoranthene	15.127	252	966378	59.044	ng		100
90) Benzo(a)pyrene	15.468	252	932048	59.687	ng		99
91) Dibenzo(a,h)anthracene	17.045	278	614593	36.758	ng		99
92) Benzo(g,h,i)perylene	17.474	276	516991	30.956	ng		99

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

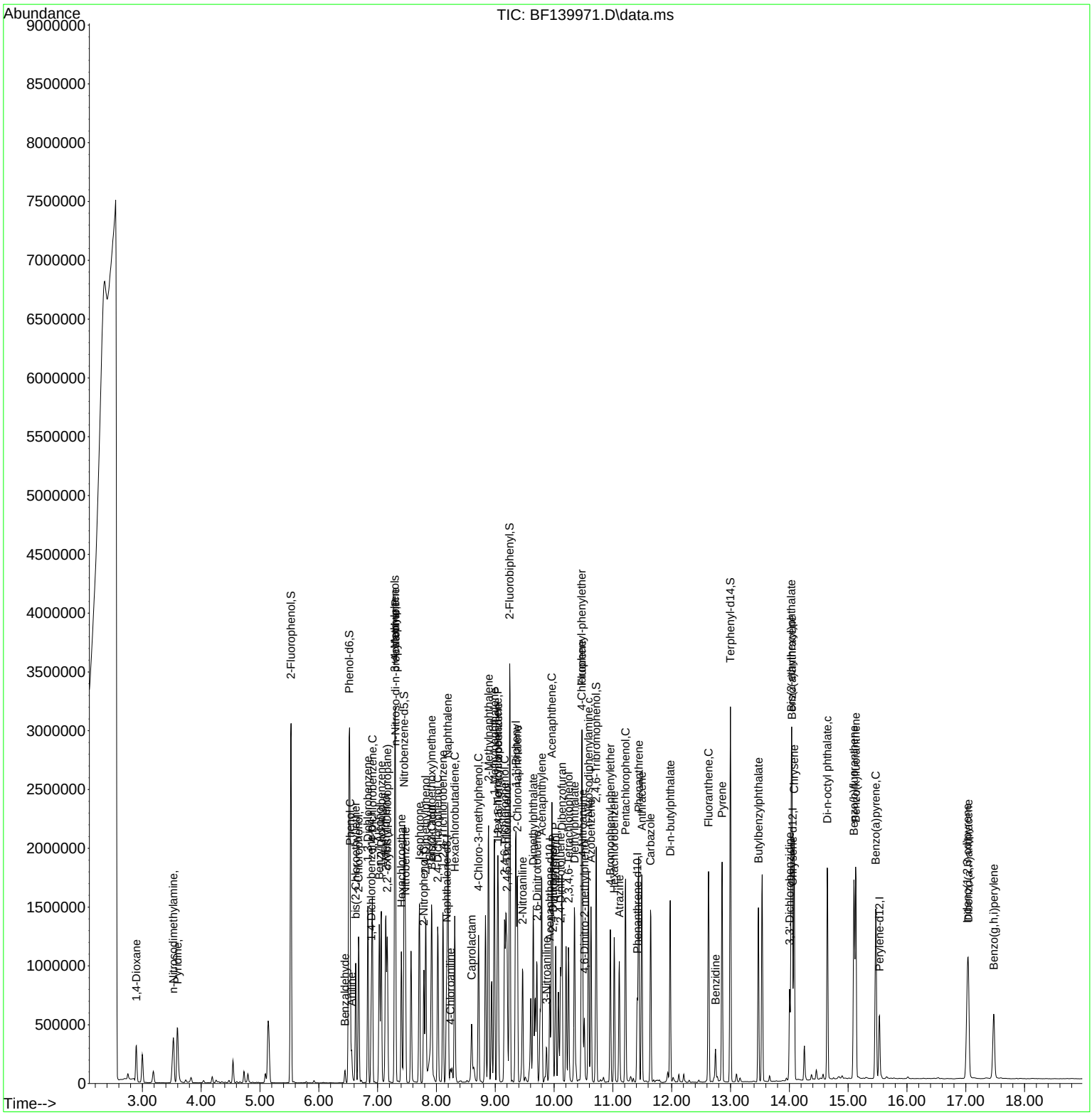
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139971.D
Acq On : 23 Oct 2024 18:28
Operator : RC/JU
Sample : P4397-06MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 01:10:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



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

Manual Integration Report

Sequence:	BF101824	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BF139848.D	Phenol	yogesh	10/21/2024 6:33:45 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC050	BF139849.D	Phenol	yogesh	10/21/2024 6:33:46 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC060	BF139850.D	Phenol	yogesh	10/21/2024 6:33:47 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC080	BF139851.D	Aniline	yogesh	10/21/2024 6:33:49 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICV040	BF139852.D	Phenol	yogesh	10/21/2024 6:33:50 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF102324	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139952.D	Phenol	yogesh	10/24/2024 1:42:16 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
SSTDCCC040	BF139965.D	Phenol	yogesh	10/24/2024 1:42:27 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
P4397-06MS	BF139970.D	Phenol	Jagrut	10/24/2024 10:34:11 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
P4397-06MSD	BF139971.D	Phenol	Jagrut	10/24/2024 10:34:14 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF102424	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139990.D	Phenol	yogesh	10/25/2024 6:26:47 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
PB164315BS	BF139994.D	Caprolactam	yogesh	10/25/2024 6:26:55 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
PB164315BS	BF139994.D	Phenol	yogesh	10/25/2024 6:26:55 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
SSTDCCC040	BF140001.D	Phenol	yogesh	10/25/2024 6:27:19 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF102624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140050.D	Phenol	yogesh	10/29/2024 1:34:09 AM	mohammad	10/29/2024 1:38:32 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 # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM				
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM				
SubDirectory	BF101824	HP Acquire Method	BNA_F		HP Processing Method	bf101824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139843.D	18 Oct 2024 09:22	RC/JU	Ok
2	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27	RC/JU	Ok
3	SSTDICC005	BF139845.D	18 Oct 2024 10:55	RC/JU	Ok
4	SSTDICC010	BF139846.D	18 Oct 2024 11:23	RC/JU	Ok
5	SSTDICC020	BF139847.D	18 Oct 2024 11:52	RC/JU	Ok
6	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	RC/JU	Ok,M
7	SSTDICC050	BF139849.D	18 Oct 2024 12:49	RC/JU	Ok,M
8	SSTDICC060	BF139850.D	18 Oct 2024 13:17	RC/JU	Ok,M
9	SSTDICC080	BF139851.D	18 Oct 2024 13:46	RC/JU	Ok,M
10	SSTDICV040	BF139852.D	18 Oct 2024 14:19	RC/JU	Ok,M
11	PB164211BL	BF139853.D	18 Oct 2024 14:48	RC/JU	Ok
12	P4405-01	BF139854.D	18 Oct 2024 15:21	RC/JU	Ok
13	P4431-01	BF139855.D	18 Oct 2024 15:50	RC/JU	Ok,M
14	P4421-01	BF139856.D	18 Oct 2024 16:18	RC/JU	Ok,M
15	P4422-01	BF139857.D	18 Oct 2024 16:46	RC/JU	Ok
16	P4425-01	BF139858.D	18 Oct 2024 17:15	RC/JU	Ok
17	P4425-03	BF139859.D	18 Oct 2024 17:44	RC/JU	Ok
18	P4425-05	BF139860.D	18 Oct 2024 18:12	RC/JU	Ok
19	P4425-07	BF139861.D	18 Oct 2024 18:41	RC/JU	ReRun
20	P4425-09	BF139862.D	18 Oct 2024 19:09	RC/JU	ReRun
21	P4426-03	BF139863.D	18 Oct 2024 19:37	RC/JU	ReRun

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 # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4426-07	BF139864.D	18 Oct 2024 20:05	RC/JU	ReRun
23	P4426-17	BF139865.D	18 Oct 2024 20:34	RC/JU	ReRun
24	P4426-11	BF139866.D	18 Oct 2024 21:02	RC/JU	ReRun

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM				
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM				
SubDirectory	BF102324	HP Acquire Method	BNA_F		HP Processing Method	bf101824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139951.D	23 Oct 2024 08:52	RC/JU	Ok
2	SSTDCCC040	BF139952.D	23 Oct 2024 09:20	RC/JU	Ok,M
3	PB164020BL	BF139953.D	23 Oct 2024 09:48	RC/JU	Ok
4	PB164020BS	BF139954.D	23 Oct 2024 10:17	RC/JU	Ok,M
5	PB164237BL	BF139955.D	23 Oct 2024 10:45	RC/JU	Ok
6	PB164237BS	BF139956.D	23 Oct 2024 11:14	RC/JU	Ok,M
7	PB164208BL	BF139957.D	23 Oct 2024 11:42	RC/JU	Ok
8	PB164216BS	BF139958.D	23 Oct 2024 12:10	RC/JU	Ok,M
9	PB164123BS	BF139959.D	23 Oct 2024 12:39	RC/JU	Ok,M
10	PB164154BS	BF139960.D	23 Oct 2024 13:07	RC/JU	Ok,M
11	PB164154BSD	BF139961.D	23 Oct 2024 13:36	RC/JU	Ok,M
12	PB164286BL	BF139962.D	23 Oct 2024 14:04	RC/JU	Ok
13	PB164286BS	BF139963.D	23 Oct 2024 14:33	RC/JU	Ok,M
14	DFTPP	BF139964.D	23 Oct 2024 15:01	RC/JU	Ok
15	SSTDCCC040	BF139965.D	23 Oct 2024 15:30	RC/JU	Ok,M
16	PB164195TB	BF139966.D	23 Oct 2024 15:58	RC/JU	Ok
17	P4397-06	BF139967.D	23 Oct 2024 16:32	RC/JU	Ok
18	P4443-06DL	BF139968.D	23 Oct 2024 17:01	RC/JU	Ok,M
19	P4458-01	BF139969.D	23 Oct 2024 17:30	RC/JU	Ok,M
20	P4397-06MS	BF139970.D	23 Oct 2024 17:59	RC/JU	Ok,M
21	P4397-06MSD	BF139971.D	23 Oct 2024 18:28	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4472-04	BF139972.D	23 Oct 2024 18:56	RC/JU	Ok
23	P4468-06	BF139973.D	23 Oct 2024 19:25	RC/JU	Ok
24	P4468-04	BF139974.D	23 Oct 2024 19:54	RC/JU	Ok
25	P4397-04	BF139975.D	23 Oct 2024 20:22	RC/JU	Ok
26	P4397-02	BF139976.D	23 Oct 2024 20:51	RC/JU	Ok
27	P4397-02MS	BF139977.D	23 Oct 2024 21:20	RC/JU	Ok,M
28	P4397-02MSD	BF139978.D	23 Oct 2024 21:49	RC/JU	Ok,M
29	P4397-01	BF139979.D	23 Oct 2024 22:17	RC/JU	Ok,M
30	P4468-05	BF139980.D	23 Oct 2024 22:46	RC/JU	Ok
31	P4472-01	BF139981.D	23 Oct 2024 23:14	RC/JU	Ok
32	P4385-20	BF139982.D	23 Oct 2024 23:43	RC/JU	Ok,M
33	P4385-14	BF139983.D	24 Oct 2024 00:11	RC/JU	Ok
34	P4474-01	BF139984.D	24 Oct 2024 00:40	RC/JU	Ok
35	P4473-01	BF139985.D	24 Oct 2024 01:08	RC/JU	Ok
36	P4489-01	BF139986.D	24 Oct 2024 01:37	RC/JU	Dilution
37	P4486-01	BF139987.D	24 Oct 2024 02:06	RC/JU	Ok,M
38	P4468-03	BF139988.D	24 Oct 2024 02:34	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139989.D	24 Oct 2024 09:26	RC/JU	Ok
2	SSTDCCC040	BF139990.D	24 Oct 2024 09:55	RC/JU	Ok,M
3	PB164312BL	BF139991.D	24 Oct 2024 10:23	RC/JU	Ok
4	PB164312BS	BF139992.D	24 Oct 2024 10:52	RC/JU	Ok,M
5	PB164315BL	BF139993.D	24 Oct 2024 11:20	RC/JU	Ok
6	PB164315BS	BF139994.D	24 Oct 2024 11:49	RC/JU	Ok,M
7	PB164301TB	BF139995.D	24 Oct 2024 12:17	RC/JU	Ok
8	PB163997BS	BF139996.D	24 Oct 2024 12:53	RC/JU	Ok,M
9	PB164208BS	BF139997.D	24 Oct 2024 13:21	RC/JU	Ok,M
10	PB164338BL	BF139998.D	24 Oct 2024 13:50	RC/JU	Ok
11	PB164338BS	BF139999.D	24 Oct 2024 14:19	RC/JU	Ok,M
12	DFTPP	BF140000.D	24 Oct 2024 14:47	RC/JU	Ok
13	SSTDCCC040	BF140001.D	24 Oct 2024 15:16	RC/JU	Ok,M
14	PB164261TB	BF140002.D	24 Oct 2024 15:44	RC/JU	Ok
15	P4489-01DL	BF140003.D	24 Oct 2024 16:19	RC/JU	Ok
16	P4467-01MS	BF140004.D	24 Oct 2024 16:48	RC/JU	Ok,M
17	P4467-01MSD	BF140005.D	24 Oct 2024 17:17	RC/JU	Ok,M
18	P4460-03MS	BF140006.D	24 Oct 2024 17:45	RC/JU	Ok,M
19	P4460-03MSD	BF140007.D	24 Oct 2024 18:14	RC/JU	Ok,M
20	P4467-04	BF140008.D	24 Oct 2024 18:42	RC/JU	Ok
21	P4472-08	BF140009.D	24 Oct 2024 19:11	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4460-03	BF140010.D	24 Oct 2024 19:39	RC/JU	ReRun
23	P4471-01	BF140011.D	24 Oct 2024 20:08	RC/JU	Ok
24	P4471-02	BF140012.D	24 Oct 2024 20:36	RC/JU	ReRun
25	P4467-01	BF140013.D	24 Oct 2024 21:04	RC/JU	ReRun
26	P4460-04	BF140014.D	24 Oct 2024 21:33	RC/JU	ReRun
27	P4468-01	BF140015.D	24 Oct 2024 22:01	RC/JU	ReRun
28	P4485-01	BF140016.D	24 Oct 2024 22:29	RC/JU	ReRun
29	P4487-01	BF140017.D	24 Oct 2024 22:58	RC/JU	ReRun
30	P4487-05	BF140018.D	24 Oct 2024 23:26	RC/JU	Ok
31	P4487-05MS	BF140019.D	24 Oct 2024 23:54	RC/JU	Ok,M
32	P4487-05MSD	BF140020.D	25 Oct 2024 00:22	RC/JU	Ok,M
33	P4485-02	BF140021.D	25 Oct 2024 00:50	RC/JU	ReRun
34	P4512-03	BF140022.D	25 Oct 2024 01:19	RC/JU	ReRun
35	P4470-01	BF140023.D	25 Oct 2024 01:46	RC/JU	Ok
36	P4472-05	BF140024.D	25 Oct 2024 02:14	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102624

Review By	yogesh	Review On	10/29/2024 1:34:36 AM		
Supervise By	mohammad	Supervise On	10/29/2024 1:38:32 AM		
SubDirectory	BF102624	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140049.D	26 Oct 2024 10:10	RC/JU	Ok
2	SSTDCCC040	BF140050.D	26 Oct 2024 10:38	RC/JU	Ok,M
3	PB164401BL	BF140051.D	26 Oct 2024 11:06	RC/JU	Ok
4	PB164401BS	BF140052.D	26 Oct 2024 11:34	RC/JU	Ok,M
5	P4508-09	BF140053.D	26 Oct 2024 12:06	RC/JU	Ok
6	P4508-09MS	BF140054.D	26 Oct 2024 12:34	RC/JU	Ok,M
7	P4508-09MSD	BF140055.D	26 Oct 2024 13:02	RC/JU	Ok,M
8	P4547-05	BF140056.D	26 Oct 2024 13:30	RC/JU	Ok
9	P4547-05MS	BF140057.D	26 Oct 2024 13:58	RC/JU	Ok,M
10	P4547-05MSD	BF140058.D	26 Oct 2024 14:27	RC/JU	Ok,M
11	P4508-05	BF140059.D	26 Oct 2024 14:55	RC/JU	Ok
12	P4517-07	BF140060.D	26 Oct 2024 15:23	RC/JU	Ok
13	P4487-08	BF140061.D	26 Oct 2024 15:51	RC/JU	Ok
14	P4460-04	BF140062.D	26 Oct 2024 16:20	RC/JU	Ok
15	P4460-03	BF140063.D	26 Oct 2024 16:48	RC/JU	Ok
16	P4471-02	BF140064.D	26 Oct 2024 17:16	RC/JU	Ok
17	P4508-12	BF140065.D	26 Oct 2024 17:44	RC/JU	Ok
18	P4508-04	BF140066.D	26 Oct 2024 18:12	RC/JU	Ok
19	P4508-08	BF140067.D	26 Oct 2024 18:40	RC/JU	Ok
20	P4460-02	BF140068.D	26 Oct 2024 19:09	RC/JU	Ok,M
21	P4547-01	BF140069.D	26 Oct 2024 19:37	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102624

Review By	yogesh	Review On	10/29/2024 1:34:36 AM		
Supervise By	mohammad	Supervise On	10/29/2024 1:38:32 AM		
SubDirectory	BF102624	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4508-01	BF140070.D	26 Oct 2024 20:05	RC/JU	Ok
23	P4545-01	BF140071.D	26 Oct 2024 20:33	RC/JU	Ok,M
24	P4509-01	BF140072.D	26 Oct 2024 21:01	RC/JU	Ok,M
25	P4531-01	BF140073.D	26 Oct 2024 21:29	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/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	BF139843.D	18 Oct 2024 09:22		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF139845.D	18 Oct 2024 10:55	Compound #9,32,54,65,85 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF139846.D	18 Oct 2024 11:23		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF139847.D	18 Oct 2024 11:52	Compound #54 Kept on LR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF139849.D	18 Oct 2024 12:49	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF139850.D	18 Oct 2024 13:17		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF139851.D	18 Oct 2024 13:46		RC/JU	Ok,M
10	SSTDICV040	SSTDICV040	BF139852.D	18 Oct 2024 14:19		RC/JU	Ok,M
11	PB164211BL	PB164211BL	BF139853.D	18 Oct 2024 14:48		RC/JU	Ok
12	P4405-01	MH-121	BF139854.D	18 Oct 2024 15:21		RC/JU	Ok
13	P4431-01	72-11934	BF139855.D	18 Oct 2024 15:50		RC/JU	Ok,M
14	P4421-01	EO-02-101624	BF139856.D	18 Oct 2024 16:18		RC/JU	Ok,M
15	P4422-01	EO-01-101624	BF139857.D	18 Oct 2024 16:46		RC/JU	Ok
16	P4425-01	TP-1	BF139858.D	18 Oct 2024 17:15		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4425-03	TP-2	BF139859.D	18 Oct 2024 17:44		RC/JU	Ok
18	P4425-05	TP-3	BF139860.D	18 Oct 2024 18:12		RC/JU	Ok
19	P4425-07	TP-4	BF139861.D	18 Oct 2024 18:41	Internal Standrad Fail	RC/JU	ReRun
20	P4425-09	TP-5	BF139862.D	18 Oct 2024 19:09	Internal Standrad Fail	RC/JU	ReRun
21	P4426-03	PAD-2	BF139863.D	18 Oct 2024 19:37	Internal Standrad Fail	RC/JU	ReRun
22	P4426-07	PAD-4	BF139864.D	18 Oct 2024 20:05	Internal Standrad Fail	RC/JU	ReRun
23	P4426-17	PAD-9	BF139865.D	18 Oct 2024 20:34	Internal Standard Fail	RC/JU	ReRun
24	P4426-11	PAD-6	BF139866.D	18 Oct 2024 21:02	Internal Standard Fail	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/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	BF139951.D	23 Oct 2024 08:52		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139952.D	23 Oct 2024 09:20		RC/JU	Ok,M
3	PB164020BL	PB164020BL	BF139953.D	23 Oct 2024 09:48		RC/JU	Ok
4	PB164020BS	PB164020BS	BF139954.D	23 Oct 2024 10:17		RC/JU	Ok,M
5	PB164237BL	PB164237BL	BF139955.D	23 Oct 2024 10:45		RC/JU	Ok
6	PB164237BS	PB164237BS	BF139956.D	23 Oct 2024 11:14		RC/JU	Ok,M
7	PB164208BL	PB164208BL	BF139957.D	23 Oct 2024 11:42		RC/JU	Ok
8	PB164216BS	PB164216BS	BF139958.D	23 Oct 2024 12:10		RC/JU	Ok,M
9	PB164123BS	PB164123BS	BF139959.D	23 Oct 2024 12:39		RC/JU	Ok,M
10	PB164154BS	PB164154BS	BF139960.D	23 Oct 2024 13:07		RC/JU	Ok,M
11	PB164154BSD	PB164154BSD	BF139961.D	23 Oct 2024 13:36		RC/JU	Ok,M
12	PB164286BL	PB164286BL	BF139962.D	23 Oct 2024 14:04		RC/JU	Ok
13	PB164286BS	PB164286BS	BF139963.D	23 Oct 2024 14:33		RC/JU	Ok,M
14	DFTPP	DFTPP	BF139964.D	23 Oct 2024 15:01		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF139965.D	23 Oct 2024 15:30		RC/JU	Ok,M
16	PB164195TB	PB164195TB	BF139966.D	23 Oct 2024 15:58		RC/JU	Ok
17	P4397-06	WB-301-BOT	BF139967.D	23 Oct 2024 16:32		RC/JU	Ok
18	P4443-06DL	OG-315-HR-502-COMP	BF139968.D	23 Oct 2024 17:01		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4458-01	280517	BF139969.D	23 Oct 2024 17:30		RC/JU	Ok,M
20	P4397-06MS	WB-301-BOTMS	BF139970.D	23 Oct 2024 17:59		RC/JU	Ok,M
21	P4397-06MSD	WB-301-BOTMSD	BF139971.D	23 Oct 2024 18:28		RC/JU	Ok,M
22	P4472-04	BP-F-28	BF139972.D	23 Oct 2024 18:56		RC/JU	Ok
23	P4468-06	ETGI-345	BF139973.D	23 Oct 2024 19:25		RC/JU	Ok
24	P4468-04	ETGI-329	BF139974.D	23 Oct 2024 19:54		RC/JU	Ok
25	P4397-04	WB-301-SW	BF139975.D	23 Oct 2024 20:22		RC/JU	Ok
26	P4397-02	WB-301-BOT	BF139976.D	23 Oct 2024 20:51		RC/JU	Ok
27	P4397-02MS	WB-301-BOTMS	BF139977.D	23 Oct 2024 21:20		RC/JU	Ok,M
28	P4397-02MSD	WB-301-BOTMSD	BF139978.D	23 Oct 2024 21:49		RC/JU	Ok,M
29	P4397-01	WB-301-TOP	BF139979.D	23 Oct 2024 22:17		RC/JU	Ok,M
30	P4468-05	ETGI-345	BF139980.D	23 Oct 2024 22:46		RC/JU	Ok
31	P4472-01	BP-F-28	BF139981.D	23 Oct 2024 23:14		RC/JU	Ok
32	P4385-20	SP-10	BF139982.D	23 Oct 2024 23:43		RC/JU	Ok,M
33	P4385-14	SP-7	BF139983.D	24 Oct 2024 00:11		RC/JU	Ok
34	P4474-01	TS-2	BF139984.D	24 Oct 2024 00:40		RC/JU	Ok
35	P4473-01	TS-1	BF139985.D	24 Oct 2024 01:08		RC/JU	Ok
36	P4489-01	RT-2675	BF139986.D	24 Oct 2024 01:37	Internal Standard Failed, Need 5X Dilution	RC/JU	Dilution
37	P4486-01	EO-03-102224	BF139987.D	24 Oct 2024 02:06		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4468-03	ETGI-329	BF139988.D	24 Oct 2024 02:34		RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/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	BF139989.D	24 Oct 2024 09:26		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139990.D	24 Oct 2024 09:55		RC/JU	Ok,M
3	PB164312BL	PB164312BL	BF139991.D	24 Oct 2024 10:23		RC/JU	Ok
4	PB164312BS	PB164312BS	BF139992.D	24 Oct 2024 10:52		RC/JU	Ok,M
5	PB164315BL	PB164315BL	BF139993.D	24 Oct 2024 11:20		RC/JU	Ok
6	PB164315BS	PB164315BS	BF139994.D	24 Oct 2024 11:49		RC/JU	Ok,M
7	PB164301TB	PB164301TB	BF139995.D	24 Oct 2024 12:17		RC/JU	Ok
8	PB163997BS	PB163997BS	BF139996.D	24 Oct 2024 12:53		RC/JU	Ok,M
9	PB164208BS	PB164208BS	BF139997.D	24 Oct 2024 13:21		RC/JU	Ok,M
10	PB164338BL	PB164338BL	BF139998.D	24 Oct 2024 13:50		RC/JU	Ok
11	PB164338BS	PB164338BS	BF139999.D	24 Oct 2024 14:19		RC/JU	Ok,M
12	DFTPP	DFTPP	BF140000.D	24 Oct 2024 14:47		RC/JU	Ok
13	SSTDCCC040	SSTDCCC040	BF140001.D	24 Oct 2024 15:16		RC/JU	Ok,M
14	PB164261TB	PB164261TB	BF140002.D	24 Oct 2024 15:44		RC/JU	Ok
15	P4489-01DL	RT-2675DL	BF140003.D	24 Oct 2024 16:19	Internal Standard Fail	RC/JU	Ok
16	P4467-01MS	TP-1MS	BF140004.D	24 Oct 2024 16:48		RC/JU	Ok,M
17	P4467-01MSD	TP-1MSD	BF140005.D	24 Oct 2024 17:17		RC/JU	Ok,M
18	P4460-03MS	WB-303-BOTMS	BF140006.D	24 Oct 2024 17:45		RC/JU	Ok,M

Alliance TECHNICAL GROUP
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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4460-03MSD	WB-303-BOTMSD	BF140007.D	24 Oct 2024 18:14		RC/JU	Ok,M
20	P4467-04	TP-1	BF140008.D	24 Oct 2024 18:42		RC/JU	Ok
21	P4472-08	BP-F-6	BF140009.D	24 Oct 2024 19:11		RC/JU	Ok
22	P4460-03	WB-303-BOT	BF140010.D	24 Oct 2024 19:39	Internal Standrad Fail	RC/JU	ReRun
23	P4471-01	B-180-SB01	BF140011.D	24 Oct 2024 20:08		RC/JU	Ok
24	P4471-02	B-180-SB02	BF140012.D	24 Oct 2024 20:36	Internal Standrad Fail	RC/JU	ReRun
25	P4467-01	TP-1	BF140013.D	24 Oct 2024 21:04	Internal Standrad Fail	RC/JU	ReRun
26	P4460-04	WB-303-BOT	BF140014.D	24 Oct 2024 21:33	Internal Standrad Fail	RC/JU	ReRun
27	P4468-01	ETGI-331	BF140015.D	24 Oct 2024 22:01	Internal Standrad Fail	RC/JU	ReRun
28	P4485-01	D20241001-01-04	BF140016.D	24 Oct 2024 22:29	Internal Standrad Fail	RC/JU	ReRun
29	P4487-01	BP-B5	BF140017.D	24 Oct 2024 22:58	Internal Standrad Fail	RC/JU	ReRun
30	P4487-05	BP-F27	BF140018.D	24 Oct 2024 23:26	Internal Standrad Fail	RC/JU	Ok
31	P4487-05MS	BP-F27MS	BF140019.D	24 Oct 2024 23:54	Internal Standrad Fail	RC/JU	Ok,M
32	P4487-05MSD	BP-F27MSD	BF140020.D	25 Oct 2024 00:22	Internal Standrad Fail	RC/JU	Ok,M
33	P4485-02	D20241001-01-04	BF140021.D	25 Oct 2024 00:50	Internal Standrad Fail	RC/JU	ReRun
34	P4512-03	VNJ-212	BF140022.D	25 Oct 2024 01:19	Internal Standrad Fail	RC/JU	ReRun
35	P4470-01	CL-01-102124	BF140023.D	25 Oct 2024 01:46		RC/JU	Ok
36	P4472-05	BP-F-6	BF140024.D	25 Oct 2024 02:14	Internal Standrad Fail	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102624

Review By	yogesh	Review On	10/29/2024 1:34:36 AM		
Supervise By	mohammad	Supervise On	10/29/2024 1:38:32 AM		
SubDirectory	BF102624	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/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	BF140049.D	26 Oct 2024 10:10		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140050.D	26 Oct 2024 10:38		RC/JU	Ok,M
3	PB164401BL	PB164401BL	BF140051.D	26 Oct 2024 11:06		RC/JU	Ok
4	PB164401BS	PB164401BS	BF140052.D	26 Oct 2024 11:34		RC/JU	Ok,M
5	P4508-09	BP-F22	BF140053.D	26 Oct 2024 12:06		RC/JU	Ok
6	P4508-09MS	BP-F22MS	BF140054.D	26 Oct 2024 12:34		RC/JU	Ok,M
7	P4508-09MSD	BP-F22MSD	BF140055.D	26 Oct 2024 13:02		RC/JU	Ok,M
8	P4547-05	BP-F-20	BF140056.D	26 Oct 2024 13:30		RC/JU	Ok
9	P4547-05MS	BP-F-20MS	BF140057.D	26 Oct 2024 13:58		RC/JU	Ok,M
10	P4547-05MSD	BP-F-20MSD	BF140058.D	26 Oct 2024 14:27		RC/JU	Ok,M
11	P4508-05	BP-F23	BF140059.D	26 Oct 2024 14:55		RC/JU	Ok
12	P4517-07	FOREST-ST-CO	BF140060.D	26 Oct 2024 15:23		RC/JU	Ok
13	P4487-08	BP-B27	BF140061.D	26 Oct 2024 15:51		RC/JU	Ok
14	P4460-04	WB-303-BOT	BF140062.D	26 Oct 2024 16:20		RC/JU	Ok
15	P4460-03	WB-303-BOT	BF140063.D	26 Oct 2024 16:48		RC/JU	Ok
16	P4471-02	B-180-SB02	BF140064.D	26 Oct 2024 17:16		RC/JU	Ok
17	P4508-12	BP-F22	BF140065.D	26 Oct 2024 17:44		RC/JU	Ok
18	P4508-04	TP-3	BF140066.D	26 Oct 2024 18:12		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102624

Review By	yogesh	Review On	10/29/2024 1:34:36 AM		
Supervise By	mohammad	Supervise On	10/29/2024 1:38:32 AM		
SubDirectory	BF102624	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4508-08	BP-F23	BF140067.D	26 Oct 2024 18:40		RC/JU	Ok
20	P4460-02	WB-303-TOP	BF140068.D	26 Oct 2024 19:09		RC/JU	Ok,M
21	P4547-01	BP-F-21	BF140069.D	26 Oct 2024 19:37		RC/JU	Ok
22	P4508-01	TP-3	BF140070.D	26 Oct 2024 20:05		RC/JU	Ok
23	P4545-01	VNJ-215	BF140071.D	26 Oct 2024 20:33		RC/JU	Ok,M
24	P4509-01	AU-06-10232024	BF140072.D	26 Oct 2024 21:01		RC/JU	Ok,M
25	P4531-01	OR-03-102424	BF140073.D	26 Oct 2024 21:29		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164261

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 10/18/2024 **Time :** 17:00

End Prep Date : 10/19/2024 **Time :** 10:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	N/A
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Tumbler T-1 CHECKED,30 RPM. Particle size reduction is not required. p4460-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 0810	JP TCLP Room	JPP EXT
	Preparation Group	Analysis Group VOA PIG

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164261

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4397-06	WB-301-BOT	01	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4443-05	OG-315-HR-502-COMP-29	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P4443-10	OG-315-HR-502-COMP-30	03	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4458-02	280517	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4460-04	WB-303-BOT	05	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
PB164261TB	LEB261	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4397-06	WB-301-BOT	N/A	N/A	N/A	N/A	100	N/A
P4443-05	OG-315-HR-502-COMP-29	N/A	N/A	N/A	N/A	100	N/A
P4443-10	OG-315-HR-502-COMP-30	N/A	N/A	N/A	N/A	100	N/A
P4458-02	280517	N/A	N/A	N/A	N/A	100	N/A
P4460-04	WB-303-BOT	N/A	N/A	N/A	N/A	100	N/A
PB164261TB	LEB261	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB164261

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4397-06	WB-301-BOT	5.02	96.5	7.4	2.5	#1	4.93
P4443-05	OG-315-HR-502-COMP-29	5.03	96.5	7.6	2.5	#1	4.93
P4443-10	OG-315-HR-502-COMP-30	5.02	96.5	6.0	2.0	#1	4.93
P4458-02	280517	5.01	96.5	7.6	2.5	#1	4.93
P4460-04	WB-303-BOT	5.02	96.5	8.4	3.0	#1	4.93
PB164261TB	LEB261	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP P4397 **WorkList ID :** 184595 **Department :** TCLP Extraction **Date :** 10-18-2024 14:05:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4397-06	WB-301-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06		10/10/2024	1311
P4443-05	OG-315-HR-502-COMP-29	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311
P4443-10	OG-315-HR-502-COMP-30	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311
P4458-02	280517	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/18/2024	1311
P4460-04	WB-303-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06	K51	10/18/2024	1311

Date/Time 10.18.24 16:20
Raw Sample Received by: JQ WDC
Raw Sample Relinquished by: CP SR

Date/Time 10.18.24 18:30
Raw Sample Received by: SR
Raw Sample Relinquished by: JQ WDC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164315

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/22/2024
Matrix :	Water			**Extraction Start Time :**	10:30
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	10/22/2024
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	15:25
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	4,5,6,7	**Supervisor By :**	rajesh

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	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
Methylene Chloride	N/A	E3817
Baked Na2SO4	N/A	EP2551
10N NaoH	N/A	EP2550
H2SO4 1:1	N/A	EP2548
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH.

KD Bath ID:	Water bath -01,02	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/24	RP (Ext. Lab)	AC/SVOC
15:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164315

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 10/22/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164261TB	PB164261TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB164301TB	PB164301TB	TCLP BNA	100	6	RUPESH	ritesh	1			2
PB164315BL	PB164315BL	TCLP BNA	1000	6	RUPESH	ritesh	1			3
PB164315BS	PB164315BS	TCLP BNA	1000	6	RUPESH	ritesh	1			4
P4397-06	WB-301-BOT	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
P4397-06MS	WB-301-BOTMS	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
P4397-06MSD	WB-301-BOTMSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
P4443-05	OG-315-HR-502-COMP-29	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
P4443-10	OG-315-HR-502-COMP-30	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
P4458-02	280517	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
P4460-04	WB-303-BOT	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
P4467-04	TP-1	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
P4468-04	ETGI-329	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
P4468-06	ETGI-345	TCLP BNA	100	6	RUPESH	ritesh	1	A		14
P4472-04	BP-F-28	TCLP BNA	100	6	RUPESH	ritesh	1	A		15
P4472-08	BP-F-6	TCLP BNA	100	6	RUPESH	ritesh	1	A		16

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

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164261

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep P
P4397-06	WB-301-BOT	01	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-
P4443-05	OG-315-HR-502-COMP-29	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-
P4443-10	OG-315-HR-502-COMP-30	03	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-
P4458-02	280517	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-
P4460-04	WB-303-BOT	05	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-
PB164261TB	LEB261	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-

10/21/2024

08:00

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164301

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Pr... Pc...
P4467-04	TP-1	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
P4468-02	ETGI-331	02	100.03	2000	N/A	N/A	N/A	10.5	1.0	T-1
P4468-04	ETGI-329	03	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4468-06	ETGI-345	04	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4472-04	BP-F-28	05	100.03	2000	N/A	N/A	N/A	7.0	1.0	T-1
P4472-08	BP-F-6	06	100.04	2000	N/A	N/A	N/A	6.2	1.5	T-1
PB164301TB	LEB301	07	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

10/22/2024
20:00

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

LAB CHRONICLE

OrderID:	P4460	**OrderDate:**	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	**WB-303-TOP**	**SOIL**			**10/18/24**			**10/18/24**
			SVOC-TCL BNA -20	8270E		10/21/24	10/26/24	
P4460-03	**WB-303-BOT**	**SOIL**			**10/18/24**			**10/18/24**
			SVOC-TCL BNA -20	8270E		10/21/24	10/26/24	
P4460-04	**WB-303-BOT**	**TCLP**			**10/18/24**			**10/18/24**
			TCLP BNA	8270E		10/22/24	10/26/24	
P4460-06	**WB-303-SW**	**Water**			**10/18/24**			**10/18/24**
			SVOC-TCL BNA -20	8270E		10/23/24	10/25/24	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4460 **Order ID:** P4460

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-04	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092608.D	1	10/22/24 10:10	10/24/24 14:30	PB164360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.3		30 (43) - 150 (140)	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		30 (77) - 150 (126)	98%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/22/24
Client Sample ID:	PB164261TB	SDG No.:	P4460
Lab Sample ID:	PB164261TB	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092604.D	1	10/22/24 10:10	10/24/24 13:36	PB164360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		30 (43) - 150 (140)	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		30 (77) - 150 (126)	96%	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
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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

QC SUMMARY

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

Surrogate Summary

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092494.D	PIBLK-PL092494.D	Decachlorobiphenyl	1	20	21.5	107		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.0	110		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.4	107		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.0	100		30 (77)	150 (126)
I.BLK-PL092589.D	PIBLK-PL092589.D	Decachlorobiphenyl	1	20	21.0	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.0	100		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.3	116		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.0	105		30 (77)	150 (126)
PB164360BL	PB164360BL	Decachlorobiphenyl	1	20	19.8	99		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.6	93		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.0	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.5	98		30 (77)	150 (126)
PB164261TB	PB164261TB	Decachlorobiphenyl	1	20	19.9	100		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.3	91		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.6	108		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.1	96		30 (77)	150 (126)
P4397-06MS	WB-301-BOTMS	Decachlorobiphenyl	1	20	19.4	97		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	15.9	80		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.9	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	16.3	82		30 (77)	150 (126)
P4397-06MSD	WB-301-BOTMSD	Decachlorobiphenyl	1	20	19.9	100		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	16.5	83		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.6	108		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	16.5	83		30 (77)	150 (126)
P4460-04	WB-303-BOT	Decachlorobiphenyl	1	20	21.0	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.5	93		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.3	117		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.5	98		30 (77)	150 (126)
I.BLK-PL092612.D	PIBLK-PL092612.D	Decachlorobiphenyl	1	20	22.3	111		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.4	107		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.4	117		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	22.1	111		30 (77)	150 (126)
I.BLK-PL092637.D	PIBLK-PL092637.D	Decachlorobiphenyl	1	20	22.1	110		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.9	100		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	24.4	122		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.6	108		30 (77)	150 (126)
PB164360BS	PB164360BS	Decachlorobiphenyl	1	20	17.7	88		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	15.7	79		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.5	97		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	16.3	81		30 (77)	150 (126)
I.BLK-PL092649.D	PIBLK-PL092649.D	Decachlorobiphenyl	1	20	21.2	106		30 (43)	150 (140)

( ) = LABORATORY INHOUSE LIMIT

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

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092649.D	PIBLK-PL092649.D	Tetrachloro-m-xylene	1	20	20.0	100		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.2	111		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.4	107		30 (77)	150 (126)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8081B **DataFile :** PL092606.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:	**WB-301-BOTMS**											
P4397-06MS	gamma-BHC (Lindane)	5	0	4.80	ug/L	96				30 (60)	150 (152)	
	Heptachlor	5	0	5.20	ug/L	104				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.00	ug/L	100				30 (77)	150 (143)	
	Endrin	5	0	4.80	ug/L	96				30 (76)	150 (144)	
	Methoxychlor	5	0	5.20	ug/L	104				30 (70)	150 (142)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8081B **DataFile :** PL092607.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:	**WB-301-BOTMSD**											
P4397-06MSD	gamma-BHC (Lindane)	5	0	4.90	ug/L	98		2		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	5.30	ug/L	106		2		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.10	ug/L	102		2		30 (77)	150 (143)	20 (20)
	Endrin	5	0	5.00	ug/L	100		4		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	5.30	ug/L	106		2		30 (70)	150 (142)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8081B **Datafile :** PL092642.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164360BS	gamma-BHC (Lindane)	0.5	0.47	ug/L	93				40 (82)	140 (129)	
	Heptachlor	0.5	0.48	ug/L	95				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.49	ug/L	98				40 (81)	140 (124)	
	Endrin	0.5	0.46	ug/L	93				40 (81)	140 (128)	
	Methoxychlor	0.5	0.52	ug/L	103				40 (78)	140 (108)	

( ) = LABORATORY INHOUSE LIMIT

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164360BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: PB164360BL Lab File ID: PL092602.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 10/22/2024

Date Analyzed (1): 10/24/2024 Date Analyzed (2): 10/24/2024

Time Analyzed (1): 13:09 Time Analyzed (2): 13:09

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
PB164261TB	PB164261TB	PL092604.D	10/24/2024	10/24/2024
WB-301-BOTMS	P4397-06MS	PL092606.D	10/24/2024	10/24/2024
WB-301-BOTMSD	P4397-06MSD	PL092607.D	10/24/2024	10/24/2024
WB-303-BOT	P4460-04	PL092608.D	10/24/2024	10/24/2024
PB164360BS	PB164360BS	PL092642.D	10/25/2024	10/25/2024

COMMENTS:

QC SAMPLE DATA

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164360BL	SDG No.:	P4460
Lab Sample ID:	PB164360BL	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092602.D	1	10/22/24 10:10	10/24/24 13:09	PB164360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.0		30 (43) - 150 (140)	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		30 (77) - 150 (126)	98%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/21/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	PIBLK-PL092494.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PL092494.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092494.D	1		10/21/24	PL102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.5		30 (43) - 150 (140)	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		30 (77) - 150 (126)	110%	SPK: 20

Comments:

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Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/24/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/24/24
Client Sample ID:	PIBLK-PL092589.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PL092589.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092589.D	1		10/24/24	PL102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.3		30 (43) - 150 (140)	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		30 (77) - 150 (126)	105%	SPK: 20

Comments:

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/24/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/24/24
Client Sample ID:	PIBLK-PL092612.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PL092612.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092612.D	1		10/24/24	PL102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.4		30 (43) - 150 (140)	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		30 (77) - 150 (126)	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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	PIBLK-PL092637.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PL092637.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092637.D	1		10/25/24	PL102624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.4		30 (43) - 150 (140)	122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		30 (77) - 150 (126)	108%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	PIBLK-PL092649.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PL092649.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092649.D	1		10/25/24	PL102624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
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
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		30 (43) - 150 (140)	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		30 (77) - 150 (126)	107%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164360BS	SDG No.:	P4460
Lab Sample ID:	PB164360BS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092642.D	1	10/22/24 10:10	10/25/24 17:35	PB164360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.47		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.48		0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.49		0.0090	0.050	ug/L
72-20-8	Endrin	0.46		0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.52		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.5		30 (43) - 150 (140)	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.3		30 (77) - 150 (126)	81%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4397-06MS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092606.D	1	10/22/24 10:10	10/24/24 14:03	PB164360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	4.80		0.049	0.50	ug/L
76-44-8	Heptachlor	5.20		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.00		0.090	0.50	ug/L
72-20-8	Endrin	4.80		0.043	0.50	ug/L
72-43-5	Methoxychlor	5.20		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.9		30 (43) - 150 (140)	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.3		30 (77) - 150 (126)	82%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMSD	SDG No.:	P4460
Lab Sample ID:	P4397-06MSD	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092607.D	1	10/22/24 10:10	10/24/24 14:16	PB164360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	4.90		0.049	0.50	ug/L
76-44-8	Heptachlor	5.30		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.10		0.090	0.50	ug/L
72-20-8	Endrin	5.00		0.043	0.50	ug/L
72-43-5	Methoxychlor	5.30		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		30 (43) - 150 (140)	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.5		30 (77) - 150 (126)	83%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: RT 100 = PL092497.D RT 075 = PL092498.D

RT 050 = PL092499.D RT 025 = PL092500.D RT 005 = PL092501.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	9.06	9.06	9.06	9.05	9.06	9.06	8.96	9.16
Endrin	6.57	6.58	6.57	6.57	6.57	6.57	6.47	6.67
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.68	5.68	5.68	5.68	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: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: RT 100 = PL092497.D RT 075 = PL092498.D

RT 050 = PL092499.D RT 025 = PL092500.D RT 005 = PL092501.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
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	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
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: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: **CF 100 =** PL092497.D **CF 075 =** PL092498.D

CF 050 = PL092499.D **CF 025 =** PL092500.D **CF 005 =** PL092501.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	1893630000	1911900000	1968460000	2071700000	2310050000	2031150000	8
Endrin	2580620000	2625010000	2734790000	2924540000	3253750000	2823740000	10
gamma-BHC (Lindane)	3651940000	3672710000	3751070000	3836830000	4321280000	3846770000	7
Heptachlor	3266860000	3307900000	3429100000	3569740000	4155000000	3545720000	10
Heptachlor epoxide	3004670000	3040630000	3248410000	3443240000	3866730000	3320740000	11
Methoxychlor	1148350000	1158380000	1214430000	1185540000	1181850000	1177710000	2
Tetrachloro-m-xylene	2537390000	2552890000	2586960000	2724730000	3067200000	2693840000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024

Calibration Times: 13:00 13:53

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

LAB FILE ID: **CF 100 =** PL092497.D **CF 075 =** PL092498.D

CF 050 = PL092499.D **CF 025 =** PL092500.D **CF 005 =** PL092501.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2533020000	2508980000	2598990000	2640650000	2893220000	2634970000	6
Endrin	3096230000	3113840000	3236910000	3364340000	3563230000	3274910000	6
gamma-BHC (Lindane)	4098710000	4055410000	4107080000	4122620000	4206290000	4118020000	1
Heptachlor	3908940000	3891170000	3959270000	3983440000	4335990000	4015760000	5
Heptachlor epoxide	3409250000	3412120000	3473550000	3502030000	3820750000	3523540000	5
Methoxychlor	1383990000	1380180000	1398790000	1408970000	1517400000	1417870000	4
Tetrachloro-m-xylene	2710240000	2704020000	2735270000	2751220000	2986460000	2777440000	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_L **Date(s) Analyzed:** 10/21/2024 10/21/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	4.70	4.60	4.80	131573000
		2	5.23	5.13	5.33	132167000
		3	5.94	5.84	6.04	463083000
		4	6.02	5.92	6.12	554260000
		5	6.87	6.77	6.97	113944000
Toxaphene	500	1	6.24	6.14	6.34	26646900
		2	6.44	6.34	6.54	15596100
		3	7.06	6.96	7.16	86692500
		4	7.15	7.05	7.25	69480900
		5	7.94	7.84	8.04	48743400

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_L **Date(s) Analyzed:** 10/21/2024 10/21/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	3.78	3.68	3.88	116522000
		2	4.35	4.25	4.45	143580000
		3	4.98	4.88	5.08	384632000
		4	5.05	4.95	5.15	372850000
		5	5.94	5.84	6.04	146962000
Toxaphene	500	1	5.01	4.91	5.11	24468000
		2	5.33	5.23	5.43	24010200
		3	6.61	6.51	6.71	70676500
		4	6.73	6.63	6.83	82521800
		5	7.05	6.95	7.15	83166000

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 10:19 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	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
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 10:19 **Initial Calibration Time(s):** 13:00 13:53

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
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/24/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092591.D **Time Analyzed:** 10:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.057	8.955	9.155	51.250	50.000	2.5
Endrin	6.576	6.474	6.674	44.700	50.000	-10.6
gamma-BHC (Lindane)	4.330	4.227	4.427	48.930	50.000	-2.1
Heptachlor	4.918	4.815	5.015	47.520	50.000	-5.0
Heptachlor epoxide	5.684	5.583	5.783	46.660	50.000	-6.7
Methoxychlor	7.501	7.400	7.600	51.960	50.000	3.9
Tetrachloro-m-xylene	3.541	3.438	3.638	51.820	50.000	3.6

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/24/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092591.D **Time Analyzed:** 10:19

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.817	8.017	58.240	50.000	16.5
Endrin	5.643	5.541	5.741	53.080	50.000	6.2
gamma-BHC (Lindane)	3.612	3.510	3.710	56.090	50.000	12.2
Heptachlor	3.951	3.849	4.049	56.020	50.000	12.0
Heptachlor epoxide	4.733	4.631	4.831	55.710	50.000	11.4
Methoxychlor	6.616	6.515	6.715	58.450	50.000	16.9
Tetrachloro-m-xylene	2.779	2.677	2.877	56.670	50.000	13.3

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 17:20 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.55	3.54	3.44	3.64	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 17:20 **Initial Calibration Time(s):** 13:00 13:53

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
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.74	4.73	4.63	4.83	-0.01
Endrin	5.65	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/24/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092613.D **Time Analyzed:** 17:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.061	8.955	9.155	49.250	50.000	-1.5
Endrin	6.582	6.474	6.674	42.050	50.000	-15.9
gamma-BHC (Lindane)	4.335	4.227	4.427	46.560	50.000	-6.9
Heptachlor	4.922	4.815	5.015	45.870	50.000	-8.3
Heptachlor epoxide	5.690	5.583	5.783	43.230	50.000	-13.5
Methoxychlor	7.506	7.400	7.600	51.180	50.000	2.4
Tetrachloro-m-xylene	3.547	3.438	3.638	49.340	50.000	-1.3

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/24/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092613.D **Time Analyzed:** 17:20

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.920	7.817	8.017	53.280	50.000	6.6
Endrin	5.645	5.541	5.741	51.590	50.000	3.2
gamma-BHC (Lindane)	3.613	3.510	3.710	53.810	50.000	7.6
Heptachlor	3.952	3.849	4.049	53.550	50.000	7.1
Heptachlor epoxide	4.735	4.631	4.831	53.230	50.000	6.5
Methoxychlor	6.619	6.515	6.715	56.150	50.000	12.3
Tetrachloro-m-xylene	2.779	2.677	2.877	54.610	50.000	9.2

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 15:49 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	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
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 15:49 **Initial Calibration Time(s):** 13:00 13:53

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
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/25/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092639.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.057	8.955	9.155	51.240	50.000	2.5
Endrin	6.577	6.474	6.674	43.260	50.000	-13.5
gamma-BHC (Lindane)	4.330	4.227	4.427	47.880	50.000	-4.2
Heptachlor	4.917	4.815	5.015	46.560	50.000	-6.9
Heptachlor epoxide	5.685	5.583	5.783	45.530	50.000	-8.9
Methoxychlor	7.501	7.400	7.600	51.890	50.000	3.8
Tetrachloro-m-xylene	3.541	3.438	3.638	50.750	50.000	1.5

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/25/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092639.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.817	8.017	58.290	50.000	16.6
Endrin	5.643	5.541	5.741	53.930	50.000	7.9
gamma-BHC (Lindane)	3.612	3.510	3.710	55.850	50.000	11.7
Heptachlor	3.951	3.849	4.049	54.990	50.000	10.0
Heptachlor epoxide	4.734	4.631	4.831	54.980	50.000	10.0
Methoxychlor	6.617	6.515	6.715	57.220	50.000	14.4
Tetrachloro-m-xylene	2.779	2.677	2.877	56.350	50.000	12.7

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 19:49 **Initial Calibration Time(s):** 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	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
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/21/2024 10/21/2024

Continuing Calib Time: 19:49 **Initial Calibration Time(s):** 13:00 13:53

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
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/25/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092650.D **Time Analyzed:** 19:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.058	8.955	9.155	49.750	50.000	-0.5
Endrin	6.577	6.474	6.674	41.530	50.000	-16.9
gamma-BHC (Lindane)	4.330	4.227	4.427	46.750	50.000	-6.5
Heptachlor	4.918	4.815	5.015	45.090	50.000	-9.8
Heptachlor epoxide	5.686	5.583	5.783	43.960	50.000	-12.1
Methoxychlor	7.501	7.400	7.600	49.670	50.000	-0.7
Tetrachloro-m-xylene	3.541	3.438	3.638	49.590	50.000	-0.8

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/25/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092650.D **Time Analyzed:** 19:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.817	8.017	54.870	50.000	9.7
Endrin	5.644	5.541	5.741	51.490	50.000	3.0
gamma-BHC (Lindane)	3.612	3.510	3.710	54.770	50.000	9.5
Heptachlor	3.951	3.849	4.049	53.610	50.000	7.2
Heptachlor epoxide	4.734	4.631	4.831	54.180	50.000	8.4
Methoxychlor	6.617	6.515	6.715	53.570	50.000	7.1
Tetrachloro-m-xylene	2.779	2.677	2.877	55.300	50.000	10.6

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092495.D **Date Analyzed:** 10/21/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:33

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.960	9.160	19.690	20.000	-1.6
Tetrachloro-m-xylene	3.539	3.490	3.590	19.690	20.000	-1.6
alpha-BHC	3.995	3.940	4.050	10.390	10.000	3.9
beta-BHC	4.525	4.470	4.580	9.750	10.000	-2.5
gamma-BHC (Lindane)	4.327	4.280	4.380	9.890	10.000	-1.1
Endrin	6.575	6.500	6.650	44.220	50.000	-11.6
4,4'-DDT	7.025	6.950	7.100	91.010	100.000	-9.0
Methoxychlor	7.501	7.430	7.570	222.860	250.000	-10.9

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092495.D **Date Analyzed:** 10/21/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:33

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	19.360	20.000	-3.2
Tetrachloro-m-xylene	2.777	2.730	2.830	19.090	20.000	-4.6
alpha-BHC	3.280	3.230	3.330	9.580	10.000	-4.2
beta-BHC	3.910	3.860	3.960	11.410	10.000	14.1
gamma-BHC (Lindane)	3.610	3.560	3.660	9.570	10.000	-4.3
Endrin	5.642	5.570	5.710	45.220	50.000	-9.6
4,4'-DDT	6.041	5.970	6.110	97.030	100.000	-3.0
Methoxychlor	6.616	6.550	6.690	226.150	250.000	-9.5

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092590.D **Date Analyzed:** 10/24/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:06

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.058	8.960	9.160	19.320	20.000	-3.4
Tetrachloro-m-xylene	3.541	3.490	3.590	19.300	20.000	-3.5
alpha-BHC	3.997	3.950	4.050	9.060	10.000	-9.4
beta-BHC	4.527	4.480	4.580	10.490	10.000	4.9
gamma-BHC (Lindane)	4.329	4.280	4.380	9.110	10.000	-8.9
Endrin	6.577	6.510	6.650	36.800	50.000	-26.4
4,4'-DDT	7.026	6.960	7.100	80.280	100.000	-19.7
Methoxychlor	7.503	7.430	7.570	215.310	250.000	-13.9

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092590.D **Date Analyzed:** 10/24/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:06

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	21.540	20.000	7.7
Tetrachloro-m-xylene	2.779	2.730	2.830	19.600	20.000	-2.0
alpha-BHC	3.282	3.230	3.330	9.140	10.000	-8.6
beta-BHC	3.911	3.860	3.960	10.700	10.000	7.0
gamma-BHC (Lindane)	3.612	3.560	3.660	8.890	10.000	-11.1
Endrin	5.643	5.570	5.710	43.270	50.000	-13.5
4,4'-DDT	6.041	5.970	6.110	98.890	100.000	-1.1
Methoxychlor	6.616	6.550	6.690	247.330	250.000	-1.1

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092638.D **Date Analyzed:** 10/25/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	19.520	20.000	-2.4
Tetrachloro-m-xylene	3.542	3.490	3.590	18.900	20.000	-5.5
alpha-BHC	3.998	3.950	4.050	8.890	10.000	-11.1
beta-BHC	4.528	4.480	4.580	10.650	10.000	6.5
gamma-BHC (Lindane)	4.330	4.280	4.380	8.960	10.000	-10.4
Endrin	6.576	6.510	6.650	36.770	50.000	-26.5
4,4'-DDT	7.027	6.960	7.100	77.380	100.000	-22.6
Methoxychlor	7.503	7.430	7.570	208.950	250.000	-16.4

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092638.D **Date Analyzed:** 10/25/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.919	7.820	8.020	21.610	20.000	8.1
Tetrachloro-m-xylene	2.781	2.730	2.830	19.830	20.000	-0.9
alpha-BHC	3.283	3.230	3.330	9.010	10.000	-9.9
beta-BHC	3.913	3.860	3.960	10.290	10.000	2.9
gamma-BHC (Lindane)	3.613	3.560	3.660	8.840	10.000	-11.6
Endrin	5.644	5.570	5.710	44.220	50.000	-11.6
4,4'-DDT	6.042	5.970	6.110	99.500	100.000	-0.5
Methoxychlor	6.617	6.550	6.690	246.500	250.000	-1.4

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Fax : 908 789 8922

Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Project: Amtrak Sawtooth Bridges 2024 **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/21/2024 10/21/2024

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	10/21/2024	12:19	PL092494.D	9.06	3.54
PEM	PEM	10/21/2024	12:33	PL092495.D	9.06	3.54
RESCHK	RESCHK	10/21/2024	12:46	PL092496.D	9.06	3.54
PSTDICC100	PSTDICC100	10/21/2024	13:00	PL092497.D	9.06	3.54
PSTDICC075	PSTDICC075	10/21/2024	13:13	PL092498.D	9.06	3.54
PSTDICC050	PSTDICC050	10/21/2024	13:26	PL092499.D	9.06	3.54
PSTDICC025	PSTDICC025	10/21/2024	13:40	PL092500.D	9.05	3.54
PSTDICC005	PSTDICC005	10/21/2024	13:53	PL092501.D	9.06	3.54
PCHLORICC500	PCHLORICC500	10/21/2024	14:33	PL092504.D	9.06	3.54
PTOXICC500	PTOXICC500	10/21/2024	15:40	PL092509.D	9.06	3.54
I.BLK	I.BLK	10/24/2024	09:53	PL092589.D	9.06	3.54
PEM	PEM	10/24/2024	10:06	PL092590.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/24/2024	10:19	PL092591.D	9.06	3.54
PB164360BL	PB164360BL	10/24/2024	13:09	PL092602.D	9.06	3.54
PB164261TB	PB164261TB	10/24/2024	13:36	PL092604.D	9.06	3.54
WB-301-BOTMS	P4397-06MS	10/24/2024	14:03	PL092606.D	9.06	3.54
WB-301-BOTMSD	P4397-06MSD	10/24/2024	14:16	PL092607.D	9.06	3.54
WB-303-BOT	P4460-04	10/24/2024	14:30	PL092608.D	9.06	3.54
I.BLK	I.BLK	10/24/2024	16:48	PL092612.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/24/2024	17:20	PL092613.D	9.06	3.55
I.BLK	I.BLK	10/25/2024	15:08	PL092637.D	9.06	3.54
PEM	PEM	10/25/2024	15:22	PL092638.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/25/2024	15:49	PL092639.D	9.06	3.54
PB164360BS	PB164360BS	10/25/2024	17:35	PL092642.D	9.06	3.55
I.BLK	I.BLK	10/25/2024	19:09	PL092649.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/25/2024	19:49	PL092650.D	9.06	3.54

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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Project: Amtrak Sawtooth Bridges 2024 **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/21/2024 10/21/2024

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	10/21/2024	12:19	PL092494.D	7.92	2.78
PEM	PEM	10/21/2024	12:33	PL092495.D	7.92	2.78
RESCHK	RESCHK	10/21/2024	12:46	PL092496.D	7.92	2.78
PSTDICC100	PSTDICC100	10/21/2024	13:00	PL092497.D	7.92	2.78
PSTDICC075	PSTDICC075	10/21/2024	13:13	PL092498.D	7.92	2.78
PSTDICC050	PSTDICC050	10/21/2024	13:26	PL092499.D	7.92	2.78
PSTDICC025	PSTDICC025	10/21/2024	13:40	PL092500.D	7.92	2.78
PSTDICC005	PSTDICC005	10/21/2024	13:53	PL092501.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/21/2024	14:33	PL092504.D	7.92	2.78
PTOXICC500	PTOXICC500	10/21/2024	15:40	PL092509.D	7.92	2.78
I.BLK	I.BLK	10/24/2024	09:53	PL092589.D	7.92	2.78
PEM	PEM	10/24/2024	10:06	PL092590.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/24/2024	10:19	PL092591.D	7.92	2.78
PB164360BL	PB164360BL	10/24/2024	13:09	PL092602.D	7.92	2.78
PB164261TB	PB164261TB	10/24/2024	13:36	PL092604.D	7.92	2.78
WB-301-BOTMS	P4397-06MS	10/24/2024	14:03	PL092606.D	7.92	2.78
WB-301-BOTMSD	P4397-06MSD	10/24/2024	14:16	PL092607.D	7.92	2.78
WB-303-BOT	P4460-04	10/24/2024	14:30	PL092608.D	7.92	2.78
I.BLK	I.BLK	10/24/2024	16:48	PL092612.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/24/2024	17:20	PL092613.D	7.92	2.78
I.BLK	I.BLK	10/25/2024	15:08	PL092637.D	7.92	2.78
PEM	PEM	10/25/2024	15:22	PL092638.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/25/2024	15:49	PL092639.D	7.92	2.78
PB164360BS	PB164360BS	10/25/2024	17:35	PL092642.D	7.92	2.78
I.BLK	I.BLK	10/25/2024	19:09	PL092649.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/25/2024	19:49	PL092650.D	7.92	2.78

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164360BS

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Lab Sample ID: PB164360BS **Date(s) Analyzed:** 10/25/2024 10/25/2024

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	7.51	7.46	7.56	0.47	8.6
	2	6.62	6.57	6.67	0.52	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.41	13.1
	2	3.61	3.56	3.66	0.47	
Heptachlor	1	4.92	4.87	4.97	0.41	14.9
	2	3.95	3.90	4.00	0.48	
Heptachlor epoxide	1	5.69	5.64	5.74	0.41	18.3
	2	4.74	4.69	4.79	0.49	
Endrin	1	6.58	6.53	6.63	0.39	18.3
	2	5.65	5.60	5.70	0.46	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-301-BOTMS

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Lab Sample ID: P4397-06MS **Date(s) Analyzed:** 10/24/2024 10/24/2024

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	4.90	5.9
	2	6.62	6.57	6.67	5.20	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.10	15.7
	2	3.61	3.56	3.66	4.80	
Heptachlor	1	4.92	4.87	4.97	4.30	18.9
	2	3.95	3.90	4.00	5.20	
Heptachlor epoxide	1	5.69	5.64	5.74	4.10	19.8
	2	4.73	4.68	4.78	5.00	
Endrin	1	6.58	6.53	6.63	4.00	18.2
	2	5.64	5.59	5.69	4.80	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-301-BOTMSD

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Lab Sample ID: P4397-06MSD **Date(s) Analyzed:** 10/24/2024 10/24/2024

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	5.00	5.8
	2	6.62	6.57	6.67	5.30	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	4.20	15.4
	2	3.61	3.56	3.66	4.90	
Heptachlor	1	4.92	4.87	4.97	4.40	18.6
	2	3.95	3.90	4.00	5.30	
Heptachlor epoxide	1	5.69	5.64	5.74	4.10	21.7
	2	4.73	4.68	4.78	5.10	
Endrin	1	6.58	6.53	6.63	4.10	19.8
	2	5.64	5.59	5.69	5.00	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 14:30
Operator : AR\AJ
Sample : P4460-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WB-303-BOT

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:18:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 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...	3.539	2.777	49824379	54183647	18.496m	19.508m
28)	SA Decachlor...	9.057	7.918	42641777	61406519	20.994	23.304
	Target Compounds						

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

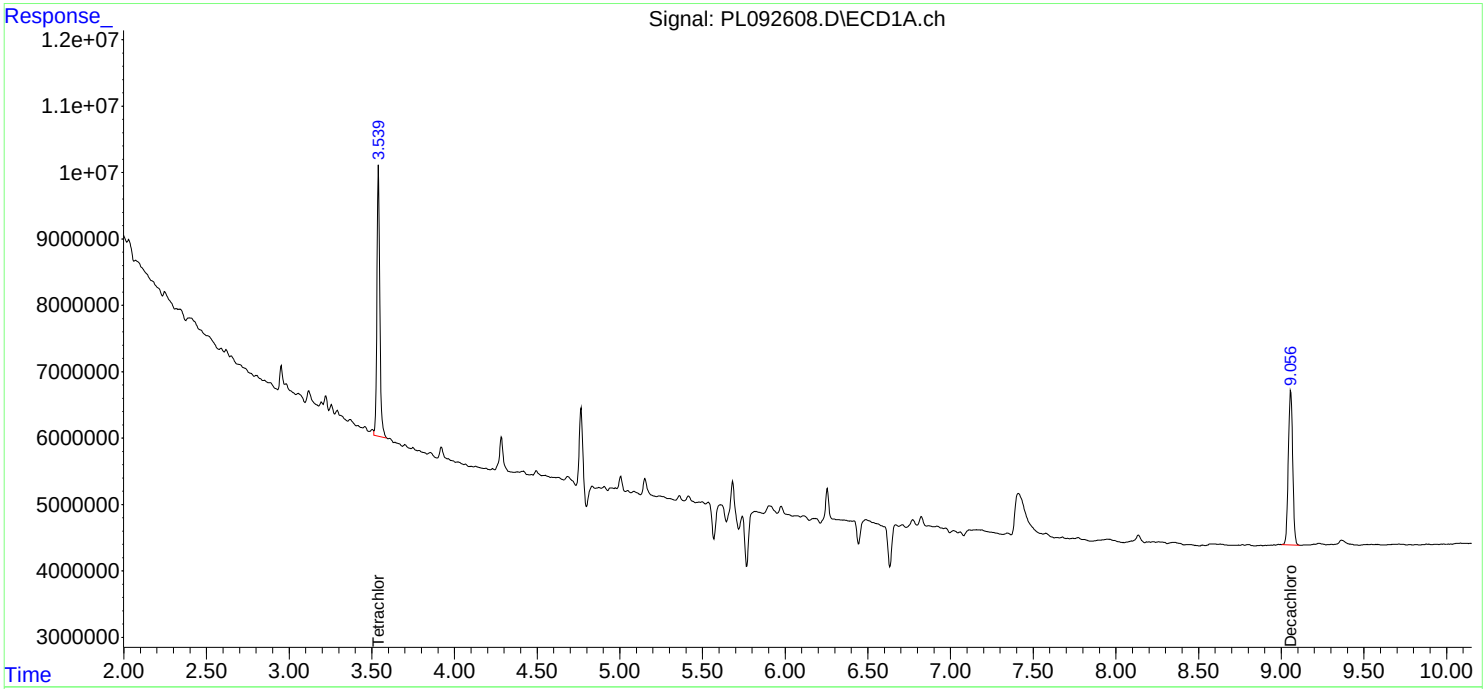
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 14:30
Operator : AR\AJ
Sample : P4460-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

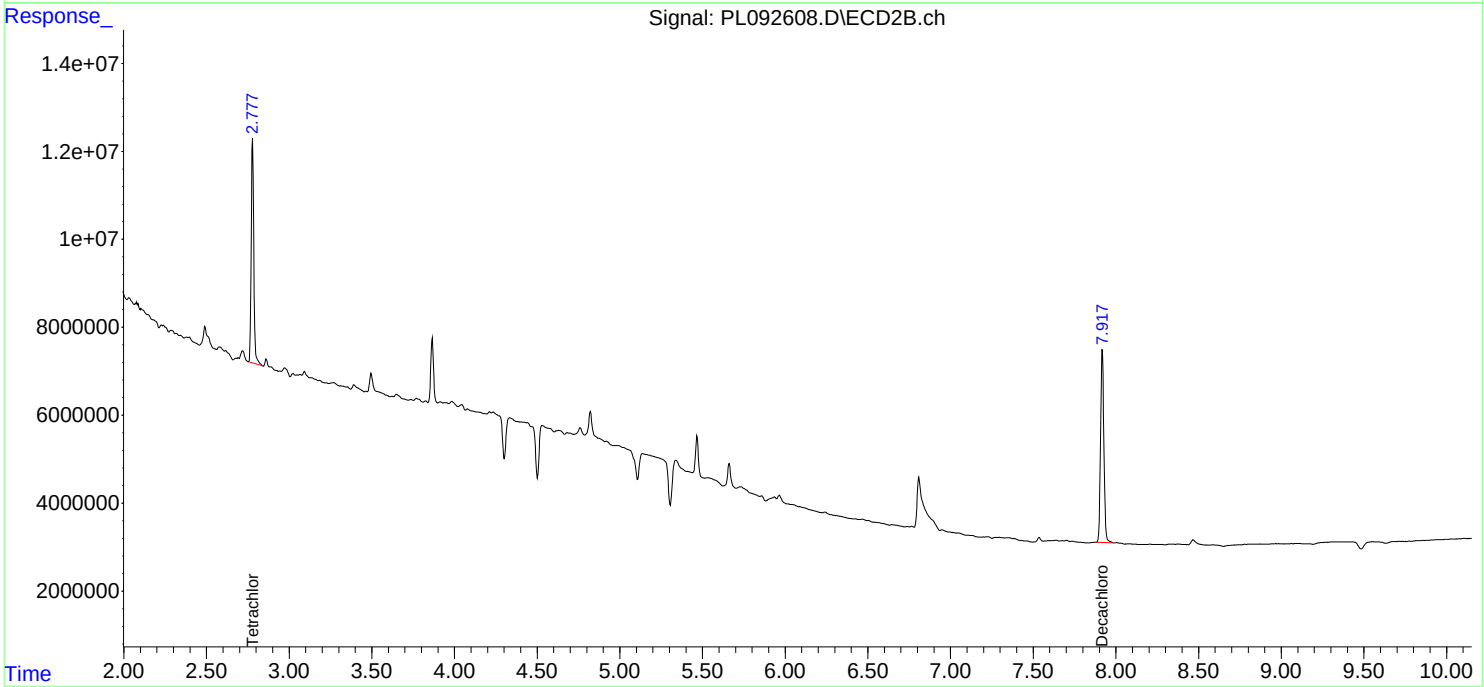
Instrument :
ECD_L
ClientSampleId :
WB-303-BOT

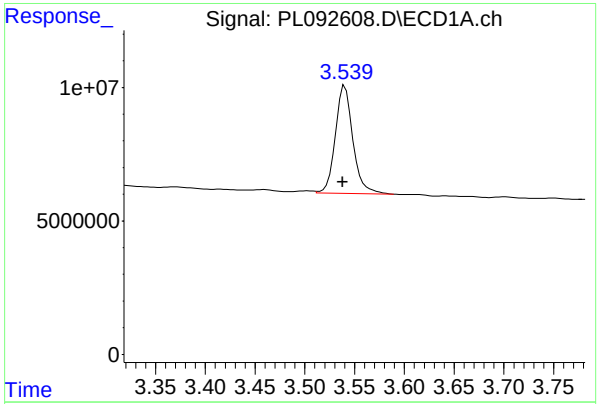
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:18:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 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







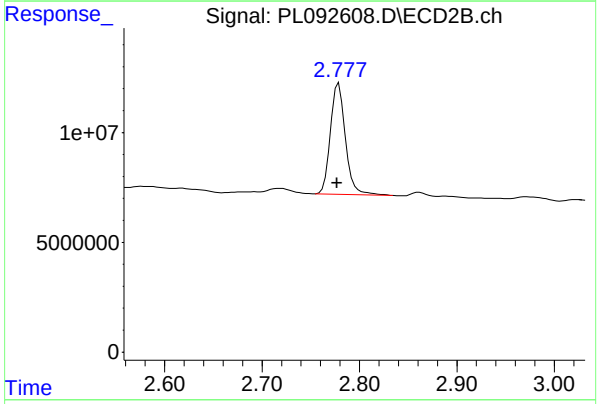
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 mi
Response: 49824379
Conc: 18.50 ng/m

Instrument :
ECD_L
ClientSampleId :
WB-303-BOT

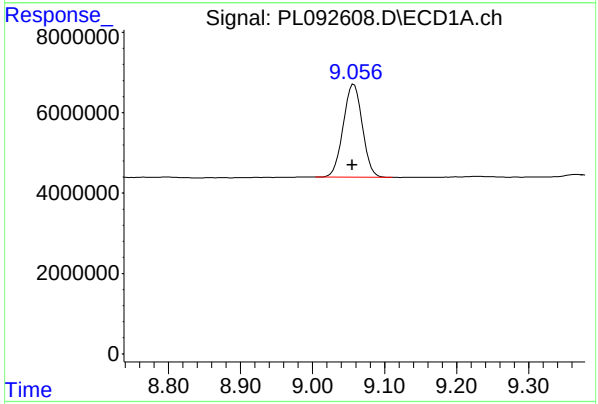
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024



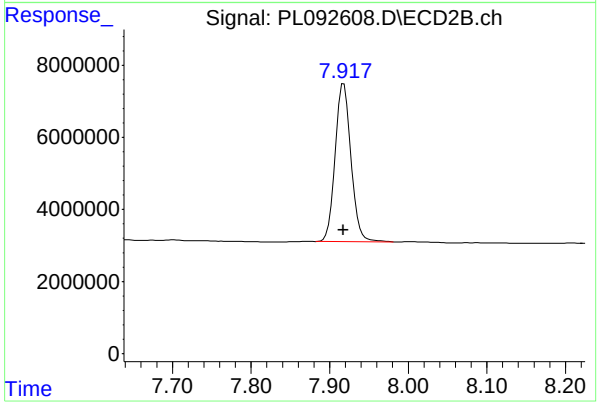
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 54183647
Conc: 19.51 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.002 min
Response: 42641777
Conc: 20.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 61406519
Conc: 23.30 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 13:36
Operator : AR\AJ
Sample : PB164261TB
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164261TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:15:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 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...	3.541	2.779	49274453	53074312	18.292	19.109
28)	SA Decachlor...	9.056	7.918	40501733	56815075	19.940	21.562
	Target Compounds						

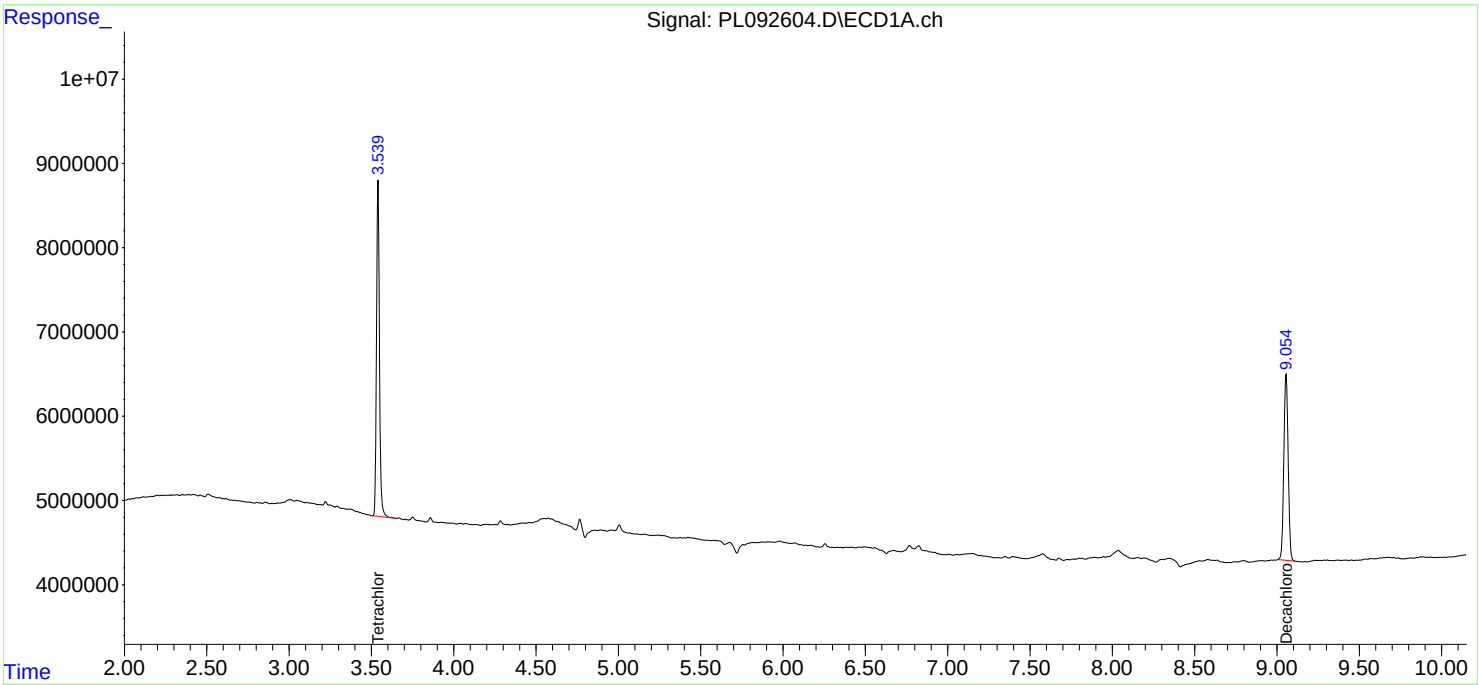
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

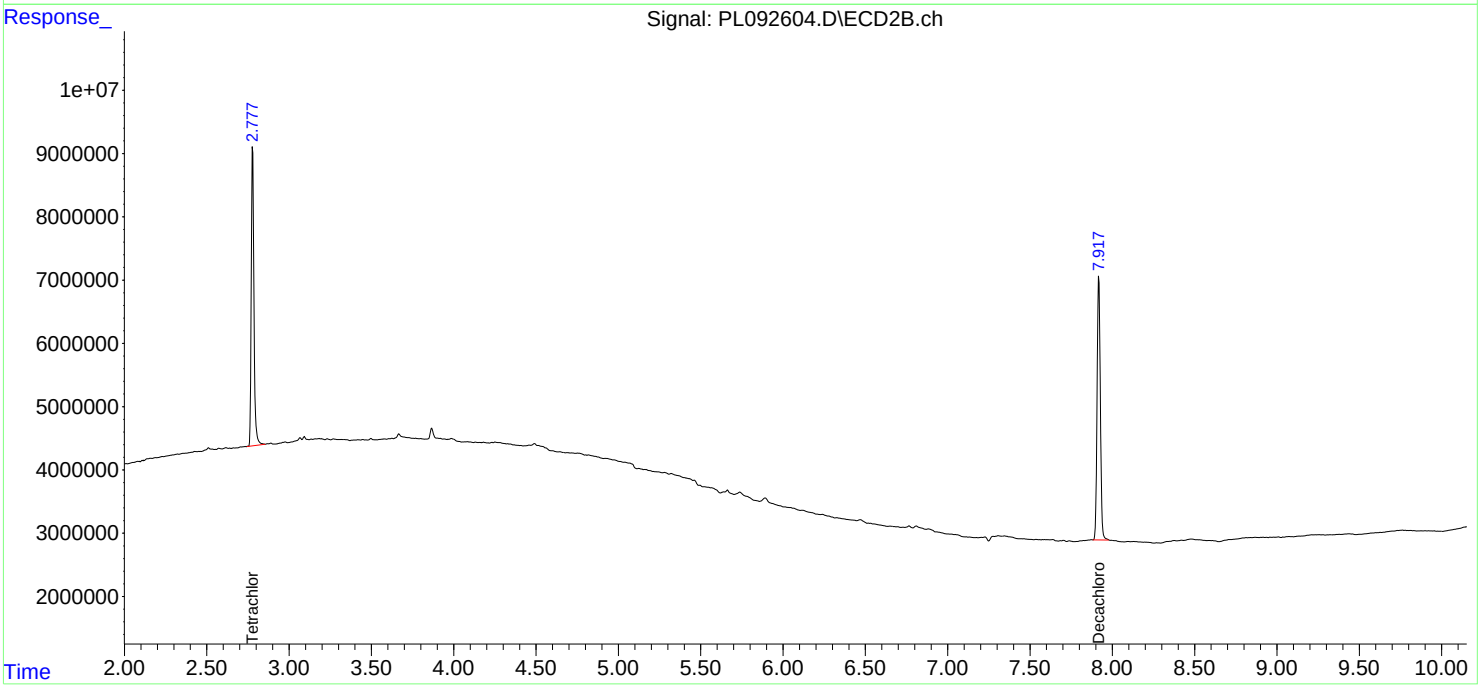
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092604.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 13:36
Operator : AR\AJ
Sample : PB164261TB
Misc :
ALS Vial : 17 Sample Multiplier: 1

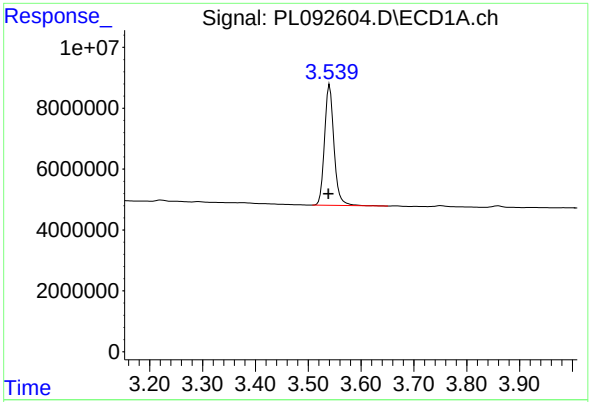
Instrument :
ECD_L
ClientSampleId :
PB164261TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:15:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 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



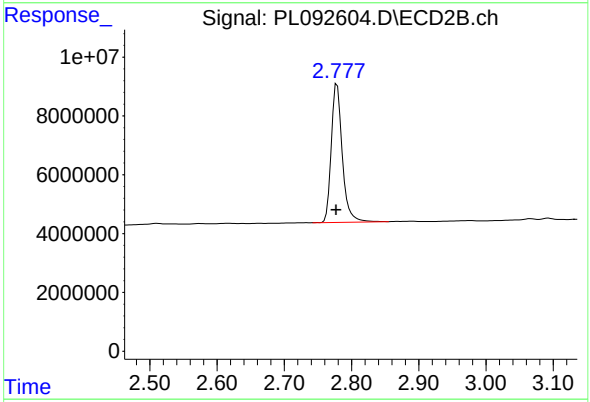




#1 Tetrachloro-m-xylene

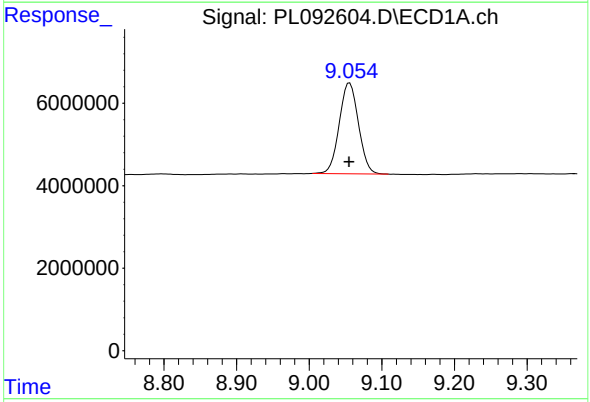
R.T.: 3.541 min
Delta R.T.: 0.003 min
Response: 49274453
Conc: 18.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164261TB



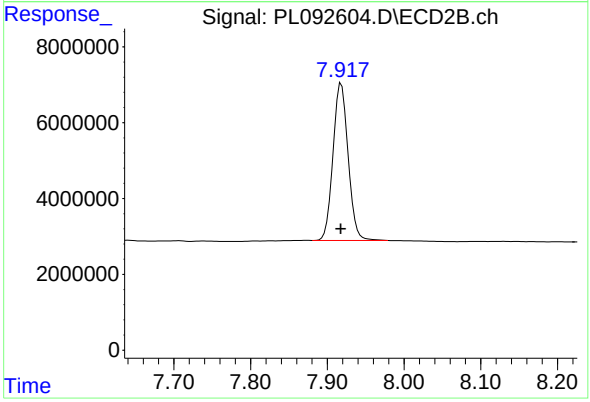
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.002 min
Response: 53074312
Conc: 19.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.000 min
Response: 40501733
Conc: 19.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 56815075
Conc: 21.56 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 13:09
Operator : AR\AJ
Sample : PB164360BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164360BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:13:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 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...	3.541	2.778	50081230	54157855	18.591	19.499
28)	SA Decachlor...	9.057	7.918	40145227	55397651	19.765	21.024
	Target Compounds						

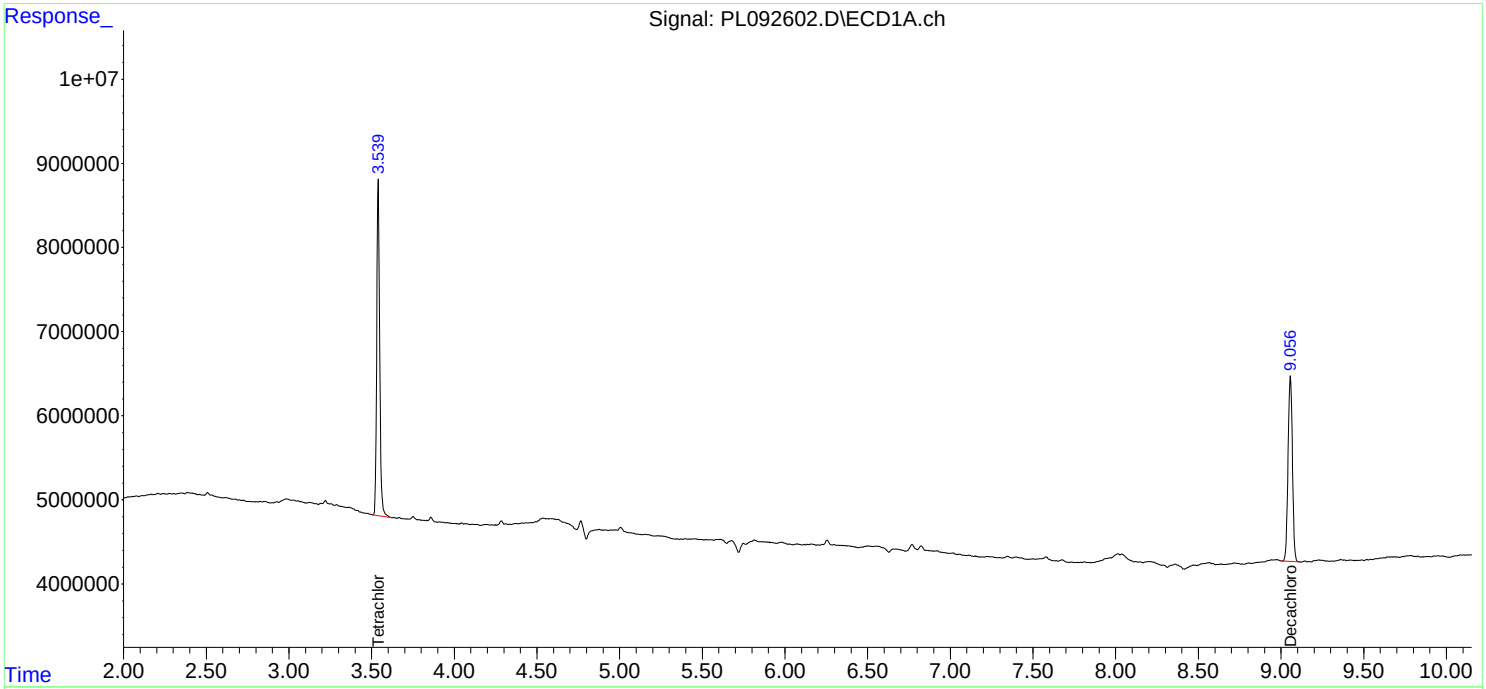
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

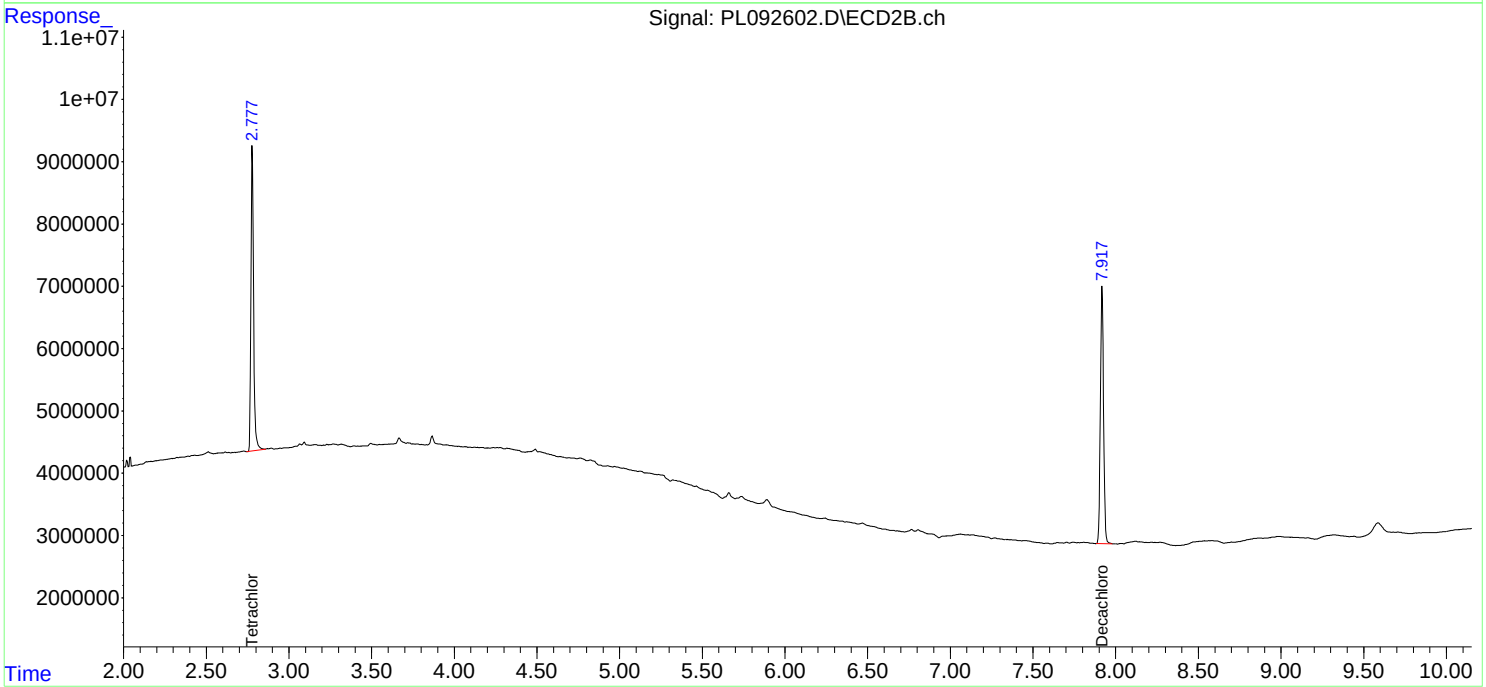
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092602.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 13:09
Operator : AR\AJ
Sample : PB164360BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

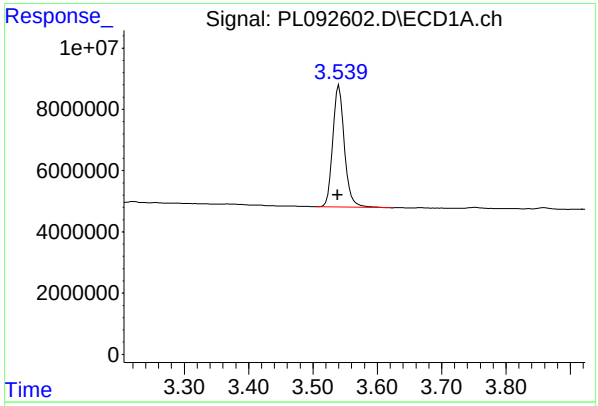
Instrument :
ECD_L
ClientSampleId :
PB164360BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:13:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 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



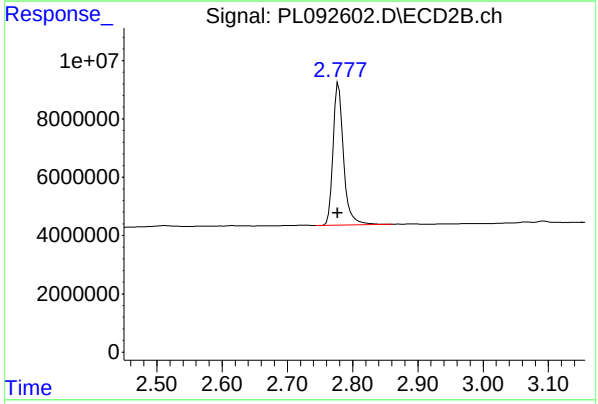




#1 Tetrachloro-m-xylene

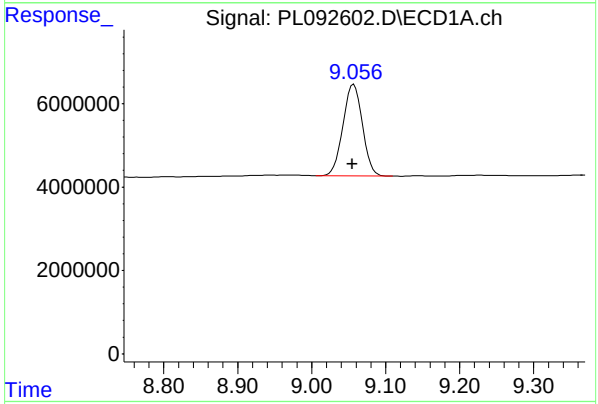
R.T.: 3.541 min
Delta R.T.: 0.003 min
Response: 50081230
Conc: 18.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164360BL



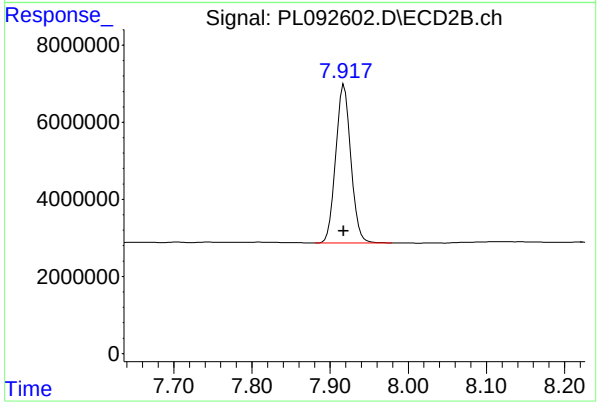
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.002 min
Response: 54157855
Conc: 19.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: 0.002 min
Response: 40145227
Conc: 19.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.000 min
Response: 55397651
Conc: 21.02 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
Data File : PL092642.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 17:35
Operator : AR\AJ
Sample : PB164360BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164360BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 22:41:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 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...	3.546	2.778	42313207	45159243	15.707	16.259m
28)	SA Decachlor...	9.064	7.921	35901416	51282928	17.675	19.462
	Target Compounds						
2)	A alpha-BHC	4.003	3.283	163.4E6	197.6E6	39.640	45.802
3)	MA gamma-BHC...	4.334	3.613	157.0E6	191.7E6	40.806m	46.542
4)	MA Heptachlor	4.923	3.952	145.6E6	191.5E6	41.058m	47.677
5)	MB Aldrin	5.264	4.232	143.4E6	184.9E6	38.975m	46.510
6)	B beta-BHC	4.533	3.913	69532257	83079755	44.792	47.584
7)	B delta-BHC	4.778	4.142	155.5E6	194.5E6	41.341m	46.230
8)	B Heptachlo...	5.692	4.735	135.2E6	172.3E6	40.702	48.894
9)	A Endosulfan I	6.078	5.105	122.6E6	157.1E6	40.594	49.370
10)	B gamma-Chl...	5.948	4.984	132.1E6	172.3E6	40.075	46.844
11)	B alpha-Chl...	6.027	5.049	130.4E6	170.1E6	40.035	47.855
12)	B 4,4'-DDE	6.200	5.238	117.7E6	166.7E6	39.697	47.942
13)	MA Dieldrin	6.352	5.369	129.8E6	173.0E6	39.918	47.327
14)	MA Endrin	6.582	5.645	109.0E6	151.8E6	38.589	46.361
15)	B Endosulfa...	6.801	5.940	115.7E6	147.4E6	40.874	47.142
16)	A 4,4'-DDD	6.717	5.793	99520319	133.1E6	41.193	47.919
17)	MA 4,4'-DDT	7.031	6.043	101.5E6	136.4E6	41.171	46.454
18)	B Endrin al...	6.931	6.119	92358191	117.8E6	43.237	47.941
19)	B Endosulfa...	7.166	6.341	107.0E6	140.0E6	42.336	47.372
20)	A Methoxychlor	7.505	6.618	55812964	73254812	47.391m	51.665
21)	B Endrin ke...	7.651	6.847	120.3E6	159.8E6	43.739	49.744
22)	Mirex	8.124	7.026	94719587	131.2E6	45.394	50.195m

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

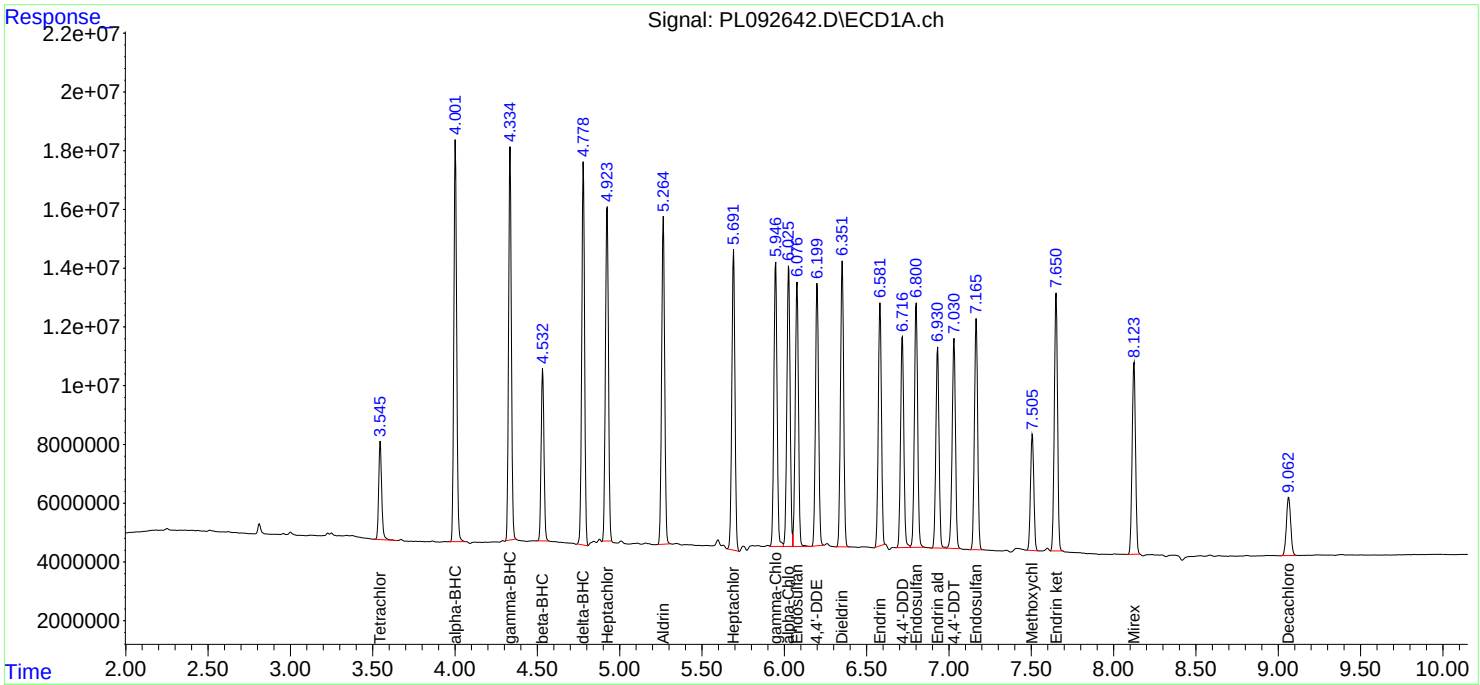
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102624\
Data File : PL092642.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 17:35
Operator : AR\AJ
Sample : PB164360BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

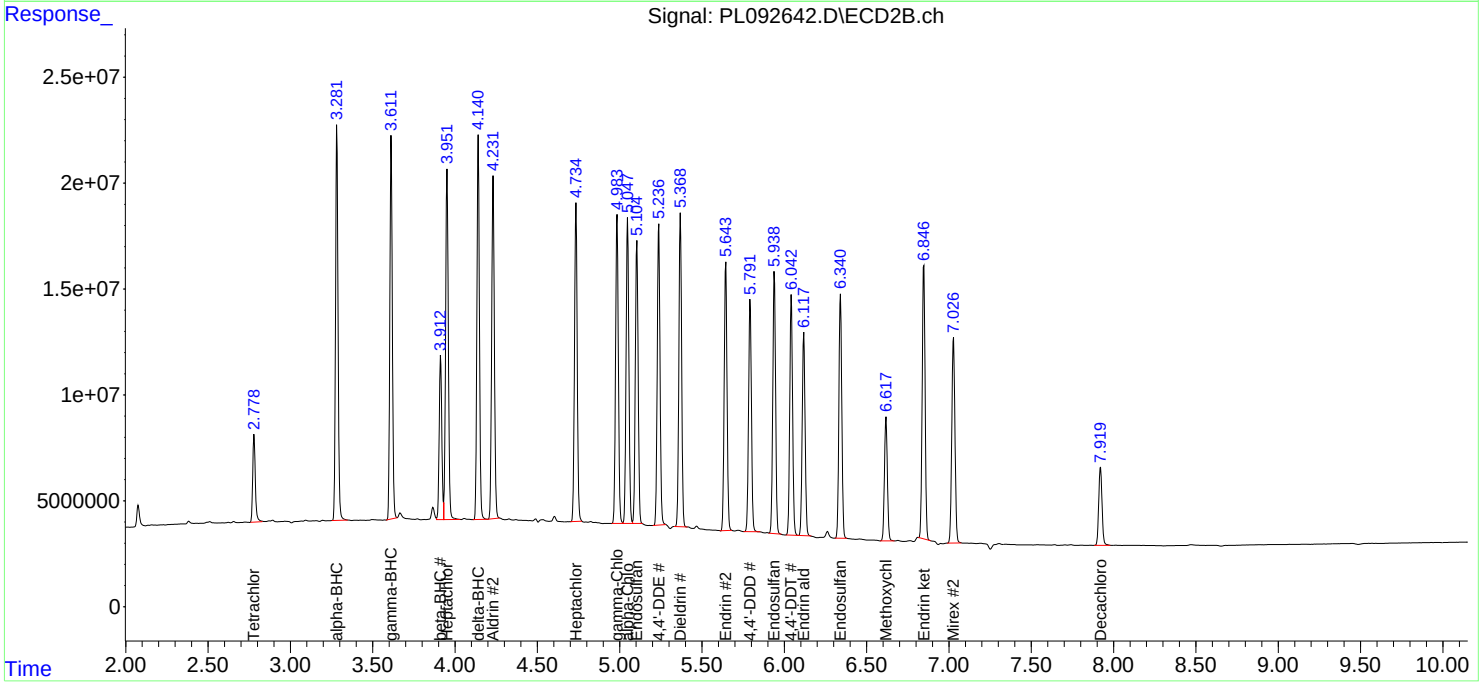
Instrument :
ECD_L
ClientSampleId :
PB164360BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 22:41:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 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\PL102424\
Data File : PL092606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 14:03
Operator : AR\AJ
Sample : P4397-06MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WB-301-BOTMS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:17:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 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...	3.539	2.780	42896519	45349975	15.924m	16.328
28)	SA Decachlor...	9.057	7.919	39343276	55163440	19.370	20.935
	Target Compounds						
2)	A alpha-BHC	3.997	3.282	172.7E6	208.5E6	41.907	48.311
3)	MA gamma-BHC...	4.328	3.612	159.0E6	197.1E6	41.326m	47.856
4)	MA Heptachlor	4.918	3.951	152.2E6	206.9E6	42.924	51.527
5)	MB Aldrin	5.260	4.231	146.6E6	186.8E6	39.838	46.987
6)	B beta-BHC	4.526	3.912	68938446	90653973	44.410m	51.922
7)	B delta-BHC	4.774	4.141	155.5E6	191.6E6	41.346	45.562
8)	B Heptachlo...	5.686	4.734	135.0E6	174.5E6	40.658	49.531
9)	A Endosulfan I	6.071	5.104	124.9E6	158.4E6	41.350	49.772
10)	B gamma-Chl...	5.940	4.984	138.2E6	180.6E6	41.930m	49.074
11)	B alpha-Chl...	6.021	5.047	133.0E6	175.3E6	40.834	49.315
12)	B 4,4'-DDE	6.194	5.237	118.1E6	170.2E6	39.825	48.943
13)	MA Dieldrin	6.347	5.368	131.1E6	180.9E6	40.309	49.495
14)	MA Endrin	6.576	5.643	112.4E6	156.9E6	39.792	47.918
15)	B Endosulfa...	6.796	5.938	118.7E6	149.1E6	41.930	47.677
16)	A 4,4'-DDD	6.712	5.791	99087476	130.2E6	41.014	46.872
17)	MA 4,4'-DDT	7.025	6.041	112.0E6	141.7E6	45.399	48.245
18)	B Endrin al...	6.926	6.117	89974134	111.6E6	42.121	45.443
19)	B Endosulfa...	7.161	6.340	105.9E6	138.3E6	41.919	46.766
20)	A Methoxychlor	7.501	6.616	57518533	73789922	48.839	52.043
21)	B Endrin ke...	7.645	6.846	118.8E6	155.2E6	43.207	48.322
22)	Mirex	8.119	7.026	90896784	122.8E6	43.562	46.978

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

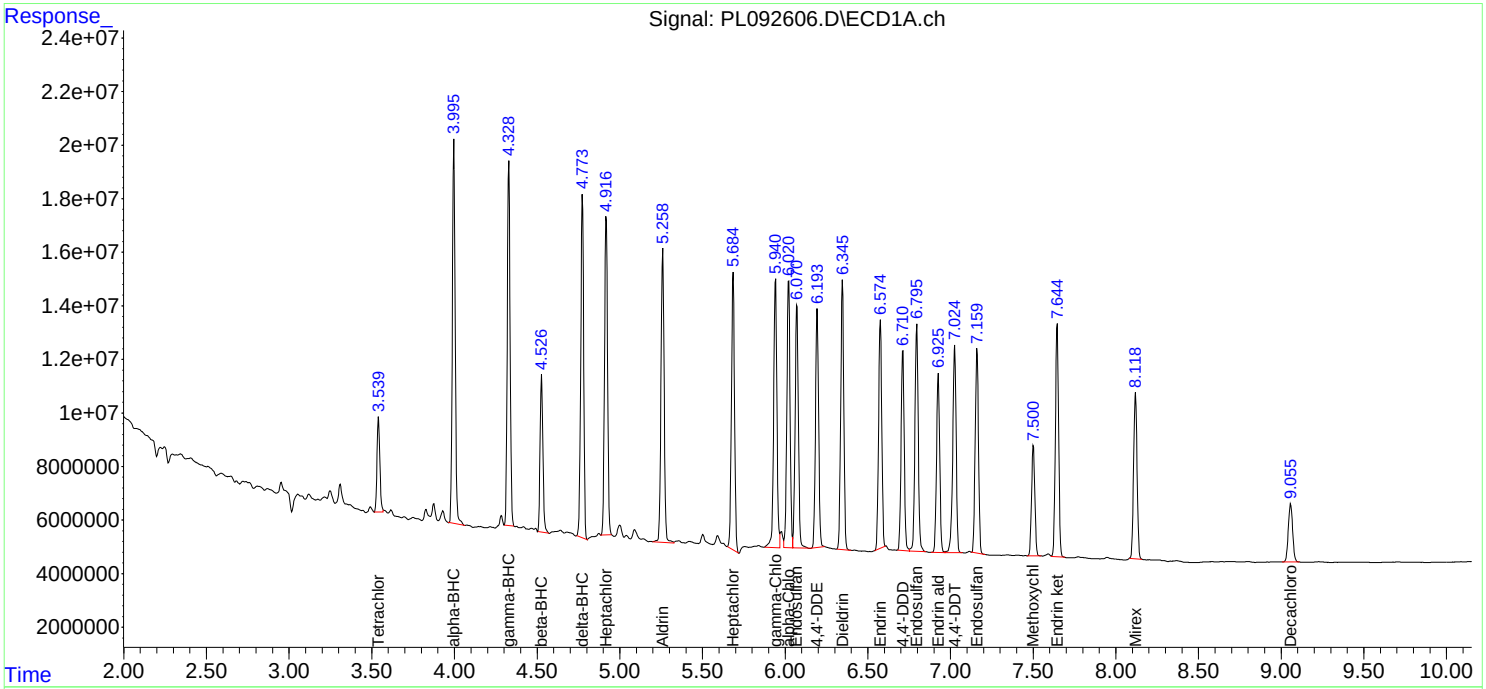
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092606.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 14:03
Operator : AR\AJ
Sample : P4397-06MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

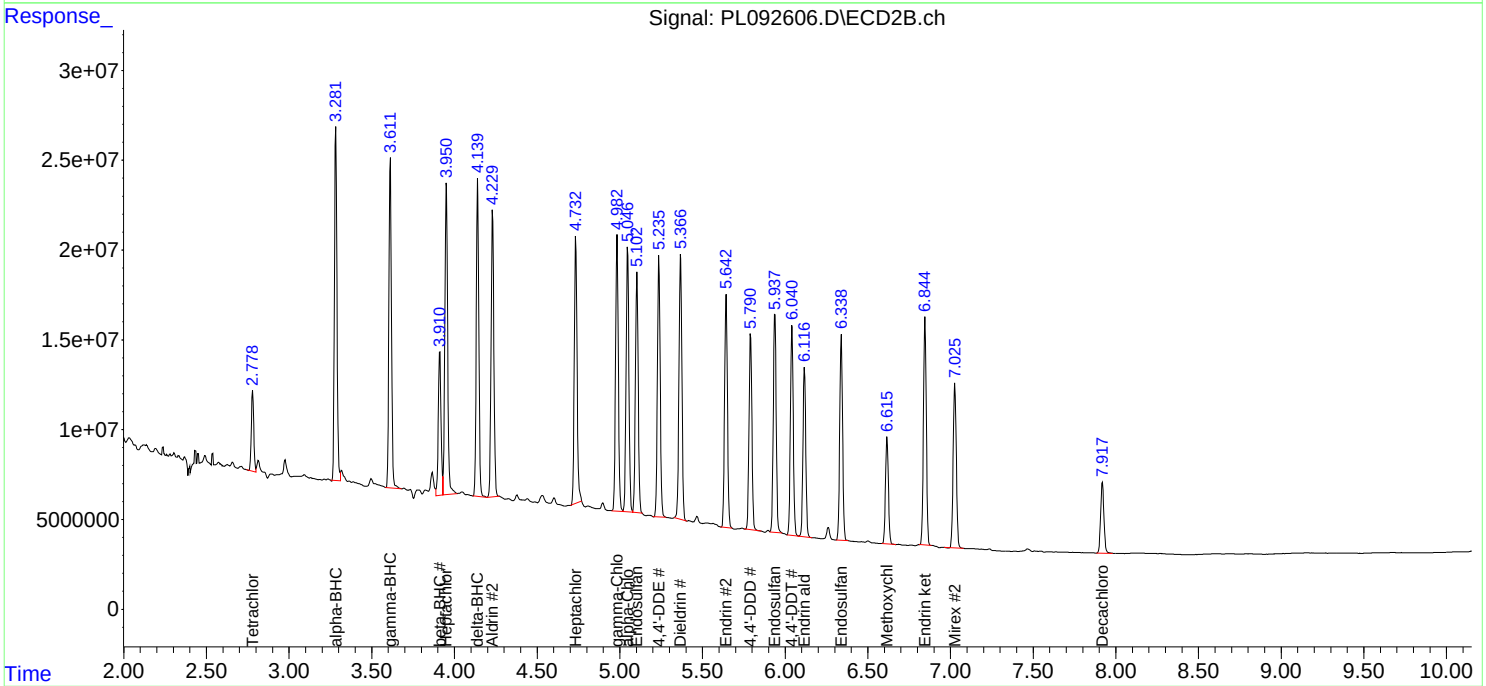
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:17:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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 :
WB-301-BOTMS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 14:16
Operator : AR\AJ
Sample : P4397-06MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
WB-301-BOTMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:17:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 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...	3.541	2.779	44502504	45915392	16.520	16.532
28) SA	Decachlor...	9.058	7.918	40460370	57023058	19.920	21.641
	Target Compounds						
2) A	alpha-BHC	3.997	3.281	176.5E6	215.2E6	42.823	49.875m
3) MA	gamma-BHC...	4.328	3.611	162.0E6	202.6E6	42.105m	49.198
4) MA	Heptachlor	4.918	3.951	155.6E6	214.5E6	43.886	53.409
5) MB	Aldrin	5.260	4.231	150.3E6	192.8E6	40.859	48.499
6) B	beta-BHC	4.526	3.911	70343834	93182549	45.315m	53.371
7) B	delta-BHC	4.774	4.140	159.8E6	197.8E6	42.482	47.027
8) B	Heptachlo...	5.686	4.733	137.8E6	180.9E6	41.485	51.352
9) A	Endosulfan I	6.072	5.103	127.7E6	163.9E6	42.295	51.492
10) B	gamma-Chl...	5.941	4.983	142.8E6	186.4E6	43.325m	50.665
11) B	alpha-Chl...	6.021	5.047	136.3E6	181.5E6	41.841	51.074
12) B	4,4'-DDE	6.194	5.236	120.9E6	176.3E6	40.758	50.694
13) MA	Dieldrin	6.347	5.368	135.2E6	187.8E6	41.572	51.383
14) MA	Endrin	6.576	5.643	114.4E6	163.4E6	40.519	49.888
15) B	Endosulfa...	6.796	5.938	122.4E6	154.1E6	43.248	49.291
16) A	4,4'-DDD	6.712	5.791	101.7E6	135.5E6	42.106	48.782
17) MA	4,4'-DDT	7.025	6.042	112.8E6	147.9E6	45.756	50.353
18) B	Endrin al...	6.926	6.117	90868430	115.5E6	42.540	46.997
19) B	Endosulfa...	7.161	6.340	109.1E6	143.1E6	43.177	48.408
20) A	Methoxychlor	7.501	6.616	58538142	75742306	49.705	53.420
21) B	Endrin ke...	7.646	6.845	122.2E6	160.1E6	44.441	49.840
22)	Mirex	8.119	7.026	92627010	126.5E6	44.391	48.401

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

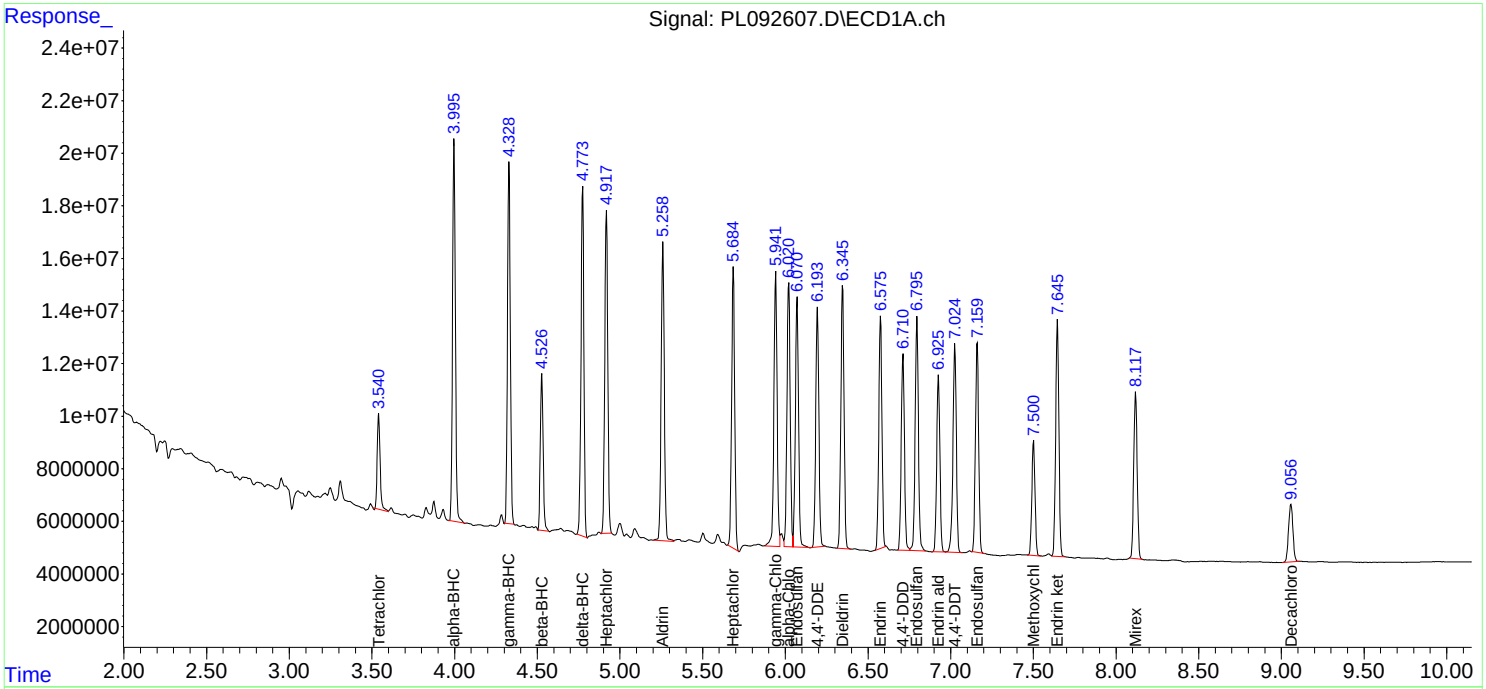
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102424\
Data File : PL092607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 14:16
Operator : AR\AJ
Sample : P4397-06MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

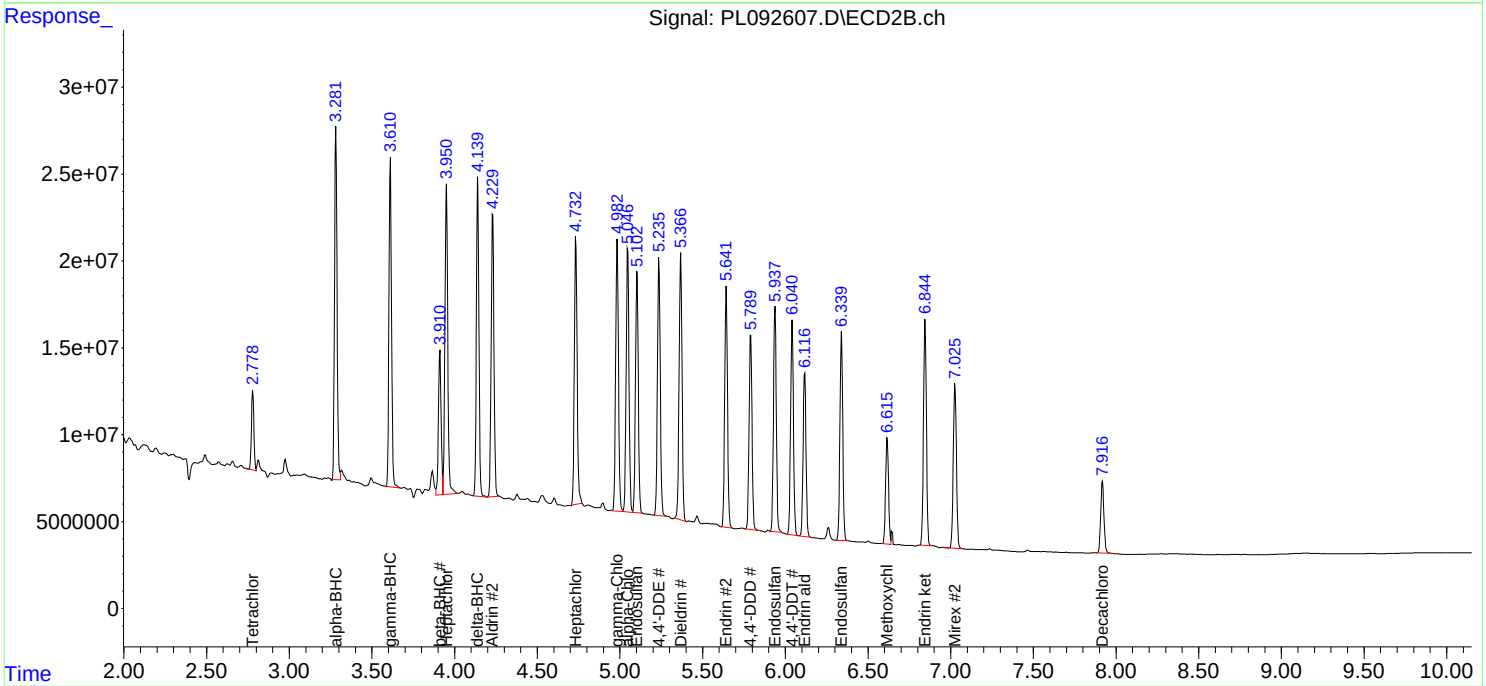
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:17:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102124.M
Quant Title : GC Extractables
QLast Update : Mon Oct 21 17:09:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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 :
WB-301-BOTMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024





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

Manual Integration Report

Sequence:	PL102124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092495.D	4,4"-DDD	Abdul	10/22/2024 8:45:34 AM	Ankita	10/22/2024 9:02:10	Peak Integrated by Software
PEM	PL092495.D	4,4"-DDD #2	Abdul	10/22/2024 8:45:34 AM	Ankita	10/22/2024 9:02:10	Peak Integrated by Software
PEM	PL092495.D	Endrin aldehyde	Abdul	10/22/2024 8:45:34 AM	Ankita	10/22/2024 9:02:10	Peak Integrated by Software
PEM	PL092495.D	Endrin ketone #2	Abdul	10/22/2024 8:45:34 AM	Ankita	10/22/2024 9:02:10	Peak Integrated by Software
PSTDICC025	PL092500.D	Heptachlor epoxide	Abdul	10/22/2024 8:45:38 AM	Ankita	10/22/2024 9:02:12	Peak Integrated by Software
PSTDICC005	PL092501.D	alpha-Chlordane	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	delta-BHC	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endosulfan I	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endosulfan II	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endrin	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endrin #2	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Endrin ketone	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	gamma-BHC (Lindane) #2	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL102124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDICC005	PL092501.D	gamma-Chlordane	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Heptachlor epoxide	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICC005	PL092501.D	Mirex #2	Abdul	10/22/2024 8:45:42 AM	Ankita	10/22/2024 9:02:15	Peak Integrated by Software
PSTDICV050	PL092512.D	delta-BHC	Abdul	10/22/2024 8:46:09 AM	Ankita	10/22/2024 9:02:28	Peak Integrated by Software
PSTDICV050	PL092512.D	Heptachlor epoxide	Abdul	10/22/2024 8:46:09 AM	Ankita	10/22/2024 9:02:28	Peak Integrated by Software
PSTDICV050	PL092512.D	Mirex #2	Abdul	10/22/2024 8:46:09 AM	Ankita	10/22/2024 9:02:28	Peak Integrated by Software
PCHLORICV500	PL092513.D	Chlordane-5	Abdul	10/22/2024 8:46:13 AM	Ankita	10/22/2024 9:02:30	Peak Integrated by Software
I.BLK	PL092515.D	Tetrachloro-m-xylene #2	Abdul	10/22/2024 8:46:19 AM	Ankita	10/22/2024 9:02:32	Peak Integrated by Software
PEM	PL092516.D	4,4"-DDE	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software
PEM	PL092516.D	alpha-BHC	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software
PEM	PL092516.D	Endrin aldehyde	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software
PEM	PL092516.D	Endrin ketone #2	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software
PEM	PL092516.D	gamma-BHC (Lindane) #2	Abdul	10/22/2024 8:46:24 AM	Ankita	10/22/2024 9:02:34	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL102124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092517.D	delta-BHC	Abdul	10/22/2024 8:46:28 AM	Ankita	10/22/2024 9:02:36	Peak Integrated by Software
PSTDCCC050	PL092517.D	Endosulfan II #2	Abdul	10/22/2024 8:46:28 AM	Ankita	10/22/2024 9:02:36	Peak Integrated by Software
PSTDCCC050	PL092517.D	Heptachlor epoxide	Abdul	10/22/2024 8:46:28 AM	Ankita	10/22/2024 9:02:36	Peak Integrated by Software
PSTDCCC050	PL092517.D	Mirex #2	Abdul	10/22/2024 8:46:28 AM	Ankita	10/22/2024 9:02:36	Peak Integrated by Software
I.BLK	PL092523.D	Tetrachloro-m-xylene #2	Abdul	10/22/2024 8:47:06 AM	Ankita	10/22/2024 9:02:44	Peak Integrated by Software
PSTDCCC050	PL092524.D	delta-BHC	Abdul	10/22/2024 8:47:10 AM	Ankita	10/22/2024 9:02:48	Peak Integrated by Software
PSTDCCC050	PL092524.D	Heptachlor epoxide	Abdul	10/22/2024 8:47:10 AM	Ankita	10/22/2024 9:02:48	Peak Integrated by Software
I.BLK	PL092528.D	Decachlorobiphenyl	Abdul	10/22/2024 8:47:27 AM	Ankita	10/22/2024 9:02:56	Peak Integrated by Software
I.BLK	PL092528.D	Tetrachloro-m-xylene #2	Abdul	10/22/2024 8:47:27 AM	Ankita	10/22/2024 9:02:56	Peak Integrated by Software
PSTDCCC050	PL092529.D	Aldrin	Abdul	10/22/2024 8:47:30 AM	Ankita	10/22/2024 9:02:58	Peak Integrated by Software
PSTDCCC050	PL092529.D	delta-BHC	Abdul	10/22/2024 8:47:30 AM	Ankita	10/22/2024 9:02:58	Peak Integrated by Software
PSTDCCC050	PL092529.D	Endrin	Abdul	10/22/2024 8:47:30 AM	Ankita	10/22/2024 9:02:58	Peak Integrated by Software
PSTDCCC050	PL092529.D	Heptachlor epoxide	Abdul	10/22/2024 8:47:30 AM	Ankita	10/22/2024 9:02:58	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL102124	Instrument	ECD_I

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

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Manual Integration Report

Sequence:	PL102424	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092590.D	4,4"-DDD #2	Abdul	10/25/2024 3:24:07 PM	Ankita	10/28/2024 10:34:14	Peak Integrated by Software
PEM	PL092590.D	Endrin ketone #2	Abdul	10/25/2024 3:24:07 PM	Ankita	10/28/2024 10:34:14	Peak Integrated by Software
PSTDCCC050	PL092591.D	Endrin ketone #2	Abdul	10/25/2024 3:24:10 PM	Ankita	10/28/2024 10:34:16	Peak Integrated by Software
PSTDCCC050	PL092591.D	Heptachlor epoxide	Abdul	10/25/2024 3:24:10 PM	Ankita	10/28/2024 10:34:16	Peak Integrated by Software
P4397-06MS	PL092606.D	beta-BHC	Abdul	10/25/2024 3:24:53 PM	Ankita	10/28/2024 10:34:59	Peak Integrated by Software
P4397-06MS	PL092606.D	gamma-BHC (Lindane)	Abdul	10/25/2024 3:24:53 PM	Ankita	10/28/2024 10:34:59	Peak Integrated by Software
P4397-06MS	PL092606.D	gamma-Chlordane	Abdul	10/25/2024 3:24:53 PM	Ankita	10/28/2024 10:34:59	Peak Integrated by Software
P4397-06MS	PL092606.D	Tetrachloro-m-xylene	Abdul	10/25/2024 3:24:53 PM	Ankita	10/28/2024 10:34:59	Peak Integrated by Software
P4397-06MSD	PL092607.D	alpha-BHC #2	Abdul	10/25/2024 3:24:56 PM	Ankita	10/28/2024 10:35:04	Peak Integrated by Software
P4397-06MSD	PL092607.D	beta-BHC	Abdul	10/25/2024 3:24:56 PM	Ankita	10/28/2024 10:35:04	Peak Integrated by Software
P4397-06MSD	PL092607.D	gamma-BHC (Lindane)	Abdul	10/25/2024 3:24:56 PM	Ankita	10/28/2024 10:35:04	Peak Integrated by Software
P4397-06MSD	PL092607.D	gamma-Chlordane	Abdul	10/25/2024 3:24:56 PM	Ankita	10/28/2024 10:35:04	Peak Integrated by Software
P4460-04	PL092608.D	Tetrachloro-m-xylene	Abdul	10/25/2024 3:24:59 PM	Ankita	10/28/2024 10:35:05	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL102424	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4460-04	PL092608.D	Tetrachloro-m-xylene #2	Abdul	10/25/2024 3:24:59 PM	Ankita	10/28/2024 10:35:05	Peak Integrated by Software
I.BLK	PL092612.D	Decachlorobiphenyl	Abdul	10/28/2024 9:17:04 AM	Ankita	10/28/2024 10:35:12	Peak Integrated by Software
I.BLK	PL092612.D	Tetrachloro-m-xylene #2	Abdul	10/28/2024 9:17:04 AM	Ankita	10/28/2024 10:35:12	Peak Integrated by Software
PSTDCCC050	PL092613.D	Aldrin	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software
PSTDCCC050	PL092613.D	Decachlorobiphenyl	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software
PSTDCCC050	PL092613.D	Dieldrin	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software
PSTDCCC050	PL092613.D	Endosulfan II #2	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software
PSTDCCC050	PL092613.D	Endrin ketone #2	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software
PSTDCCC050	PL092613.D	Heptachlor	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software
PSTDCCC050	PL092613.D	Heptachlor epoxide	Abdul	10/25/2024 3:25:15 PM	Ankita	10/28/2024 10:35:14	Peak Integrated by Software
I.BLK	PL092622.D	Tetrachloro-m-xylene #2	Abdul	10/28/2024 9:17:07 AM	Ankita	10/28/2024 10:35:28	Peak Integrated by Software
PSTDCCC050	PL092623.D	Heptachlor	Abdul	10/25/2024 3:25:52 PM	Ankita	10/28/2024 10:35:30	Peak Integrated by Software
PSTDCCC050	PL092623.D	Mirex #2	Abdul	10/25/2024 3:25:52 PM	Ankita	10/28/2024 10:35:30	Peak Integrated by Software

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Sequence:	PL102424	Instrument	ECD_I

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

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Manual Integration Report

Sequence:	PL102624	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PL092637.D	Tetrachloro-m-xylene	Abdul	10/28/2024 9:29:49 AM	Ankita	10/28/2024 10:45:41	Peak Integrated by Software
I.BLK	PL092637.D	Tetrachloro-m-xylene #2	Abdul	10/28/2024 9:29:49 AM	Ankita	10/28/2024 10:45:41	Peak Integrated by Software
PEM	PL092638.D	4,4"-DDE	Abdul	10/28/2024 9:29:52 AM	Ankita	10/28/2024 10:45:44	Peak Integrated by Software
PEM	PL092638.D	4,4"-DDE #2	Abdul	10/28/2024 9:29:52 AM	Ankita	10/28/2024 10:45:44	Peak Integrated by Software
PEM	PL092638.D	Endrin	Abdul	10/28/2024 9:29:52 AM	Ankita	10/28/2024 10:45:44	Peak Integrated by Software
PSTDCCC050	PL092639.D	4,4"-DDD #2	Abdul	10/28/2024 9:29:57 AM	Ankita	10/28/2024 10:45:46	Peak Integrated by Software
PSTDCCC050	PL092639.D	Aldrin	Abdul	10/28/2024 9:29:57 AM	Ankita	10/28/2024 10:45:46	Peak Integrated by Software
PSTDCCC050	PL092639.D	Endosulfan II #2	Abdul	10/28/2024 9:29:57 AM	Ankita	10/28/2024 10:45:46	Peak Integrated by Software
PSTDCCC050	PL092639.D	Heptachlor	Abdul	10/28/2024 9:29:57 AM	Ankita	10/28/2024 10:45:46	Peak Integrated by Software
PSTDCCC050	PL092639.D	Heptachlor epoxide	Abdul	10/28/2024 9:29:57 AM	Ankita	10/28/2024 10:45:46	Peak Integrated by Software
PSTDCCC050	PL092639.D	Methoxychlor	Abdul	10/28/2024 9:29:57 AM	Ankita	10/28/2024 10:45:46	Peak Integrated by Software
PB164360BS	PL092642.D	Aldrin	Abdul	10/28/2024 9:30:09 AM	Ankita	10/28/2024 10:45:51	Peak Integrated by Software
PB164360BS	PL092642.D	delta-BHC	Abdul	10/28/2024 9:30:09 AM	Ankita	10/28/2024 10:45:51	Peak Integrated by Software

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Sequence:	PL102624	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164360BS	PL092642.D	gamma-BHC (Lindane)	Abdul	10/28/2024 9:30:09 AM	Ankita	10/28/2024 10:45:51	Peak Integrated by Software
PB164360BS	PL092642.D	Heptachlor	Abdul	10/28/2024 9:30:09 AM	Ankita	10/28/2024 10:45:51	Peak Integrated by Software
PB164360BS	PL092642.D	Methoxychlor	Abdul	10/28/2024 9:30:09 AM	Ankita	10/28/2024 10:45:51	Peak Integrated by Software
PB164360BS	PL092642.D	Mirex #2	Abdul	10/28/2024 9:30:09 AM	Ankita	10/28/2024 10:45:51	Peak Integrated by Software
PB164360BS	PL092642.D	Tetrachloro-m-xylene #2	Abdul	10/28/2024 9:30:09 AM	Ankita	10/28/2024 10:45:51	Peak Integrated by Software
I.BLK	PL092649.D	Tetrachloro-m-xylene	Abdul	10/28/2024 9:30:40 AM	Ankita	10/28/2024 10:46:13	Peak Integrated by Software
I.BLK	PL092649.D	Tetrachloro-m-xylene #2	Abdul	10/28/2024 9:30:40 AM	Ankita	10/28/2024 10:46:13	Peak Integrated by Software
PSTDCCC050	PL092650.D	Aldrin	Abdul	10/28/2024 9:30:44 AM	Ankita	10/28/2024 10:46:17	Peak Integrated by Software
PSTDCCC050	PL092650.D	Endosulfan II #2	Abdul	10/28/2024 9:30:44 AM	Ankita	10/28/2024 10:46:17	Peak Integrated by Software
PSTDCCC050	PL092650.D	Endrin ketone #2	Abdul	10/28/2024 9:30:44 AM	Ankita	10/28/2024 10:46:17	Peak Integrated by Software

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM		
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM		
SubDirectory	PL102124	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,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	PL092493.D	21 Oct 2024 12:06	AR\AJ	Ok
2	I.BLK	PL092494.D	21 Oct 2024 12:19	AR\AJ	Ok
3	PEM	PL092495.D	21 Oct 2024 12:33	AR\AJ	Ok,M
4	RESCHK	PL092496.D	21 Oct 2024 12:46	AR\AJ	Ok
5	PSTDICC100	PL092497.D	21 Oct 2024 13:00	AR\AJ	Ok
6	PSTDICC075	PL092498.D	21 Oct 2024 13:13	AR\AJ	Ok
7	PSTDICC050	PL092499.D	21 Oct 2024 13:26	AR\AJ	Ok
8	PSTDICC025	PL092500.D	21 Oct 2024 13:40	AR\AJ	Ok,M
9	PSTDICC005	PL092501.D	21 Oct 2024 13:53	AR\AJ	Ok,M
10	PCHLORICC1000	PL092502.D	21 Oct 2024 14:07	AR\AJ	Ok
11	PCHLORICC750	PL092503.D	21 Oct 2024 14:20	AR\AJ	Ok
12	PCHLORICC500	PL092504.D	21 Oct 2024 14:33	AR\AJ	Ok
13	PCHLORICC250	PL092505.D	21 Oct 2024 14:47	AR\AJ	Ok,M
14	PCHLORICC050	PL092506.D	21 Oct 2024 15:00	AR\AJ	Ok,M
15	PTOXICC1000	PL092507.D	21 Oct 2024 15:14	AR\AJ	Ok,M
16	PTOXICC750	PL092508.D	21 Oct 2024 15:27	AR\AJ	Ok,M
17	PTOXICC500	PL092509.D	21 Oct 2024 15:40	AR\AJ	Ok
18	PTOXICC250	PL092510.D	21 Oct 2024 15:54	AR\AJ	Ok,M
19	PTOXICC100	PL092511.D	21 Oct 2024 16:07	AR\AJ	Ok,M
20	PSTDICV050	PL092512.D	21 Oct 2024 16:21	AR\AJ	Ok,M
21	PCHLORICV500	PL092513.D	21 Oct 2024 16:34	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM		
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM		
SubDirectory	PL102124	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,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	PL092514.D	21 Oct 2024 18:08	AR\AJ	Ok
23	I.BLK	PL092515.D	21 Oct 2024 18:41	AR\AJ	Ok,M
24	PEM	PL092516.D	21 Oct 2024 18:54	AR\AJ	Ok,M
25	PSTDCCC050	PL092517.D	21 Oct 2024 19:08	AR\AJ	Ok,M
26	PB164288BL	PL092518.D	21 Oct 2024 19:21	AR\AJ	Ok
27	PB164288BS	PL092519.D	21 Oct 2024 19:34	AR\AJ	Ok,M
28	P4455-01	PL092520.D	21 Oct 2024 19:48	AR\AJ	Ok,M
29	P4443-01	PL092521.D	21 Oct 2024 20:01	AR\AJ	Ok,M
30	P4443-06	PL092522.D	21 Oct 2024 20:15	AR\AJ	Ok,M
31	I.BLK	PL092523.D	21 Oct 2024 20:28	AR\AJ	Ok,M
32	PSTDCCC050	PL092524.D	21 Oct 2024 20:42	AR\AJ	Ok,M
33	P4458-01	PL092525.D	21 Oct 2024 20:55	AR\AJ	Ok,M
34	P4458-01MS	PL092526.D	21 Oct 2024 21:08	AR\AJ	Ok,M
35	P4458-01MSD	PL092527.D	21 Oct 2024 21:22	AR\AJ	Ok,M
36	I.BLK	PL092528.D	21 Oct 2024 21:35	AR\AJ	Ok,M
37	PSTDCCC050	PL092529.D	21 Oct 2024 21:49	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102424

Review By	Abdul	Review On	10/25/2024 3:26:14 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:35:47 AM		
SubDirectory	PL102424	HP Acquire Method		HP Processing Method	pl102124 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	PL092588.D	24 Oct 2024 09:39	AR\AJ	Ok
2	I.BLK	PL092589.D	24 Oct 2024 09:53	AR\AJ	Ok
3	PEM	PL092590.D	24 Oct 2024 10:06	AR\AJ	Ok,M
4	PSTDCCC050	PL092591.D	24 Oct 2024 10:19	AR\AJ	Ok,M
5	P4467-01	PL092592.D	24 Oct 2024 10:55	AR\AJ	Ok,M
6	P4470-01	PL092593.D	24 Oct 2024 11:08	AR\AJ	Ok,M
7	P4472-01	PL092594.D	24 Oct 2024 11:22	AR\AJ	Ok,M
8	P4472-01MS	PL092595.D	24 Oct 2024 11:35	AR\AJ	Ok,M
9	P4472-01MSD	PL092596.D	24 Oct 2024 11:49	AR\AJ	Ok,M
10	P4472-05	PL092597.D	24 Oct 2024 12:02	AR\AJ	Ok,M
11	P4487-01	PL092598.D	24 Oct 2024 12:15	AR\AJ	Ok,M
12	P4487-05	PL092599.D	24 Oct 2024 12:29	AR\AJ	Ok,M
13	P4487-05MS	PL092600.D	24 Oct 2024 12:42	AR\AJ	Ok,M
14	P4487-05MSD	PL092601.D	24 Oct 2024 12:56	AR\AJ	Ok,M
15	PB164360BL	PL092602.D	24 Oct 2024 13:09	AR\AJ	Ok
16	PB164360BS	PL092603.D	24 Oct 2024 13:22	AR\AJ	Not Ok
17	PB164261TB	PL092604.D	24 Oct 2024 13:36	AR\AJ	Ok
18	P4397-06	PL092605.D	24 Oct 2024 13:49	AR\AJ	Ok,M
19	P4397-06MS	PL092606.D	24 Oct 2024 14:03	AR\AJ	Ok,M
20	P4397-06MSD	PL092607.D	24 Oct 2024 14:16	AR\AJ	Ok,M
21	P4460-04	PL092608.D	24 Oct 2024 14:30	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102424

Review By	Abdul	Review On	10/25/2024 3:26:14 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:35:47 AM		
SubDirectory	PL102424	HP Acquire Method		HP Processing Method	pl102124 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	P4486-01	PL092609.D	24 Oct 2024 16:04	AR\AJ	Ok,M
23	PB164365BS	PL092610.D	24 Oct 2024 16:17	AR\AJ	Ok,M
24	PB164365BL	PL092611.D	24 Oct 2024 16:35	AR\AJ	Ok,M
25	I.BLK	PL092612.D	24 Oct 2024 16:48	AR\AJ	Ok,M
26	PSTDCCC050	PL092613.D	24 Oct 2024 17:20	AR\AJ	Ok,M
27	PB164360BS	PL092614.D	24 Oct 2024 17:38	AR\AJ	Not Ok
28	P4508-01	PL092615.D	24 Oct 2024 17:52	AR\AJ	Ok,M
29	P4508-05	PL092616.D	24 Oct 2024 18:05	AR\AJ	Ok,M
30	P4508-09	PL092617.D	24 Oct 2024 18:19	AR\AJ	Ok,M
31	P4508-09MS	PL092618.D	24 Oct 2024 18:32	AR\AJ	Ok,M
32	P4508-09MSD	PL092619.D	24 Oct 2024 18:46	AR\AJ	Ok,M
33	P4509-01	PL092620.D	24 Oct 2024 18:59	AR\AJ	Ok,M
34	P4512-03	PL092621.D	24 Oct 2024 19:12	AR\AJ	Ok,M
35	I.BLK	PL092622.D	24 Oct 2024 19:26	AR\AJ	Ok,M
36	PSTDCCC050	PL092623.D	24 Oct 2024 19:39	AR\AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102624

Review By	Abdul	Review On	10/28/2024 9:31:07 AM		
Supervise By	Ankita	Supervise On	10/28/2024 10:46:33 AM		
SubDirectory	PL102624	HP Acquire Method		HP Processing Method	pl102124 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	PL092636.D	25 Oct 2024 14:55	AR\AJ	Ok
2	I.BLK	PL092637.D	25 Oct 2024 15:08	AR\AJ	Ok,M
3	PEM	PL092638.D	25 Oct 2024 15:22	AR\AJ	Ok,M
4	PSTDCCC050	PL092639.D	25 Oct 2024 15:49	AR\AJ	Ok,M
5	PB164398BL	PL092640.D	25 Oct 2024 16:46	AR\AJ	Ok,M
6	PB164398BS	PL092641.D	25 Oct 2024 16:59	AR\AJ	Ok,M
7	PB164360BS	PL092642.D	25 Oct 2024 17:35	AR\AJ	Ok,M
8	P4531-01	PL092643.D	25 Oct 2024 17:49	AR\AJ	Ok,M
9	P4547-01	PL092644.D	25 Oct 2024 18:02	AR\AJ	Ok,M
10	P4545-01	PL092645.D	25 Oct 2024 18:15	AR\AJ	ReRun
11	P4547-05	PL092646.D	25 Oct 2024 18:29	AR\AJ	Ok,M
12	P4547-05MS	PL092647.D	25 Oct 2024 18:42	AR\AJ	Ok,M
13	P4547-05MSD	PL092648.D	25 Oct 2024 18:56	AR\AJ	Ok,M
14	I.BLK	PL092649.D	25 Oct 2024 19:09	AR\AJ	Ok,M
15	PSTDCCC050	PL092650.D	25 Oct 2024 19:49	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM		
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM		
SubDirectory	PL102124	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,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	PL092493.D	21 Oct 2024 12:06		AR\AJ	Ok
2	I.BLK	I.BLK	PL092494.D	21 Oct 2024 12:19		AR\AJ	Ok
3	PEM	PEM	PL092495.D	21 Oct 2024 12:33		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL092496.D	21 Oct 2024 12:46		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL092497.D	21 Oct 2024 13:00		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL092498.D	21 Oct 2024 13:13		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL092499.D	21 Oct 2024 13:26		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL092500.D	21 Oct 2024 13:40		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL092501.D	21 Oct 2024 13:53		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL092502.D	21 Oct 2024 14:07		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL092503.D	21 Oct 2024 14:20		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL092504.D	21 Oct 2024 14:33		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL092505.D	21 Oct 2024 14:47		AR\AJ	Ok,M
14	PCHLORICC050	PCHLORICC050	PL092506.D	21 Oct 2024 15:00		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL092507.D	21 Oct 2024 15:14		AR\AJ	Ok,M
16	PTOXICC750	PTOXICC750	PL092508.D	21 Oct 2024 15:27		AR\AJ	Ok,M
17	PTOXICC500	PTOXICC500	PL092509.D	21 Oct 2024 15:40		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL092510.D	21 Oct 2024 15:54		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM		
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM		
SubDirectory	PL102124	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,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	PL092511.D	21 Oct 2024 16:07		AR\AJ	Ok,M
20	PSTDICV050	ICVPL102124	PL092512.D	21 Oct 2024 16:21		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL102124CHLOR	PL092513.D	21 Oct 2024 16:34		AR\AJ	Ok,M
22	PTOXICV500	ICVPL102124	PL092514.D	21 Oct 2024 18:08		AR\AJ	Ok
23	I.BLK	I.BLK	PL092515.D	21 Oct 2024 18:41		AR\AJ	Ok,M
24	PEM	PEM	PL092516.D	21 Oct 2024 18:54		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL092517.D	21 Oct 2024 19:08		AR\AJ	Ok,M
26	PB164288BL	PB164288BL	PL092518.D	21 Oct 2024 19:21		AR\AJ	Ok
27	PB164288BS	PB164288BS	PL092519.D	21 Oct 2024 19:34		AR\AJ	Ok,M
28	P4455-01	SU-4-101824	PL092520.D	21 Oct 2024 19:48		AR\AJ	Ok,M
29	P4443-01	OG-315-HR-502-COMF	PL092521.D	21 Oct 2024 20:01		AR\AJ	Ok,M
30	P4443-06	OG-315-HR-502-COMF	PL092522.D	21 Oct 2024 20:15		AR\AJ	Ok,M
31	I.BLK	I.BLK	PL092523.D	21 Oct 2024 20:28		AR\AJ	Ok,M
32	PSTDCCC050	PSTDCCC050	PL092524.D	21 Oct 2024 20:42		AR\AJ	Ok,M
33	P4458-01	280517	PL092525.D	21 Oct 2024 20:55		AR\AJ	Ok,M
34	P4458-01MS	280517MS	PL092526.D	21 Oct 2024 21:08	Some compound recovery fail	AR\AJ	Ok,M
35	P4458-01MSD	280517MSD	PL092527.D	21 Oct 2024 21:22	Some compound recovery fail, RPD fail	AR\AJ	Ok,M
36	I.BLK	I.BLK	PL092528.D	21 Oct 2024 21:35		AR\AJ	Ok,M
37	PSTDCCC050	PSTDCCC050	PL092529.D	21 Oct 2024 21:49		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102124

Review By	Abdul	Review On	10/22/2024 8:47:55 AM		
Supervise By	Ankita	Supervise On	10/22/2024 9:03:18 AM		
SubDirectory	PL102124	HP Acquire Method		HP Processing Method	pl102124 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,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	

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102424

Review By	Abdul	Review On	10/25/2024 3:26:14 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:35:47 AM		
SubDirectory	PL102424	HP Acquire Method		HP Processing Method	pl102124 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	PL092588.D	24 Oct 2024 09:39		AR\AJ	Ok
2	I.BLK	I.BLK	PL092589.D	24 Oct 2024 09:53		AR\AJ	Ok
3	PEM	PEM	PL092590.D	24 Oct 2024 10:06		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL092591.D	24 Oct 2024 10:19		AR\AJ	Ok,M
5	P4467-01	TP-1	PL092592.D	24 Oct 2024 10:55		AR\AJ	Ok,M
6	P4470-01	CL-01-102124	PL092593.D	24 Oct 2024 11:08		AR\AJ	Ok,M
7	P4472-01	BP-F-28	PL092594.D	24 Oct 2024 11:22		AR\AJ	Ok,M
8	P4472-01MS	BP-F-28MS	PL092595.D	24 Oct 2024 11:35		AR\AJ	Ok,M
9	P4472-01MSD	BP-F-28MSD	PL092596.D	24 Oct 2024 11:49		AR\AJ	Ok,M
10	P4472-05	BP-F-6	PL092597.D	24 Oct 2024 12:02		AR\AJ	Ok,M
11	P4487-01	BP-B5	PL092598.D	24 Oct 2024 12:15		AR\AJ	Ok,M
12	P4487-05	BP-F27	PL092599.D	24 Oct 2024 12:29		AR\AJ	Ok,M
13	P4487-05MS	BP-F27MS	PL092600.D	24 Oct 2024 12:42		AR\AJ	Ok,M
14	P4487-05MSD	BP-F27MSD	PL092601.D	24 Oct 2024 12:56		AR\AJ	Ok,M
15	PB164360BL	PB164360BL	PL092602.D	24 Oct 2024 13:09		AR\AJ	Ok
16	PB164360BS	PB164360BS	PL092603.D	24 Oct 2024 13:22	Recovery Fail higher side ,Methoxychlor-I and Mirex-I	AR\AJ	Not Ok
17	PB164261TB	PB164261TB	PL092604.D	24 Oct 2024 13:36		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102424

Review By	Abdul	Review On	10/25/2024 3:26:14 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:35:47 AM		
SubDirectory	PL102424	HP Acquire Method		HP Processing Method	pl102124 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	

18	P4397-06	WB-301-BOT	PL092605.D	24 Oct 2024 13:49		AR\AJ	Ok,M
19	P4397-06MS	WB-301-BOTMS	PL092606.D	24 Oct 2024 14:03		AR\AJ	Ok,M
20	P4397-06MSD	WB-301-BOTMSD	PL092607.D	24 Oct 2024 14:16		AR\AJ	Ok,M
21	P4460-04	WB-303-BOT	PL092608.D	24 Oct 2024 14:30		AR\AJ	Ok,M
22	P4486-01	EO-03-102224	PL092609.D	24 Oct 2024 16:04		AR\AJ	Ok,M
23	PB164365BS	PB164365BS	PL092610.D	24 Oct 2024 16:17		AR\AJ	Ok,M
24	PB164365BL	PB164365BL	PL092611.D	24 Oct 2024 16:35		AR\AJ	Ok,M
25	I.BLK	I.BLK	PL092612.D	24 Oct 2024 16:48		AR\AJ	Ok,M
26	PSTDCCC050	PSTDCCC050	PL092613.D	24 Oct 2024 17:20		AR\AJ	Ok,M
27	PB164360BS	PB164360BS	PL092614.D	24 Oct 2024 17:38	Recovery Fail Higher side, Methoxychlor-I	AR\AJ	Not Ok
28	P4508-01	TP-3	PL092615.D	24 Oct 2024 17:52		AR\AJ	Ok,M
29	P4508-05	BP-F23	PL092616.D	24 Oct 2024 18:05		AR\AJ	Ok,M
30	P4508-09	BP-F22	PL092617.D	24 Oct 2024 18:19		AR\AJ	Ok,M
31	P4508-09MS	BP-F22MS	PL092618.D	24 Oct 2024 18:32		AR\AJ	Ok,M
32	P4508-09MSD	BP-F22MSD	PL092619.D	24 Oct 2024 18:46		AR\AJ	Ok,M
33	P4509-01	AU-06-10232024	PL092620.D	24 Oct 2024 18:59		AR\AJ	Ok,M
34	P4512-03	VNJ-212	PL092621.D	24 Oct 2024 19:12		AR\AJ	Ok,M
35	I.BLK	I.BLK	PL092622.D	24 Oct 2024 19:26		AR\AJ	Ok,M
36	PSTDCCC050	PSTDCCC050	PL092623.D	24 Oct 2024 19:39		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102424

Review By	Abdul	Review On	10/25/2024 3:26:14 PM		
Supervise By	Ankita	Supervise On	10/28/2024 10:35:47 AM		
SubDirectory	PL102424	HP Acquire Method		HP Processing Method	pl102124 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	

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102624

Review By	Abdul	Review On	10/28/2024 9:31:07 AM		
Supervise By	Ankita	Supervise On	10/28/2024 10:46:33 AM		
SubDirectory	PL102624	HP Acquire Method		HP Processing Method	pl102124 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	PL092636.D	25 Oct 2024 14:55		AR\AJ	Ok
2	I.BLK	I.BLK	PL092637.D	25 Oct 2024 15:08		AR\AJ	Ok,M
3	PEM	PEM	PL092638.D	25 Oct 2024 15:22		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL092639.D	25 Oct 2024 15:49		AR\AJ	Ok,M
5	PB164398BL	PB164398BL	PL092640.D	25 Oct 2024 16:46		AR\AJ	Ok,M
6	PB164398BS	PB164398BS	PL092641.D	25 Oct 2024 16:59		AR\AJ	Ok,M
7	PB164360BS	PB164360BS	PL092642.D	25 Oct 2024 17:35		AR\AJ	Ok,M
8	P4531-01	OR-03-102424	PL092643.D	25 Oct 2024 17:49		AR\AJ	Ok,M
9	P4547-01	BP-F-21	PL092644.D	25 Oct 2024 18:02		AR\AJ	Ok,M
10	P4545-01	VNJ-215	PL092645.D	25 Oct 2024 18:15	Surrogate Fail in both column , Decachlorobiphenyl	AR\AJ	ReRun
11	P4547-05	BP-F-20	PL092646.D	25 Oct 2024 18:29		AR\AJ	Ok,M
12	P4547-05MS	BP-F-20MS	PL092647.D	25 Oct 2024 18:42		AR\AJ	Ok,M
13	P4547-05MSD	BP-F-20MSD	PL092648.D	25 Oct 2024 18:56		AR\AJ	Ok,M
14	I.BLK	I.BLK	PL092649.D	25 Oct 2024 19:09		AR\AJ	Ok,M
15	PSTDCCC050	PSTDCCC050	PL092650.D	25 Oct 2024 19:49		AR\AJ	Ok,M

M : Manual Integration

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TCLP EXTRACTION LOGPAGE

PB164261

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 10/18/2024 **Time :** 17:00

End Prep Date : 10/19/2024 **Time :** 10:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	N/A
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Tumbler T-1 CHECKED,30 RPM. Particle size reduction is not required. p4460-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 0810	JP TCLP Room	JPP EXT
	Preparation Group	Analysis Group VOA pick

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TCLP EXTRACTION LOGPAGE

PB164261

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4397-06	WB-301-BOT	01	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4443-05	OG-315-HR-502-COMP-29	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P4443-10	OG-315-HR-502-COMP-30	03	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4458-02	280517	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4460-04	WB-303-BOT	05	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
PB164261TB	LEB261	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4397-06	WB-301-BOT	N/A	N/A	N/A	N/A	100	N/A
P4443-05	OG-315-HR-502-COMP-29	N/A	N/A	N/A	N/A	100	N/A
P4443-10	OG-315-HR-502-COMP-30	N/A	N/A	N/A	N/A	100	N/A
P4458-02	280517	N/A	N/A	N/A	N/A	100	N/A
P4460-04	WB-303-BOT	N/A	N/A	N/A	N/A	100	N/A
PB164261TB	LEB261	N/A	N/A	N/A	N/A	N/A	N/A

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TCLP Fluid Determination

PB164261

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4397-06	WB-301-BOT	5.02	96.5	7.4	2.5	#1	4.93
P4443-05	OG-315-HR-502-COMP-29	5.03	96.5	7.6	2.5	#1	4.93
P4443-10	OG-315-HR-502-COMP-30	5.02	96.5	6.0	2.0	#1	4.93
P4458-02	280517	5.01	96.5	7.6	2.5	#1	4.93
P4460-04	WB-303-BOT	5.02	96.5	8.4	3.0	#1	4.93
PB164261TB	LEB261	N/A	N/A	N/A	N/A	#1	4.93

P4460

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP P4397 **WorkList ID :** 184595 **Department :** TCLP Extraction **Date :** 10-18-2024 14:05:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4397-06	WB-301-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06		10/10/2024	1311
P4443-05	OG-315-HR-502-COMP-29	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311
P4443-10	OG-315-HR-502-COMP-30	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311
P4458-02	280517	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/18/2024	1311
P4460-04	WB-303-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06	K51	10/18/2024	1311

699 of 1693

Date/Time 10.18.24 16:20

Raw Sample Received by: JQ WPC

Raw Sample Relinquished by: CP SR

Date/Time 10.18.24 18:30

Raw Sample Received by: SR

Raw Sample Relinquished by: JQ WPC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164360

SOP ID: M3510C,3580A-Extraction Pesticide-16

Clean Up SOP #: N/A

Matrix : Water

Weigh By: EH

Extraction By: RJ

Balance check: RJ

Filter By: RJ

Balance ID: N/A

pH Meter ID: N/A

pH Strip Lot#: N/A

Hood ID: 4,6,7

Extraction Start Date : 10/22/2024

Extraction Start Time : 10:10

Extraction End Date : 10/22/2024

Extraction End Time : 16:00

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	500 PPB	PP23638
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	EP2539
Baked Na2SO4	N/A	EP2546
Sand	N/A	E2865
Hexane	N/A	E3819
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: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/24	RP (Ext. Lab)	Y. P. Pest PCB.
16:05	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164360

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 10/22/2024

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164261TB	PB164261TB	TCLP Pesticide	100	6	RUPESH	rajesh	10			SEP-10
PB164360BL	PBLK360	TCLP Pesticide	1000	6	RUPESH	rajesh	10			11
PB164360BS	PLCS360	TCLP Pesticide	1000	6	RUPESH	rajesh	10			12
P4397-06	WB-301-BOT	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		13
P4397-06MS	WB-301-BOTMS	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		14
P4397-06MSD	WB-301-BOTMSD	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		15
P4460-04	WB-303-BOT	TCLP Pesticide	100	6	RUPESH	rajesh	10	A		16

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

10/22/24

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164261

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Pr Pc
P4397-06	WB-301-BOT	01	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4443-05	OG-315-HR-502-COMP-29	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P4443-10	OG-315-HR-502-COMP-30	03	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4458-02	280517	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4460-04	WB-303-BOT	05	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
PB164261TB	LEB261	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

10/21/2024

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

LAB CHRONICLE

OrderID:	P4460	**OrderDate:**	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	**WB-303-TOP**	**SOIL**			**10/18/24**			**10/18/24**
			PCB	8082A		10/21/24	10/21/24	
			EPH	NJEPH		10/22/24	10/23/24	
P4460-03	**WB-303-BOT**	**SOIL**			**10/18/24**			**10/18/24**
			PCB	8082A		10/21/24	10/21/24	
			EPH	NJEPH		10/22/24	10/23/24	
P4460-03DL	**WB-303-BOTDL**	**Solid**			**10/18/24**			**10/18/24**
			EPH	NJEPH		10/22/24	10/23/24	
P4460-04	**WB-303-BOT**	**TCLP**			**10/18/24**			**10/18/24**
			TCLP Pesticide	8081B		10/22/24	10/24/24	
P4460-06	**WB-303-SW**	**WATER**			**10/18/24**			**10/18/24**
			PCB	8082A		10/23/24	10/23/24	
			EPH	NJEPH		10/23/24	10/24/24	

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Hit Summary Sheet
SW-846

SDG No.: P4460 **Order ID:** P4460

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	51.5 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
PO107315.D	1	10/21/24 10:10	10/21/24 20:22	PB164287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	6.60	U	6.60	33.0	ug/kg
11104-28-2	Aroclor-1221	12.4	U	12.4	33.0	ug/kg
11141-16-5	Aroclor-1232	6.60	U	6.60	33.0	ug/kg
53469-21-9	Aroclor-1242	6.60	U	6.60	33.0	ug/kg
12672-29-6	Aroclor-1248	15.3	U	15.3	33.0	ug/kg
11097-69-1	Aroclor-1254	5.30	U	5.30	33.0	ug/kg
37324-23-5	Aroclor-1262	8.90	U	8.90	33.0	ug/kg
11100-14-4	Aroclor-1268	6.70	U	6.70	33.0	ug/kg
11096-82-5	Aroclor-1260	5.60	U	5.60	33.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.0		30 (32) - 150 (144)	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.3		30 (32) - 150 (175)	57%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	80.1 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
PO107316.D	1	10/21/24 10:10	10/21/24 20:40	PB164287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	21.2	ug/kg
11104-28-2	Aroclor-1221	8.00	U	8.00	21.2	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	21.2	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	21.2	ug/kg
12672-29-6	Aroclor-1248	9.80	U	9.80	21.2	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	21.2	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	21.2	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	21.2	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	21.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.0		30 (32) - 150 (144)	90%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.9		30 (32) - 150 (175)	74%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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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
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	490 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068179.D	1	10/23/24 08:53	10/23/24 19:26	PB164342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.51	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.51	ug/L
11141-16-5	Aroclor-1232	0.38	U	0.38	0.51	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.51	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.51	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.51	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.51	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.51	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.51	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		30 (10) - 150 (157)	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.7		30 (10) - 150 (173)	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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

Surrogate Summary

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO107183.D	PIBLK-PO107183.D	Tetrachloro-m-xylene	1	20	22.5	112		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.4	117		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.8	114		70 (60)	130 (140)
I.BLK-PO107297.D	PIBLK-PO107297.D	Tetrachloro-m-xylene	1	20	24.1	121		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.0	115		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	24.1	120		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.6	113		70 (60)	130 (140)
PB164287BL	PB164287BL	Tetrachloro-m-xylene	1	20	21.4	107		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.7	108		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.4	107		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.9	110		30 (32)	150 (175)
PB164287BS	PB164287BS	Tetrachloro-m-xylene	1	20	21.8	109		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.5	107		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.3	106		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.9	114		30 (32)	150 (175)
P4455-01MS	SU-4-101824MS	Tetrachloro-m-xylene	1	20	16.1	81		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	16.3	82		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	23.2	116		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	14.3	71		30 (32)	150 (175)
P4455-01MSD	SU-4-101824MSD	Tetrachloro-m-xylene	1	20	18.2	91		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	15.0	75		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	23.4	117		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	13.3	67		30 (32)	150 (175)
I.BLK-PO107312.D	PIBLK-PO107312.D	Tetrachloro-m-xylene	1	20	24.2	121		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	29.0	145	*	70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	24.2	121		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	27.2	136	*	70 (60)	130 (140)
P4460-02	WB-303-TOP	Tetrachloro-m-xylene	1	20	11.7	59		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	10.4	52		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	17.0	85		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	11.3	57		30 (32)	150 (175)
P4460-03	WB-303-BOT	Tetrachloro-m-xylene	1	20	16.4	82		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	14.9	74		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.0	90		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	13.2	66		30 (32)	150 (175)
I.BLK-PO107327.D	PIBLK-PO107327.D	Tetrachloro-m-xylene	1	20	24.4	122		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.9	110		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	24.4	122		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.4	107		70 (60)	130 (140)
I.BLK-PP067586.D	PIBLK-PP067586.D	Tetrachloro-m-xylene	1	20	21.1	105		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP067586.D	PIBLK-PP067586.D	Decachlorobiphenyl	1	20	23.6	118		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.5	117		70 (60)	130 (140)
I.BLK-PP068170.D	PIBLK-PP068170.D	Tetrachloro-m-xylene	1	20	20.8	104		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.9	110		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.5	98		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.9	104		70 (60)	130 (140)
PB164342BL	PB164342BL	Tetrachloro-m-xylene	1	20	20.1	101		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	21.6	108		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	19.0	95		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	21.1	105		30 (10)	150 (173)
PB164342BS	PB164342BS	Tetrachloro-m-xylene	1	20	20.8	104		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	21.4	107		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	18.0	90		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	20.9	104		30 (10)	150 (173)
PB164342BSD	PB164342BSD	Tetrachloro-m-xylene	1	20	20.6	103		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	22.2	111		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	18.4	92		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	21.6	108		30 (10)	150 (173)
P4460-06	WB-303-SW	Tetrachloro-m-xylene	1	20	18.5	92		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	20.7	104		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	17.9	89		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	19.9	100		30 (10)	150 (173)
I.BLK-PP068184.D	PIBLK-PP068184.D	Tetrachloro-m-xylene	1	20	20.9	105		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	22.5	112		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.6	98		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.6	108		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.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **DataFile :** PO107305.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:	**SU-4-101824MS**											
P4455-01MS	AR1016	182.8	0	158	ug/kg	86				40 (55)	140 (146)	
	AR1260	182.8	0	158	ug/kg	86				40 (45)	140 (144)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **DataFile :** PO107306.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:	**SU-4-101824MSD**											
P4455-01MSD	AR1016	183.1	0	171	ug/kg	93		8		40 (55)	140 (146)	30 (20)
	AR1260	183.1	0	160	ug/kg	87		1		40 (45)	140 (144)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **Datafile :** PO107300.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164287BS	AR1016	166.5	154	ug/kg	92				40 (71)	140 (120)	
	AR1260	166.5	160	ug/kg	96				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **Datafile :** PP068176.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164342BS	AR1016	5	4.40	ug/L	88				40 (61)	140 (112)	
	AR1260	5	3.90	ug/L	78				40 (66)	140 (113)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **Datafile :** PP068177.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164342BSD	AR1016	5	4.30	ug/L	86	2			40 (61)	140 (112)	20 (20)
	AR1260	5	4.00	ug/L	80	3			40 (66)	140 (113)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164287BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: PB164287BL Lab File ID: PO107299.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 10/21/2024

Date Analyzed (1): 10/21/2024 Date Analyzed (2): 10/21/2024

Time Analyzed (1): 14:49 Time Analyzed (2): 14:49

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
PB164287BS	PB164287BS	PO107300.D	10/21/2024	10/21/2024
SU-4-101824MS	P4455-01MS	PO107305.D	10/21/2024	10/21/2024
SU-4-101824MSD	P4455-01MSD	PO107306.D	10/21/2024	10/21/2024
WB-303-TOP	P4460-02	PO107315.D	10/21/2024	10/21/2024
WB-303-BOT	P4460-03	PO107316.D	10/21/2024	10/21/2024

COMMENTS:

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164342BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: PB164342BL Lab File ID: PP068175.D

Matrix: (soil/water) WATER Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/23/2024

Date Analyzed (1): 10/23/2024 Date Analyzed (2): 10/23/2024

Time Analyzed (1): 18:22 Time Analyzed (2): 18:22

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164342BS	PB164342BS	PP068176.D	10/23/2024	10/23/2024
PB164342BSD	PB164342BSD	PP068177.D	10/23/2024	10/23/2024
WB-303-SW	P4460-06	PP068179.D	10/23/2024	10/23/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164287BL	SDG No.:	P4460
Lab Sample ID:	PB164287BL	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
PO107299.D	1	10/21/24 10:10	10/21/24 14:49	PB164287

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	21.4		30 (32) - 150 (144)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		30 (32) - 150 (175)	110%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164342BL	SDG No.:	P4460
Lab Sample ID:	PB164342BL	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 :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068175.D	1	10/23/24 08:53	10/23/24 18:22	PB164342

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
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
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		30 (10) - 150 (157)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		30 (10) - 150 (173)	108%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/15/24
Client Sample ID:	PIBLK-PO107183.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PO107183.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
PO107183.D	1		10/15/24	po101524

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	22.1		70 (60) - 130 (140)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		70 (60) - 130 (140)	114%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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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:	Portal Partners Tri-Venture	Date Collected:	10/21/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	PIBLK-PO107297.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PO107297.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
PO107297.D	1		10/21/24	PO102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.1		70 (60) - 130 (140)	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		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
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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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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/21/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	PIBLK-PO107312.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PO107312.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
PO107312.D	1		10/21/24	PO102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.2		70 (60) - 130 (140)	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	27.2	*	70 (60) - 130 (140)	136%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/22/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/22/24
Client Sample ID:	PIBLK-PO107327.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PO107327.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
PO107327.D	1		10/22/24	PO102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.4		70 (60) - 130 (140)	122%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.4		70 (60) - 130 (140)	107%	SPK: 20

Comments:

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/08/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/08/24
Client Sample ID:	PIBLK-PP067586.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PP067586.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
PP067586.D	1		10/08/24	pp100824

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	23.5		70 (60) - 130 (140)	117%	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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Q = indicates LCS control criteria did not meet requirements
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/23/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/23/24
Client Sample ID:	PIBLK-PP068170.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PP068170.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
PP068170.D	1		10/23/24	pp102324

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	19.5		70 (60) - 130 (140)	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		70 (60) - 130 (140)	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/23/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/23/24
Client Sample ID:	PIBLK-PP068184.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PP068184.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
PP068184.D	1		10/23/24	pp102324

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	19.6		70 (60) - 130 (140)	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		70 (60) - 130 (140)	108%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164287BS	SDG No.:	P4460
Lab Sample ID:	PB164287BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107300.D	1	10/21/24 10:10	10/21/24 15:07	PB164287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	154		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	160		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		30 (32) - 150 (144)	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.9		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
B = Analyte Found in Associated Method Blank
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164342BS	SDG No.:	P4460
Lab Sample ID:	PB164342BS	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 :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068176.D	1	10/23/24 08:53	10/23/24 18:38	PB164342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.40		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
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
11096-82-5	Aroclor-1260	3.90		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		30 (10) - 150 (157)	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.4		30 (10) - 150 (173)	107%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164342BSD	SDG No.:	P4460
Lab Sample ID:	PB164342BSD	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 :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068177.D	1	10/23/24 08:53	10/23/24 18:54	PB164342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.30		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
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
11096-82-5	Aroclor-1260	4.00		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		30 (10) - 150 (157)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		30 (10) - 150 (173)	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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	SU-4-101824MS	SDG No.:	P4460
Lab Sample ID:	P4455-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91 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
PO107305.D	1	10/21/24 10:10	10/21/24 16:38	PB164287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	158		3.70	18.7	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.7	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.7	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.7	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.7	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.7	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.7	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.7	ug/kg
11096-82-5	Aroclor-1260	158		3.20	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.2		30 (32) - 150 (144)	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		30 (32) - 150 (175)	82%	SPK: 20

Comments:

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LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	SU-4-101824MSD	SDG No.:	P4460
Lab Sample ID:	P4455-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91 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
PO107306.D	1	10/21/24 10:10	10/21/24 16:56	PB164287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	171		3.70	18.7	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.7	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.7	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.7	ug/kg
12672-29-6	Aroclor-1248	8.70	U	8.70	18.7	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.7	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.7	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.7	ug/kg
11096-82-5	Aroclor-1260	160		3.20	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.4		30 (32) - 150 (144)	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.0		30 (32) - 150 (175)	75%	SPK: 20

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

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CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID: RT 1000 = PO107184.D RT 750 = PO107185.D

RT 500 = PO107186.D RT 250 = PO107187.D RT 050 = PO107188.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1016-2	(2)	5.54	5.55	5.55	5.54	5.54	5.54	5.44	5.64
Aroclor-1016-3	(3)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Aroclor-1016-4	(4)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1016-5	(5)	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1260-1	(1)	7.12	7.13	7.13	7.12	7.13	7.13	7.03	7.23
Aroclor-1260-2	(2)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1260-3	(3)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1260-4	(4)	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
Aroclor-1260-5	(5)	8.28	8.28	8.28	8.28	8.28	8.28	8.18	8.38
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1242-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1242-2	(2)	5.55	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Aroclor-1242-3	(3)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Aroclor-1242-4	(4)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1242-5	(5)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1248-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
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)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1248-5	(5)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1254-1	(1)	6.37	6.37	6.38	6.37	6.38	6.37	6.27	6.47
Aroclor-1254-2	(2)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Aroclor-1254-3	(3)	6.96	6.96	6.96	6.96	6.96	6.96	6.86	7.06
Aroclor-1254-4	(4)	7.24	7.24	7.24	7.24	7.24	7.24	7.14	7.34
Aroclor-1254-5	(5)	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1268-1	(1)	8.59	8.59	8.59	8.59	8.59	8.59	8.49	8.69
Aroclor-1268-2	(2)	8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Aroclor-1268-3	(3)	8.91	8.91	8.91	8.91	8.91	8.91	8.81	9.01
Aroclor-1268-4	(4)	9.31	9.31	9.31	9.31	9.31	9.31	9.21	9.41
Aroclor-1268-5	(5)	9.72	9.72	9.72	9.72	9.72	9.72	9.62	9.82

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
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: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID: RT 1000 = PO107184.D RT 750 = PO107185.D

RT 500 = PO107186.D RT 250 = PO107187.D RT 050 = PO107188.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1016-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1016-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1260-1	(1)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1260-2	(2)	6.39	6.39	6.39	6.39	6.40	6.39	6.29	6.49
Aroclor-1260-3	(3)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-4	(4)	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aroclor-1260-5	(5)	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.65	3.64	3.64	3.64	3.54	3.74
Aroclor-1242-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1242-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1242-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-4	(4)	5.00	5.01	5.00	5.01	5.00	5.00	4.90	5.10
Aroclor-1242-5	(5)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.64	3.65	3.64	3.64	3.54	3.74
Aroclor-1248-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1248-2	(2)	4.96	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)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-5	(5)	5.57	5.57	5.57	5.57	5.57	5.57	5.47	5.67
Decachlorobiphenyl		8.64	8.64	8.64	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-1254-1	(1)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1254-2	(2)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1254-3	(3)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1254-4	(4)	6.30	6.30	6.30	6.31	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	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.64	3.64	3.64	3.65	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)	7.61	7.61	7.61	7.61	7.61	7.61	7.51	7.71
Aroclor-1268-3	(3)	7.81	7.81	7.81	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1268-5	(5)	8.39	8.39	8.39	8.39	8.39	8.39	8.29	8.49

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene	3.65	3.64	3.65	3.64	3.65	3.65	3.55	3.75

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID: CF 1000 = PO107184.D CF 750 = PO107185.D

CF 500 = PO107186.D CF 250 = PO107187.D CF 050 = PO107188.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	252081604	261702867	271939076	291118488	272229420	269814291	5
Aroclor-1016-2	(2)	373760062	383028583	397887352	419075308	410673320	396884925	5
Aroclor-1016-3	(3)	234678633	244145249	256575754	276405664	244042480	251169556	6
Aroclor-1016-4	(4)	185622493	193848624	202963902	215081552	165543020	192611918	10
Aroclor-1016-5	(5)	176326470	182141932	191487930	203514892	159796500	182653545	9
Aroclor-1260-1	(1)	238480871	246497651	259155974	277220676	271587560	258588546	6
Aroclor-1260-2	(2)	243402558	251747185	264083512	284216460	272650860	263220115	6
Aroclor-1260-3	(3)	167353086	171560129	181491762	195138068	183182660	179745141	6
Aroclor-1260-4	(4)	162125557	166999933	175289716	187582032	185522120	175503872	6
Aroclor-1260-5	(5)	268686175	273623828	283035894	299271412	297351500	284393762	5
Decachlorobiphenyl		2362750210	2427138920	2496479000	2603827440	2376686800	2453376474	4
Tetrachloro-m-xylene		8902656430	9087809293	9285762860	9548006280	8745262400	9113899453	3
Aroclor-1242-1	(1)	207947063	205572916	222208808	238956456	243522880	223641625	8
Aroclor-1242-2	(2)	302439626	299949616	323550412	342804408	348858880	323520588	7
Aroclor-1242-3	(3)	191912697	193178427	209638152	224306728	225847640	208976729	8
Aroclor-1242-4	(4)	150447174	145338196	162797508	173135964	168308740	160005516	7
Aroclor-1242-5	(5)	141009343	143408436	153689098	164623016	179679780	156481935	10
Decachlorobiphenyl		2339420350	2427742867	2492700840	2551827400	2426410200	2447620331	3
Tetrachloro-m-xylene		8860043620	8651743680	9146784160	9504075440	9174828800	9067495140	4
Aroclor-1248-1	(1)	155913014	164800668	175191332	184609772	188867720	173876501	8
Aroclor-1248-2	(2)	222845576	238202488	253637968	270074056	280366620	253025342	9
Aroclor-1248-3	(3)	231904923	246233752	259706092	274388212	266197800	255686156	7
Aroclor-1248-4	(4)	237210289	246633865	260533272	272872732	271860120	257822056	6
Aroclor-1248-5	(5)	236273499	246591072	260733536	276314120	280304600	260043365	7
Decachlorobiphenyl		2339780580	2371533013	2504089680	2566158680	2396701200	2435652631	4
Tetrachloro-m-xylene		8719403610	9119992693	9358904180	9492784200	8995773400	9137371617	3
Aroclor-1254-1	(1)	246822697	256579683	264992242	286189960	289157060	268748328	7
Aroclor-1254-2	(2)	348120894	361641555	373031238	401237980	402995760	377405485	6
Aroclor-1254-3	(3)	336293322	345653409	355909306	378498460	372630440	357796987	5
Aroclor-1254-4	(4)	213138598	220171503	227187688	242530220	244046960	229414994	6
Aroclor-1254-5	(5)	194609638	201069208	205869028	220139672	216546640	207646837	5
Decachlorobiphenyl		2357746210	2401897693	2508594000	2601578200	2359367400	2445836701	4
Tetrachloro-m-xylene		8883763230	9164627320	9184369060	9508828480	8791509400	9106619498	3
Aroclor-1268-1	(1)	351862425	352413819	364622844	381760528	369380480	364008019	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	313096403	314491445	324862806	339637696	320299560	322477582	3
Aroclor-1268-3	(3)	272236453	272760276	282620036	293538700	275661940	279363481	3
Aroclor-1268-4	(4)	112236308	111261111	114714594	116428084	101458340	111219687	5
Aroclor-1268-5	(5)	836674479	833098204	847063314	864357444	781067560	832452200	4
Decachlorobiphenyl		4074190590	4136234160	4241958160	4399826360	4004084600	4171258774	4
Tetrachloro-m-xylene		9139601460	8935957933	9311606620	9495189880	8951901000	9166851379	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID: **CF 1000 =** PO107184.D **CF 750 =** PO107185.D

CF 500 = PO107186.D **CF 250 =** PO107187.D **CF 050 =** PO107188.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	98519363	99934743	102532802	106601384	108740020	103265662	4
Aroclor-1016-2	(2)	140533795	142751421	144315942	146877552	130360060	140967754	5
Aroclor-1016-3	(3)	75819146	77111448	78799028	81783348	80215260	78745646	3
Aroclor-1016-4	(4)	61532960	63413097	65607722	69564368	70423600	66108349	6
Aroclor-1016-5	(5)	78878086	80970861	83522668	86940988	80356660	82133853	4
Aroclor-1260-1	(1)	150450531	152030172	155131756	161942364	156218200	155154605	3
Aroclor-1260-2	(2)	173752920	181526657	184104290	189736236	151457920	176115605	8
Aroclor-1260-3	(3)	168454604	170292340	172108108	175991544	151894120	167748143	6
Aroclor-1260-4	(4)	143637024	144895129	147115166	150514212	137242140	144680734	3
Aroclor-1260-5	(5)	340738400	339782780	336796716	340391952	289493480	329440666	7
Decachlorobiphenyl		2730622670	2745732653	2784792900	2852828640	2594005000	2741596373	3
Tetrachloro-m-xylene		3312014480	3338472613	3349065240	3230716080	2862214000	3218496483	6
Aroclor-1242-1	(1)	80390662	80447493	83937762	87266896	86674240	83743411	4
Aroclor-1242-2	(2)	114487494	111266404	117741916	120667112	114031640	115638913	3
Aroclor-1242-3	(3)	61817452	60461905	64396992	66865868	63624080	63433259	4
Aroclor-1242-4	(4)	60582529	60636219	64384594	68045260	66598220	64049364	5
Aroclor-1242-5	(5)	73763103	75675432	77215916	80736528	80226620	77523520	4
Decachlorobiphenyl		2686985320	2764418280	2764436780	2798541920	2665265400	2735929540	2
Tetrachloro-m-xylene		3315724680	3241948653	3341198040	3335574400	2920075400	3230904235	6
Aroclor-1248-1	(1)	60218805	63038185	64879120	66667236	62402400	63441149	4
Aroclor-1248-2	(2)	85173308	89108361	93061950	96541480	93540340	91485088	5
Aroclor-1248-3	(3)	89257070	93226611	97377878	100891904	96212540	95393201	5
Aroclor-1248-4	(4)	105934439	110533117	114760412	117772688	111691080	112138347	4
Aroclor-1248-5	(5)	102828085	105359652	109801380	114217964	119140640	110269544	6
Decachlorobiphenyl		2669365810	2682497173	2791873700	2836714480	2679938000	2732077833	3
Tetrachloro-m-xylene		3278417600	3389239440	3425836480	3362184040	2965722400	3284279992	6
Aroclor-1254-1	(1)	159855276	163854537	165548332	171717704	162964860	164788142	3
Aroclor-1254-2	(2)	138468840	142269335	144546922	151325972	148203140	144962842	3
Aroclor-1254-3	(3)	227061110	231385951	232213406	238575248	218867080	229620559	3
Aroclor-1254-4	(4)	128242906	130249965	131325350	135207044	122091880	129423429	4
Aroclor-1254-5	(5)	191904554	195153152	195378104	201188864	171636600	191052255	6
Decachlorobiphenyl		2726927150	2738190720	2773447120	2836815760	2598739800	2734824110	3
Tetrachloro-m-xylene		3347799560	3397335627	3354246660	3362236280	2930639600	3278451545	6
Aroclor-1268-1	(1)	419191400	409991492	413863584	410849472	368955300	404570250	5

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	389672996	380096764	383518208	378699872	334345600	373266688	6
Aroclor-1268-3	(3)	345284332	337828173	339535756	338755760	307004380	333681680	5
Aroclor-1268-4	(4)	129107993	127445005	127285362	129260796	113749480	125369727	5
Aroclor-1268-5	(5)	1049237500	1019311260	1017080130	996315476	856840280	987756929	8
Decachlorobiphenyl		4873889790	4739451973	4823511780	4890043960	4430545400	4751488581	4
Tetrachloro-m-xylene		3440286630	3329771373	3416104800	3331345720	2963806400	3296262985	6

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_O **Date(s) Analyzed:** 10/15/2024 10/16/2024

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	110010000
		2	4.66	4.56	4.76	78836600
		3	4.73	4.63	4.83	234100000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.73	4.63	4.83	195844000
		2	5.26	5.16	5.36	103025000
		3	5.54	5.44	5.64	179001000
		4	5.70	5.60	5.80	90165400
		5	5.80	5.70	5.90	65903200
Aroclor-1262	500	1	7.74	7.64	7.84	245548000
		2	8.28	8.18	8.38	309420000
		3	8.59	8.49	8.69	209196000
		4	8.68	8.58	8.78	163066000
		5	9.32	9.22	9.42	102764000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_O **Date(s) Analyzed:** 10/15/2024 10/16/2024

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	3.86	3.76	3.96	34895600
		2	3.94	3.84	4.04	26624800
		3	4.02	3.92	4.12	81218600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	67327000
		2	4.75	4.65	4.85	63205200
		3	4.92	4.82	5.02	34475000
		4	5.00	4.90	5.10	31466000
		5	5.18	5.08	5.28	33083400
Aroclor-1262	500	1	6.76	6.66	6.86	212876000
		2	7.26	7.16	7.36	363332000
		3	7.54	7.44	7.64	137384000
		4	7.61	7.51	7.71	264574000
		5	8.10	8.00	8.20	112833000

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID: RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1016-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1016-3	(3)	6.00	6.00	6.01	6.00	6.01	6.00	5.90	6.10
Aroclor-1016-4	(4)	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aroclor-1016-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1260-1	(1)	7.52	7.52	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-2	(2)	7.77	7.77	7.78	7.77	7.77	7.77	7.67	7.87
Aroclor-1260-3	(3)	8.13	8.14	8.14	8.14	8.14	8.14	8.04	8.24
Aroclor-1260-4	(4)	8.37	8.37	8.38	8.37	8.37	8.37	8.27	8.47
Aroclor-1260-5	(5)	8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene		4.75	4.75	4.76	4.75	4.76	4.75	4.65	4.85
Aroclor-1242-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1242-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1242-3	(3)	6.01	6.01	6.00	6.01	6.01	6.01	5.91	6.11
Aroclor-1242-4	(4)	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Aroclor-1242-5	(5)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene		4.76	4.76	4.75	4.76	4.75	4.75	4.65	4.85
Aroclor-1248-1	(1)	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1248-2	(2)	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
Aroclor-1248-3	(3)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1248-4	(4)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Aroclor-1248-5	(5)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.66	10.67	10.57	10.77
Tetrachloro-m-xylene		4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1254-1	(1)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Aroclor-1254-2	(2)	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
Aroclor-1254-3	(3)	7.36	7.36	7.35	7.36	7.36	7.36	7.26	7.46
Aroclor-1254-4	(4)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1254-5	(5)	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.66	10.67	10.57	10.77
Tetrachloro-m-xylene		4.76	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1268-1	(1)	9.05	9.04	9.04	9.04	9.04	9.04	8.94	9.14
Aroclor-1268-2	(2)	9.15	9.14	9.14	9.14	9.14	9.14	9.04	9.24
Aroclor-1268-3	(3)	9.40	9.39	9.40	9.39	9.40	9.40	9.30	9.50
Aroclor-1268-4	(4)	9.84	9.84	9.84	9.84	9.84	9.84	9.74	9.94
Aroclor-1268-5	(5)	10.30	10.29	10.29	10.29	10.29	10.29	10.19	10.39

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene	4.76	4.75	4.75	4.75	4.75	4.75	4.65	4.85

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID: RT 1000 = PP067587.D RT 750 = PP067588.D

RT 500 = PP067589.D RT 250 = PP067590.D RT 050 = PP067591.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1016-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1016-3	(3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1016-4	(4)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1016-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1260-1	(1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1260-2	(2)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-3	(3)	7.01	7.01	7.01	7.01	7.01	7.01	6.91	7.11
Aroclor-1260-4	(4)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Aroclor-1260-5	(5)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1242-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-3	(3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1242-4	(4)	5.45	5.45	5.45	5.44	5.45	5.45	5.35	5.55
Aroclor-1242-5	(5)	5.97	5.98	5.98	5.97	5.98	5.98	5.88	6.08
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1248-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-2	(2)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1248-3	(3)	5.44	5.45	5.44	5.44	5.45	5.44	5.34	5.54
Aroclor-1248-4	(4)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1248-5	(5)	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1254-1	(1)	5.98	5.97	5.98	5.98	5.98	5.98	5.88	6.08
Aroclor-1254-2	(2)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-3	(3)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1254-4	(4)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1254-5	(5)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Decachlorobiphenyl		9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1268-1	(1)	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
Aroclor-1268-2	(2)	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
Aroclor-1268-3	(3)	8.29	8.29	8.29	8.29	8.29	8.29	8.19	8.39
Aroclor-1268-4	(4)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70
Aroclor-1268-5	(5)	8.93	8.93	8.93	8.92	8.93	8.93	8.83	9.03

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.22	9.22	9.22	9.22	9.22	9.22	9.12	9.32
Tetrachloro-m-xylene	4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID: **CF 1000 =** PP067587.D **CF 750 =** PP067588.D

CF 500 = PP067589.D **CF 250 =** PP067590.D **CF 050 =** PP067591.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	31263736	32233361	34196172	36221284	31418860	33066683	6
Aroclor-1016-2	(2)	45702590	47619661	49829602	53216480	47485960	48770859	6
Aroclor-1016-3	(3)	29655293	30980703	32521866	34545868	29856000	31511946	6
Aroclor-1016-4	(4)	24305642	24965132	26130902	27480568	25835960	25743641	5
Aroclor-1016-5	(5)	25253642	26507995	28106138	29556500	25910240	27066903	6
Aroclor-1260-1	(1)	48881600	51062627	53497292	60189956	56487000	54023695	8
Aroclor-1260-2	(2)	57303356	59473712	62743556	68896016	67937280	63270784	8
Aroclor-1260-3	(3)	47767972	49860571	52672962	57075820	51866880	51848841	7
Aroclor-1260-4	(4)	55679811	58146343	61152700	66302976	59690240	60194414	7
Aroclor-1260-5	(5)	101142428	103711039	108382514	116162164	109162380	107712105	5
Decachlorobiphenyl		1047572970	1092521333	1163088620	1272493760	1180845600	1151304457	8
Tetrachloro-m-xylene		918389550	937648760	969374660	977965440	824831600	925642002	7
Aroclor-1242-1	(1)	26136486	27020177	28880182	30131840	27517000	27937137	6
Aroclor-1242-2	(2)	37560737	39520053	41823206	43424048	40845460	40634701	5
Aroclor-1242-3	(3)	24775066	25964975	27626992	28013716	28443000	26964750	6
Aroclor-1242-4	(4)	19919938	20877219	22020082	22198916	22236220	21450475	5
Aroclor-1242-5	(5)	22664411	23310707	24494326	25449828	24710200	24125894	5
Decachlorobiphenyl		1049846500	1096431853	1183590260	1273416280	1210794800	1162815939	8
Tetrachloro-m-xylene		918045770	945319107	991838280	988565840	844744200	937702639	6
Aroclor-1248-1	(1)	19592099	21187299	21900336	23649416	20785280	21422886	7
Aroclor-1248-2	(2)	29912773	32262593	34275072	36926580	34706360	33616676	8
Aroclor-1248-3	(3)	33038688	35344895	37623064	40558304	36562360	36625462	8
Aroclor-1248-4	(4)	36925252	39416441	41800322	44728924	39382640	40450716	7
Aroclor-1248-5	(5)	36740691	38953265	40984016	43781648	37845340	39660992	7
Decachlorobiphenyl		1055450820	1109667187	1169649200	1282118000	1302489400	1183874921	9
Tetrachloro-m-xylene		902146960	926581653	953867240	992359080	895156800	934022347	4
Aroclor-1254-1	(1)	40350769	42082559	45284156	48868552	47326420	44782491	8
Aroclor-1254-2	(2)	59814731	62129524	65787698	71625140	71131660	66097751	8
Aroclor-1254-3	(3)	64043672	65831181	69388346	74782692	73217700	69452718	7
Aroclor-1254-4	(4)	45989306	47460167	50157578	54420004	51495700	49904551	7
Aroclor-1254-5	(5)	54192853	57072867	59852552	64108404	61236860	59292707	6
Decachlorobiphenyl		1068499200	1106116080	1182150460	1298012320	1262855400	1183526692	8
Tetrachloro-m-xylene		931363580	935898013	956149560	989159640	878805200	938275199	4
Aroclor-1268-1	(1)	139515419	144470283	150997662	162718796	165540620	152648556	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	125679796	130088461	136577130	145743784	144888120	136595458	6
Aroclor-1268-3	(3)	110668977	116741077	119635012	130534268	127010440	120917955	7
Aroclor-1268-4	(4)	48063749	49890017	52720184	55641072	47784700	50819944	7
Aroclor-1268-5	(5)	348373365	356693093	372169718	389623012	400486540	373469146	6
Decachlorobiphenyl		1758376420	1827520213	1952930880	2093924120	2163079000	1959166127	9
Tetrachloro-m-xylene		908125750	922962547	955684560	986676760	888810200	932451963	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_P **Calibration Date(s):** 10/08/2024 10/08/2024

Calibration Times: 16:30 23:46

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

LAB FILE ID: **CF 1000 =** PP067587.D **CF 750 =** PP067588.D

CF 500 = PP067589.D **CF 250 =** PP067590.D **CF 050 =** PP067591.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	32214100	33511487	34894776	37855020	36460880	34987253	6
Aroclor-1016-2	(2)	45072170	46943971	48711842	52177748	47937020	48168550	5
Aroclor-1016-3	(3)	25675074	27277663	27567444	28514452	25652840	26937495	5
Aroclor-1016-4	(4)	22207756	23688287	24482426	25758704	24288360	24085107	5
Aroclor-1016-5	(5)	28303958	30184395	30998408	32062244	30500300	30409861	5
Aroclor-1260-1	(1)	51490839	53867885	56846930	62693500	59910740	56961979	8
Aroclor-1260-2	(2)	60685581	63183867	66653346	73175968	69823160	66704384	8
Aroclor-1260-3	(3)	58195863	60818087	64471984	69084640	65935040	63701123	7
Aroclor-1260-4	(4)	51141777	52463477	55669740	60213672	56975040	55292741	7
Aroclor-1260-5	(5)	115751172	117431688	122205526	128041940	128062520	122298569	5
Decachlorobiphenyl		1016699470	1064912133	1114817860	1215156720	1195705800	1121458397	8
Tetrachloro-m-xylene		976302160	1002778080	1038188640	1086259240	948485600	1010402744	5
Aroclor-1242-1	(1)	26643227	27902807	30082486	31864192	28889440	29076430	7
Aroclor-1242-2	(2)	37173910	38324184	40855302	43058560	41326680	40147727	6
Aroclor-1242-3	(3)	21209836	21846417	23389330	23608008	22421520	22495022	5
Aroclor-1242-4	(4)	21894421	22781385	24633780	25302636	24076280	23737700	6
Aroclor-1242-5	(5)	25904963	27452171	28860038	30792124	30238540	28649567	7
Decachlorobiphenyl		1030873660	1074484253	1144199140	1227463640	1208383800	1137080899	7
Tetrachloro-m-xylene		979317100	1008877893	1048426020	1079705600	995407400	1022346803	4
Aroclor-1248-1	(1)	20323070	21892911	22863994	24075660	24163260	22663779	7
Aroclor-1248-2	(2)	29599820	31598663	33173378	36121664	34985540	33095813	8
Aroclor-1248-3	(3)	31098926	33116664	34686272	37576628	35894680	34474634	7
Aroclor-1248-4	(4)	36529837	38774123	40329020	44225180	44921420	40955916	9
Aroclor-1248-5	(5)	34201195	35911461	37616042	40473884	39013140	37443144	7
Decachlorobiphenyl		1032353410	1073137907	1131465640	1215505400	1241215600	1138735591	8
Tetrachloro-m-xylene		952656120	994994613	1000591240	1068188360	991037600	1001493587	4
Aroclor-1254-1	(1)	53478224	54895953	58959138	64085456	64000720	59083898	8
Aroclor-1254-2	(2)	47135286	48672312	52146652	56922440	57444240	52464186	9
Aroclor-1254-3	(3)	76675976	78569371	83205416	89086976	88502520	83208052	7
Aroclor-1254-4	(4)	44235570	45939643	48363680	51938700	50893660	48274251	7
Aroclor-1254-5	(5)	68142947	70671431	73760414	78813244	76368180	73551243	6
Decachlorobiphenyl		1041164600	1082182560	1142537200	1244245720	1270180600	1156062136	9
Tetrachloro-m-xylene		969890570	991360533	1038975520	1064707400	994465600	1011879925	4
Aroclor-1268-1	(1)	146986557	151844596	158019168	168079912	170778780	159141803	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	133073925	137248829	142523422	151222024	151862520	143186144	6
Aroclor-1268-3	(3)	117364027	121504320	126517254	135757020	136405580	127509640	7
Aroclor-1268-4	(4)	51956547	53952379	54797154	61002600	60671520	56476040	7
Aroclor-1268-5	(5)	359344903	364434196	374618632	391618688	400161860	378035656	5
Decachlorobiphenyl		1755186720	1802467867	1889666160	2047579480	2153015200	1929583085	9
Tetrachloro-m-xylene		970169850	991215560	1007059780	1064676080	979052800	1002434814	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_P **Date(s) Analyzed:** 10/08/2024 10/08/2024

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	4.96	4.86	5.06	12809900
		2	5.04	4.94	5.14	9460580
		3	5.12	5.02	5.22	28907800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.12	5.02	5.22	22859800
		2	5.65	5.55	5.75	11783000
		3	5.94	5.84	6.04	22275000
		4	6.10	6.00	6.20	11287400
		5	6.19	6.09	6.29	9120180
Aroclor-1262	500	1	8.37	8.27	8.47	71771400
		2	8.71	8.61	8.81	121580000
		3	9.05	8.95	9.15	88514200
		4	9.14	9.04	9.24	69944800
		5	9.84	9.74	9.94	46791200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_P **Date(s) Analyzed:** 10/08/2024 10/08/2024

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	4.27	4.17	4.37	13170200
		2	4.36	4.26	4.46	9961240
		3	4.43	4.33	4.53	31131200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.43	4.33	4.53	24333000
		2	5.18	5.08	5.28	22365000
		3	5.36	5.26	5.46	11943800
		4	5.45	5.35	5.55	11531400
		5	5.62	5.52	5.72	13450300
Aroclor-1262	500	1	7.22	7.12	7.32	78673400
		2	7.48	7.38	7.58	70962000
		3	8.01	7.91	8.11	57099400
		4	8.07	7.97	8.17	100436000
		5	8.60	8.50	8.70	50017800

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/21/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 11:58 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/21/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 11:58 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107293.D **Time Analyzed:** 11:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.521	5.423	5.623	506.980	500.000	1.4
Aroclor-1016-2	5.544	5.445	5.645	491.800	500.000	-1.6
Aroclor-1016-3	5.605	5.507	5.707	459.940	500.000	-8.0
Aroclor-1016-4	5.702	5.604	5.804	484.940	500.000	-3.0
Aroclor-1016-5	5.997	5.899	6.099	482.770	500.000	-3.4
Aroclor-1260-1	7.124	7.026	7.226	492.220	500.000	-1.6
Aroclor-1260-2	7.379	7.282	7.482	524.180	500.000	4.8
Aroclor-1260-3	7.742	7.643	7.843	510.390	500.000	2.1
Aroclor-1260-4	7.966	7.868	8.068	510.260	500.000	2.1
Aroclor-1260-5	8.280	8.181	8.381	544.830	500.000	9.0
Decachlorobiphenyl	10.057	9.958	10.158	50.010	50.000	0.0
Tetrachloro-m-xylene	4.373	4.274	4.474	51.260	50.000	2.5

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/21/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107293.D **Time Analyzed:** 11:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.726	4.626	4.826	514.630	500.000	2.9
Aroclor-1016-2	4.745	4.645	4.845	527.080	500.000	5.4
Aroclor-1016-3	4.921	4.821	5.021	492.510	500.000	-1.5
Aroclor-1016-4	4.961	4.862	5.062	451.280	500.000	-9.7
Aroclor-1016-5	5.175	5.076	5.276	491.380	500.000	-1.7
Aroclor-1260-1	6.206	6.107	6.307	518.020	500.000	3.6
Aroclor-1260-2	6.393	6.294	6.494	537.770	500.000	7.6
Aroclor-1260-3	6.546	6.448	6.648	527.570	500.000	5.5
Aroclor-1260-4	7.016	6.918	7.118	517.840	500.000	3.6
Aroclor-1260-5	7.257	7.159	7.359	546.300	500.000	9.3
Decachlorobiphenyl	8.636	8.539	8.739	51.800	50.000	3.6
Tetrachloro-m-xylene	3.645	3.545	3.745	52.920	50.000	5.8

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/21/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 18:15 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.05	10.06	9.96	10.16	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/21/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 18:15 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107308.D **Time Analyzed:** 18:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.521	5.423	5.623	483.570	500.000	-3.3
Aroclor-1016-2	5.543	5.445	5.645	471.960	500.000	-5.6
Aroclor-1016-3	5.605	5.507	5.707	442.600	500.000	-11.5
Aroclor-1016-4	5.702	5.604	5.804	476.570	500.000	-4.7
Aroclor-1016-5	5.996	5.899	6.099	497.990	500.000	-0.4
Aroclor-1260-1	7.123	7.026	7.226	499.660	500.000	-0.1
Aroclor-1260-2	7.378	7.282	7.482	507.460	500.000	1.5
Aroclor-1260-3	7.740	7.643	7.843	513.820	500.000	2.8
Aroclor-1260-4	7.965	7.868	8.068	504.850	500.000	1.0
Aroclor-1260-5	8.278	8.181	8.381	514.530	500.000	2.9
Decachlorobiphenyl	10.053	9.958	10.158	48.130	50.000	-3.7
Tetrachloro-m-xylene	4.372	4.274	4.474	50.560	50.000	1.1

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/21/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107308.D **Time Analyzed:** 18:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.726	4.626	4.826	512.880	500.000	2.6
Aroclor-1016-2	4.745	4.645	4.845	533.630	500.000	6.7
Aroclor-1016-3	4.920	4.821	5.021	489.740	500.000	-2.1
Aroclor-1016-4	4.961	4.862	5.062	457.260	500.000	-8.5
Aroclor-1016-5	5.175	5.076	5.276	513.220	500.000	2.6
Aroclor-1260-1	6.206	6.107	6.307	486.800	500.000	-2.6
Aroclor-1260-2	6.393	6.294	6.494	524.290	500.000	4.9
Aroclor-1260-3	6.547	6.448	6.648	495.030	500.000	-1.0
Aroclor-1260-4	7.017	6.918	7.118	478.400	500.000	-4.3
Aroclor-1260-5	7.257	7.159	7.359	487.470	500.000	-2.5
Decachlorobiphenyl	8.637	8.539	8.739	44.100	50.000	-11.8
Tetrachloro-m-xylene	3.645	3.545	3.745	53.390	50.000	6.8

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/21/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 23:30 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.12	7.13	7.03	7.23	0.01
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.74	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.96	7.97	7.87	8.07	0.01
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.06	10.06	9.96	10.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/21/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 23:30 **Initial Calibration Time(s):** 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.00
Aroclor-1016-2	(2)	4.75	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.18	5.18	5.08	5.28	0.00
Aroclor-1260-1	(1)	6.21	6.21	6.11	6.31	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.00
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/21/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107323.D **Time Analyzed:** 23:30

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.521	5.423	5.623	519.640	500.000	3.9
Aroclor-1016-2	5.543	5.445	5.645	506.910	500.000	1.4
Aroclor-1016-3	5.606	5.507	5.707	479.170	500.000	-4.2
Aroclor-1016-4	5.701	5.604	5.804	506.100	500.000	1.2
Aroclor-1016-5	5.997	5.899	6.099	508.720	500.000	1.7
Aroclor-1260-1	7.122	7.026	7.226	535.060	500.000	7.0
Aroclor-1260-2	7.379	7.282	7.482	547.990	500.000	9.6
Aroclor-1260-3	7.740	7.643	7.843	510.820	500.000	2.2
Aroclor-1260-4	7.964	7.868	8.068	540.140	500.000	8.0
Aroclor-1260-5	8.278	8.181	8.381	580.330	500.000	16.1
Decachlorobiphenyl	10.055	9.958	10.158	49.390	50.000	-1.2
Tetrachloro-m-xylene	4.372	4.274	4.474	52.850	50.000	5.7

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/21/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107323.D **Time Analyzed:** 23:30

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.726	4.626	4.826	522.590	500.000	4.5
Aroclor-1016-2	4.745	4.645	4.845	548.030	500.000	9.6
Aroclor-1016-3	4.921	4.821	5.021	508.560	500.000	1.7
Aroclor-1016-4	4.962	4.862	5.062	466.520	500.000	-6.7
Aroclor-1016-5	5.175	5.076	5.276	555.540	500.000	11.1
Aroclor-1260-1	6.206	6.107	6.307	543.800	500.000	8.8
Aroclor-1260-2	6.393	6.294	6.494	572.690	500.000	14.5
Aroclor-1260-3	6.547	6.448	6.648	543.390	500.000	8.7
Aroclor-1260-4	7.018	6.918	7.118	544.220	500.000	8.8
Aroclor-1260-5	7.257	7.159	7.359	556.140	500.000	11.2
Decachlorobiphenyl	8.637	8.539	8.739	49.000	50.000	-2.0
Tetrachloro-m-xylene	3.645	3.545	3.745	53.780	50.000	7.6

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/23/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 15:57 **Initial Calibration Time(s):** 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.94	5.94	5.84	6.04	0.00
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/23/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 15:57 **Initial Calibration Time(s):** 16:30 23:46

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/23/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068166.D **Time Analyzed:** 15:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.921	5.819	6.019	491.140	500.000	-1.8
Aroclor-1016-2	5.944	5.842	6.042	505.430	500.000	1.1
Aroclor-1016-3	6.007	5.905	6.105	491.780	500.000	-1.6
Aroclor-1016-4	6.105	6.003	6.203	485.430	500.000	-2.9
Aroclor-1016-5	6.399	6.298	6.498	476.670	500.000	-4.7
Aroclor-1260-1	7.523	7.422	7.622	449.530	500.000	-10.1
Aroclor-1260-2	7.776	7.675	7.875	448.260	500.000	-10.3
Aroclor-1260-3	8.138	8.037	8.237	457.380	500.000	-8.5
Aroclor-1260-4	8.376	8.275	8.475	456.620	500.000	-8.7
Aroclor-1260-5	8.713	8.612	8.812	462.630	500.000	-7.5
Decachlorobiphenyl	10.670	10.569	10.769	48.800	50.000	-2.4
Tetrachloro-m-xylene	4.757	4.655	4.855	51.470	50.000	2.9

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/23/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068166.D **Time Analyzed:** 15:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.157	5.061	5.261	465.090	500.000	-7.0
Aroclor-1016-2	5.177	5.081	5.281	473.530	500.000	-5.3
Aroclor-1016-3	5.357	5.262	5.462	476.580	500.000	-4.7
Aroclor-1016-4	5.397	5.301	5.501	471.310	500.000	-5.7
Aroclor-1016-5	5.616	5.520	5.720	467.820	500.000	-6.4
Aroclor-1260-1	6.659	6.564	6.764	451.860	500.000	-9.6
Aroclor-1260-2	6.846	6.750	6.950	457.130	500.000	-8.6
Aroclor-1260-3	7.004	6.908	7.108	455.780	500.000	-8.8
Aroclor-1260-4	7.478	7.383	7.583	458.570	500.000	-8.3
Aroclor-1260-5	7.716	7.622	7.822	455.920	500.000	-8.8
Decachlorobiphenyl	9.209	9.119	9.319	46.300	50.000	-7.4
Tetrachloro-m-xylene	4.050	3.952	4.152	48.480	50.000	-3.0

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/23/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 20:04 **Initial Calibration Time(s):** 16:30 23:46

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)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.10	6.00	6.20	-0.01
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.71	8.71	8.61	8.81	0.00
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/23/2024 **Initial Calibration Date(s):** 10/08/2024 10/08/2024

Continuing Calib Time: 20:04 **Initial Calibration Time(s):** 16:30 23:46

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)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.22	9.12	9.32	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL05 **Date Analyzed:** 10/23/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068180.D **Time Analyzed:** 20:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.923	5.819	6.019	497.330	500.000	-0.5
Aroclor-1016-2	5.945	5.842	6.042	503.300	500.000	0.7
Aroclor-1016-3	6.008	5.905	6.105	489.880	500.000	-2.0
Aroclor-1016-4	6.106	6.003	6.203	480.170	500.000	-4.0
Aroclor-1016-5	6.400	6.298	6.498	480.560	500.000	-3.9
Aroclor-1260-1	7.525	7.422	7.622	461.200	500.000	-7.8
Aroclor-1260-2	7.778	7.675	7.875	466.470	500.000	-6.7
Aroclor-1260-3	8.139	8.037	8.237	469.470	500.000	-6.1
Aroclor-1260-4	8.378	8.275	8.475	471.690	500.000	-5.7
Aroclor-1260-5	8.714	8.612	8.812	474.540	500.000	-5.1
Decachlorobiphenyl	10.672	10.569	10.769	49.760	50.000	-0.5
Tetrachloro-m-xylene	4.758	4.655	4.855	51.720	50.000	3.4

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/08/2024 10/08/2024

Client Sample No.: CCAL05 **Date Analyzed:** 10/23/2024

Lab Sample No.: AR1660CCC500 **Data File :** PP068180.D **Time Analyzed:** 20:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.158	5.061	5.261	466.650	500.000	-6.7
Aroclor-1016-2	5.178	5.081	5.281	471.050	500.000	-5.8
Aroclor-1016-3	5.358	5.262	5.462	476.420	500.000	-4.7
Aroclor-1016-4	5.397	5.301	5.501	471.550	500.000	-5.7
Aroclor-1016-5	5.617	5.520	5.720	475.810	500.000	-4.8
Aroclor-1260-1	6.660	6.564	6.764	465.690	500.000	-6.9
Aroclor-1260-2	6.847	6.750	6.950	475.110	500.000	-5.0
Aroclor-1260-3	7.005	6.908	7.108	465.600	500.000	-6.9
Aroclor-1260-4	7.478	7.383	7.583	470.220	500.000	-6.0
Aroclor-1260-5	7.717	7.622	7.822	470.390	500.000	-5.9
Decachlorobiphenyl	9.212	9.119	9.319	48.140	50.000	-3.7
Tetrachloro-m-xylene	4.051	3.952	4.152	47.960	50.000	-4.1

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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Project: Amtrak Sawtooth Bridges 2024 **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/15/2024 10/15/2024

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	10/15/2024	18:08	PO107183.D	10.06	4.37
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	10.06	4.37
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	10.06	4.37
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	10.06	4.37
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	10.06	4.37
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	10.06	4.37
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	10.06	4.37
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	10.06	4.37
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	10.06	4.37
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	10.06	4.37
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	10.06	4.37
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	10.06	4.37
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	10.06	4.37
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	10.06	4.37
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	10.06	4.37
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	10.06	4.37
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	10.06	4.37
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	10.06	4.37
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	10.06	4.37
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	10.06	4.37
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	10.06	4.37
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	10.06	4.37
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	10.06	4.37
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	10.06	4.37
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	10.06	4.37
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	10.06	4.37
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	10.06	4.37
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	10.06	4.37
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/21/2024	11:58	PO107293.D	10.06	4.37
I.BLK	I.BLK	10/21/2024	14:13	PO107297.D	10.06	4.37
PB164287BL	PB164287BL	10/21/2024	14:49	PO107299.D	10.06	4.37
PB164287BS	PB164287BS	10/21/2024	15:07	PO107300.D	10.06	4.37
SU-4-101824MS	P4455-01MS	10/21/2024	16:38	PO107305.D	10.06	4.37
SU-4-101824MSD	P4455-01MSD	10/21/2024	16:56	PO107306.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/21/2024	18:15	PO107308.D	10.05	4.37
I.BLK	I.BLK	10/21/2024	19:28	PO107312.D	10.05	4.37
WB-303-TOP	P4460-02	10/21/2024	20:22	PO107315.D	10.06	4.37
WB-303-BOT	P4460-03	10/21/2024	20:40	PO107316.D	10.06	4.37
AR1660CCC500	AR1660CCC500	10/21/2024	23:30	PO107323.D	10.06	4.37
I.BLK	I.BLK	10/22/2024	00:42	PO107327.D	10.06	4.37
I.BLK	I.BLK	10/08/2024	16:14	PP067586.D	10.67	4.75

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Analytical Sequence

AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	10.67	4.75
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	10.67	4.75
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	10.67	4.76
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	10.67	4.75
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	10.67	4.76
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	10.67	4.75
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	10.67	4.75
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	10.67	4.76
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	10.67	4.76
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	10.67	4.75
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	10.67	4.76
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	10.67	4.75
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	10.67	4.75
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	10.67	4.75
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	10.67	4.75
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	10.67	4.75
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	10.66	4.75
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	10.67	4.76
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	10.67	4.75
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	10.67	4.75
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	10.67	4.75
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	10.66	4.75
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	10.66	4.75
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	10.67	4.76
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	10.67	4.75
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	10.67	4.75
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	10.67	4.75
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	10.67	4.75
AR1660CCC500	AR1660CCC500	10/23/2024	15:57	PP068166.D	10.67	4.76
I.BLK	I.BLK	10/23/2024	17:01	PP068170.D	10.67	4.76
PB164342BL	PB164342BL	10/23/2024	18:22	PP068175.D	10.67	4.75
PB164342BS	PB164342BS	10/23/2024	18:38	PP068176.D	10.67	4.76
PB164342BSD	PB164342BSD	10/23/2024	18:54	PP068177.D	10.67	4.76
WB-303-SW	P4460-06	10/23/2024	19:26	PP068179.D	10.67	4.76
AR1660CCC500	AR1660CCC500	10/23/2024	20:04	PP068180.D	10.67	4.76
I.BLK	I.BLK	10/23/2024	21:08	PP068184.D	10.67	4.76

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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Project: Amtrak Sawtooth Bridges 2024 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/15/2024 10/15/2024

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	10/15/2024	18:08	PO107183.D	8.64	3.64
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	8.64	3.64
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	8.64	3.64
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	8.64	3.65
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	8.64	3.64
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	8.64	3.64
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	8.64	3.64
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	8.64	3.64
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	8.64	3.64
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	8.64	3.64
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	8.64	3.64
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	8.64	3.65
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	8.64	3.64
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	8.64	3.64
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	8.64	3.64
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	8.64	3.64
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	8.64	3.64
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	8.64	3.64
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	8.64	3.65
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	8.64	3.64
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	8.64	3.64
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	8.64	3.64
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	8.64	3.65
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	8.64	3.64
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	8.64	3.65
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	8.64	3.64
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	8.64	3.65
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	8.64	3.64
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	8.64	3.65
AR1660CCC500	AR1660CCC500	10/21/2024	11:58	PO107293.D	8.64	3.65
I.BLK	I.BLK	10/21/2024	14:13	PO107297.D	8.64	3.64
PB164287BL	PB164287BL	10/21/2024	14:49	PO107299.D	8.64	3.64
PB164287BS	PB164287BS	10/21/2024	15:07	PO107300.D	8.64	3.64
SU-4-101824MS	P4455-01MS	10/21/2024	16:38	PO107305.D	8.64	3.64
SU-4-101824MSD	P4455-01MSD	10/21/2024	16:56	PO107306.D	8.64	3.64
AR1660CCC500	AR1660CCC500	10/21/2024	18:15	PO107308.D	8.64	3.65
I.BLK	I.BLK	10/21/2024	19:28	PO107312.D	8.64	3.65
WB-303-TOP	P4460-02	10/21/2024	20:22	PO107315.D	8.64	3.64
WB-303-BOT	P4460-03	10/21/2024	20:40	PO107316.D	8.64	3.64
AR1660CCC500	AR1660CCC500	10/21/2024	23:30	PO107323.D	8.64	3.65
I.BLK	I.BLK	10/22/2024	00:42	PO107327.D	8.64	3.65
I.BLK	I.BLK	10/08/2024	16:14	PP067586.D	9.22	4.05

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Analytical Sequence

AR1660ICC1000	AR1660ICC1000	10/08/2024	16:30	PP067587.D	9.22	4.05
AR1660ICC750	AR1660ICC750	10/08/2024	16:46	PP067588.D	9.22	4.05
AR1660ICC500	AR1660ICC500	10/08/2024	17:02	PP067589.D	9.22	4.05
AR1660ICC250	AR1660ICC250	10/08/2024	17:19	PP067590.D	9.22	4.05
AR1660ICC050	AR1660ICC050	10/08/2024	17:35	PP067591.D	9.22	4.05
AR1221ICC500	AR1221ICC500	10/08/2024	17:51	PP067592.D	9.22	4.05
AR1232ICC500	AR1232ICC500	10/08/2024	18:07	PP067593.D	9.22	4.05
AR1242ICC1000	AR1242ICC1000	10/08/2024	18:23	PP067594.D	9.22	4.05
AR1242ICC750	AR1242ICC750	10/08/2024	18:39	PP067595.D	9.22	4.05
AR1242ICC500	AR1242ICC500	10/08/2024	18:55	PP067596.D	9.22	4.05
AR1242ICC250	AR1242ICC250	10/08/2024	19:12	PP067597.D	9.22	4.05
AR1242ICC050	AR1242ICC050	10/08/2024	19:28	PP067598.D	9.22	4.05
AR1248ICC1000	AR1248ICC1000	10/08/2024	19:44	PP067599.D	9.22	4.05
AR1248ICC750	AR1248ICC750	10/08/2024	20:00	PP067600.D	9.22	4.05
AR1248ICC500	AR1248ICC500	10/08/2024	20:16	PP067601.D	9.22	4.05
AR1248ICC250	AR1248ICC250	10/08/2024	20:32	PP067602.D	9.22	4.05
AR1248ICC050	AR1248ICC050	10/08/2024	20:49	PP067603.D	9.22	4.05
AR1254ICC1000	AR1254ICC1000	10/08/2024	21:05	PP067604.D	9.22	4.05
AR1254ICC750	AR1254ICC750	10/08/2024	21:21	PP067605.D	9.22	4.05
AR1254ICC500	AR1254ICC500	10/08/2024	21:37	PP067606.D	9.22	4.05
AR1254ICC250	AR1254ICC250	10/08/2024	21:53	PP067607.D	9.22	4.05
AR1254ICC050	AR1254ICC050	10/08/2024	22:09	PP067608.D	9.22	4.05
AR1262ICC500	AR1262ICC500	10/08/2024	22:25	PP067609.D	9.22	4.05
AR1268ICC1000	AR1268ICC1000	10/08/2024	22:42	PP067610.D	9.22	4.05
AR1268ICC750	AR1268ICC750	10/08/2024	22:58	PP067611.D	9.22	4.05
AR1268ICC500	AR1268ICC500	10/08/2024	23:14	PP067612.D	9.22	4.05
AR1268ICC250	AR1268ICC250	10/08/2024	23:30	PP067613.D	9.22	4.05
AR1268ICC050	AR1268ICC050	10/08/2024	23:46	PP067614.D	9.22	4.05
AR1660CCC500	AR1660CCC500	10/23/2024	15:57	PP068166.D	9.21	4.05
I.BLK	I.BLK	10/23/2024	17:01	PP068170.D	9.21	4.05
PB164342BL	PB164342BL	10/23/2024	18:22	PP068175.D	9.21	4.05
PB164342BS	PB164342BS	10/23/2024	18:38	PP068176.D	9.21	4.05
PB164342BSD	PB164342BSD	10/23/2024	18:54	PP068177.D	9.21	4.05
WB-303-SW	P4460-06	10/23/2024	19:26	PP068179.D	9.21	4.05
AR1660CCC500	AR1660CCC500	10/23/2024	20:04	PP068180.D	9.21	4.05
I.BLK	I.BLK	10/23/2024	21:08	PP068184.D	9.21	4.05

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164287BS

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: PB164287BS Date(s) Analyzed: 10/21/2024 10/21/2024

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 PO107300.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.52	5.47	5.57	156		
	2	5.543	5.493	5.593	156		
	3	5.605	5.555	5.655	143		
COLUMN 1	4	5.701	5.651	5.751	154		
	5	5.997	5.947	6.047	153	152	
	1	4.726	4.676	4.776	155		
	2	4.745	4.695	4.795	168		
	3	4.92	4.87	4.97	158		
	4	4.961	4.911	5.011	137		
COLUMN 2	5	5.175	5.125	5.225	150	154	1.31
Aroclor-1260	1	7.123	7.073	7.173	161		
	2	7.379	7.329	7.429	168		
	3	7.741	7.691	7.791	146		
COLUMN 1	4	7.966	7.916	8.016	162		
	5	8.279	8.229	8.329	161	160	
	1	6.205	6.155	6.255	163		
	2	6.392	6.342	6.442	158		
	3	6.546	6.496	6.596	167		
	4	7.016	6.966	7.066	147		
COLUMN 2	5	7.257	7.207	7.307	152	157	1.89

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SU-4-101824MS

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: P4455-01MS Date(s) Analyzed: 10/21/2024 10/21/2024

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 PO107305.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.52	5.47	5.57	174		
	2	5.543	5.493	5.593	155		
	3	5.605	5.555	5.655	147		
COLUMN 1	4	5.701	5.651	5.751	169		
	5	5.996	5.946	6.046	142	157	
	1	4.725	4.675	4.775	163		
	2	4.744	4.694	4.794	159		
	3	4.92	4.87	4.97	167		
	4	4.963	4.913	5.013	157		
COLUMN 2	5	5.175	5.125	5.225	146	158	0.63
Aroclor-1260	1	7.124	7.074	7.174	161		
	2	7.379	7.329	7.429	139		
	3	7.741	7.691	7.791	141		
COLUMN 1	4	7.966	7.916	8.016	170		
	5	8.279	8.229	8.329	160	154	
	1	6.206	6.156	6.256	160		
	2	6.393	6.343	6.443	162		
	3	6.547	6.497	6.597	166		
	4	7.017	6.967	7.067	147		
COLUMN 2	5	7.258	7.208	7.308	154	158	2.56

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SU-4-101824MSD

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: P4455-01MSD Date(s) Analyzed: 10/21/2024 10/21/2024

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 PO107306.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.519	5.469	5.569	165		
	2	5.541	5.491	5.591	155		
	3	5.605	5.555	5.655	142		
COLUMN 1	4	5.701	5.651	5.751	165		
	5	5.995	5.945	6.045	146	154	
	1	4.725	4.675	4.775	169		
	2	4.744	4.694	4.794	176		
	3	4.92	4.87	4.97	185		
	4	4.961	4.911	5.011	186		
COLUMN 2	5	5.174	5.124	5.224	139	171	10.46
Aroclor-1260	1	7.122	7.072	7.172	164		
	2	7.379	7.329	7.429	133		
	3	7.741	7.691	7.791	133		
COLUMN 1	4	7.965	7.915	8.015	156		
	5	8.278	8.228	8.328	158	149	
	1	6.206	6.156	6.256	168		
	2	6.393	6.343	6.443	178		
	3	6.546	6.496	6.596	168		
	4	7.017	6.967	7.067	142		
COLUMN 2	5	7.257	7.207	7.307	144	160	7.12

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB164342BS

Contract: PORT06
Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460
Lab Sample ID: PB164342BS Date(s) Analyzed: 10/23/2024 10/23/2024
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP068176.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.922	5.872	5.972	4.88		
	2	5.943	5.893	5.993	4.32		
	3	6.006	5.956	6.056	4.38		
COLUMN 1	4	6.105	6.055	6.155	4.36		
	5	6.399	6.349	6.449	4.10	4.40	
	1	5.157	5.107	5.207	4.01		
	2	5.177	5.127	5.227	4.05		
	3	5.357	5.307	5.407	4.04		
	4	5.397	5.347	5.447	3.93		
COLUMN 2	5	5.616	5.566	5.666	3.88	4.00	9.52
Aroclor-1260	1	7.523	7.473	7.573	4.09		
	2	7.776	7.726	7.826	4.09		
	3	8.137	8.087	8.187	3.55		
COLUMN 1	4	8.376	8.326	8.426	3.70		
	5	8.713	8.663	8.763	3.71	3.80	
	1	6.659	6.609	6.709	4.07		
	2	6.846	6.796	6.896	4.06		
	3	7.004	6.954	7.054	4.09		
	4	7.478	7.428	7.528	3.62		
COLUMN 2	5	7.716	7.666	7.766	3.62	3.90	2.6

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164342BSD

Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: PB164342BSD Date(s) Analyzed: 10/23/2024 10/23/2024

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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

Data file PP068177.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.921	5.871	5.971	4.41		
	2	5.943	5.893	5.993	4.50		
	3	6.007	5.957	6.057	4.33		
COLUMN 1	4	6.105	6.055	6.155	4.22		
	5	6.399	6.349	6.449	4.04	4.30	
	1	5.157	5.107	5.207	4.11		
	2	5.177	5.127	5.227	4.15		
	3	5.358	5.308	5.408	4.13		
	4	5.397	5.347	5.447	4.03		
COLUMN 2	5	5.616	5.566	5.666	4.00	4.10	4.76
Aroclor-1260	1	7.523	7.473	7.573	4.25		
	2	7.776	7.726	7.826	4.22		
	3	8.138	8.088	8.188	3.67		
COLUMN 1	4	8.375	8.325	8.425	3.82		
	5	8.714	8.664	8.764	3.79	3.90	
	1	6.66	6.61	6.71	4.18		
	2	6.847	6.797	6.897	4.24		
	3	7.004	6.954	7.054	4.24		
	4	7.479	7.429	7.529	3.78		
COLUMN 2	5	7.718	7.668	7.768	3.79	4.00	2.53

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107315.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 20:22
Operator : YP/AJ
Sample : P4460-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WB-303-TOP

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:19:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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	3.644	106.8E6	54584324	11.715m	16.960m#
2)	SA Decachlor...	10.055	8.636	25512119	30987168	10.399	11.303
	Target Compounds						

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

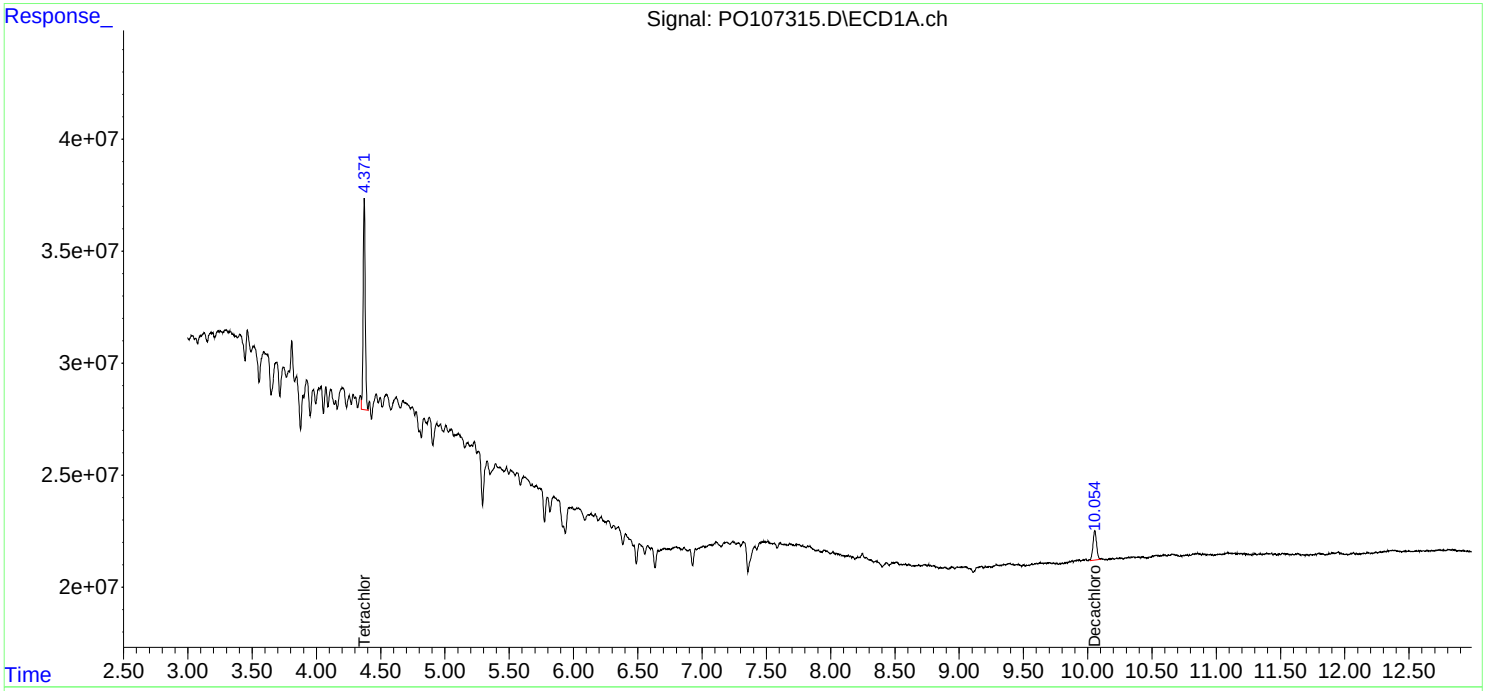
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107315.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 20:22
Operator : YP/AJ
Sample : P4460-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

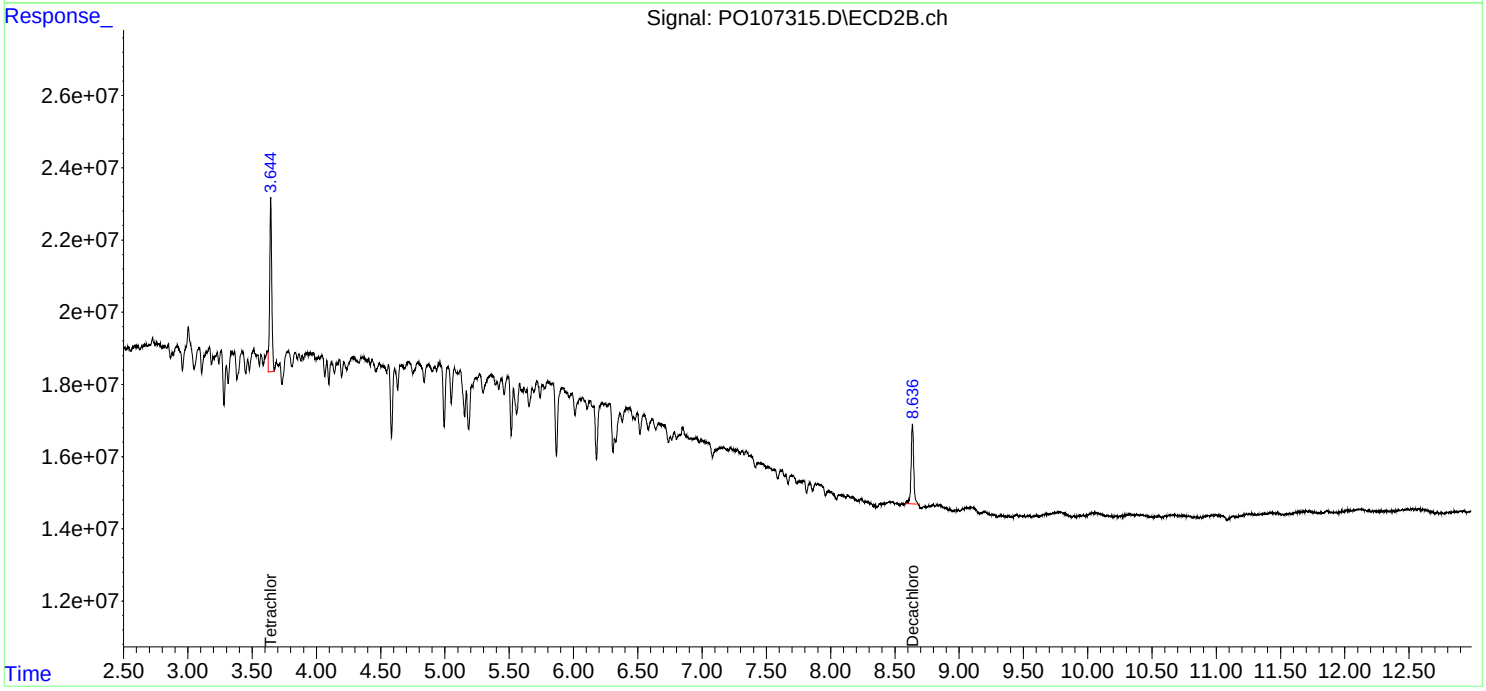
Instrument :
ECD_O
ClientSampleId :
WB-303-TOP

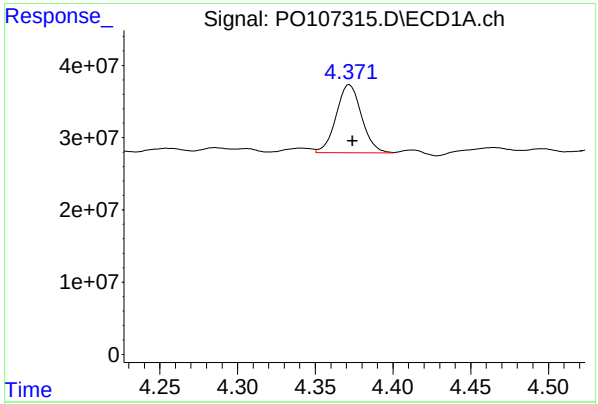
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:19:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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







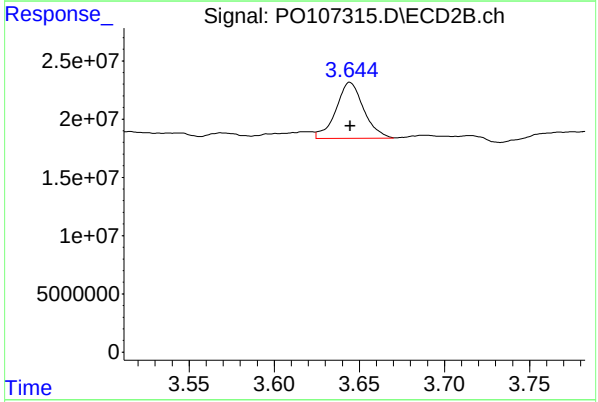
#1 Tetrachloro-m-xylene

R.T.: 4.371 min
Delta R.T.: -0.003 min
Response: 106772915
Conc: 11.72 ng/ml

Instrument :
ECD_O
ClientSampleId :
WB-303-TOP

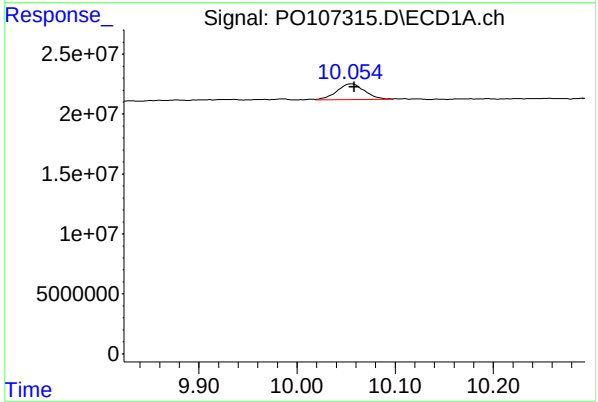
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024



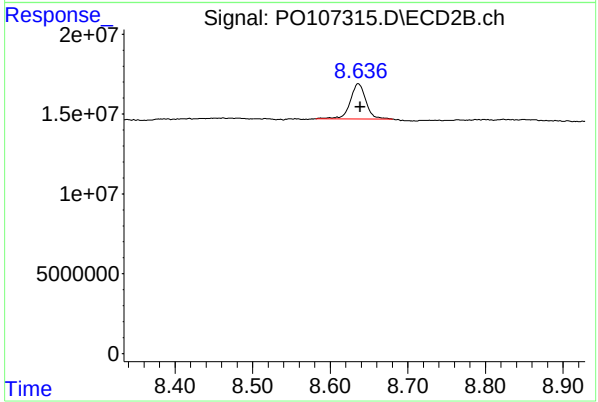
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 54584324
Conc: 16.96 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.003 min
Response: 25512119
Conc: 10.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.636 min
Delta R.T.: -0.003 min
Response: 30987168
Conc: 11.30 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107316.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 20:40
Operator : YP/AJ
Sample : P4460-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WB-303-BOT

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:20:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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	3.644	149.5E6	57839912	16.402	17.971
2)	SA Decachlor...	10.055	8.636	36482689	36272631	14.870	13.230
	Target Compounds						

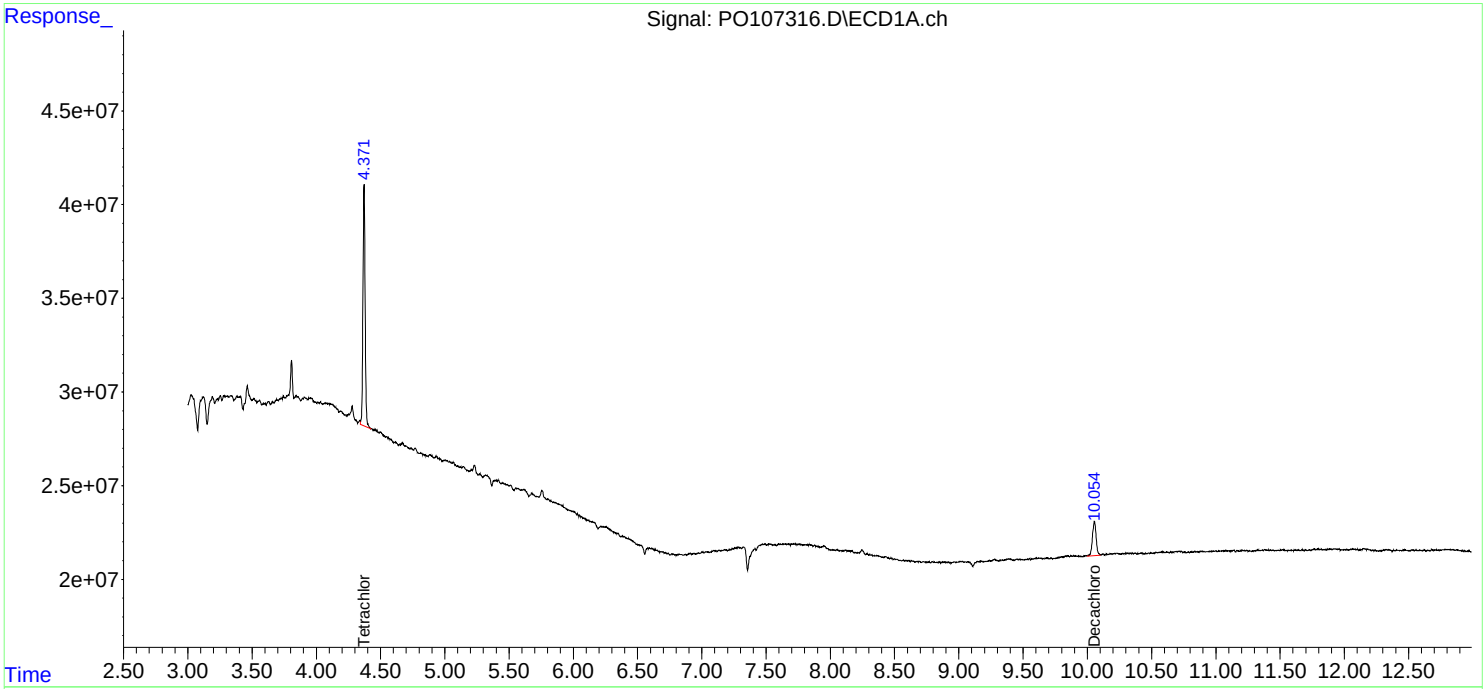
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

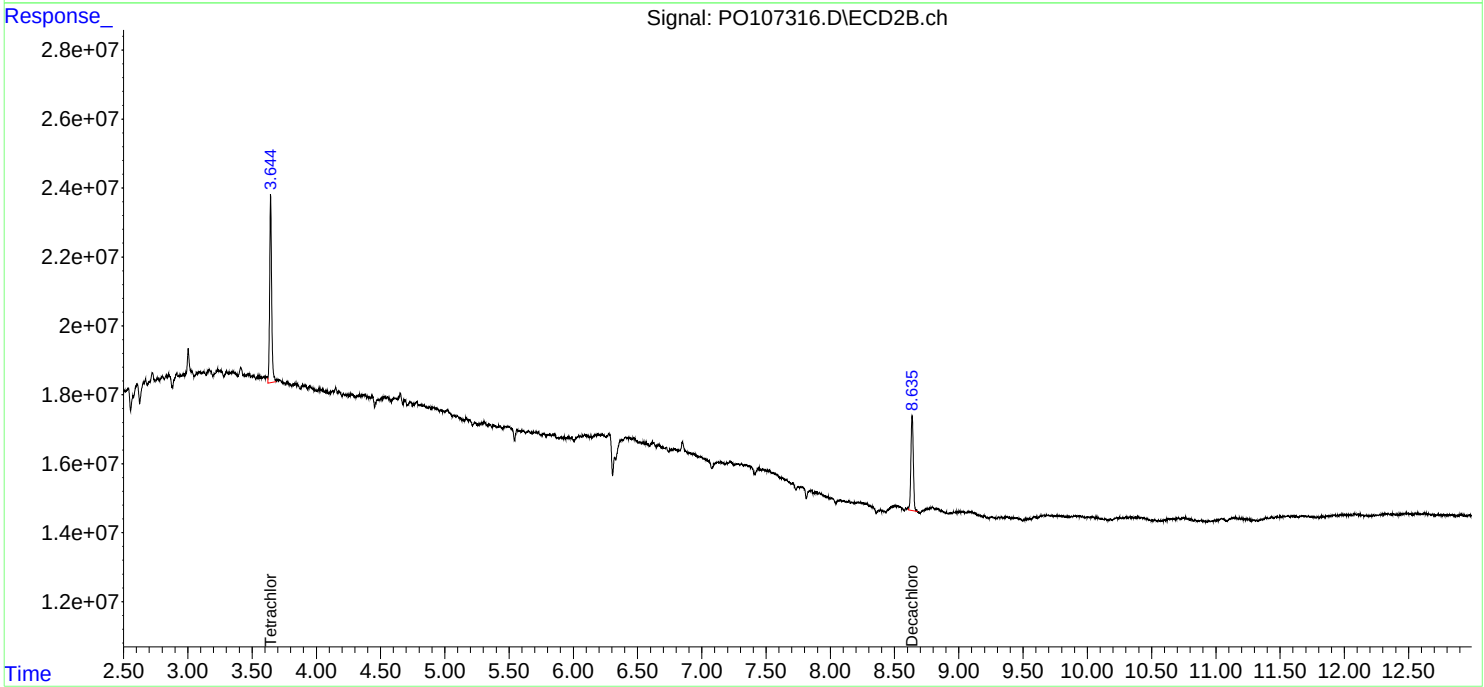
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107316.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 20:40
Operator : YP/AJ
Sample : P4460-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WB-303-BOT

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:20:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

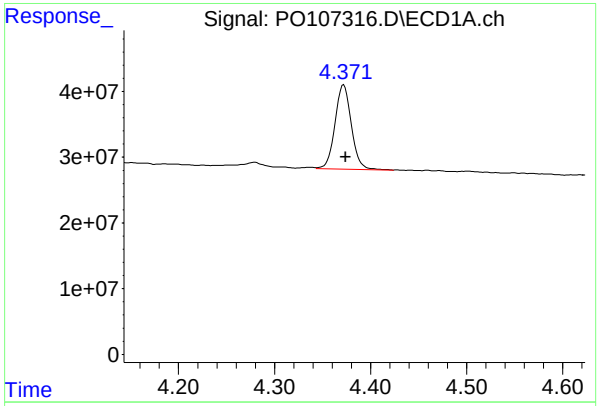
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





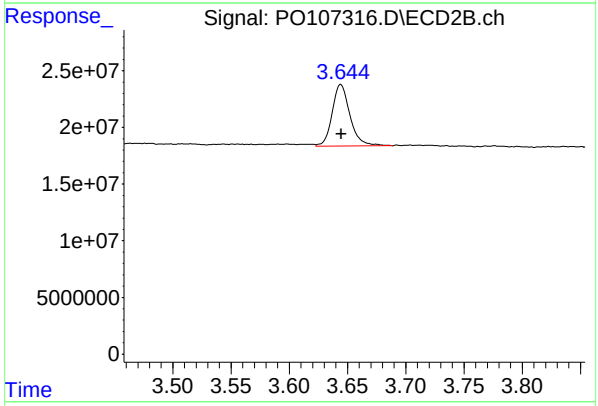
10

Instrument :
ECD_O
ClientSampleId :
WB-303-BOT



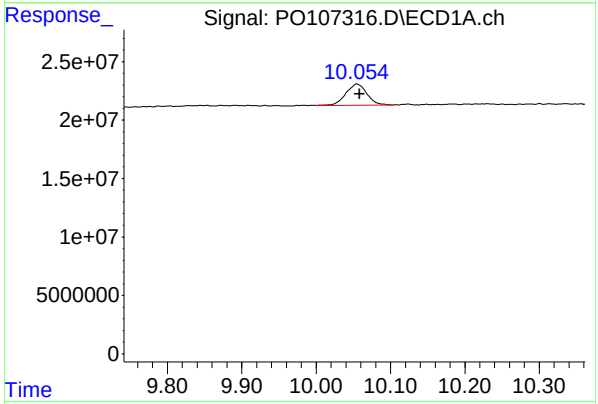
#1 Tetrachloro-m-xylene

R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 149483786
Conc: 16.40 ng/ml



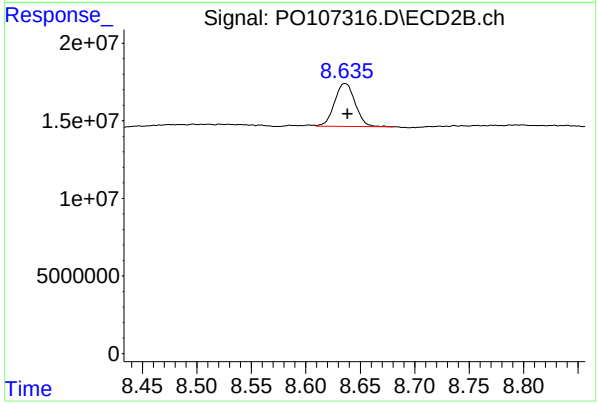
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 57839912
Conc: 17.97 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.055 min
Delta R.T.: -0.003 min
Response: 36482689
Conc: 14.87 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.636 min
Delta R.T.: -0.003 min
Response: 36272631
Conc: 13.23 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 19:26
Operator : YP\AJ
Sample : P4460-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
WB-303-SW

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:51:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.758	4.051	17102574	18034597	18.476	17.849
2)	SA Decachlor...	10.673	9.212	23866345	22331996	20.730	19.913
	Target Compounds						

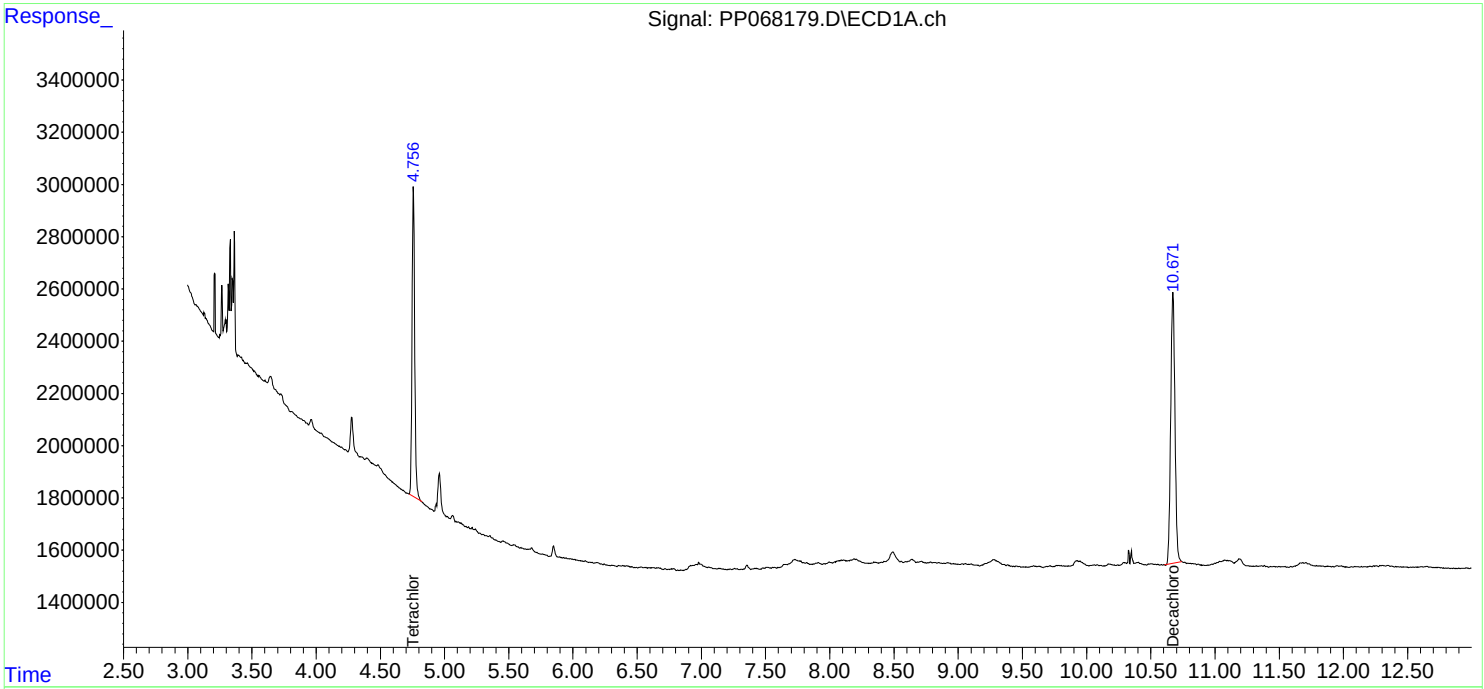
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

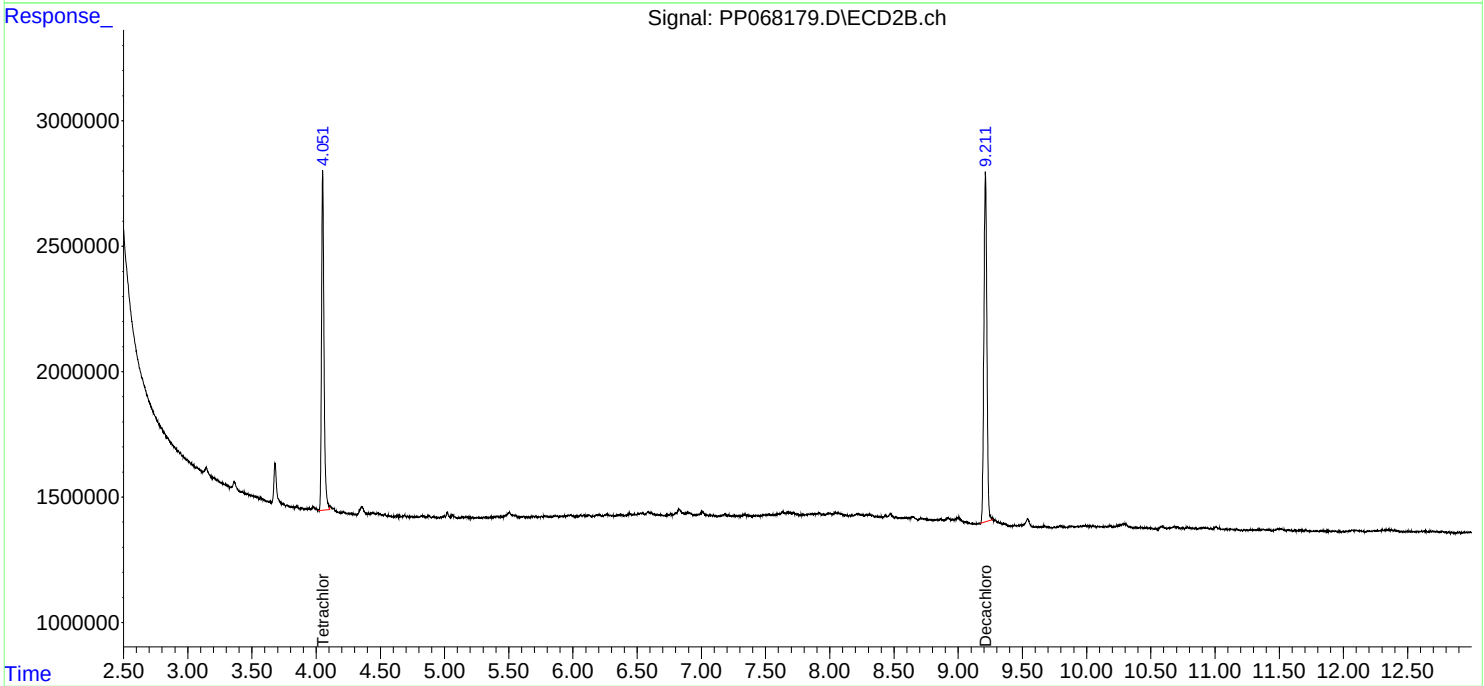
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 19:26
Operator : YP\AJ
Sample : P4460-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
WB-303-SW

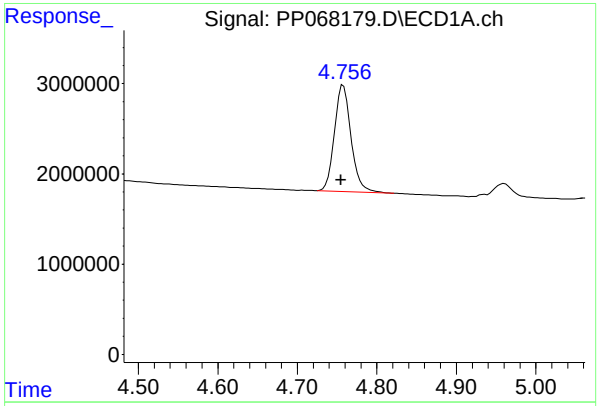
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:51:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



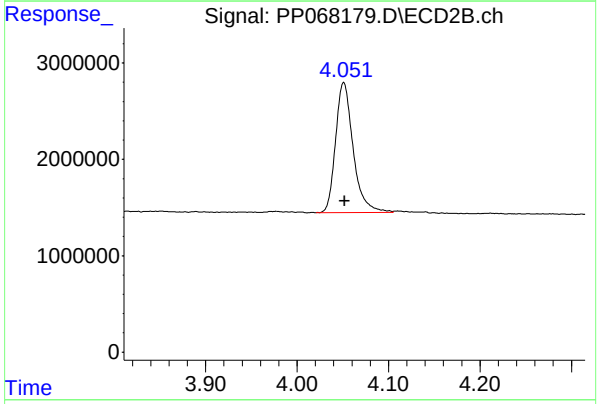


Instrument :
ECD_P
ClientSampleId :
WB-303-SW



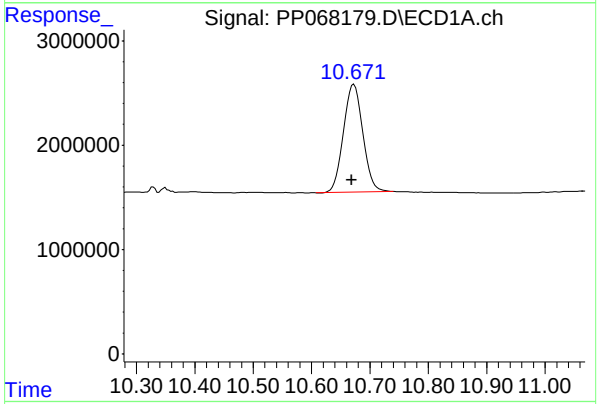
#1 Tetrachloro-m-xylene

R.T.: 4.758 min
Delta R.T.: 0.003 min
Response: 17102574
Conc: 18.48 ng/ml



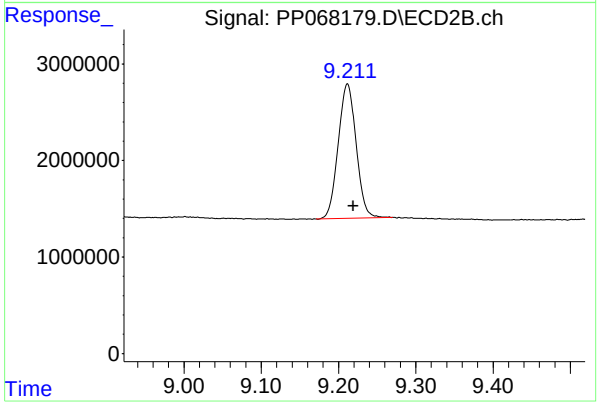
#1 Tetrachloro-m-xylene

R.T.: 4.051 min
Delta R.T.: 0.000 min
Response: 18034597
Conc: 17.85 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.673 min
Delta R.T.: 0.004 min
Response: 23866345
Conc: 20.73 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.212 min
Delta R.T.: -0.007 min
Response: 22331996
Conc: 19.91 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 14:49
Operator : YP/AJ
Sample : PB164287BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB164287BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:08:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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	3.644	194.6E6	68887507	21.348	21.404
2)	SA Decachlor...	10.056	8.637	53191470	60107238	21.681	21.924
	Target Compounds						

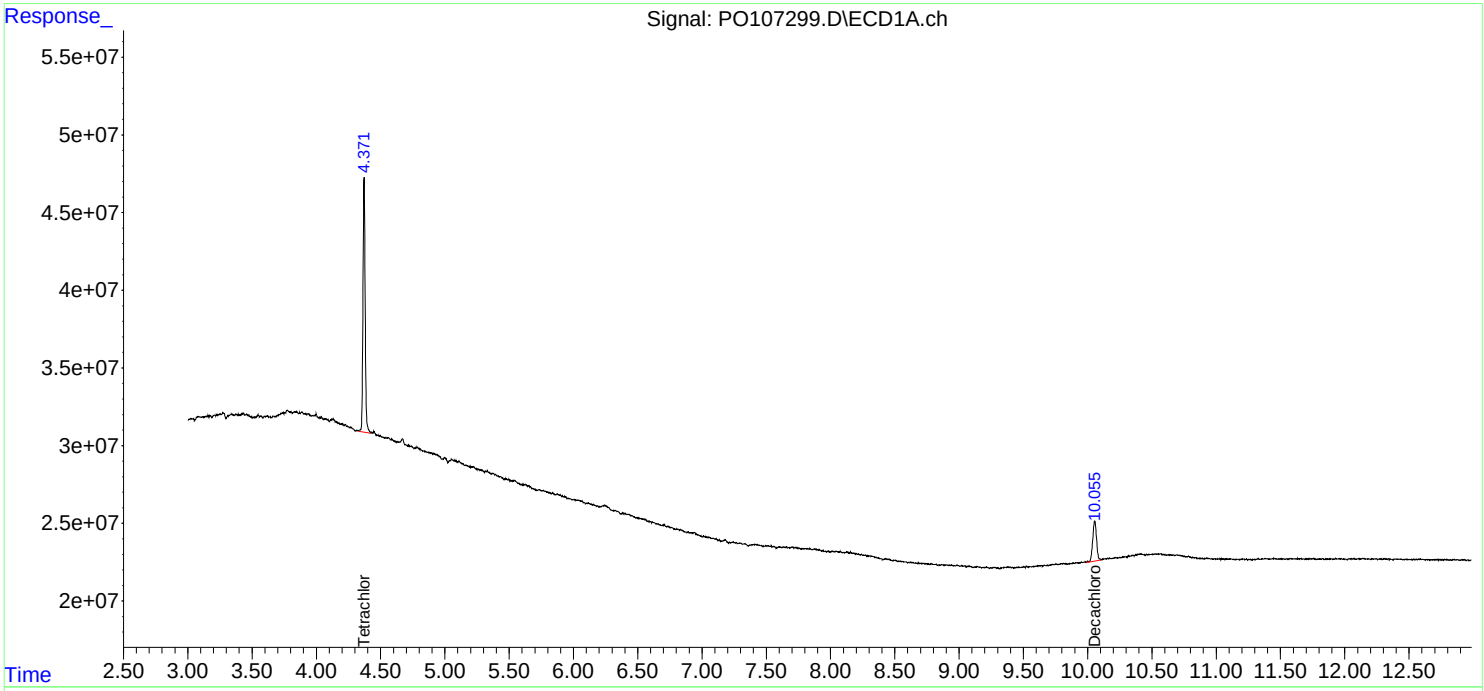
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

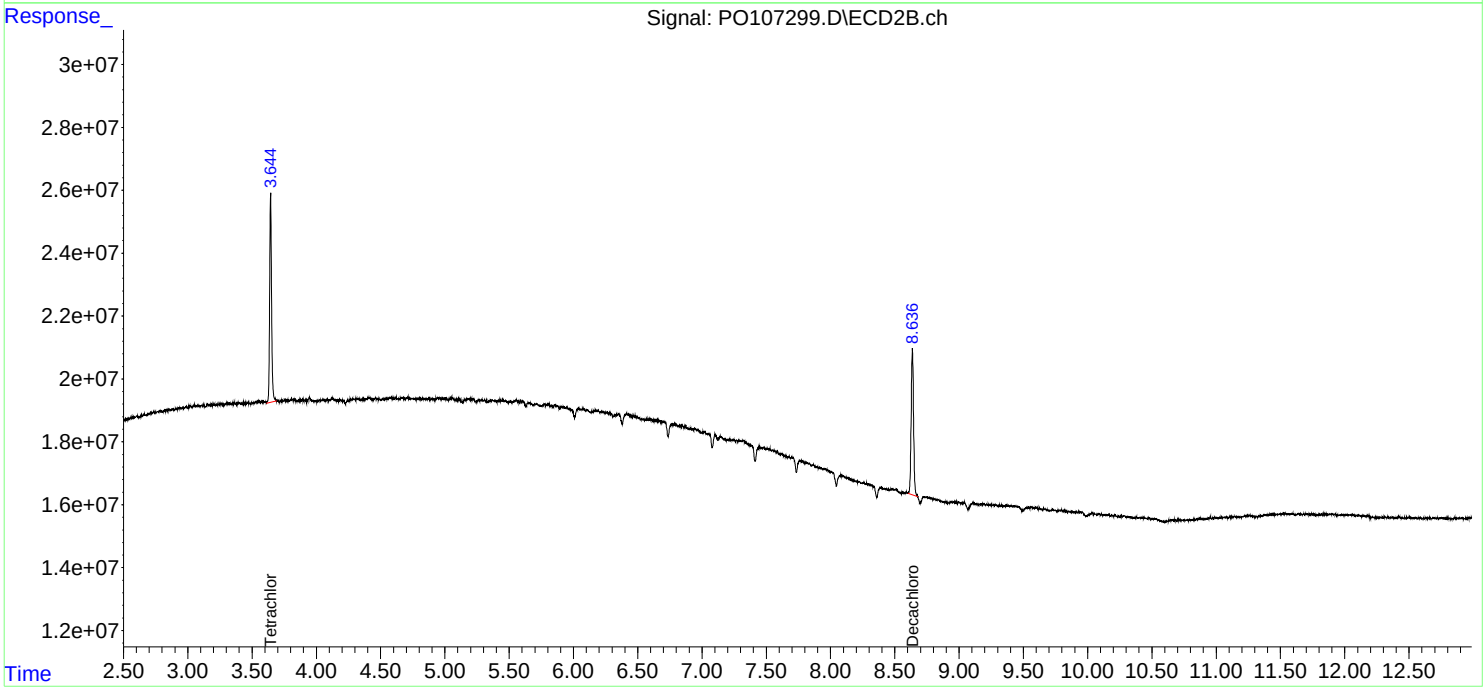
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 14:49
Operator : YP/AJ
Sample : PB164287BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB164287BL

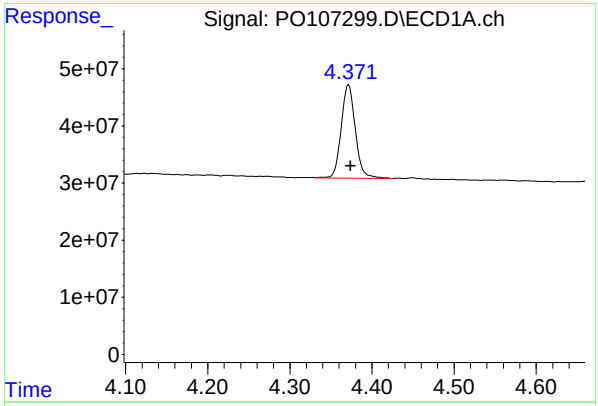
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:08:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 2024
Response via : Initial Calibration
Integrator: ChemStation

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





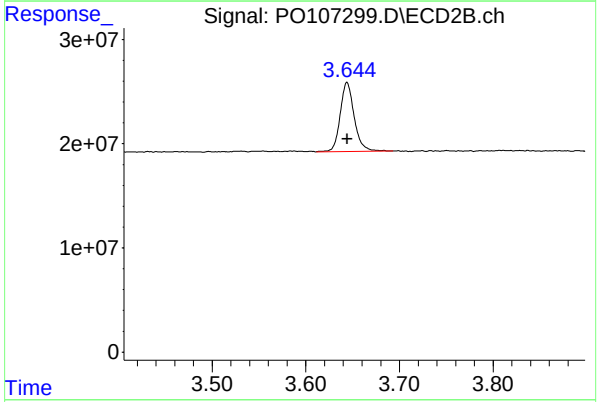
10



#1 Tetrachloro-m-xylene

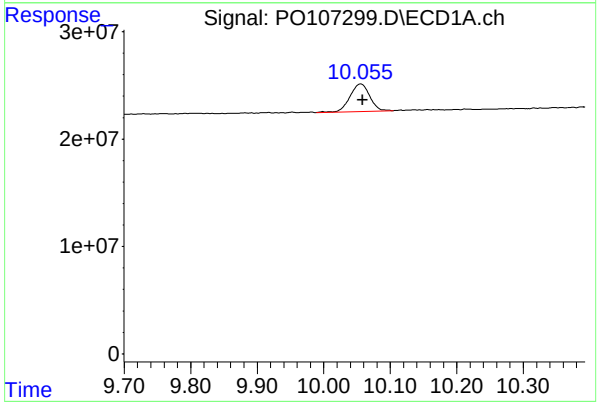
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 194563659
Conc: 21.35 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164287BL



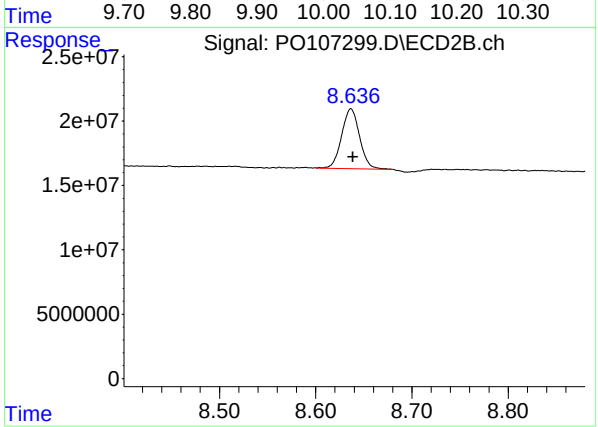
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: 0.000 min
Response: 68887507
Conc: 21.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.056 min
Delta R.T.: -0.003 min
Response: 53191470
Conc: 21.68 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.637 min
Delta R.T.: -0.002 min
Response: 60107238
Conc: 21.92 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 18:22
Operator : YP\AJ
Sample : PB164342BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164342BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:49:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.754	4.050	18648225	19193272	20.146	18.996
2)	SA Decachlor...	10.669	9.210	24885304	23615403	21.615	21.058
	Target Compounds						

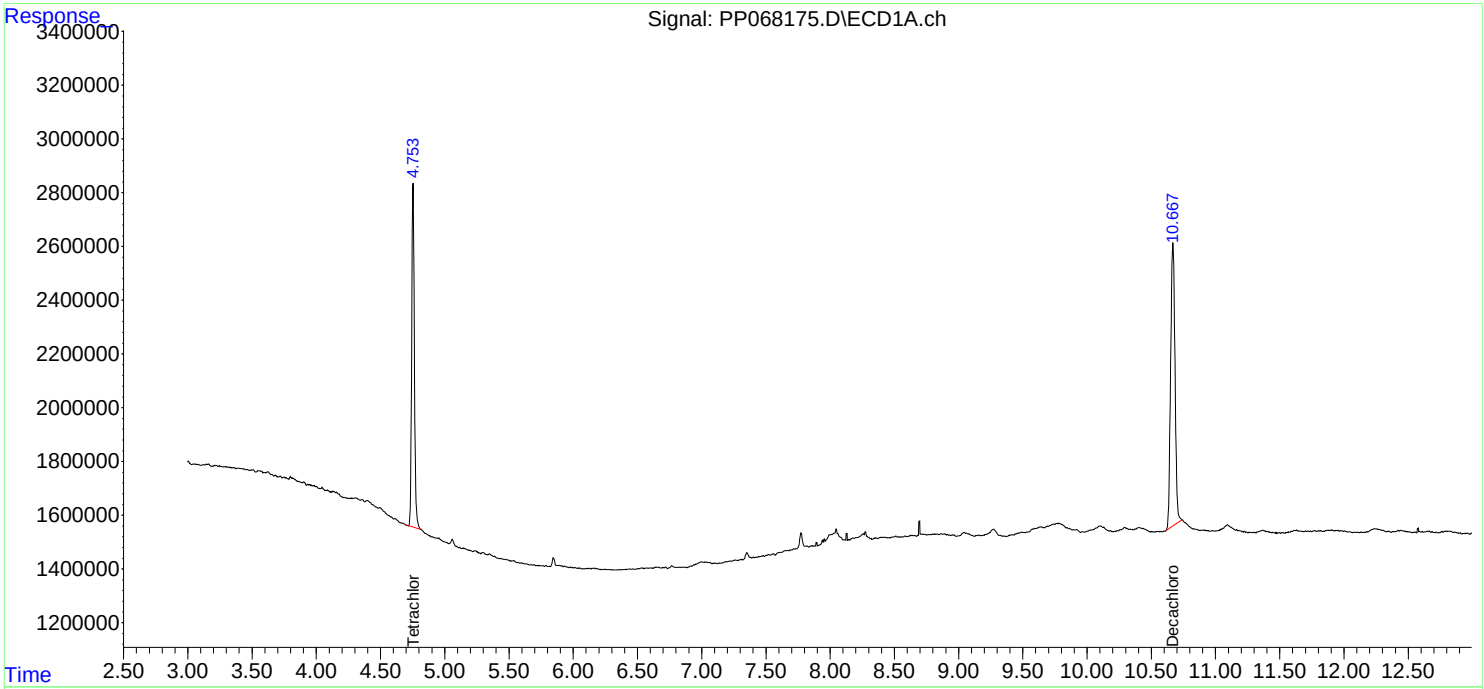
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

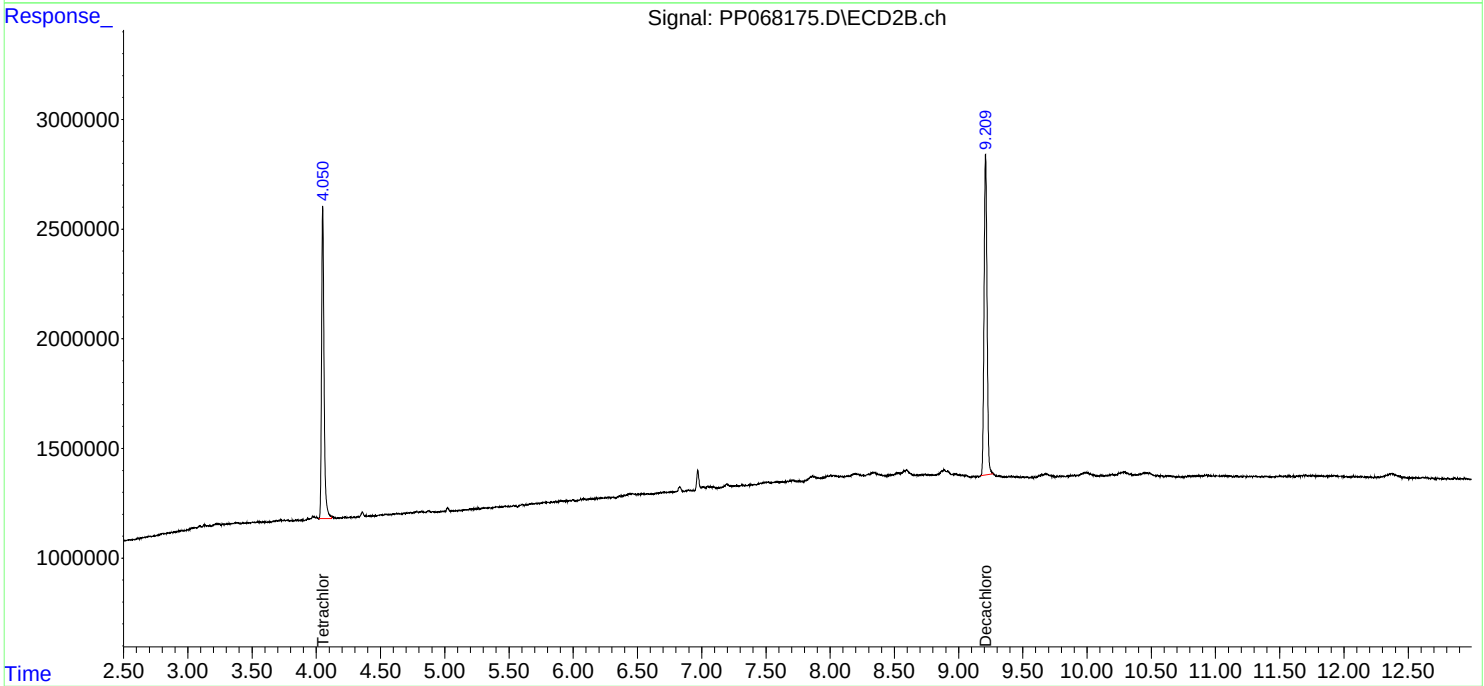
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068175.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 18:22
Operator : YP\AJ
Sample : PB164342BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

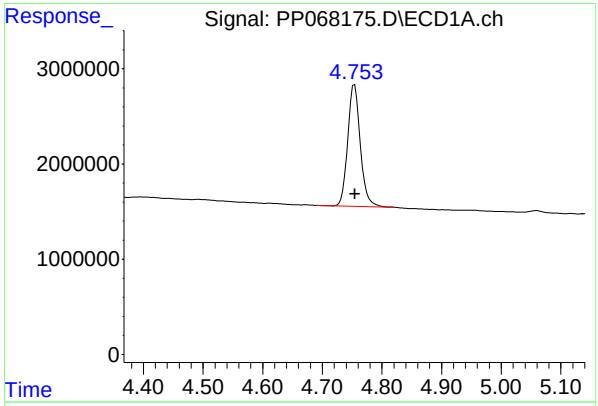
Instrument :
ECD_P
ClientSampleId :
PB164342BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:49:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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



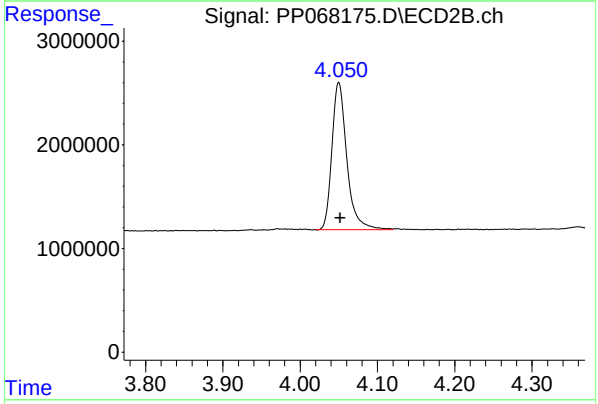




#1 Tetrachloro-m-xylene

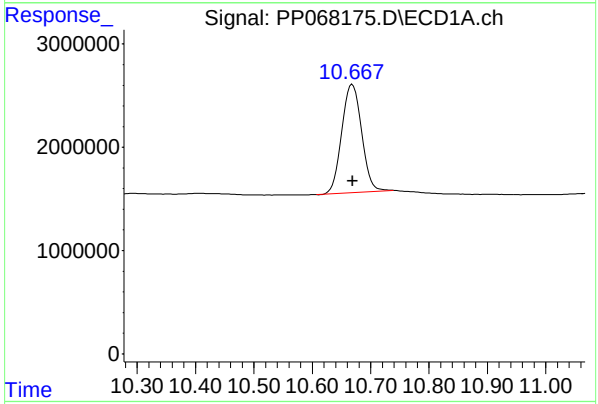
R.T.: 4.754 min
Delta R.T.: -0.001 min
Response: 18648225
Conc: 20.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB164342BL



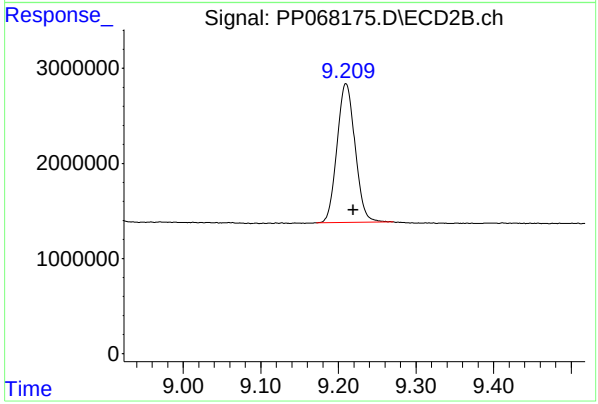
#1 Tetrachloro-m-xylene

R.T.: 4.050 min
Delta R.T.: -0.002 min
Response: 19193272
Conc: 19.00 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.669 min
Delta R.T.: 0.000 min
Response: 24885304
Conc: 21.61 ng/ml



#2 Decachlorobiphenyl

R.T.: 9.210 min
Delta R.T.: -0.009 min
Response: 23615403
Conc: 21.06 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 15:07
Operator : YP/AJ
Sample : PB164287BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB164287BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:09:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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	3.644	198.3E6	68569346	21.763	21.305
2)	SA Decachlor...	10.056	8.637	52695274	62686860	21.479	22.865
	Target Compounds						
3)	L1 AR-1016-1	5.520	4.726	126.2E6	47975748	467.897m	464.586
4)	L1 AR-1016-2	5.543	4.745	185.8E6	71126209	468.100m	504.557
5)	L1 AR-1016-3	5.605	4.920	108.0E6	37324349	430.083m	473.986
6)	L1 AR-1016-4	5.701	4.961	89309342	27261827	463.675m	412.381
7)	L1 AR-1016-5	5.997	5.175	83877781	37012962	459.218	450.642
31)	L7 AR-1260-1	7.123	6.205	125.2E6	75778633	483.984	488.407m
32)	L7 AR-1260-2	7.379	6.392	133.0E6	83669164	505.256	475.081m
33)	L7 AR-1260-3	7.741	6.546	78718828	84303428	437.947	502.560m
34)	L7 AR-1260-4	7.966	7.016	85631044	63789339	487.915	440.897m
35)	L7 AR-1260-5	8.279	7.257	137.4E6	150.7E6	483.240	457.409m

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

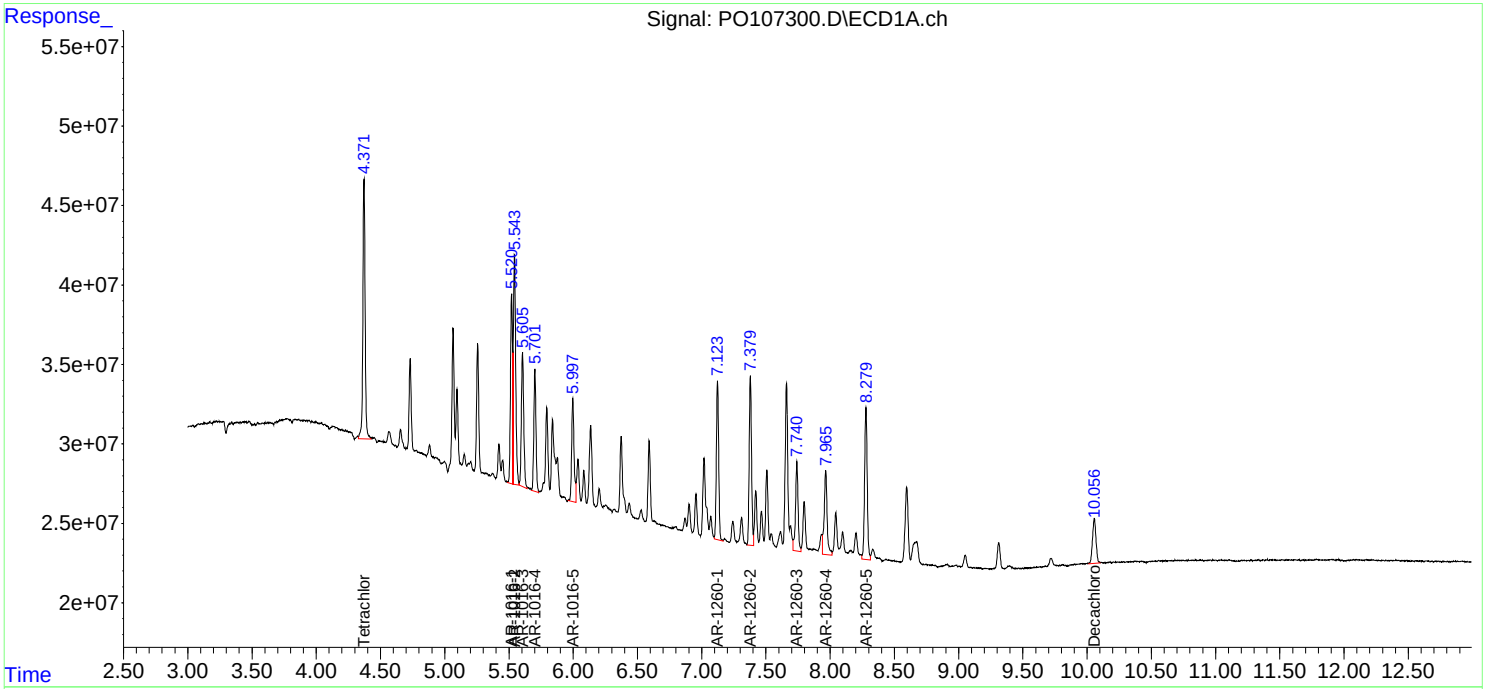
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 15:07
Operator : YP/AJ
Sample : PB164287BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

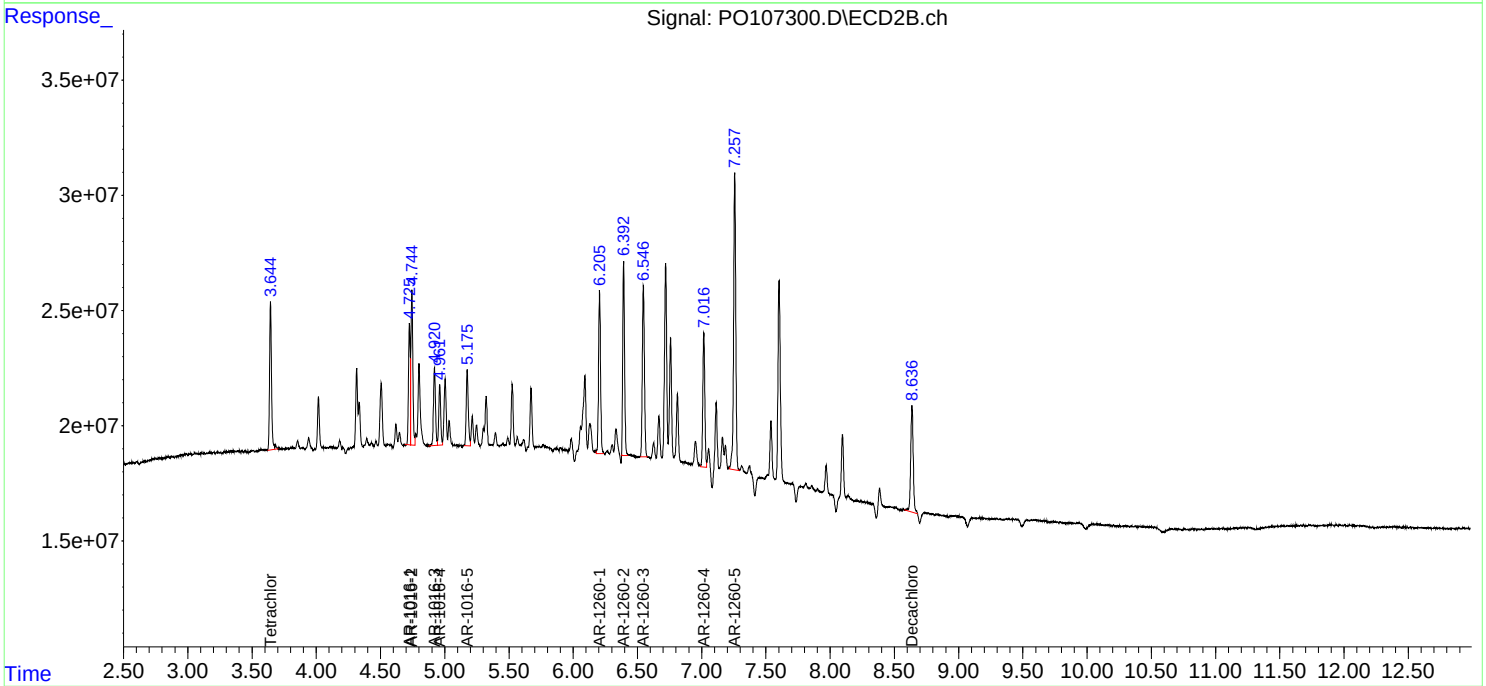
Instrument :
ECD_O
ClientSampleId :
PB164287BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:09:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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_P\Data\PP102324\
Data File : PP068176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 18:38
Operator : YP\AJ
Sample : PB164342BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164342BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:50:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.756	4.049	19224984	18166459	20.769	17.979m
2)	SA Decachlor...	10.670	9.210	24656815	23407491	21.416	20.872
	Target Compounds						
3)	L1 AR-1016-1	5.922	5.157	16123319	14045250	487.600	401.439
4)	L1 AR-1016-2	5.943	5.177	21046992	19490974	431.549	404.641
5)	L1 AR-1016-3	6.006	5.357	13809102	10885330	438.218	404.096
6)	L1 AR-1016-4	6.105	5.397	11220584	9463645	435.858	392.925
7)	L1 AR-1016-5	6.399	5.616	11091565	11804780	409.783	388.189
31)	L7 AR-1260-1	7.523	6.659	22118709	23156819	409.426	406.531
32)	L7 AR-1260-2	7.776	6.846	25853285	27111757	408.613	406.446
33)	L7 AR-1260-3	8.137	7.004	18390752	26078363	354.699	409.386
34)	L7 AR-1260-4	8.376	7.478	22268749	20036793	369.947	362.377
35)	L7 AR-1260-5	8.713	7.716	39982679	44237539	371.200	361.718

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 18:38
Operator : YP\AJ
Sample : PB164342BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

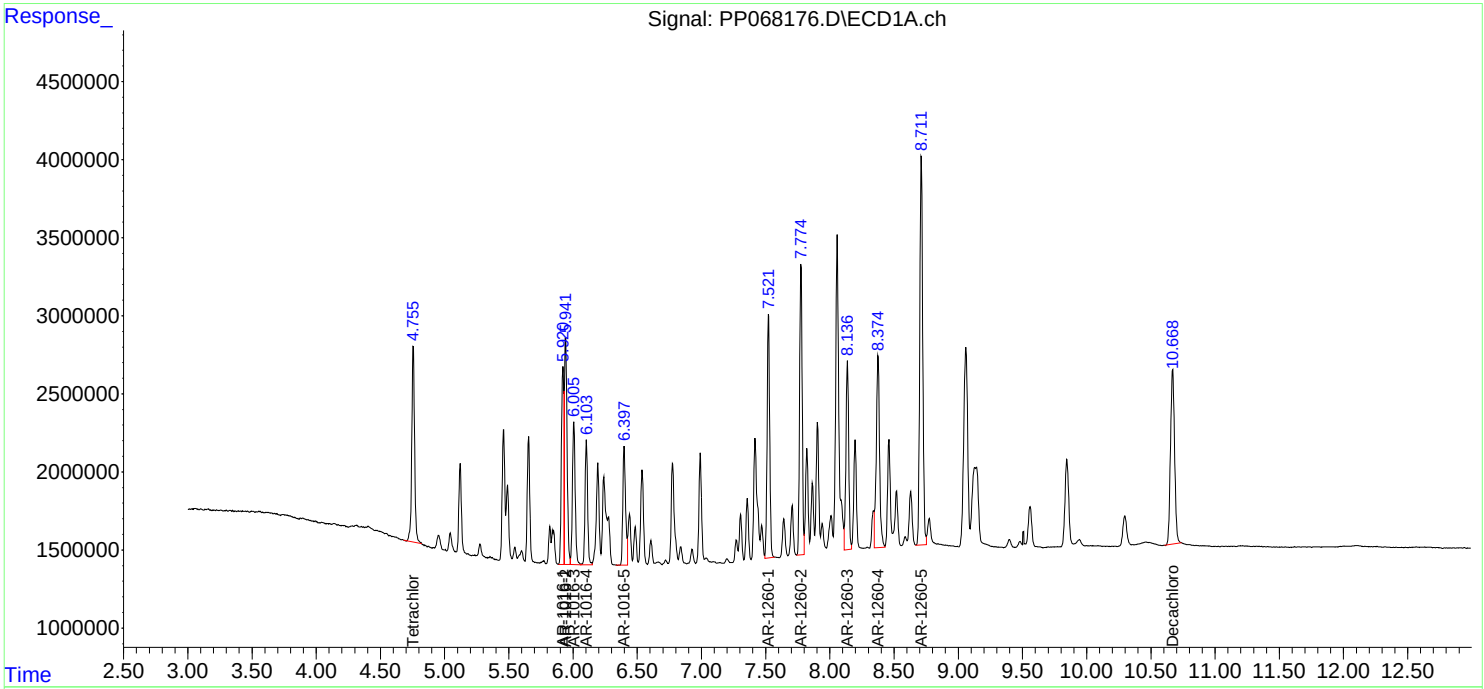
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:50:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 2024
Response via : Initial Calibration
Integrator: ChemStation

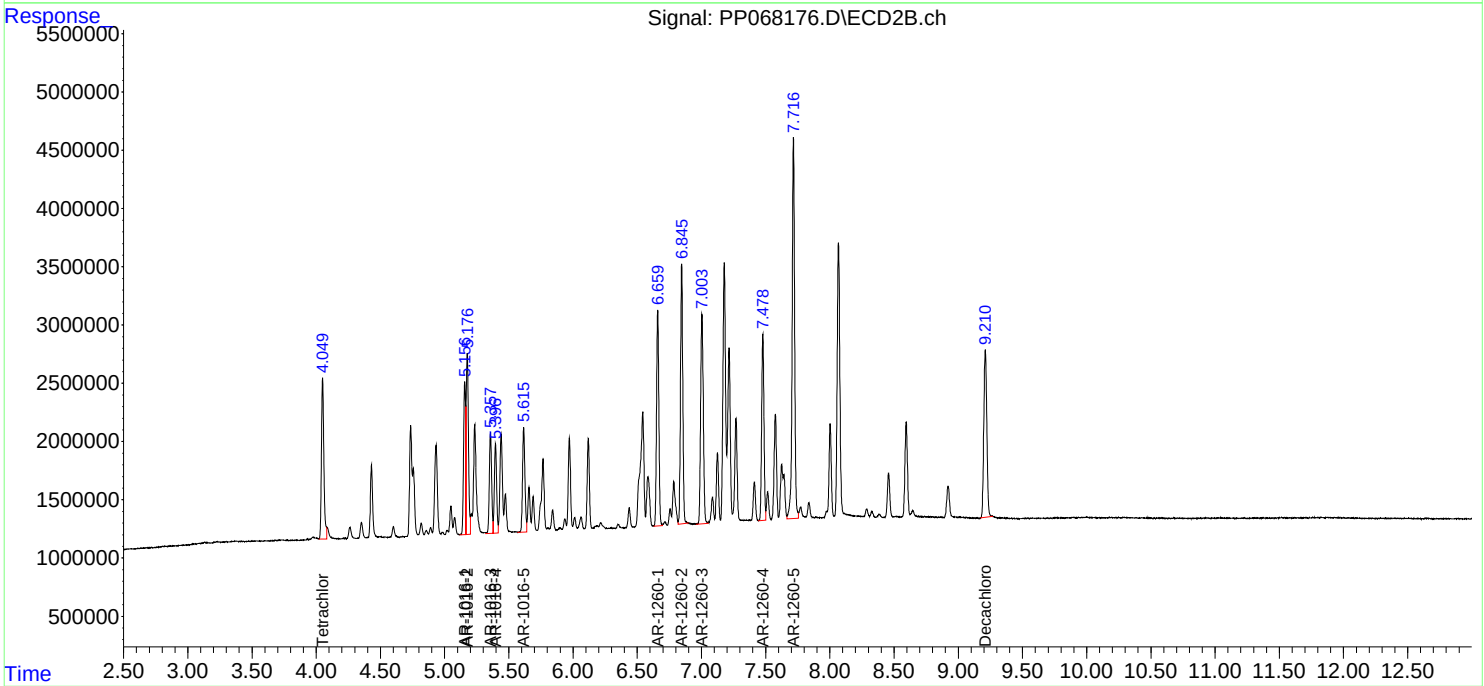
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Instrument :
ECD_P
ClientSampleId :
PB164342BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 18:54
Operator : YP\AJ
Sample : PB164342BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB164342BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:50:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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...	4.756	4.050	19056672	18598107	20.588	18.407m
2)	SA Decachlor...	10.670	9.211	25597897	24253796	22.234	21.627
	Target Compounds						
3)	L1 AR-1016-1	5.921	5.157	14585226	14388461	441.085	411.249
4)	L1 AR-1016-2	5.943	5.177	21930915	19989589	449.673	414.993
5)	L1 AR-1016-3	6.007	5.358	13658230	11117767	433.430	412.725
6)	L1 AR-1016-4	6.105	5.397	10869480	9713763	422.220	403.310
7)	L1 AR-1016-5	6.399	5.616	10946926	12148918	404.440	399.506
31)	L7 AR-1260-1	7.523	6.660	22954476	23791200	424.896	417.668
32)	L7 AR-1260-2	7.776	6.847	26677996	28291770	421.648	424.137
33)	L7 AR-1260-3	8.138	7.004	19043367	26992363	367.286	423.734
34)	L7 AR-1260-4	8.375	7.479	23018912	20898728	382.409	377.965
35)	L7 AR-1260-5	8.714	7.718	40778133	46376346	378.585	379.206

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

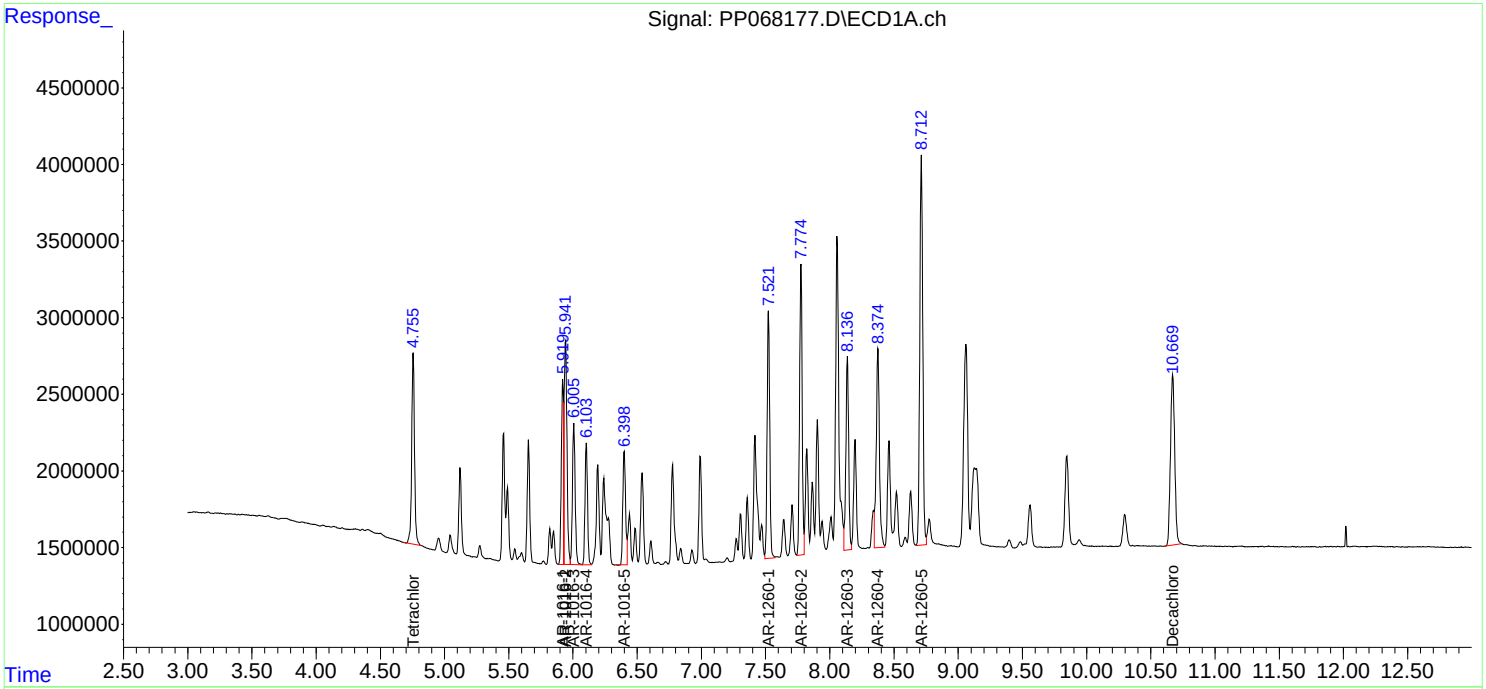
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP102324\
Data File : PP068177.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Oct 2024 18:54
Operator : YP\AJ
Sample : PB164342BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

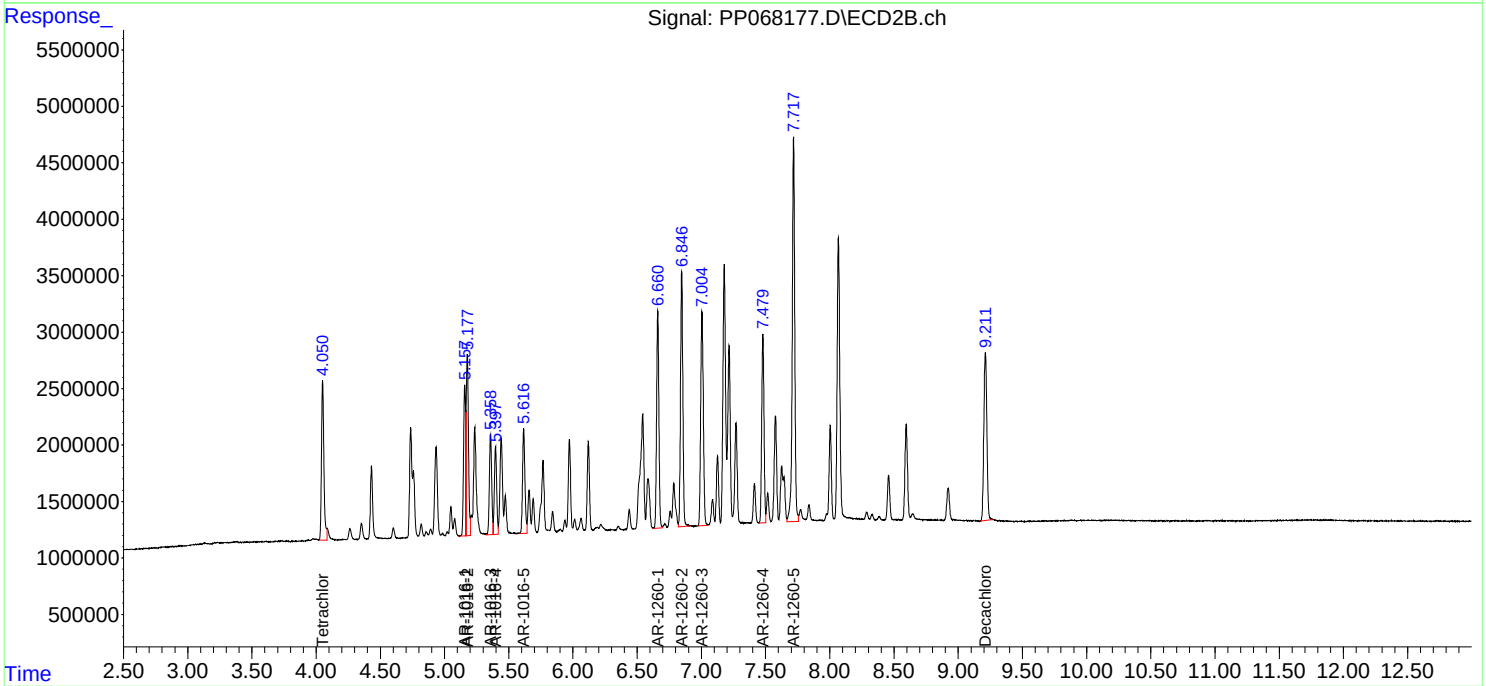
Instrument :
ECD_P
ClientSampleId :
PB164342BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :Ankita Jodhani 10/24/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 23 21:50:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP100824.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 09 05:48:32 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\PO102124\
Data File : PO107305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 16:38
Operator : YP/AJ
Sample : P4455-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SU-4-101824MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:13:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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	3.644	146.8E6	74586625	16.111	23.174 #
2)	SA Decachlor...	10.056	8.637	40013836	39137108	16.310	14.275
	Target Compounds						
3)	L1 AR-1016-1	5.520	4.725	128.1E6	46016720	474.843m	445.615m
4)	L1 AR-1016-2	5.543	4.744	168.0E6	61219935	423.312m	434.283m
5)	L1 AR-1016-3	5.605	4.920	101.3E6	35875908	403.298m	455.592m
6)	L1 AR-1016-4	5.701	4.963	88774592	28316118	460.899m	428.329m
7)	L1 AR-1016-5	5.996	5.175	71099888	32712522	389.261m	398.283
31)	L7 AR-1260-1	7.124	6.206	113.8E6	68034580	440.074m	438.495m
32)	L7 AR-1260-2	7.379	6.393	100.3E6	77845041	381.093m	442.011m
33)	L7 AR-1260-3	7.741	6.547	69316218	75918777	385.636m	452.576m
34)	L7 AR-1260-4	7.966	7.017	81559498	58163526	464.716m	402.013
35)	L7 AR-1260-5	8.279	7.258	124.4E6	138.9E6	437.295m	421.723

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

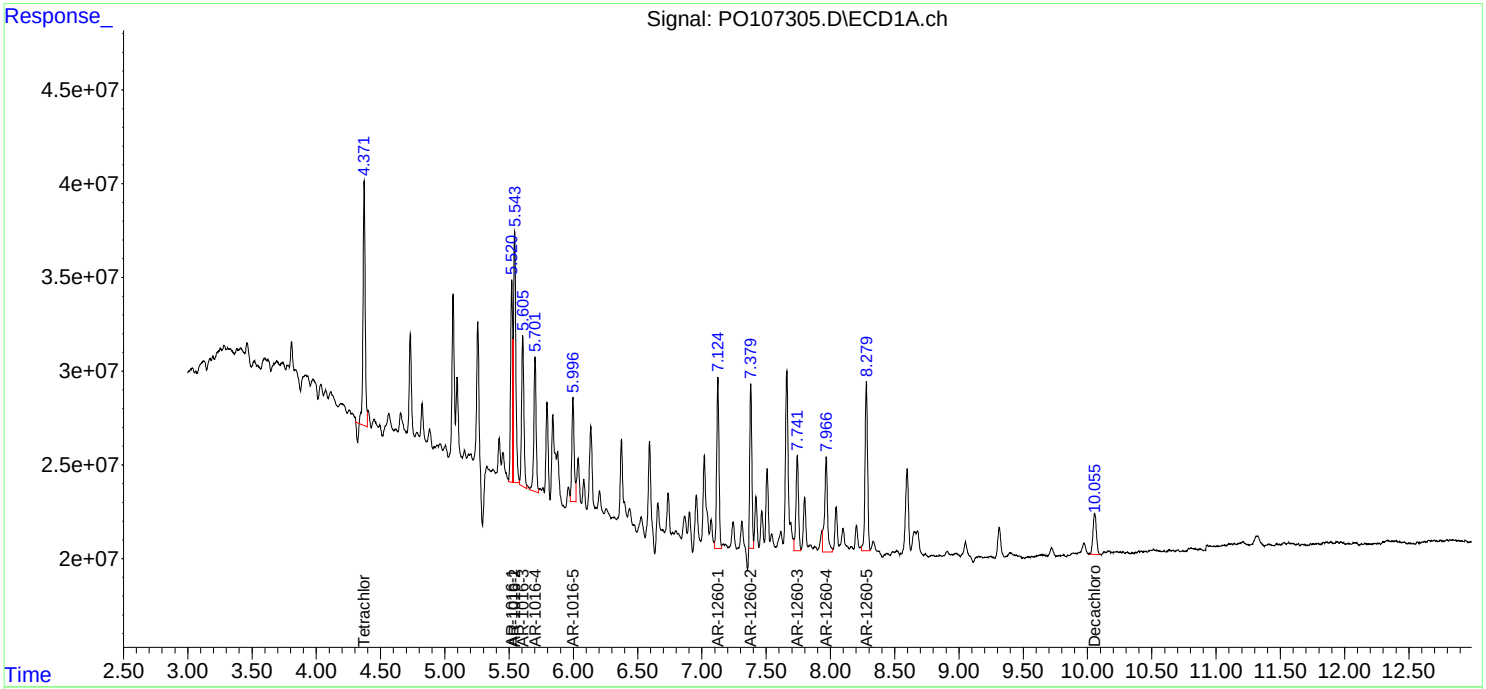
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 16:38
Operator : YP/AJ
Sample : P4455-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

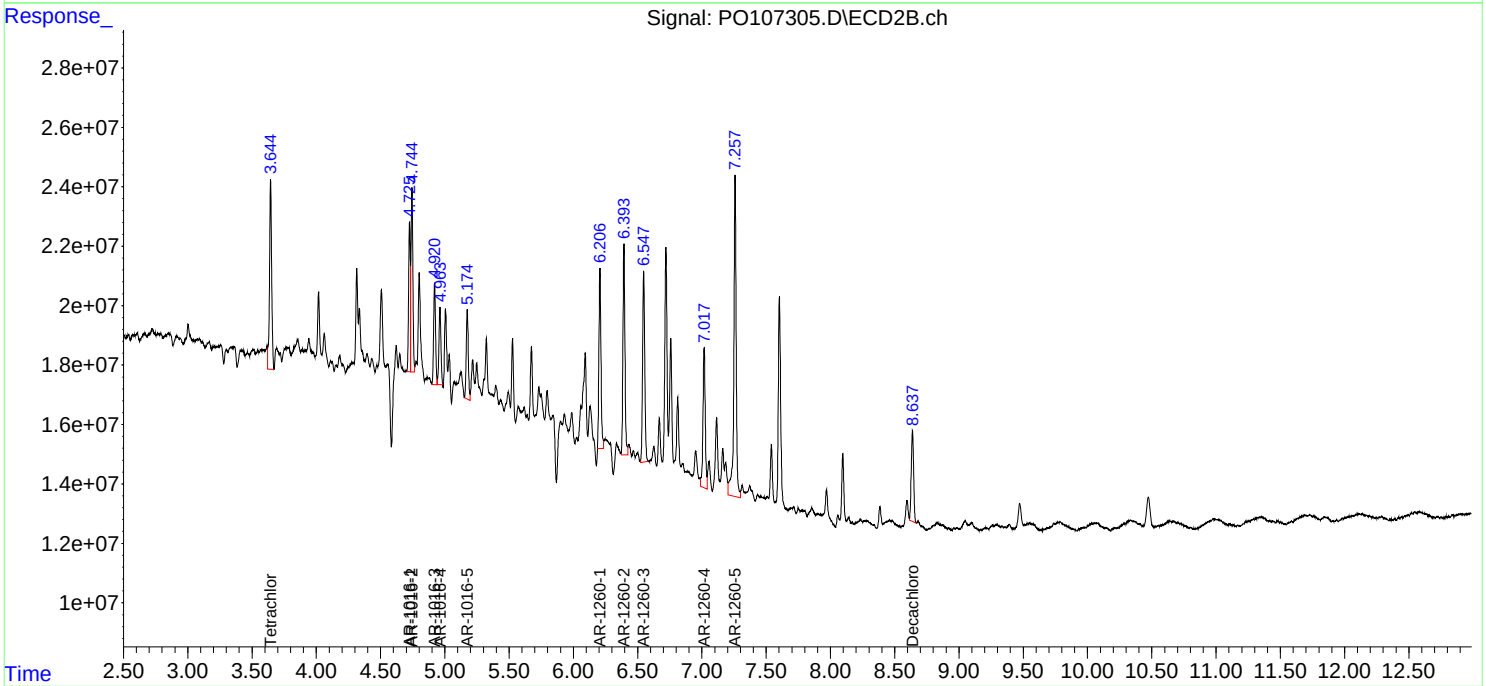
Instrument :
ECD_O
ClientSampleId :
SU-4-101824MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:13:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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\PO102124\
Data File : PO107306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 16:56
Operator : YP/AJ
Sample : P4455-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
SU-4-101824MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:13:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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	3.644	165.7E6	75440856	18.177	23.440 #
2)	SA Decachlor...	10.056	8.637	36727776	36567799	14.970	13.338
	Target Compounds						
3)	L1 AR-1016-1	5.519	4.725	121.4E6	47575359	450.054m	460.708m
4)	L1 AR-1016-2	5.541	4.744	167.7E6	67655458	422.552m	479.936
5)	L1 AR-1016-3	5.605	4.920	97557887	39852771	388.414m	506.095m#
6)	L1 AR-1016-4	5.701	4.961	86539254	33538796	449.293m	507.331m
7)	L1 AR-1016-5	5.995	5.174	72642099	31241172	397.704m	380.369
31)	L7 AR-1260-1	7.122	6.206	115.7E6	71168879	447.531m	458.697m
32)	L7 AR-1260-2	7.379	6.393	95877929	85660714	364.250m	486.389m#
33)	L7 AR-1260-3	7.741	6.546	65307702	76972302	363.335m	458.856 #
34)	L7 AR-1260-4	7.965	7.017	74560395	56013515	424.836m	387.153
35)	L7 AR-1260-5	8.278	7.257	122.7E6	129.3E6	431.306m	392.503

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

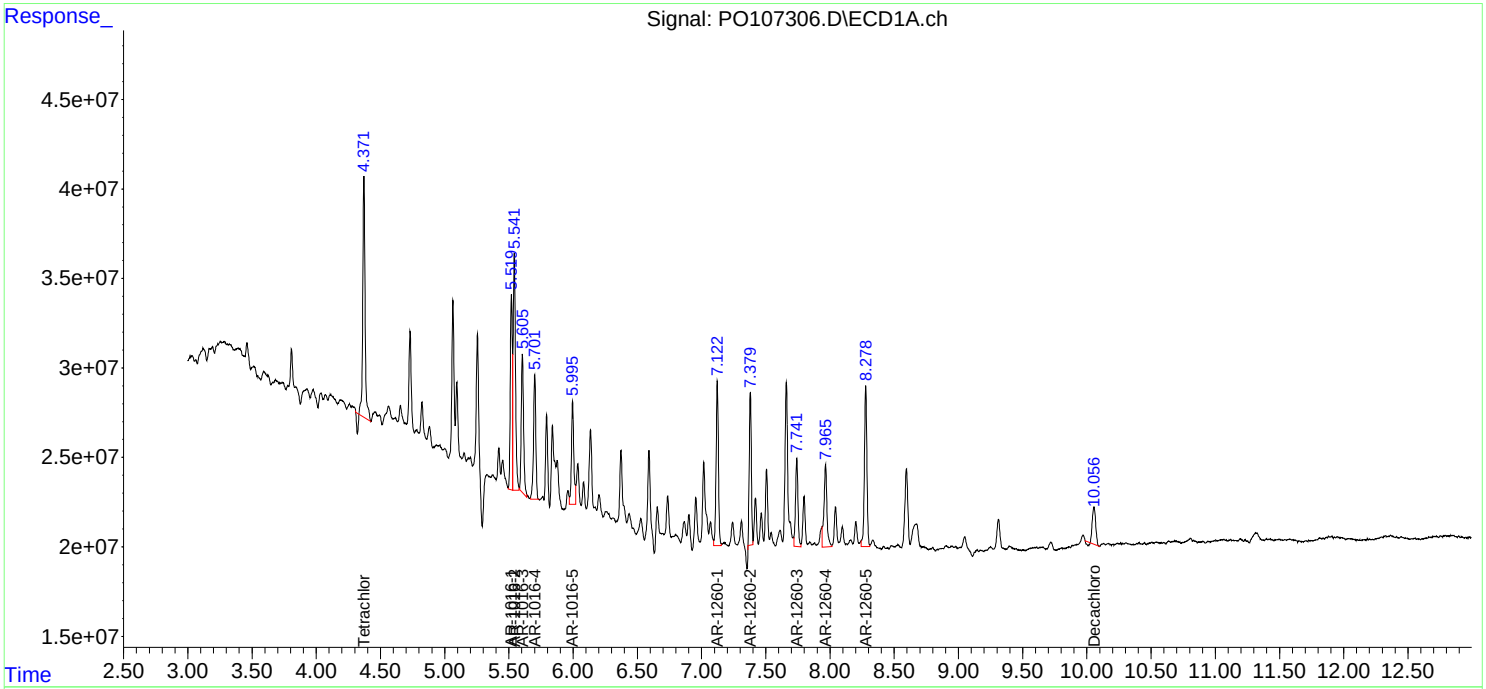
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO102124\
Data File : PO107306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Oct 2024 16:56
Operator : YP/AJ
Sample : P4455-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

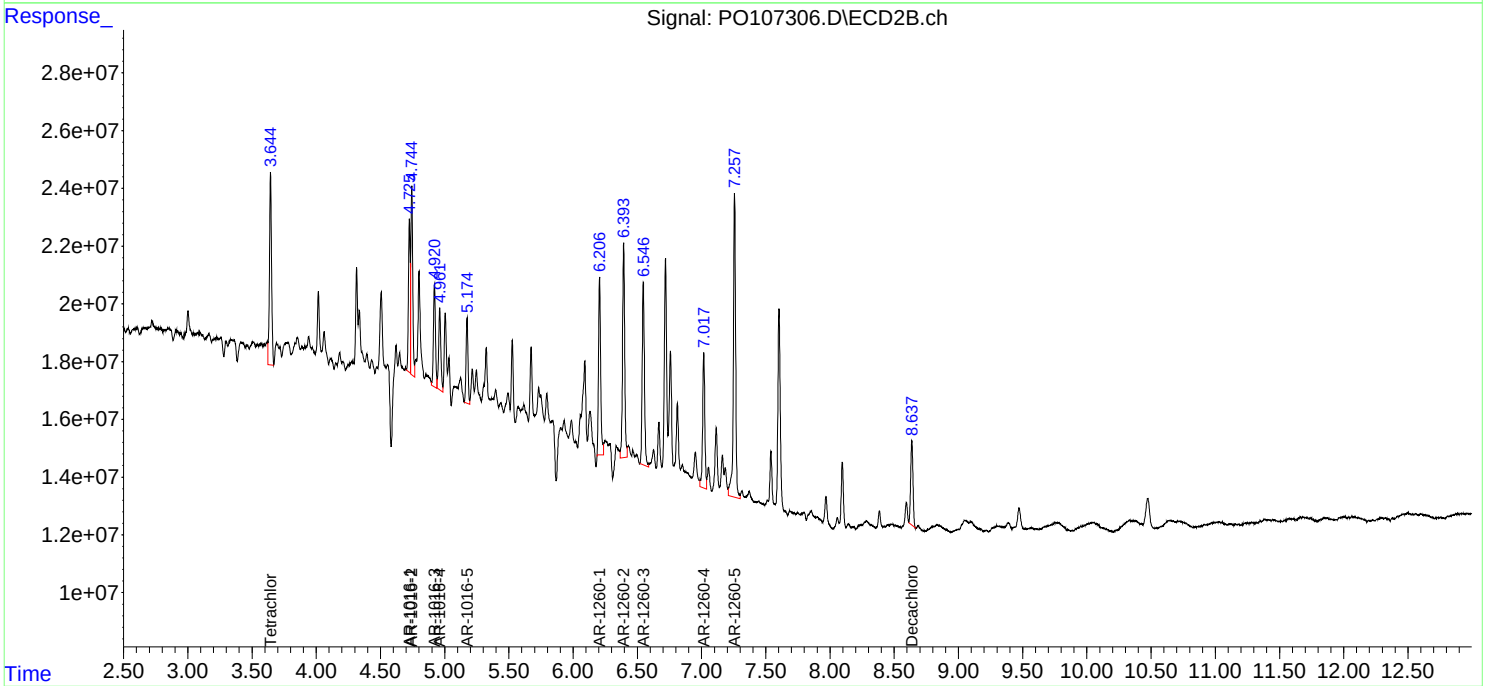
Instrument :
ECD_O
ClientSampleId :
SU-4-101824MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :Ankita Jodhani 10/22/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 22 07:13:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Oct 16 04:53:16 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:	po101524	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO107188.D	AR-1260-1 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-2 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-3	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-3 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-4 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-5	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-5 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	Decachlorobiphenyl #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1268ICC050	PO107211.D	AR-1268-1	yogesh	10/16/2024 8:49:03 AM	Ankita	10/16/2024 9:57:36	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO102124	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO107293.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:03 PM	Ankita	10/22/2024 3:09:40	Peak Integrated by Software
AR1660CCC500	PO107293.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:03 PM	Ankita	10/22/2024 3:09:40	Peak Integrated by Software
AR1660CCC500	PO107293.D	AR-1260-4 #2	yogesh	10/22/2024 3:08:03 PM	Ankita	10/22/2024 3:09:40	Peak Integrated by Software
AR1660CCC500	PO107293.D	AR-1260-5 #2	yogesh	10/22/2024 3:08:03 PM	Ankita	10/22/2024 3:09:40	Peak Integrated by Software
AR1248CCC500	PO107295.D	Tetrachloro-m-xylene #2	yogesh	10/22/2024 3:08:05 PM	Ankita	10/22/2024 3:10:10	Peak Integrated by Software
AR1254CCC500	PO107296.D	AR-1254-2 #2	yogesh	10/22/2024 3:08:07 PM	Ankita	10/22/2024 3:09:47	Peak Integrated by Software
AR1254CCC500	PO107296.D	AR-1254-3 #2	yogesh	10/22/2024 3:08:07 PM	Ankita	10/22/2024 3:09:47	Peak Integrated by Software
AR1254CCC500	PO107296.D	AR-1254-4 #2	yogesh	10/22/2024 3:08:07 PM	Ankita	10/22/2024 3:09:47	Peak Integrated by Software
I.BLK	PO107297.D	Decachlorobiphenyl #2	yogesh	10/22/2024 3:08:09 PM	Ankita	10/22/2024 3:09:50	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1016-1	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1016-2	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1016-3	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1016-4	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO102124	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164287BS	PO107300.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1260-3 #2	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1260-4 #2	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
PB164287BS	PO107300.D	AR-1260-5 #2	yogesh	10/22/2024 3:08:13 PM	Ankita	10/22/2024 3:10:12	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-1	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-1 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-2 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-3	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-3 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-4	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1016-4 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software

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Sequence:	PO102124	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4455-01MS	PO107305.D	AR-1016-5	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-1	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-3	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-3 #2	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-4	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MS	PO107305.D	AR-1260-5	yogesh	10/22/2024 3:08:21 PM	Ankita	10/22/2024 3:10:25	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-1	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-1 #2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-3	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software

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Sequence:	PO102124	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4455-01MSD	PO107306.D	AR-1016-3 #2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-4	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-4 #2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1016-5	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-1	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-3	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-4	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
P4455-01MSD	PO107306.D	AR-1260-5	yogesh	10/22/2024 3:08:23 PM	Ankita	10/22/2024 3:10:27	Peak Integrated by Software
AR1660CCC500	PO107308.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:27 PM	Ankita	10/22/2024 3:10:30	Peak Integrated by Software
AR1660CCC500	PO107308.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:27 PM	Ankita	10/22/2024 3:10:30	Peak Integrated by Software

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Sequence:	PO102124	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO107308.D	AR-1260-4 #2	yogesh	10/22/2024 3:08:27 PM	Ankita	10/22/2024 3:10:30	Peak Integrated by Software
AR1660CCC500	PO107308.D	AR-1260-5 #2	yogesh	10/22/2024 3:08:27 PM	Ankita	10/22/2024 3:10:30	Peak Integrated by Software
AR1242CCC500	PO107309.D	AR-1242-5	yogesh	10/22/2024 3:08:28 PM	Ankita	10/22/2024 3:10:33	Peak Integrated by Software
P4460-02	PO107315.D	Tetrachloro-m-xylene	yogesh	10/22/2024 3:08:33 PM	Ankita	10/22/2024 3:10:50	Peak Integrated by Software
P4460-02	PO107315.D	Tetrachloro-m-xylene #2	yogesh	10/22/2024 3:08:33 PM	Ankita	10/22/2024 3:10:50	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1016-5 #2	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-1	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-2	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-3	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-4	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1660CCC500	PO107323.D	AR-1260-4 #2	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software

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Sequence:	PO102124	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PO107323.D	AR-1260-5 #2	yogesh	10/22/2024 3:08:37 PM	Ankita	10/22/2024 3:11:04	Peak Integrated by Software
AR1248CCC50 0	PO107325.D	AR-1248-5 #2	yogesh	10/22/2024 3:08:38 PM	Ankita	10/22/2024 3:11:06	Peak Integrated by Software
AR1254CCC50 0	PO107326.D	AR-1254-2 #2	yogesh	10/22/2024 3:08:41 PM	Ankita	10/22/2024 3:11:08	Peak Integrated by Software
AR1254CCC50 0	PO107326.D	AR-1254-3 #2	yogesh	10/22/2024 3:08:41 PM	Ankita	10/22/2024 3:11:08	Peak Integrated by Software
AR1254CCC50 0	PO107326.D	AR-1254-4 #2	yogesh	10/22/2024 3:08:41 PM	Ankita	10/22/2024 3:11:08	Peak Integrated by Software
AR1660CCC50 0	PO107329.D	AR-1016-5 #2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC50 0	PO107329.D	AR-1260-1	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC50 0	PO107329.D	AR-1260-1 #2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC50 0	PO107329.D	AR-1260-2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC50 0	PO107329.D	AR-1260-2 #2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC50 0	PO107329.D	AR-1260-3	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC50 0	PO107329.D	AR-1260-3 #2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC50 0	PO107329.D	AR-1260-4	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO102124	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO107329.D	AR-1260-4 #2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1660CCC500	PO107329.D	AR-1260-5 #2	yogesh	10/22/2024 3:08:45 PM	Ankita	10/22/2024 3:11:11	Peak Integrated by Software
AR1254CCC500	PO107332.D	AR-1254-3 #2	yogesh	10/22/2024 3:08:46 PM	Ankita	10/22/2024 3:11:13	Peak Integrated by Software
AR1254CCC500	PO107332.D	AR-1254-4	yogesh	10/22/2024 3:08:46 PM	Ankita	10/22/2024 3:11:13	Peak Integrated by Software
AR1254CCC500	PO107332.D	AR-1254-4 #2	yogesh	10/22/2024 3:08:46 PM	Ankita	10/22/2024 3:11:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp100824	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP067590.D	AR-1016-5 #2	yogesh	10/9/2024 8:24:09 AM	Ankita	10/9/2024 9:46:08	Peak Integrated by Software
AR1660ICC050	PP067591.D	AR-1016-5 #2	yogesh	10/9/2024 8:24:11 AM	Ankita	10/9/2024 9:46:09	Peak Integrated by Software
AR1242ICC500	PP067596.D	Tetrachloro-m-xylene	yogesh	10/9/2024 8:24:13 AM	Ankita	10/9/2024 9:46:11	Peak Integrated by Software
AR1242ICC050	PP067598.D	Tetrachloro-m-xylene	yogesh	10/9/2024 8:24:16 AM	Ankita	10/9/2024 9:46:12	Peak Integrated by Software
AR1254ICC750	PP067605.D	AR-1254-5	yogesh	10/9/2024 8:24:18 AM	Ankita	10/9/2024 9:46:13	Peak Integrated by Software
AR1254ICC500	PP067606.D	AR-1254-5	yogesh	10/9/2024 8:24:20 AM	Ankita	10/9/2024 9:46:15	Peak Integrated by Software
AR1254ICC050	PP067608.D	AR-1254-1	yogesh	10/9/2024 8:24:22 AM	Ankita	10/9/2024 9:48:32	Peak Integrated by Software
AR1254ICC050	PP067608.D	AR-1254-4 #2	yogesh	10/9/2024 8:24:22 AM	Ankita	10/9/2024 9:48:32	Peak Integrated by Software
AR1262ICC500	PP067609.D	AR-1262-3	yogesh	10/9/2024 8:24:24 AM	Ankita	10/9/2024 9:48:33	Peak Integrated by Software
AR1268ICC1000	PP067610.D	AR-1268-1	yogesh	10/9/2024 8:24:27 AM	Ankita	10/9/2024 9:48:35	Peak Integrated by Software
AR1268ICC1000	PP067610.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:27 AM	Ankita	10/9/2024 9:48:35	Peak Integrated by Software
AR1268ICC750	PP067611.D	AR-1268-1	yogesh	10/9/2024 8:24:29 AM	Ankita	10/9/2024 9:48:36	Peak Integrated by Software
AR1268ICC750	PP067611.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:29 AM	Ankita	10/9/2024 9:48:36	Peak Integrated by Software

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Sequence:	pp100824	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC500	PP067612.D	AR-1268-1	yogesh	10/9/2024 8:24:31 AM	Ankita	10/9/2024 9:48:38	Peak Integrated by Software
AR1268ICC500	PP067612.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:31 AM	Ankita	10/9/2024 9:48:38	Peak Integrated by Software
AR1268ICC250	PP067613.D	AR-1268-1	yogesh	10/9/2024 8:24:33 AM	Ankita	10/9/2024 9:48:39	Peak Integrated by Software
AR1268ICC250	PP067613.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:33 AM	Ankita	10/9/2024 9:48:39	Peak Integrated by Software
AR1268ICC050	PP067614.D	AR-1268-1	yogesh	10/9/2024 8:24:35 AM	Ankita	10/9/2024 9:48:41	Peak Integrated by Software
AR1268ICC050	PP067614.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:35 AM	Ankita	10/9/2024 9:48:41	Peak Integrated by Software
AR1242ICV500	PP067616.D	AR-1242-1 #2	yogesh	10/9/2024 8:24:36 AM	Ankita	10/9/2024 9:48:43	Peak Integrated by Software
AR1242ICV500	PP067616.D	AR-1242-2 #2	yogesh	10/9/2024 8:24:36 AM	Ankita	10/9/2024 9:48:43	Peak Integrated by Software
AR1254ICV500	PP067618.D	AR-1254-4 #2	yogesh	10/9/2024 8:24:38 AM	Ankita	10/9/2024 9:48:44	Peak Integrated by Software
AR1254ICV500	PP067618.D	AR-1254-5	yogesh	10/9/2024 8:24:38 AM	Ankita	10/9/2024 9:48:44	Peak Integrated by Software
AR1268ICV500	PP067619.D	AR-1268-1	yogesh	10/9/2024 8:24:40 AM	Ankita	10/9/2024 9:48:46	Peak Integrated by Software
AR1268ICV500	PP067619.D	AR-1268-1 #2	yogesh	10/9/2024 8:24:40 AM	Ankita	10/9/2024 9:48:46	Peak Integrated by Software

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Sequence:	pp100824	Instrument	ECD_p

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

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Manual Integration Report

Sequence:	pp102324	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC50 0	PP068154.D	AR-1254-1	yogesh	10/24/2024 8:28:50 AM	Ankita	10/24/2024 9:29:06	Peak Integrated by Software
AR1254CCC50 0	PP068154.D	AR-1254-4 #2	yogesh	10/24/2024 8:28:50 AM	Ankita	10/24/2024 9:29:06	Peak Integrated by Software
AR1254CCC50 0	PP068154.D	AR-1254-5	yogesh	10/24/2024 8:28:50 AM	Ankita	10/24/2024 9:29:06	Peak Integrated by Software
AR1254CCC50 0	PP068169.D	AR-1254-1	yogesh	10/24/2024 8:28:58 AM	Ankita	10/24/2024 9:29:13	Peak Integrated by Software
AR1254CCC50 0	PP068169.D	AR-1254-5	yogesh	10/24/2024 8:28:58 AM	Ankita	10/24/2024 9:29:13	Peak Integrated by Software
PB164342BS	PP068176.D	Tetrachloro-m-xylene #2	yogesh	10/24/2024 8:29:04 AM	Ankita	10/24/2024 9:29:19	Peak Integrated by Software
PB164342BSD	PP068177.D	Tetrachloro-m-xylene #2	yogesh	10/24/2024 8:29:05 AM	Ankita	10/24/2024 9:29:21	Peak Integrated by Software
AR1254CCC50 0	PP068183.D	AR-1254-1	yogesh	10/24/2024 8:29:10 AM	Ankita	10/24/2024 9:29:24	Peak Integrated by Software
AR1254CCC50 0	PP068183.D	AR-1254-5	yogesh	10/24/2024 8:29:10 AM	Ankita	10/24/2024 9:29:24	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM		
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM		
SubDirectory	PO101524	HP Acquire Method		HP Processing Method	PO101524

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO107180.D	15 Oct 2024 13:05	YP/AJ	Ok
2	AR1660CCC500	PO107181.D	15 Oct 2024 13:23	YP/AJ	Not Ok
3	HEXANE	PO107182.D	15 Oct 2024 17:50	YP/AJ	Ok
4	I.BLK	PO107183.D	15 Oct 2024 18:08	YP/AJ	Ok
5	AR1660ICC1000	PO107184.D	15 Oct 2024 18:27	YP/AJ	Ok
6	AR1660ICC750	PO107185.D	15 Oct 2024 18:45	YP/AJ	Ok
7	AR1660ICC500	PO107186.D	15 Oct 2024 19:03	YP/AJ	Ok
8	AR1660ICC250	PO107187.D	15 Oct 2024 19:21	YP/AJ	Ok
9	AR1660ICC050	PO107188.D	15 Oct 2024 19:39	YP/AJ	Ok,M
10	AR1221ICC500	PO107189.D	15 Oct 2024 19:57	YP/AJ	Ok
11	AR1232ICC500	PO107190.D	15 Oct 2024 20:15	YP/AJ	Ok
12	AR1242ICC1000	PO107191.D	15 Oct 2024 20:34	YP/AJ	Ok
13	AR1242ICC750	PO107192.D	15 Oct 2024 20:52	YP/AJ	Ok
14	AR1242ICC500	PO107193.D	15 Oct 2024 21:10	YP/AJ	Ok
15	AR1242ICC250	PO107194.D	15 Oct 2024 21:28	YP/AJ	Ok
16	AR1242ICC050	PO107195.D	15 Oct 2024 21:46	YP/AJ	Ok
17	AR1248ICC1000	PO107196.D	15 Oct 2024 22:04	YP/AJ	Ok
18	AR1248ICC750	PO107197.D	15 Oct 2024 22:22	YP/AJ	Ok
19	AR1248ICC500	PO107198.D	15 Oct 2024 22:41	YP/AJ	Ok
20	AR1248ICC250	PO107199.D	15 Oct 2024 22:59	YP/AJ	Ok
21	AR1248ICC050	PO107200.D	15 Oct 2024 23:17	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM		
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM		
SubDirectory	PO101524	HP Acquire Method		HP Processing Method	PO101524

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC1000	PO107201.D	15 Oct 2024 23:35	YP/AJ	Ok
23	AR1254ICC750	PO107202.D	15 Oct 2024 23:53	YP/AJ	Ok
24	AR1254ICC500	PO107203.D	16 Oct 2024 00:11	YP/AJ	Ok
25	AR1254ICC250	PO107204.D	16 Oct 2024 00:29	YP/AJ	Ok
26	AR1254ICC050	PO107205.D	16 Oct 2024 00:47	YP/AJ	Ok
27	AR1262ICC500	PO107206.D	16 Oct 2024 01:05	YP/AJ	Ok
28	AR1268ICC1000	PO107207.D	16 Oct 2024 01:23	YP/AJ	Ok
29	AR1268ICC750	PO107208.D	16 Oct 2024 01:41	YP/AJ	Ok
30	AR1268ICC500	PO107209.D	16 Oct 2024 01:59	YP/AJ	Ok
31	AR1268ICC250	PO107210.D	16 Oct 2024 02:18	YP/AJ	Ok
32	AR1268ICC050	PO107211.D	16 Oct 2024 02:36	YP/AJ	Ok,M
33	PO101524ICV500	PO107212.D	16 Oct 2024 02:54	YP/AJ	Ok
34	AR1242ICV500	PO107213.D	16 Oct 2024 03:12	YP/AJ	Ok
35	AR1248ICV500	PO107214.D	16 Oct 2024 03:30	YP/AJ	Ok
36	AR1254ICV500	PO107215.D	16 Oct 2024 03:48	YP/AJ	Ok
37	AR1268ICV500	PO107216.D	16 Oct 2024 04:06	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102124

Review By	yogesh	Review On	10/22/2024 3:09:05 PM		
Supervise By	Ankita	Supervise On	10/22/2024 3:11:43 PM		
SubDirectory	PO102124	HP Acquire Method		HP Processing Method	PP101524

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO107292.D	21 Oct 2024 10:32	YP/AJ	Ok
2	AR1660CCC500	PO107293.D	21 Oct 2024 11:58	YP/AJ	Ok,M
3	AR1242CCC500	PO107294.D	21 Oct 2024 12:43	YP/AJ	Ok
4	AR1248CCC500	PO107295.D	21 Oct 2024 13:01	YP/AJ	Ok,M
5	AR1254CCC500	PO107296.D	21 Oct 2024 13:55	YP/AJ	Ok,M
6	I.BLK	PO107297.D	21 Oct 2024 14:13	YP/AJ	Ok,M
7	PP23906	PO107298.D	21 Oct 2024 14:31	YP/AJ	Ok,M
8	PB164287BL	PO107299.D	21 Oct 2024 14:49	YP/AJ	Ok
9	PB164287BS	PO107300.D	21 Oct 2024 15:07	YP/AJ	Ok,M
10	P4443-01	PO107301.D	21 Oct 2024 15:26	YP/AJ	Ok,M
11	P4443-06	PO107302.D	21 Oct 2024 15:44	YP/AJ	Ok,M
12	P4452-01	PO107303.D	21 Oct 2024 16:02	YP/AJ	Ok,M
13	P4455-01	PO107304.D	21 Oct 2024 16:20	YP/AJ	Ok,M
14	P4455-01MS	PO107305.D	21 Oct 2024 16:38	YP/AJ	Ok,M
15	P4455-01MSD	PO107306.D	21 Oct 2024 16:56	YP/AJ	Ok,M
16	P4456-01	PO107307.D	21 Oct 2024 17:14	YP/AJ	Ok,M
17	AR1660CCC500	PO107308.D	21 Oct 2024 18:15	YP/AJ	Ok,M
18	AR1242CCC500	PO107309.D	21 Oct 2024 18:33	YP/AJ	Ok,M
19	AR1248CCC500	PO107310.D	21 Oct 2024 18:51	YP/AJ	Ok
20	AR1254CCC500	PO107311.D	21 Oct 2024 19:09	YP/AJ	Ok
21	I.BLK	PO107312.D	21 Oct 2024 19:28	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102124

Review By	yogesh	Review On	10/22/2024 3:09:05 PM		
Supervise By	Ankita	Supervise On	10/22/2024 3:11:43 PM		
SubDirectory	PO102124	HP Acquire Method		HP Processing Method	PP101524

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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4454-03	PO107313.D	21 Oct 2024 19:46	YP/AJ	Ok,M
23	P4458-01	PO107314.D	21 Oct 2024 20:04	YP/AJ	Ok,M
24	P4460-02	PO107315.D	21 Oct 2024 20:22	YP/AJ	Ok,M
25	P4460-03	PO107316.D	21 Oct 2024 20:40	YP/AJ	Ok
26	PB164303BL	PO107317.D	21 Oct 2024 20:58	YP/AJ	Ok
27	PB164303BS	PO107318.D	21 Oct 2024 21:16	YP/AJ	Ok,M
28	P4459-01	PO107319.D	21 Oct 2024 21:35	YP/AJ	Ok
29	P4469-01	PO107320.D	21 Oct 2024 21:53	YP/AJ	Ok
30	P4469-02	PO107321.D	21 Oct 2024 22:11	YP/AJ	Ok
31	P4469-03	PO107322.D	21 Oct 2024 22:29	YP/AJ	Ok
32	AR1660CCC500	PO107323.D	21 Oct 2024 23:30	YP/AJ	Ok,M
33	AR1242CCC500	PO107324.D	21 Oct 2024 23:48	YP/AJ	Ok
34	AR1248CCC500	PO107325.D	22 Oct 2024 00:06	YP/AJ	Ok,M
35	AR1254CCC500	PO107326.D	22 Oct 2024 00:24	YP/AJ	Ok,M
36	I.BLK	PO107327.D	22 Oct 2024 00:42	YP/AJ	Ok
37	P4469-04	PO107328.D	22 Oct 2024 01:00	YP/AJ	Ok,M
38	AR1660CCC500	PO107329.D	22 Oct 2024 02:01	YP/AJ	Ok,M
39	AR1242CCC500	PO107330.D	22 Oct 2024 02:19	YP/AJ	Ok
40	AR1248CCC500	PO107331.D	22 Oct 2024 02:37	YP/AJ	Ok
41	AR1254CCC500	PO107332.D	22 Oct 2024 02:55	YP/AJ	Ok,M
42	I.BLK	PO107333.D	22 Oct 2024 03:13	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM		
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM		
SubDirectory	PP100824	HP Acquire Method		HP Processing Method	PP100824

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP067585.D	08 Oct 2024 15:58	YP\AJ	Ok
2	I.BLK	PP067586.D	08 Oct 2024 16:14	YP\AJ	Ok
3	AR1660ICC1000	PP067587.D	08 Oct 2024 16:30	YP\AJ	Ok
4	AR1660ICC750	PP067588.D	08 Oct 2024 16:46	YP\AJ	Ok
5	AR1660ICC500	PP067589.D	08 Oct 2024 17:02	YP\AJ	Ok
6	AR1660ICC250	PP067590.D	08 Oct 2024 17:19	YP\AJ	Ok,M
7	AR1660ICC050	PP067591.D	08 Oct 2024 17:35	YP\AJ	Ok,M
8	AR1221ICC500	PP067592.D	08 Oct 2024 17:51	YP\AJ	Ok
9	AR1232ICC500	PP067593.D	08 Oct 2024 18:07	YP\AJ	Ok
10	AR1242ICC1000	PP067594.D	08 Oct 2024 18:23	YP\AJ	Ok
11	AR1242ICC750	PP067595.D	08 Oct 2024 18:39	YP\AJ	Ok
12	AR1242ICC500	PP067596.D	08 Oct 2024 18:55	YP\AJ	Ok,M
13	AR1242ICC250	PP067597.D	08 Oct 2024 19:12	YP\AJ	Ok
14	AR1242ICC050	PP067598.D	08 Oct 2024 19:28	YP\AJ	Ok,M
15	AR1248ICC1000	PP067599.D	08 Oct 2024 19:44	YP\AJ	Ok
16	AR1248ICC750	PP067600.D	08 Oct 2024 20:00	YP\AJ	Ok
17	AR1248ICC500	PP067601.D	08 Oct 2024 20:16	YP\AJ	Ok
18	AR1248ICC250	PP067602.D	08 Oct 2024 20:32	YP\AJ	Ok
19	AR1248ICC050	PP067603.D	08 Oct 2024 20:49	YP\AJ	Ok
20	AR1254ICC1000	PP067604.D	08 Oct 2024 21:05	YP\AJ	Ok
21	AR1254ICC750	PP067605.D	08 Oct 2024 21:21	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM		
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM		
SubDirectory	PP100824	HP Acquire Method		HP Processing Method	PP100824

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP067606.D	08 Oct 2024 21:37	YP\AJ	Ok,M
23	AR1254ICC250	PP067607.D	08 Oct 2024 21:53	YP\AJ	Ok
24	AR1254ICC050	PP067608.D	08 Oct 2024 22:09	YP\AJ	Ok,M
25	AR1262ICC500	PP067609.D	08 Oct 2024 22:25	YP\AJ	Ok,M
26	AR1268ICC1000	PP067610.D	08 Oct 2024 22:42	YP\AJ	Ok,M
27	AR1268ICC750	PP067611.D	08 Oct 2024 22:58	YP\AJ	Ok,M
28	AR1268ICC500	PP067612.D	08 Oct 2024 23:14	YP\AJ	Ok,M
29	AR1268ICC250	PP067613.D	08 Oct 2024 23:30	YP\AJ	Ok,M
30	AR1268ICC050	PP067614.D	08 Oct 2024 23:46	YP\AJ	Ok,M
31	PP100824ICV500	PP067615.D	09 Oct 2024 00:02	YP\AJ	Ok
32	AR1242ICV500	PP067616.D	09 Oct 2024 00:18	YP\AJ	Ok,M
33	AR1248ICV500	PP067617.D	09 Oct 2024 00:34	YP\AJ	Ok
34	AR1254ICV500	PP067618.D	09 Oct 2024 00:51	YP\AJ	Ok,M
35	AR1268ICV500	PP067619.D	09 Oct 2024 01:07	YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102324

Review By	yogesh	Review On	10/24/2024 8:29:24 AM		
Supervise By	Ankita	Supervise On	10/24/2024 9:24:26 AM		
SubDirectory	PP102324	HP Acquire Method		HP Processing Method	pp100824

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP068150.D	23 Oct 2024 09:14	YP\AJ	Ok
2	AR1660CCC500	PP068151.D	23 Oct 2024 09:30	YP\AJ	Ok
3	AR1242CCC500	PP068152.D	23 Oct 2024 09:46	YP\AJ	Ok
4	AR1248CCC500	PP068153.D	23 Oct 2024 10:02	YP\AJ	Ok
5	AR1254CCC500	PP068154.D	23 Oct 2024 10:18	YP\AJ	Ok,M
6	I.BLK	PP068155.D	23 Oct 2024 10:34	YP\AJ	Ok
7	P4471-02	PP068156.D	23 Oct 2024 12:11	YP\AJ	Ok
8	PB164343BL	PP068157.D	23 Oct 2024 13:21	YP\AJ	Ok
9	PB164343BS	PP068158.D	23 Oct 2024 13:37	YP\AJ	Ok,M
10	P4485-01	PP068159.D	23 Oct 2024 13:54	YP\AJ	Ok
11	P4486-01	PP068160.D	23 Oct 2024 14:10	YP\AJ	Ok
12	P4486-01MS	PP068161.D	23 Oct 2024 14:26	YP\AJ	Ok,M
13	P4486-01MSD	PP068162.D	23 Oct 2024 14:42	YP\AJ	Ok,M
14	P4487-01	PP068163.D	23 Oct 2024 14:58	YP\AJ	Ok
15	P4487-05	PP068164.D	23 Oct 2024 15:14	YP\AJ	Ok
16	P4488-02	PP068165.D	23 Oct 2024 15:30	YP\AJ	Ok,M
17	AR1660CCC500	PP068166.D	23 Oct 2024 15:57	YP\AJ	Ok
18	AR1242CCC500	PP068167.D	23 Oct 2024 16:13	YP\AJ	Ok
19	AR1248CCC500	PP068168.D	23 Oct 2024 16:29	YP\AJ	Ok
20	AR1254CCC500	PP068169.D	23 Oct 2024 16:45	YP\AJ	Ok,M
21	I.BLK	PP068170.D	23 Oct 2024 17:01	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102324

Review By	yogesh	Review On	10/24/2024 8:29:24 AM		
Supervise By	Ankita	Supervise On	10/24/2024 9:24:26 AM		
SubDirectory	PP102324	HP Acquire Method		HP Processing Method	pp100824

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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4488-01	PP068171.D	23 Oct 2024 17:17	YP\AJ	Ok,M
23	P4488-09	PP068172.D	23 Oct 2024 17:33	YP\AJ	Ok
24	P4488-10	PP068173.D	23 Oct 2024 17:50	YP\AJ	Ok
25	P4489-01	PP068174.D	23 Oct 2024 18:06	YP\AJ	Ok,M
26	PB164342BL	PP068175.D	23 Oct 2024 18:22	YP\AJ	Ok
27	PB164342BS	PP068176.D	23 Oct 2024 18:38	YP\AJ	Ok,M
28	PB164342BSD	PP068177.D	23 Oct 2024 18:54	YP\AJ	Ok,M
29	P4485-03	PP068178.D	23 Oct 2024 19:10	YP\AJ	ReRun
30	P4460-06	PP068179.D	23 Oct 2024 19:26	YP\AJ	Ok
31	AR1660CCC500	PP068180.D	23 Oct 2024 20:04	YP\AJ	Ok
32	AR1242CCC500	PP068181.D	23 Oct 2024 20:20	YP\AJ	Ok
33	AR1248CCC500	PP068182.D	23 Oct 2024 20:36	YP\AJ	Ok
34	AR1254CCC500	PP068183.D	23 Oct 2024 20:52	YP\AJ	Ok,M
35	I.BLK	PP068184.D	23 Oct 2024 21:08	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM		
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM		
SubDirectory	PO101524	HP Acquire Method		HP Processing Method	PO101524

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO107180.D	15 Oct 2024 13:05		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO107181.D	15 Oct 2024 13:23	need ICAL	YP/AJ	Not Ok
3	HEXANE	HEXANE	PO107182.D	15 Oct 2024 17:50		YP/AJ	Ok
4	I.BLK	I.BLK	PO107183.D	15 Oct 2024 18:08		YP/AJ	Ok
5	AR1660ICC1000	AR1660ICC1000	PO107184.D	15 Oct 2024 18:27		YP/AJ	Ok
6	AR1660ICC750	AR1660ICC750	PO107185.D	15 Oct 2024 18:45		YP/AJ	Ok
7	AR1660ICC500	AR1660ICC500	PO107186.D	15 Oct 2024 19:03		YP/AJ	Ok
8	AR1660ICC250	AR1660ICC250	PO107187.D	15 Oct 2024 19:21		YP/AJ	Ok
9	AR1660ICC050	AR1660ICC050	PO107188.D	15 Oct 2024 19:39		YP/AJ	Ok,M
10	AR1221ICC500	AR1221ICC500	PO107189.D	15 Oct 2024 19:57		YP/AJ	Ok
11	AR1232ICC500	AR1232ICC500	PO107190.D	15 Oct 2024 20:15		YP/AJ	Ok
12	AR1242ICC1000	AR1242ICC1000	PO107191.D	15 Oct 2024 20:34		YP/AJ	Ok
13	AR1242ICC750	AR1242ICC750	PO107192.D	15 Oct 2024 20:52		YP/AJ	Ok
14	AR1242ICC500	AR1242ICC500	PO107193.D	15 Oct 2024 21:10		YP/AJ	Ok
15	AR1242ICC250	AR1242ICC250	PO107194.D	15 Oct 2024 21:28		YP/AJ	Ok
16	AR1242ICC050	AR1242ICC050	PO107195.D	15 Oct 2024 21:46		YP/AJ	Ok
17	AR1248ICC1000	AR1248ICC1000	PO107196.D	15 Oct 2024 22:04		YP/AJ	Ok
18	AR1248ICC750	AR1248ICC750	PO107197.D	15 Oct 2024 22:22		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM		
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM		
SubDirectory	PO101524	HP Acquire Method		HP Processing Method	PO101524

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC500	AR1248ICC500	PO107198.D	15 Oct 2024 22:41		YP/AJ	Ok
20	AR1248ICC250	AR1248ICC250	PO107199.D	15 Oct 2024 22:59		YP/AJ	Ok
21	AR1248ICC050	AR1248ICC050	PO107200.D	15 Oct 2024 23:17		YP/AJ	Ok
22	AR1254ICC1000	AR1254ICC1000	PO107201.D	15 Oct 2024 23:35		YP/AJ	Ok
23	AR1254ICC750	AR1254ICC750	PO107202.D	15 Oct 2024 23:53		YP/AJ	Ok
24	AR1254ICC500	AR1254ICC500	PO107203.D	16 Oct 2024 00:11		YP/AJ	Ok
25	AR1254ICC250	AR1254ICC250	PO107204.D	16 Oct 2024 00:29		YP/AJ	Ok
26	AR1254ICC050	AR1254ICC050	PO107205.D	16 Oct 2024 00:47		YP/AJ	Ok
27	AR1262ICC500	AR1262ICC500	PO107206.D	16 Oct 2024 01:05		YP/AJ	Ok
28	AR1268ICC1000	AR1268ICC1000	PO107207.D	16 Oct 2024 01:23		YP/AJ	Ok
29	AR1268ICC750	AR1268ICC750	PO107208.D	16 Oct 2024 01:41		YP/AJ	Ok
30	AR1268ICC500	AR1268ICC500	PO107209.D	16 Oct 2024 01:59		YP/AJ	Ok
31	AR1268ICC250	AR1268ICC250	PO107210.D	16 Oct 2024 02:18		YP/AJ	Ok
32	AR1268ICC050	AR1268ICC050	PO107211.D	16 Oct 2024 02:36		YP/AJ	Ok,M
33	PO101524ICV500	ICVPO101524	PO107212.D	16 Oct 2024 02:54		YP/AJ	Ok
34	AR1242ICV500	ICVPO101524AR1242	PO107213.D	16 Oct 2024 03:12		YP/AJ	Ok
35	AR1248ICV500	ICVPO101524AR1248	PO107214.D	16 Oct 2024 03:30		YP/AJ	Ok
36	AR1254ICV500	ICVPO101524AR1254	PO107215.D	16 Oct 2024 03:48		YP/AJ	Ok
37	AR1268ICV500	ICVPO101524AR1268	PO107216.D	16 Oct 2024 04:06		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM		
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM		
SubDirectory	PO101524	HP Acquire Method		HP Processing Method	PO101524

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102124

Review By	yogesh	Review On	10/22/2024 3:09:05 PM		
Supervise By	Ankita	Supervise On	10/22/2024 3:11:43 PM		
SubDirectory	PO102124	HP Acquire Method		HP Processing Method	PP101524

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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO107292.D	21 Oct 2024 10:32		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO107293.D	21 Oct 2024 11:58		YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO107294.D	21 Oct 2024 12:43		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO107295.D	21 Oct 2024 13:01		YP/AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PO107296.D	21 Oct 2024 13:55		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO107297.D	21 Oct 2024 14:13		YP/AJ	Ok,M
7	PP23906	PP23906	PO107298.D	21 Oct 2024 14:31		YP/AJ	Ok,M
8	PB164287BL	PB164287BL	PO107299.D	21 Oct 2024 14:49		YP/AJ	Ok
9	PB164287BS	PB164287BS	PO107300.D	21 Oct 2024 15:07		YP/AJ	Ok,M
10	P4443-01	OG-315-HR-502-COMP	PO107301.D	21 Oct 2024 15:26		YP/AJ	Ok,M
11	P4443-06	OG-315-HR-502-COMP	PO107302.D	21 Oct 2024 15:44		YP/AJ	Ok,M
12	P4452-01	ETGI-285	PO107303.D	21 Oct 2024 16:02		YP/AJ	Ok,M
13	P4455-01	SU-4-101824	PO107304.D	21 Oct 2024 16:20		YP/AJ	Ok,M
14	P4455-01MS	SU-4-101824MS	PO107305.D	21 Oct 2024 16:38		YP/AJ	Ok,M
15	P4455-01MSD	SU-4-101824MSD	PO107306.D	21 Oct 2024 16:56		YP/AJ	Ok,M
16	P4456-01	PAD-10182024	PO107307.D	21 Oct 2024 17:14		YP/AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PO107308.D	21 Oct 2024 18:15		YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO107309.D	21 Oct 2024 18:33		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102124

Review By	yogesh	Review On	10/22/2024 3:09:05 PM		
Supervise By	Ankita	Supervise On	10/22/2024 3:11:43 PM		
SubDirectory	PO102124	HP Acquire Method		HP Processing Method	PP101524

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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PO107310.D	21 Oct 2024 18:51		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO107311.D	21 Oct 2024 19:09		YP/AJ	Ok
21	I.BLK	I.BLK	PO107312.D	21 Oct 2024 19:28	DCB high in 1st column	YP/AJ	Ok
22	P4454-03	34542-43	PO107313.D	21 Oct 2024 19:46		YP/AJ	Ok,M
23	P4458-01	280517	PO107314.D	21 Oct 2024 20:04		YP/AJ	Ok,M
24	P4460-02	WB-303-TOP	PO107315.D	21 Oct 2024 20:22		YP/AJ	Ok,M
25	P4460-03	WB-303-BOT	PO107316.D	21 Oct 2024 20:40		YP/AJ	Ok
26	PB164303BL	PB164303BL	PO107317.D	21 Oct 2024 20:58		YP/AJ	Ok
27	PB164303BS	PB164303BS	PO107318.D	21 Oct 2024 21:16		YP/AJ	Ok,M
28	P4459-01	60379	PO107319.D	21 Oct 2024 21:35	AR1242 Hit	YP/AJ	Ok
29	P4469-01	16-PIPE	PO107320.D	21 Oct 2024 21:53		YP/AJ	Ok
30	P4469-02	21-PIPE	PO107321.D	21 Oct 2024 22:11		YP/AJ	Ok
31	P4469-03	32-PIPE	PO107322.D	21 Oct 2024 22:29		YP/AJ	Ok
32	AR1660CCC500	AR1660CCC500	PO107323.D	21 Oct 2024 23:30		YP/AJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PO107324.D	21 Oct 2024 23:48		YP/AJ	Ok
34	AR1248CCC500	AR1248CCC500	PO107325.D	22 Oct 2024 00:06		YP/AJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PO107326.D	22 Oct 2024 00:24		YP/AJ	Ok,M
36	I.BLK	I.BLK	PO107327.D	22 Oct 2024 00:42		YP/AJ	Ok
37	P4469-04	34-PIPE	PO107328.D	22 Oct 2024 01:00		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO102124

Review By	yogesh	Review On	10/22/2024 3:09:05 PM		
Supervise By	Ankita	Supervise On	10/22/2024 3:11:43 PM		
SubDirectory	PO102124	HP Acquire Method		HP Processing Method	PP101524

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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	AR1660CCC500	AR1660CCC500	PO107329.D	22 Oct 2024 02:01		YP/AJ	Ok,M
39	AR1242CCC500	AR1242CCC500	PO107330.D	22 Oct 2024 02:19		YP/AJ	Ok
40	AR1248CCC500	AR1248CCC500	PO107331.D	22 Oct 2024 02:37		YP/AJ	Ok
41	AR1254CCC500	AR1254CCC500	PO107332.D	22 Oct 2024 02:55		YP/AJ	Ok,M
42	I.BLK	I.BLK	PO107333.D	22 Oct 2024 03:13		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM		
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM		
SubDirectory	PP100824	HP Acquire Method		HP Processing Method	PP100824

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP067585.D	08 Oct 2024 15:58		YP\AJ	Ok
2	I.BLK	I.BLK	PP067586.D	08 Oct 2024 16:14		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP067587.D	08 Oct 2024 16:30		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP067588.D	08 Oct 2024 16:46		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP067589.D	08 Oct 2024 17:02		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP067590.D	08 Oct 2024 17:19		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP067591.D	08 Oct 2024 17:35		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP067592.D	08 Oct 2024 17:51		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP067593.D	08 Oct 2024 18:07		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP067594.D	08 Oct 2024 18:23		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP067595.D	08 Oct 2024 18:39		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP067596.D	08 Oct 2024 18:55		YP\AJ	Ok,M
13	AR1242ICC250	AR1242ICC250	PP067597.D	08 Oct 2024 19:12		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP067598.D	08 Oct 2024 19:28		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP067599.D	08 Oct 2024 19:44		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP067600.D	08 Oct 2024 20:00		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP067601.D	08 Oct 2024 20:16		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP067602.D	08 Oct 2024 20:32		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP100824

Review By	yogesh	Review On	10/9/2024 8:24:57 AM		
Supervise By	Ankita	Supervise On	10/9/2024 9:49:08 AM		
SubDirectory	PP100824	HP Acquire Method		HP Processing Method	PP100824

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,PP23792
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PP067603.D	08 Oct 2024 20:49		YP\AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP067604.D	08 Oct 2024 21:05		YP\AJ	Ok
21	AR1254ICC750	AR1254ICC750	PP067605.D	08 Oct 2024 21:21		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP067606.D	08 Oct 2024 21:37		YP\AJ	Ok,M
23	AR1254ICC250	AR1254ICC250	PP067607.D	08 Oct 2024 21:53		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PP067608.D	08 Oct 2024 22:09		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP067609.D	08 Oct 2024 22:25		YP\AJ	Ok,M
26	AR1268ICC1000	AR1268ICC1000	PP067610.D	08 Oct 2024 22:42		YP\AJ	Ok,M
27	AR1268ICC750	AR1268ICC750	PP067611.D	08 Oct 2024 22:58		YP\AJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP067612.D	08 Oct 2024 23:14		YP\AJ	Ok,M
29	AR1268ICC250	AR1268ICC250	PP067613.D	08 Oct 2024 23:30		YP\AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP067614.D	08 Oct 2024 23:46		YP\AJ	Ok,M
31	PP100824ICV500	ICVPP100824	PP067615.D	09 Oct 2024 00:02		YP\AJ	Ok
32	AR1242ICV500	ICVPP100824	PP067616.D	09 Oct 2024 00:18		YP\AJ	Ok,M
33	AR1248ICV500	ICVPP100824	PP067617.D	09 Oct 2024 00:34		YP\AJ	Ok
34	AR1254ICV500	ICVPP100824	PP067618.D	09 Oct 2024 00:51		YP\AJ	Ok,M
35	AR1268ICV500	ICVPP100824	PP067619.D	09 Oct 2024 01:07		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102324

Review By	yogesh	Review On	10/24/2024 8:29:24 AM		
Supervise By	Ankita	Supervise On	10/24/2024 9:24:26 AM		
SubDirectory	PP102324	HP Acquire Method		HP Processing Method	pp100824

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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP068150.D	23 Oct 2024 09:14		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP068151.D	23 Oct 2024 09:30		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP068152.D	23 Oct 2024 09:46		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP068153.D	23 Oct 2024 10:02		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP068154.D	23 Oct 2024 10:18		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP068155.D	23 Oct 2024 10:34		YP\AJ	Ok
7	P4471-02	B-180-SB02	PP068156.D	23 Oct 2024 12:11		YP\AJ	Ok
8	PB164343BL	PB164343BL	PP068157.D	23 Oct 2024 13:21		YP\AJ	Ok
9	PB164343BS	PB164343BS	PP068158.D	23 Oct 2024 13:37		YP\AJ	Ok,M
10	P4485-01	D20241001-01-04	PP068159.D	23 Oct 2024 13:54		YP\AJ	Ok
11	P4486-01	EO-03-102224	PP068160.D	23 Oct 2024 14:10		YP\AJ	Ok
12	P4486-01MS	EO-03-102224MS	PP068161.D	23 Oct 2024 14:26		YP\AJ	Ok,M
13	P4486-01MSD	EO-03-102224MSD	PP068162.D	23 Oct 2024 14:42		YP\AJ	Ok,M
14	P4487-01	BP-B5	PP068163.D	23 Oct 2024 14:58		YP\AJ	Ok
15	P4487-05	BP-F27	PP068164.D	23 Oct 2024 15:14		YP\AJ	Ok
16	P4488-02	1017-B	PP068165.D	23 Oct 2024 15:30		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP068166.D	23 Oct 2024 15:57		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP068167.D	23 Oct 2024 16:13		YP\AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP102324

Review By	yogesh	Review On	10/24/2024 8:29:24 AM		
Supervise By	Ankita	Supervise On	10/24/2024 9:24:26 AM		
SubDirectory	PP102324	HP Acquire Method		HP Processing Method	pp100824

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
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PP068168.D	23 Oct 2024 16:29		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PP068169.D	23 Oct 2024 16:45		YP\AJ	Ok,M
21	I.BLK	I.BLK	PP068170.D	23 Oct 2024 17:01		YP\AJ	Ok
22	P4488-01	OIL-1	PP068171.D	23 Oct 2024 17:17	DCB high in 1st column.	YP\AJ	Ok,M
23	P4488-09	HCC-1	PP068172.D	23 Oct 2024 17:33		YP\AJ	Ok
24	P4488-10	HCC-2	PP068173.D	23 Oct 2024 17:50		YP\AJ	Ok
25	P4489-01	RT-2675	PP068174.D	23 Oct 2024 18:06	AR1254 Hit	YP\AJ	Ok,M
26	PB164342BL	PB164342BL	PP068175.D	23 Oct 2024 18:22		YP\AJ	Ok
27	PB164342BS	PB164342BS	PP068176.D	23 Oct 2024 18:38		YP\AJ	Ok,M
28	PB164342BSD	PB164342BSD	PP068177.D	23 Oct 2024 18:54		YP\AJ	Ok,M
29	P4485-03	D20241001-02-03	PP068178.D	23 Oct 2024 19:10	DCB low in both column	YP\AJ	ReRun
30	P4460-06	WB-303-SW	PP068179.D	23 Oct 2024 19:26		YP\AJ	Ok
31	AR1660CCC500	AR1660CCC500	PP068180.D	23 Oct 2024 20:04		YP\AJ	Ok
32	AR1242CCC500	AR1242CCC500	PP068181.D	23 Oct 2024 20:20		YP\AJ	Ok
33	AR1248CCC500	AR1248CCC500	PP068182.D	23 Oct 2024 20:36		YP\AJ	Ok
34	AR1254CCC500	AR1254CCC500	PP068183.D	23 Oct 2024 20:52		YP\AJ	Ok,M
35	I.BLK	I.BLK	PP068184.D	23 Oct 2024 21:08		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164287

10

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

Extraction By: RJ

Balance check: RJ

Filter By: RJ

Balance ID: EX-SC-2

pH Meter ID: N/A

pH Strip Lot#: N/A

Hood ID: 3,7

Extraction Start Date : 10/21/2024

Extraction Start Time : 10:10

Extraction End Date : 10/21/2024

Extraction End Time : 13:10

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	PP23640
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	EP2539
Baked Na2SO4	N/A	EP2551
Sand	N/A	E2865
Hexane	N/A	E3819
H2SO4 1:1	N/A	EP2548
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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 Vial lot# 03-40 BTS721.

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
10/21/24	RP (Ext. Lab)	R. Pest/PCB Lab
13:05	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164287

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 10/21/2024

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164287BL	ABLK287	PCB	30.01	N/A	ritesh	Evelyn	10			U5-1
PB164287BS	ALCS287	PCB	30.03	N/A	ritesh	Evelyn	10			2
P4443-01	OG-315-HR-502-COMP-29	PCB	30.07	N/A	ritesh	Evelyn	10	A		3
P4443-06	OG-315-HR-502-COMP-30	PCB	30.09	N/A	ritesh	Evelyn	10	A		4
P4452-01	ETGI-285	PCB	30.05	N/A	ritesh	Evelyn	10	B	Concrete	5
P4454-03	34542-43	PCB	30.03	N/A	ritesh	Evelyn	10	B		6
P4455-01	SU-4-101824	PCB	30.08	N/A	ritesh	Evelyn	10	E		U1-1
P4455-01MS	SU-4-101824MS	PCB	30.05	N/A	ritesh	Evelyn	10	E		2
P4455-01MSD	SU-4-101824MSD	PCB	30.01	N/A	ritesh	Evelyn	10	E		3
P4456-01	PAD-10182024	PCB	30.06	N/A	ritesh	Evelyn	10	B	Concrete	4
P4458-01	280517	PCB	30.09	N/A	ritesh	Evelyn	10	H		5
P4460-02	WB-303-TOP	PCB	30.02	N/A	ritesh	Evelyn	10	E		6
P4460-03	WB-303-BOT	PCB	30.04	N/A	ritesh	Evelyn	10	E		U6-1

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

10.12.24

P4460 10/21/24 10:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4443 **WorkList ID :** 184622 **Department :** Extraction **Date :** 10-21-2024 08:34:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4443-01	OG-315-HR-502-COMP-29	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/17/2024	8082A
P4443-06	OG-315-HR-502-COMP-30	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/17/2024	8082A
P4452-01	ETGI-285	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/18/2024	8082A
P4454-03	34542-43	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/18/2024	8082A
P4455-01	SU-4-101824	Solid	PCB	Cool 4 deg C	PSEG05	K41	10/18/2024	8082A
P4456-01	PAD-10182024	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/18/2024	8082A
P4458-01	280517	Solid	PCB	Cool 4 deg C	PSEG03	K51	10/18/2024	8082A
P4460-02	WB-303-TOP	Solid	PCB	Cool 4 deg C	PORT06	K51	10/18/2024	8082A
P4460-03	WB-303-BOT	Solid	PCB	Cool 4 deg C	PORT06	K51	10/18/2024	8082A

842 of 1693

Date/Time 10/21/24 10:05
Raw Sample Received by: RJ (Ser 2453)
Raw Sample Relinquished by:

Date/Time 10/21/24 10:40
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Ser 1643)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164342

10

SOP ID: M3510C,3580A-Extraction PCB-14

Clean Up SOP #: Acid Cleanup

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 10/23/2024

Extraction Start Time : 08:53

Extraction End Date : 10/23/2024

Extraction End Time : 13:45

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
Surrogate	1.0ML	200 PPB	PP23858
Spike Sol 1	1.0ML	5000 PPB	PP23640
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3817
Baked Na2SO4	N/A	EP2546
Hexane	N/A	E3819
H2SO4 1:1	N/A	EP2524
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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. P4460-06 Limited volume recd.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/24	RP (Ext lab)	[signature]
13:50	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164342

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 10/23/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164342BL	ABLK342	PCB	1000	6	RUPESH	rajesh	10			SEP-01
PB164342BS	ALCS342	PCB	1000	6	RUPESH	rajesh	10			2
PB164342BSD	ALCSD342	PCB	1000	6	RUPESH	rajesh	10			3
P4460-06	WB-303-SW	PCB	490	6	RUPESH	rajesh	5	F		4
P4485-03	D20241001-02-03	PCB	930	6	RUPESH	rajesh	10	C		5

10/23/24

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4488 **WorkList ID :** 184686 **Department :** Extraction **Date :** 10-23-2024 08:42:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4460-06	WB-303-SW	Water	PCB	Cool 4 deg C	PORT06	K51	10/18/2024	8082A
P4485-03	D20241001-02-03	Water	PCB	Cool 4 deg C	PSEG03	K62	10/22/2024	8082A

845 of 1693

Date/Time 10/23/24 8:45

Raw Sample Received by: RJ (Ext Lab)

Raw Sample Relinquished by:

Date/Time 10/23/24 9:15

Raw Sample Received by:

Raw Sample Relinquished by: RJ (Ext Lab)

P4460

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

LAB CHRONICLE

OrderID:	P4460	**OrderDate:**	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	**WB-303-TOP**	**SOIL**			**10/18/24**			**10/18/24**
			PCB	8082A		10/21/24	10/21/24	
P4460-03	**WB-303-BOT**	**SOIL**			**10/18/24**			**10/18/24**
			PCB	8082A		10/21/24	10/21/24	
P4460-06	**WB-303-SW**	**WATER**			**10/18/24**			**10/18/24**
			PCB	8082A		10/23/24	10/23/24	

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Hit Summary Sheet
SW-846

SDG No.: P4460 **Order ID:** P4460

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-04	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028052.D	1	10/24/24 11:28	10/25/24 16:49	PB164378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	454		70 (39) - 130 (175)	91%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/24/24
Client Sample ID:	PB164261TB	SDG No.:	P4460
Lab Sample ID:	PB164261TB	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028073.D	1	10/24/24 11:28	10/28/24 13:11	PB164378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90	U	4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	4.50	U	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	349		70 (39) - 130 (175)	70%	SPK: 500

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.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS028007.D	PIBLK-PS028007.D	2,4-DCAA	1	500	489	98		70 (39)	130 (175)
		2,4-DCAA	2	500	461	92		70 (39)	130 (175)
I.BLK-PS028035.D	PIBLK-PS028035.D	2,4-DCAA	1	500	508	102		70 (39)	130 (175)
		2,4-DCAA	2	500	489	98		70 (39)	130 (175)
PB164378BL	PB164378BL	2,4-DCAA	1	500	510	102		70 (39)	130 (175)
		2,4-DCAA	2	500	516	103		70 (39)	130 (175)
PB164378BS	PB164378BS	2,4-DCAA	1	500	506	101		70 (39)	130 (175)
		2,4-DCAA	2	500	542	108		70 (39)	130 (175)
P4397-06MS	WB-301-BOTMS	2,4-DCAA	1	500	138	28	*	70 (39)	130 (175)
		2,4-DCAA	2	500	114	23	*	70 (39)	130 (175)
P4397-06MSD	WB-301-BOTMSD	2,4-DCAA	1	500	142	28	*	70 (39)	130 (175)
		2,4-DCAA	2	500	111	22	*	70 (39)	130 (175)
I.BLK-PS028046.D	PIBLK-PS028046.D	2,4-DCAA	1	500	506	101		70 (39)	130 (175)
		2,4-DCAA	2	500	479	96		70 (39)	130 (175)
I.BLK-PS028049.D	PIBLK-PS028049.D	2,4-DCAA	1	500	515	103		70 (39)	130 (175)
		2,4-DCAA	2	500	430	86		70 (39)	130 (175)
P4460-04	WB-303-BOT	2,4-DCAA	1	500	454	91		70 (39)	130 (175)
		2,4-DCAA	2	500	401	80		70 (39)	130 (175)
I.BLK-PS028055.D	PIBLK-PS028055.D	2,4-DCAA	1	500	521	104		70 (39)	130 (175)
		2,4-DCAA	2	500	490	98		70 (39)	130 (175)
I.BLK-PS028071.D	PIBLK-PS028071.D	2,4-DCAA	1	500	501	100		70 (39)	130 (175)
		2,4-DCAA	2	500	483	97		70 (39)	130 (175)
PB164261TB	PB164261TB	2,4-DCAA	1	500	349	70		70 (39)	130 (175)
		2,4-DCAA	2	500	285	57	*	70 (39)	130 (175)
I.BLK-PS028075.D	PIBLK-PS028075.D	2,4-DCAA	1	500	508	102		70 (39)	130 (175)
		2,4-DCAA	2	500	418	84		70 (39)	130 (175)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8151A **DataFile :** PS028042.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**WB-301-BOTMS**											
P4397-06MS	2,4-D	50	0	55.2	ug/L	110				70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	106	ug/L	212	*			70 (62)	130 (139)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8151A **DataFile :** PS028043.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:	**WB-301-BOTMSD**											
P4397-06MSD	2,4-D	50	0	56.6	ug/L	113		3		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	113	ug/L	226	*	6		70 (62)	130 (139)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4460

Client: Portal Partners Tri-Venture

Analytical Method: 8151A **Datafile :** PS028038.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164378BS	2,4-D	5	5.00	ug/L	100				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	5.40	ug/L	108				70 (78)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164378BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Lab Sample ID: PB164378BL Lab File ID: PS028037.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 10/24/2024

Date Analyzed (1): 10/24/2024 Date Analyzed (2): 10/24/2024

Time Analyzed (1): 17:09 Time Analyzed (2): 17:09

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLP2 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
PB164378BS	PB164378BS	PS028038.D	10/24/2024	10/24/2024
WB-301-BOTMS	P4397-06MS	PS028042.D	10/24/2024	10/24/2024
WB-301-BOTMSD	P4397-06MSD	PS028043.D	10/24/2024	10/24/2024
WB-303-BOT	P4460-04	PS028052.D	10/25/2024	10/25/2024
PB164261TB	PB164261TB	PS028073.D	10/28/2024	10/28/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164378BL	SDG No.:	P4460
Lab Sample ID:	PB164378BL	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028037.D	1	10/24/24 11:28	10/24/24 17:09	PB164378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	516		70 (39) - 130 (175)	103%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/23/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/23/24
Client Sample ID:	PIBLK-PS028007.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028007.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028007.D	1		10/23/24	PS102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	489		70 (39) - 130 (175)	98%	SPK: 500

Comments:

U = Not Detected
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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:	Portal Partners Tri-Venture	Date Collected:	10/24/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/24/24
Client Sample ID:	PIBLK-PS028035.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028035.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028035.D	1		10/24/24	PS102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	508		70 (39) - 130 (175)	102%	SPK: 500

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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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
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/24/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/24/24
Client Sample ID:	PIBLK-PS028046.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028046.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028046.D	1		10/24/24	PS102424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	506		70 (39) - 130 (175)	101%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	PIBLK-PS028049.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028049.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028049.D	1		10/25/24	PS102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	515		70 (39) - 130 (175)	103%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	PIBLK-PS028055.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028055.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028055.D	1		10/25/24	PS102524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	521		70 (39) - 130 (175)	104%	SPK: 500

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/28/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/28/24
Client Sample ID:	PIBLK-PS028071.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028071.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028071.D	1		10/28/24	PS102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	501		70 (39) - 130 (175)	100%	SPK: 500

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/28/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/28/24
Client Sample ID:	PIBLK-PS028075.D	SDG No.:	P4460
Lab Sample ID:	I.BLK-PS028075.D	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028075.D	1		10/28/24	PS102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.49	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.45	U	0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	508		70 (39) - 130 (175)	102%	SPK: 500

Comments:

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LOD = Limit of Detection
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164378BS	SDG No.:	P4460
Lab Sample ID:	PB164378BS	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028038.D	1	10/24/24 11:28	10/24/24 17:33	PB164378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	5.00		0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.40		0.45	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	542		70 (39) - 130 (175)	108%	SPK: 500

Comments:

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LOD = Limit of Detection
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4397-06MS	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028042.D	1	10/24/24 11:28	10/24/24 19:09	PB164378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	55.2		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	106	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	138	*	70 (39) - 130 (175)	28%	SPK: 500

Comments:

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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMSD	SDG No.:	P4460
Lab Sample ID:	P4397-06MSD	Matrix:	TCLP
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028043.D	1	10/24/24 11:28	10/24/24 19:32	PB164378

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	56.6		4.90	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	113	P	4.50	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	142	*	70 (39) - 130 (175)	28%	SPK: 500

Comments:

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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_S **Calibration Date(s):** 10/23/2024 10/23/2024

Calibration Times: 11:28 13:04

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS028008.D RT 500 = PS028009.D

RT 750 = PS028010.D RT 1000 = PS028011.D RT 1500 = PS028012.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.03	9.03	9.03	9.03	9.03	9.03	8.93	9.13
2,4-D	8.18	8.18	8.18	8.18	8.18	8.18	8.08	8.28
2,4-DCAA	7.09	7.09	7.09	7.09	7.09	7.09	6.99	7.19

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_S **Calibration Date(s):** 10/23/2024 10/23/2024

Calibration Times: 11:28 13:04

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS028008.D RT 500 = PS028009.D

RT 750 = PS028010.D RT 1000 = PS028011.D RT 1500 = PS028012.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.73	9.73	9.73	9.73	9.72	9.73	9.63	9.83
2,4-D	8.84	8.84	8.84	8.84	8.84	8.84	8.74	8.94
2,4-DCAA	7.61	7.62	7.61	7.62	7.61	7.61	7.51	7.71

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_S **Calibration Date(s):** 10/23/2024 10/23/2024

Calibration Times: 11:28 13:04

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS028008.D **CF 500 =** PS028009.D

CF 750 = PS028010.D **CF 1000 =** PS028011.D **CF 1500 =** PS028012.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	19584000000	16293000000	15358800000	15287500000	14230600000	16150800000	13
2,4-D	4140980000	3388880000	3183890000	3192570000	3036110000	3388490000	13
2,4-DCAA	3343560000	2711910000	2549070000	2475610000	2404680000	2696970000	14

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Instrument ID: ECD_S **Calibration Date(s):** 10/23/2024 10/23/2024

Calibration Times: 11:28 13:04

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS028008.D **CF 500 =** PS028009.D

CF 750 = PS028010.D **CF 1000 =** PS028011.D **CF 1500 =** PS028012.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	4575720000	4585960000	4376840000	4595510000	4689140000	4564630000	3
2,4-D	1125240000	990045000	959343000	966564000	944531000	997145000	7
2,4-DCAA	1149150000	929743000	912345000	889645000	862510000	948678000	12

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 11:25 **Initial Calibration Time(s):** 11:28 13:04

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.09	7.09	6.99	7.19	0.00
2,4-D	8.18	8.18	8.08	8.28	0.00
2,4,5-TP(Silvex)	9.03	9.03	8.93	9.13	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 11:25 **Initial Calibration Time(s):** 11:28 13:04

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
2,4-D	8.84	8.84	8.74	8.94	0.00
2,4,5-TP(Silvex)	9.73	9.73	9.63	9.83	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/23/2024 10/23/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/24/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028036.D **Time Analyzed:** 11:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.028	8.929	9.129	684.860	712.500	-3.9
2,4-D	8.176	8.077	8.277	665.580	705.000	-5.6
2,4-DCAA	7.091	6.991	7.191	709.960	750.000	-5.3

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/23/2024 10/23/2024

Client Sample No.: CCAL01 **Date Analyzed:** 10/24/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028036.D **Time Analyzed:** 11:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.725	9.625	9.825	736.810	712.500	3.4
2,4-D	8.835	8.737	8.937	709.890	705.000	0.7
2,4-DCAA	7.613	7.514	7.714	733.180	750.000	-2.2

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 21:08 **Initial Calibration Time(s):** 11:28 13:04

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.09	7.09	6.99	7.19	0.00
2,4-D	8.18	8.18	8.08	8.28	0.00
2,4,5-TP(Silvex)	9.03	9.03	8.93	9.13	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/24/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 21:08 **Initial Calibration Time(s):** 11:28 13:04

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
2,4-D	8.83	8.84	8.74	8.94	0.01
2,4,5-TP(Silvex)	9.72	9.73	9.63	9.83	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/23/2024 10/23/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/24/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028047.D **Time Analyzed:** 21:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.027	8.929	9.129	693.140	712.500	-2.7
2,4-D	8.176	8.077	8.277	681.790	705.000	-3.3
2,4-DCAA	7.090	6.991	7.191	722.190	750.000	-3.7

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/23/2024 10/23/2024

Client Sample No.: CCAL02 **Date Analyzed:** 10/24/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028047.D **Time Analyzed:** 21:08

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.723	9.625	9.825	791.420	712.500	11.1
2,4-D	8.833	8.737	8.937	737.820	705.000	4.7
2,4-DCAA	7.612	7.514	7.714	784.260	750.000	4.6

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 12:32 **Initial Calibration Time(s):** 11:28 13:04

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.09	7.09	6.99	7.19	0.00
2,4-D	8.18	8.18	8.08	8.28	0.00
2,4,5-TP(Silvex)	9.03	9.03	8.93	9.13	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 12:32 **Initial Calibration Time(s):** 11:28 13:04

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
2,4-D	8.84	8.84	8.74	8.94	0.00
2,4,5-TP(Silvex)	9.72	9.73	9.63	9.83	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/23/2024 10/23/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/25/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028050.D **Time Analyzed:** 12:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.029	8.929	9.129	702.550	712.500	-1.4
2,4-D	8.177	8.077	8.277	696.610	705.000	-1.2
2,4-DCAA	7.091	6.991	7.191	734.600	750.000	-2.1

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/23/2024 10/23/2024

Client Sample No.: CCAL03 **Date Analyzed:** 10/25/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028050.D **Time Analyzed:** 12:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.722	9.625	9.825	670.830	712.500	-5.8
2,4-D	8.835	8.737	8.937	632.170	705.000	-10.3
2,4-DCAA	7.610	7.514	7.714	719.220	750.000	-4.1

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 18:28 **Initial Calibration Time(s):** 11:28 13:04

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.09	7.09	6.99	7.19	0.00
2,4-D	8.18	8.18	8.08	8.28	0.00
2,4,5-TP(Silvex)	9.03	9.03	8.93	9.13	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/25/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 18:28 **Initial Calibration Time(s):** 11:28 13:04

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
2,4-D	8.83	8.84	8.74	8.94	0.01
2,4,5-TP(Silvex)	9.72	9.73	9.63	9.83	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/23/2024 10/23/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/25/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028056.D **Time Analyzed:** 18:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.029	8.929	9.129	713.180	712.500	0.1
2,4-D	8.176	8.077	8.277	698.470	705.000	-0.9
2,4-DCAA	7.090	6.991	7.191	745.250	750.000	-0.6

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/23/2024 10/23/2024

Client Sample No.: CCAL04 **Date Analyzed:** 10/25/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028056.D **Time Analyzed:** 18:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.722	9.625	9.825	812.130	712.500	14.0
2,4-D	8.833	8.737	8.937	721.570	705.000	2.4
2,4-DCAA	7.611	7.514	7.714	745.670	750.000	-0.6

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/28/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 10:32 **Initial Calibration Time(s):** 11:28 13:04

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.09	7.09	6.99	7.19	0.00
2,4-D	8.17	8.18	8.08	8.28	0.01
2,4,5-TP(Silvex)	9.03	9.03	8.93	9.13	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/28/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 10:32 **Initial Calibration Time(s):** 11:28 13:04

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
2,4-D	8.83	8.84	8.74	8.94	0.01
2,4,5-TP(Silvex)	9.72	9.73	9.63	9.83	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/23/2024 10/23/2024

Client Sample No.: CCAL05 **Date Analyzed:** 10/28/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028072.D **Time Analyzed:** 10:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.025	8.929	9.129	699.070	712.500	-1.9
2,4-D	8.173	8.077	8.277	675.860	705.000	-4.1
2,4-DCAA	7.088	6.991	7.191	727.270	750.000	-3.0

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/23/2024 10/23/2024

Client Sample No.: CCAL05 **Date Analyzed:** 10/28/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028072.D **Time Analyzed:** 10:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.719	9.625	9.825	764.520	712.500	7.3
2,4-D	8.832	8.737	8.937	690.400	705.000	-2.1
2,4-DCAA	7.609	7.514	7.714	754.150	750.000	0.6

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/28/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 17:17 **Initial Calibration Time(s):** 11:28 13:04

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.09	7.09	6.99	7.19	0.00
2,4-D	8.18	8.18	8.08	8.28	0.00
2,4,5-TP(Silvex)	9.03	9.03	8.93	9.13	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Continuing Calib Date: 10/28/2024 **Initial Calibration Date(s):** 10/23/2024 10/23/2024

Continuing Calib Time: 17:17 **Initial Calibration Time(s):** 11:28 13:04

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.61	7.61	7.51	7.71	0.00
2,4-D	8.83	8.84	8.74	8.94	0.01
2,4,5-TP(Silvex)	9.72	9.73	9.63	9.83	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/23/2024 10/23/2024

Client Sample No.: CCAL06 **Date Analyzed:** 10/28/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028076.D **Time Analyzed:** 17:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.029	8.929	9.129	715.650	712.500	0.4
2,4-D	8.176	8.077	8.277	699.590	705.000	-0.8
2,4-DCAA	7.090	6.991	7.191	733.900	750.000	-2.1

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/23/2024 10/23/2024

Client Sample No.: CCAL06 **Date Analyzed:** 10/28/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028076.D **Time Analyzed:** 17:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.719	9.625	9.825	743.740	712.500	4.4
2,4-D	8.829	8.737	8.937	729.960	705.000	3.5
2,4-DCAA	7.606	7.514	7.714	729.190	750.000	-2.8

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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Project: Amtrak Sawtooth Bridges 2024 **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/23/2024 10/23/2024

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	DCAA RT #	RT #
I.BLK	I.BLK	10/23/2024	11:04	PS028007.D	7.09	0.00
HSTDICC200	HSTDICC200	10/23/2024	11:28	PS028008.D	7.09	0.00
HSTDICC500	HSTDICC500	10/23/2024	11:52	PS028009.D	7.09	0.00
HSTDICC750	HSTDICC750	10/23/2024	12:16	PS028010.D	7.09	0.00
HSTDICC1000	HSTDICC1000	10/23/2024	12:40	PS028011.D	7.09	0.00
HSTDICC1500	HSTDICC1500	10/23/2024	13:04	PS028012.D	7.09	0.00
I.BLK	I.BLK	10/24/2024	11:01	PS028035.D	7.09	0.00
HSTDCCC750	HSTDCCC750	10/24/2024	11:25	PS028036.D	7.09	0.00
PB164378BL	PB164378BL	10/24/2024	17:09	PS028037.D	7.09	0.00
PB164378BS	PB164378BS	10/24/2024	17:33	PS028038.D	7.09	0.00
WB-301-BOTMS	P4397-06MS	10/24/2024	19:09	PS028042.D	7.09	0.00
WB-301-BOTMSD	P4397-06MSD	10/24/2024	19:32	PS028043.D	7.09	0.00
I.BLK	I.BLK	10/24/2024	20:44	PS028046.D	7.09	0.00
HSTDCCC750	HSTDCCC750	10/24/2024	21:08	PS028047.D	7.09	0.00
I.BLK	I.BLK	10/25/2024	11:42	PS028049.D	7.09	0.00
HSTDCCC750	HSTDCCC750	10/25/2024	12:32	PS028050.D	7.09	0.00
WB-303-BOT	P4460-04	10/25/2024	16:49	PS028052.D	7.09	0.00
I.BLK	I.BLK	10/25/2024	18:05	PS028055.D	7.09	0.00
HSTDCCC750	HSTDCCC750	10/25/2024	18:28	PS028056.D	7.09	0.00
I.BLK	I.BLK	10/28/2024	10:08	PS028071.D	7.09	0.00
HSTDCCC750	HSTDCCC750	10/28/2024	10:32	PS028072.D	7.09	0.00
PB164261TB	PB164261TB	10/28/2024	13:11	PS028073.D	7.09	0.00
I.BLK	I.BLK	10/28/2024	13:59	PS028075.D	7.09	0.00
HSTDCCC750	HSTDCCC750	10/28/2024	17:17	PS028076.D	7.09	0.00

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

Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Project: Amtrak Sawtooth Bridges 2024 **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/23/2024 10/23/2024

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	DCAA RT #	RT #
I.BLK	I.BLK	10/23/2024	11:04	PS028007.D	7.62	0.00
HSTDICC200	HSTDICC200	10/23/2024	11:28	PS028008.D	7.61	0.00
HSTDICC500	HSTDICC500	10/23/2024	11:52	PS028009.D	7.62	0.00
HSTDICC750	HSTDICC750	10/23/2024	12:16	PS028010.D	7.61	0.00
HSTDICC1000	HSTDICC1000	10/23/2024	12:40	PS028011.D	7.62	0.00
HSTDICC1500	HSTDICC1500	10/23/2024	13:04	PS028012.D	7.61	0.00
I.BLK	I.BLK	10/24/2024	11:01	PS028035.D	7.61	0.00
HSTDCCC750	HSTDCCC750	10/24/2024	11:25	PS028036.D	7.61	0.00
PB164378BL	PB164378BL	10/24/2024	17:09	PS028037.D	7.61	0.00
PB164378BS	PB164378BS	10/24/2024	17:33	PS028038.D	7.61	0.00
WB-301-BOTMS	P4397-06MS	10/24/2024	19:09	PS028042.D	7.61	0.00
WB-301-BOTMSD	P4397-06MSD	10/24/2024	19:32	PS028043.D	7.61	0.00
I.BLK	I.BLK	10/24/2024	20:44	PS028046.D	7.61	0.00
HSTDCCC750	HSTDCCC750	10/24/2024	21:08	PS028047.D	7.61	0.00
I.BLK	I.BLK	10/25/2024	11:42	PS028049.D	7.61	0.00
HSTDCCC750	HSTDCCC750	10/25/2024	12:32	PS028050.D	7.61	0.00
WB-303-BOT	P4460-04	10/25/2024	16:49	PS028052.D	7.61	0.00
I.BLK	I.BLK	10/25/2024	18:05	PS028055.D	7.61	0.00
HSTDCCC750	HSTDCCC750	10/25/2024	18:28	PS028056.D	7.61	0.00
I.BLK	I.BLK	10/28/2024	10:08	PS028071.D	7.61	0.00
HSTDCCC750	HSTDCCC750	10/28/2024	10:32	PS028072.D	7.61	0.00
PB164261TB	PB164261TB	10/28/2024	13:11	PS028073.D	7.61	0.00
I.BLK	I.BLK	10/28/2024	13:59	PS028075.D	7.61	0.00
HSTDCCC750	HSTDCCC750	10/28/2024	17:17	PS028076.D	7.61	0.00

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164378BS

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Lab Sample ID: PB164378BS **Date(s) Analyzed:** 10/24/2024 10/24/2024

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-TP(Silvex)	1	9.03	8.98	9.08	4.90	9.7
	2	9.72	9.67	9.77	5.40	
2,4-D	1	8.18	8.13	8.23	4.90	2
	2	8.84	8.79	8.89	5.00	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-301-BOTMS

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Lab Sample ID: P4397-06MS **Date(s) Analyzed:** 10/24/2024 10/24/2024

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-TP(Silvex)	1	9.03	8.98	9.08	47.3	76.6
	2	9.73	9.68	9.78	106	
2,4-D	1	8.18	8.13	8.23	49.0	11.9
	2	8.84	8.79	8.89	55.2	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WB-301-BOTMSD

Contract: PORT06

Lab Code: CHEM **Case No.:** P4460 **SAS No.:** P4460 **SDG NO.:** P4460

Lab Sample ID: P4397-06MSD **Date(s) Analyzed:** 10/24/2024 10/24/2024

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.18	8.13	8.23	49.2	14
	2	8.83	8.78	8.88	56.6	
2,4,5-TP(Silvex)	1	9.03	8.98	9.08	47.5	81.6
	2	9.73	9.68	9.78	113	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102524\
Data File : PS028052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 16:49
Operator : AR\AJ
Sample : P4460-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
WB-303-BOT

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 18:11:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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						
4) S	2,4-DCAA	7.090	7.612	1225.1E6	380.2E6	454.257m	400.807
	Target Compounds						

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

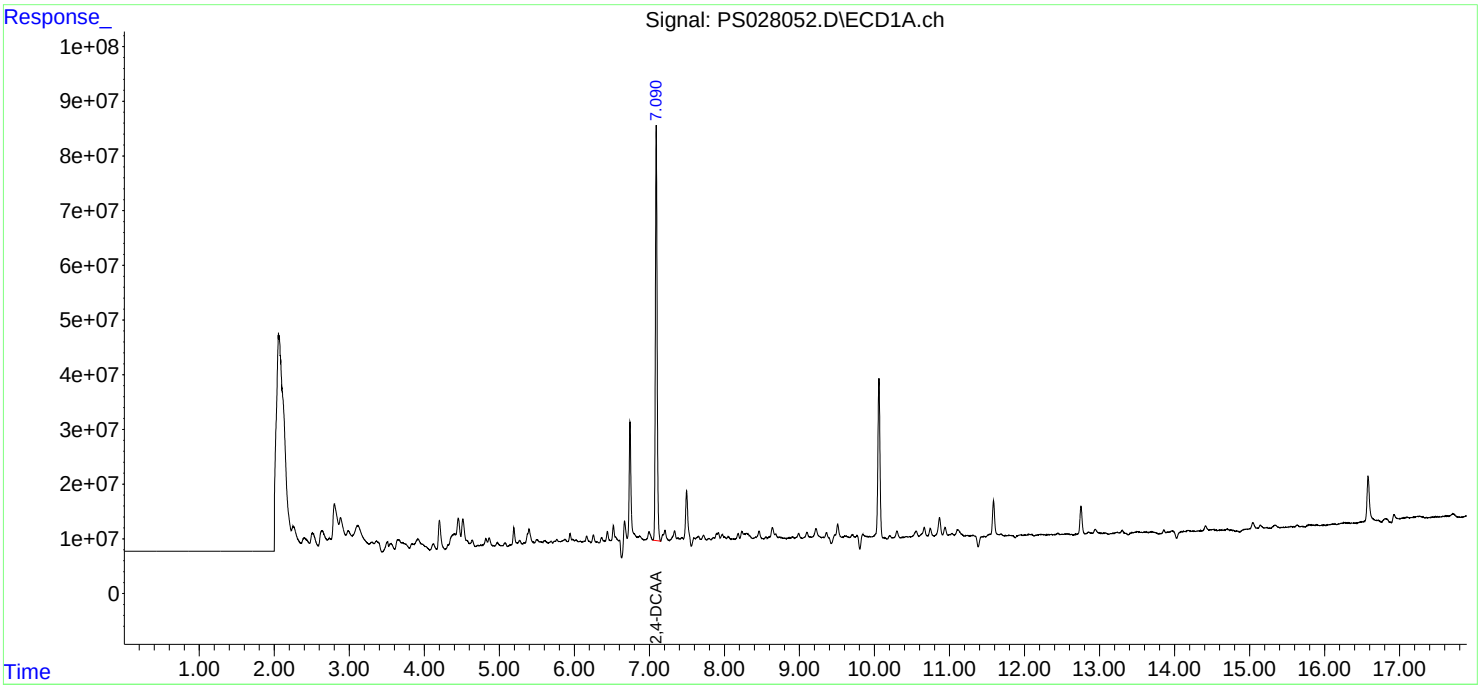
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102524\
Data File : PS028052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2024 16:49
Operator : AR\AJ
Sample : P4460-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

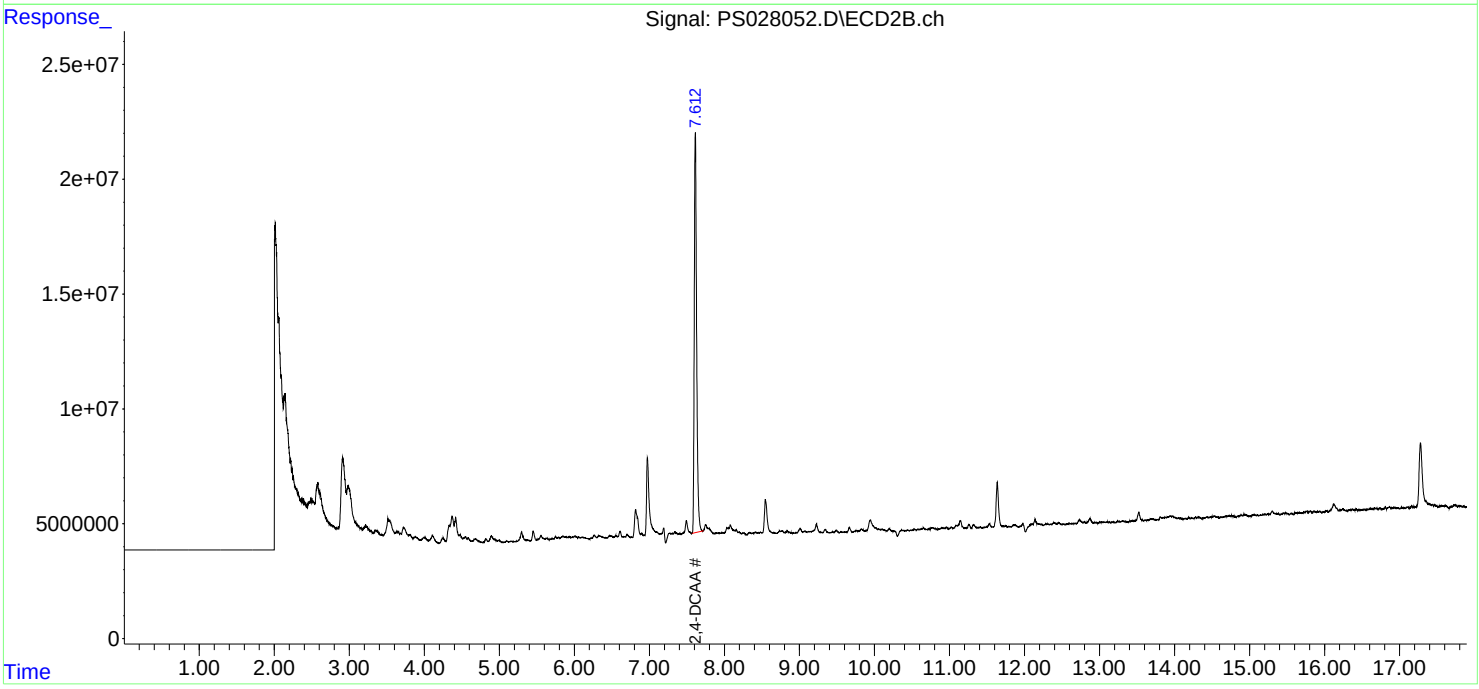
Instrument :
ECD_S
ClientSampleId :
WB-303-BOT

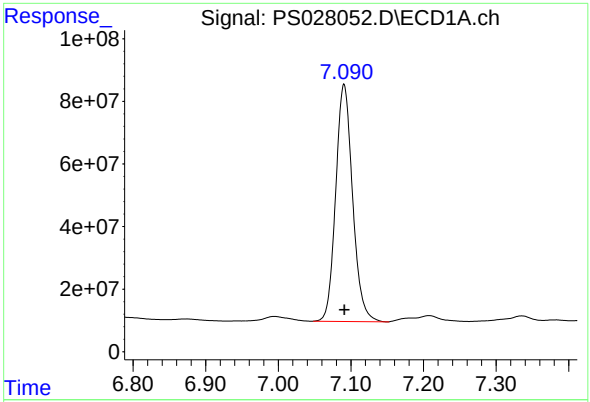
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 18:11:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







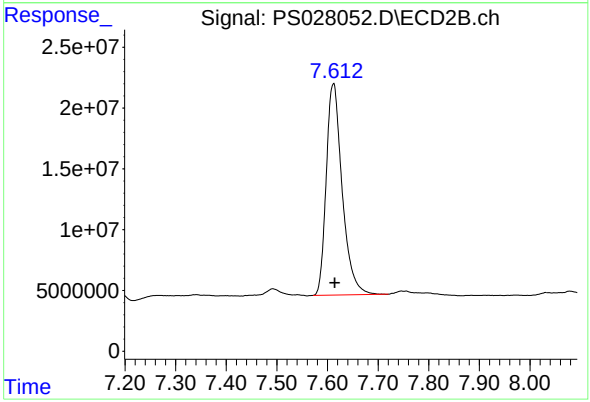
#4 2,4-DCAA

R.T.: 7.090 min
Delta R.T.: -0.001 min
Response: 1225114806
Conc: 454.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
WB-303-BOT

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2024
Supervised By :Ankita Jodhani 10/28/2024



#4 2,4-DCAA

R.T.: 7.612 min
Delta R.T.: -0.002 min
Response: 380236727
Conc: 400.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102824\
Data File : PS028073.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 13:11
Operator : AR\AJ
Sample : PB164261TB
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB164261TB

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 00:23:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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						
4) S	2,4-DCAA	7.089	7.606	942.5E6	270.6E6	349.479m	285.201
	Target Compounds						

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

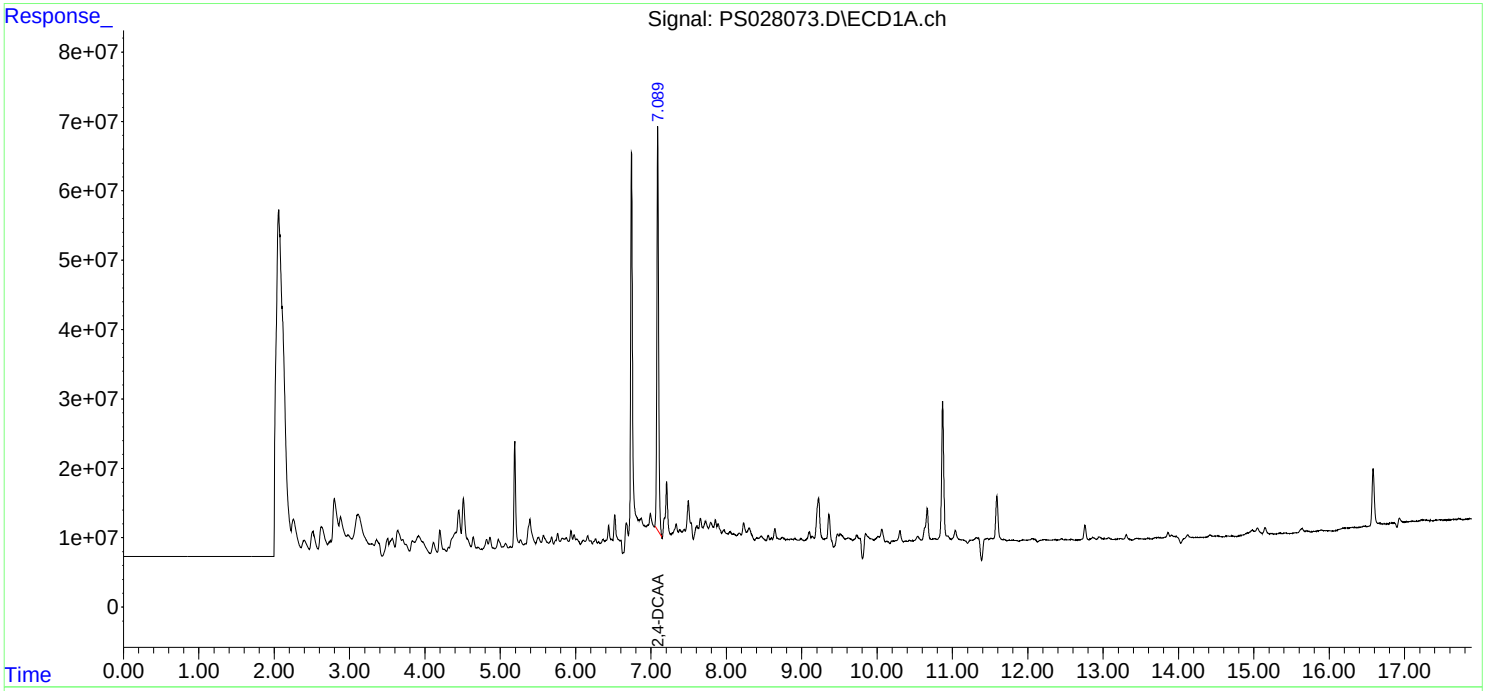
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102824\
Data File : PS028073.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 13:11
Operator : AR\AJ
Sample : PB164261TB
Misc :
ALS Vial : 4 Sample Multiplier: 1

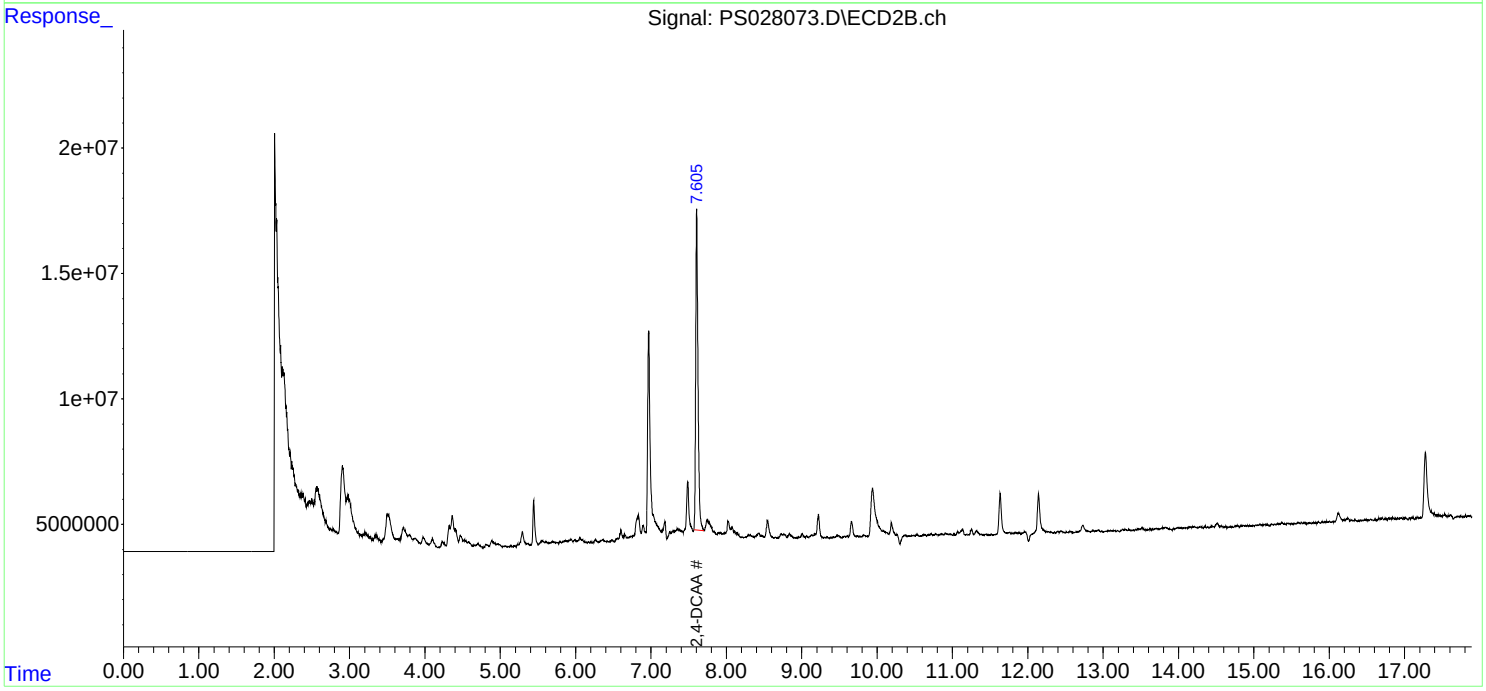
Instrument :
ECD_S
ClientSampleId :
PB164261TB

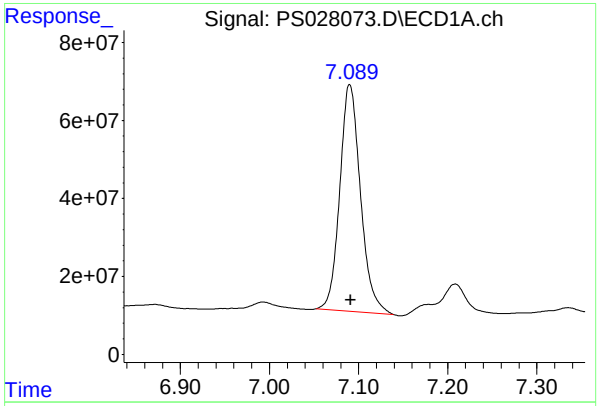
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 29 00:23:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







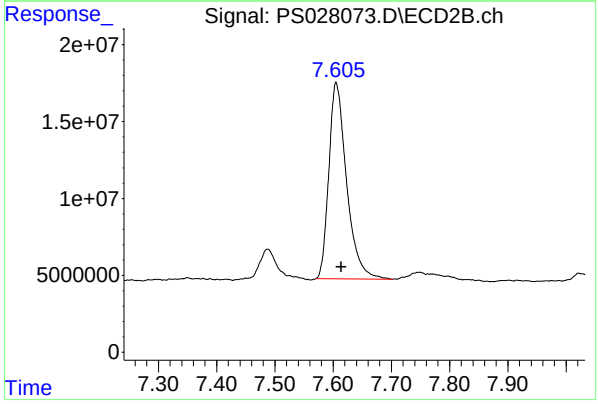
#4 2,4-DCAA

R.T.: 7.089 min
Delta R.T.: -0.002 min
Response: 942532239
Conc: 349.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164261TB

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024



#4 2,4-DCAA

R.T.: 7.606 min
Delta R.T.: -0.009 min
Response: 270563667
Conc: 285.20 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
Data File : PS028037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 17:09
Operator : AR\AJ
Sample : PB164378BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB164378BL

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:41:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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						
4) S	2,4-DCAA	7.093	7.609	1374.5E6	489.7E6	509.646m	516.148
	Target Compounds						

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

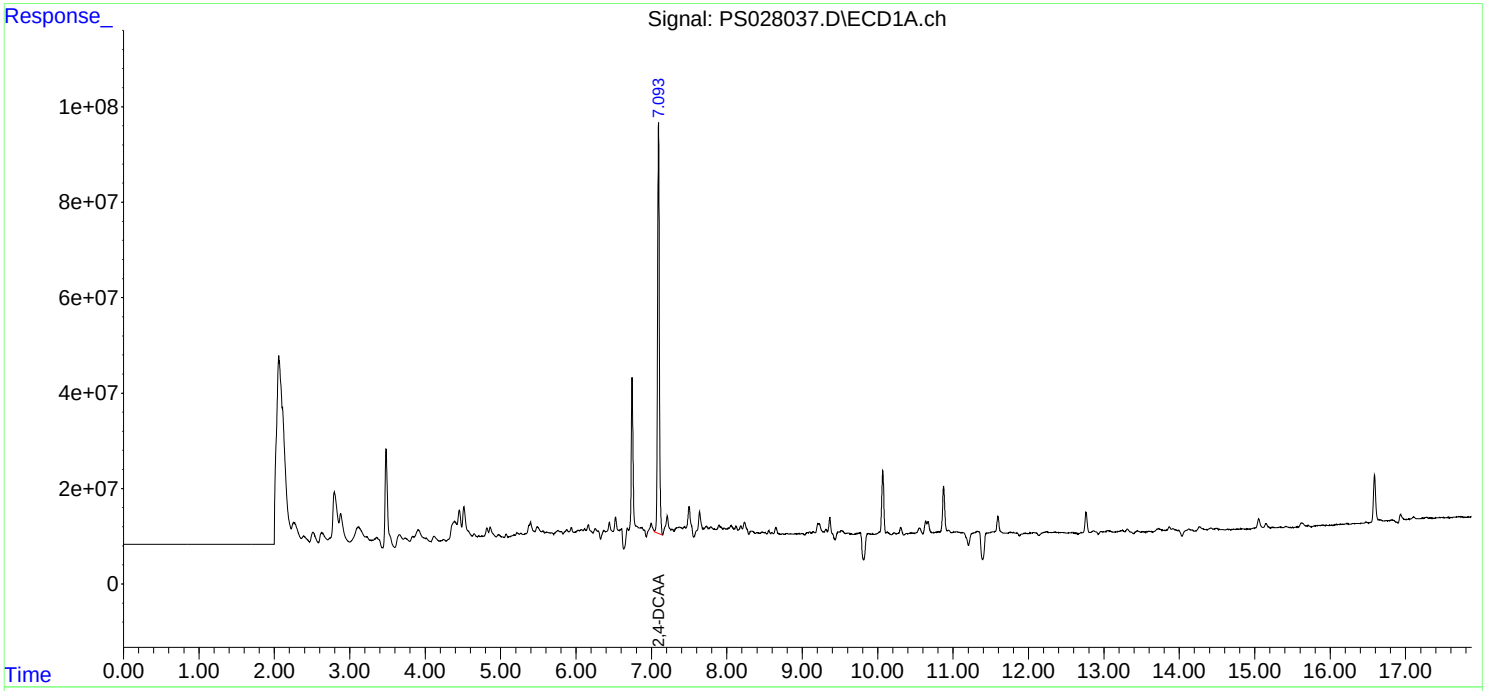
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
Data File : PS028037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 17:09
Operator : AR\AJ
Sample : PB164378BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

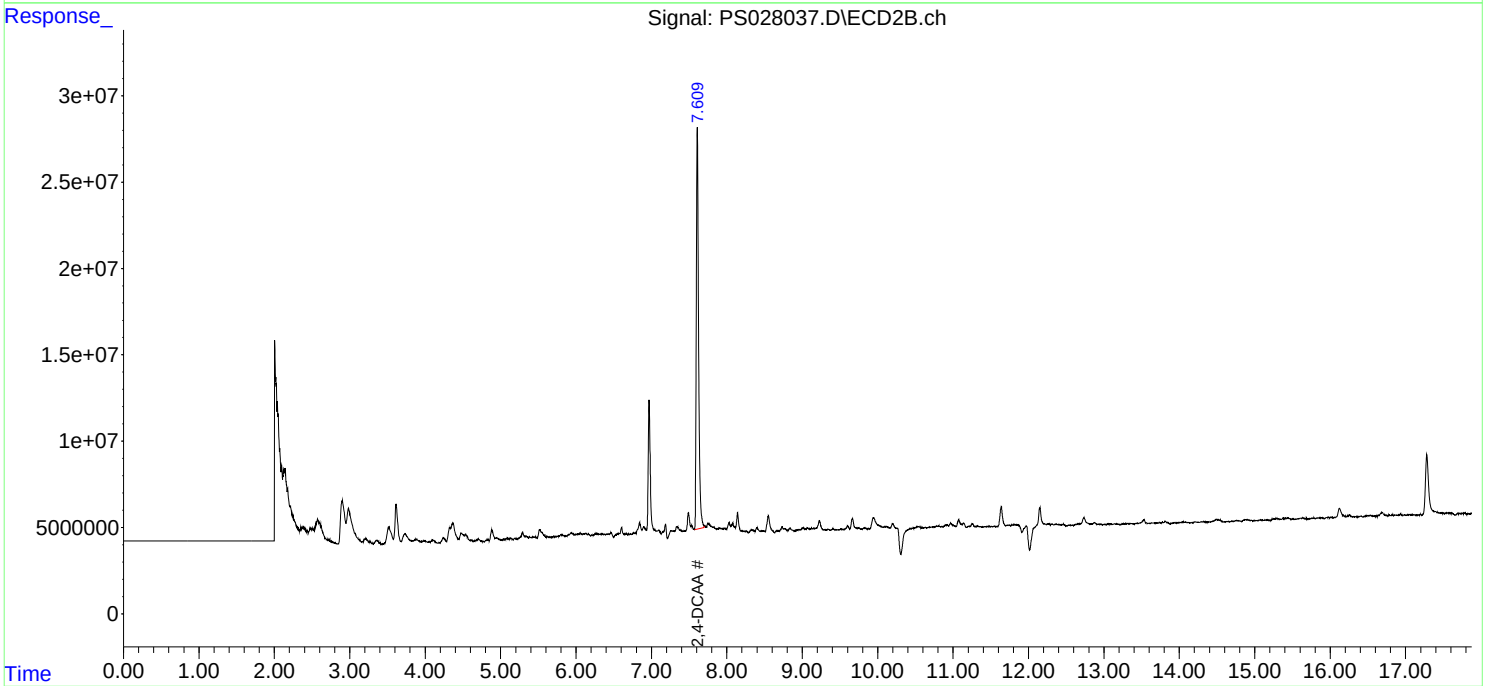
Instrument :
ECD_S
ClientSampleId :
PB164378BL

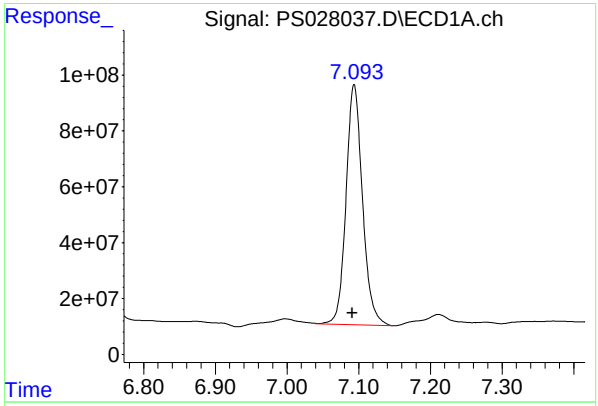
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:41:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







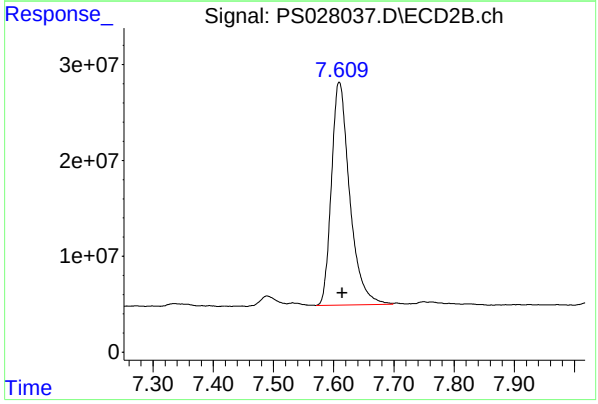
#4 2,4-DCAA

R.T.: 7.093 min
Delta R.T.: 0.002 min
Response: 1374498746
Conc: 509.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164378BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024



#4 2,4-DCAA

R.T.: 7.609 min
Delta R.T.: -0.005 min
Response: 489657956
Conc: 516.15 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
Data File : PS028038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 17:33
Operator : AR\AJ
Sample : PB164378BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB164378BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:42:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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						
4)	S	2,4-DCAA	7.092	7.613	1366.0E6	513.7E6	506.494	541.517
		Target Compounds						
1)	T	Dalapon	2.539	2.612	2094.8E6	775.8E6	459.742	454.878
2)	T	3,5-DICHL...	6.284	6.586	1837.1E6	659.2E6	464.268	492.861
3)	T	4-Nitroph...	6.886	7.146	842.3E6	339.9E6	455.202	491.699
5)	T	DICAMBA	7.270	7.805	5231.5E6	1689.3E6	478.335	511.177
6)	T	MCPP	7.448	7.908	338.2E6	131.0E6	46.126	50.658
7)	T	MCPA	7.592	8.147	482.5E6	228.9E6	45.505	49.742
8)	T	DICHLORPROP	7.955	8.512	1377.6E6	488.7E6	477.724	521.599
9)	T	2,4-D	8.178	8.837	1661.3E6	496.6E6	490.275	498.000
10)	T	Pentachlo...	8.464	9.348	19935.8E6	6669.1E6	503.787	520.776
11)	T	2,4,5-TP ...	9.030	9.724	7884.8E6	2460.6E6	488.197	539.051
12)	T	2,4,5-T	9.315	10.137	8059.8E6	2165.9E6	482.435	526.673
13)	T	2,4-DB	9.877	10.699	1249.0E6	279.6E6	474.374	547.387
14)	T	DINOSEB	11.052	11.072	5258.5E6	1672.8E6	477.745	497.146
15)	T	Picloram	10.867	12.150	10639.9E6	1877.2E6	477.867	411.959
16)	T	DCPA	11.351	12.102	9048.8E6	2545.6E6	489.433	548.485

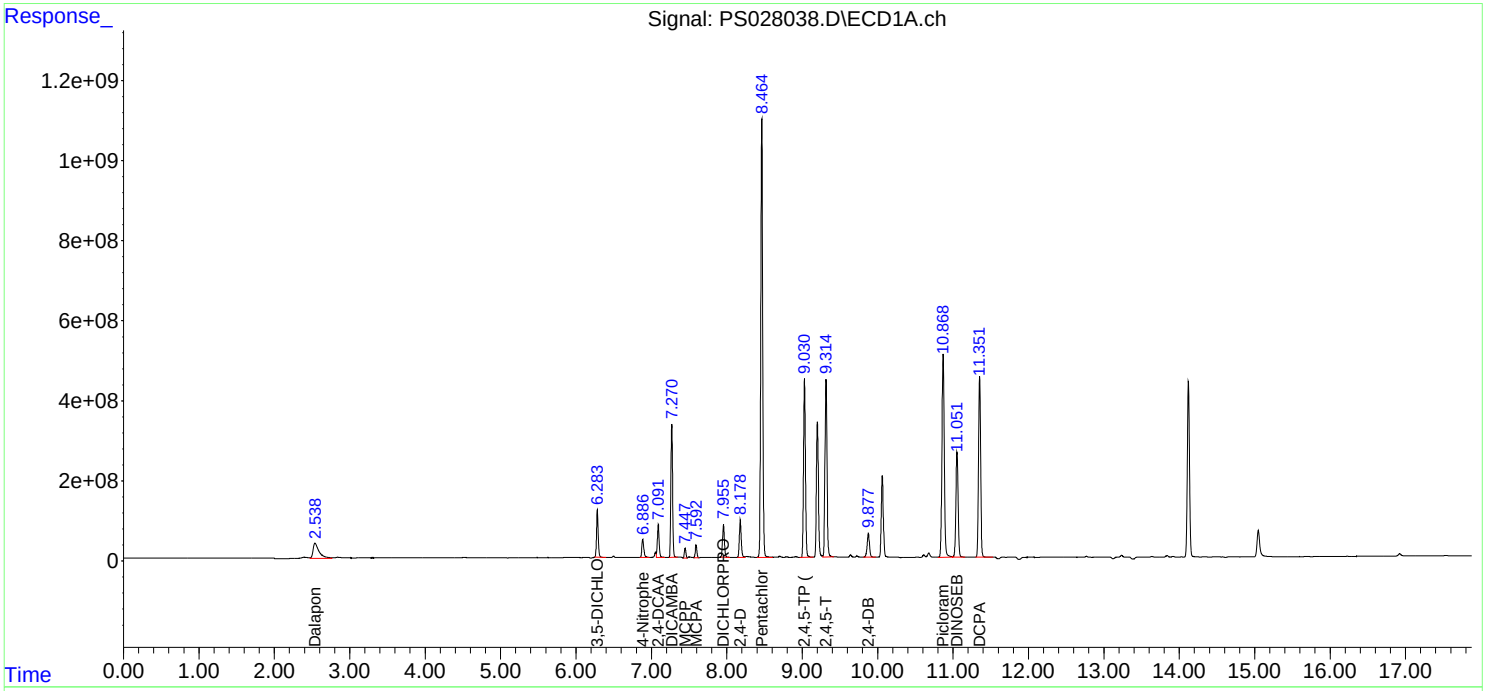
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

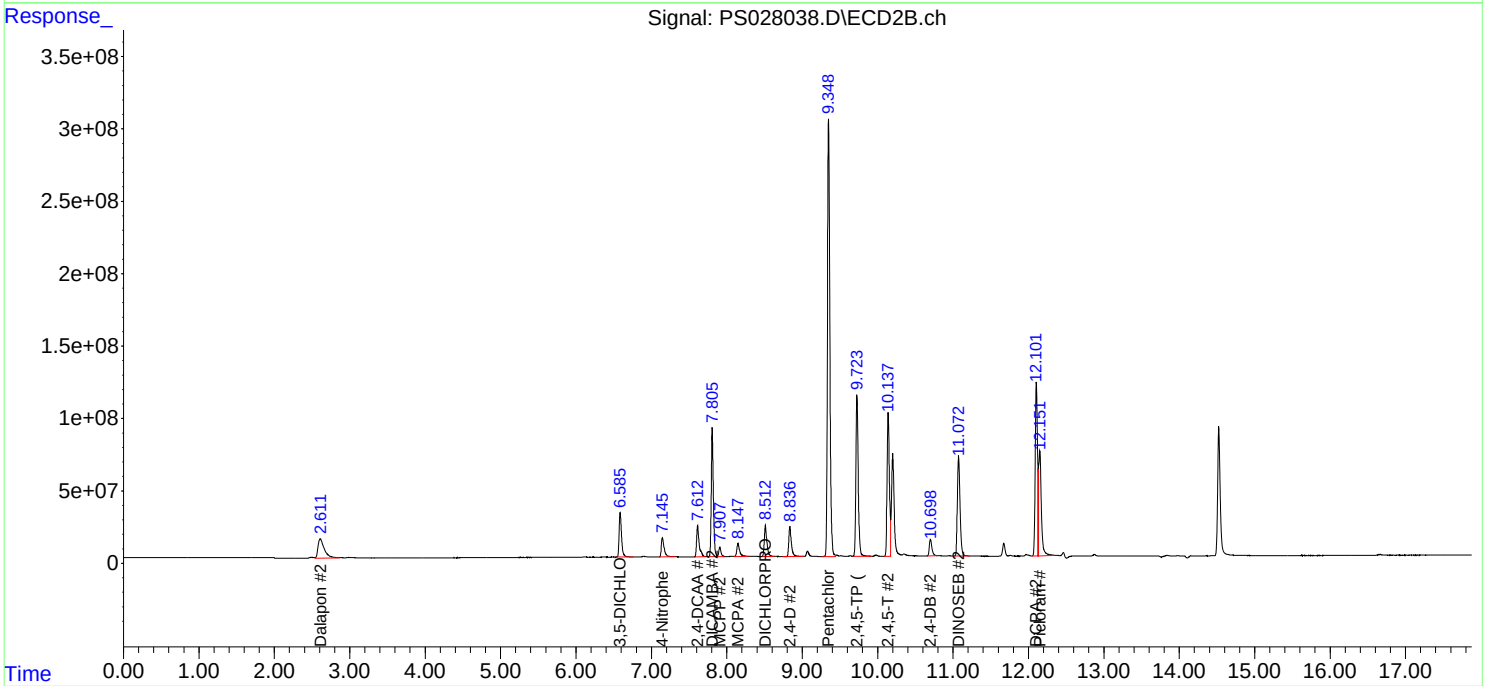
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
Data File : PS028038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 17:33
Operator : AR\AJ
Sample : PB164378BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB164378BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:42:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
Data File : PS028042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 19:09
Operator : AR\AJ
Sample : P4397-06MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
WB-301-BOTMS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:46:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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						
4) S	2,4-DCAA	7.091	7.612	372.5E6	108.3E6	138.132m	114.209
	Target Compounds						
1) T	Dalapon	2.542	2.617	1501.3E6	593.4E6	329.484	347.931m
2) T	3,5-DICHL...	6.283	6.585	1113.2E6	379.0E6	281.331	283.362
5) T	DICAMBA	7.269	7.806	4487.4E6	1321.2E6	410.303	399.789
6) T	MCPP	7.447	7.907	308.6E6	88714857	42.083m	34.319
7) T	MCPA	7.591	8.144	392.5E6	197.2E6	37.010	42.856m
8) T	DICHLORPROP	7.954	8.509	1244.3E6	447.1E6	431.484	477.210
9) T	2,4-D	8.176	8.835	1660.6E6	550.3E6	490.057	551.913
10) T	Pentachlo...	8.463	9.347	5387.2E6	1448.7E6	136.136	113.125
11) T	2,4,5-TP ...	9.028	9.727	7631.5E6	4822.3E6	472.516	1056.448 #
12) T	2,4,5-T	9.313	10.137	7507.8E6	2074.7E6	449.393	504.482
13) T	2,4-DB	9.875	10.695	1031.4E6	207.3E6	391.725	405.788
14) T	DINOSEB	11.050	11.072	984.3E6	285.6E6	89.429	84.881
15) T	Picloram	10.865	12.144	8825.0E6	1858.8E6	396.357	407.909
16) T	DCPA	11.349	12.104	9964.0E6	2828.9E6	538.930	609.515

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

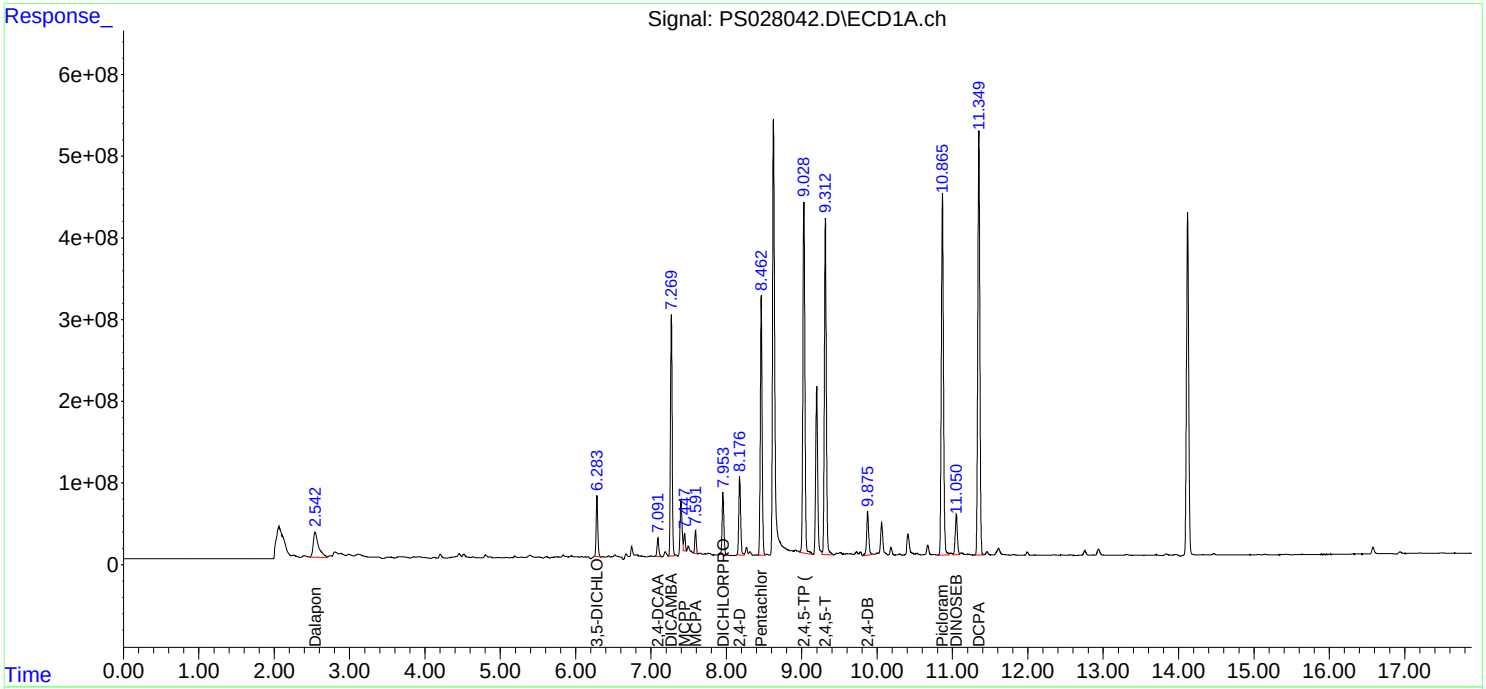
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
Data File : PS028042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 19:09
Operator : AR\AJ
Sample : P4397-06MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

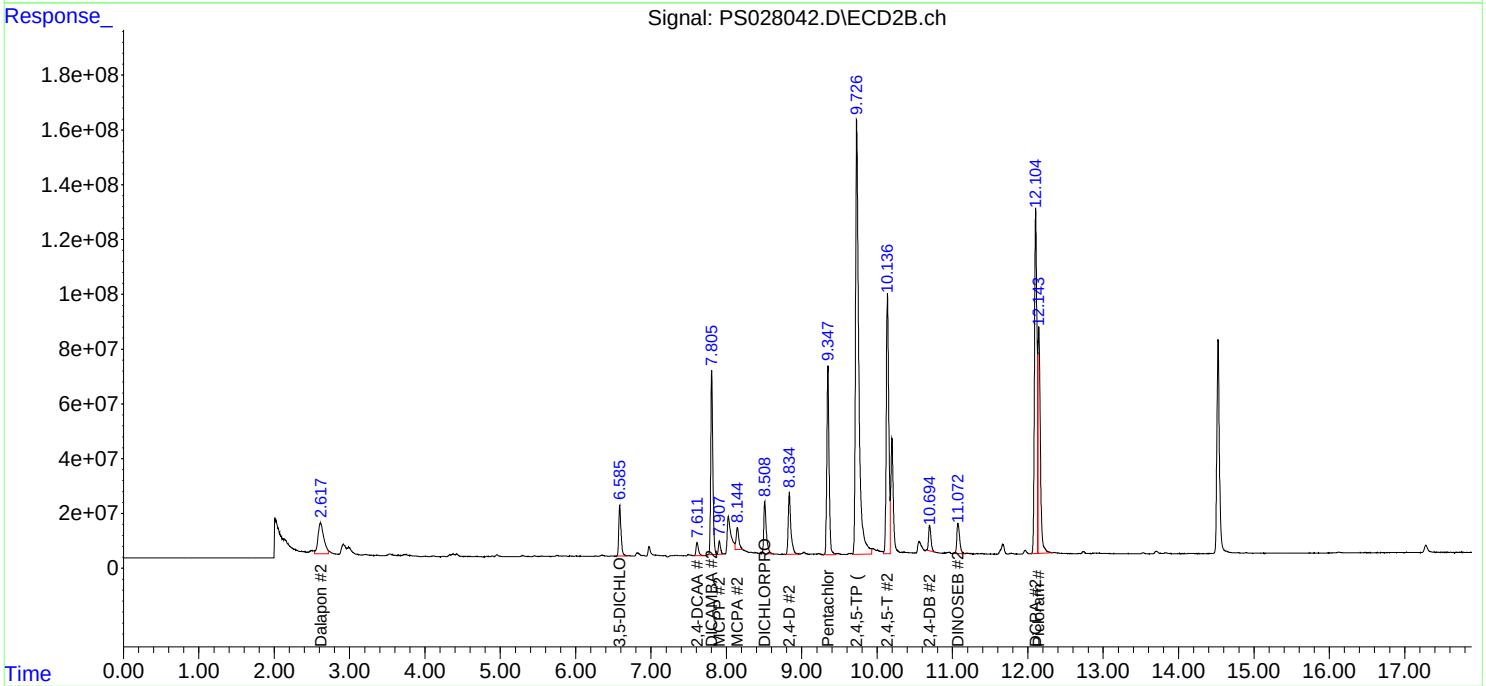
Instrument :
ECD_S
ClientSampleId :
WB-301-BOTMS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:46:04 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
Data File : PS028043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 19:32
Operator : AR\AJ
Sample : P4397-06MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
WB-301-BOTMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:47:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 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						
4) S	2,4-DCAA	7.091	7.612	382.8E6	105.5E6	141.953m	111.164
	Target Compounds						
1) T	Dalapon	2.541	2.604	1470.9E6	630.1E6	322.816	369.479m
2) T	3,5-DICHL...	6.283	6.584	1107.8E6	381.1E6	279.962	284.899
5) T	DICAMBA	7.269	7.805	4448.1E6	1363.8E6	406.710	412.682
6) T	MCPP	7.446	7.908	321.1E6	91444977	43.785m	35.375
7) T	MCPA	7.591	8.146	399.4E6	167.7E6	37.666	36.431m
8) T	DICHLORPROP	7.954	8.510	1249.2E6	460.5E6	433.203	491.502
9) T	2,4-D	8.176	8.834	1666.1E6	564.5E6	491.685	566.078
10) T	Pentachlo...	8.462	9.346	5264.8E6	1426.2E6	133.043	111.367
11) T	2,4,5-TP ...	9.029	9.730	7670.8E6	5164.9E6	474.948	1131.497 #
12) T	2,4,5-T	9.312	10.137	7628.9E6	2075.6E6	456.643	504.712
13) T	2,4-DB	9.875	10.697	1025.3E6	217.2E6	389.413	425.240
14) T	DINOSEB	11.050	11.073	962.5E6	270.8E6	87.443	80.490
15) T	Picloram	10.866	12.144	8907.0E6	2232.6E6	400.039	489.957
16) T	DCPA	11.350	12.104	10107.5E6	2695.1E6	546.695	580.696

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

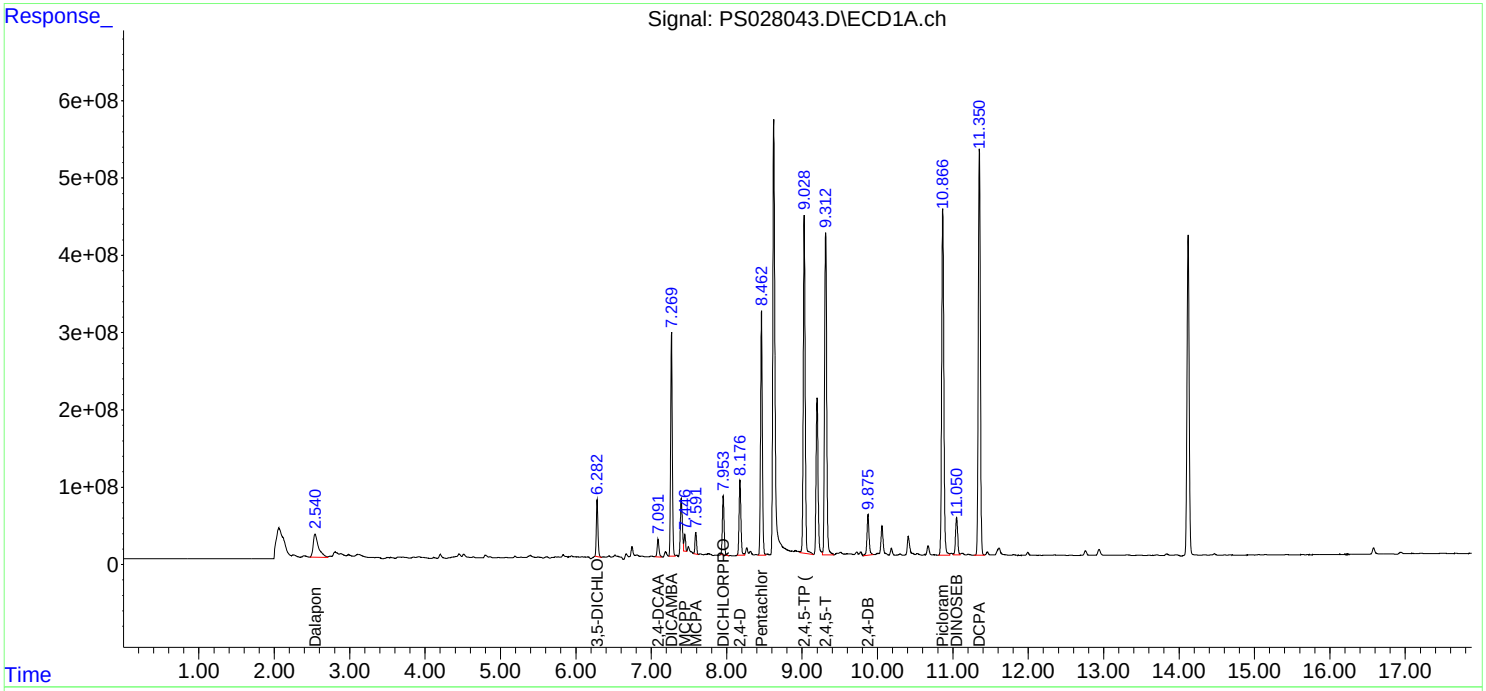
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS102424\
Data File : PS028043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2024 19:32
Operator : AR\AJ
Sample : P4397-06MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

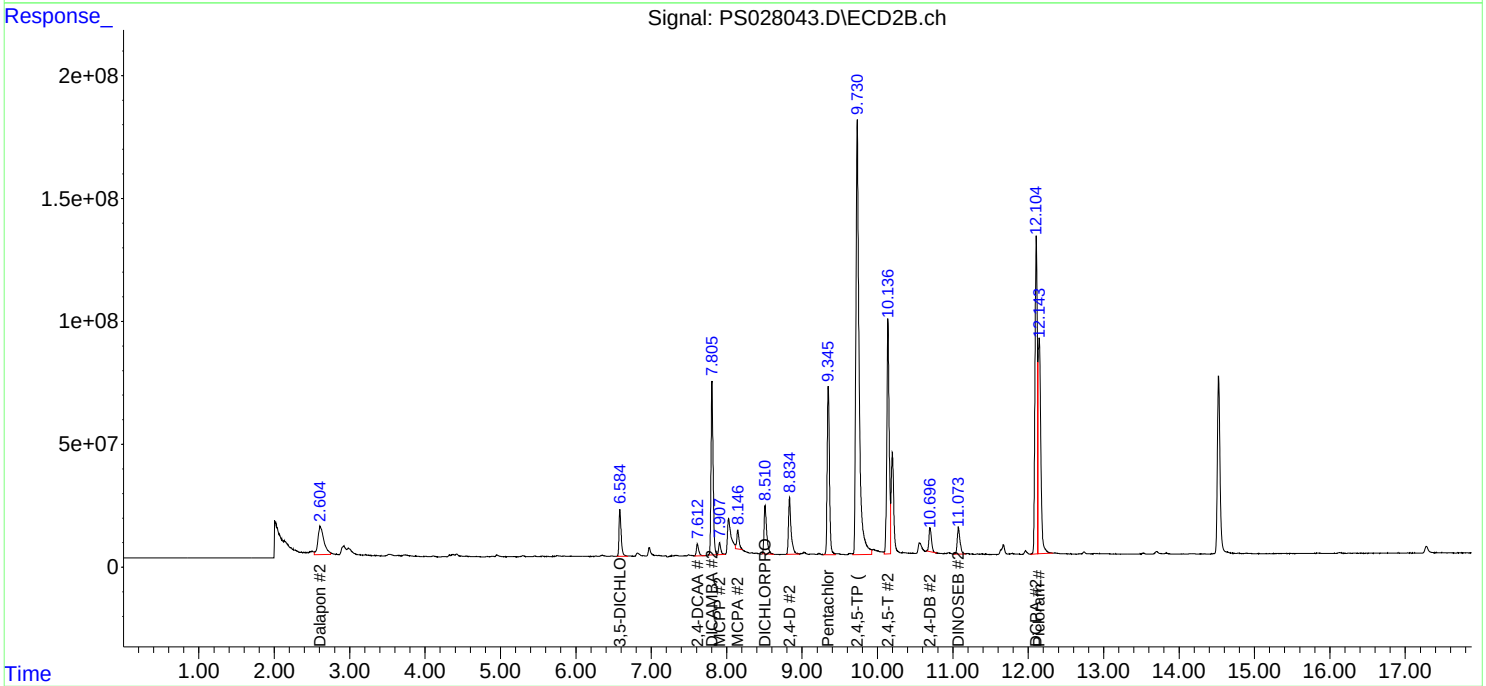
Instrument :
ECD_S
ClientSampleId :
WB-301-BOTMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/25/2024
Supervised By :Ankita Jodhani 10/28/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 25 02:47:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS102324.M
Quant Title : 8080.M
QLast Update : Wed Oct 23 13:25:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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Manual Integration Report

Sequence:	PS102324	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS028008.D	MCPA #2	Abdul	10/24/2024 2:21:48 PM	Ankita	10/24/2024 2:24:57	Peak Integrated by Software
HSTDICC1000	PS028011.D	2,4-DCAA	Abdul	10/24/2024 2:21:51 PM	Ankita	10/24/2024 2:24:58	Peak Integrated by Software
HSTDCCC750	PS028015.D	Dalapon #2	Abdul	10/24/2024 2:21:55 PM	Ankita	10/24/2024 2:25:00	Peak Integrated by Software
HSTDCCC750	PS028024.D	Picloram #2	Abdul	10/24/2024 2:22:11 PM	Ankita	10/24/2024 2:25:11	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS102424	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PS028031.D	2,4-DCAA	Abdul	10/25/2024 3:27:05 PM	Ankita	10/28/2024 9:12:15	Peak Integrated by Software
I.BLK	PS028035.D	2,4-DCAA	Abdul	10/25/2024 3:27:09 PM	Ankita	10/28/2024 9:12:17	Peak Integrated by Software
PB164378BL	PS028037.D	2,4-DCAA	Abdul	10/25/2024 3:27:12 PM	Ankita	10/28/2024 9:12:19	Peak Integrated by Software
P4397-06MS	PS028042.D	2,4-DCAA	Abdul	10/25/2024 3:27:21 PM	Ankita	10/28/2024 9:12:23	Peak Integrated by Software
P4397-06MS	PS028042.D	Dalapon #2	Abdul	10/25/2024 3:27:21 PM	Ankita	10/28/2024 9:12:23	Peak Integrated by Software
P4397-06MS	PS028042.D	MCPA #2	Abdul	10/25/2024 3:27:21 PM	Ankita	10/28/2024 9:12:23	Peak Integrated by Software
P4397-06MS	PS028042.D	MCPP	Abdul	10/25/2024 3:27:21 PM	Ankita	10/28/2024 9:12:23	Peak Integrated by Software
P4397-06MSD	PS028043.D	2,4-DCAA	Abdul	10/25/2024 3:27:24 PM	Ankita	10/28/2024 9:12:26	Peak Integrated by Software
P4397-06MSD	PS028043.D	Dalapon #2	Abdul	10/25/2024 3:27:24 PM	Ankita	10/28/2024 9:12:26	Peak Integrated by Software
P4397-06MSD	PS028043.D	MCPA #2	Abdul	10/25/2024 3:27:24 PM	Ankita	10/28/2024 9:12:26	Peak Integrated by Software
P4397-06MSD	PS028043.D	MCPP	Abdul	10/25/2024 3:27:24 PM	Ankita	10/28/2024 9:12:26	Peak Integrated by Software
I.BLK	PS028046.D	2,4-DCAA	Abdul	10/25/2024 3:27:33 PM	Ankita	10/28/2024 9:12:29	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS102424	Instrument	ECD_s

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:	PS102524	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4460-04	PS028052.D	2,4-DCAA	Abdul	10/28/2024 9:28:16 AM	Ankita	10/28/2024 10:47:42	Peak Integrated by Software
I.BLK	PS028068.D	2,4-DCAA	Abdul	10/28/2024 9:29:07 AM	Ankita	10/28/2024 10:48:04	Peak Integrated by Software
HSTDCCC750	PS028069.D	2,4-D #2	Abdul	10/28/2024 9:28:53 AM	Ankita	10/28/2024 10:48:05	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS102824	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PS028071.D	2,4-DCAA	Abdul	10/29/2024 8:52:10 AM	Ankita	10/29/2024 8:52:39	Peak Integrated by Software
HSTDCCC750	PS028072.D	MCPP #2	Abdul	10/29/2024 8:52:11 AM	Ankita	10/29/2024 8:52:40	Peak Integrated by Software
PB164261TB	PS028073.D	2,4-DCAA	Abdul	10/29/2024 8:52:14 AM	Ankita	10/29/2024 8:52:41	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102324

Review By	Abdul	Review On	10/24/2024 2:22:53 PM		
Supervise By	Ankita	Supervise On	10/24/2024 2:25:32 PM		
SubDirectory	PS102324	HP Acquire Method		HP Processing Method	ps102324 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS028006.D	23 Oct 2024 10:40	AR\AJ	Ok
2	I.BLK	PS028007.D	23 Oct 2024 11:04	AR\AJ	Ok
3	HSTDICC200	PS028008.D	23 Oct 2024 11:28	AR\AJ	Ok,M
4	HSTDICC500	PS028009.D	23 Oct 2024 11:52	AR\AJ	Ok
5	HSTDICC750	PS028010.D	23 Oct 2024 12:16	AR\AJ	Ok
6	HSTDICC1000	PS028011.D	23 Oct 2024 12:40	AR\AJ	Ok,M
7	HSTDICC1500	PS028012.D	23 Oct 2024 13:04	AR\AJ	Ok
8	HSTDICV750	PS028013.D	23 Oct 2024 13:28	AR\AJ	Ok
9	I.BLK	PS028014.D	23 Oct 2024 14:14	AR\AJ	Ok
10	HSTDCCC750	PS028015.D	23 Oct 2024 14:38	AR\AJ	Ok,M
11	P4443-01	PS028016.D	23 Oct 2024 15:02	AR\AJ	Ok,M
12	P4443-06	PS028017.D	23 Oct 2024 15:26	AR\AJ	Ok,M
13	P4458-01	PS028018.D	23 Oct 2024 15:49	AR\AJ	Ok,M
14	P4458-01MS	PS028019.D	23 Oct 2024 16:13	AR\AJ	Ok,M
15	P4458-01MSD	PS028020.D	23 Oct 2024 16:37	AR\AJ	Ok,M
16	PB174307BL	PS028021.D	23 Oct 2024 17:01	AR\AJ	Ok,M
17	PB174307BS	PS028022.D	23 Oct 2024 17:25	AR\AJ	Ok
18	I.BLK	PS028023.D	23 Oct 2024 18:14	AR\AJ	Ok
19	HSTDCCC750	PS028024.D	23 Oct 2024 18:38	AR\AJ	Ok,M
20	P4468-03	PS028025.D	23 Oct 2024 19:02	AR\AJ	Ok,M
21	P4468-05	PS028026.D	23 Oct 2024 19:26	AR\AJ	Ok

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102324

Review By	Abdul	Review On	10/24/2024 2:22:53 PM		
Supervise By	Ankita	Supervise On	10/24/2024 2:25:32 PM		
SubDirectory	PS102324	HP Acquire Method		HP Processing Method	ps102324 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4467-01	PS028027.D	23 Oct 2024 19:50	AR\AJ	Ok
23	I.BLK	PS028028.D	24 Oct 2024 01:27	AR\AJ	Ok
24	HSTDCCC750	PS028029.D	24 Oct 2024 01:51	AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102424

Review By	Abdul	Review On	10/25/2024 3:28:01 PM		
Supervise By	Ankita	Supervise On	10/28/2024 9:12:45 AM		
SubDirectory	PS102424	HP Acquire Method		HP Processing Method	ps102324 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS028030.D	24 Oct 2024 09:02	AR\AJ	Ok
2	I.BLK	PS028031.D	24 Oct 2024 09:26	AR\AJ	Ok,M
3	HSTDCCC750	PS028032.D	24 Oct 2024 09:50	AR\AJ	Ok
4	P4472-01	PS028033.D	24 Oct 2024 10:13	AR\AJ	Ok
5	P4472-05	PS028034.D	24 Oct 2024 10:37	AR\AJ	Ok
6	I.BLK	PS028035.D	24 Oct 2024 11:01	AR\AJ	Ok,M
7	HSTDCCC750	PS028036.D	24 Oct 2024 11:25	AR\AJ	Ok
8	PB164378BL	PS028037.D	24 Oct 2024 17:09	AR\AJ	Ok,M
9	PB164378BS	PS028038.D	24 Oct 2024 17:33	AR\AJ	Ok
10	PB164261TB	PS028039.D	24 Oct 2024 17:57	AR\AJ	Not Ok
11	PB164336TB	PS028040.D	24 Oct 2024 18:21	AR\AJ	Not Ok
12	P4397-06	PS028041.D	24 Oct 2024 18:45	AR\AJ	Ok,M
13	P4397-06MS	PS028042.D	24 Oct 2024 19:09	AR\AJ	Ok,M
14	P4397-06MSD	PS028043.D	24 Oct 2024 19:32	AR\AJ	Ok,M
15	P4460-04	PS028044.D	24 Oct 2024 19:56	AR\AJ	Not Ok
16	P4462-02	PS028045.D	24 Oct 2024 20:20	AR\AJ	Ok
17	I.BLK	PS028046.D	24 Oct 2024 20:44	AR\AJ	Ok,M
18	HSTDCCC750	PS028047.D	24 Oct 2024 21:08	AR\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102524

Review By	Abdul	Review On	10/28/2024 9:31:35 AM		
Supervise By	Ankita	Supervise On	10/28/2024 10:48:49 AM		
SubDirectory	PS102524	HP Acquire Method		HP Processing Method	ps102324 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS028048.D	25 Oct 2024 11:18	AR\AJ	Ok
2	I.BLK	PS028049.D	25 Oct 2024 11:42	AR\AJ	Ok
3	HSTDCCC750	PS028050.D	25 Oct 2024 12:32	AR\AJ	Ok
4	P4485-01	PS028051.D	25 Oct 2024 16:25	AR\AJ	Ok,M
5	P4460-04	PS028052.D	25 Oct 2024 16:49	AR\AJ	Ok,M
6	PB164411BL	PS028053.D	25 Oct 2024 17:13	AR\AJ	Ok,M
7	PB164411BS	PS028054.D	25 Oct 2024 17:41	AR\AJ	Ok
8	I.BLK	PS028055.D	25 Oct 2024 18:05	AR\AJ	Ok
9	HSTDCCC750	PS028056.D	25 Oct 2024 18:28	AR\AJ	Ok
10	P4487-01	PS028057.D	25 Oct 2024 19:16	AR\AJ	Ok,M
11	P4487-01MS	PS028058.D	25 Oct 2024 19:40	AR\AJ	Ok,M
12	P4487-01MSD	PS028059.D	25 Oct 2024 20:04	AR\AJ	Ok,M
13	P4487-05	PS028060.D	25 Oct 2024 20:28	AR\AJ	Ok,M
14	P4508-01	PS028061.D	25 Oct 2024 20:52	AR\AJ	Ok
15	P4508-05	PS028062.D	25 Oct 2024 21:16	AR\AJ	Ok,M
16	P4508-09	PS028063.D	25 Oct 2024 21:39	AR\AJ	Ok
17	P4509-01	PS028064.D	25 Oct 2024 22:03	AR\AJ	Ok,M
18	P4545-01	PS028065.D	25 Oct 2024 22:27	AR\AJ	Ok
19	P4547-01	PS028066.D	25 Oct 2024 22:51	AR\AJ	Ok,M
20	P4547-05	PS028067.D	25 Oct 2024 23:15	AR\AJ	Ok
21	I.BLK	PS028068.D	25 Oct 2024 23:39	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102524

Review By	Abdul	Review On	10/28/2024 9:31:35 AM		
Supervise By	Ankita	Supervise On	10/28/2024 10:48:49 AM		
SubDirectory	PS102524	HP Acquire Method		HP Processing Method	ps102324 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	HSTDCCC750	PS028069.D	26 Oct 2024 00:03	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102824

Review By	Abdul	Review On	10/29/2024 8:52:20 AM		
Supervise By	Ankita	Supervise On	10/29/2024 8:52:48 AM		
SubDirectory	PS102824	HP Acquire Method		HP Processing Method	ps102324 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS028070.D	28 Oct 2024 09:44	AR\AJ	Ok
2	I.BLK	PS028071.D	28 Oct 2024 10:08	AR\AJ	Ok,M
3	HSTDCCC750	PS028072.D	28 Oct 2024 10:32	AR\AJ	Ok,M
4	PB164261TB	PS028073.D	28 Oct 2024 13:11	AR\AJ	Ok,M
5	PB164336TB	PS028074.D	28 Oct 2024 13:35	AR\AJ	Ok,M
6	I.BLK	PS028075.D	28 Oct 2024 13:59	AR\AJ	Ok
7	HSTDCCC750	PS028076.D	28 Oct 2024 17:17	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102324

Review By	Abdul	Review On	10/24/2024 2:22:53 PM		
Supervise By	Ankita	Supervise On	10/24/2024 2:25:32 PM		
SubDirectory	PS102324	HP Acquire Method		HP Processing Method	ps102324 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS028006.D	23 Oct 2024 10:40		AR\AJ	Ok
2	I.BLK	I.BLK	PS028007.D	23 Oct 2024 11:04		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS028008.D	23 Oct 2024 11:28		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS028009.D	23 Oct 2024 11:52		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS028010.D	23 Oct 2024 12:16		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS028011.D	23 Oct 2024 12:40		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS028012.D	23 Oct 2024 13:04		AR\AJ	Ok
8	HSTDICV750	ICVPS102324	PS028013.D	23 Oct 2024 13:28		AR\AJ	Ok
9	I.BLK	I.BLK	PS028014.D	23 Oct 2024 14:14		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS028015.D	23 Oct 2024 14:38		AR\AJ	Ok,M
11	P4443-01	OG-315-HR-502-COMF	PS028016.D	23 Oct 2024 15:02		AR\AJ	Ok,M
12	P4443-06	OG-315-HR-502-COMF	PS028017.D	23 Oct 2024 15:26		AR\AJ	Ok,M
13	P4458-01	280517	PS028018.D	23 Oct 2024 15:49		AR\AJ	Ok,M
14	P4458-01MS	280517MS	PS028019.D	23 Oct 2024 16:13	Some compound recovery fail	AR\AJ	Ok,M
15	P4458-01MSD	280517MSD	PS028020.D	23 Oct 2024 16:37	Some compound recovery fail , RPD is high in MCPA	AR\AJ	Ok,M
16	PB174307BL	PB174307BL	PS028021.D	23 Oct 2024 17:01	Typo PB164307BL	AR\AJ	Ok,M
17	PB174307BS	PB174307BS	PS028022.D	23 Oct 2024 17:25	Typo PB164307BS	AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102324

Review By	Abdul	Review On	10/24/2024 2:22:53 PM		
Supervise By	Ankita	Supervise On	10/24/2024 2:25:32 PM		
SubDirectory	PS102324	HP Acquire Method		HP Processing Method	ps102324 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	I.BLK	I.BLK	PS028023.D	23 Oct 2024 18:14		AR\AJ	Ok
19	HSTDCCC750	HSTDCCC750	PS028024.D	23 Oct 2024 18:38		AR\AJ	Ok,M
20	P4468-03	ETGI-329	PS028025.D	23 Oct 2024 19:02		AR\AJ	Ok,M
21	P4468-05	ETGI-345	PS028026.D	23 Oct 2024 19:26		AR\AJ	Ok
22	P4467-01	TP-1	PS028027.D	23 Oct 2024 19:50		AR\AJ	Ok
23	I.BLK	I.BLK	PS028028.D	24 Oct 2024 01:27		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS028029.D	24 Oct 2024 01:51		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102424

Review By	Abdul	Review On	10/25/2024 3:28:01 PM		
Supervise By	Ankita	Supervise On	10/28/2024 9:12:45 AM		
SubDirectory	PS102424	HP Acquire Method		HP Processing Method	ps102324 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS028030.D	24 Oct 2024 09:02		AR\AJ	Ok
2	I.BLK	I.BLK	PS028031.D	24 Oct 2024 09:26		AR\AJ	Ok,M
3	HSTDCCC750	HSTDCCC750	PS028032.D	24 Oct 2024 09:50		AR\AJ	Ok
4	P4472-01	BP-F-28	PS028033.D	24 Oct 2024 10:13		AR\AJ	Ok
5	P4472-05	BP-F-6	PS028034.D	24 Oct 2024 10:37		AR\AJ	Ok
6	I.BLK	I.BLK	PS028035.D	24 Oct 2024 11:01		AR\AJ	Ok,M
7	HSTDCCC750	HSTDCCC750	PS028036.D	24 Oct 2024 11:25		AR\AJ	Ok
8	PB164378BL	PB164378BL	PS028037.D	24 Oct 2024 17:09		AR\AJ	Ok,M
9	PB164378BS	PB164378BS	PS028038.D	24 Oct 2024 17:33		AR\AJ	Ok
10	PB164261TB	PB164261TB	PS028039.D	24 Oct 2024 17:57	surrogate fail in 2nd column	AR\AJ	Not Ok
11	PB164336TB	PB164336TB	PS028040.D	24 Oct 2024 18:21	surrogate fail in 2nd column	AR\AJ	Not Ok
12	P4397-06	WB-301-BOT	PS028041.D	24 Oct 2024 18:45	both surrogate fail confirms with ms/msd	AR\AJ	Ok,M
13	P4397-06MS	WB-301-BOTMS	PS028042.D	24 Oct 2024 19:09	both surrogate fail , some comp recovery fails	AR\AJ	Ok,M
14	P4397-06MSD	WB-301-BOTMSD	PS028043.D	24 Oct 2024 19:32	both surrogate fail , some comp recovery fails	AR\AJ	Ok,M
15	P4460-04	WB-303-BOT	PS028044.D	24 Oct 2024 19:56	both Surrogate Fail	AR\AJ	Not Ok
16	P4462-02	C0AL2	PS028045.D	24 Oct 2024 20:20		AR\AJ	Ok
17	I.BLK	I.BLK	PS028046.D	24 Oct 2024 20:44		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102424

Review By	Abdul	Review On	10/25/2024 3:28:01 PM		
Supervise By	Ankita	Supervise On	10/28/2024 9:12:45 AM		
SubDirectory	PS102424	HP Acquire Method		HP Processing Method	ps102324 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	HSTDCCC750	HSTDCCC750	PS028047.D	24 Oct 2024 21:08		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102524

Review By	Abdul	Review On	10/28/2024 9:31:35 AM		
Supervise By	Ankita	Supervise On	10/28/2024 10:48:49 AM		
SubDirectory	PS102524	HP Acquire Method		HP Processing Method	ps102324 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS028048.D	25 Oct 2024 11:18		AR\AJ	Ok
2	I.BLK	I.BLK	PS028049.D	25 Oct 2024 11:42		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS028050.D	25 Oct 2024 12:32		AR\AJ	Ok
4	P4485-01	D20241001-01-04	PS028051.D	25 Oct 2024 16:25		AR\AJ	Ok,M
5	P4460-04	WB-303-BOT	PS028052.D	25 Oct 2024 16:49		AR\AJ	Ok,M
6	PB164411BL	PB164411BL	PS028053.D	25 Oct 2024 17:13		AR\AJ	Ok,M
7	PB164411BS	PB164411BS	PS028054.D	25 Oct 2024 17:41		AR\AJ	Ok
8	I.BLK	I.BLK	PS028055.D	25 Oct 2024 18:05		AR\AJ	Ok
9	HSTDCCC750	HSTDCCC750	PS028056.D	25 Oct 2024 18:28		AR\AJ	Ok
10	P4487-01	BP-B5	PS028057.D	25 Oct 2024 19:16		AR\AJ	Ok,M
11	P4487-01MS	BP-B5MS	PS028058.D	25 Oct 2024 19:40	Some compound recovery fail	AR\AJ	Ok,M
12	P4487-01MSD	BP-B5MSD	PS028059.D	25 Oct 2024 20:04	Some compound recovery fail	AR\AJ	Ok,M
13	P4487-05	BP-F27	PS028060.D	25 Oct 2024 20:28		AR\AJ	Ok,M
14	P4508-01	TP-3	PS028061.D	25 Oct 2024 20:52		AR\AJ	Ok
15	P4508-05	BP-F23	PS028062.D	25 Oct 2024 21:16		AR\AJ	Ok,M
16	P4508-09	BP-F22	PS028063.D	25 Oct 2024 21:39		AR\AJ	Ok
17	P4509-01	AU-06-10232024	PS028064.D	25 Oct 2024 22:03		AR\AJ	Ok,M
18	P4545-01	VNJ-215	PS028065.D	25 Oct 2024 22:27		AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102524

Review By	Abdul	Review On	10/28/2024 9:31:35 AM		
Supervise By	Ankita	Supervise On	10/28/2024 10:48:49 AM		
SubDirectory	PS102524	HP Acquire Method		HP Processing Method	ps102324 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4547-01	BP-F-21	PS028066.D	25 Oct 2024 22:51		AR\AJ	Ok,M
20	P4547-05	BP-F-20	PS028067.D	25 Oct 2024 23:15		AR\AJ	Ok
21	I.BLK	I.BLK	PS028068.D	25 Oct 2024 23:39		AR\AJ	Ok,M
22	HSTDCCC750	HSTDCCC750	PS028069.D	26 Oct 2024 00:03		AR\AJ	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS102824

Review By	Abdul	Review On	10/29/2024 8:52:20 AM		
Supervise By	Ankita	Supervise On	10/29/2024 8:52:48 AM		
SubDirectory	PS102824	HP Acquire Method		HP Processing Method	ps102324 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS028070.D	28 Oct 2024 09:44		AR\AJ	Ok
2	I.BLK	I.BLK	PS028071.D	28 Oct 2024 10:08		AR\AJ	Ok,M
3	HSTDCCC750	HSTDCCC750	PS028072.D	28 Oct 2024 10:32		AR\AJ	Ok,M
4	PB164261TB	PB164261TB	PS028073.D	28 Oct 2024 13:11		AR\AJ	Ok,M
5	PB164336TB	PB164336TB	PS028074.D	28 Oct 2024 13:35		AR\AJ	Ok,M
6	I.BLK	I.BLK	PS028075.D	28 Oct 2024 13:59		AR\AJ	Ok
7	HSTDCCC750	HSTDCCC750	PS028076.D	28 Oct 2024 17:17		AR\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164261

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 10/18/2024 **Time :** 17:00

End Prep Date : 10/19/2024 **Time :** 10:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	N/A
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Tumbler T-1 CHECKED,30 RPM. Particle size reduction is not required. p4460-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 0810	JP TCLP Room	JPP EXT
	Preparation Group	Analysis Group VOA PIG

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164261

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4397-06	WB-301-BOT	01	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4443-05	OG-315-HR-502-COMP-29	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P4443-10	OG-315-HR-502-COMP-30	03	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4458-02	280517	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4460-04	WB-303-BOT	05	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
PB164261TB	LEB261	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

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TCLP Solid Determination

PB164261

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4397-06	WB-301-BOT	N/A	N/A	N/A	N/A	100	N/A
P4443-05	OG-315-HR-502-COMP-29	N/A	N/A	N/A	N/A	100	N/A
P4443-10	OG-315-HR-502-COMP-30	N/A	N/A	N/A	N/A	100	N/A
P4458-02	280517	N/A	N/A	N/A	N/A	100	N/A
P4460-04	WB-303-BOT	N/A	N/A	N/A	N/A	100	N/A
PB164261TB	LEB261	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB164261

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4397-06	WB-301-BOT	5.02	96.5	7.4	2.5	#1	4.93
P4443-05	OG-315-HR-502-COMP-29	5.03	96.5	7.6	2.5	#1	4.93
P4443-10	OG-315-HR-502-COMP-30	5.02	96.5	6.0	2.0	#1	4.93
P4458-02	280517	5.01	96.5	7.6	2.5	#1	4.93
P4460-04	WB-303-BOT	5.02	96.5	8.4	3.0	#1	4.93
PB164261TB	LEB261	N/A	N/A	N/A	N/A	#1	4.93

P4460

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP P4397 **WorkList ID :** 184595 **Department :** TCLP Extraction **Date :** 10-18-2024 14:05:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4397-06	WB-301-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06		10/10/2024	1311
P4443-05	OG-315-HR-502-COMP-29	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311
P4443-10	OG-315-HR-502-COMP-30	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311
P4458-02	280517	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/18/2024	1311
P4460-04	WB-303-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06	K51	10/18/2024	1311

941 of 1693

Date/Time 10.18.24 16:20

Raw Sample Received by: JQ WDC)

Raw Sample Relinquished by: CP SR

Date/Time 10.18.24 18:30

Raw Sample Received by: CP SR

Raw Sample Relinquished by: JQ WDC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164378

11

SOP ID: M8151A-Herbicide-22

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RJ

Filter By: EH

pH Meter ID: N/A

Hood ID: 4,7

Extraction Start Date : 10/24/2024

Extraction Start Time : 11:28

Extraction End Date : 10/24/2024

Extraction End Time : 16:30

Concentration By: EH

Supervisor By : rajesh

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP23699
Surrogate	1.0ML	5000 PPB	PP23907
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
Ether	N/A	E3370
Acidified Na2SO4	N/A	EP2503
12N H2SO4	N/A	EP2552
NAOH 6N	N/A	EP2491
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14150
Diazomethane	N/A	EP2529
Hexane	N/A	E3816
NACL	N/A	M4459
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted with 6N NaOH>12 prior to Hydrolysis, PH adjusted with cold 12N H2SO4<2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze, 40ml Vial Lot # 03-40BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/24/24	RP (Ext. Lab)	[signature] Pest/PCB Lab
16:35	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164378

Analytical Method: M8151A-Herbicide-22

Concentration Date: 10/24/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164261TB	PB164261TB	TCLP Herbicide	100	6	RUPESH	ritesh	10			SEP-08
PB164336TB	PB164336TB	TCLP Herbicide	100	6	RUPESH	ritesh	10			9
PB164378BL	HBLK378	TCLP Herbicide	1000	6	RUPESH	ritesh	10			10
PB164378BS	HLCS378	TCLP Herbicide	1000	6	RUPESH	ritesh	10			11
P4397-06	WB-301-BOT	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		12
P4397-06MS	WB-301-BOTMS	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		13
P4397-06MSD	WB-301-BOTMSD	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		14
P4460-04	WB-303-BOT	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		15
P4462-02	C0AL2	TCLP Herbicide	100	6	RUPESH	ritesh	10	A		16

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

10/24/24

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164336

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4462-02	C0AL2	N/A	N/A	N/A	N/A	N/A	N/A	8.0	1.5	N/A
~~P4488-03~~	~~HCC-1~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~4.5~~	~~1.0~~	~~N/A~~
~~P4488-05~~	~~HCC-2~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~N/A~~	~~5.0~~	~~1.5~~	~~N/A~~
P4511-01	266	N/A	N/A	N/A	N/A	N/A	N/A	8.0	1.0	N/A
P4512-01	3140	N/A	N/A	N/A	N/A	N/A	N/A	7.6	1.5	N/A
P4512-02	3149	N/A	N/A	N/A	N/A	N/A	N/A	7.6	1.0	N/A
P4513-04	D3682	N/A	N/A	N/A	N/A	N/A	N/A	8.6	1.5	N/A
PB164336TB	LEB336	N/A	N/A	N/A	N/A	N/A	N/A	4.94	1.0	N/A

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TCLP EXTRACTION LOGPAGE

PB164261

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Pr... P...
P4397-06	WB-301-BOT	01	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-
P4443-05	OG-315-HR-502-COMP-29	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-
P4443-10	OG-315-HR-502-COMP-30	03	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-
P4458-02	280517	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4460-04	WB-303-BOT	05	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
PB164261TB	LEB261	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

10/21/2024

08:00

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

LAB CHRONICLE

OrderID:	P4460	**OrderDate:**	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	**WB-303-TOP**	**SOIL**			**10/18/24**			**10/18/24**
			PCB	8082A		10/21/24	10/21/24	
			EPH	NJEPH		10/22/24	10/23/24	
P4460-03	**WB-303-BOT**	**SOIL**			**10/18/24**			**10/18/24**
			PCB	8082A		10/21/24	10/21/24	
			EPH	NJEPH		10/22/24	10/23/24	
P4460-03DL	**WB-303-BOTDL**	**Solid**			**10/18/24**			**10/18/24**
			EPH	NJEPH		10/22/24	10/23/24	
P4460-04	**WB-303-BOT**	**TCLP**			**10/18/24**			**10/18/24**
			TCLP Herbicide	8151A		10/24/24	10/25/24	
			TCLP Pesticide	8081B		10/22/24	10/24/24	
P4460-06	**WB-303-SW**	**WATER**			**10/18/24**			**10/18/24**
			PCB	8082A		10/23/24	10/23/24	
			EPH	NJEPH		10/23/24	10/24/24	

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	51.5
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
10/22/24 09:40	10/23/24 3:41	PB164309

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.74	U	1	0.74	1.94	mg/kg	FC067489.D
Aliphatic C12-C16	Aliphatic C12-C16	1.09	J	1	0.47	1.29	mg/kg	FC067489.D
Aliphatic C16-C21	Aliphatic C16-C21	0.88	J	1	0.58	1.94	mg/kg	FC067489.D
Aliphatic C21-C28	Aliphatic C21-C28	2.69		1	1.55	2.59	mg/kg	FC067489.D
Aliphatic C28-C40	Aliphatic C28-C40	3.57	J	1	3.49	3.88	mg/kg	FC067489.D
Aromatic C10-C12	Aromatic C10-C12	0.58	U	1	0.58	1.29	mg/kg	FD048552.D
Aromatic C12-C16	Aromatic C12-C16	7.15		1	0.66	1.94	mg/kg	FD048552.D
Aromatic C16-C21	Aromatic C16-C21	5.97		1	1.86	3.23	mg/kg	FD048552.D
Aromatic C21-C36	Aromatic C21-C36	7.27		1	3.88	5.17	mg/kg	FD048552.D
Total AliphaticEPH	Total AliphaticEPH	8.23	J		6.83	11.6	mg/kg	
Total AromaticEPH	Total AromaticEPH	20.4			6.98	11.6	mg/kg	
Total EPH	Total EPH	28.6			13.8	23.3	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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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	51.5
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
FC067489.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.74	U	0.74	1.94	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1.09	J	0.47	1.29	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.88	J	0.58	1.94	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		2.69		1.55	2.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.57	J	3.49	3.88	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		25.1		40 - 140	50%	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:	P4460-02	Acq On:	23 Oct 2024 03:41
Client Sample ID:	WB-303-TOP	Operator:	YP/AJ
Data file:	FC067489.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.455	593952	4.627	300	ug/ml
Aliphatic C12-C16	6.456	9.845	1105399	8.441	200	ug/ml
Aliphatic C16-C21	9.846	13.203	895549	6.811	300	ug/ml
Aliphatic C21-C28	13.204	16.857	2636047	20.785	400	ug/ml
Aliphatic C28-C40	16.858	21.701	2902826	27.589	600	ug/ml
Aliphatic EPH	3.175	21.701	8133773	68.254		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.935	12.935	2835180	25.05		ug/ml
Aliphatic C9-C28	3.175	16.857	5230947	40.664	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	51.5
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
FD048552.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.58	U	0.58	1.29	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.15		0.66	1.94	mg/kg
Aromatic C16-C21	Aromatic C16-C21	5.97		1.86	3.23	mg/kg
Aromatic C21-C36	Aromatic C21-C36	7.27		3.88	5.17	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.3		40 - 140	109%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	57.2		40 - 140	114%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.4		40 - 140	55%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4460-02	Acq On:	23 Oct 2024 03:41
Client Sample ID:	WB-303-TOP	Operator:	YP/AJ
Data file:	FD048552.D	Misc:	
Instrument:	FID_D	ALS Vial:	65
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.096	5.814	658853	3.64	200	ug/ml
Aromatic C12-C16	5.815	8.420	10501210	55.271	300	ug/ml
Aromatic C16-C21	8.421	12.681	8242207	46.116	500	ug/ml
Aromatic C21-C36	12.682	18.086	9295778	56.215	800	ug/ml
Aromatic EPH	4.096	18.086	28698048	161.242		ug/ml
ortho-Terphenyl (SURR)	11.259	11.259	5049250	27.44		ug/ml
2-Bromonaphthalene (SURR)	7.376	7.376	8986012	54.27		ug/ml
2-Flurobiphenyl (SURR)	8.225	8.225	5934948	57.23		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
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
10/22/24 09:40	10/23/24 4:16	PB164309

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.73		1	0.47	1.25	mg/kg	FC067490.D
Aliphatic C12-C16	Aliphatic C12-C16	45.8		5	1.50	4.15	mg/kg	FC067501.D
Aliphatic C16-C21	Aliphatic C16-C21	2.34		1	0.37	1.25	mg/kg	FC067490.D
Aliphatic C21-C28	Aliphatic C21-C28	7.39		1	1.00	1.66	mg/kg	FC067490.D
Aliphatic C28-C40	Aliphatic C28-C40	3.01		1	2.24	2.49	mg/kg	FC067490.D
Aromatic C10-C12	Aromatic C10-C12	6.30		1	0.37	0.83	mg/kg	FD048553.D
Aromatic C12-C16	Aromatic C12-C16	6.32		1	0.42	1.25	mg/kg	FD048553.D
Aromatic C16-C21	Aromatic C16-C21	3.86		1	1.20	2.08	mg/kg	FD048553.D
Aromatic C21-C36	Aromatic C21-C36	6.83		1	2.49	3.32	mg/kg	FD048553.D
Total AliphaticEPH	Total AliphaticEPH	64.3			5.59	10.8	mg/kg	
Total AromaticEPH	Total AromaticEPH	23.3			4.49	7.48	mg/kg	
Total EPH	Total EPH	87.6			10.1	18.3	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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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
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
FC067490.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.73		0.47	1.25	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	43.9	E	0.30	0.83	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	2.34		0.37	1.25	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	7.39		1.00	1.66	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.01		2.24	2.49	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.5		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:	P4460-03	Acq On:	23 Oct 2024 04:16
Client Sample ID:	WB-303-BOT	Operator:	YP/AJ
Data file:	FC067490.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.455	8847442	68.93	300	ug/ml
Aliphatic C12-C16	6.456	9.845	69157418	528.09	200	ug/ml
Aliphatic C16-C21	9.846	13.203	3700773	28.148	300	ug/ml
Aliphatic C21-C28	13.204	16.857	11273146	88.888	400	ug/ml
Aliphatic C28-C40	16.858	21.701	3817553	36.283	600	ug/ml
Aliphatic EPH	3.175	21.701	96796332	750.339		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.937	12.937	4582483	40.48		ug/ml
Aliphatic C9-C28	3.175	16.857	92978779	714.056	1200	ug/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
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
FD048553.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	6.30		0.37	0.83	mg/kg
Aromatic C12-C16	Aromatic C12-C16	6.32		0.42	1.25	mg/kg
Aromatic C16-C21	Aromatic C16-C21	3.86		1.20	2.08	mg/kg
Aromatic C21-C36	Aromatic C21-C36	6.83		2.49	3.32	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	43.4		40 - 140	87%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	44.0		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.7		40 - 140	59%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4460-03	Acq On:	23 Oct 2024 04:16
Client Sample ID:	WB-303-BOT	Operator:	YP/AJ
Data file:	FD048553.D	Misc:	
Instrument:	FID_D	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.096	5.814	13713706	75.773	200	ug/ml
Aromatic C12-C16	5.815	8.420	14462543	76.121	300	ug/ml
Aromatic C16-C21	8.421	12.681	8296940	46.422	500	ug/ml
Aromatic C21-C36	12.682	18.086	13583618	82.145	800	ug/ml
Aromatic EPH	4.096	18.086	50056807	280.461		ug/ml
ortho-Terphenyl (SURR)	11.260	11.260	5458641	29.67		ug/ml
2-Bromonaphthalene (SURR)	7.375	7.375	7189130	43.42		ug/ml
2-Flurobiphenyl (SURR)	8.224	8.224	4564356	44.01		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOTDL	SDG No.:	P4460
Lab Sample ID:	P4460-03DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
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
FC067501.D	5	10/22/24	10/23/24	PB164309

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		6.26		2.37	6.23	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		45.8		1.50	4.15	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		2.84	J	1.87	6.23	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		10.1		4.99	8.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		11.2	U	11.2	12.5	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		8.15		40 - 140	82%	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:	P4460-03DL	Acq On:	23 Oct 2024 12:09
Client Sample ID:	WB-303-BOTDL	Operator:	YP/AJ
Data file:	FC067501.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.455	1934395	15.071	300	ug/ml
Aliphatic C12-C16	6.456	9.845	14452444	110.36	200	ug/ml
Aliphatic C16-C21	9.846	13.203	899790	6.844	300	ug/ml
Aliphatic C21-C28	13.204	16.857	3092667	24.386	400	ug/ml
Aliphatic C28-C40	16.858	21.701	319320	3.035	600	ug/ml
Aliphatic EPH	3.175	21.701	20698616	159.695		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.934	12.934	922727	8.15		ug/ml
Aliphatic C9-C28	3.175	16.857	20379296	156.661	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
10/23/24 09:49	10/24/24 13:25	PB164368

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.33	U	1	6.33	33.0	ug/l	FC067520.D
Aliphatic C12-C16	Aliphatic C12-C16	3.97	U	1	3.97	22.0	ug/l	FC067520.D
Aliphatic C16-C21	Aliphatic C16-C21	5.65	U	1	5.65	33.0	ug/l	FC067520.D
Aliphatic C21-C28	Aliphatic C21-C28	9.86	U	1	9.86	44.0	ug/l	FC067520.D
Aliphatic C28-C40	Aliphatic C28-C40	18.7	U	1	18.7	65.9	ug/l	FC067520.D
Aromatic C10-C12	Aromatic C10-C12	3.65	U	1	3.65	22.0	ug/l	FD048582.D
Aromatic C12-C16	Aromatic C12-C16	4.05	U	1	4.05	33.0	ug/l	FD048582.D
Aromatic C16-C21	Aromatic C16-C21	25.0	J	1	14.0	54.9	ug/l	FD048582.D
Aromatic C21-C36	Aromatic C21-C36	27.7	U	1	27.7	87.9	ug/l	FD048582.D
Total AliphaticEPH	Total AliphaticEPH	44.5	U		44.5	198	ug/l	
Total AromaticEPH	Total AromaticEPH	49.4	U		49.4	198	ug/l	
Total EPH	Total EPH	93.9	U		93.9	396	ug/l	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067520.D	1	10/23/24	10/24/24	PB164368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.33	U	6.33	33.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	3.97	U	3.97	22.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	5.65	U	5.65	33.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	9.86	U	9.86	44.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	18.7	U	18.7	65.9	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.4		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:	P4460-06	Acq On:	24 Oct 2024 13:25
Client Sample ID:	WB-303-SW	Operator:	YP/AJ
Data file:	FC067520.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.174	6.454	169569	1.252	300	ug/ml
Aliphatic C12-C16	6.455	9.844	182231	1.384	200	ug/ml
Aliphatic C16-C21	9.845	13.202	95001	0.747	300	ug/ml
Aliphatic C21-C28	13.203	16.857	47154	0.393	400	ug/ml
Aliphatic C28-C40	16.858	21.703	242462	2.398	600	ug/ml
Aliphatic EPH	3.174	21.703	736417	6.173		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.936	12.936	4359112	40.37		ug/ml
Aliphatic C9-C28	3.174	16.857	493955	3.776	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048582.D	1	10/23/24	10/24/24	PB164368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.65	U	3.65	22.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	4.05	U	4.05	33.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	25.0	J	14.0	54.9	ug/l
Aromatic C21-C36	Aromatic C21-C36	27.7	U	27.7	87.9	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.0		40 - 140	108%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	56.4		40 - 140	113%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	52.9		40 - 140	106%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4460-06	Acq On:	24 Oct 2024 13:25
Client Sample ID:	WB-303-SW	Operator:	YP/AJ
Data file:	FD048582.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	4.095	5.813	227374	1.29	200	ug/ml
Aromatic C12-C16	5.814	8.419	74019	0.418	300	ug/ml
Aromatic C16-C21	8.420	12.681	1862824	11.37	500	ug/ml
Aromatic C21-C36	12.682	18.087	1914590	12.537	800	ug/ml
Aromatic EPH	4.095	18.087	4078807	25.615		ug/ml
2-Bromonaphthalene (SURR)	7.374	7.374	8202625	54.04		ug/ml
2-Flurobiphenyl (SURR)	8.224	8.224	5535266	56.37		ug/ml
ortho-Terphenyl (SURR)	11.261	11.261	9002839	52.85		ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: P4460 SAS No.: P4460 SDG No.: P4460

Run Number: FC102224AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WB-303-TOP	50			0
WB-303-BOT	81			0
WB-303-BOTDL	82			0
WB-303-BOTMS	62			0
WB-303-BOTMSD	63			0
PB164309BL	69			0
PB164309BS	65			0
PB164309BSD	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

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: P4460 SAS No.: P4460 SDG No.: P4460

Run Number: FC102424AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
WB-303-SW	81			0
PB164368BL	75			0
PB164368BS	72			0
PB164368BSD	71			0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)

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

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: P4460 SAS No.: P4460 SDG No.: P4460

Run Number: FD102224AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WB-303-TOP	109	114	55	0
WB-303-BOT	87	88	59	0
WB-303-BOTMS	96	98	67	0
WB-303-BOTMSD	95	97	66	0
PB164309BL	93	83	81	0
PB164309BS	111	118	91	0
PB164309BSD	110	118	91	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: PORT06

Lab Code: CHEM CASE No.: P4460 SAS No.: P4460 SDG No.: P4460

Run Number: FD102424AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
WB-303-SW	108	113	106	0
PB164368BL	105	90	90	0
PB164368BS	123	127	101	0
PB164368BSD	123	127	101	0

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

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

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SOIL EPH SURROGATE RECOVERY

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

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

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P4460 **SAS No :** P4460 **SDG No:** P4460

Sample No : P4460-03MS **Datafile:** FC067492.D

Client ID : WB-303-BOTMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	12.5	5.73	13.4	62		(40-140)
Aliphatic C12-C16	8.3	43.9	52.6	105		(40-140)
Aliphatic C16-C21	12.5	2.34	20.0	141	*	(40-140)
Aliphatic C21-C28	16.6	7.39	32.0	148	*	(40-140)
Aliphatic C28-C40	24.9	3.01	33.3	121		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P4460 **SAS No :** P4460 **SDG No:** P4460

Sample No : P4460-03MSD **Datafile:** FC067493.D

Client ID : WB-303-BOTMSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD | QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	12.5	5.73	13.4	62		0 | (40-140)	25
Aliphatic C12-C16	8.3	43.9	52.0	98		7.2 | (40-140)	25
Aliphatic C16-C21	12.5	2.34	19.1	134		5.09 | (40-140)	25
Aliphatic C21-C28	16.6	7.39	30.7	140	*	5.56 | (40-140)	25
Aliphatic C28-C40	24.9	3.01	30.7	111		8.62 | (40-140)	25

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P4460 **SAS No :** P4460 **SDG No:** P4460

Sample No : P4460-03MS **Datafile:** FD048555.D

Client ID : WB-303-BOTMS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	8.3	6.30	12.6	76		(40-140)
Aromatic C12-C16	12.5	6.32	19.1	102		(40-140)
Aromatic C16-C21	20.8	3.86	25.5	104		(40-140)
Aromatic C21-C36	33.2	6.83	42.2	106		(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P4460 **SAS No :** P4460 **SDG No:** P4460

Sample No : P4460-03MSD **Datafile:** FD048556.D

Client ID : WB-303-BOTMSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	8.3	6.30	12.6	76		0 |	(40-140)	25
Aromatic C12-C16	12.5	6.32	19.2	103		0.98 |	(40-140)	25
Aromatic C16-C21	20.8	3.86	25.3	103		0.97 |	(40-140)	25
Aromatic C21-C36	33.2	6.83	41.5	104		1.9 |	(40-140)	25

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P4460 **SAS No :** P4460 **SDG No:** P4460

Sample No : PB164309BS **Datafile:** FC067486.D

Client ID : PB164309BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	5.99	60		(40-140)
Aliphatic C12-C16	6.7	5.14	77		(40-140)
Aliphatic C16-C21	10	8.64	86		(40-140)
Aliphatic C21-C28	13.3	11.7	88		(40-140)
Aliphatic C28-C40	20.0	21.2	106		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P4460 **SAS No :** P4460 **SDG No:** P4460

Sample No : PB164309BSD **Datafile:** FC067487.D

Client ID : PB164309BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD | QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10.0	5.96	60		0.636| (40-140)	50
Aliphatic C12-C16	6.7	5.14	77		0.0962|(40-140)	50
Aliphatic C16-C21	10.0	8.65	86		0.03| (40-140)	50
Aliphatic C21-C28	13.3	11.8	88		0.82| (40-140)	50
Aliphatic C28-C40	20.0	21.4	107		0.97| (40-140)	50

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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P4460 **SAS No :** P4460 **SDG No:** P4460

Sample No : PB164368BS **Datafile:** FC067518.D

Client ID : PB164368BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aliphatic C9-C12	300	176	59		(40-140)
Aliphatic C12-C16	200	159	80		(40-140)
Aliphatic C16-C21	300	281	94		(40-140)
Aliphatic C21-C28	400	391	98		(40-140)
Aliphatic C28-C40	600	692	115		(40-140)

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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P4460 **SAS No :** P4460 **SDG No:** P4460

Sample No : PB164368BSD **Datafile:** FC067519.D

Client ID : PB164368BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	300	174	58		1.2|	(40-140)	50
Aliphatic C12-C16	200	157	78		1.3|	(40-140)	50
Aliphatic C16-C21	300	277	92		1.5|	(40-140)	50
Aliphatic C21-C28	400	387	97		1.1|	(40-140)	50
Aliphatic C28-C40	600	686	114		0.581|	(40-140)	50

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P4460 **SAS No :** P4460 **SDG No:** P4460

Sample No : PB164309BS **Datafile:** FD048549.D

Client ID : PB164309BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	5.58	84		(40-140)
Aromatic C12-C16	10	8.88	89		(40-140)
Aromatic C16-C21	16.7	18.1	108		(40-140)
Aromatic C21-C36	26.6	27.4	102		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P4460 **SAS No :** P4460 **SDG No:** P4460

Sample No : PB164309BSD **Datafile:** FD048550.D

Client ID : PB164309BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD | QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	5.56	83		0.445| (40-140)	50
Aromatic C12-C16	10.0	8.89	89		0.03| (40-140)	50
Aromatic C16-C21	16.7	18.1	108		0.58| (40-140)	50
Aromatic C21-C36	26.7	27.4	102		0.76| (40-140)	50

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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P4460 **SAS No :** P4460 **SDG No:** P4460

Sample No : PB164368BS **Datafile:** FD048580.D

Client ID : PB164368BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aromatic C10-C12	200	174	87		(40-140)
Aromatic C12-C16	300	292	97		(40-140)
Aromatic C16-C21	500	610	122		(40-140)
Aromatic C21-C36	800	922	115		(40-140)

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WATER EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** P4460 **SAS No :** P4460 **SDG No:** P4460

Sample No : PB164368BSD **Datafile:** FD048581.D

Client ID : PB164368BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	200	174	87		0|	(40-140)	50
Aromatic C12-C16	300	291	97		0.309|	(40-140)	50
Aromatic C16-C21	500	610	122		0|	(40-140)	50
Aromatic C21-C36	800	923	115		0.32|	(40-140)	50

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB164309BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Instrument ID: FID_C Lab Sample ID: PB164309BL

Matrix: (soil/water) Solid Date Extracted: 10/22/2024 9:40:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
WB-303-TOP	P4460-02
WB-303-BOT	P4460-03
WB-303-BOTMS	P4460-03MS
WB-303-BOTMSD	P4460-03MSD
PB164309BS	PB164309BS
PB164309BSD	PB164309BSD

COMMENTS:

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB164368BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG NO.: P4460

Instrument ID: FID_C Lab Sample ID: PB164368BL

Matrix: (soil/water) Water Date Extracted: 10/23/2024 9:49:00

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB164368BS	PB164368BS
PB164368BSD	PB164368BSD
WB-303-SW	P4460-06

COMMENTS:

Form IV

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164309BL	SDG No.:	P4460
Lab Sample ID:	PB164309BL	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
10/22/24 09:40	10/23/24 1:18	PB164309

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	FC067485.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FC067485.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FC067485.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FC067485.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FC067485.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FD048548.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FD048548.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FD048548.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.66	mg/kg	FD048548.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.00	mg/kg	
Total EPH	Total EPH	7.12	U		7.12	12.0	mg/kg	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164309BL	SDG No.:	P4460
Lab Sample ID:	PB164309BL	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
FC067485.D	1	10/22/24	10/23/24	PB164309

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)		34.5		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:	PB164309BL	Acq On:	23 Oct 2024 01:18
Client Sample ID:	PB164309BL	Operator:	YP/AJ
Data file:	FC067485.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.455	0	0	300	ug/ml
Aliphatic C12-C16	6.456	9.845	0	0	200	ug/ml
Aliphatic C16-C21	9.846	13.203	0	0	300	ug/ml
Aliphatic C21-C28	13.204	16.857	0	0	400	ug/ml
Aliphatic C28-C40	16.858	21.701	0	0	600	ug/ml
Aliphatic EPH	3.175	21.701	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.937	12.937	3901025	34.46		ug/ml
Aliphatic C9-C28	3.175	16.857	0	0	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164309BL	SDG No.:	P4460
Lab Sample ID:	PB164309BL	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
FD048548.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.30	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.34	U	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.96	U	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.00	U	2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.5		40 - 140	93%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	41.3		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.5		40 - 140	81%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164309BL	Acq On:	23 Oct 2024 01:18
Client Sample ID:	PB164309BL	Operator:	YP/AJ
Data file:	FD048548.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.096	5.814	0	0	200	ug/ml
Aromatic C12-C16	5.815	8.420	0	0	300	ug/ml
Aromatic C16-C21	8.421	12.681	0	0	500	ug/ml
Aromatic C21-C36	12.682	18.086	0	0	800	ug/ml
Aromatic EPH	4.096	18.086	0	0		ug/ml
ortho-Terphenyl (SURR)	11.259	11.259	7455289	40.52		ug/ml
2-Bromonaphthalene (SURR)	7.372	7.372	7693093	46.46		ug/ml
2-Flurobiphenyl (SURR)	8.220	8.220	4279022	41.26		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164368BL	SDG No.:	P4460
Lab Sample ID:	PB164368BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
10/23/24 09:49	10/24/24 11:36	PB164368

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.76	U	1	5.76	30.0	ug/l	FC067517.D
Aliphatic C12-C16	Aliphatic C12-C16	3.61	U	1	3.61	20.0	ug/l	FC067517.D
Aliphatic C16-C21	Aliphatic C16-C21	5.14	U	1	5.14	30.0	ug/l	FC067517.D
Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	1	8.97	40.0	ug/l	FC067517.D
Aliphatic C28-C40	Aliphatic C28-C40	17.0	U	1	17.0	60.0	ug/l	FC067517.D
Aromatic C10-C12	Aromatic C10-C12	3.32	U	1	3.32	20.0	ug/l	FD048579.D
Aromatic C12-C16	Aromatic C12-C16	3.69	U	1	3.69	30.0	ug/l	FD048579.D
Aromatic C16-C21	Aromatic C16-C21	12.7	U	1	12.7	50.0	ug/l	FD048579.D
Aromatic C21-C36	Aromatic C21-C36	25.2	U	1	25.2	80.0	ug/l	FD048579.D
Total AliphaticEPH	Total AliphaticEPH	40.5	U		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	44.9	U		44.9	180	ug/l	
Total EPH	Total EPH	85.4	U		85.4	360	ug/l	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164368BL	SDG No.:	P4460
Lab Sample ID:	PB164368BL	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067517.D	1	10/23/24	10/24/24	PB164368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.76	U	5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	3.61	U	3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	5.14	U	5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	17.0	U	17.0	60.0	ug/l
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:	PB164368BL	Acq On:	24 Oct 2024 11:36
Client Sample ID:	PB164368BL	Operator:	YP/AJ
Data file:	FC067517.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.174	6.454	0	0	300	ug/ml
Aliphatic C12-C16	6.455	9.844	0	0	200	ug/ml
Aliphatic C16-C21	9.845	13.202	0	0	300	ug/ml
Aliphatic C21-C28	13.203	16.857	0	0	400	ug/ml
Aliphatic C28-C40	16.858	21.703	0	0	600	ug/ml
Aliphatic EPH	3.174	21.703	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.937	12.937	4069566	37.69		ug/ml
Aliphatic C9-C28	3.174	16.857	0	0	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164368BL		SDG No.:	P4460	
Lab Sample ID:	PB164368BL		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048579.D	1	10/23/24	10/24/24	PB164368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.32	U	3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	3.69	U	3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	12.7	U	12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	25.2	U	25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.5		40 - 140	105%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	44.9		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.1		40 - 140	90%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164368BL	Acq On:	24 Oct 2024 11:36
Client Sample ID:	PB164368BL	Operator:	YP/AJ
Data file:	FD048579.D	Misc:	
Instrument:	FID_D	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.095	5.813	0	0	200	ug/ml
Aromatic C12-C16	5.814	8.419	0	0	300	ug/ml
Aromatic C16-C21	8.420	12.681	0	0	500	ug/ml
Aromatic C21-C36	12.682	18.087	0	0	800	ug/ml
Aromatic EPH	4.095	18.087	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.373	7.373	7964882	52.48		ug/ml
2-Flurobiphenyl (SURR)	8.221	8.221	4405849	44.87		ug/ml
ortho-Terphenyl (SURR)	11.259	11.259	7682238	45.1		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164309BS	SDG No.:	P4460
Lab Sample ID:	PB164309BS	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
10/22/24 09:40	10/23/24 1:53	PB164309

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.99		1	0.38	1.00	mg/kg	FC067486.D
Aliphatic C12-C16	Aliphatic C12-C16	5.14		1	0.24	0.67	mg/kg	FC067486.D
Aliphatic C16-C21	Aliphatic C16-C21	8.64		1	0.30	1.00	mg/kg	FC067486.D
Aliphatic C21-C28	Aliphatic C21-C28	11.7		1	0.80	1.33	mg/kg	FC067486.D
Aliphatic C28-C40	Aliphatic C28-C40	21.2		1	1.80	2.00	mg/kg	FC067486.D
Aromatic C10-C12	Aromatic C10-C12	5.58		1	0.30	0.67	mg/kg	FD048549.D
Aromatic C12-C16	Aromatic C12-C16	8.88		1	0.34	1.00	mg/kg	FD048549.D
Aromatic C16-C21	Aromatic C16-C21	18.1		1	0.96	1.67	mg/kg	FD048549.D
Aromatic C21-C36	Aromatic C21-C36	27.4		1	2.00	2.66	mg/kg	FD048549.D
Total AliphaticEPH	Total AliphaticEPH	52.7			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	60.0			3.60	6.00	mg/kg	
Total EPH	Total EPH	113			7.12	12.0	mg/kg	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164309BS	SDG No.:	P4460
Lab Sample ID:	PB164309BS	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
FC067486.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.99		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.14		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.64		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.7		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.2		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:	PB164309BS	Acq On:	23 Oct 2024 01:53
Client Sample ID:	PB164309BS	Operator:	YP/AJ
Data file:	FC067486.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.455	11537941	89.891	300	ug/ml
Aliphatic C12-C16	6.456	9.845	10110452	77.204	200	ug/ml
Aliphatic C16-C21	9.846	13.203	17054429	129.715	300	ug/ml
Aliphatic C21-C28	13.204	16.857	22350514	176.233	400	ug/ml
Aliphatic C28-C40	16.858	21.701	33507080	318.46	600	ug/ml
Aliphatic EPH	3.175	21.701	94560416	791.504		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.936	12.936	3694096	32.64		ug/ml
Aliphatic C9-C28	3.175	16.857	61053336	473.043	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164309BS	SDG No.:	P4460
Lab Sample ID:	PB164309BS	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
FD048549.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.58		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.88		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.1		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	27.4		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.3		40 - 140	111%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	58.8		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.5		40 - 140	91%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164309BS	Acq On:	23 Oct 2024 01:53
Client Sample ID:	PB164309BS	Operator:	YP/AJ
Data file:	FD048549.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.096	5.814	15164647	83.79	200	ug/ml
Aromatic C12-C16	5.815	8.420	25335084	133.346	300	ug/ml
Aromatic C16-C21	8.421	12.681	48665677	272.289	500	ug/ml
Aromatic C21-C36	12.682	18.086	68020061	411.343	800	ug/ml
Aromatic EPH	4.096	18.086	157185469	900.768		ug/ml
2-Bromonaphthalene (SURR)	7.375	7.375	9156141	55.3		ug/ml
2-Flurobiphenyl (SURR)	8.226	8.226	6092899	58.75		ug/ml
ortho-Terphenyl (SURR)	11.262	11.262	8373445	45.51		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164368BS	SDG No.:	P4460
Lab Sample ID:	PB164368BS	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
10/23/24 09:49	10/24/24 12:12	PB164368

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	176		1	5.76	30.0	ug/l	FC067518.D
Aliphatic C12-C16	Aliphatic C12-C16	159		1	3.61	20.0	ug/l	FC067518.D
Aliphatic C16-C21	Aliphatic C16-C21	281		1	5.14	30.0	ug/l	FC067518.D
Aliphatic C21-C28	Aliphatic C21-C28	391		1	8.97	40.0	ug/l	FC067518.D
Aliphatic C28-C40	Aliphatic C28-C40	692		1	17.0	60.0	ug/l	FC067518.D
Aromatic C10-C12	Aromatic C10-C12	174		1	3.32	20.0	ug/l	FD048580.D
Aromatic C12-C16	Aromatic C12-C16	292		1	3.69	30.0	ug/l	FD048580.D
Aromatic C16-C21	Aromatic C16-C21	610		1	12.7	50.0	ug/l	FD048580.D
Aromatic C21-C36	Aromatic C21-C36	922		1	25.2	80.0	ug/l	FD048580.D
Total AliphaticEPH	Total AliphaticEPH	1700			40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	2000			44.9	180	ug/l	
Total EPH	Total EPH	3700			85.4	360	ug/l	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164368BS	SDG No.:	P4460
Lab Sample ID:	PB164368BS	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067518.D	1	10/23/24	10/24/24	PB164368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	176		5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	159		3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	281		5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	391		8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	692		17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.0		40 - 140	72%	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:	PB164368BS	Acq On:	24 Oct 2024 12:12
Client Sample ID:	PB164368BS	Operator:	YP/AJ
Data file:	FC067518.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.174	6.454	11984962	88.47	300	ug/ml
Aliphatic C12-C16	6.455	9.844	10505663	79.781	200	ug/ml
Aliphatic C16-C21	9.845	13.202	17882463	140.547	300	ug/ml
Aliphatic C21-C28	13.203	16.857	23510623	195.774	400	ug/ml
Aliphatic C28-C40	16.858	21.703	35024970	346.462	600	ug/ml
Aliphatic EPH	3.174	21.703	98908681	851.034		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.935	12.935	3890871	36.03		ug/ml
Aliphatic C9-C28	3.174	16.857	63883711	504.572	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164368BS		SDG No.:	P4460	
Lab Sample ID:	PB164368BS		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048580.D	1	10/23/24	10/24/24	PB164368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	174		3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	292		3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	610		12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	922		25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	61.6		40 - 140	123%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	63.6		40 - 140	127%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.7		40 - 140	101%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164368BS	Acq On:	24 Oct 2024 12:12
Client Sample ID:	PB164368BS	Operator:	YP/AJ
Data file:	FD048580.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.095	5.813	15415078	87.485	200	ug/ml
Aromatic C12-C16	5.814	8.419	25965903	146.474	300	ug/ml
Aromatic C16-C21	8.420	12.681	50043083	305.453	500	ug/ml
Aromatic C21-C36	12.682	18.087	70444639	461.287	800	ug/ml
Aromatic EPH	4.095	18.087	161868703	1000		ug/ml
2-Bromonaphthalene (SURR)	7.375	7.375	9353560	61.63		ug/ml
2-Flurobiphenyl (SURR)	8.225	8.225	6250050	63.65		ug/ml
ortho-Terphenyl (SURR)	11.262	11.262	8632075	50.68		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164309BSD	SDG No.:	P4460
Lab Sample ID:	PB164309BSD	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
10/22/24 09:40	10/23/24 2:29	PB164309

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.96		1	0.38	1.00	mg/kg	FC067487.D
Aliphatic C12-C16	Aliphatic C12-C16	5.14		1	0.24	0.67	mg/kg	FC067487.D
Aliphatic C16-C21	Aliphatic C16-C21	8.65		1	0.30	1.00	mg/kg	FC067487.D
Aliphatic C21-C28	Aliphatic C21-C28	11.8		1	0.80	1.33	mg/kg	FC067487.D
Aliphatic C28-C40	Aliphatic C28-C40	21.4		1	1.80	2.00	mg/kg	FC067487.D
Aromatic C10-C12	Aromatic C10-C12	5.56		1	0.30	0.67	mg/kg	FD048550.D
Aromatic C12-C16	Aromatic C12-C16	8.89		1	0.34	1.00	mg/kg	FD048550.D
Aromatic C16-C21	Aromatic C16-C21	18.1		1	0.96	1.67	mg/kg	FD048550.D
Aromatic C21-C36	Aromatic C21-C36	27.4		1	2.00	2.67	mg/kg	FD048550.D
Total AliphaticEPH	Total AliphaticEPH	53.0			3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	60.0			3.60	6.01	mg/kg	
Total EPH	Total EPH	113			7.12	12.0	mg/kg	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164309BSD	SDG No.:	P4460
Lab Sample ID:	PB164309BSD	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
FC067487.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.96		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.14		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.65		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.8		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.4		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.0		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:	PB164309BSD	Acq On:	23 Oct 2024 02:29
Client Sample ID:	PB164309BSD	Operator:	YP/AJ
Data file:	FC067487.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.175	6.455	11471929	89.377	300	ug/ml
Aliphatic C12-C16	6.456	9.845	10096608	77.098	200	ug/ml
Aliphatic C16-C21	9.846	13.203	17062894	129.779	300	ug/ml
Aliphatic C21-C28	13.204	16.857	22411550	176.714	400	ug/ml
Aliphatic C28-C40	16.858	21.701	33787413	321.125	600	ug/ml
Aliphatic EPH	3.175	21.701	94830394	794.094		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.936	12.936	3849203	34.01		ug/ml
Aliphatic C9-C28	3.175	16.857	61042981	472.968	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164309BSD	SDG No.:	P4460
Lab Sample ID:	PB164309BSD	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
FD048550.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.56		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.89		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.1		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	27.4		2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.3		40 - 140	110%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	58.8		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.5		40 - 140	91%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164309BSD	Acq On:	23 Oct 2024 02:29
Client Sample ID:	PB164309BSD	Operator:	YP/AJ
Data file:	FD048550.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	4.096	5.814	15086475	83.358	200	ug/ml
Aromatic C12-C16	5.815	8.420	25338712	133.365	300	ug/ml
Aromatic C16-C21	8.421	12.681	48490961	271.311	500	ug/ml
Aromatic C21-C36	12.682	18.086	67994853	411.191	800	ug/ml
Aromatic EPH	4.096	18.086	156911001	899.225		ug/ml
2-Bromonaphthalene (SURR)	7.376	7.376	9146806	55.25		ug/ml
2-Flurobiphenyl (SURR)	8.226	8.226	6093512	58.76		ug/ml
ortho-Terphenyl (SURR)	11.262	11.262	8378054	45.53		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164368BSD	SDG No.:	P4460
Lab Sample ID:	PB164368BSD	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
10/23/24 09:49	10/24/24 12:48	PB164368

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	174		1	5.76	30.0	ug/l	FC067519.D
Aliphatic C12-C16	Aliphatic C12-C16	157		1	3.61	20.0	ug/l	FC067519.D
Aliphatic C16-C21	Aliphatic C16-C21	277		1	5.14	30.0	ug/l	FC067519.D
Aliphatic C21-C28	Aliphatic C21-C28	387		1	8.97	40.0	ug/l	FC067519.D
Aliphatic C28-C40	Aliphatic C28-C40	686		1	17.0	60.0	ug/l	FC067519.D
Aromatic C10-C12	Aromatic C10-C12	174		1	3.32	20.0	ug/l	FD048581.D
Aromatic C12-C16	Aromatic C12-C16	291		1	3.69	30.0	ug/l	FD048581.D
Aromatic C16-C21	Aromatic C16-C21	610		1	12.7	50.0	ug/l	FD048581.D
Aromatic C21-C36	Aromatic C21-C36	923		1	25.2	80.0	ug/l	FD048581.D
Total AliphaticEPH	Total AliphaticEPH	1680			40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	2000			44.9	180	ug/l	
Total EPH	Total EPH	3680			85.4	360	ug/l	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164368BSD	SDG No.:	P4460
Lab Sample ID:	PB164368BSD	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067519.D	1	10/23/24	10/24/24	PB164368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	174		5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	157		3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	277		5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	387		8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	686		17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.7		40 - 140	71%	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:	PB164368BSD	Acq On:	24 Oct 2024 12:48
Client Sample ID:	PB164368BSD	Operator:	YP/AJ
Data file:	FC067519.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.174	6.454	11793648	87.057	300	ug/ml
Aliphatic C12-C16	6.455	9.844	10341465	78.534	200	ug/ml
Aliphatic C16-C21	9.845	13.202	17653516	138.747	300	ug/ml
Aliphatic C21-C28	13.203	16.857	23249432	193.599	400	ug/ml
Aliphatic C28-C40	16.858	21.703	34680966	343.059	600	ug/ml
Aliphatic EPH	3.174	21.703	97719027	840.997		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.935	12.935	3852811	35.68		ug/ml
Aliphatic C9-C28	3.174	16.857	63038061	497.937	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2024		Date Received:		
Client Sample ID:	PB164368BSD		SDG No.:	P4460	
Lab Sample ID:	PB164368BSD		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048581.D	1	10/23/24	10/24/24	PB164368

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	174		3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	291		3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	610		12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	923		25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	61.4		40 - 140	123%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	63.5		40 - 140	127%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.7		40 - 140	101%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB164368BSD	Acq On:	24 Oct 2024 12:48
Client Sample ID:	PB164368BSD	Operator:	YP/AJ
Data file:	FD048581.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	4.095	5.813	15383608	87.306	200	ug/ml
Aromatic C12-C16	5.814	8.419	25871704	145.942	300	ug/ml
Aromatic C16-C21	8.420	12.681	50013601	305.273	500	ug/ml
Aromatic C21-C36	12.682	18.087	70501256	461.658	800	ug/ml
Aromatic EPH	4.095	18.087	161770169	1000		ug/ml
2-Bromonaphthalene (SURR)	7.375	7.375	9324431	61.43		ug/ml
2-Flurobiphenyl (SURR)	8.225	8.225	6235301	63.5		ug/ml
ortho-Terphenyl (SURR)	11.262	11.262	8632281	50.68		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-303-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4460-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
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
10/22/24 09:40	10/23/24 5:28	PB164309

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	13.4		1	0.47	1.25	mg/kg	FC067492.D
Aliphatic C12-C16	Aliphatic C12-C16	52.6	E	1	0.30	0.83	mg/kg	FC067492.D
Aliphatic C16-C21	Aliphatic C16-C21	20.0		1	0.37	1.25	mg/kg	FC067492.D
Aliphatic C21-C28	Aliphatic C21-C28	32.0		1	1.00	1.66	mg/kg	FC067492.D
Aliphatic C28-C40	Aliphatic C28-C40	33.3		1	2.24	2.49	mg/kg	FC067492.D
Aromatic C10-C12	Aromatic C10-C12	12.6		1	0.37	0.83	mg/kg	FD048555.D
Aromatic C12-C16	Aromatic C12-C16	19.1		1	0.42	1.25	mg/kg	FD048555.D
Aromatic C16-C21	Aromatic C16-C21	25.5		1	1.20	2.08	mg/kg	FD048555.D
Aromatic C21-C36	Aromatic C21-C36	42.2		1	2.49	3.32	mg/kg	FD048555.D
Total AliphaticEPH	Total AliphaticEPH	151			4.38	7.48	mg/kg	
Total AromaticEPH	Total AromaticEPH	99.4			4.49	7.48	mg/kg	
Total EPH	Total EPH	251			8.87	15.0	mg/kg	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-303-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4460-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
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
FC067492.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	13.4		0.47	1.25	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	52.6	E	0.30	0.83	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	20.0		0.37	1.25	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	32.0		1.00	1.66	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.3		2.24	2.49	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.9		40 - 140	62%	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:	P4460-03MS	Acq On:	23 Oct 2024 05:28
Client Sample ID:	WB-303-BOTMS	Operator:	YP/AJ
Data file:	FC067492.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	3.175	6.455	20761466	161.751	300	ug/ml
Aliphatic C12-C16	6.456	9.845	82918311	633.169	200	ug/ml
Aliphatic C16-C21	9.846	13.203	31741633	241.425	300	ug/ml
Aliphatic C21-C28	13.204	16.857	48852275	385.198	400	ug/ml
Aliphatic C28-C40	16.858	21.701	42238111	401.442	600	ug/ml
Aliphatic EPH	3.175	21.701	226511796	1820		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.935	12.935	3499428	30.92		ug/ml
Aliphatic C9-C28	3.175	16.857	184273685	1420	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-303-BOTMS	SDG No.:	P4460
Lab Sample ID:	P4460-03MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
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
FD048555.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	12.6		0.37	0.83	mg/kg
Aromatic C12-C16	Aromatic C12-C16	19.1		0.42	1.25	mg/kg
Aromatic C16-C21	Aromatic C16-C21	25.5		1.20	2.08	mg/kg
Aromatic C21-C36	Aromatic C21-C36	42.2		2.49	3.32	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.9		40 - 140	96%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	48.8		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.4		40 - 140	67%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4460-03MS	Acq On:	23 Oct 2024 05:28
Client Sample ID:	WB-303-BOTMS	Operator:	YP/AJ
Data file:	FD048555.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	4.096	5.814	27440112	151.616	200	ug/ml
Aromatic C12-C16	5.815	8.420	43822658	230.651	300	ug/ml
Aromatic C16-C21	8.421	12.681	54983413	307.637	500	ug/ml
Aromatic C21-C36	12.682	18.086	84049586	508.28	800	ug/ml
Aromatic EPH	4.096	18.086	210295769	1200		ug/ml
2-Bromonaphthalene (SURR)	7.375	7.375	7933941	47.92		ug/ml
2-Flurobiphenyl (SURR)	8.225	8.225	5063781	48.83		ug/ml
ortho-Terphenyl (SURR)	11.260	11.260	6142126	33.38		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-303-BOTMSD	SDG No.:	P4460
Lab Sample ID:	P4460-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
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
10/22/24 09:40	10/23/24 6:04	PB164309

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	13.4		1	0.47	1.25	mg/kg	FC067493.D
Aliphatic C12-C16	Aliphatic C12-C16	52.0	E	1	0.30	0.83	mg/kg	FC067493.D
Aliphatic C16-C21	Aliphatic C16-C21	19.1		1	0.37	1.25	mg/kg	FC067493.D
Aliphatic C21-C28	Aliphatic C21-C28	30.7		1	1.00	1.66	mg/kg	FC067493.D
Aliphatic C28-C40	Aliphatic C28-C40	30.7		1	2.24	2.49	mg/kg	FC067493.D
Aromatic C10-C12	Aromatic C10-C12	12.6		1	0.37	0.83	mg/kg	FD048556.D
Aromatic C12-C16	Aromatic C12-C16	19.2		1	0.42	1.25	mg/kg	FD048556.D
Aromatic C16-C21	Aromatic C16-C21	25.3		1	1.20	2.08	mg/kg	FD048556.D
Aromatic C21-C36	Aromatic C21-C36	41.5		1	2.49	3.32	mg/kg	FD048556.D
Total AliphaticEPH	Total AliphaticEPH	146			4.38	7.48	mg/kg	
Total AromaticEPH	Total AromaticEPH	98.6			4.49	7.48	mg/kg	
Total EPH	Total EPH	245			8.87	15.0	mg/kg	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-303-BOTMSD	SDG No.:	P4460
Lab Sample ID:	P4460-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
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
FC067493.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	13.4		0.47	1.25	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	52.0	E	0.30	0.83	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	19.1		0.37	1.25	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	30.7		1.00	1.66	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	30.7		2.24	2.49	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.3		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:	P4460-03MSD	Acq On:	23 Oct 2024 06:04
Client Sample ID:	WB-303-BOTMSD	Operator:	YP/AJ
Data file:	FC067493.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	3.175	6.455	20626184	160.697	300	ug/ml
Aliphatic C12-C16	6.456	9.845	82030665	626.391	200	ug/ml
Aliphatic C16-C21	9.846	13.203	30240713	230.009	300	ug/ml
Aliphatic C21-C28	13.204	16.857	46878638	369.636	400	ug/ml
Aliphatic C28-C40	16.858	21.701	38886916	369.592	600	ug/ml
Aliphatic EPH	3.175	21.701	218663116	1760		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.937	12.937	3543503	31.3		ug/ml
Aliphatic C9-C28	3.175	16.857	179776200	1390	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	WB-303-BOTMSD	SDG No.:	P4460
Lab Sample ID:	P4460-03MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
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
FD048556.D	1	10/22/24	10/23/24	PB164309

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	12.6		0.37	0.83	mg/kg
Aromatic C12-C16	Aromatic C12-C16	19.2		0.42	1.25	mg/kg
Aromatic C16-C21	Aromatic C16-C21	25.3		1.20	2.08	mg/kg
Aromatic C21-C36	Aromatic C21-C36	41.5		2.49	3.32	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.7		40 - 140	95%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	48.4		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4460-03MSD	Acq On:	23 Oct 2024 06:04
Client Sample ID:	WB-303-BOTMSD	Operator:	YP/AJ
Data file:	FD048556.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	4.096	5.814	27424014	151.527	200	ug/ml
Aromatic C12-C16	5.815	8.420	44002707	231.599	300	ug/ml
Aromatic C16-C21	8.421	12.681	54458100	304.698	500	ug/ml
Aromatic C21-C36	12.682	18.086	82550383	499.214	800	ug/ml
Aromatic EPH	4.096	18.086	208435204	1190		ug/ml
ortho-Terphenyl (SURR)	11.260	11.260	6082274	33.06		ug/ml
2-Bromonaphthalene (SURR)	7.375	7.375	7899041	47.71		ug/ml
2-Flurobiphenyl (SURR)	8.225	8.225	5015716	48.37		ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FC100224AL

AreaCount

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	36157754.000	18468554.000	7796622.000	3912320.000	2066528.000	
Aliphatic C12-C16	24671572.000	12642565.000	5319639.000	2676246.000	1382016.000	
Aliphatic C16-C21	36539622.000	18852548.000	8005327.000	4100822.000	2096729.000	
Aliphatic C21-C28	47235980.000	24590379.000	10215208.000	5219473.000	2697991.000	
Aliphatic C28-C40	57341685.000	29822245.000	12674884.000	6440179.000	3544258.000	
Aliphatic EPH	201946613.000	104376291.000	44011680.000	22349040.000	11787522.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	128354.4879996	5.284				
Aliphatic C12-C16	130957.677	4.567				
Aliphatic C16-C21	131476.1019996	5.732				
Aliphatic C21-C28	126823.664	5.15				
Aliphatic C28-C40	105215.848333	8.211				
Aliphatic EPH	121110.9372216	6.036				

Concentration

Parameter Range	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.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	FC067312.D	FC067313.D	FC067314.D	FC067315.D	FC067316.D	
Aliphatic C9-C12	120525.846666	123123.693333	129943.700000	130410.666666	137768.533333	
Aliphatic C12-C16	123357.860000	126425.650000	132990.975000	133812.300000	138201.600000	
Aliphatic C16-C21	121798.740000	125683.653333	133422.116666	136694.066666	139781.933333	

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

Inital Calibration Report for SequenceID : FC100224AL

Aliphatic C21-C28	118089.950000	122951.895000	127690.100000	130486.825000	134899.550000	
Aliphatic C28-C40	95569.475000	99407.483333	105624.033333	107336.316666	118141.933333	
Aliphatic EPH	112192.562777	115973.656666	122254.666666	124161.333333	130972.466666	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067312.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 10:32
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 01 09:09:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 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			
9) S	ortho-Terphenyl (SURR)	11.507	14031279	90.846 ug/ml
Spiked Amount	50.000		Recovery =	181.69%
12) S	1-chlorooctadecane (S...	12.944	10549566	91.667 ug/ml
Spiked Amount	50.000		Recovery =	183.33%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	11861469	92.598 ug/ml
2) T	n-Decane (C10)	4.341	12068578	92.595 ug/ml
3) T	A~Naphthalene (C11.7)	5.920	13362934	92.860 ug/ml
4) T	n-Dodecane (C12)	6.359	12227707	93.059 ug/ml
5) T	A~2-methylnaphthalene...	6.977	13024556	93.287 ug/ml
6) T	n-Tetradecane (C14)	8.152	12180763	93.109 ug/ml
7) T	n-Hexadecane (C16)	9.752	12490809	92.415 ug/ml
8) T	n-Octadecane (C18)	11.195	12572452	91.327 ug/ml
10) T	n-Eicosane (C20)	12.501	12084501	91.351 ug/ml
11) T	n-Heneicosane (C21)	13.112	11882669	91.183 ug/ml
13) T	n-Docosane (C22)	13.698	11869877	91.916 ug/ml
14) T	n-Tetracosane (C24)	14.799	11932581	92.694 ug/ml
15) T	n-Hexacosane (C26)	15.819	11803866	93.014 ug/ml
16) T	n-Octacosane (C28)	16.768	11629656	92.309 ug/ml
17) T	n-Tricontane (C30)	17.655	11716937	91.007 ug/ml
18) T	n-Dotriacontane (C32)	18.486	11186042	89.566 ug/ml
19) T	n-Tetratriacontane (C34)	19.267	9833987	89.675 ug/ml
20) T	n-Hexatriacontane (C36)	20.005	8551618	89.685 ug/ml
21) T	n-Octatriacontane (C38)	20.730	8143888	91.977 ug/ml
22) T	n-Tetracontane (C40)	21.618	7909213	91.385 ug/ml

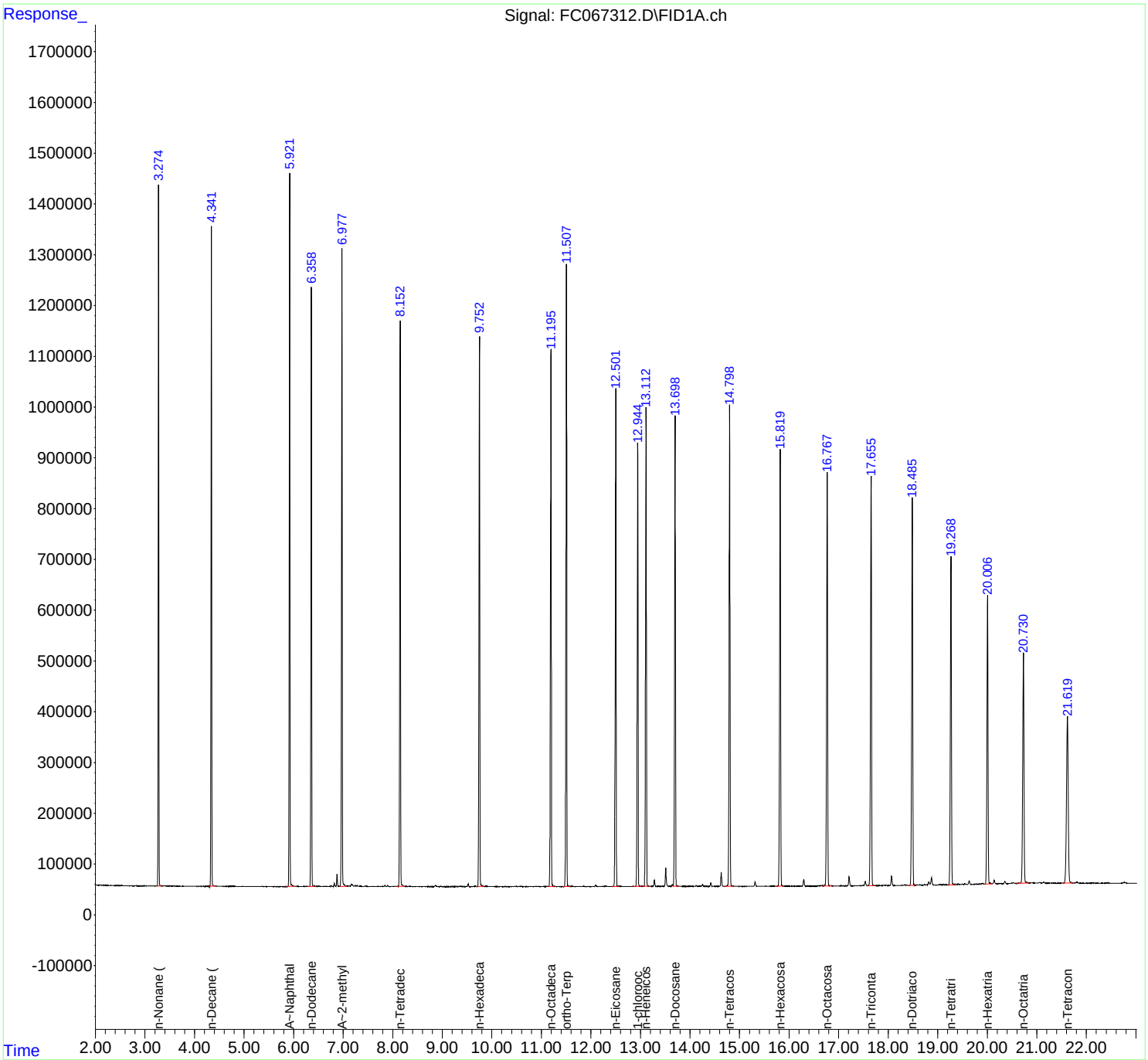
(f)=RT Delta > 1/2 Window (m)=manual int.

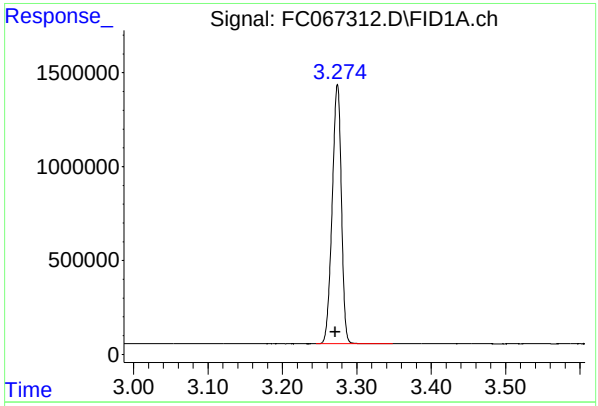
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067312.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 10:32
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 01 09:09:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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

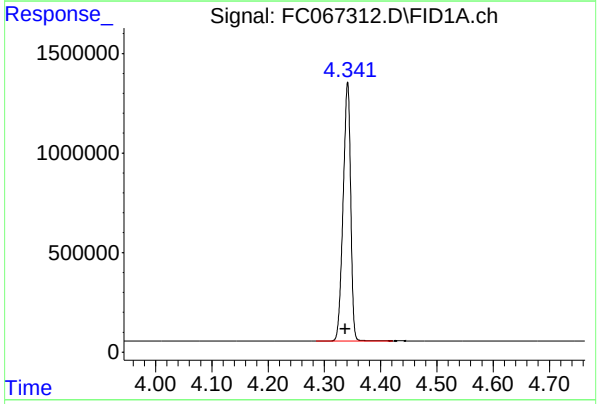




#1 n-Nonane (C9)

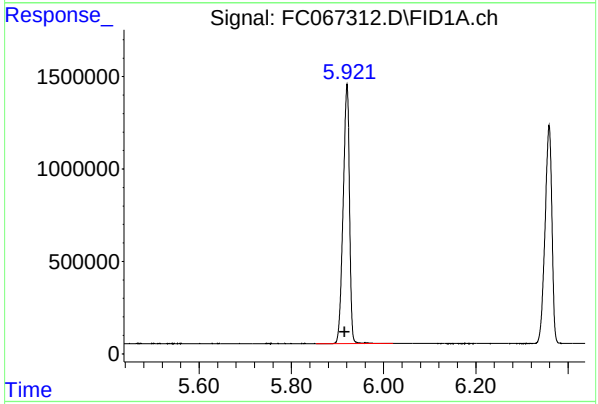
R.T.: 3.274 min
Delta R.T.: 0.003 min
Response: 11861469
Conc: 92.60 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



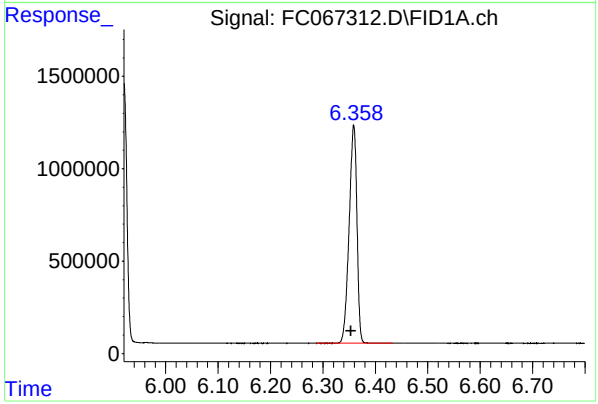
#2 n-Decane (C10)

R.T.: 4.341 min
Delta R.T.: 0.004 min
Response: 12068578
Conc: 92.59 ug/ml



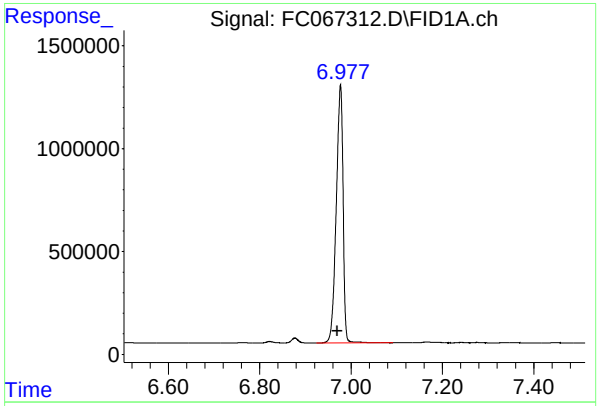
#3 A~Naphthalene (C11.7)

R.T.: 5.920 min
Delta R.T.: 0.005 min
Response: 13362934
Conc: 92.86 ug/ml



#4 n-Dodecane (C12)

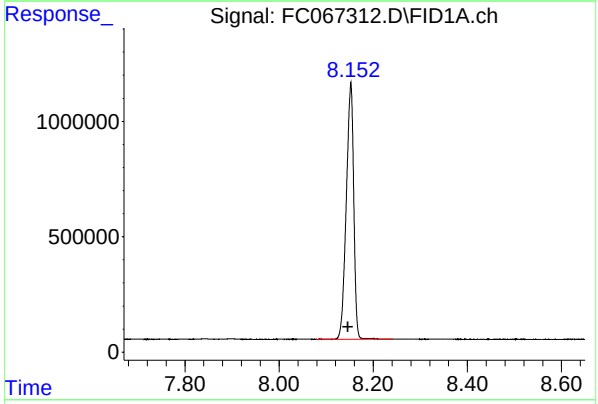
R.T.: 6.359 min
Delta R.T.: 0.005 min
Response: 12227707
Conc: 93.06 ug/ml



#5 A~2-methylnaphthalene (C12.89)

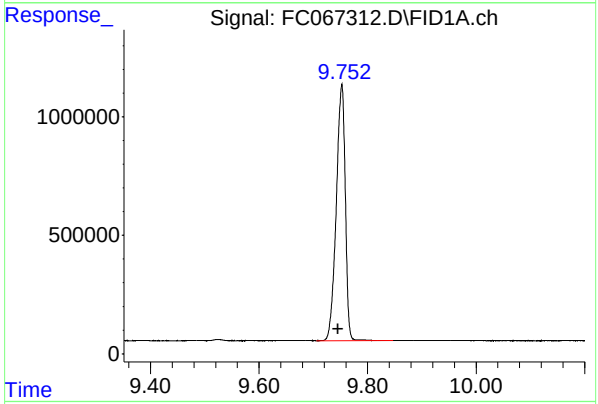
R.T.: 6.977 min
Delta R.T.: 0.007 min
Response: 13024556
Conc: 93.29 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



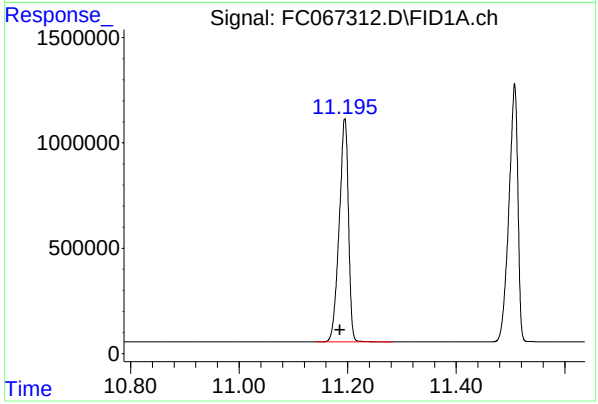
#6 n-Tetradecane (C14)

R.T.: 8.152 min
Delta R.T.: 0.006 min
Response: 12180763
Conc: 93.11 ug/ml



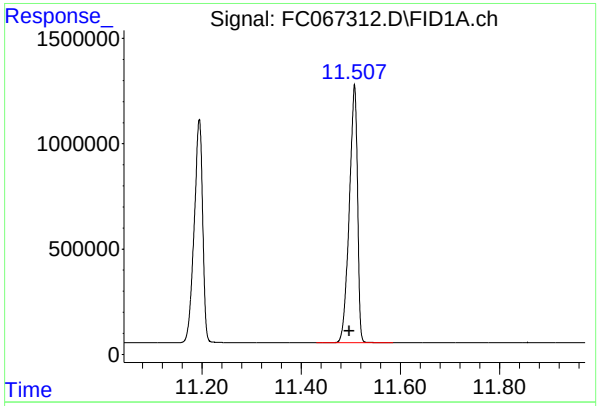
#7 n-Hexadecane (C16)

R.T.: 9.752 min
Delta R.T.: 0.007 min
Response: 12490809
Conc: 92.42 ug/ml



#8 n-Octadecane (C18)

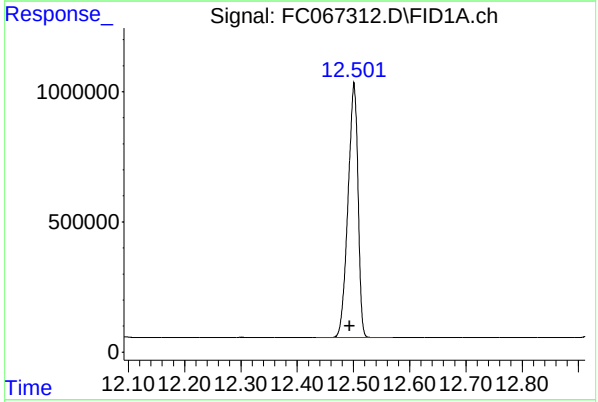
R.T.: 11.195 min
Delta R.T.: 0.008 min
Response: 12572452
Conc: 91.33 ug/ml



#9 ortho-Terphenyl (SURR)

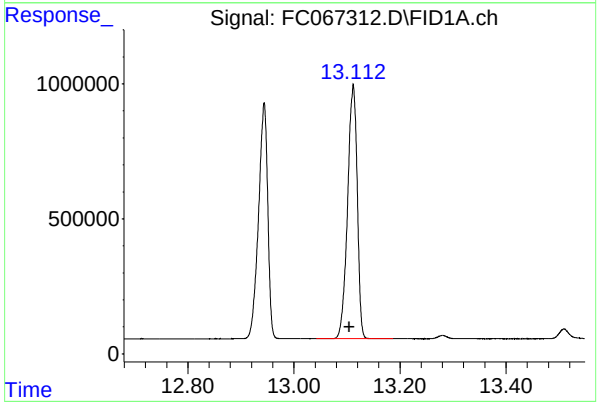
R.T.: 11.507 min
Delta R.T.: 0.010 min
Response: 14031279
Conc: 90.85 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



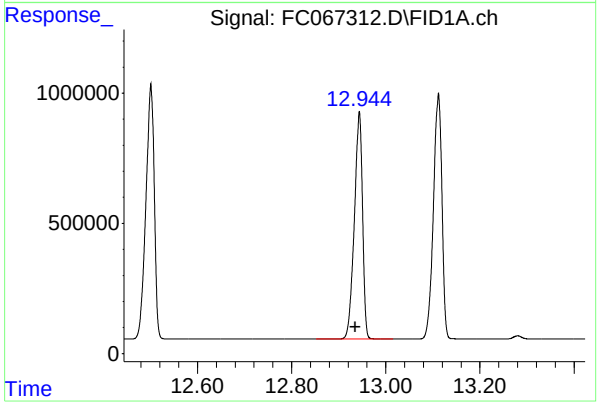
#10 n-Eicosane (C20)

R.T.: 12.501 min
Delta R.T.: 0.007 min
Response: 12084501
Conc: 91.35 ug/ml



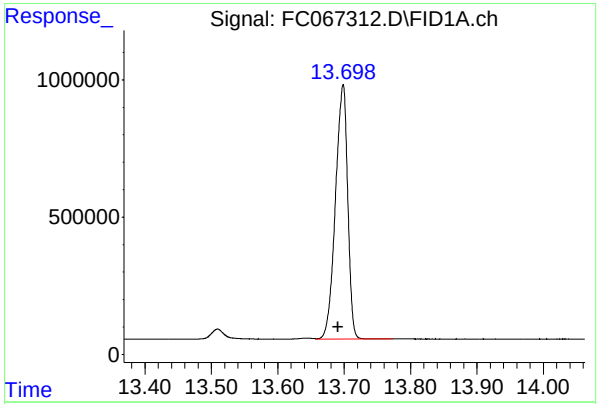
#11 n-Heneicosane (C21)

R.T.: 13.112 min
Delta R.T.: 0.007 min
Response: 11882669
Conc: 91.18 ug/ml



#12 1-chlorooctadecane (SURR)

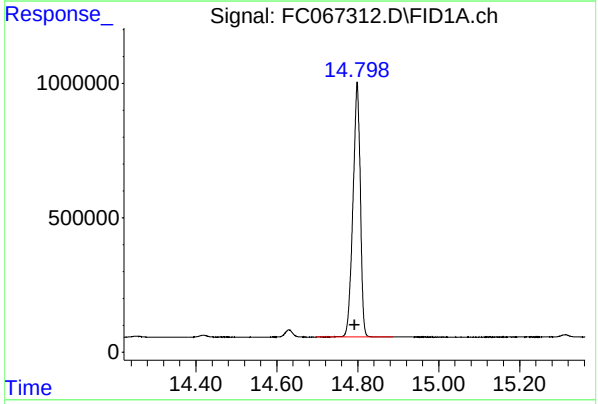
R.T.: 12.944 min
Delta R.T.: 0.008 min
Response: 10549566
Conc: 91.67 ug/ml



#13 n-Docosane (C22)

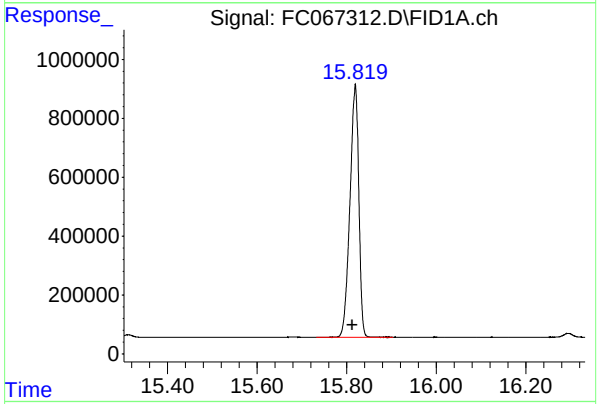
R.T.: 13.698 min
Delta R.T.: 0.007 min
Response: 11869877
Conc: 91.92 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



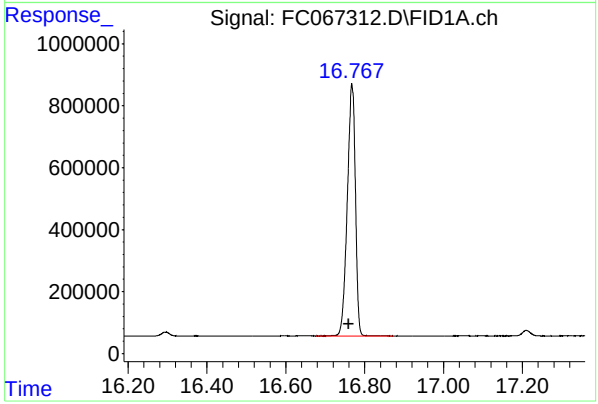
#14 n-Tetracosane (C24)

R.T.: 14.799 min
Delta R.T.: 0.007 min
Response: 11932581
Conc: 92.69 ug/ml



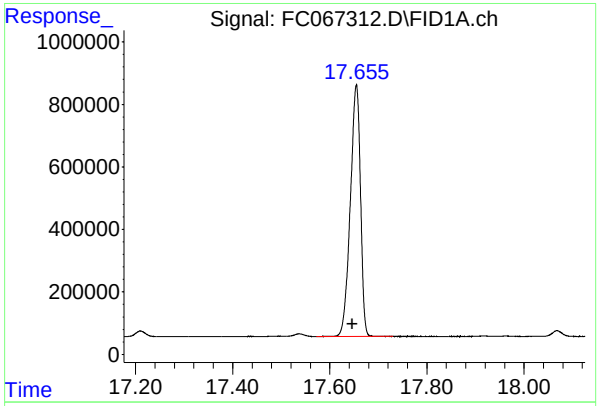
#15 n-Hexacosane (C26)

R.T.: 15.819 min
Delta R.T.: 0.007 min
Response: 11803866
Conc: 93.01 ug/ml



#16 n-Octacosane (C28)

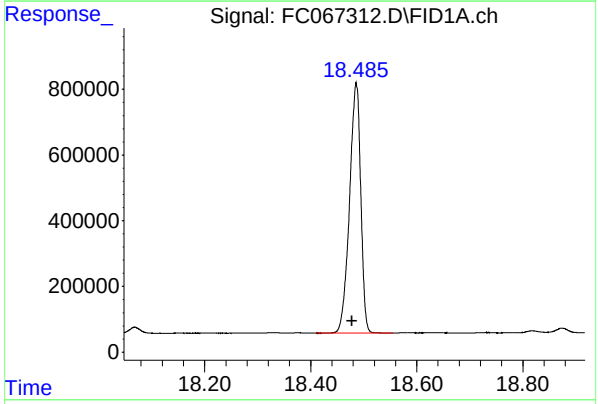
R.T.: 16.768 min
Delta R.T.: 0.008 min
Response: 11629656
Conc: 92.31 ug/ml



#17 n-Tricontane (C30)

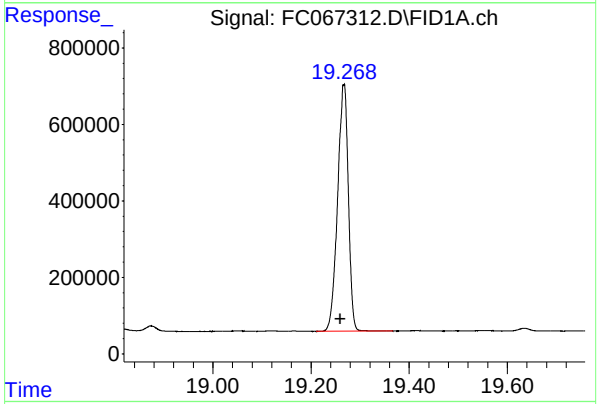
R.T.: 17.655 min
Delta R.T.: 0.009 min
Response: 11716937
Conc: 91.01 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



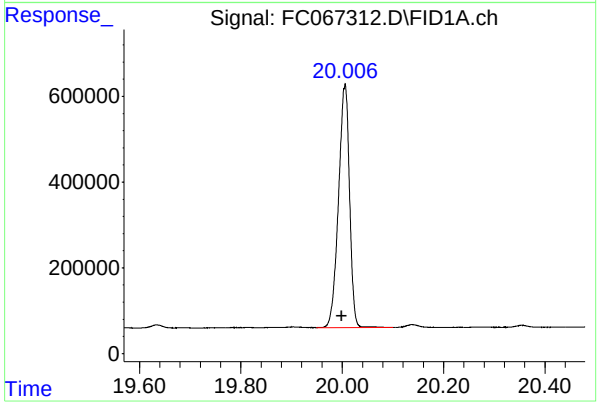
#18 n-Dotriacontane (C32)

R.T.: 18.486 min
Delta R.T.: 0.008 min
Response: 11186042
Conc: 89.57 ug/ml



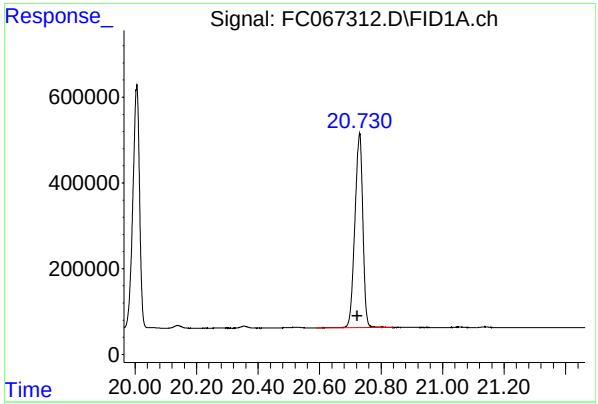
#19 n-Tetratriacontane (C34)

R.T.: 19.267 min
Delta R.T.: 0.007 min
Response: 9833987
Conc: 89.67 ug/ml



#20 n-Hexatriacontane (C36)

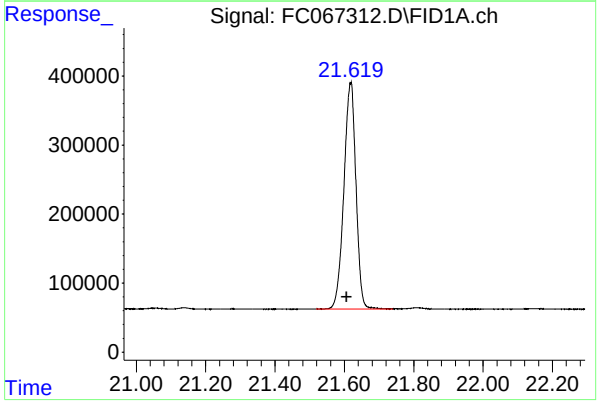
R.T.: 20.005 min
Delta R.T.: 0.006 min
Response: 8551618
Conc: 89.68 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.730 min
Delta R.T.: 0.007 min
Response: 8143888
Conc: 91.98 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.618 min
Delta R.T.: 0.011 min
Response: 7909213
Conc: 91.39 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067312.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 10:32
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.245	3.348	BB	1383198	11861469	84.54%	4.690%
2	4.341	4.285	4.422	BB	1311158	12068578	86.01%	4.772%
3	5.920	5.853	6.020	BB	1395892	13362934	95.24%	5.284%
4	6.359	6.287	6.433	BB	1182095	12227707	87.15%	4.835%
5	6.977	6.923	7.092	BV	1262404	13024556	92.83%	5.150%
6	8.152	8.078	8.242	BB	1106375	12180763	86.81%	4.816%
7	9.752	9.705	9.847	BB	1075584	12490809	89.02%	4.939%
8	11.195	11.142	11.283	BB	1062471	12572452	89.60%	4.971%
9	11.507	11.430	11.585	BB	1222706	14031279	100.00%	5.548%
10	12.501	12.433	12.570	BB	971541	12084501	86.13%	4.778%
11	12.944	12.852	13.015	BB	876626	10549566	75.19%	4.171%
12	13.112	13.042	13.187	BB	943769	11882669	84.69%	4.698%
13	13.698	13.658	13.773	VB	931064	11869877	84.60%	4.693%
14	14.799	14.697	14.887	BB	947814	11932581	85.04%	4.718%
15	15.819	15.732	15.903	BB	851235	11803866	84.13%	4.667%
16	16.768	16.677	16.872	BB	807852	11629656	82.88%	4.598%
17	17.655	17.572	17.730	PB	806791	11716937	83.51%	4.633%
18	18.486	18.410	18.555	BV	761825	11186042	79.72%	4.423%
19	19.267	19.210	19.367	BB	643849	9833987	70.09%	3.888%
20	20.005	19.948	20.100	BB	565289	8551618	60.95%	3.381%
21	20.730	20.588	20.838	BV	454057	8143888	58.04%	3.220%
22	21.618	21.518	21.740	BB	326286	7909213	56.37%	3.127%
			Sum of corrected areas:			252914944		

Aliphatic EPH 100224.M Tue Oct 01 09:20:12 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067313.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:10
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

12

A B C D E F G H I J

Integration File: autoint1.e
Quant Time: Oct 01 09:10:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 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			
9) S	ortho-Terphenyl (SURR)	11.501	7231579	49.067 ug/ml
Spiked Amount	50.000		Recovery =	98.13%
12) S	1-chlorooctadecane (S...	12.939	5426500	49.202 ug/ml
Spiked Amount	50.000		Recovery =	98.40%
	Target Compounds			
1) T	n-Nonane (C9)	3.272	6059731	49.124 ug/ml
2) T	n-Decane (C10)	4.338	6163543	49.107 ug/ml
3) T	A~Naphthalene (C11.7)	5.917	6821781	49.160 ug/ml
4) T	n-Dodecane (C12)	6.355	6245280	49.239 ug/ml
5) T	A~2-methylnaphthalene...	6.972	6641948	49.224 ug/ml
6) T	n-Tetradecane (C14)	8.149	6219770	49.240 ug/ml
7) T	n-Hexadecane (C16)	9.748	6422795	49.393 ug/ml
8) T	n-Octadecane (C18)	11.188	6493088	49.304 ug/ml
10) T	n-Eicosane (C20)	12.497	6235508	49.267 ug/ml
11) T	n-Heneicosane (C21)	13.107	6123952	49.160 ug/ml
13) T	n-Docosane (C22)	13.693	6132673	49.489 ug/ml
14) T	n-Tetracosane (C24)	14.795	6211203	50.079 ug/ml
15) T	n-Hexacosane (C26)	15.814	6151165	50.225 ug/ml
16) T	n-Octacosane (C28)	16.763	6095338	50.316 ug/ml
17) T	n-Tricontane (C30)	17.650	6178045	50.245 ug/ml
18) T	n-Dotriacontane (C32)	18.481	5889852	49.755 ug/ml
19) T	n-Tetratriacontane (C34)	19.263	5143313	49.454 ug/ml
20) T	n-Hexatriacontane (C36)	20.001	4380994	48.444 ug/ml
21) T	n-Octatriacontane (C38)	20.724	4146667	48.790 ug/ml
22) T	n-Tetracontane (C40)	21.611	4083374	49.304 ug/ml

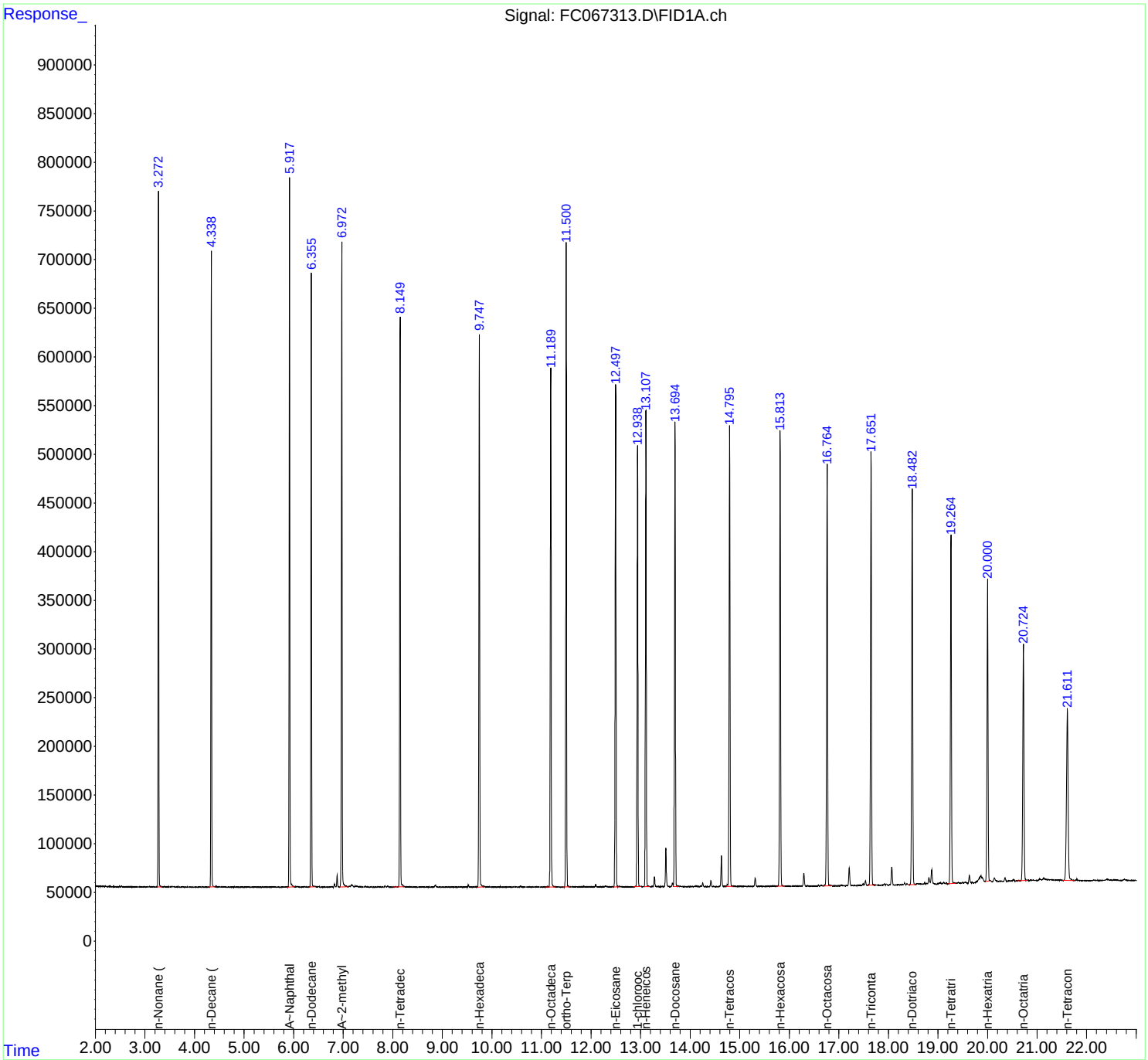
(f)=RT Delta > 1/2 Window (m)=manual int.

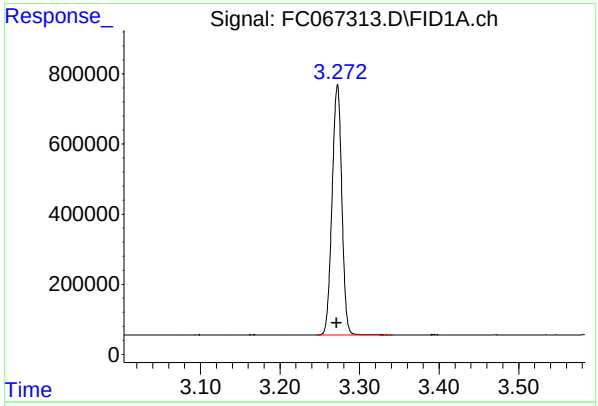
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067313.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:10
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 01 09:10:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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

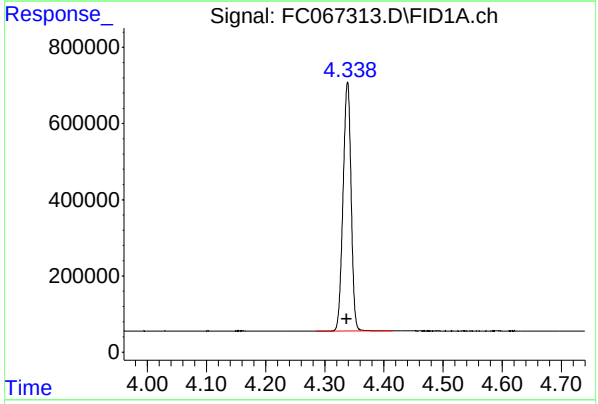




#1 n-Nonane (C9)

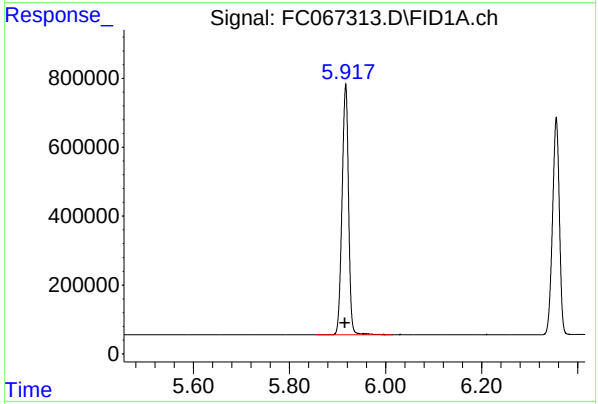
R.T.: 3.272 min
Delta R.T.: 0.001 min
Response: 6059731
Conc: 49.12 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



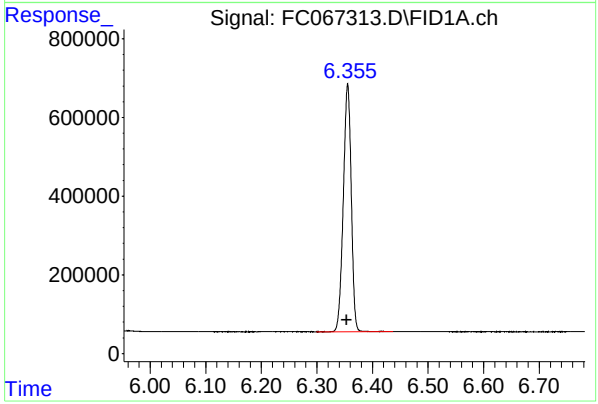
#2 n-Decane (C10)

R.T.: 4.338 min
Delta R.T.: 0.001 min
Response: 6163543
Conc: 49.11 ug/ml



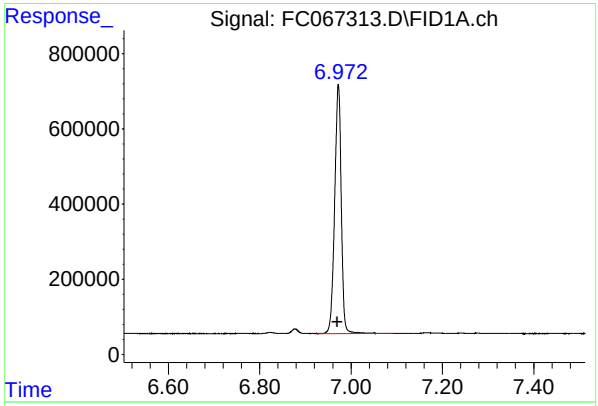
#3 A~Naphthalene (C11.7)

R.T.: 5.917 min
Delta R.T.: 0.002 min
Response: 6821781
Conc: 49.16 ug/ml



#4 n-Dodecane (C12)

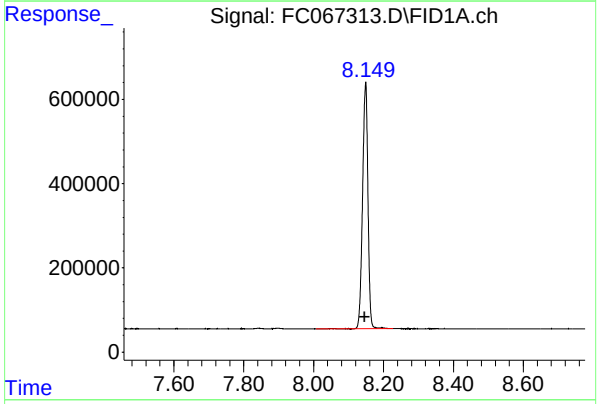
R.T.: 6.355 min
Delta R.T.: 0.002 min
Response: 6245280
Conc: 49.24 ug/ml



#5 A~2-methylnaphthalene (C12.89)

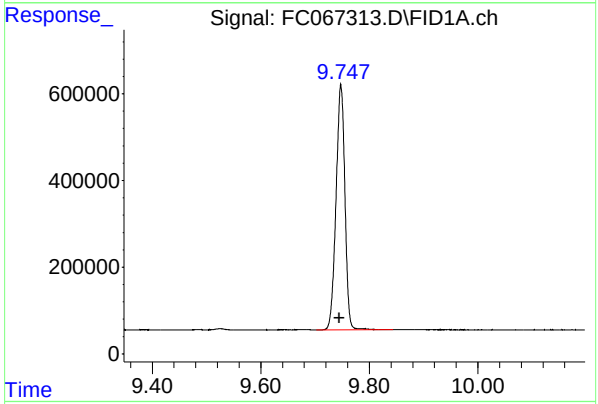
R.T.: 6.972 min
Delta R.T.: 0.002 min
Response: 6641948
Conc: 49.22 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



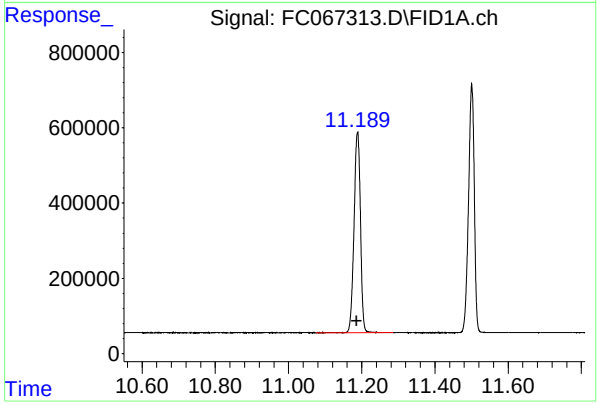
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: 0.002 min
Response: 6219770
Conc: 49.24 ug/ml



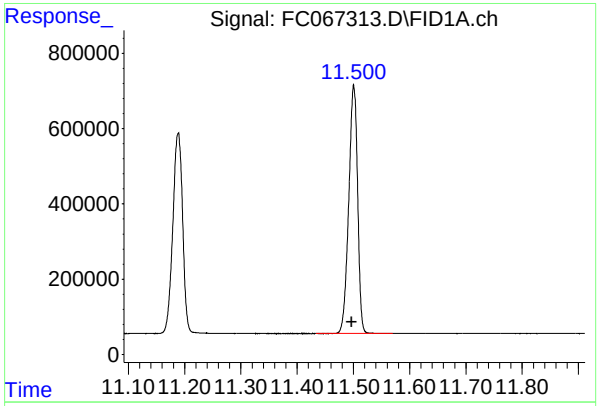
#7 n-Hexadecane (C16)

R.T.: 9.748 min
Delta R.T.: 0.003 min
Response: 6422795
Conc: 49.39 ug/ml



#8 n-Octadecane (C18)

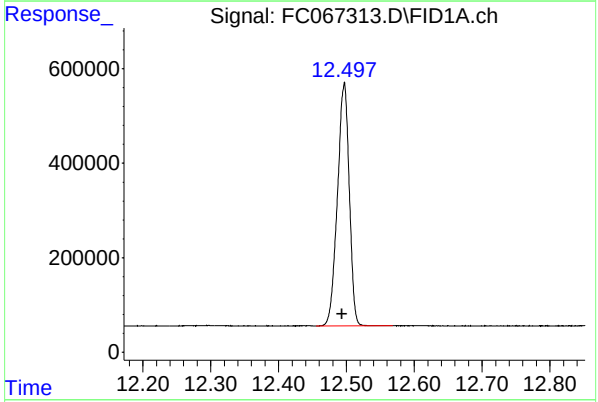
R.T.: 11.188 min
Delta R.T.: 0.002 min
Response: 6493088
Conc: 49.30 ug/ml



#9 ortho-Terphenyl (SURR)

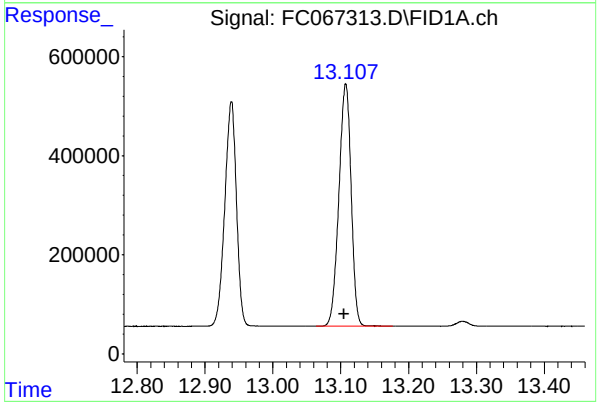
R.T.: 11.501 min
Delta R.T.: 0.004 min
Response: 7231579
Conc: 49.07 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



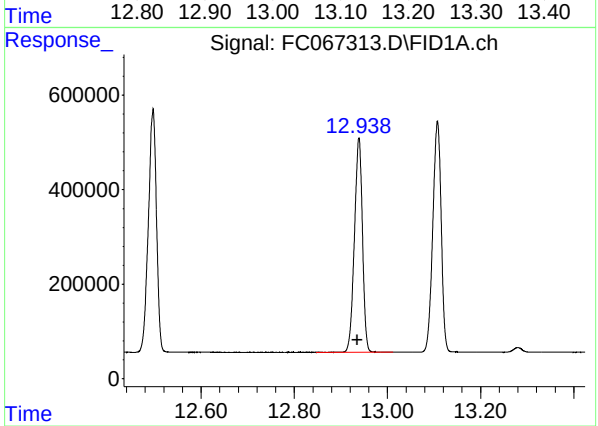
#10 n-Eicosane (C20)

R.T.: 12.497 min
Delta R.T.: 0.003 min
Response: 6235508
Conc: 49.27 ug/ml



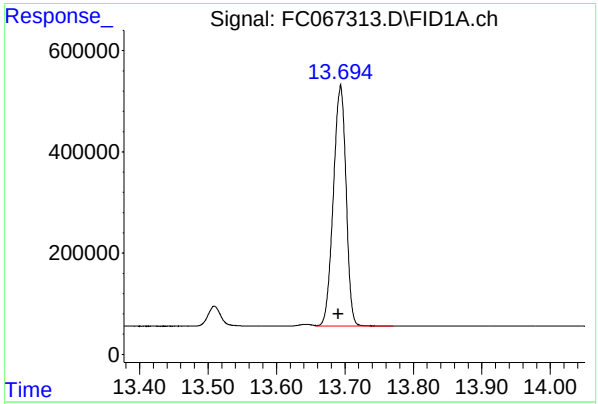
#11 n-Heneicosane (C21)

R.T.: 13.107 min
Delta R.T.: 0.003 min
Response: 6123952
Conc: 49.16 ug/ml



#12 1-chlorooctadecane (SURR)

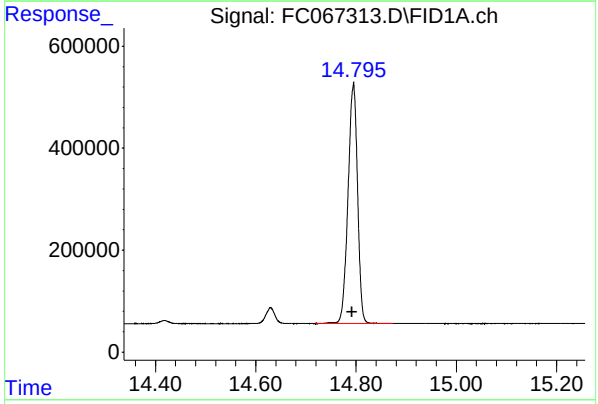
R.T.: 12.939 min
Delta R.T.: 0.003 min
Response: 5426500
Conc: 49.20 ug/ml



#13 n-Docosane (C22)

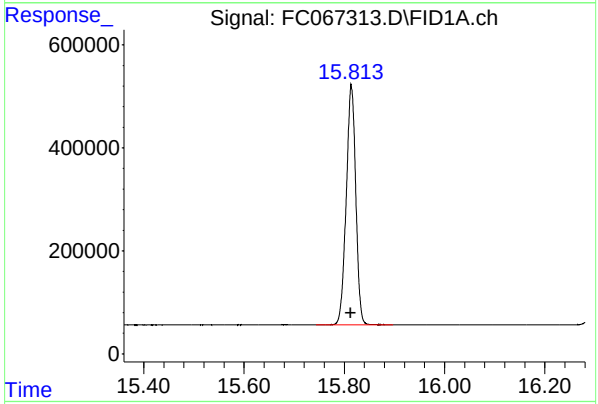
R.T.: 13.693 min
Delta R.T.: 0.003 min
Response: 6132673
Conc: 49.49 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



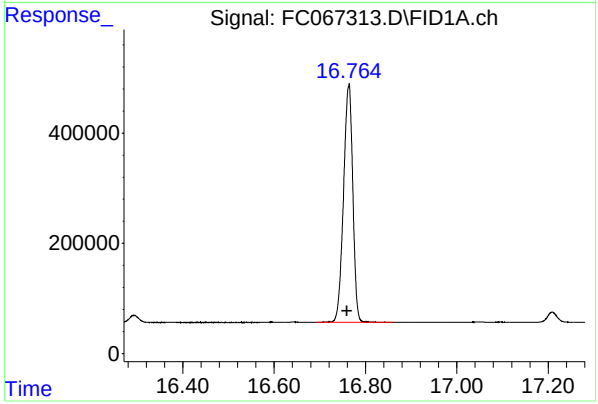
#14 n-Tetracosane (C24)

R.T.: 14.795 min
Delta R.T.: 0.003 min
Response: 6211203
Conc: 50.08 ug/ml



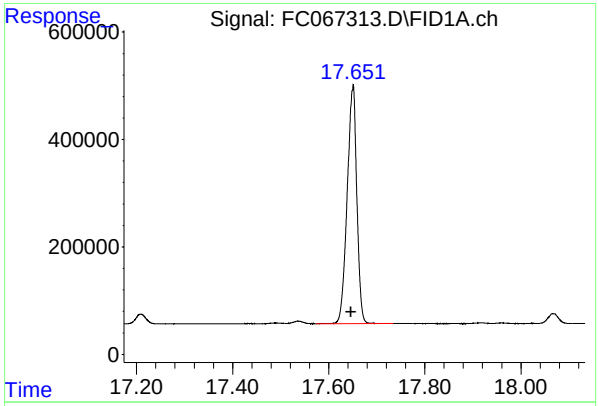
#15 n-Hexacosane (C26)

R.T.: 15.814 min
Delta R.T.: 0.002 min
Response: 6151165
Conc: 50.23 ug/ml



#16 n-Octacosane (C28)

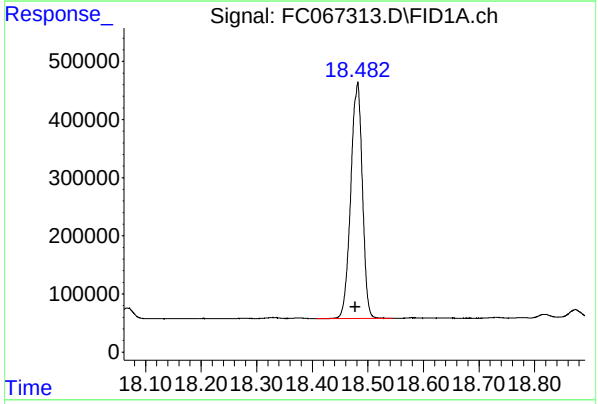
R.T.: 16.763 min
Delta R.T.: 0.004 min
Response: 6095338
Conc: 50.32 ug/ml



#17 n-Tricontane (C30)

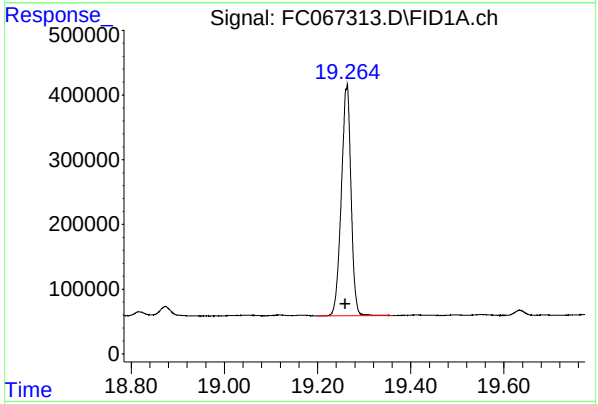
R.T.: 17.650 min
Delta R.T.: 0.004 min
Response: 6178045
Conc: 50.25 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



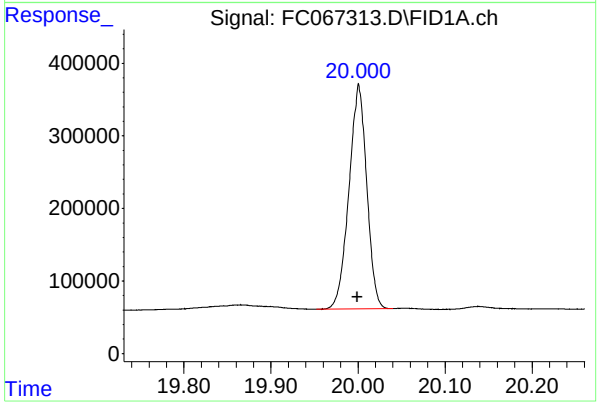
#18 n-Dotriacontane (C32)

R.T.: 18.481 min
Delta R.T.: 0.003 min
Response: 5889852
Conc: 49.76 ug/ml



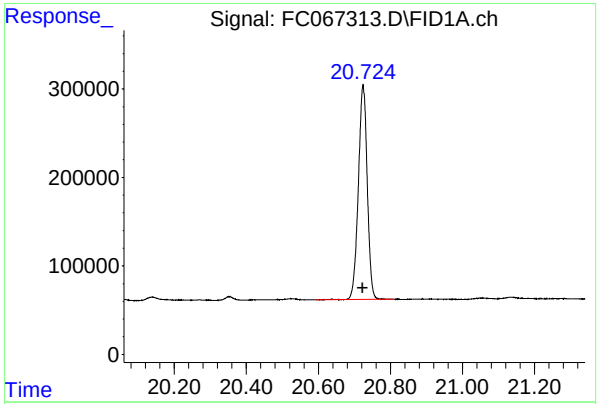
#19 n-Tetratriacontane (C34)

R.T.: 19.263 min
Delta R.T.: 0.003 min
Response: 5143313
Conc: 49.45 ug/ml



#20 n-Hexatriacontane (C36)

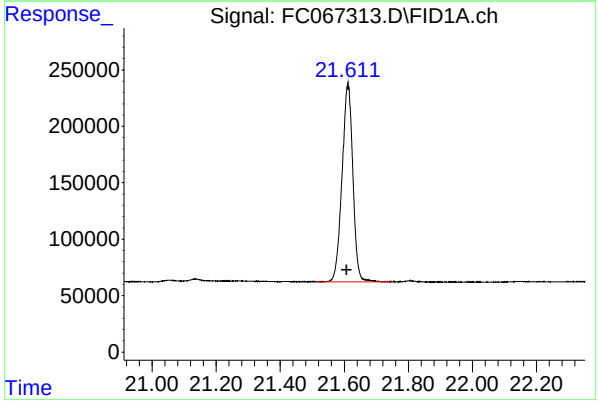
R.T.: 20.001 min
Delta R.T.: 0.002 min
Response: 4380994
Conc: 48.44 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: 0.001 min
Response: 4146667
Conc: 48.79 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.611 min
Delta R.T.: 0.004 min
Response: 4083374
Conc: 49.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067313.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:10
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.245	3.342	BB	711248	6059731	83.80%	4.644%
2	4.338	4.285	4.415	BB	654161	6163543	85.23%	4.723%
3	5.917	5.855	6.015	BB	727635	6821781	94.33%	5.227%
4	6.355	6.299	6.437	BB	629757	6245280	86.36%	4.786%
5	6.972	6.924	7.092	BV	663765	6641948	91.85%	5.090%
6	8.149	8.007	8.227	BB	582329	6219770	86.01%	4.766%
7	9.748	9.702	9.844	BB	565794	6422795	88.82%	4.922%
8	11.189	11.075	11.285	BB	532485	6493088	89.79%	4.976%
9	11.501	11.434	11.570	BB	661071	7231579	100.00%	5.542%
10	12.497	12.455	12.569	BB	514506	6235508	86.23%	4.778%
11	12.939	12.847	13.012	BB	454745	5426500	75.04%	4.158%
12	13.107	13.064	13.177	BB	490056	6123952	84.68%	4.693%
13	13.693	13.658	13.770	VB	476110	6132673	84.80%	4.699%
14	14.795	14.720	14.874	BB	473209	6211203	85.89%	4.760%
15	15.814	15.744	15.897	BB	466583	6151165	85.06%	4.714%
16	16.763	16.692	16.860	BB	430820	6095338	84.29%	4.671%
17	17.650	17.574	17.734	PB	438958	6178045	85.43%	4.734%
18	18.481	18.407	18.545	BV	399853	5889852	81.45%	4.513%
19	19.263	19.197	19.362	BB	356265	5143313	71.12%	3.941%
20	20.001	19.952	20.040	PV	308867	4380994	60.58%	3.357%
21	20.724	20.594	20.807	BB	242057	4146667	57.34%	3.178%
22	21.611	21.512	21.752	BB	176788	4083374	56.47%	3.129%
			Sum of corrected areas:			130498098		

Aliphatic EPH 100224.M Tue Oct 01 09:20:55 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067314.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:48
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 01 09:08:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 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			
9) S	ortho-Terphenyl (SURR)	11.497	3089013	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12) S	1-chlorooctadecane (S...	12.936	2301706	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	n-Nonane (C9)	3.271	2561935	20.000 ug/ml
2) T	n-Decane (C10)	4.337	2606750	20.000 ug/ml
3) T	A~Naphthalene (C11.7)	5.915	2878074	20.000 ug/ml
4) T	n-Dodecane (C12)	6.353	2627937	20.000 ug/ml
5) T	A~2-methylnaphthalene...	6.970	2792361	20.000 ug/ml
6) T	n-Tetradecane (C14)	8.146	2616449	20.000 ug/ml
7) T	n-Hexadecane (C16)	9.745	2703190	20.000 ug/ml
8) T	n-Octadecane (C18)	11.186	2753269	20.000 ug/ml
10) T	n-Eicosane (C20)	12.493	2645737	20.000 ug/ml
11) T	n-Heneicosane (C21)	13.105	2606321	20.000 ug/ml
13) T	n-Docosane (C22)	13.690	2582773	20.000 ug/ml
14) T	n-Tetracosane (C24)	14.792	2574621	20.000 ug/ml
15) T	n-Hexacosane (C26)	15.813	2538087	20.000 ug/ml
16) T	n-Octacosane (C28)	16.760	2519727	20.000 ug/ml
17) T	n-Tricontane (C30)	17.646	2574944	20.000 ug/ml
18) T	n-Dotriacontane (C32)	18.478	2497831	20.000 ug/ml
19) T	n-Tetratriacontane (C34)	19.260	2193263	20.000 ug/ml
20) T	n-Hexatriacontane (C36)	19.999	1907034	20.000 ug/ml
21) T	n-Octatriacontane (C38)	20.723	1770855	20.000 ug/ml
22) T	n-Tetracontane (C40)	21.608	1730957	20.000 ug/ml

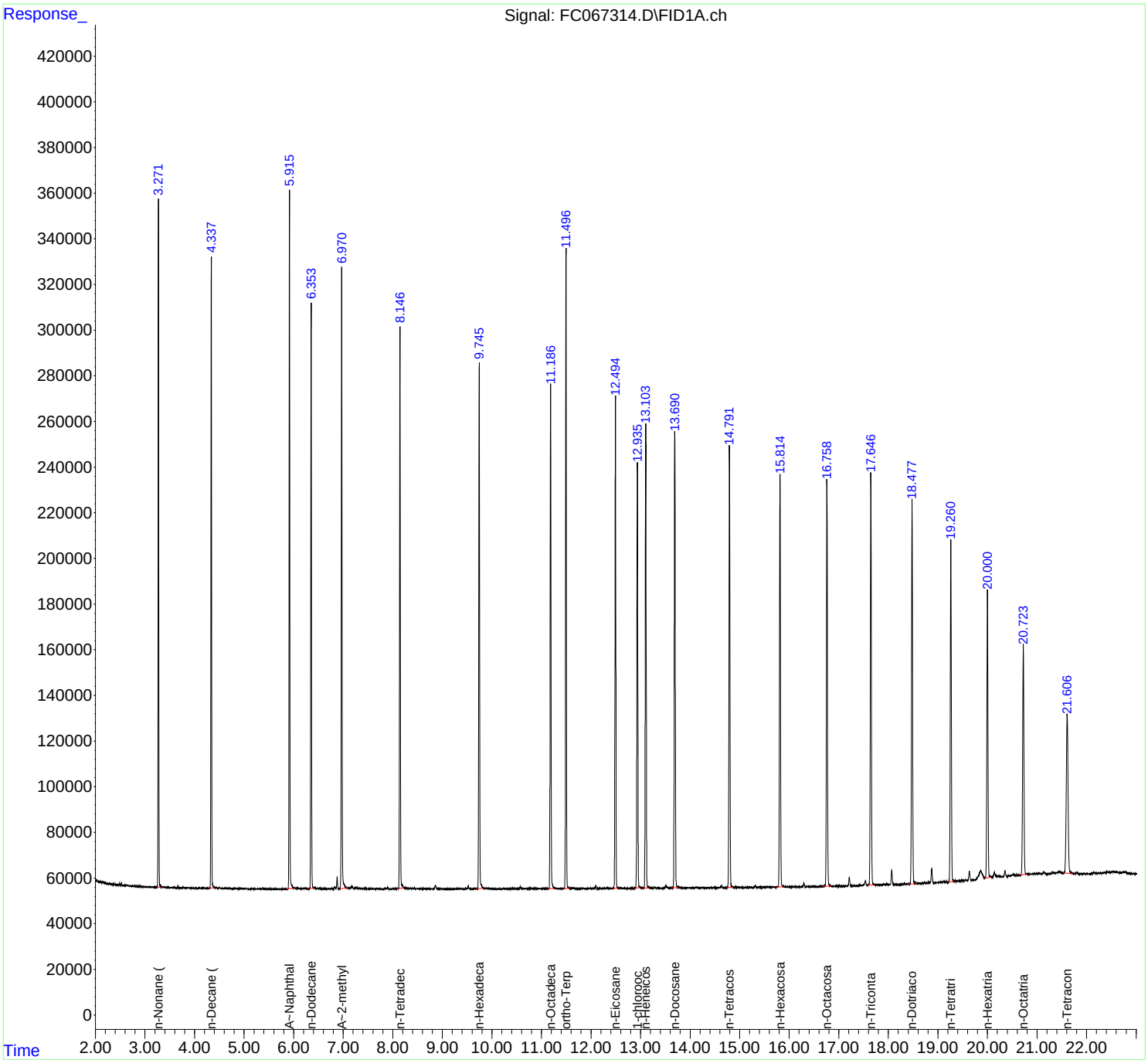
(f)=RT Delta > 1/2 Window (m)=manual int.

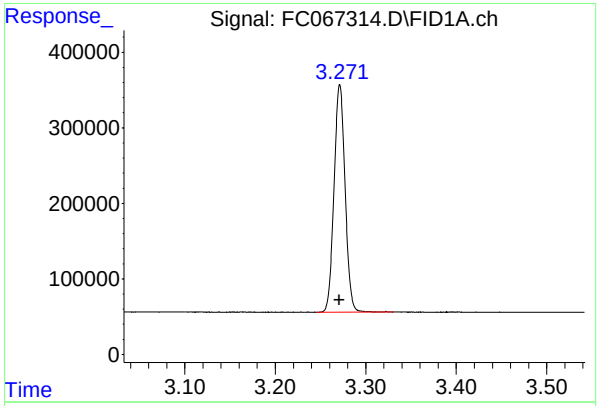
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067314.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:48
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 01 09:08:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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

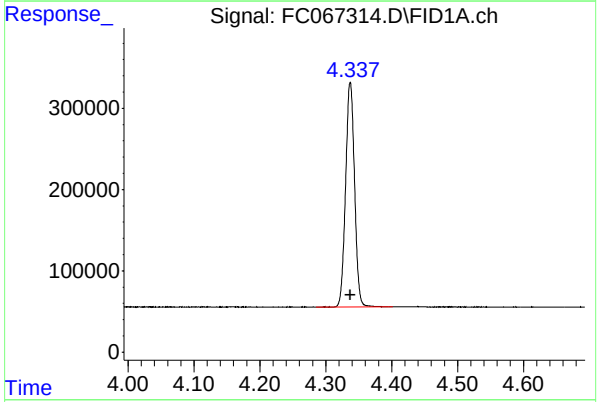




#1 n-Nonane (C9)

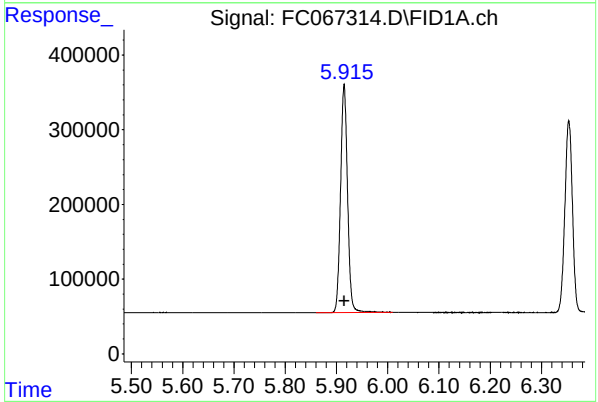
R.T.: 3.271 min
Delta R.T.: 0.000 min
Response: 2561935
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



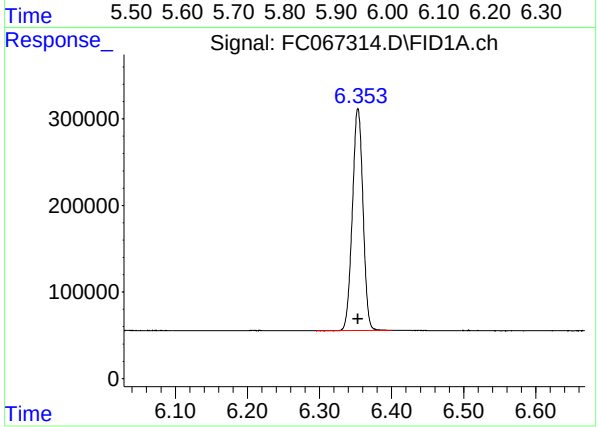
#2 n-Decane (C10)

R.T.: 4.337 min
Delta R.T.: 0.000 min
Response: 2606750
Conc: 20.00 ug/ml



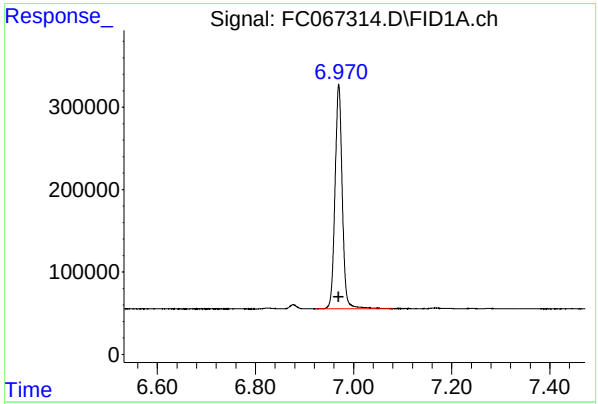
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 2878074
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

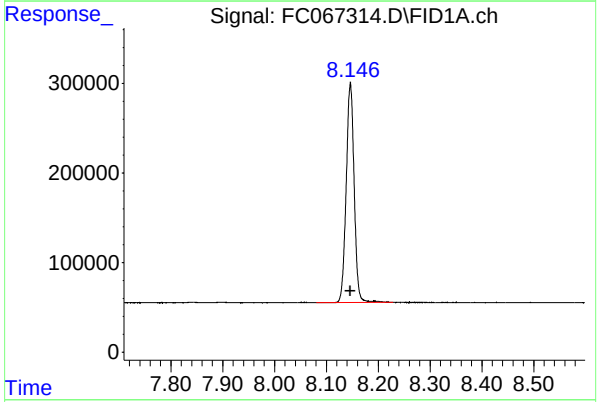
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 2627937
Conc: 20.00 ug/ml



#5 A~2-methylnaphthalene (C12.89)

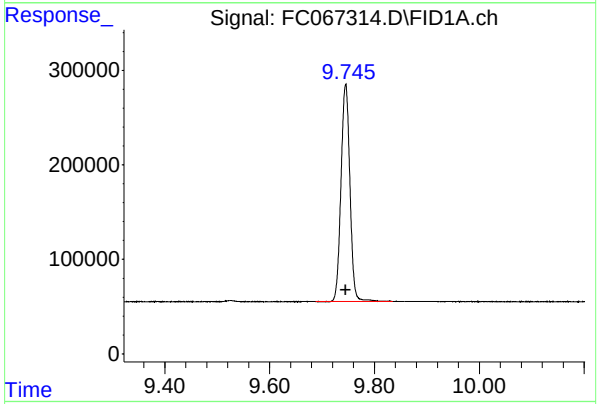
R.T.: 6.970 min
Delta R.T.: 0.000 min
Response: 2792361
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



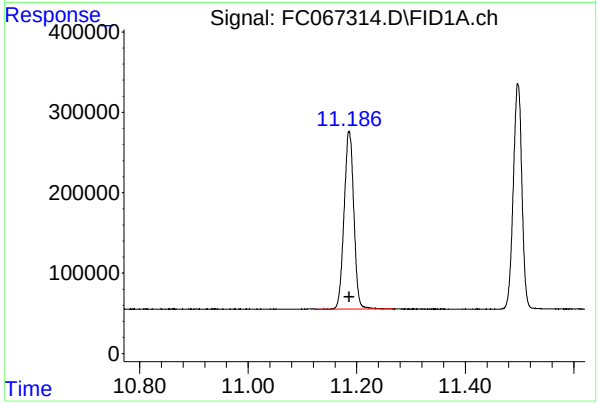
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 2616449
Conc: 20.00 ug/ml



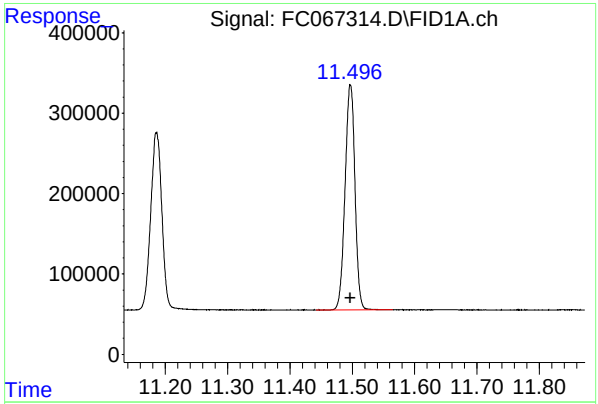
#7 n-Hexadecane (C16)

R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 2703190
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

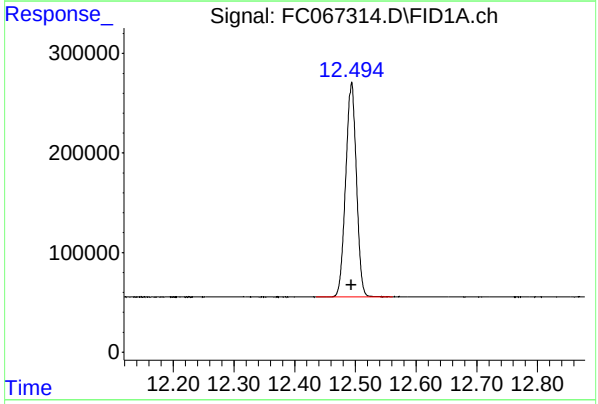
R.T.: 11.186 min
Delta R.T.: 0.000 min
Response: 2753269
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

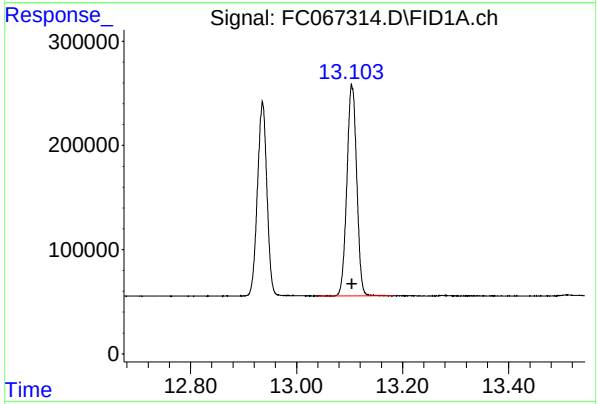
R.T.: 11.497 min
Delta R.T.: 0.000 min
Response: 3089013
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



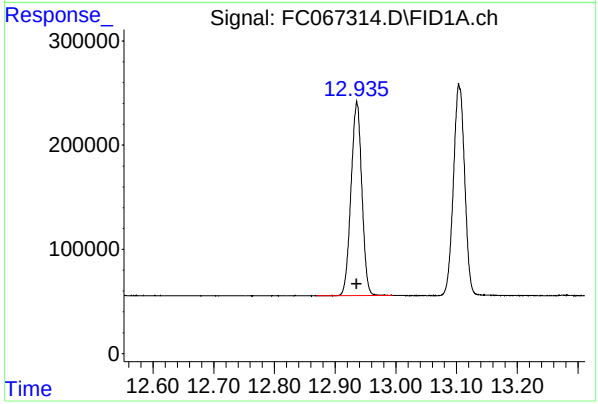
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.000 min
Response: 2645737
Conc: 20.00 ug/ml



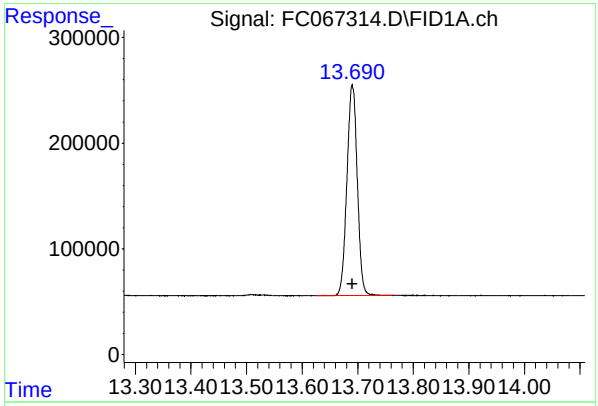
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 2606321
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

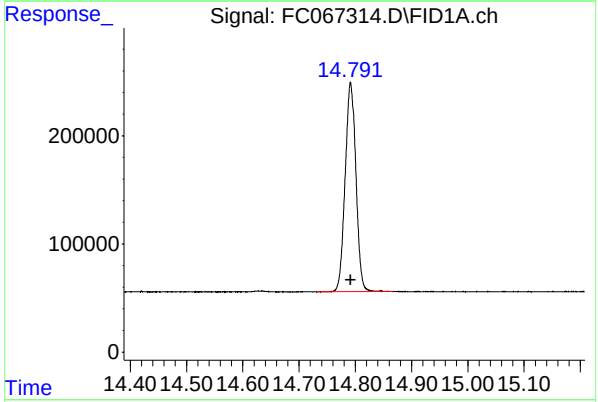
R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 2301706
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

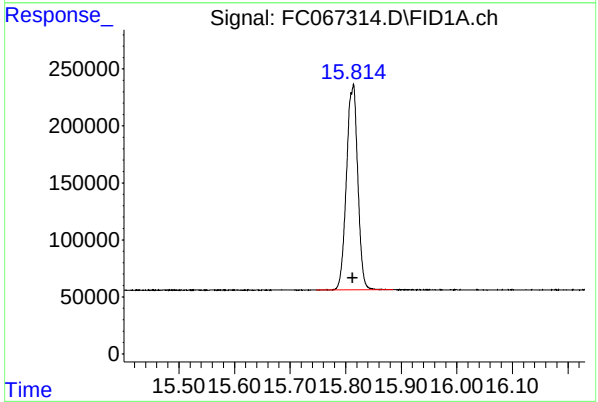
R.T.: 13.690 min
Delta R.T.: 0.000 min
Response: 2582773
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



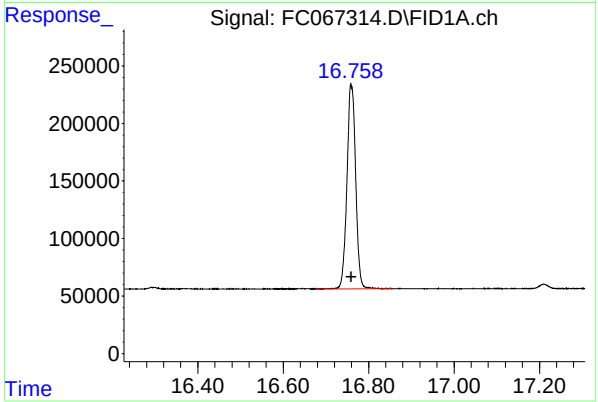
#14 n-Tetracosane (C24)

R.T.: 14.792 min
Delta R.T.: 0.000 min
Response: 2574621
Conc: 20.00 ug/ml



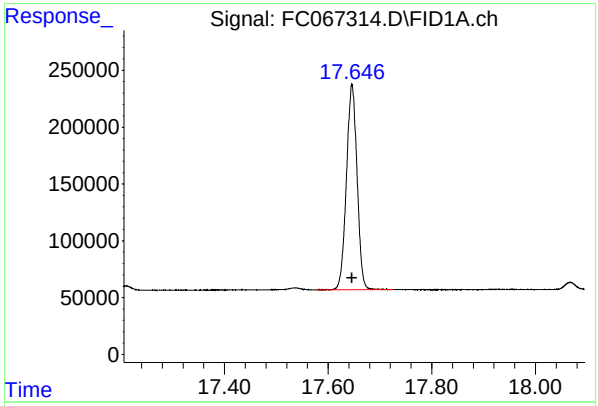
#15 n-Hexacosane (C26)

R.T.: 15.813 min
Delta R.T.: 0.000 min
Response: 2538087
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

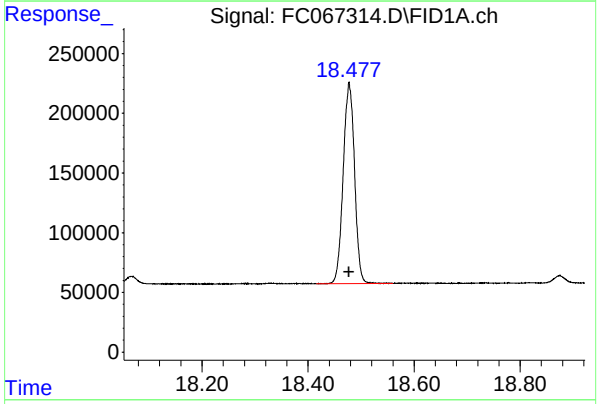
R.T.: 16.760 min
Delta R.T.: 0.000 min
Response: 2519727
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

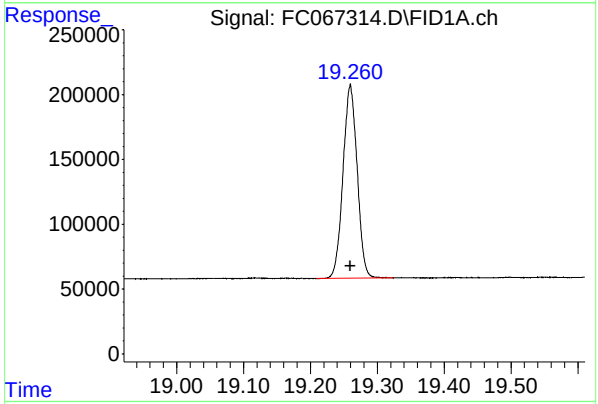
R.T.: 17.646 min
Delta R.T.: 0.000 min
Response: 2574944
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



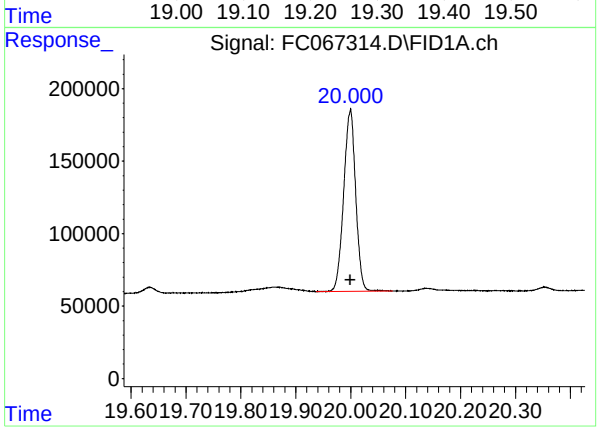
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 2497831
Conc: 20.00 ug/ml



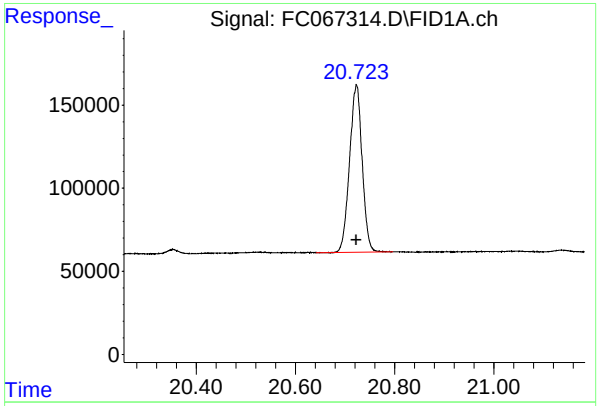
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.000 min
Response: 2193263
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

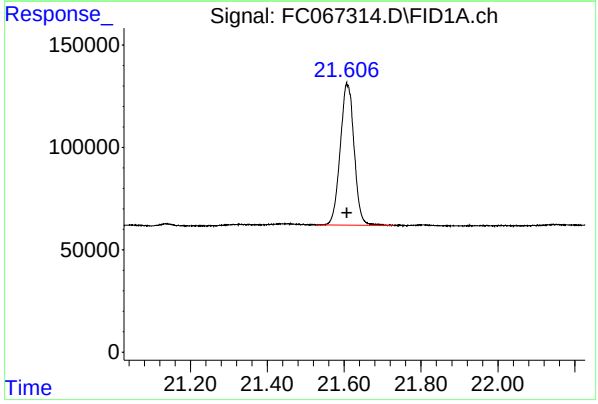
R.T.: 19.999 min
Delta R.T.: 0.000 min
Response: 1907034
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.723 min
Delta R.T.: 0.000 min
Response: 1770855
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.608 min
Delta R.T.: 0.000 min
Response: 1730957
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067314.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 11:48
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.271	3.245	3.330	BB	301355	2561935	82.94%	4.652%
2	4.337	4.285	4.402	BB	276151	2606750	84.39%	4.733%
3	5.915	5.860	6.010	BB	306302	2878074	93.17%	5.226%
4	6.353	6.295	6.402	BB	256127	2627937	85.07%	4.772%
5	6.970	6.923	7.080	BB	272068	2792361	90.40%	5.070%
6	8.146	8.080	8.228	BB	246166	2616449	84.70%	4.751%
7	9.745	9.688	9.835	BB	229678	2703190	87.51%	4.908%
8	11.186	11.125	11.267	BB	220672	2753269	89.13%	4.999%
9	11.497	11.442	11.565	BB	280480	3089013	100.00%	5.609%
10	12.493	12.435	12.562	BB	214435	2645737	85.65%	4.804%
11	12.936	12.868	12.995	BB	185389	2301706	74.51%	4.179%
12	13.105	13.037	13.182	BB	199408	2606321	84.37%	4.732%
13	13.690	13.625	13.763	BB	199133	2582773	83.61%	4.690%
14	14.792	14.730	14.867	BB	192816	2574621	83.35%	4.675%
15	15.813	15.747	15.885	BB	175714	2538087	82.16%	4.609%
16	16.760	16.677	16.857	BB	174965	2519727	81.57%	4.575%
17	17.646	17.577	17.725	BB	180572	2574944	83.36%	4.676%
18	18.478	18.415	18.560	BB	168215	2497831	80.86%	4.536%
19	19.260	19.208	19.323	BB	149736	2193263	71.00%	3.982%
20	19.999	19.937	20.077	VB	124156	1907034	61.74%	3.463%
21	20.723	20.642	20.797	BB	100926	1770855	57.33%	3.215%
22	21.608	21.527	21.727	BB	68950	1730957	56.04%	3.143%
			Sum of corrected areas:			55072832		

Aliphatic EPH 100224.M Tue Oct 01 09:21:20 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067315.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 12:47
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 01 09:11:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 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			
9) S	ortho-Terphenyl (SURR)	11.496	1571986	10.733 ug/ml
Spiked Amount	50.000		Recovery =	21.47%
12) S	1-chlorooctadecane (S...	12.936	1173605	10.698 ug/ml
Spiked Amount	50.000		Recovery =	21.40%
	Target Compounds			
1) T	n-Nonane (C9)	3.270	1286606	10.491 ug/ml
2) T	n-Decane (C10)	4.336	1306831	10.474 ug/ml
3) T	A~Naphthalene (C11.7)	5.915	1437407	10.417 ug/ml
4) T	n-Dodecane (C12)	6.353	1318883	10.451 ug/ml
5) T	A~2-methylnaphthalene...	6.970	1392618	10.375 ug/ml
6) T	n-Tetradecane (C14)	8.146	1308417	10.411 ug/ml
7) T	n-Hexadecane (C16)	9.745	1367829	10.562 ug/ml
8) T	n-Octadecane (C18)	11.185	1404957	10.718 ug/ml
10) T	n-Eicosane (C20)	12.493	1359651	10.795 ug/ml
11) T	n-Heneicosane (C21)	13.104	1336214	10.787 ug/ml
13) T	n-Docosane (C22)	13.689	1324859	10.728 ug/ml
14) T	n-Tetracosane (C24)	14.791	1318090	10.622 ug/ml
15) T	n-Hexacosane (C26)	15.811	1292438	10.537 ug/ml
16) T	n-Octacosane (C28)	16.761	1284086	10.578 ug/ml
17) T	n-Tricontane (C30)	17.647	1321139	10.727 ug/ml
18) T	n-Dotriacontane (C32)	18.478	1282377	10.851 ug/ml
19) T	n-Tetratriacontane (C34)	19.261	1119659	10.805 ug/ml
20) T	n-Hexatriacontane (C36)	20.000	974156	10.885 ug/ml
21) T	n-Octatriacontane (C38)	20.724	893961	10.604 ug/ml
22) T	n-Tetracontane (C40)	21.611	848887	10.298 ug/ml

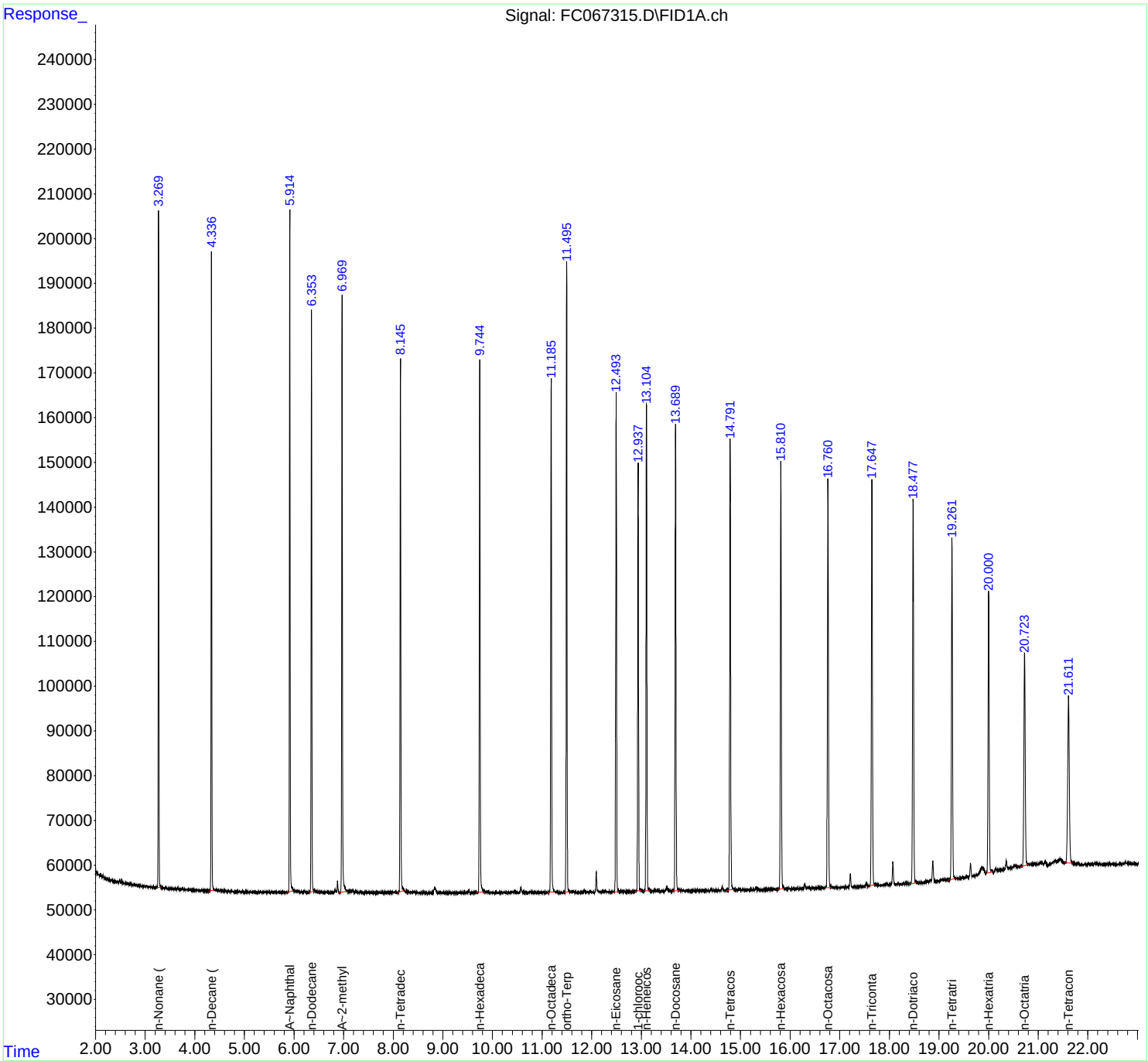
(f)=RT Delta > 1/2 Window (m)=manual int.

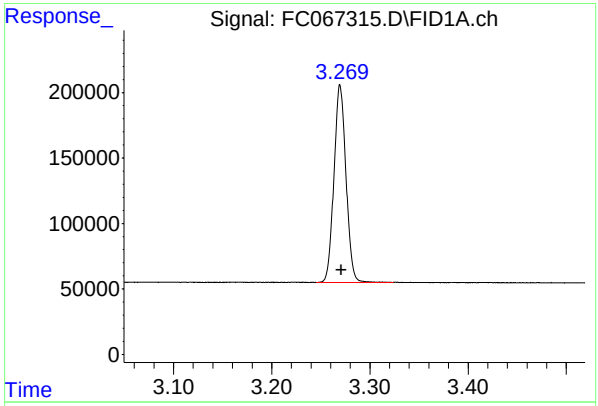
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067315.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 12:47
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 01 09:11:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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

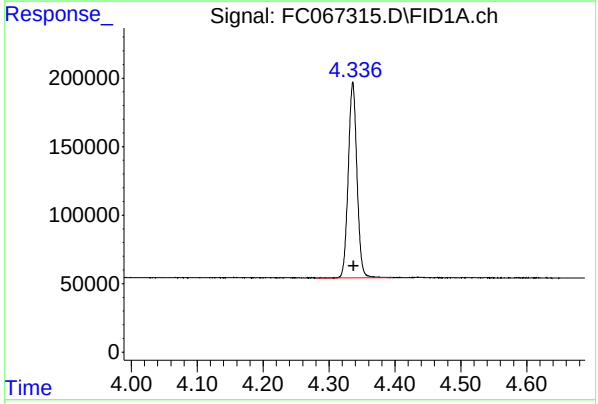




#1 n-Nonane (C9)

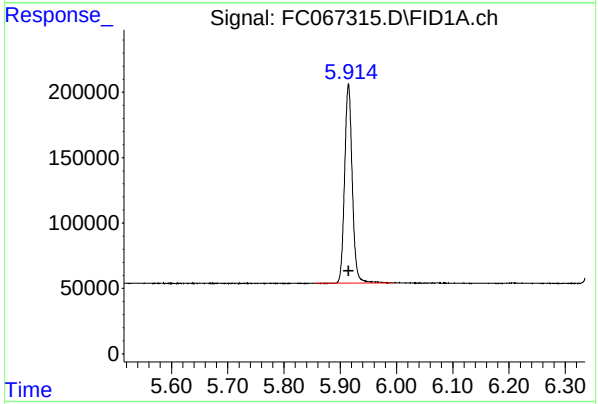
R.T.: 3.270 min
Delta R.T.: -0.001 min
Response: 1286606
Conc: 10.49 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



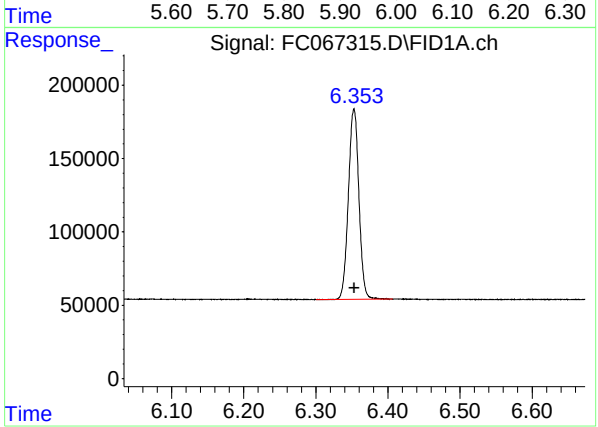
#2 n-Decane (C10)

R.T.: 4.336 min
Delta R.T.: -0.001 min
Response: 1306831
Conc: 10.47 ug/ml



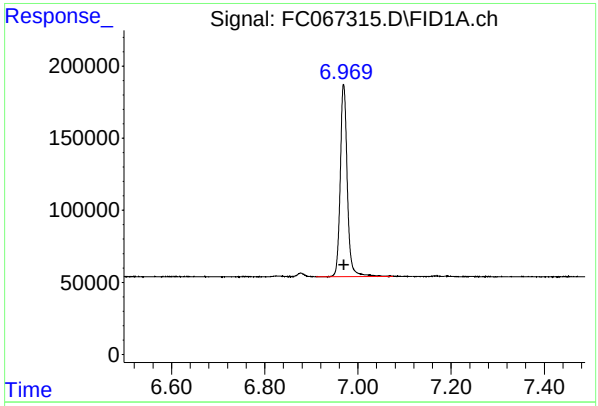
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 1437407
Conc: 10.42 ug/ml



#4 n-Dodecane (C12)

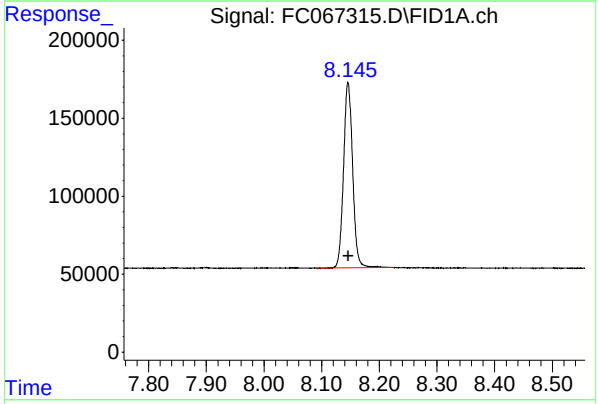
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 1318883
Conc: 10.45 ug/ml



#5 A~2-methylnaphthalene (C12.89)

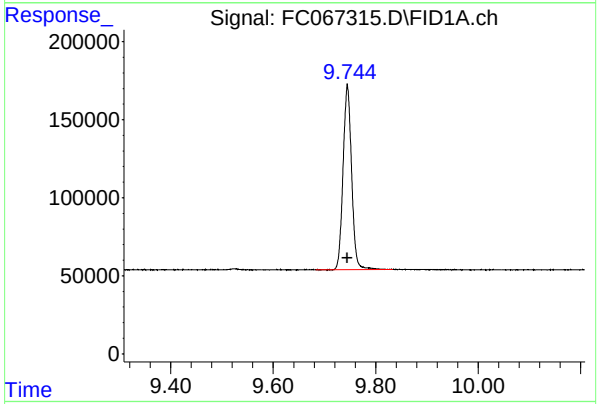
R.T.: 6.970 min
Delta R.T.: 0.000 min
Response: 1392618
Conc: 10.37 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



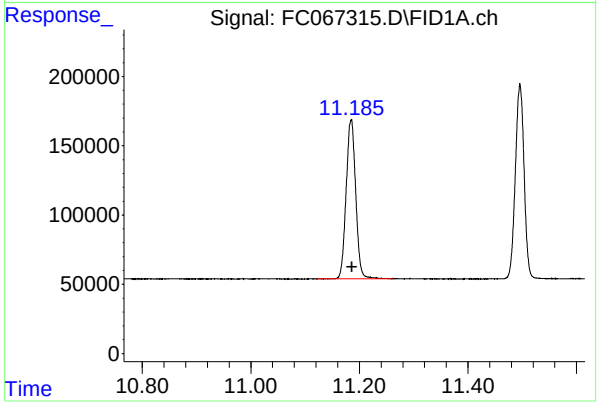
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 1308417
Conc: 10.41 ug/ml



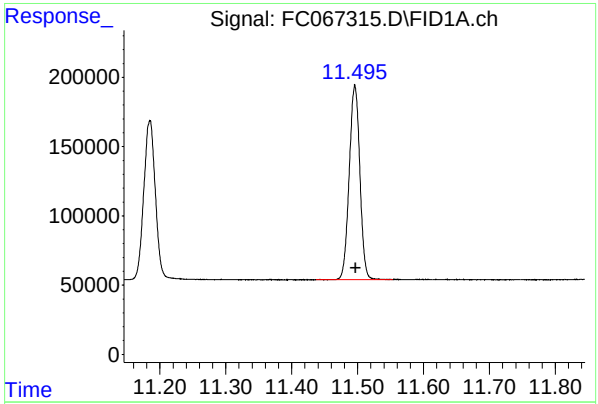
#7 n-Hexadecane (C16)

R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 1367829
Conc: 10.56 ug/ml



#8 n-Octadecane (C18)

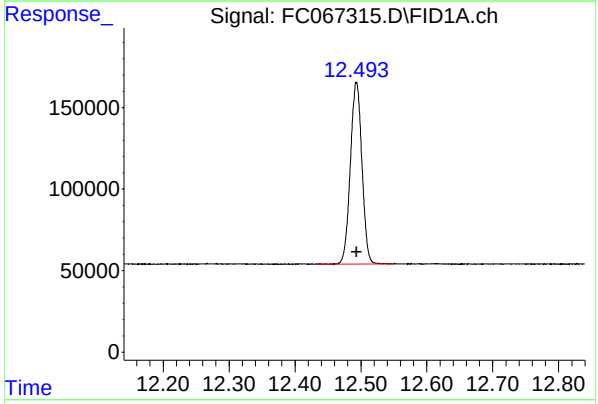
R.T.: 11.185 min
Delta R.T.: -0.001 min
Response: 1404957
Conc: 10.72 ug/ml



#9 ortho-Terphenyl (SURR)

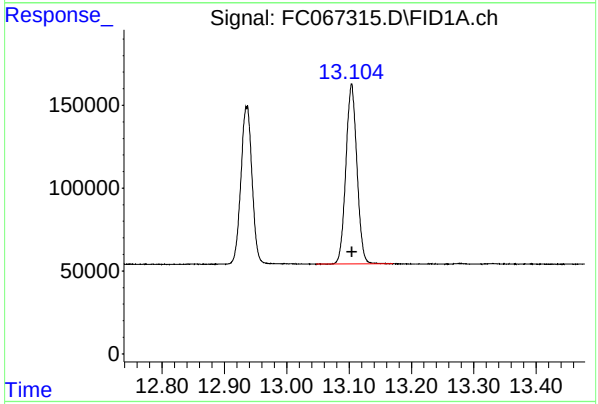
R.T.: 11.496 min
Delta R.T.: -0.001 min
Response: 1571986
Conc: 10.73 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



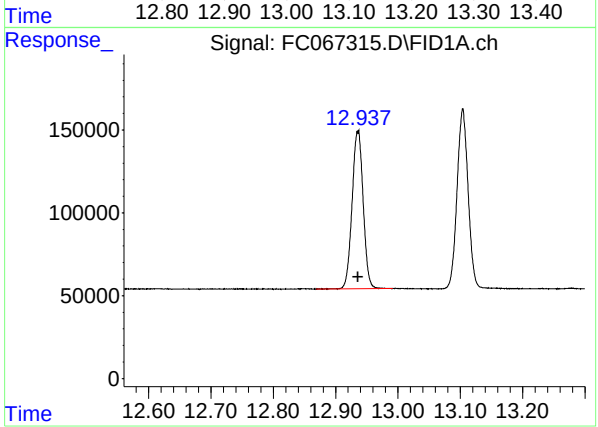
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.000 min
Response: 1359651
Conc: 10.80 ug/ml



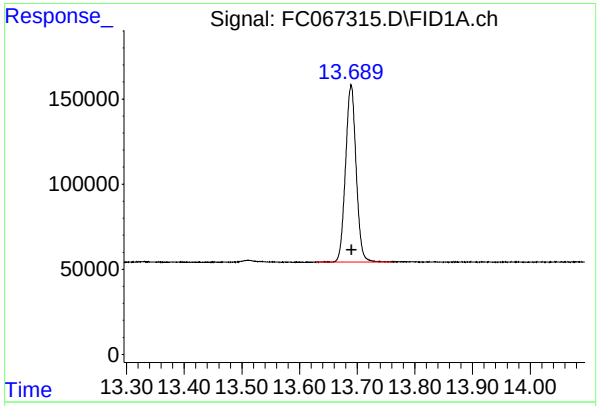
#11 n-Heneicosane (C21)

R.T.: 13.104 min
Delta R.T.: 0.000 min
Response: 1336214
Conc: 10.79 ug/ml



#12 1-chlorooctadecane (SURR)

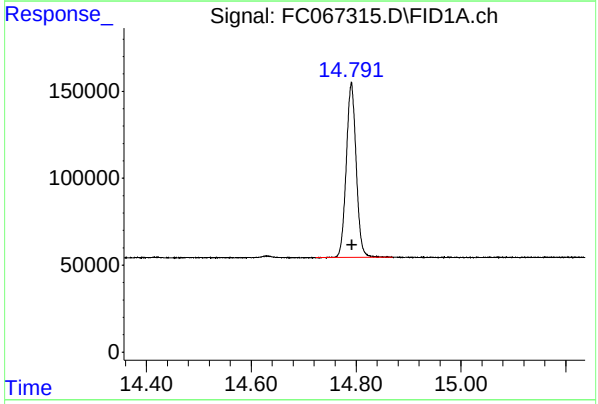
R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 1173605
Conc: 10.70 ug/ml



#13 n-Docosane (C22)

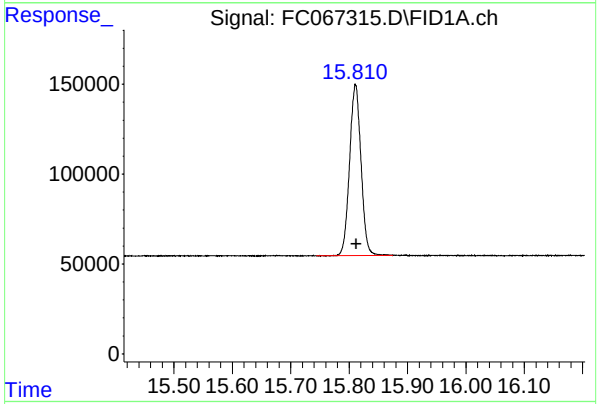
R.T.: 13.689 min
Delta R.T.: -0.001 min
Response: 1324859
Conc: 10.73 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



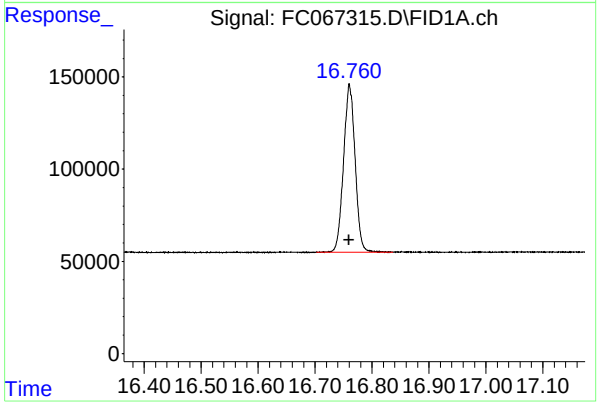
#14 n-Tetracosane (C24)

R.T.: 14.791 min
Delta R.T.: 0.000 min
Response: 1318090
Conc: 10.62 ug/ml



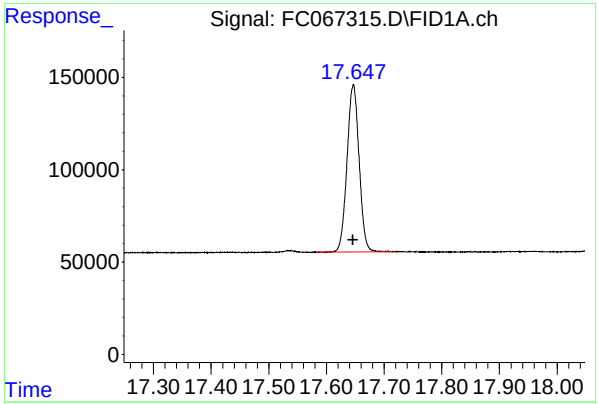
#15 n-Hexacosane (C26)

R.T.: 15.811 min
Delta R.T.: -0.002 min
Response: 1292438
Conc: 10.54 ug/ml



#16 n-Octacosane (C28)

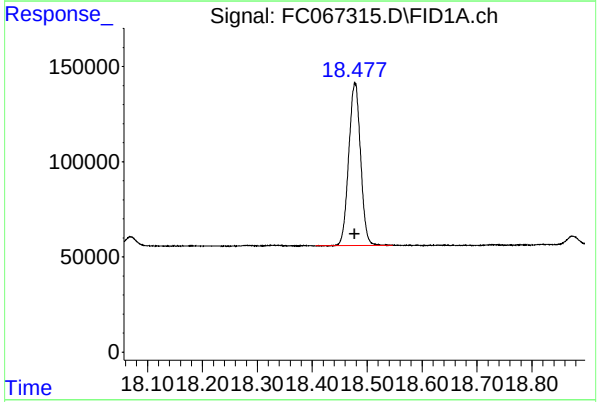
R.T.: 16.761 min
Delta R.T.: 0.000 min
Response: 1284086
Conc: 10.58 ug/ml



#17 n-Tricontane (C30)

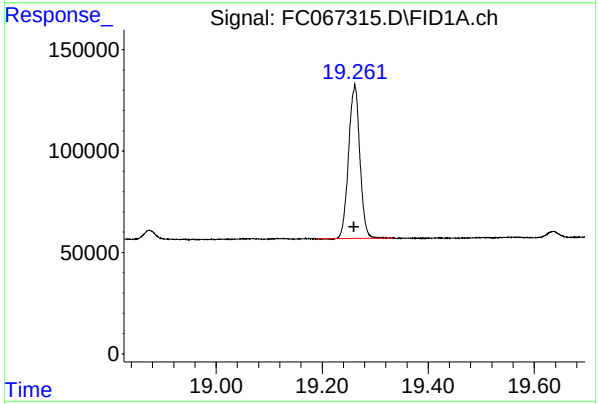
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 1321139
Conc: 10.73 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



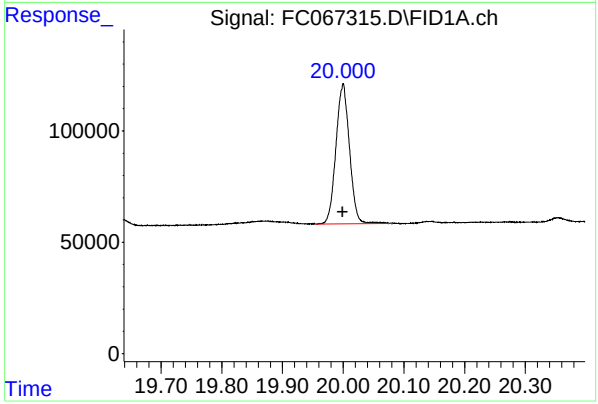
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 1282377
Conc: 10.85 ug/ml



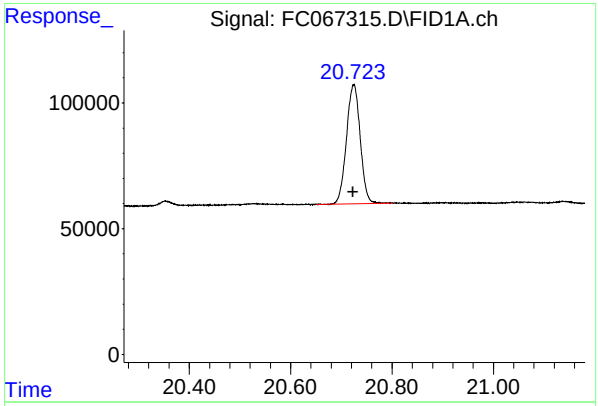
#19 n-Tetratriacontane (C34)

R.T.: 19.261 min
Delta R.T.: 0.002 min
Response: 1119659
Conc: 10.81 ug/ml



#20 n-Hexatriacontane (C36)

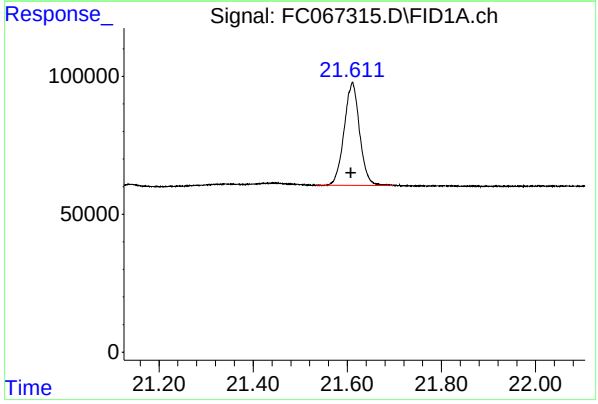
R.T.: 20.000 min
Delta R.T.: 0.000 min
Response: 974156
Conc: 10.88 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: 0.001 min
Response: 893961
Conc: 10.60 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.611 min
Delta R.T.: 0.003 min
Response: 848887
Conc: 10.30 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067315.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 12:47
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.270	3.245	3.324	BB	149654	1286606	81.85%	4.607%
2	4.336	4.280	4.397	BB	143345	1306831	83.13%	4.680%
3	5.915	5.857	5.994	BB	152594	1437407	91.44%	5.147%
4	6.353	6.300	6.407	BB	129992	1318883	83.90%	4.723%
5	6.970	6.910	7.075	BB	132847	1392618	88.59%	4.987%
6	8.146	8.090	8.224	BB	118854	1308417	83.23%	4.686%
7	9.745	9.684	9.834	BB	118309	1367829	87.01%	4.898%
8	11.185	11.120	11.262	BB	115074	1404957	89.37%	5.031%
9	11.496	11.437	11.554	BB	139977	1571986	100.00%	5.629%
10	12.493	12.432	12.549	BB	111570	1359651	86.49%	4.869%
11	12.936	12.869	12.992	BB	94987	1173605	74.66%	4.203%
12	13.104	13.047	13.170	BB	108646	1336214	85.00%	4.785%
13	13.689	13.629	13.762	BB	103488	1324859	84.28%	4.744%
14	14.791	14.724	14.870	BB	99895	1318090	83.85%	4.720%
15	15.811	15.744	15.875	BB	95486	1292438	82.22%	4.628%
16	16.761	16.702	16.837	BB	90915	1284086	81.69%	4.598%
17	17.647	17.582	17.715	BB	90874	1321139	84.04%	4.731%
18	18.478	18.407	18.547	BB	85034	1282377	81.58%	4.592%
19	19.261	19.189	19.334	BB	76227	1119659	71.23%	4.010%
20	20.000	19.955	20.082	BB	63358	974156	61.97%	3.489%
21	20.724	20.650	20.802	BB	47317	893961	56.87%	3.201%
22	21.611	21.534	21.697	BB	37257	848887	54.00%	3.040%
			Sum of corrected areas:			27924656		

Aliphatic EPH 100224.M Tue Oct 01 09:21:38 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067316.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 13:35
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 01 09:12:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 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			
9)	S ortho-Terphenyl (SURR)	11.496	821094	5.505 ug/ml
	Spiked Amount 50.000		Recovery =	11.01%
12)	S 1-chlorooctadecane (S...	12.936	597484	5.353 ug/ml
	Spiked Amount 50.000		Recovery =	10.71%
	Target Compounds			
1)	T n-Nonane (C9)	3.271	686146	5.527 ug/ml
2)	T n-Decane (C10)	4.336	688670	5.455 ug/ml
3)	T A~Naphthalene (C11.7)	5.915	757843	5.435 ug/ml
4)	T n-Dodecane (C12)	6.352	691712	5.420 ug/ml
5)	T A~2-methylnaphthalene...	6.970	719915	5.313 ug/ml
6)	T n-Tetradecane (C14)	8.146	680596	5.360 ug/ml
7)	T n-Hexadecane (C16)	9.745	701420	5.341 ug/ml
8)	T n-Octadecane (C18)	11.185	721326	5.406 ug/ml
10)	T n-Eicosane (C20)	12.493	695208	5.412 ug/ml
11)	T n-Heneicosane (C21)	13.105	680195	5.385 ug/ml
13)	T n-Docosane (C22)	13.690	677301	5.386 ug/ml
14)	T n-Tetracosane (C24)	14.792	676857	5.371 ug/ml
15)	T n-Hexacosane (C26)	15.811	666097	5.359 ug/ml
16)	T n-Octacosane (C28)	16.759	677736	5.503 ug/ml
17)	T n-Tricontane (C30)	17.647	712654	5.683 ug/ml
18)	T n-Dotriacontane (C32)	18.478	709265	5.876 ug/ml
19)	T n-Tetratriacontane (C34)	19.260	617762	5.844 ug/ml
20)	T n-Hexatriacontane (C36)	20.000	533422	5.831 ug/ml
21)	T n-Octatriacontane (C38)	20.724	480941	5.620 ug/ml
22)	T n-Tetracontane (C40)	21.612	490214	5.903 ug/ml

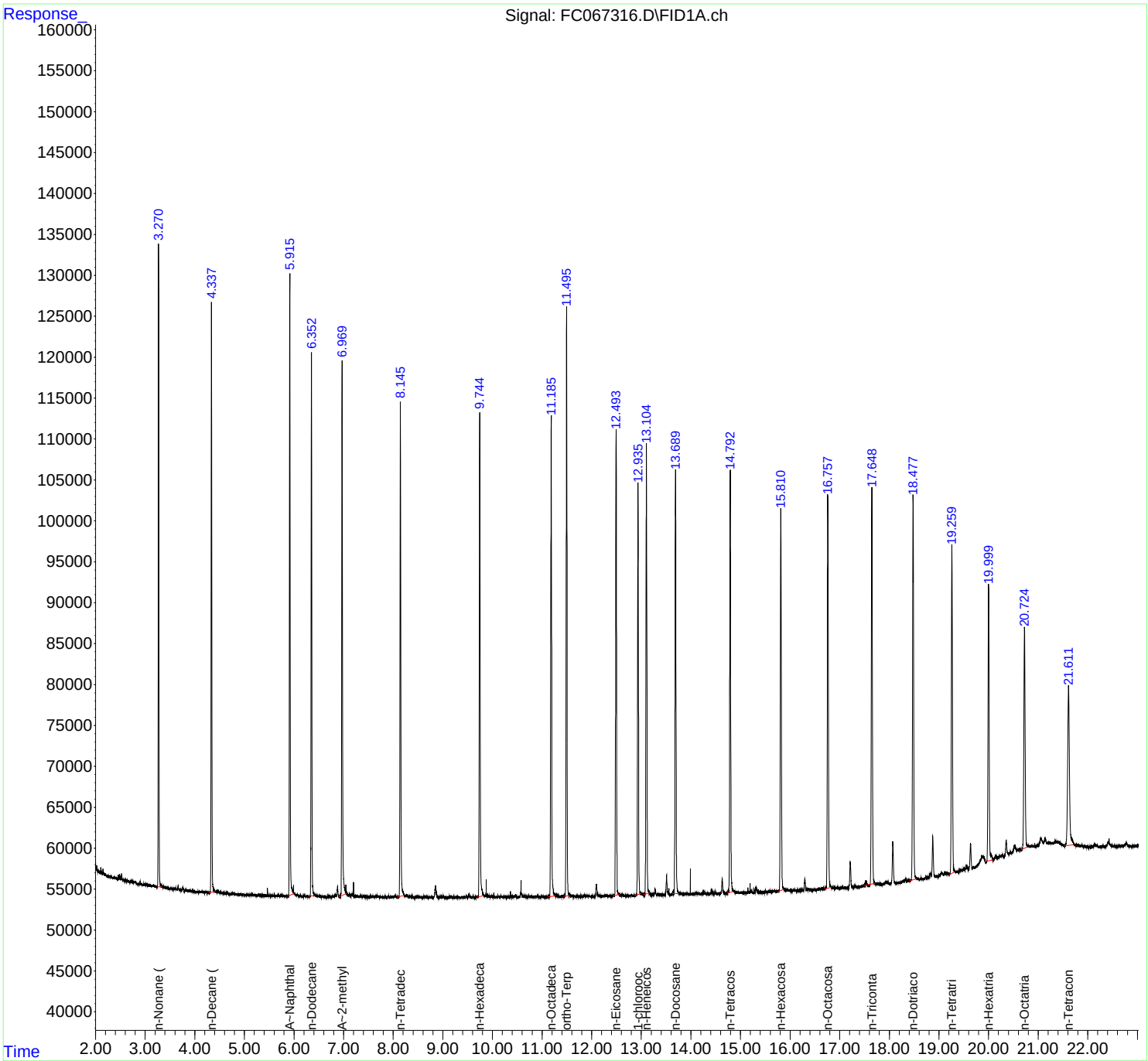
(f)=RT Delta > 1/2 Window (m)=manual int.

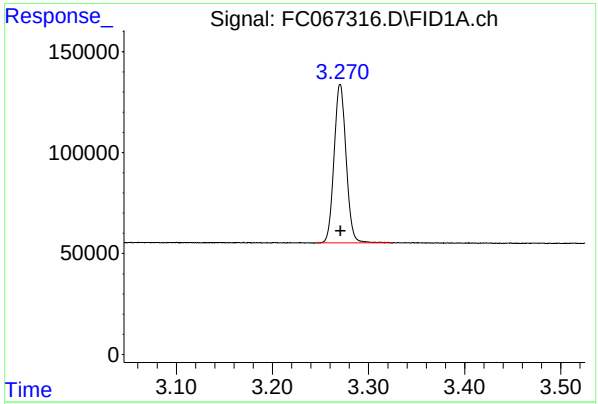
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067316.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 13:35
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 01 09:12:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:07:31 2024
Response via : Initial Calibration
Integrator: ChemStation

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

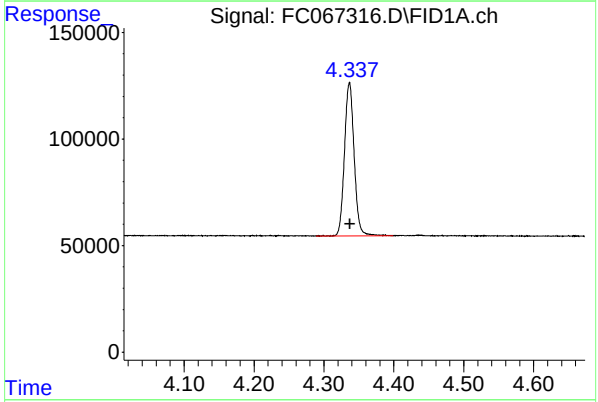




#1 n-Nonane (C9)

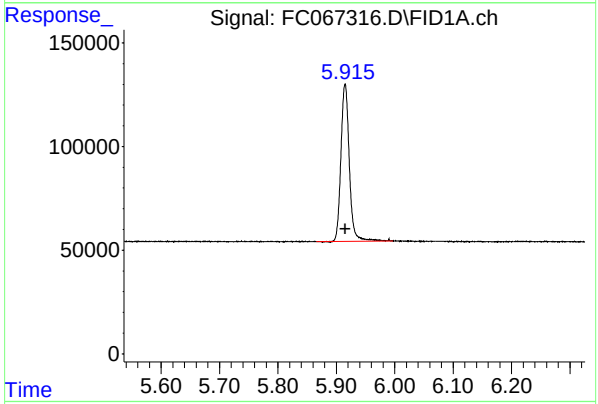
R.T.: 3.271 min
Delta R.T.: 0.000 min
Response: 686146
Conc: 5.53 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



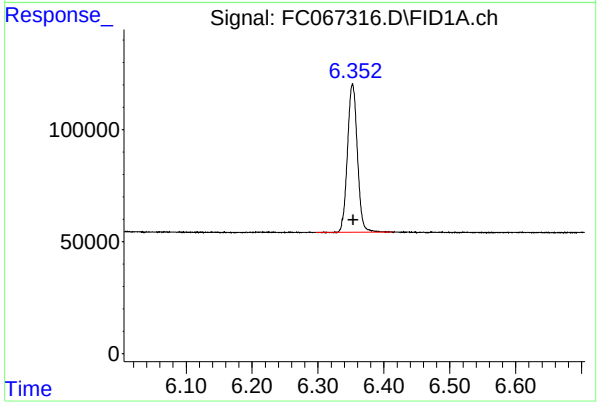
#2 n-Decane (C10)

R.T.: 4.336 min
Delta R.T.: 0.000 min
Response: 688670
Conc: 5.46 ug/ml



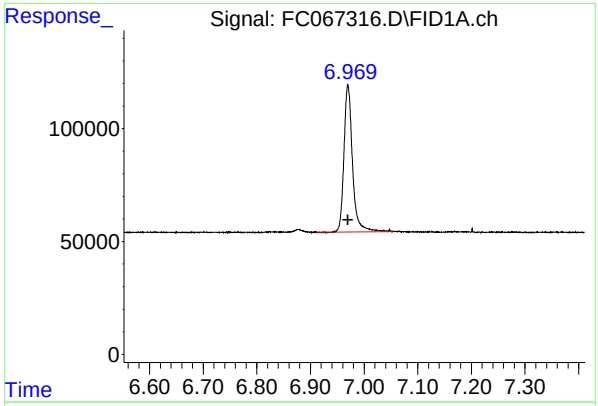
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 757843
Conc: 5.44 ug/ml



#4 n-Dodecane (C12)

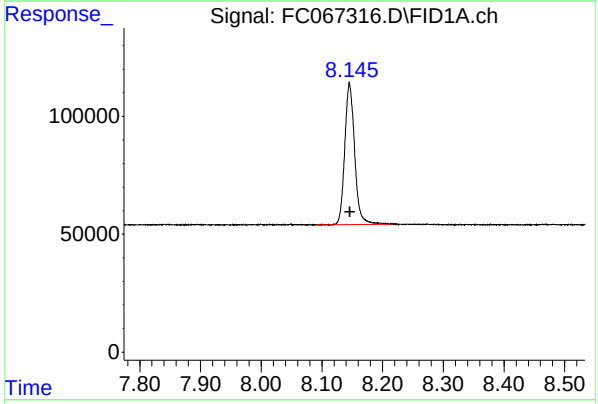
R.T.: 6.352 min
Delta R.T.: 0.000 min
Response: 691712
Conc: 5.42 ug/ml



#5 A~2-methylnaphthalene (C12.89)

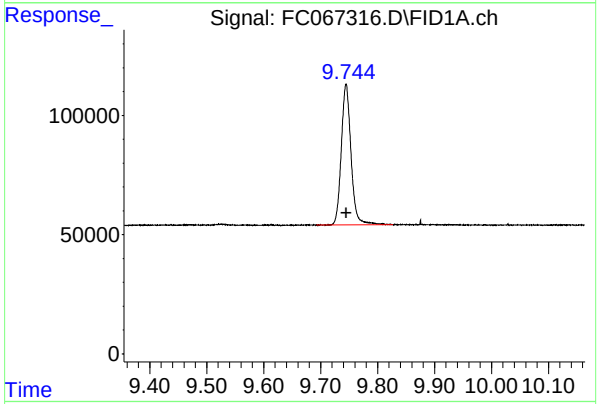
R.T.: 6.970 min
Delta R.T.: 0.000 min
Response: 719915
Conc: 5.31 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



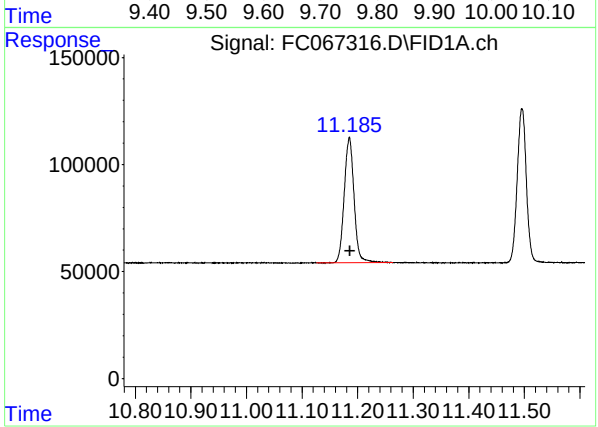
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 680596
Conc: 5.36 ug/ml



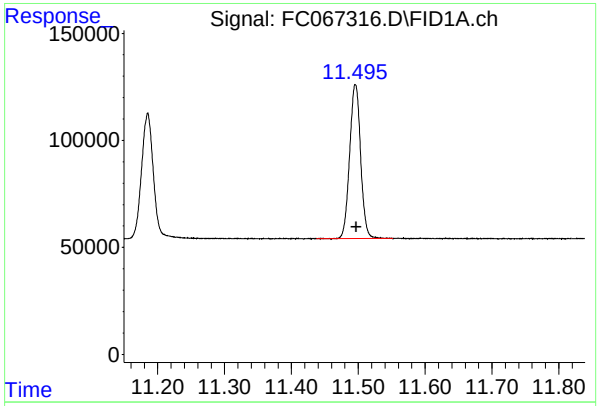
#7 n-Hexadecane (C16)

R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 701420
Conc: 5.34 ug/ml



#8 n-Octadecane (C18)

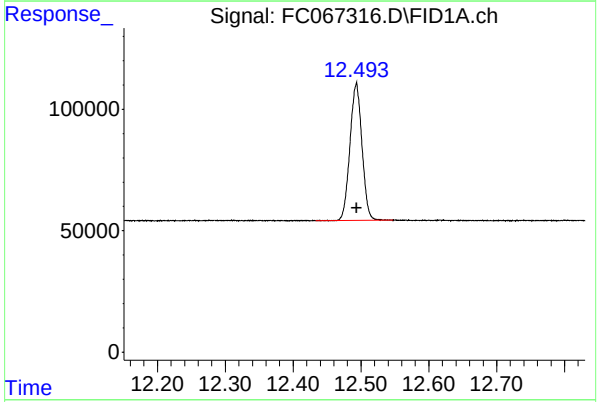
R.T.: 11.185 min
Delta R.T.: -0.001 min
Response: 721326
Conc: 5.41 ug/ml



#9 ortho-Terphenyl (SURR)

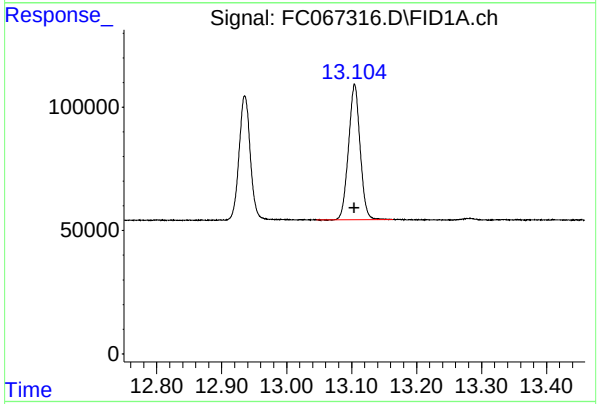
R.T.: 11.496 min
Delta R.T.: -0.001 min
Response: 821094
Conc: 5.51 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



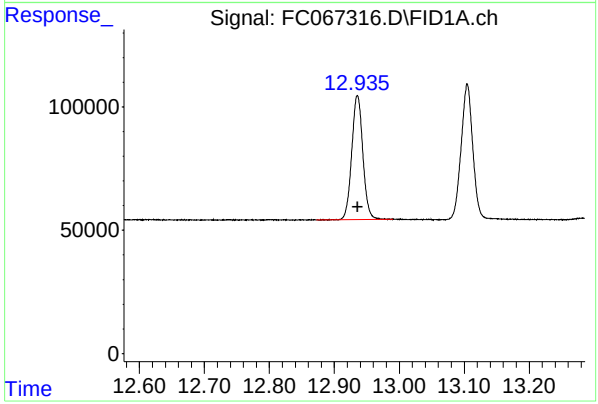
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.000 min
Response: 695208
Conc: 5.41 ug/ml



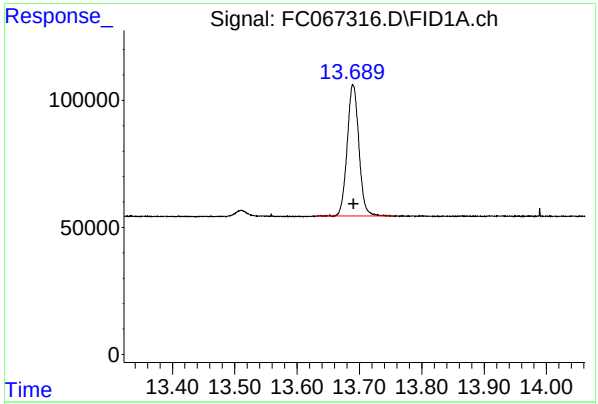
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 680195
Conc: 5.39 ug/ml



#12 1-chlorooctadecane (SURR)

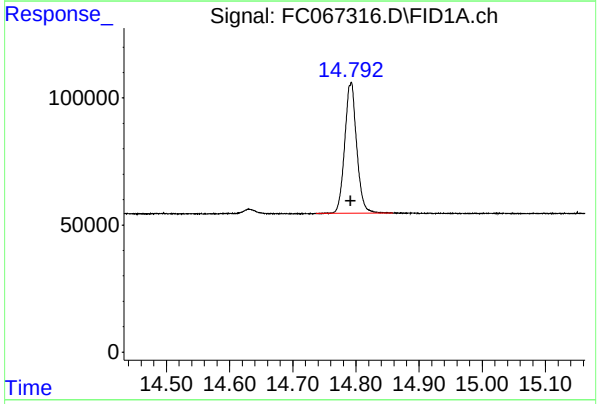
R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 597484
Conc: 5.35 ug/ml



#13 n-Docosane (C22)

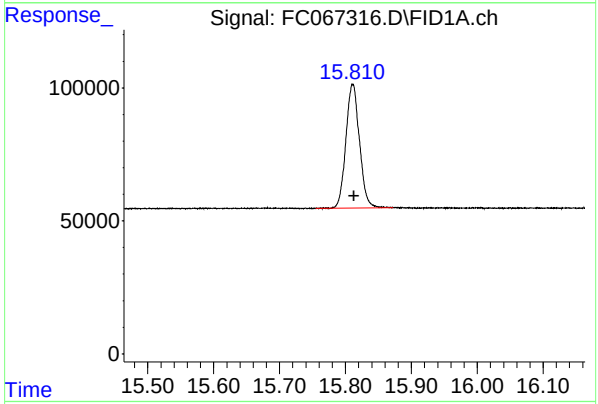
R.T.: 13.690 min
Delta R.T.: 0.000 min
Response: 677301
Conc: 5.39 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



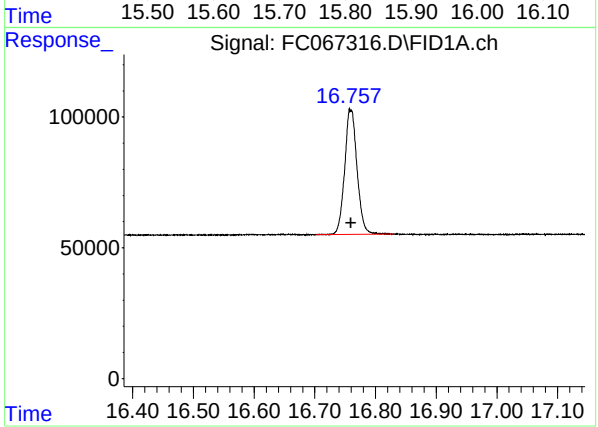
#14 n-Tetracosane (C24)

R.T.: 14.792 min
Delta R.T.: 0.000 min
Response: 676857
Conc: 5.37 ug/ml



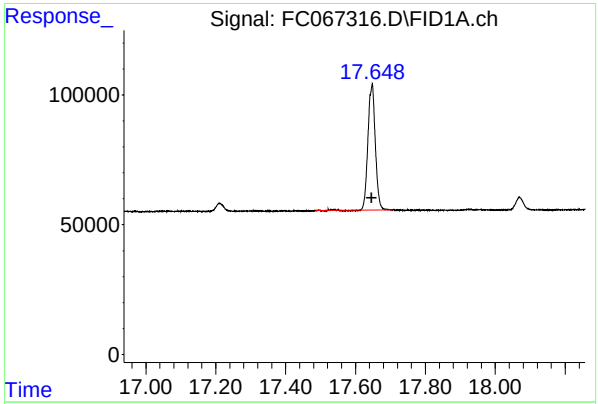
#15 n-Hexacosane (C26)

R.T.: 15.811 min
Delta R.T.: -0.002 min
Response: 666097
Conc: 5.36 ug/ml



#16 n-Octacosane (C28)

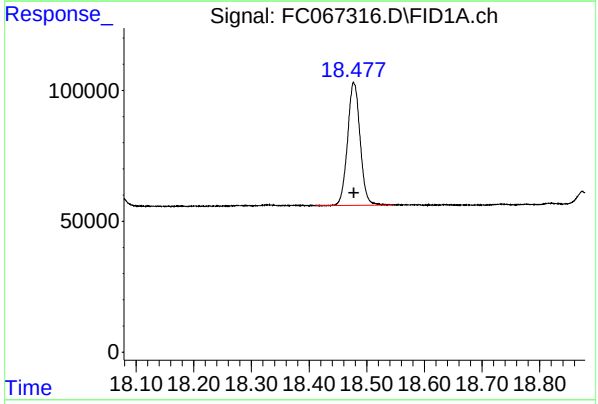
R.T.: 16.759 min
Delta R.T.: 0.000 min
Response: 677736
Conc: 5.50 ug/ml



#17 n-Tricontane (C30)

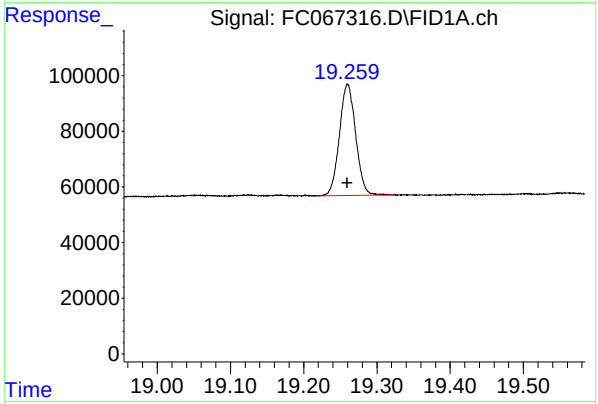
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 712654
Conc: 5.68 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



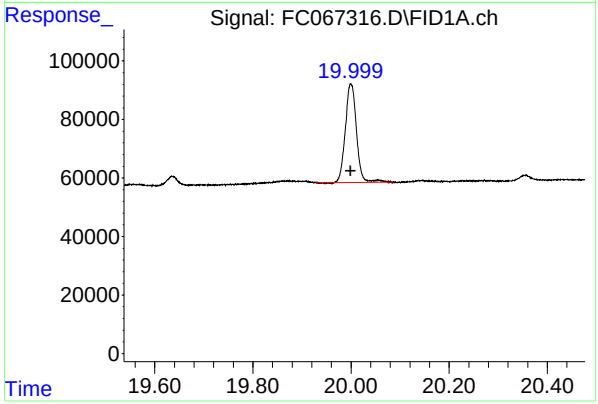
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 709265
Conc: 5.88 ug/ml



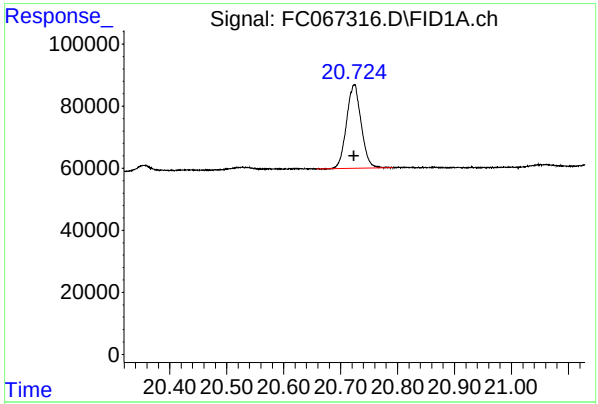
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.000 min
Response: 617762
Conc: 5.84 ug/ml



#20 n-Hexatriacontane (C36)

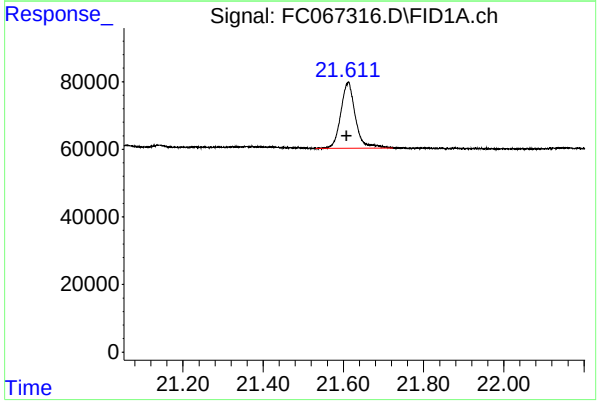
R.T.: 20.000 min
Delta R.T.: 0.000 min
Response: 533422
Conc: 5.83 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: 0.000 min
Response: 480941
Conc: 5.62 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.612 min
Delta R.T.: 0.004 min
Response: 490214
Conc: 5.90 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067316.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 13:35
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.271	3.245	3.325	BB	78681	686146	83.56%	4.673%
2	4.336	4.289	4.399	BB	72152	688670	83.87%	4.690%
3	5.915	5.865	5.997	BB	76027	757843	92.30%	5.161%
4	6.352	6.297	6.414	BB	66053	691712	84.24%	4.711%
5	6.970	6.910	7.054	BB	65101	719915	87.68%	4.903%
6	8.146	8.090	8.217	BB	60011	680596	82.89%	4.635%
7	9.745	9.692	9.827	BB	59283	701420	85.42%	4.777%
8	11.185	11.125	11.264	BB	58904	721326	87.85%	4.912%
9	11.496	11.437	11.552	BB	72136	821094	100.00%	5.592%
10	12.493	12.434	12.547	BB	56965	695208	84.67%	4.735%
11	12.936	12.872	12.990	BB	50290	597484	72.77%	4.069%
12	13.105	13.045	13.164	BB	54789	680195	82.84%	4.632%
13	13.690	13.630	13.754	BB	51352	677301	82.49%	4.613%
14	14.792	14.737	14.859	BB	51124	676857	82.43%	4.610%
15	15.811	15.755	15.872	BB	46744	666097	81.12%	4.536%
16	16.759	16.702	16.829	BB	47167	677736	82.54%	4.616%
17	17.647	17.487	17.707	BB	48207	712654	86.79%	4.853%
18	18.478	18.412	18.545	BB	46869	709265	86.38%	4.830%
19	19.260	19.217	19.322	BB	39937	617762	75.24%	4.207%
20	20.000	19.929	20.085	BB	33595	533422	64.96%	3.633%
21	20.724	20.657	20.792	BB	26905	480941	58.57%	3.275%
22	21.612	21.532	21.724	BB	19525	490214	59.70%	3.338%
			Sum of corrected areas:			14683859		

Aliphatic EPH 100224.M Tue Oct 01 09:21:54 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067317.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 14:29
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 01 09:15:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 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			
9)	S ortho-Terphenyl (SURR)	11.498	2856514	18.773 ug/ml
	Spiked Amount 50.000		Recovery =	37.55%
12)	S 1-chlorooctadecane (S...	12.936	2133568	18.849 ug/ml
	Spiked Amount 50.000		Recovery =	37.70%
	Target Compounds			
1)	T n-Nonane (C9)	3.270	2407553	18.993 ug/ml
2)	T n-Decane (C10)	4.336	2442213	18.999 ug/ml
3)	T A~Naphthalene (C11.7)	5.915	2689038	18.956 ug/ml
4)	T n-Dodecane (C12)	6.353	2456420	18.930 ug/ml
5)	T A~2-methylnaphthalene...	6.970	2597570	18.934 ug/ml
6)	T n-Tetradecane (C14)	8.146	2450775	19.028 ug/ml
7)	T n-Hexadecane (C16)	9.746	2523898	18.960 ug/ml
8)	T n-Octadecane (C18)	11.186	2573183	18.976 ug/ml
10)	T n-Eicosane (C20)	12.494	2485014	19.032 ug/ml
11)	T n-Heneicosane (C21)	13.105	2426455	18.919 ug/ml
13)	T n-Docosane (C22)	13.691	2465913	19.312 ug/ml
14)	T n-Tetracosane (C24)	14.792	2609769	20.406 ug/ml
15)	T n-Hexacosane (C26)	15.813	2600091	20.622 ug/ml
16)	T n-Octacosane (C28)	16.762	2654837	21.132 ug/ml
17)	T n-Tricontane (C30)	17.647	2708550	21.025 ug/ml
18)	T n-Dotriacontane (C32)	18.478	2596492	20.784 ug/ml
19)	T n-Tetratriacontane (C34)	19.261	2217081	20.289 ug/ml
20)	T n-Hexatriacontane (C36)	20.000	1805047	19.097 ug/ml
21)	T n-Octatriacontane (C38)	20.724	1666956	19.008 ug/ml
22)	T n-Tetracontane (C40)	21.608	1643254	19.097 ug/ml

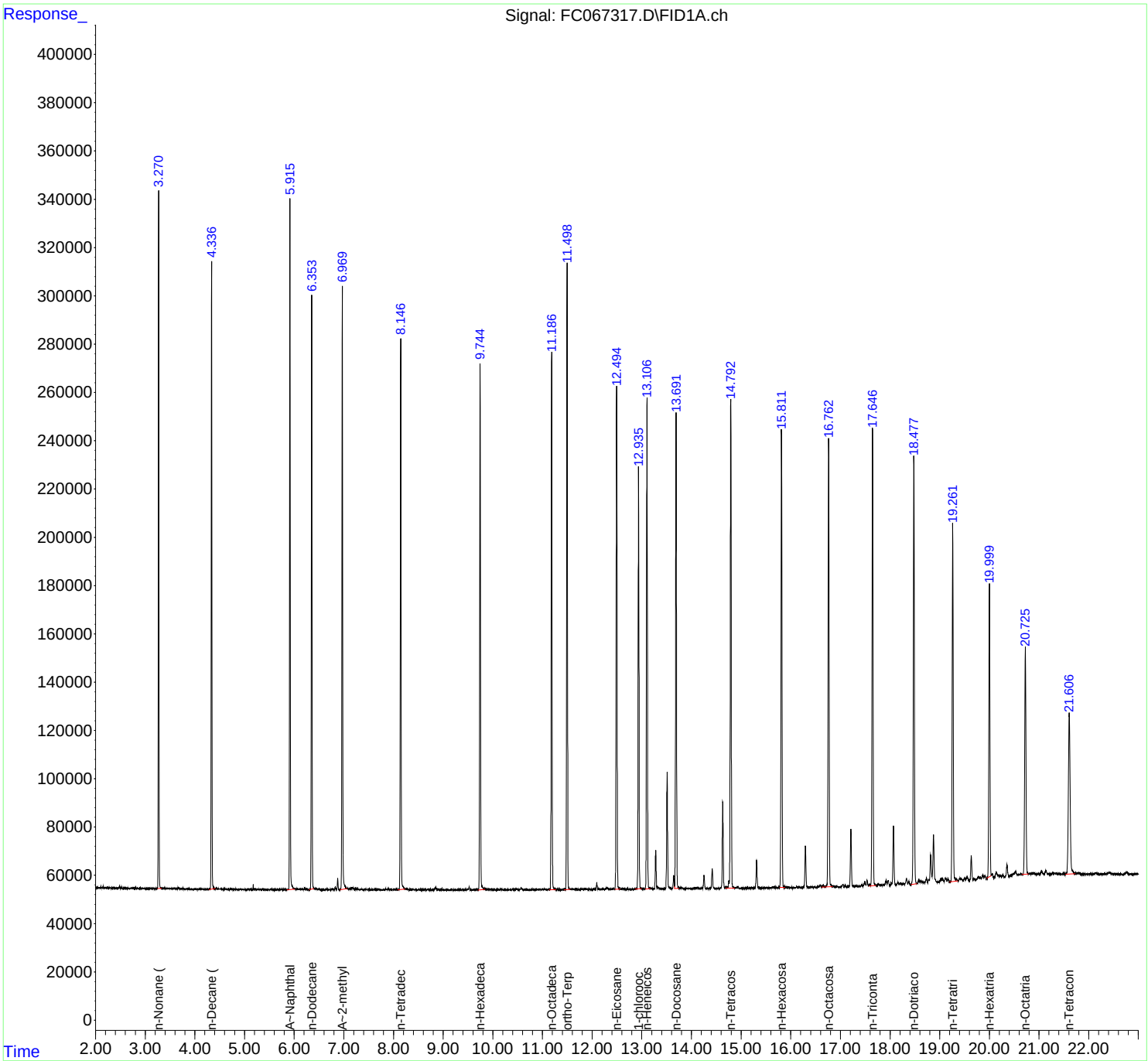
(f)=RT Delta > 1/2 Window (m)=manual int.

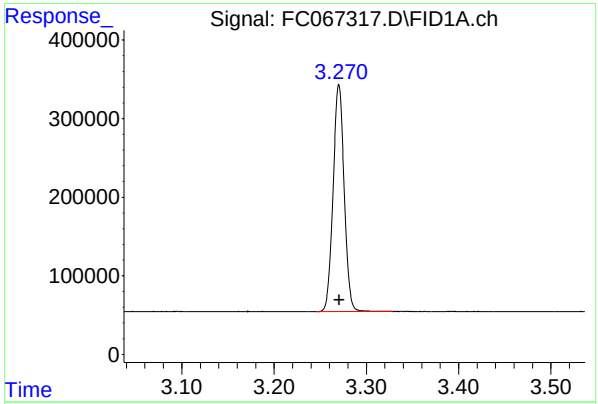
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067317.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 14:29
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 01 09:15:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

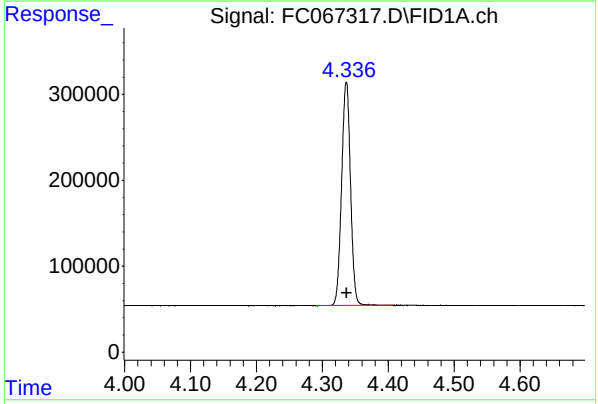




#1 n-Nonane (C9)

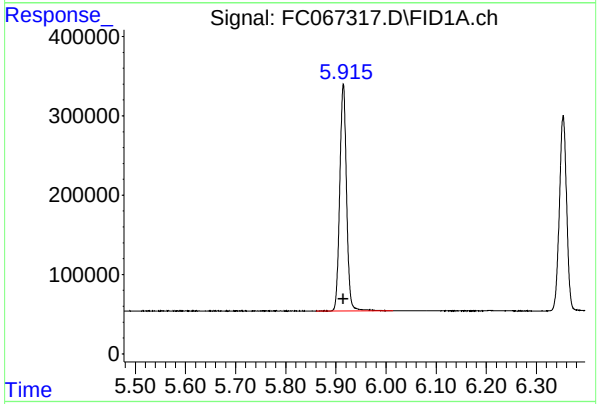
R.T.: 3.270 min
Delta R.T.: 0.000 min
Response: 2407553
Conc: 18.99 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



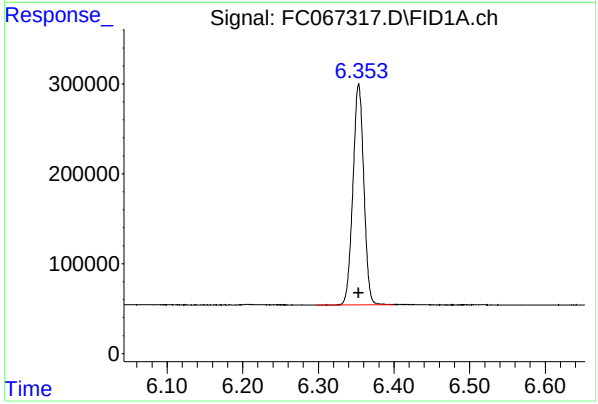
#2 n-Decane (C10)

R.T.: 4.336 min
Delta R.T.: 0.000 min
Response: 2442213
Conc: 19.00 ug/ml



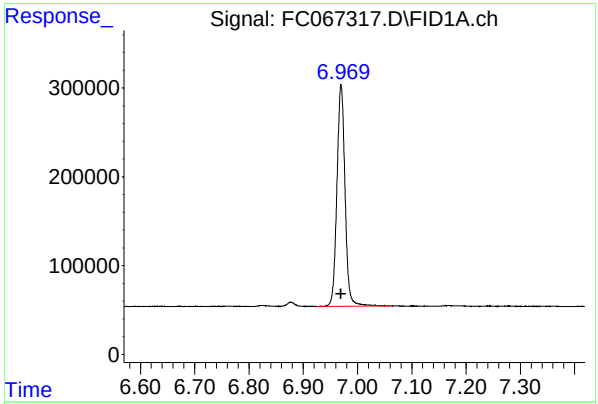
#3 A~Naphthalene (C11.7)

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 2689038
Conc: 18.96 ug/ml



#4 n-Dodecane (C12)

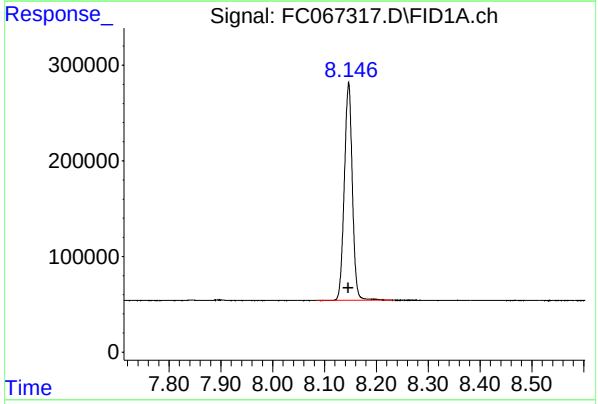
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 2456420
Conc: 18.93 ug/ml



#5 A~2-methylnaphthalene (C12.89)

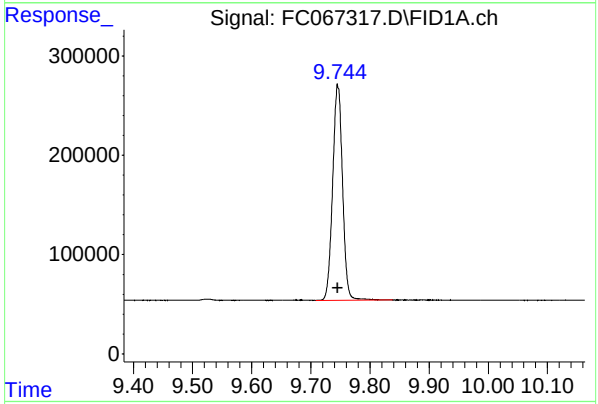
R.T.: 6.970 min
Delta R.T.: 0.000 min
Response: 2597570
Conc: 18.93 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



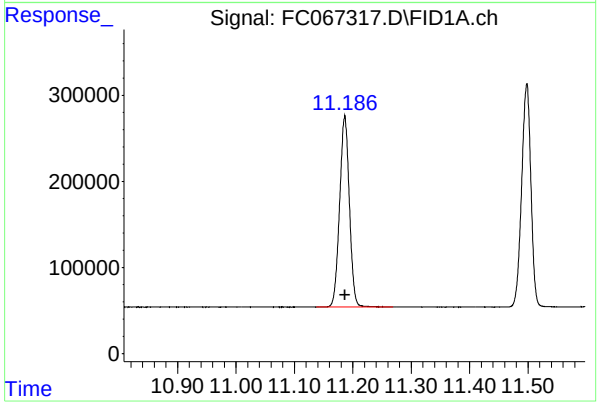
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 2450775
Conc: 19.03 ug/ml



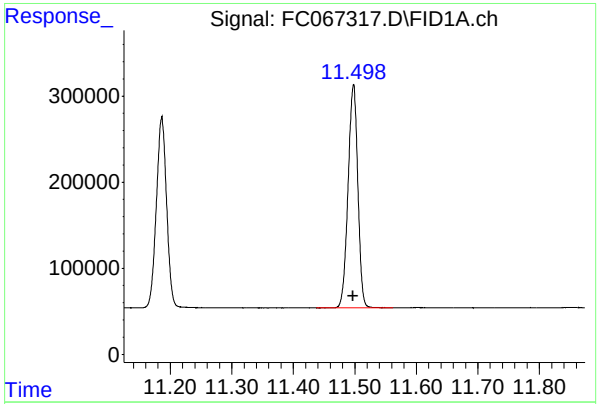
#7 n-Hexadecane (C16)

R.T.: 9.746 min
Delta R.T.: 0.000 min
Response: 2523898
Conc: 18.96 ug/ml



#8 n-Octadecane (C18)

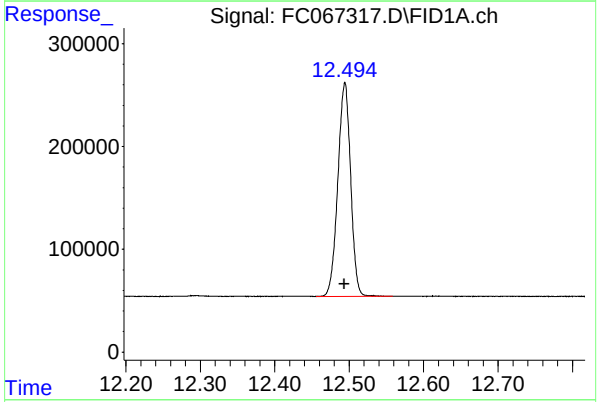
R.T.: 11.186 min
Delta R.T.: 0.000 min
Response: 2573183
Conc: 18.98 ug/ml



#9 ortho-Terphenyl (SURR)

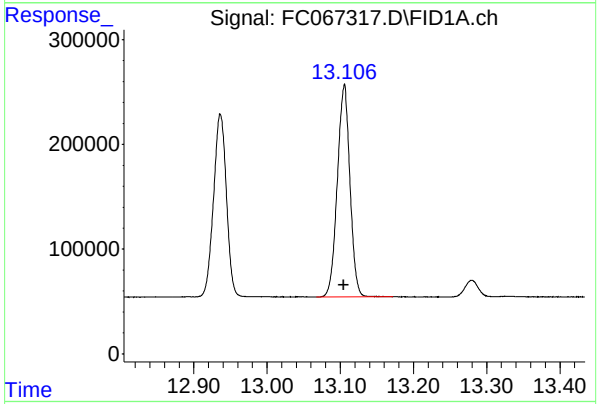
R.T.: 11.498 min
Delta R.T.: 0.000 min
Response: 2856514
Conc: 18.77 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



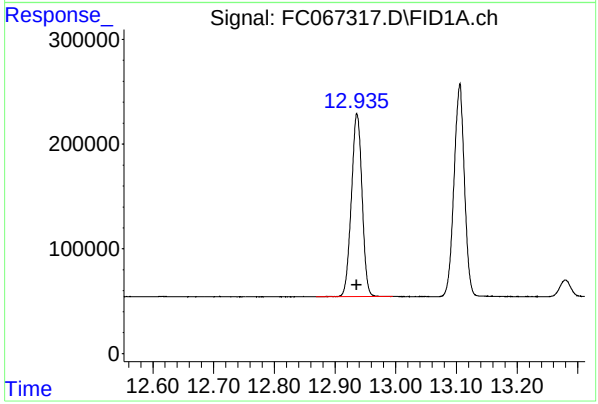
#10 n-Eicosane (C20)

R.T.: 12.494 min
Delta R.T.: 0.000 min
Response: 2485014
Conc: 19.03 ug/ml



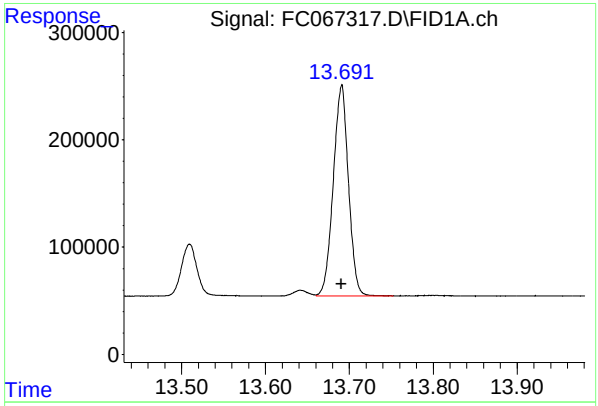
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 2426455
Conc: 18.92 ug/ml



#12 1-chlorooctadecane (SURR)

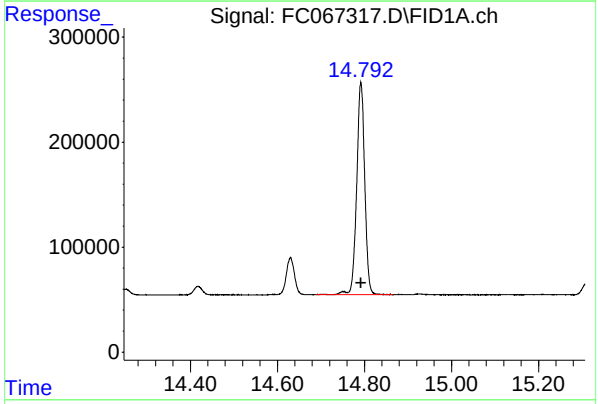
R.T.: 12.936 min
Delta R.T.: 0.000 min
Response: 2133568
Conc: 18.85 ug/ml



#13 n-Docosane (C22)

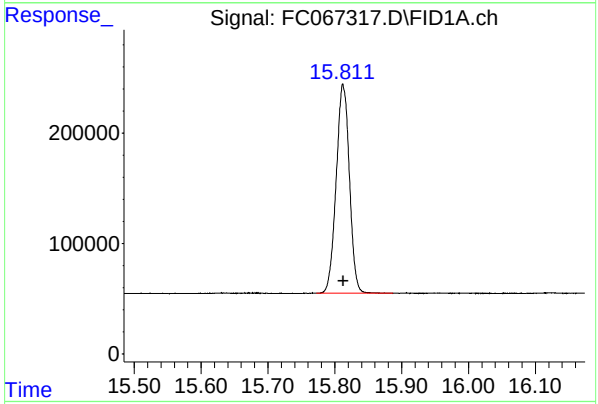
R.T.: 13.691 min
Delta R.T.: 0.000 min
Response: 2465913
Conc: 19.31 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



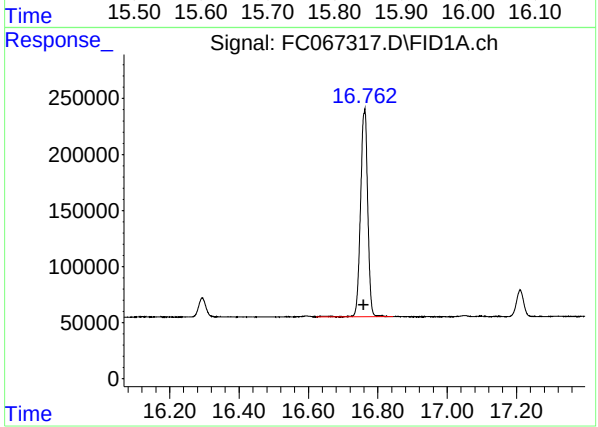
#14 n-Tetracosane (C24)

R.T.: 14.792 min
Delta R.T.: 0.000 min
Response: 2609769
Conc: 20.41 ug/ml



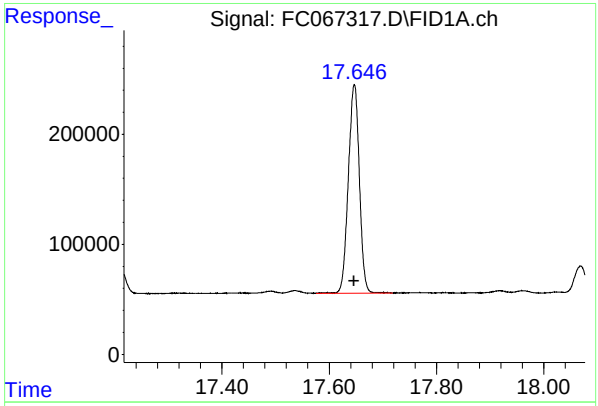
#15 n-Hexacosane (C26)

R.T.: 15.813 min
Delta R.T.: 0.000 min
Response: 2600091
Conc: 20.62 ug/ml



#16 n-Octacosane (C28)

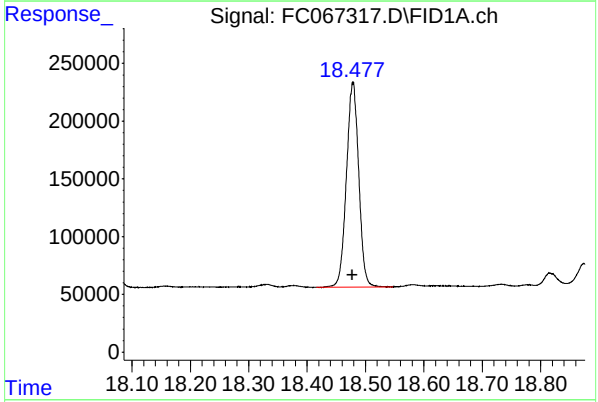
R.T.: 16.762 min
Delta R.T.: 0.002 min
Response: 2654837
Conc: 21.13 ug/ml



#17 n-Tricontane (C30)

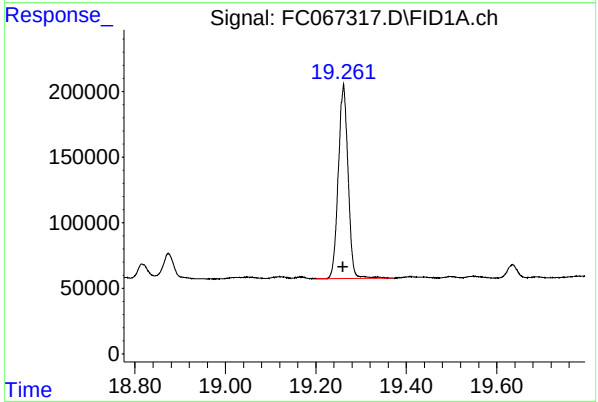
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 2708550
Conc: 21.03 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



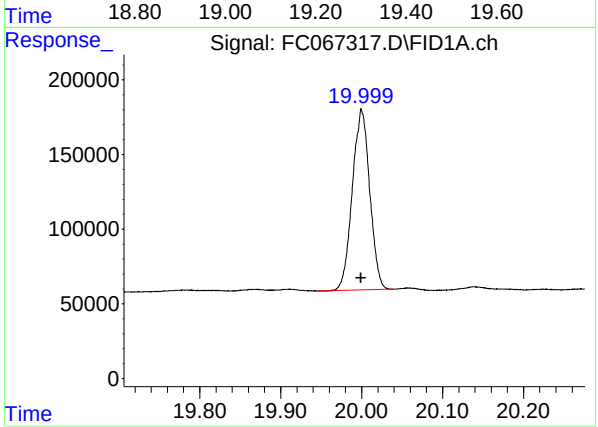
#18 n-Dotriacontane (C32)

R.T.: 18.478 min
Delta R.T.: 0.000 min
Response: 2596492
Conc: 20.78 ug/ml



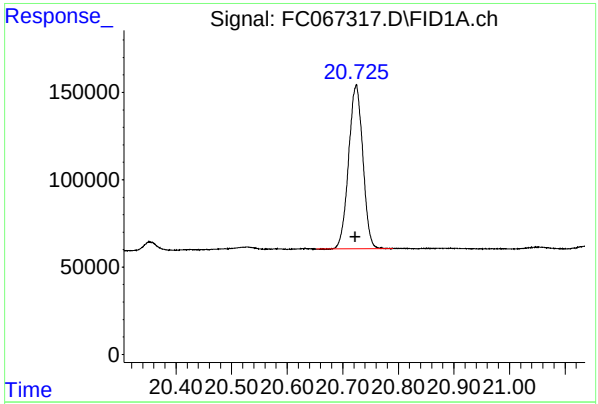
#19 n-Tetratriacontane (C34)

R.T.: 19.261 min
Delta R.T.: 0.001 min
Response: 2217081
Conc: 20.29 ug/ml



#20 n-Hexatriacontane (C36)

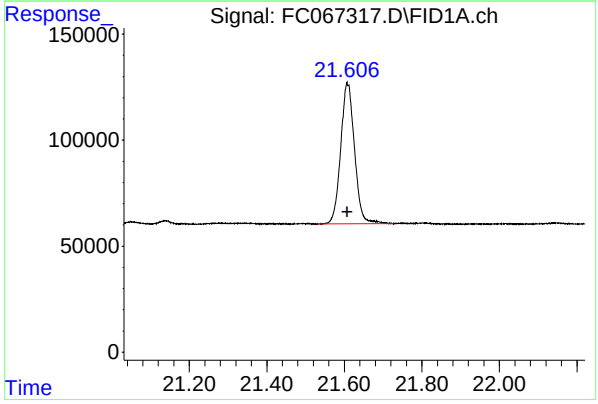
R.T.: 20.000 min
Delta R.T.: 0.000 min
Response: 1805047
Conc: 19.10 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.724 min
Delta R.T.: 0.000 min
Response: 1666956
Conc: 19.01 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.608 min
Delta R.T.: 0.000 min
Response: 1643254
Conc: 19.10 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC100224AL\
Data File : FC067317.D
Signal(s) : FID1A.ch
Acq On : 30 Sep 2024 14:29
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.270	3.245	3.329	BB	288931	2407553	84.28%	4.542%
2	4.336	4.290	4.407	BB	261348	2442213	85.50%	4.607%
3	5.915	5.860	6.014	BB	287508	2689038	94.14%	5.073%
4	6.353	6.297	6.399	BB	245767	2456420	85.99%	4.634%
5	6.970	6.924	7.065	BB	249458	2597570	90.93%	4.900%
6	8.146	8.084	8.232	BB	228794	2450775	85.80%	4.623%
7	9.746	9.709	9.839	BB	216843	2523898	88.36%	4.761%
8	11.186	11.137	11.269	BB	220536	2573183	90.08%	4.854%
9	11.498	11.437	11.562	BB	258215	2856514	100.00%	5.389%
10	12.494	12.455	12.559	BB	207733	2485014	86.99%	4.688%
11	12.936	12.869	12.995	BB	173785	2133568	74.69%	4.025%
12	13.105	13.067	13.172	BB	202480	2426455	84.94%	4.577%
13	13.691	13.660	13.752	VB	195897	2465913	86.33%	4.652%
14	14.792	14.689	14.865	BB	201649	2609769	91.36%	4.923%
15	15.813	15.772	15.887	BB	189215	2600091	91.02%	4.905%
16	16.762	16.622	16.844	BB	184812	2654837	92.94%	5.008%
17	17.647	17.575	17.719	BB	189586	2708550	94.82%	5.109%
18	18.478	18.415	18.547	BV	176605	2596492	90.90%	4.898%
19	19.261	19.200	19.370	BB	146116	2217081	77.61%	4.182%
20	20.000	19.944	20.039	BV	119921	1805047	63.19%	3.405%
21	20.724	20.652	20.790	BB	93568	1666956	58.36%	3.145%
22	21.608	21.527	21.725	BB	65123	1643254	57.53%	3.100%
			Sum of corrected areas:			53010189		

Aliphatic EPH 100224.M Tue Oct 01 09:22:28 2024

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

Inital Calibration Report for SequenceID : FC102324AL

AreaCount

Parameter Range	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.D	
Aliphatic C9-C12	39022992.000	19933185.000	8061570.000	4198329.000	2101198.000	
Aliphatic C12-C16	25467967.000	12990634.000	5208245.000	2702045.000	1358541.000	
Aliphatic C16-C21	36713606.000	18782701.000	7526010.000	3934678.000	1979840.000	
Aliphatic C21-C28	45946180.000	23609090.000	9458827.000	4951672.000	2510279.000	
Aliphatic C28-C40	56250650.000	29316600.000	11954663.000	6283522.000	3289360.000	
Aliphatic EPH	203401395.000	104632210.000	42209315.000	22070246.000	11239218.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	135469.6413332	3.265				
Aliphatic C12-C16	131681.73	2.772				
Aliphatic C16-C21	127235.0919996	3.261				
Aliphatic C21-C28	120090.3975	3.678				
Aliphatic C28-C40	101093.1949996	6.133				
Aliphatic EPH	118799.912222	4.081				

Concentration

Parameter Range	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.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	FC067506.D	FC067507.D	FC067508.D	FC067509.D	FC067510.D	
Aliphatic C9-C12	130076.640000	132887.900000	134359.500000	139944.300000	140079.866666	
Aliphatic C12-C16	127339.835000	129906.340000	130206.125000	135102.250000	135854.100000	
Aliphatic C16-C21	122378.686666	125218.006666	125433.500000	131155.933333	131989.333333	

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

Inital Calibration Report for SequenceID : FC102324AL

Aliphatic C21-C28	114865.450000	118045.450000	118235.337500	123791.800000	125513.950000	
Aliphatic C28-C40	93751.083333	97722.000000	99622.191666	104725.366666	109645.333333	
Aliphatic EPH	113000.775000	116258.011111	117248.097222	122612.477777	124880.200000	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067506.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 23 17:19:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 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			
9) S	ortho-Terphenyl (SURR)	11.506	14037783	98.632 ug/ml
Spiked Amount	50.000		Recovery =	197.26%
12) S	1-chlorooctadecane (S...	12.941	10490435	99.221 ug/ml
Spiked Amount	50.000		Recovery =	198.44%
	Target Compounds			
1) T	n-Nonane (C9)	3.278	12920314	98.296 ug/ml
2) T	n-Decane (C10)	4.343	13085907	98.393 ug/ml
3) T	A~Naphthalene (C11.7)	5.922	14394132	98.923 ug/ml
4) T	n-Dodecane (C12)	6.360	13016771	98.452 ug/ml
5) T	A~2-methylnaphthalene...	6.979	13836866	99.334 ug/ml
6) T	n-Tetradecane (C14)	8.152	12659193	98.737 ug/ml
7) T	n-Hexadecane (C16)	9.751	12808774	99.036 ug/ml
8) T	n-Octadecane (C18)	11.193	12738874	98.786 ug/ml
10) T	n-Eicosane (C20)	12.499	12105735	98.678 ug/ml
11) T	n-Heneicosane (C21)	13.110	11868997	98.838 ug/ml
13) T	n-Docosane (C22)	13.695	11751176	98.736 ug/ml
14) T	n-Tetracosane (C24)	14.797	11637443	98.776 ug/ml
15) T	n-Hexacosane (C26)	15.816	11410589	98.652 ug/ml
16) T	n-Octacosane (C28)	16.765	11146972	98.035 ug/ml
17) T	n-Tricontane (C30)	17.651	11224678	97.103 ug/ml
18) T	n-Dotriacontane (C32)	18.483	10806351	96.387 ug/ml
19) T	n-Tetratriacontane (C34)	19.263	9619727	96.453 ug/ml
20) T	n-Hexatriacontane (C36)	20.002	8494635	97.259 ug/ml
21) T	n-Octatriacontane (C38)	20.726	8112623	97.297 ug/ml
22) T	n-Tetracontane (C40)	21.614	7992636	97.524 ug/ml

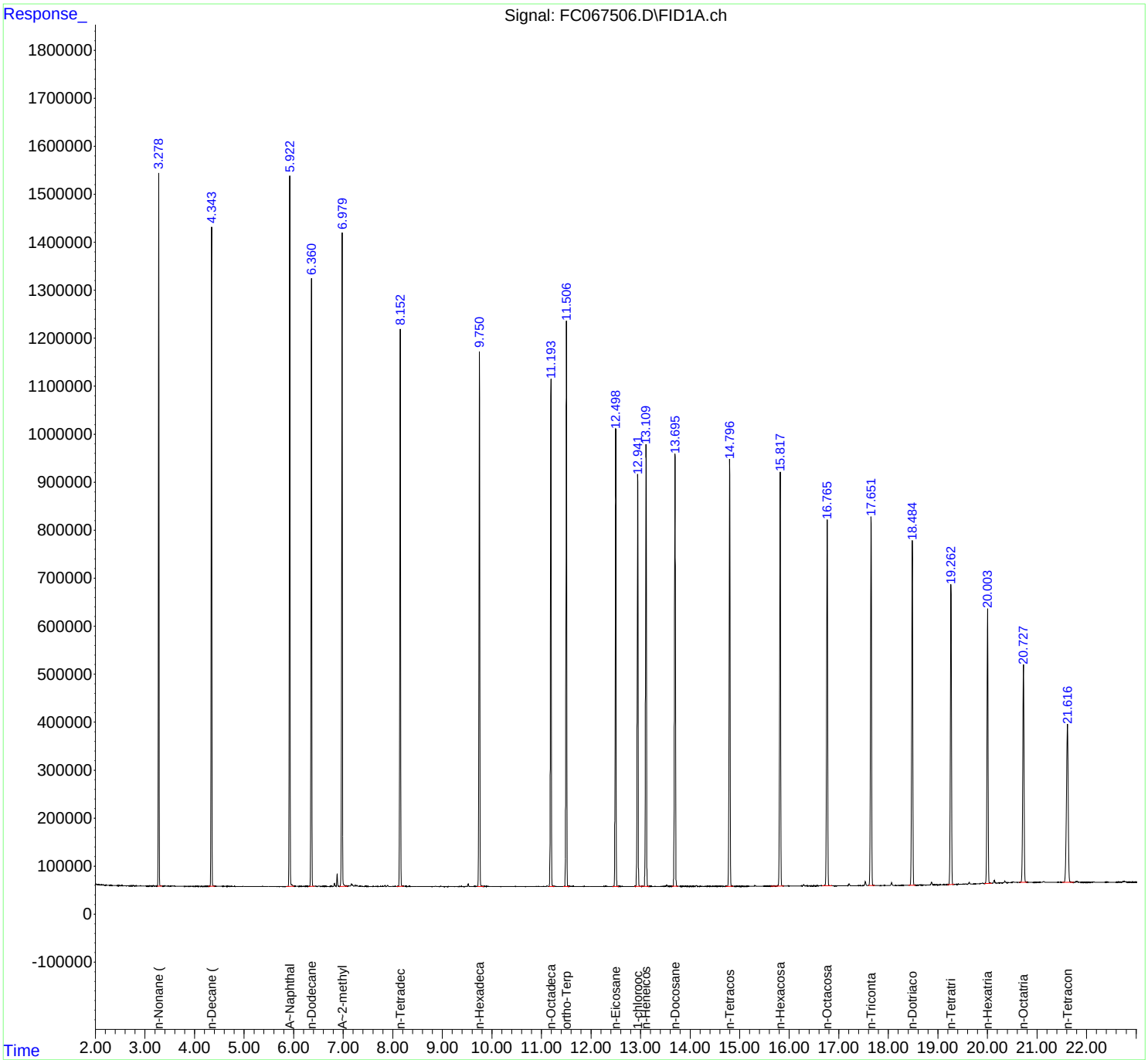
(f)=RT Delta > 1/2 Window (m)=manual int.

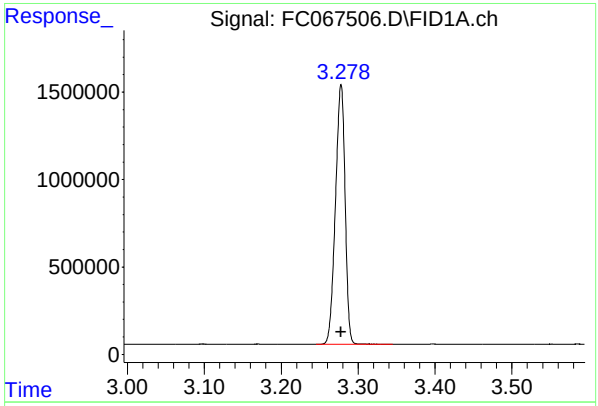
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067506.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 23 17:19:34 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

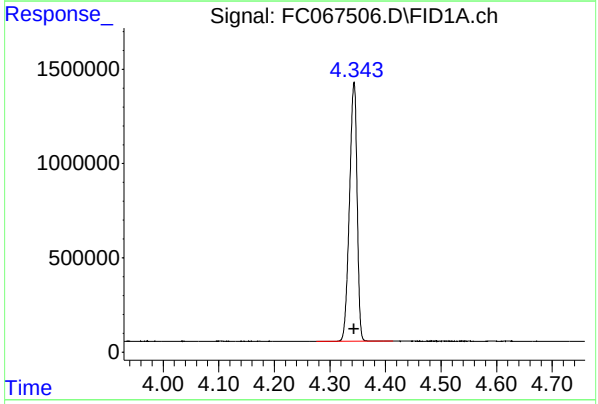




#1 n-Nonane (C9)

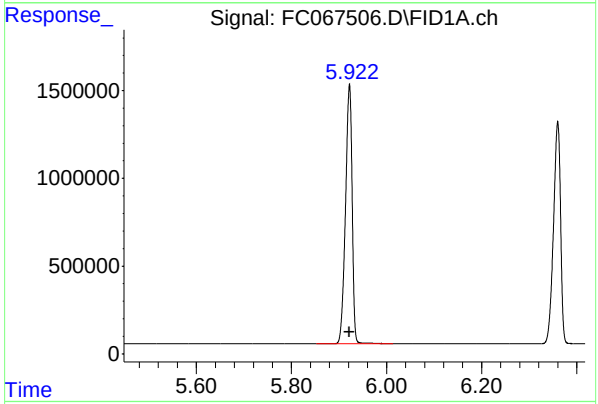
R.T.: 3.278 min
Delta R.T.: 0.000 min
Response: 12920314
Conc: 98.30 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



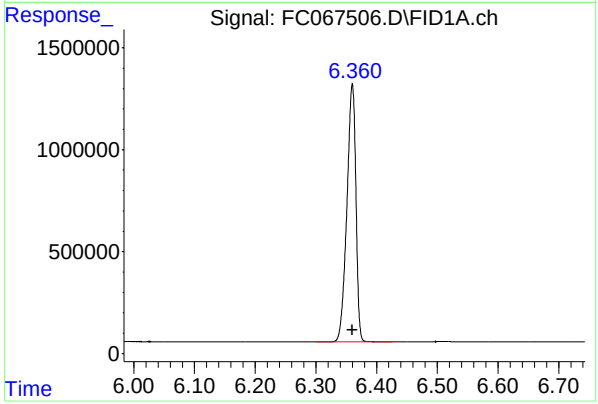
#2 n-Decane (C10)

R.T.: 4.343 min
Delta R.T.: 0.000 min
Response: 13085907
Conc: 98.39 ug/ml



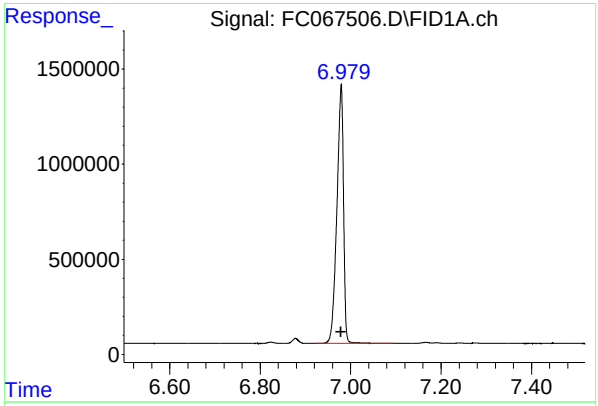
#3 A~Naphthalene (C11.7)

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 14394132
Conc: 98.92 ug/ml



#4 n-Dodecane (C12)

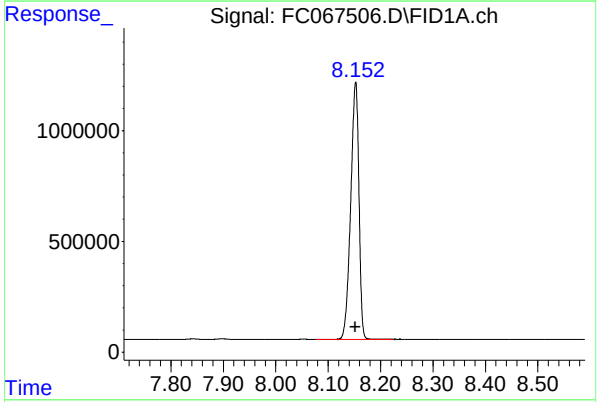
R.T.: 6.360 min
Delta R.T.: 0.000 min
Response: 13016771
Conc: 98.45 ug/ml



#5 A~2-methylnaphthalene (C12.89)

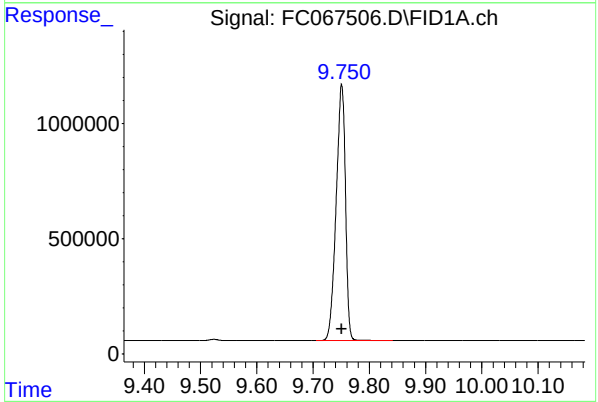
R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 13836866
Conc: 99.33 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



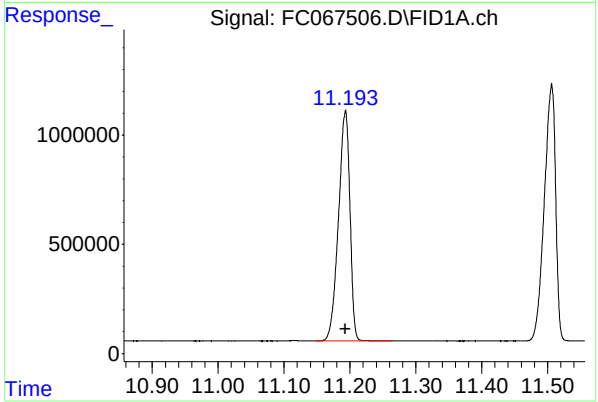
#6 n-Tetradecane (C14)

R.T.: 8.152 min
Delta R.T.: 0.000 min
Response: 12659193
Conc: 98.74 ug/ml



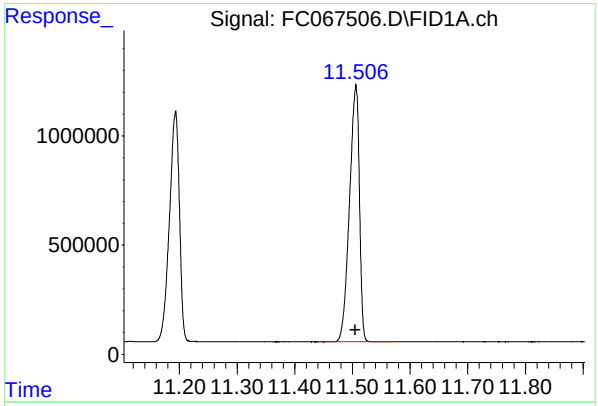
#7 n-Hexadecane (C16)

R.T.: 9.751 min
Delta R.T.: 0.000 min
Response: 12808774
Conc: 99.04 ug/ml



#8 n-Octadecane (C18)

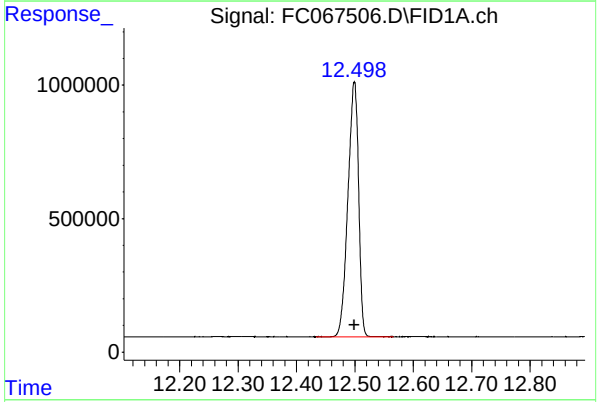
R.T.: 11.193 min
Delta R.T.: 0.000 min
Response: 12738874
Conc: 98.79 ug/ml



#9 ortho-Terphenyl (SURR)

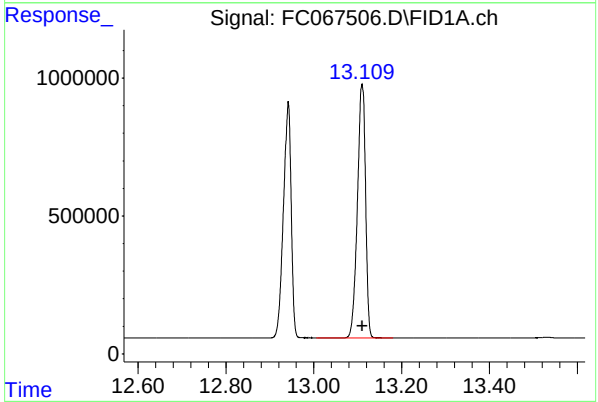
R.T.: 11.506 min
Delta R.T.: 0.000 min
Response: 14037783
Conc: 98.63 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



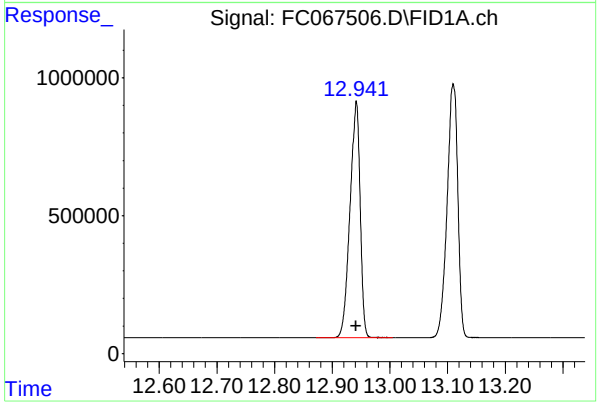
#10 n-Eicosane (C20)

R.T.: 12.499 min
Delta R.T.: 0.000 min
Response: 12105735
Conc: 98.68 ug/ml



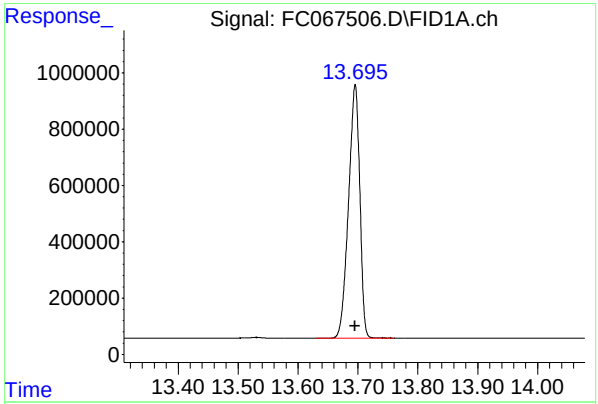
#11 n-Heneicosane (C21)

R.T.: 13.110 min
Delta R.T.: 0.000 min
Response: 11868997
Conc: 98.84 ug/ml



#12 1-chlorooctadecane (SURR)

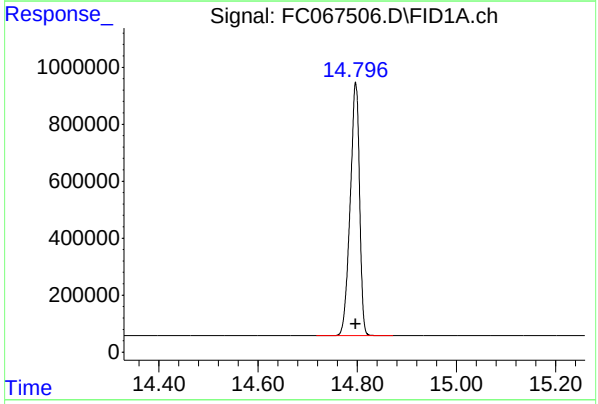
R.T.: 12.941 min
Delta R.T.: 0.000 min
Response: 10490435
Conc: 99.22 ug/ml



#13 n-Docosane (C22)

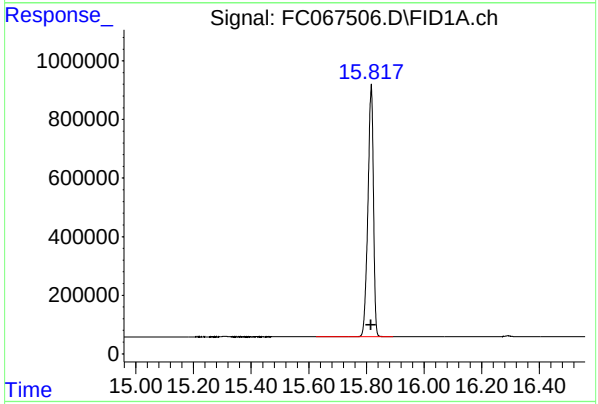
R.T.: 13.695 min
Delta R.T.: 0.000 min
Response: 11751176
Conc: 98.74 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



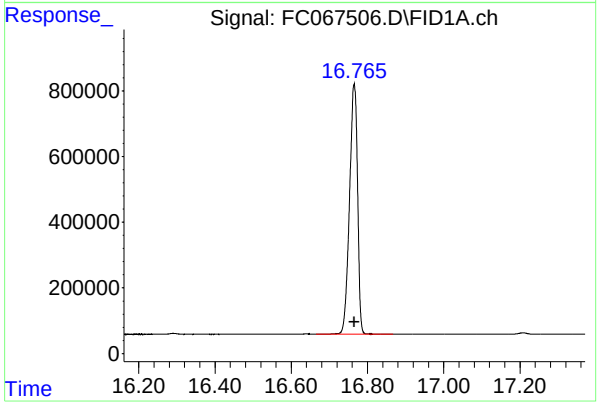
#14 n-Tetracosane (C24)

R.T.: 14.797 min
Delta R.T.: 0.000 min
Response: 11637443
Conc: 98.78 ug/ml



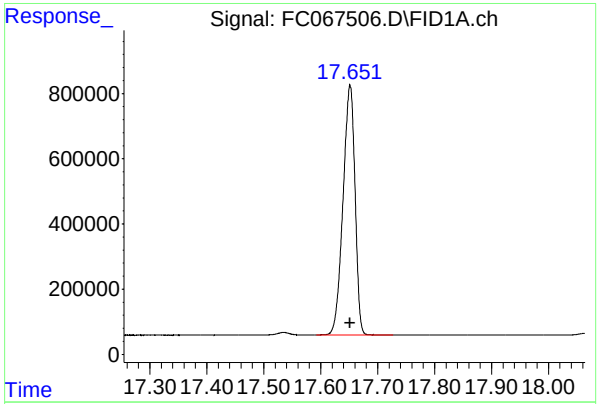
#15 n-Hexacosane (C26)

R.T.: 15.816 min
Delta R.T.: 0.000 min
Response: 11410589
Conc: 98.65 ug/ml



#16 n-Octacosane (C28)

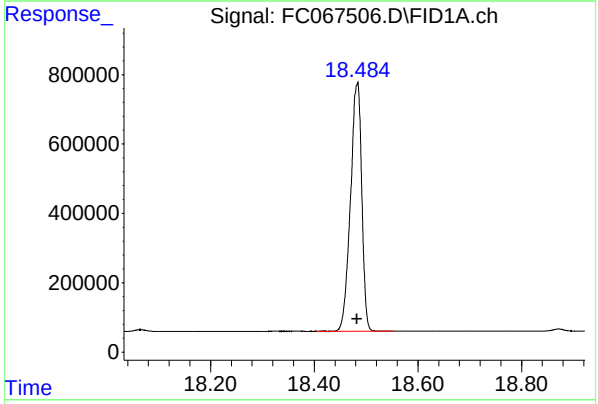
R.T.: 16.765 min
Delta R.T.: 0.000 min
Response: 11146972
Conc: 98.03 ug/ml



#17 n-Tricontane (C30)

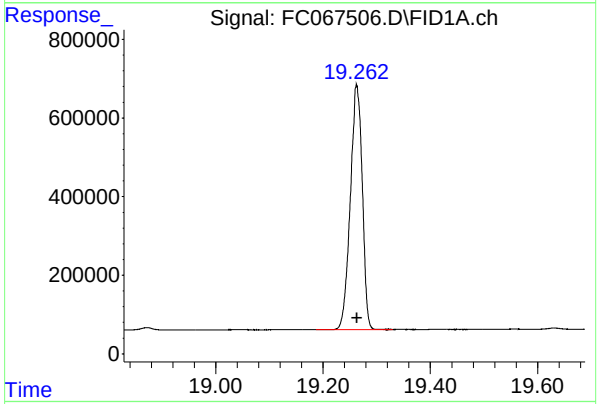
R.T.: 17.651 min
Delta R.T.: 0.000 min
Response: 11224678
Conc: 97.10 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



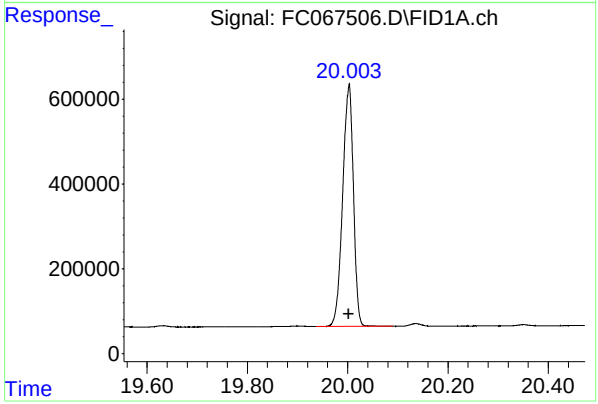
#18 n-Dotriacontane (C32)

R.T.: 18.483 min
Delta R.T.: 0.000 min
Response: 10806351
Conc: 96.39 ug/ml



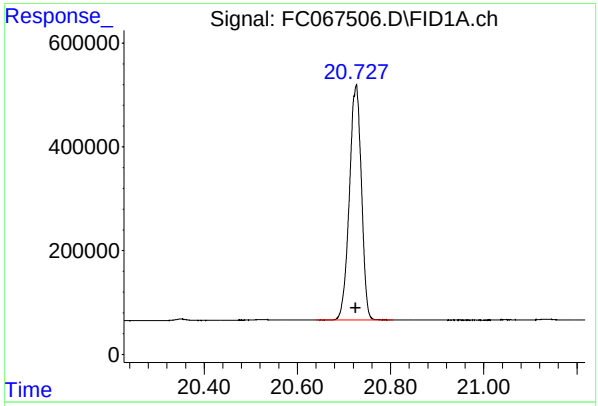
#19 n-Tetratriacontane (C34)

R.T.: 19.263 min
Delta R.T.: 0.000 min
Response: 9619727
Conc: 96.45 ug/ml



#20 n-Hexatriacontane (C36)

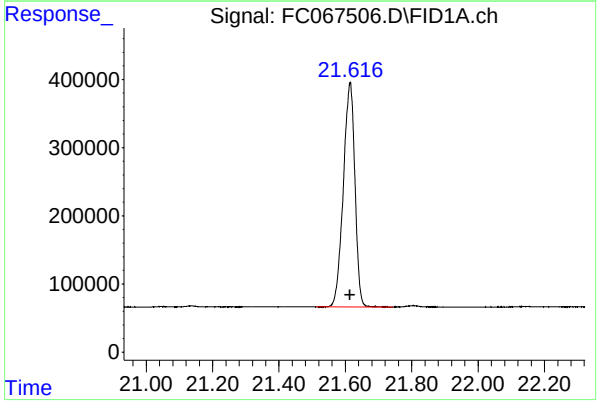
R.T.: 20.002 min
Delta R.T.: 0.000 min
Response: 8494635
Conc: 97.26 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.726 min
Delta R.T.: 0.000 min
Response: 8112623
Conc: 97.30 ug/ml

Instrument :
FID_C
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.614 min
Delta R.T.: 0.000 min
Response: 7992636
Conc: 97.52 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067506.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:12
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	3.278	3.245	3.345	BB	1482982	12920314	89.76%	5.044%
2	4.343	4.275	4.414	BB	1378444	13085907	90.91%	5.108%
3	5.922	5.852	6.014	BB	1478546	14394132	100.00%	5.619%
4	6.360	6.300	6.427	BB	1268307	13016771	90.43%	5.081%
5	6.979	6.924	7.094	BV	1345672	13836866	96.13%	5.402%
6	8.152	8.077	8.224	BB	1158926	12659193	87.95%	4.942%
7	9.751	9.705	9.842	BB	1114390	12808774	88.99%	5.000%
8	11.193	11.149	11.265	BV	1059950	12738874	88.50%	4.973%
9	11.506	11.437	11.570	BB	1165644	14037783	97.52%	5.480%
10	12.499	12.434	12.565	BB	956464	12105735	84.10%	4.726%
11	12.941	12.872	13.005	BB	861029	10490435	72.88%	4.095%
12	13.110	13.005	13.180	BB	919632	11868997	82.46%	4.633%
13	13.695	13.630	13.759	BB	900624	11751176	81.64%	4.587%
14	14.797	14.717	14.872	BB	888415	11637443	80.85%	4.543%
15	15.816	15.625	15.892	BB	863938	11410589	79.27%	4.454%
16	16.765	16.665	16.867	BB	761325	11146972	77.44%	4.352%
17	17.651	17.592	17.727	BB	765890	11224678	77.98%	4.382%
18	18.483	18.404	18.552	BB	712666	10806351	75.07%	4.219%
19	19.263	19.187	19.330	BB	619243	9619727	66.83%	3.755%
20	20.002	19.937	20.090	BB	565569	8494635	59.01%	3.316%
21	20.726	20.640	20.805	BB	451489	8112623	56.36%	3.167%
22	21.614	21.512	21.744	BB	329592	7992636	55.53%	3.120%
			Sum of corrected areas:			256160611		

Aliphatic EPH 102324.M Wed Oct 23 18:20:49 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067507.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

12

A B C D E F G H I J

Integration File: autoint1.e
Quant Time: Oct 23 17:21:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 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			
9) S	ortho-Terphenyl (SURR)	11.500	7186867	50.330 ug/ml
Spiked Amount	50.000		Recovery =	100.66%
12) S	1-chlorooctadecane (S...	12.937	5350584	50.403 ug/ml
Spiked Amount	50.000		Recovery =	100.81%
	Target Compounds			
1) T	n-Nonane (C9)	3.275	6596270	50.122 ug/ml
2) T	n-Decane (C10)	4.340	6686022	50.181 ug/ml
3) T	A~Naphthalene (C11.7)	5.918	7350672	50.344 ug/ml
4) T	n-Dodecane (C12)	6.356	6650893	50.202 ug/ml
5) T	A~2-methylnaphthalene...	6.974	7049073	50.402 ug/ml
6) T	n-Tetradecane (C14)	8.149	6466785	50.292 ug/ml
7) T	n-Hexadecane (C16)	9.747	6523849	50.293 ug/ml
8) T	n-Octadecane (C18)	11.188	6511575	50.329 ug/ml
10) T	n-Eicosane (C20)	12.495	6199533	50.355 ug/ml
11) T	n-Heneicosane (C21)	13.105	6071593	50.372 ug/ml
13) T	n-Docosane (C22)	13.691	6022373	50.399 ug/ml
14) T	n-Tetracosane (C24)	14.793	5967985	50.435 ug/ml
15) T	n-Hexacosane (C26)	15.812	5860085	50.441 ug/ml
16) T	n-Octacosane (C28)	16.761	5758647	50.429 ug/ml
17) T	n-Tricontane (C30)	17.647	5830292	50.290 ug/ml
18) T	n-Dotriacontane (C32)	18.477	5634053	50.168 ug/ml
19) T	n-Tetratriacontane (C34)	19.260	5024380	50.251 ug/ml
20) T	n-Hexatriacontane (C36)	19.998	4430530	50.483 ug/ml
21) T	n-Octatriacontane (C38)	20.720	4230730	50.491 ug/ml
22) T	n-Tetracontane (C40)	21.606	4166615	50.557 ug/ml

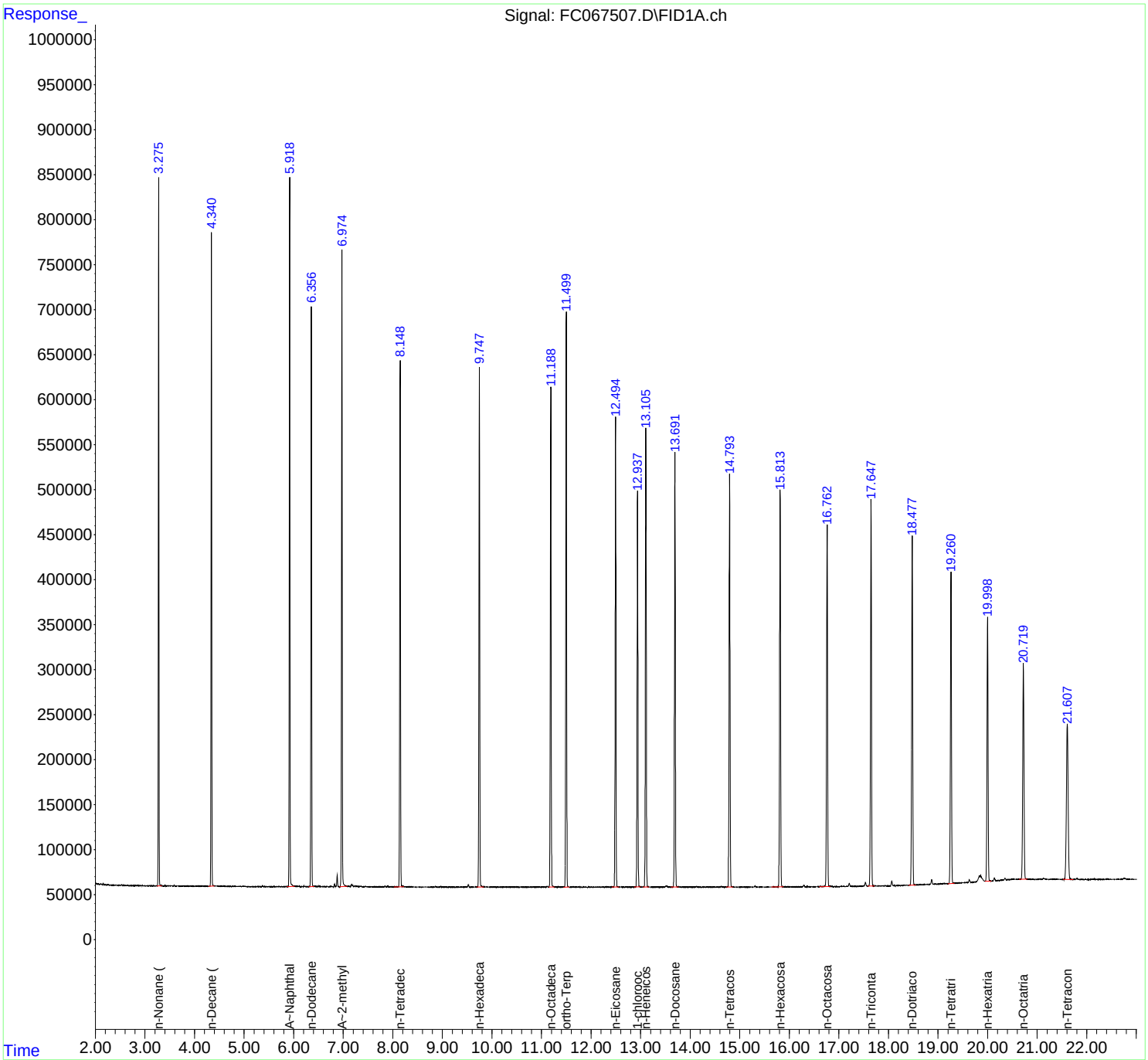
(f)=RT Delta > 1/2 Window (m)=manual int.

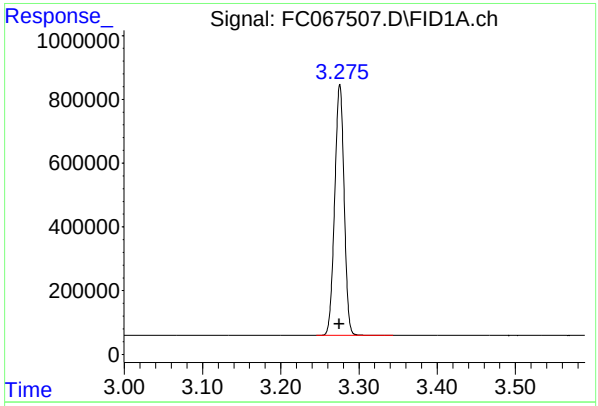
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067507.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 23 17:21:14 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:19:01 2024
Response via : Initial Calibration
Integrator: ChemStation

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

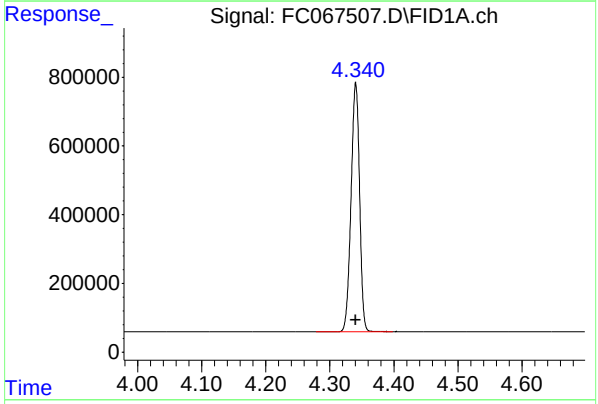




#1 n-Nonane (C9)

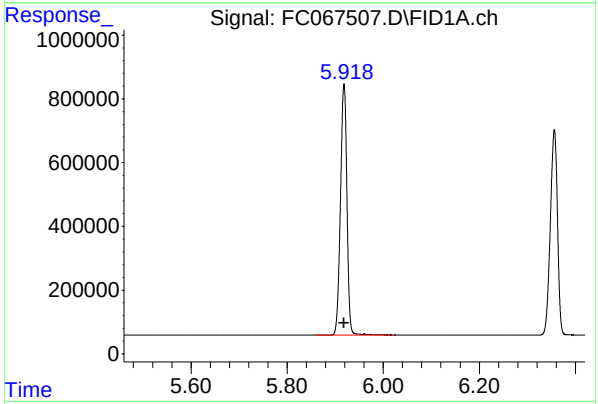
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 6596270
Conc: 50.12 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



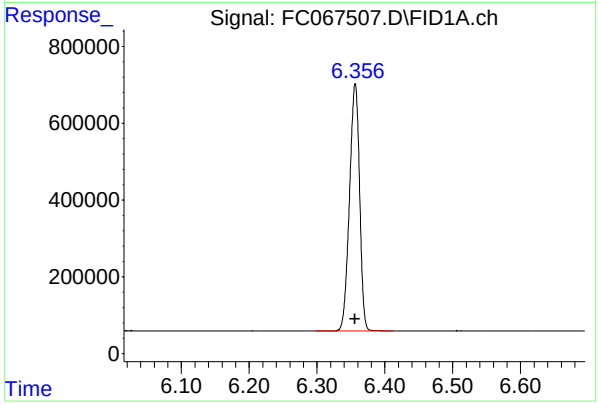
#2 n-Decane (C10)

R.T.: 4.340 min
Delta R.T.: 0.000 min
Response: 6686022
Conc: 50.18 ug/ml



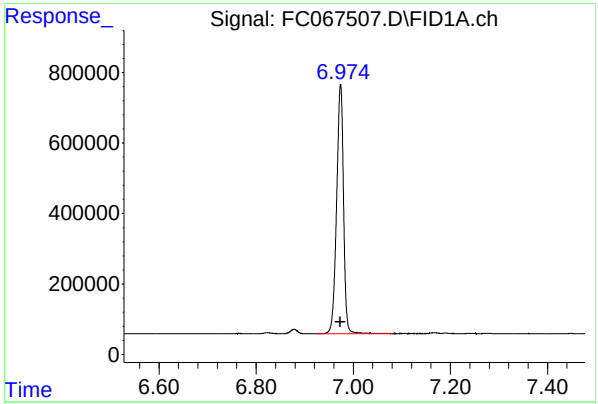
#3 A~Naphthalene (C11.7)

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 7350672
Conc: 50.34 ug/ml



#4 n-Dodecane (C12)

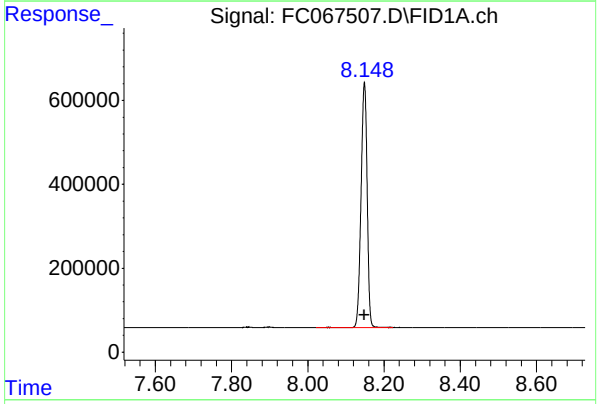
R.T.: 6.356 min
Delta R.T.: 0.000 min
Response: 6650893
Conc: 50.20 ug/ml



#5 A~2-methylnaphthalene (C12.89)

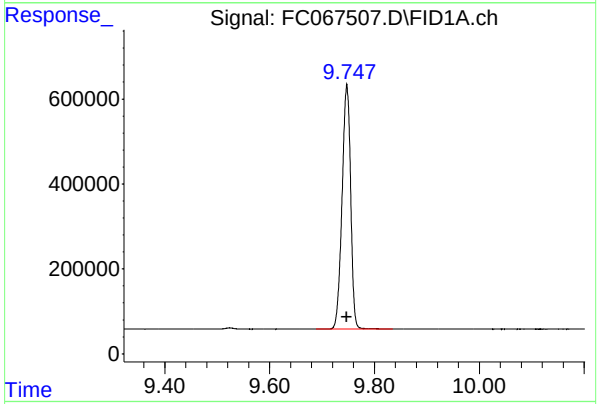
R.T.: 6.974 min
Delta R.T.: 0.000 min
Response: 7049073
Conc: 50.40 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



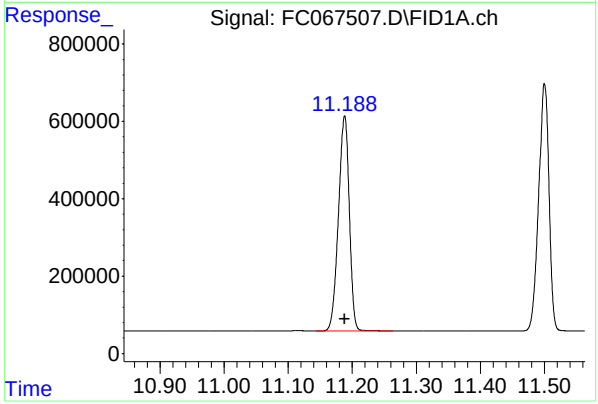
#6 n-Tetradecane (C14)

R.T.: 8.149 min
Delta R.T.: 0.000 min
Response: 6466785
Conc: 50.29 ug/ml



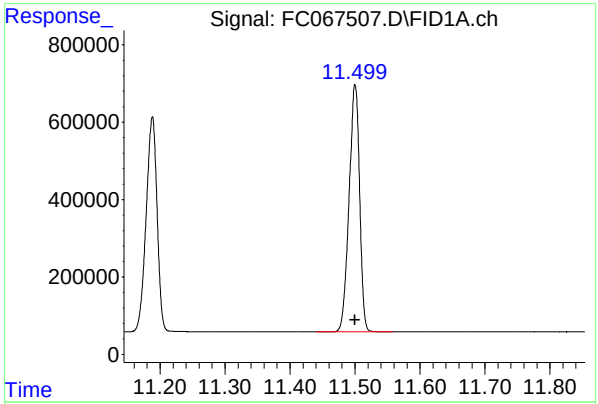
#7 n-Hexadecane (C16)

R.T.: 9.747 min
Delta R.T.: 0.000 min
Response: 6523849
Conc: 50.29 ug/ml



#8 n-Octadecane (C18)

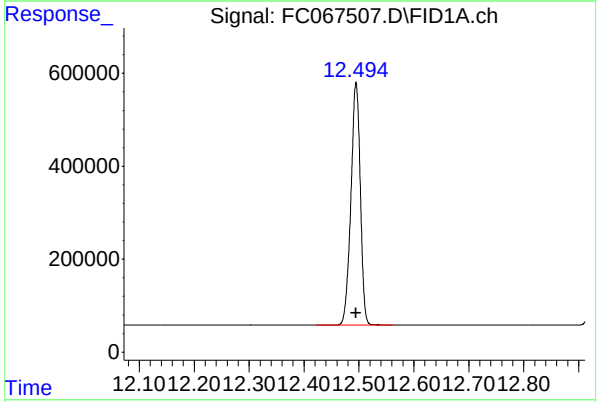
R.T.: 11.188 min
Delta R.T.: 0.000 min
Response: 6511575
Conc: 50.33 ug/ml



#9 ortho-Terphenyl (SURR)

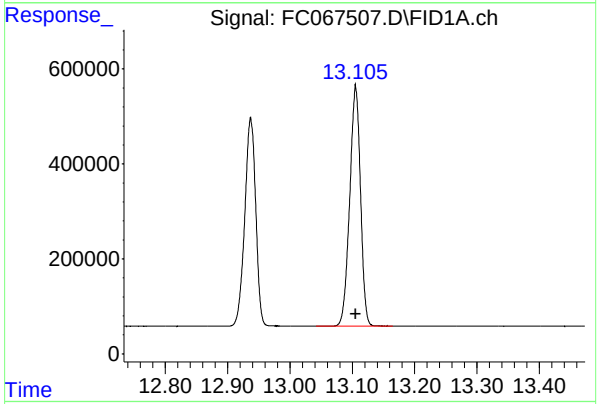
R.T.: 11.500 min
Delta R.T.: 0.000 min
Response: 7186867
Conc: 50.33 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



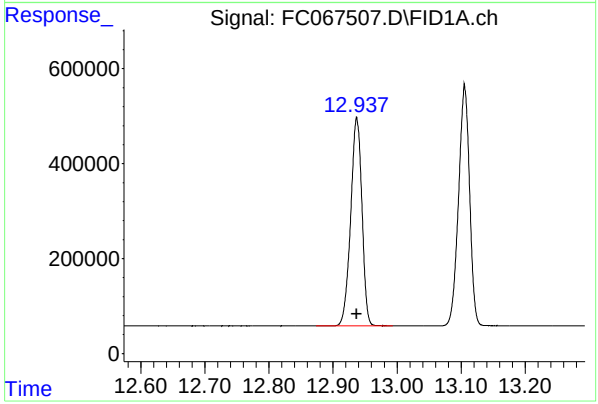
#10 n-Eicosane (C20)

R.T.: 12.495 min
Delta R.T.: 0.000 min
Response: 6199533
Conc: 50.36 ug/ml



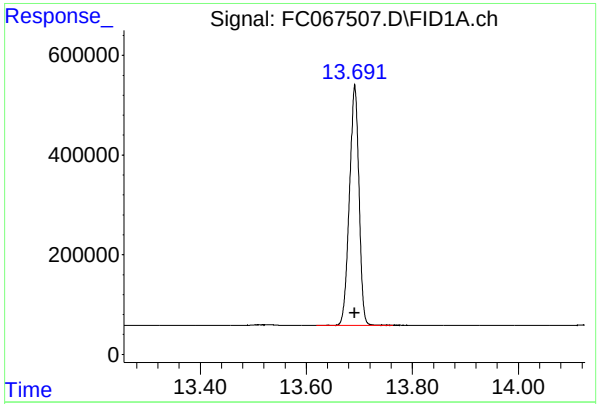
#11 n-Heneicosane (C21)

R.T.: 13.105 min
Delta R.T.: 0.000 min
Response: 6071593
Conc: 50.37 ug/ml



#12 1-chlorooctadecane (SURR)

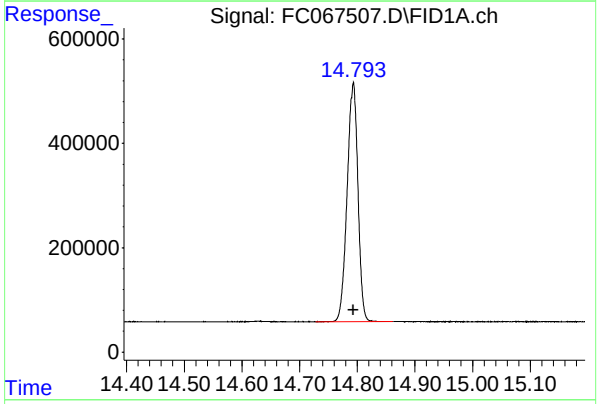
R.T.: 12.937 min
Delta R.T.: 0.000 min
Response: 5350584
Conc: 50.40 ug/ml



#13 n-Docosane (C22)

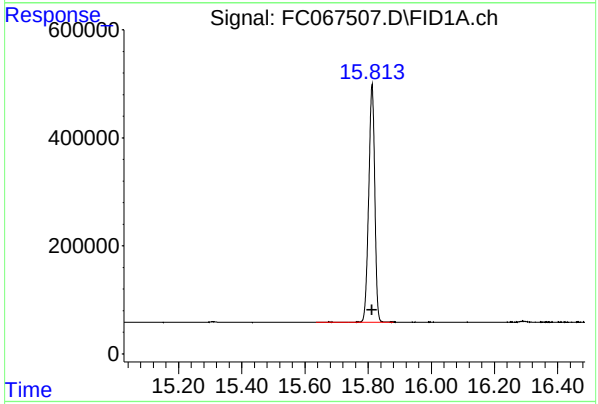
R.T.: 13.691 min
Delta R.T.: 0.000 min
Response: 6022373
Conc: 50.40 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



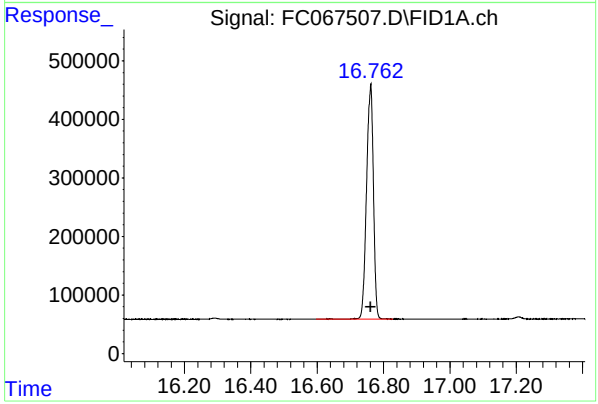
#14 n-Tetracosane (C24)

R.T.: 14.793 min
Delta R.T.: 0.000 min
Response: 5967985
Conc: 50.43 ug/ml



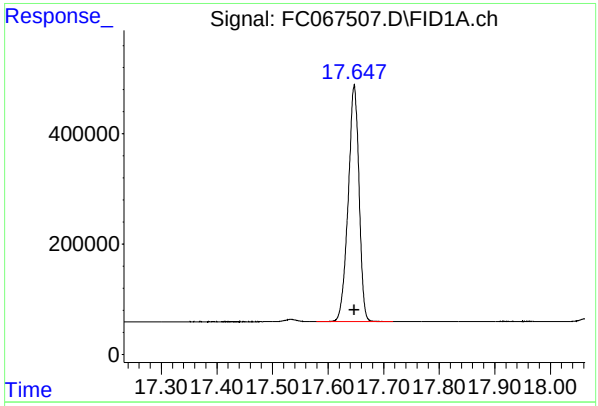
#15 n-Hexacosane (C26)

R.T.: 15.812 min
Delta R.T.: 0.000 min
Response: 5860085
Conc: 50.44 ug/ml



#16 n-Octacosane (C28)

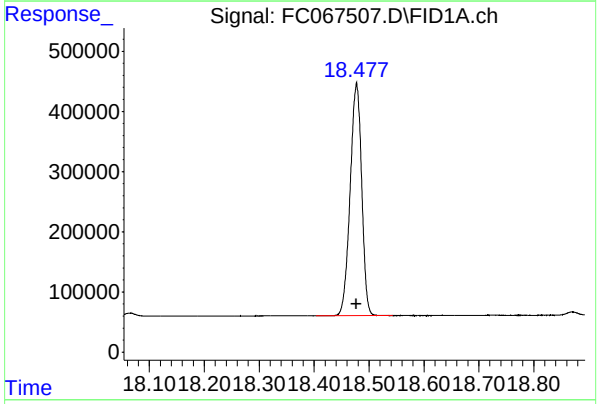
R.T.: 16.761 min
Delta R.T.: 0.000 min
Response: 5758647
Conc: 50.43 ug/ml



#17 n-Tricontane (C30)

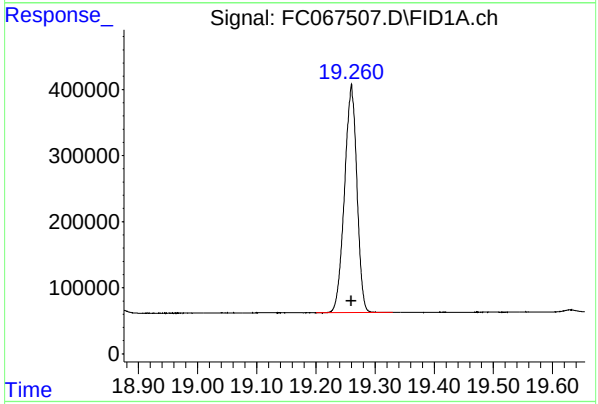
R.T.: 17.647 min
Delta R.T.: 0.000 min
Response: 5830292
Conc: 50.29 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



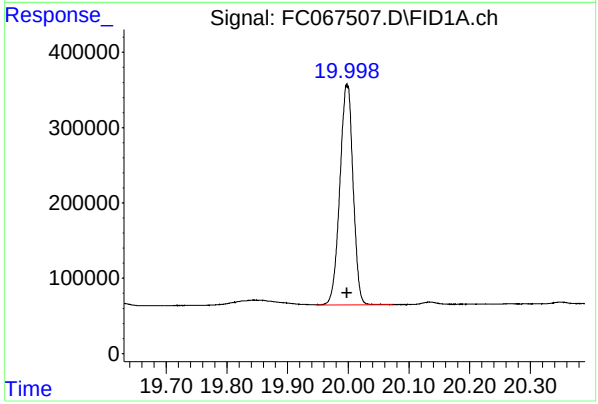
#18 n-Dotriacontane (C32)

R.T.: 18.477 min
Delta R.T.: 0.000 min
Response: 5634053
Conc: 50.17 ug/ml



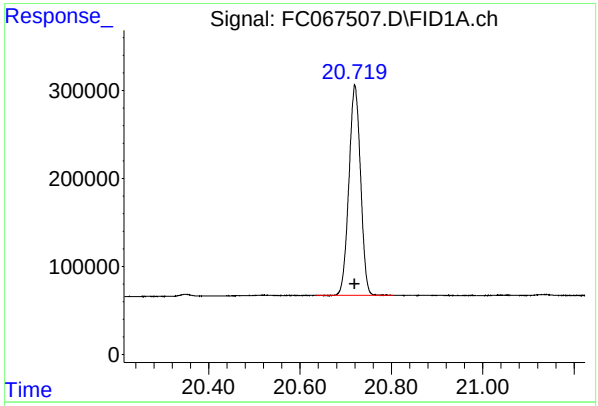
#19 n-Tetratriacontane (C34)

R.T.: 19.260 min
Delta R.T.: 0.000 min
Response: 5024380
Conc: 50.25 ug/ml



#20 n-Hexatriacontane (C36)

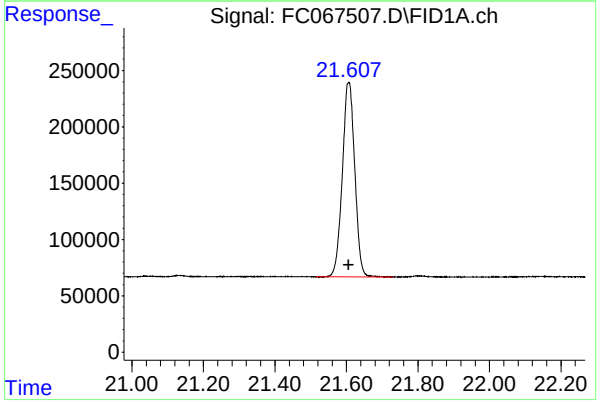
R.T.: 19.998 min
Delta R.T.: 0.000 min
Response: 4430530
Conc: 50.48 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.720 min
Delta R.T.: 0.000 min
Response: 4230730
Conc: 50.49 ug/ml

Instrument :
FID_C
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.606 min
Delta R.T.: 0.000 min
Response: 4166615
Conc: 50.56 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067507.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 15:48
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	3.245	3.343	BB	787475	6596270	89.74%	5.014%
2	4.340	4.278	4.398	BB	725048	6686022	90.96%	5.082%
3	5.918	5.860	6.020	BB	788107	7350672	100.00%	5.587%
4	6.356	6.298	6.412	BB	647440	6650893	90.48%	5.055%
5	6.974	6.923	7.082	BB	708667	7049073	95.90%	5.358%
6	8.149	8.022	8.223	BB	584678	6466785	87.98%	4.915%
7	9.747	9.688	9.835	BB	574143	6523849	88.75%	4.958%
8	11.188	11.143	11.263	BB	557552	6511575	88.58%	4.949%
9	11.500	11.440	11.558	BB	638489	7186867	97.77%	5.462%
10	12.495	12.422	12.562	BB	521546	6199533	84.34%	4.712%
11	12.937	12.873	12.993	BB	438883	5350584	72.79%	4.067%
12	13.105	13.042	13.165	BB	507791	6071593	82.60%	4.615%
13	13.691	13.618	13.763	BB	482823	6022373	81.93%	4.577%
14	14.793	14.728	14.862	BB	460497	5967985	81.19%	4.536%
15	15.812	15.635	15.878	BB	438034	5860085	79.72%	4.454%
16	16.761	16.597	16.828	BB	395517	5758647	78.34%	4.377%
17	17.647	17.578	17.717	BB	427620	5830292	79.32%	4.431%
18	18.477	18.403	18.543	BB	385150	5634053	76.65%	4.282%
19	19.260	19.200	19.330	BB	345032	5024380	68.35%	3.819%
20	19.998	19.947	20.073	VB	291698	4430530	60.27%	3.367%
21	20.720	20.635	20.803	BB	239127	4230730	57.56%	3.216%
22	21.606	21.515	21.730	BB	172709	4166615	56.68%	3.167%
			Sum of corrected areas:			131569405		

Aliphatic EPH 102324.M Wed Oct 23 18:21:16 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067508.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 23 17:17:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:16:59 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			
9) S	ortho-Terphenyl (SURR)	11.496	2885453	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12) S	1-chlorooctadecane (S...	12.935	2131037	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	n-Nonane (C9)	3.275	2673666	20.000 ug/ml
2) T	n-Decane (C10)	4.339	2702691	20.000 ug/ml
3) T	A~Naphthalene (C11.7)	5.916	2941492	20.000 ug/ml
4) T	n-Dodecane (C12)	6.354	2685213	20.000 ug/ml
5) T	A~2-methylnaphthalene...	6.971	2804469	20.000 ug/ml
6) T	n-Tetradecane (C14)	8.146	2596600	20.000 ug/ml
7) T	n-Hexadecane (C16)	9.745	2611645	20.000 ug/ml
8) T	n-Octadecane (C18)	11.185	2610385	20.000 ug/ml
10) T	n-Eicosane (C20)	12.492	2486010	20.000 ug/ml
11) T	n-Heneicosane (C21)	13.103	2429615	20.000 ug/ml
13) T	n-Docosane (C22)	13.688	2410406	20.000 ug/ml
14) T	n-Tetracosane (C24)	14.790	2385181	20.000 ug/ml
15) T	n-Hexacosane (C26)	15.809	2344463	20.000 ug/ml
16) T	n-Octacosane (C28)	16.757	2318777	20.000 ug/ml
17) T	n-Tricontane (C30)	17.644	2378909	20.000 ug/ml
18) T	n-Dotriacontane (C32)	18.475	2323289	20.000 ug/ml
19) T	n-Tetratriacontane (C34)	19.258	2065430	20.000 ug/ml
20) T	n-Hexatriacontane (C36)	19.995	1794670	20.000 ug/ml
21) T	n-Octatriacontane (C38)	20.718	1712685	20.000 ug/ml
22) T	n-Tetracontane (C40)	21.604	1679680	20.000 ug/ml

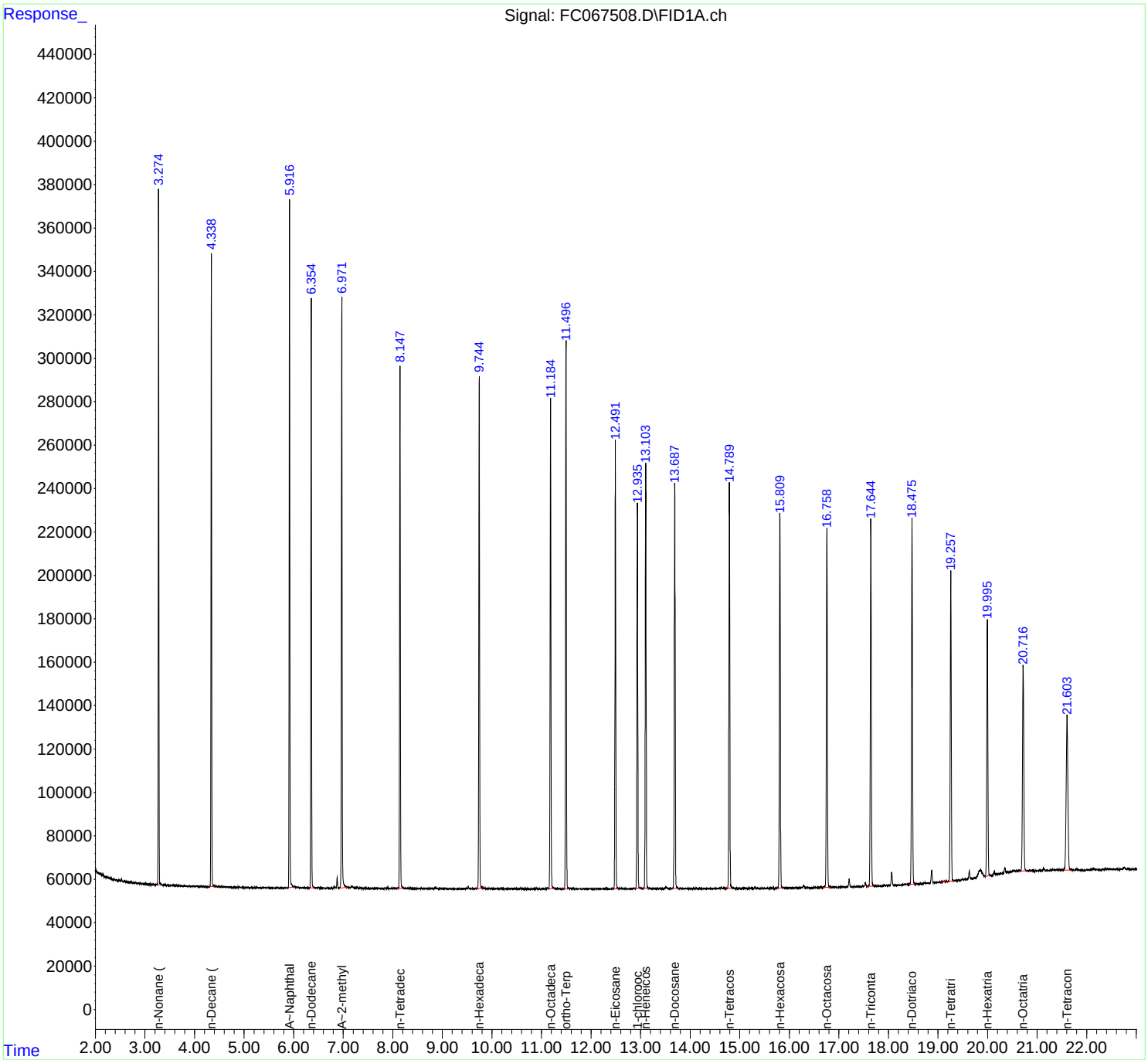
(f)=RT Delta > 1/2 Window (m)=manual int.

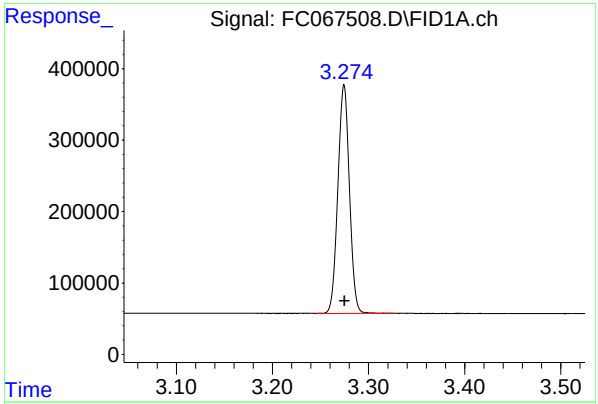
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067508.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 23 17:17:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:16:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

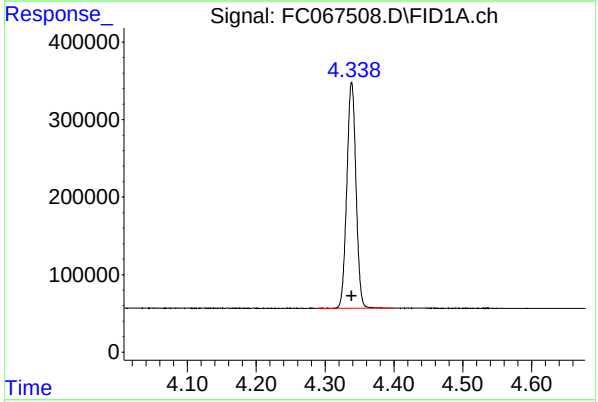




#1 n-Nonane (C9)

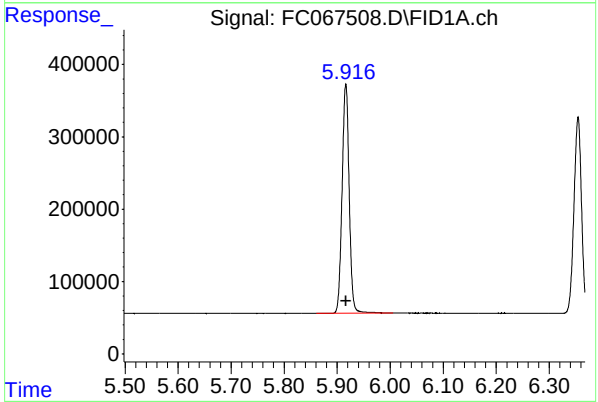
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 2673666
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



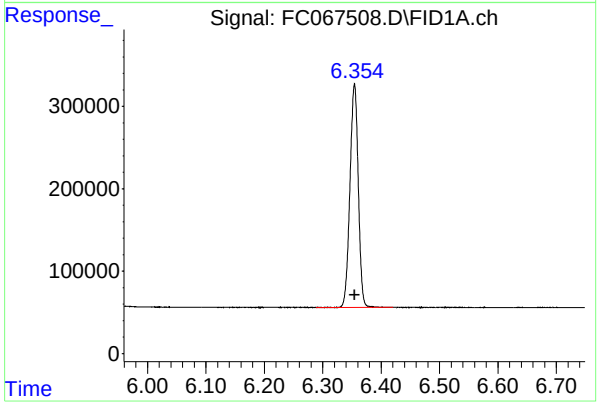
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 2702691
Conc: 20.00 ug/ml



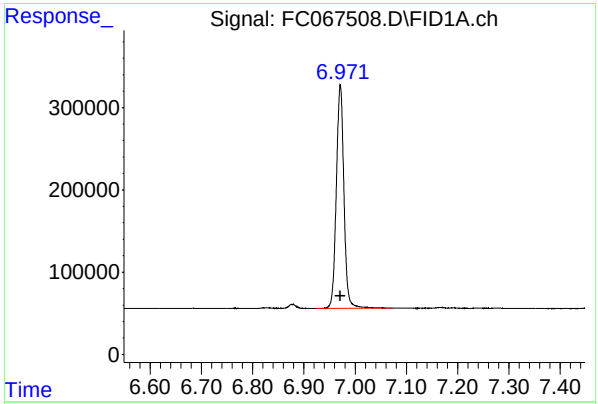
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 2941492
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

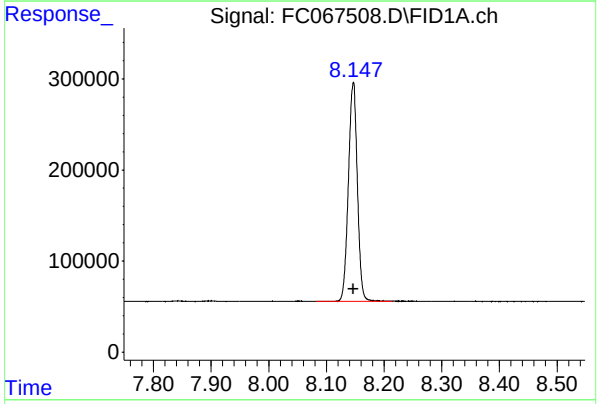
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 2685213
Conc: 20.00 ug/ml



#5 A~2-methylnaphthalene (C12.89)

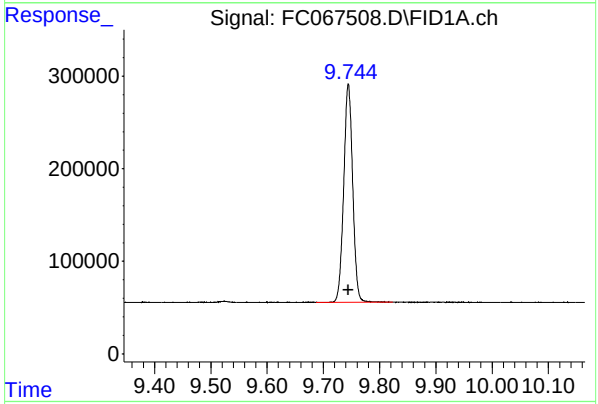
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 2804469
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



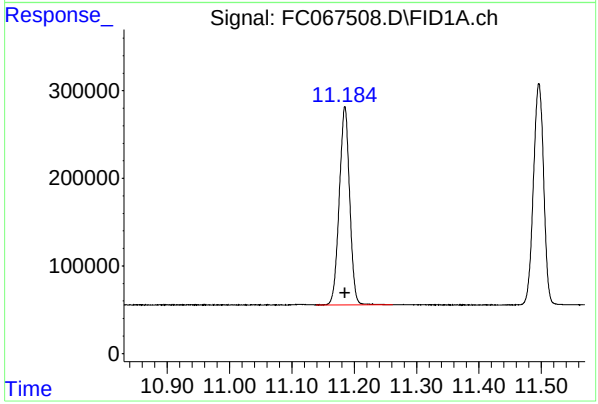
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 2596600
Conc: 20.00 ug/ml



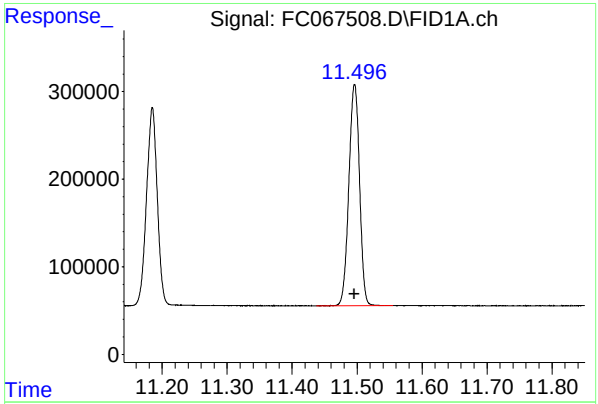
#7 n-Hexadecane (C16)

R.T.: 9.745 min
Delta R.T.: 0.000 min
Response: 2611645
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

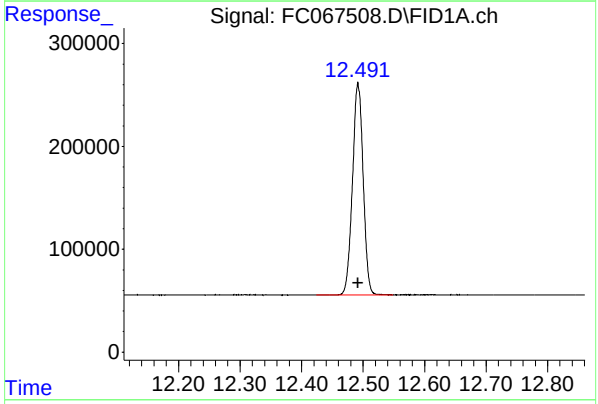
R.T.: 11.185 min
Delta R.T.: 0.000 min
Response: 2610385
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

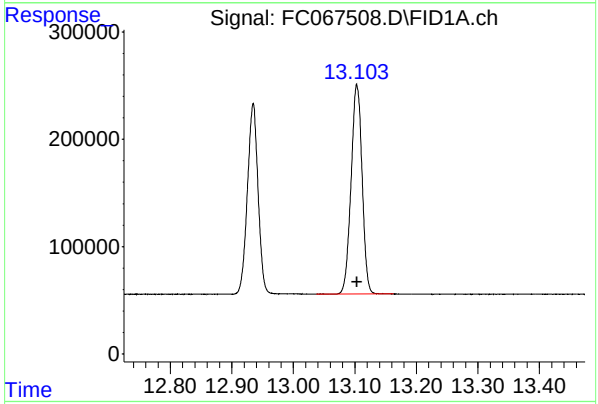
R.T.: 11.496 min
Delta R.T.: 0.000 min
Response: 2885453
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



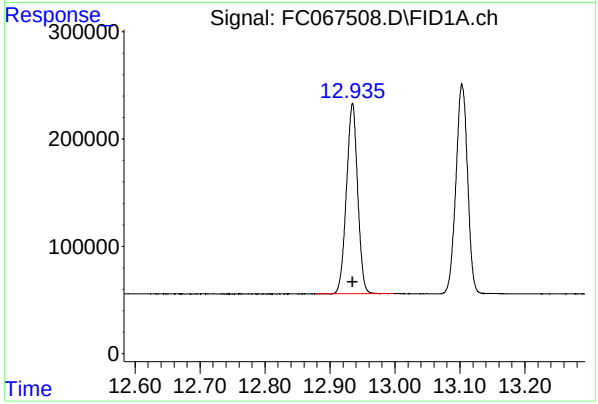
#10 n-Eicosane (C20)

R.T.: 12.492 min
Delta R.T.: 0.000 min
Response: 2486010
Conc: 20.00 ug/ml



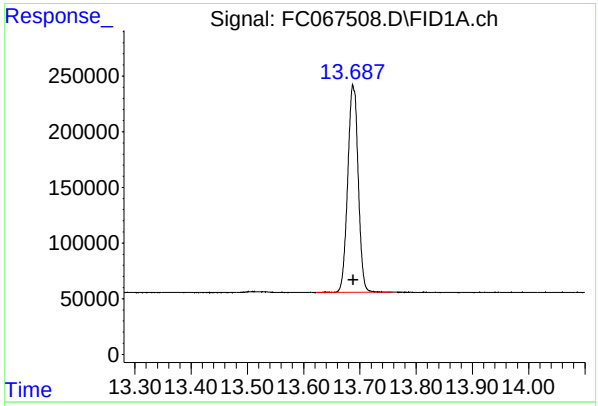
#11 n-Heneicosane (C21)

R.T.: 13.103 min
Delta R.T.: 0.000 min
Response: 2429615
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

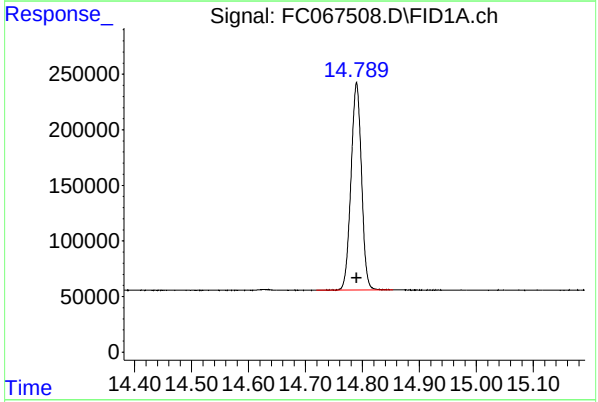
R.T.: 12.935 min
Delta R.T.: 0.000 min
Response: 2131037
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

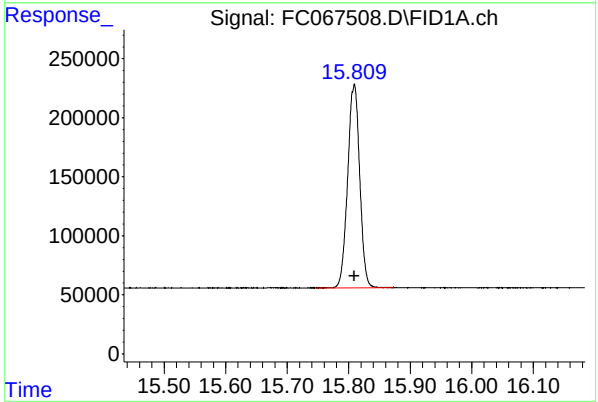
R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 2410406
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



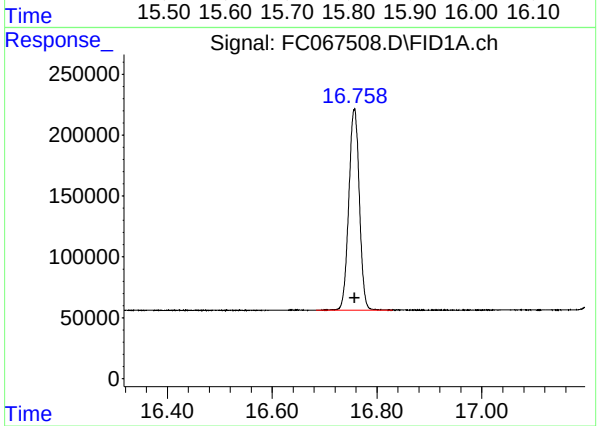
#14 n-Tetracosane (C24)

R.T.: 14.790 min
Delta R.T.: 0.000 min
Response: 2385181
Conc: 20.00 ug/ml



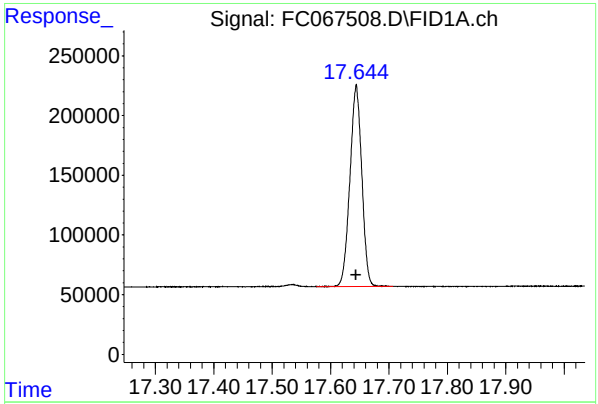
#15 n-Hexacosane (C26)

R.T.: 15.809 min
Delta R.T.: 0.000 min
Response: 2344463
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

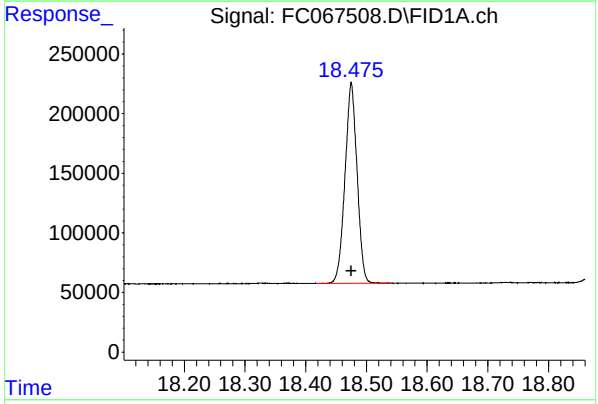
R.T.: 16.757 min
Delta R.T.: 0.000 min
Response: 2318777
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

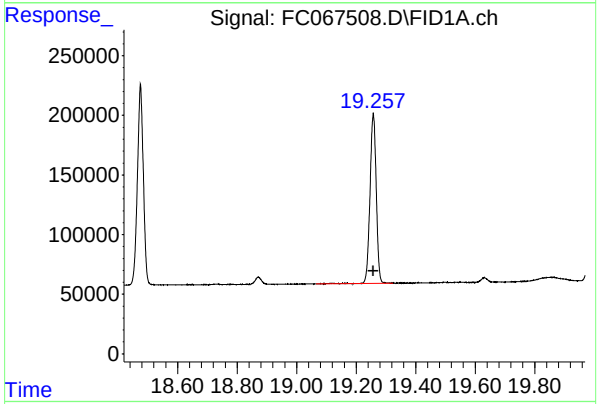
R.T.: 17.644 min
Delta R.T.: 0.000 min
Response: 2378909
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



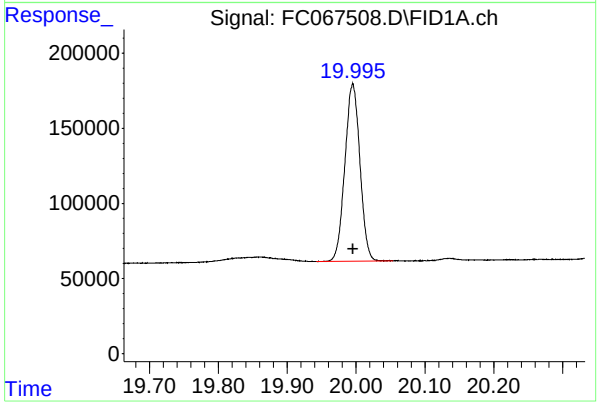
#18 n-Dotriacontane (C32)

R.T.: 18.475 min
Delta R.T.: 0.000 min
Response: 2323289
Conc: 20.00 ug/ml



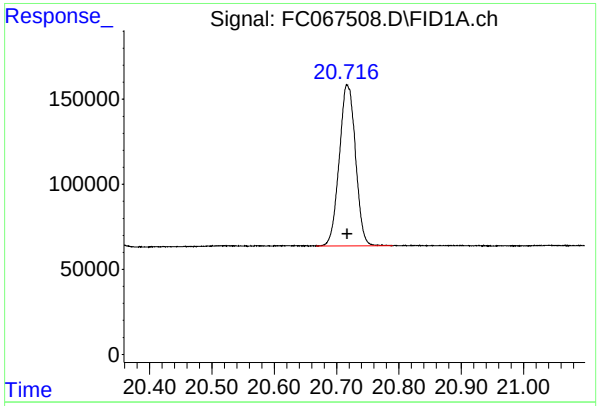
#19 n-Tetratriacontane (C34)

R.T.: 19.258 min
Delta R.T.: 0.000 min
Response: 2065430
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

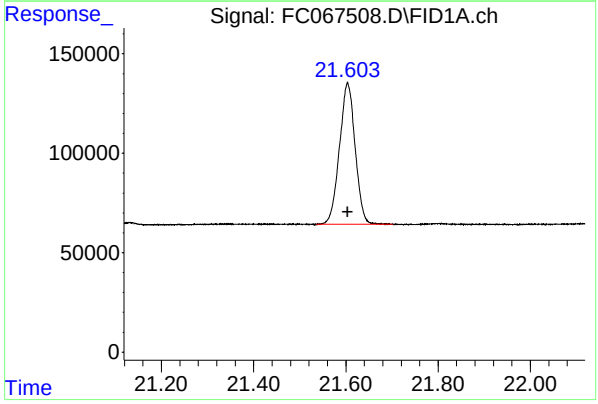
R.T.: 19.995 min
Delta R.T.: 0.000 min
Response: 1794670
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.718 min
Delta R.T.: 0.000 min
Response: 1712685
Conc: 20.00 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.604 min
Delta R.T.: 0.000 min
Response: 1679680
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067508.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 16:25
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	3.245	3.325	BB	321230	2673666	90.89%	5.047%
2	4.339	4.287	4.399	BB	291890	2702691	91.88%	5.102%
3	5.916	5.860	6.005	BB	318035	2941492	100.00%	5.553%
4	6.354	6.289	6.420	BB	270407	2685213	91.29%	5.069%
5	6.971	6.924	7.074	BB	271627	2804469	95.34%	5.294%
6	8.146	8.082	8.215	BB	241446	2596600	88.27%	4.902%
7	9.745	9.687	9.824	BB	236243	2611645	88.79%	4.930%
8	11.185	11.139	11.262	BB	226739	2610385	88.74%	4.928%
9	11.496	11.437	11.555	BB	253146	2885453	98.09%	5.447%
10	12.492	12.424	12.549	BB	205716	2486010	84.52%	4.693%
11	12.935	12.879	12.997	BB	178352	2131037	72.45%	4.023%
12	13.103	13.037	13.162	BB	194305	2429615	82.60%	4.587%
13	13.688	13.622	13.759	BB	184039	2410406	81.95%	4.550%
14	14.790	14.719	14.854	BB	186782	2385181	81.09%	4.503%
15	15.809	15.747	15.872	BB	171744	2344463	79.70%	4.426%
16	16.757	16.684	16.830	BB	165164	2318777	78.83%	4.377%
17	17.644	17.575	17.707	BB	168160	2378909	80.87%	4.491%
18	18.475	18.417	18.544	BB	168488	2323289	78.98%	4.386%
19	19.258	19.065	19.324	BB	141960	2065430	70.22%	3.899%
20	19.995	19.942	20.054	PB	118336	1794670	61.01%	3.388%
21	20.718	20.667	20.790	BB	94381	1712685	58.23%	3.233%
22	21.604	21.535	21.702	BB	71304	1679680	57.10%	3.171%
			Sum of corrected areas:			52971767		

Aliphatic EPH 102324.M Wed Oct 23 18:21:40 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067509.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 23 17:42:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:42:09 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			
9) S	ortho-Terphenyl (SURR)	11.495	1516253	10.457 ug/ml
Spiked Amount	50.000		Recovery =	20.91%
12) S	1-chlorooctadecane (S...	12.934	1104370	10.299 ug/ml
Spiked Amount	50.000		Recovery =	20.60%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	1392325	10.429 ug/ml
2) T	n-Decane (C10)	4.338	1408883	10.425 ug/ml
3) T	A~Naphthalene (C11.7)	5.916	1523229	10.321 ug/ml
4) T	n-Dodecane (C12)	6.353	1397121	10.404 ug/ml
5) T	A~2-methylnaphthalene...	6.971	1445653	10.250 ug/ml
6) T	n-Tetradecane (C14)	8.146	1348794	10.363 ug/ml
7) T	n-Hexadecane (C16)	9.744	1353251	10.321 ug/ml
8) T	n-Octadecane (C18)	11.184	1362847	10.395 ug/ml
10) T	n-Eicosane (C20)	12.491	1299257	10.409 ug/ml
11) T	n-Heneicosane (C21)	13.102	1272574	10.413 ug/ml
13) T	n-Docosane (C22)	13.687	1260218	10.404 ug/ml
14) T	n-Tetracosane (C24)	14.789	1251574	10.427 ug/ml
15) T	n-Hexacosane (C26)	15.808	1226594	10.413 ug/ml
16) T	n-Octacosane (C28)	16.756	1213286	10.461 ug/ml
17) T	n-Tricontane (C30)	17.643	1249088	10.570 ug/ml
18) T	n-Dotriacontane (C32)	18.474	1225099	10.667 ug/ml
19) T	n-Tetratriacontane (C34)	19.257	1087201	10.641 ug/ml
20) T	n-Hexatriacontane (C36)	19.995	941330	10.535 ug/ml
21) T	n-Octatriacontane (C38)	20.719	898154	10.530 ug/ml
22) T	n-Tetracontane (C40)	21.604	882650	10.523 ug/ml

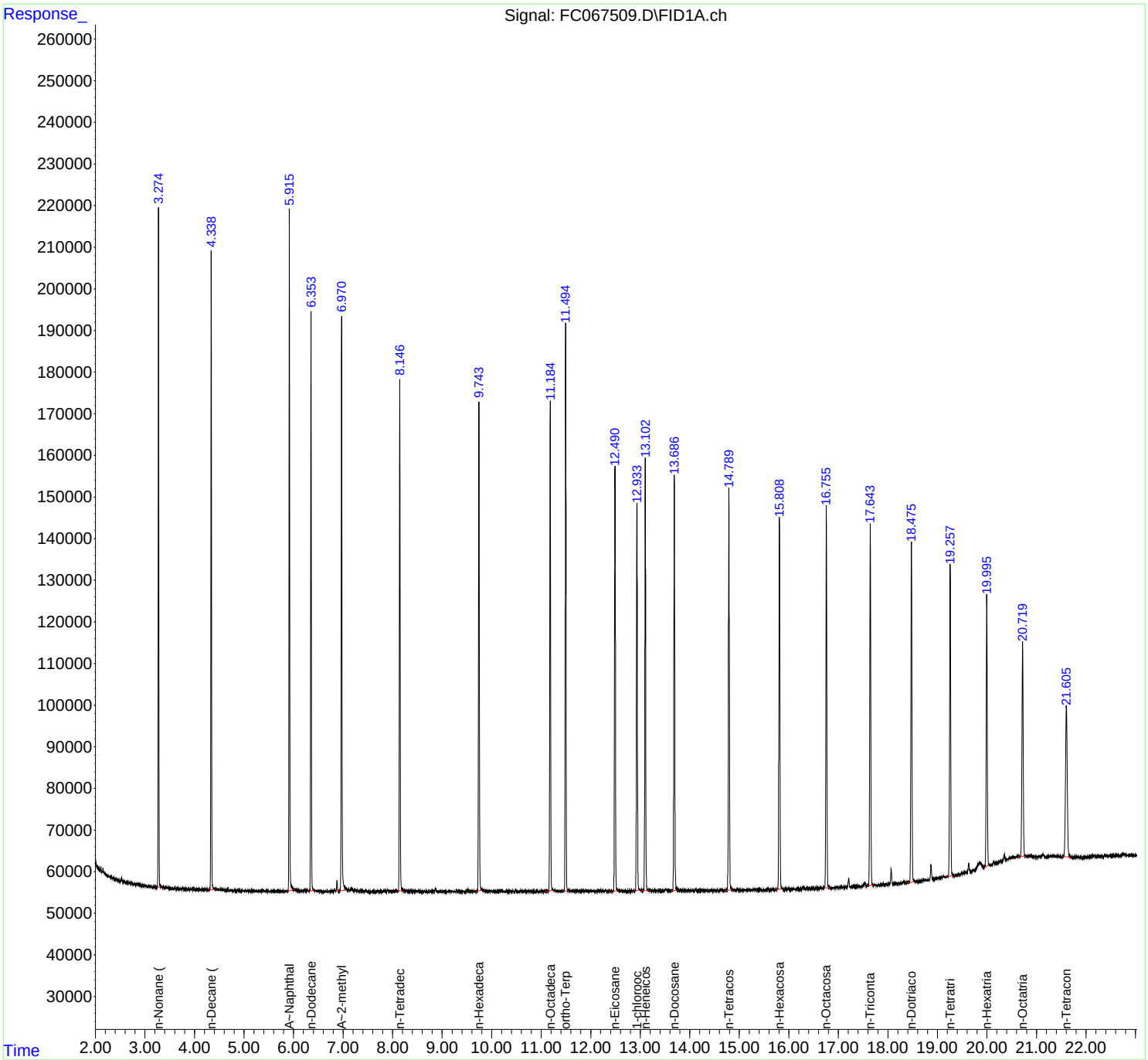
(f)=RT Delta > 1/2 Window (m)=manual int.

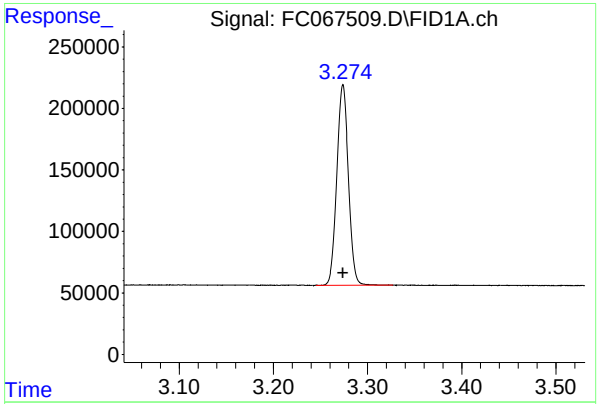
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067509.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 23 17:42:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:42:09 2024
Response via : Initial Calibration
Integrator: ChemStation

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

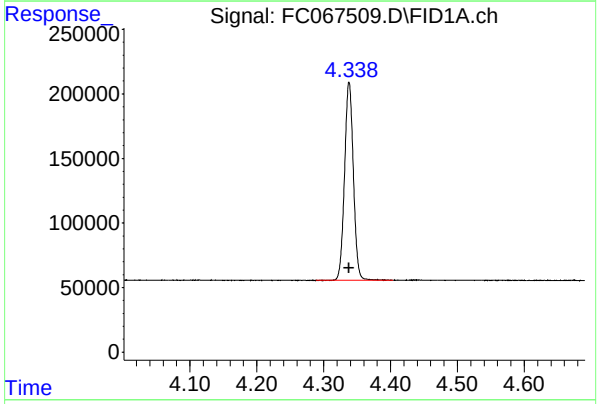




#1 n-Nonane (C9)

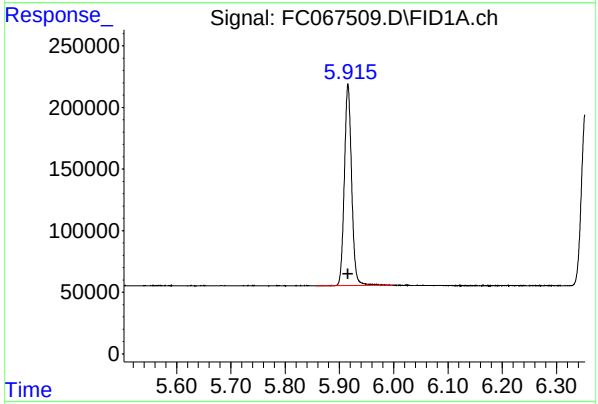
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 1392325
Conc: 10.43 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



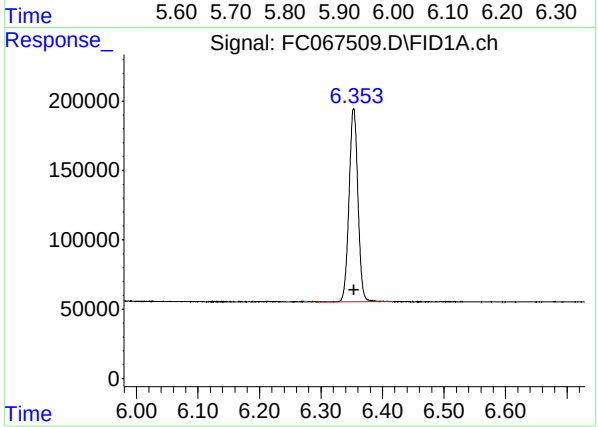
#2 n-Decane (C10)

R.T.: 4.338 min
Delta R.T.: 0.000 min
Response: 1408883
Conc: 10.42 ug/ml



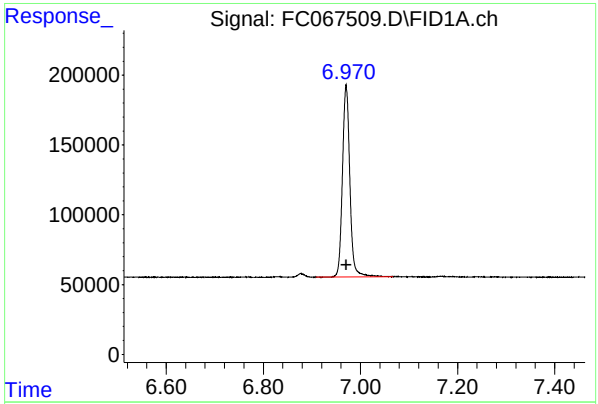
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 1523229
Conc: 10.32 ug/ml



#4 n-Dodecane (C12)

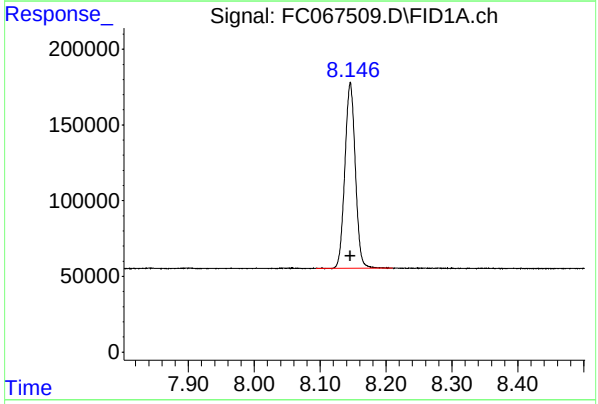
R.T.: 6.353 min
Delta R.T.: 0.000 min
Response: 1397121
Conc: 10.40 ug/ml



#5 A~2-methylnaphthalene (C12.89)

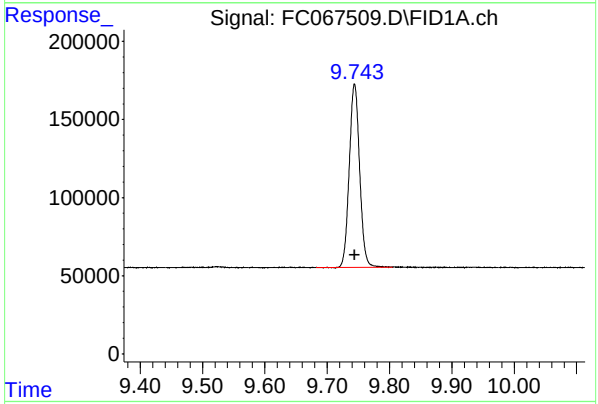
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 1445653
Conc: 10.25 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



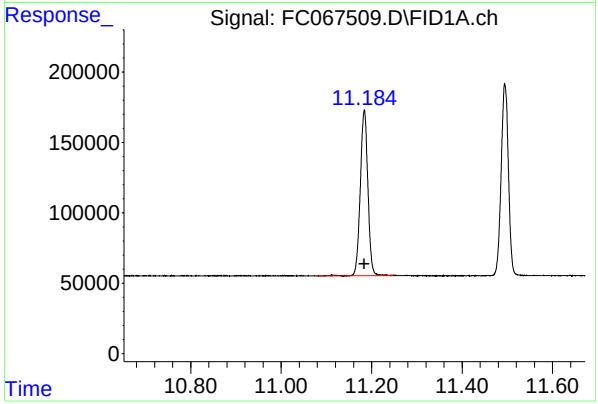
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 1348794
Conc: 10.36 ug/ml



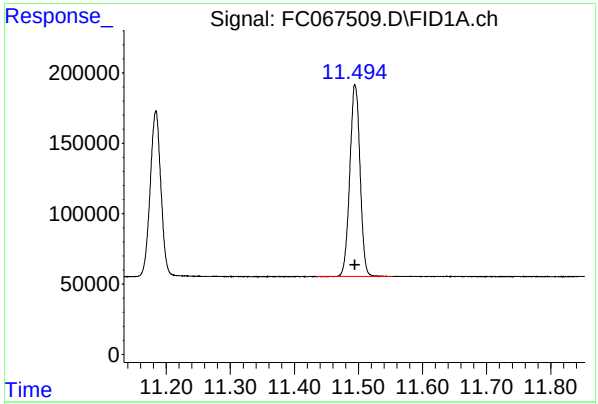
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 1353251
Conc: 10.32 ug/ml



#8 n-Octadecane (C18)

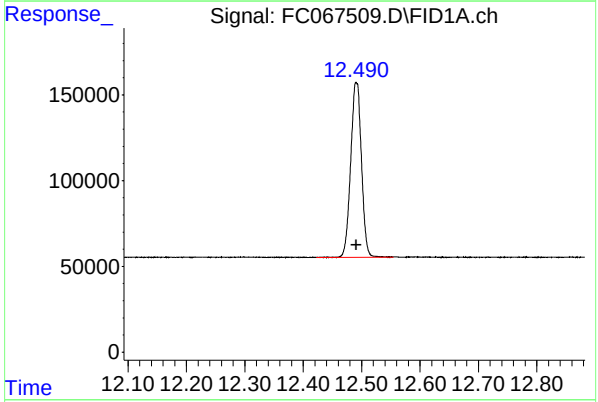
R.T.: 11.184 min
Delta R.T.: 0.000 min
Response: 1362847
Conc: 10.39 ug/ml



#9 ortho-Terphenyl (SURR)

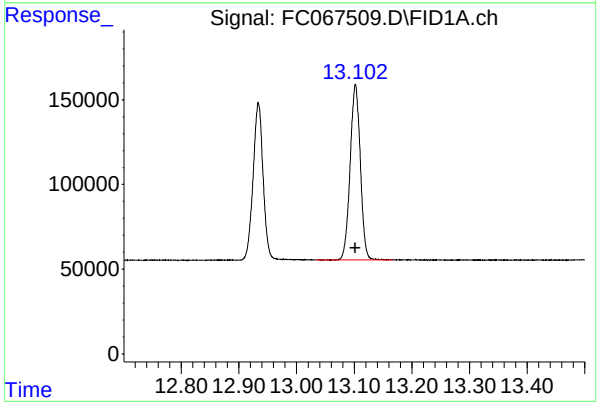
R.T.: 11.495 min
Delta R.T.: 0.000 min
Response: 1516253
Conc: 10.46 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



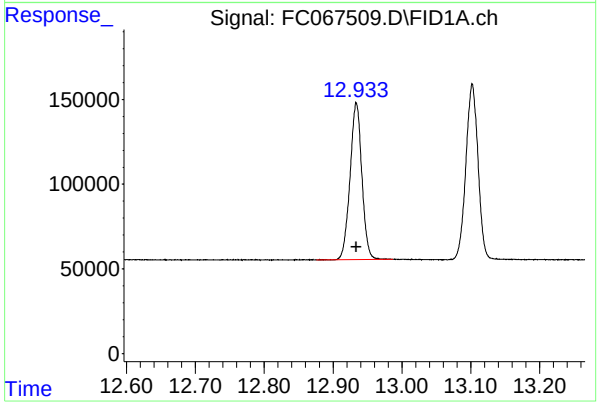
#10 n-Eicosane (C20)

R.T.: 12.491 min
Delta R.T.: 0.000 min
Response: 1299257
Conc: 10.41 ug/ml



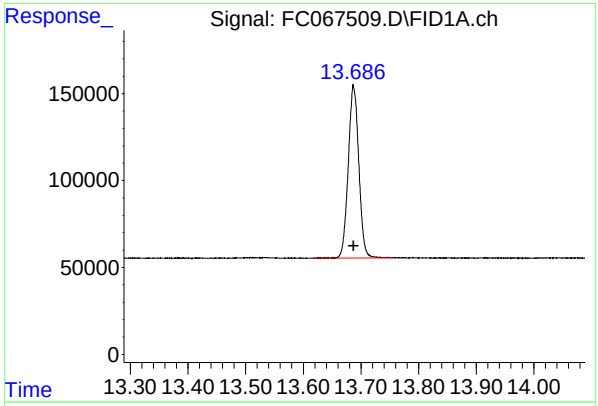
#11 n-Heneicosane (C21)

R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 1272574
Conc: 10.41 ug/ml



#12 1-chlorooctadecane (SURR)

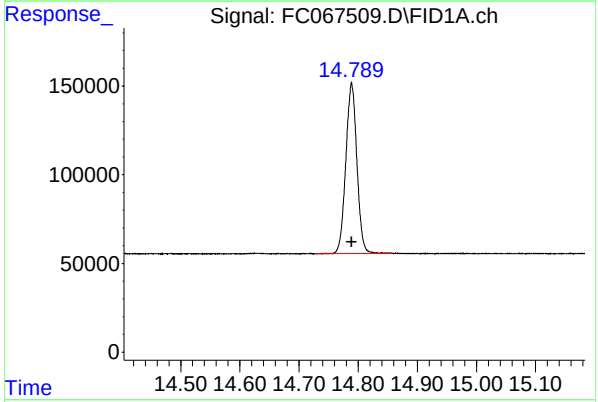
R.T.: 12.934 min
Delta R.T.: 0.000 min
Response: 1104370
Conc: 10.30 ug/ml



#13 n-Docosane (C22)

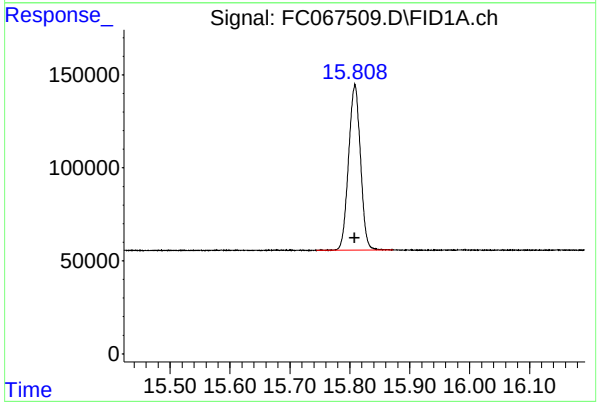
R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 1260218
Conc: 10.40 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



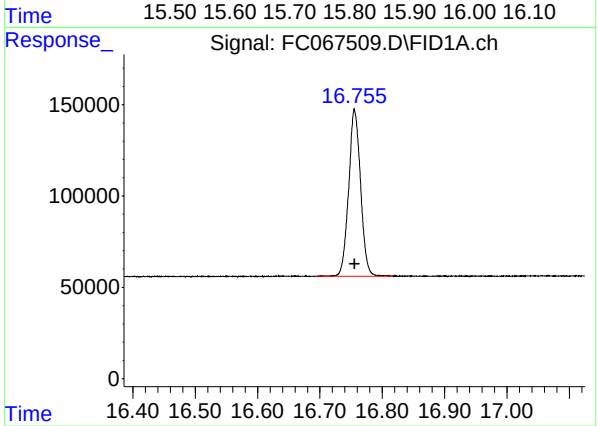
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: 0.000 min
Response: 1251574
Conc: 10.43 ug/ml



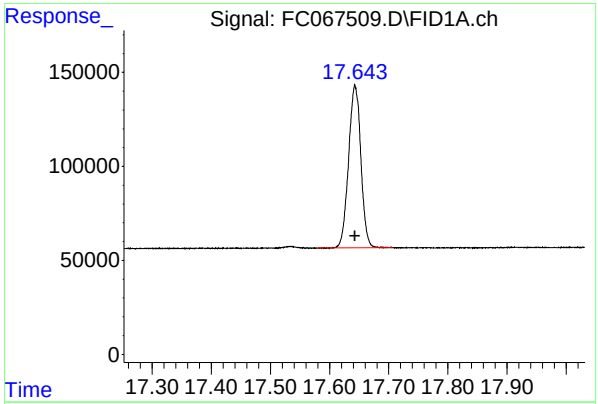
#15 n-Hexacosane (C26)

R.T.: 15.808 min
Delta R.T.: 0.000 min
Response: 1226594
Conc: 10.41 ug/ml



#16 n-Octacosane (C28)

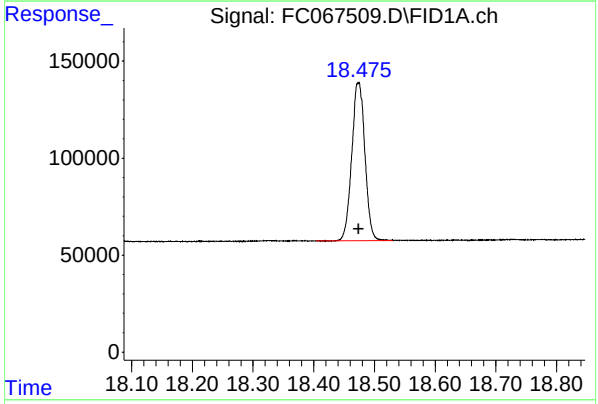
R.T.: 16.756 min
Delta R.T.: 0.000 min
Response: 1213286
Conc: 10.46 ug/ml



#17 n-Tricontane (C30)

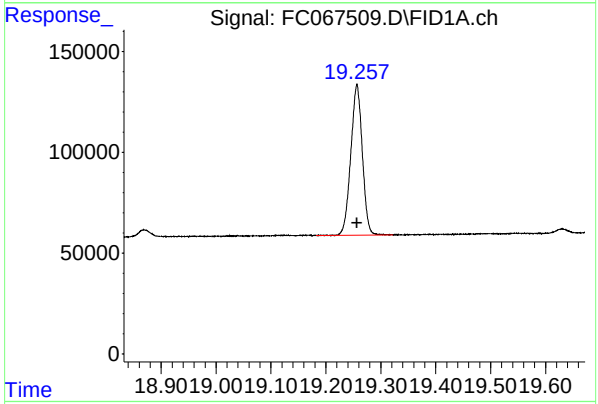
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 1249088
Conc: 10.57 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



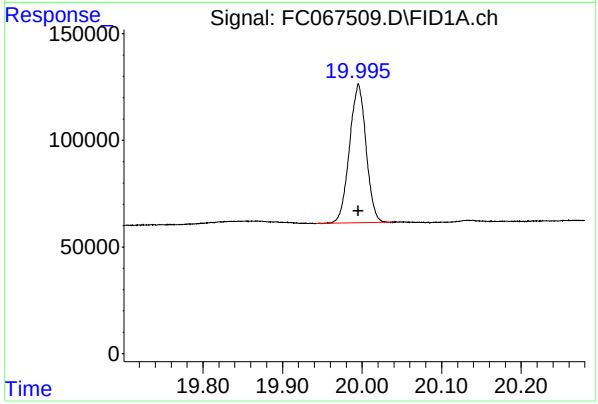
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 1225099
Conc: 10.67 ug/ml



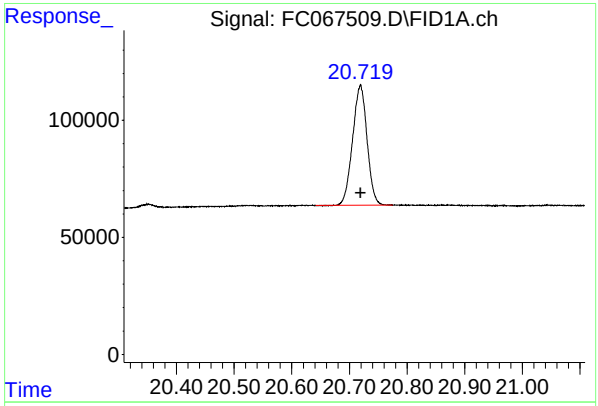
#19 n-Tetratriacontane (C34)

R.T.: 19.257 min
Delta R.T.: 0.000 min
Response: 1087201
Conc: 10.64 ug/ml



#20 n-Hexatriacontane (C36)

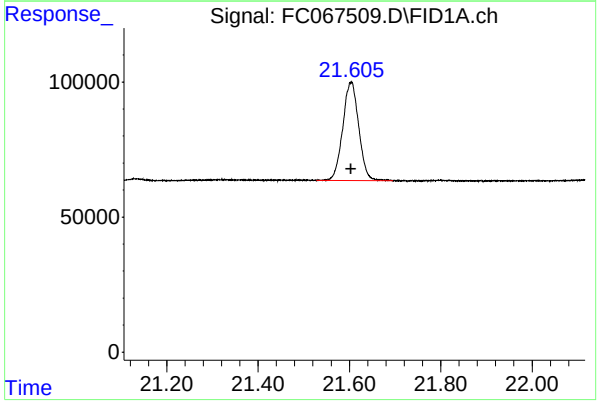
R.T.: 19.995 min
Delta R.T.: 0.000 min
Response: 941330
Conc: 10.53 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.719 min
Delta R.T.: 0.000 min
Response: 898154
Conc: 10.53 ug/ml

Instrument :
FID_C
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 21.604 min
Delta R.T.: 0.000 min
Response: 882650
Conc: 10.52 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067509.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:02
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	3.245	3.327	BB	163023	1392325	91.41%	5.034%
2	4.338	4.289	4.404	BB	153448	1408883	92.49%	5.094%
3	5.916	5.857	5.999	BB	163420	1523229	100.00%	5.507%
4	6.353	6.292	6.417	BB	139335	1397121	91.72%	5.051%
5	6.971	6.909	7.067	BB	137359	1445653	94.91%	5.227%
6	8.146	8.094	8.210	BB	122199	1348794	88.55%	4.876%
7	9.744	9.682	9.805	BB	117477	1353251	88.84%	4.892%
8	11.184	11.077	11.247	BB	117457	1362847	89.47%	4.927%
9	11.495	11.434	11.554	BB	135385	1516253	99.54%	5.482%
10	12.491	12.422	12.554	BB	101975	1299257	85.30%	4.697%
11	12.934	12.875	12.987	BB	92846	1104370	72.50%	3.993%
12	13.102	13.034	13.167	BB	103848	1272574	83.54%	4.601%
13	13.687	13.622	13.755	BB	98770	1260218	82.73%	4.556%
14	14.789	14.729	14.859	BB	96250	1251574	82.17%	4.525%
15	15.808	15.744	15.872	BB	89337	1226594	80.53%	4.435%
16	16.756	16.694	16.817	BB	91173	1213286	79.65%	4.386%
17	17.643	17.577	17.707	BB	85908	1249088	82.00%	4.516%
18	18.474	18.404	18.530	BB	81392	1225099	80.43%	4.429%
19	19.257	19.182	19.322	BB	75084	1087201	71.37%	3.931%
20	19.995	19.942	20.039	BB	65222	941330	61.80%	3.403%
21	20.719	20.642	20.775	BB	51277	898154	58.96%	3.247%
22	21.604	21.527	21.695	BB	35971	882650	57.95%	3.191%
			Sum of corrected areas:			27659751		

Aliphatic EPH 102324.M Wed Oct 23 18:21:58 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067510.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 23 18:12:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:02 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			
9) S	ortho-Terphenyl (SURR)	11.494	768220	5.236 ug/ml
Spiked Amount	50.000		Recovery =	10.47%
12) S	1-chlorooctadecane (S...	12.933	555182	5.141 ug/ml
Spiked Amount	50.000		Recovery =	10.28%
	Target Compounds			
1) T	n-Nonane (C9)	3.275	697792	5.180 ug/ml
2) T	n-Decane (C10)	4.339	703136	5.161 ug/ml
3) T	A~Naphthalene (C11.7)	5.917	752949	5.081 ug/ml
4) T	n-Dodecane (C12)	6.354	700270	5.170 ug/ml
5) T	A~2-methylnaphthalene...	6.971	709834	5.026 ug/ml
6) T	n-Tetradecane (C14)	8.146	678328	5.168 ug/ml
7) T	n-Hexadecane (C16)	9.744	680213	5.149 ug/ml
8) T	n-Octadecane (C18)	11.184	680709	5.152 ug/ml
10) T	n-Eicosane (C20)	12.491	658066	5.215 ug/ml
11) T	n-Heneicosane (C21)	13.102	641065	5.194 ug/ml
13) T	n-Docosane (C22)	13.687	638712	5.216 ug/ml
14) T	n-Tetracosane (C24)	14.789	629495	5.193 ug/ml
15) T	n-Hexacosane (C26)	15.808	620443	5.211 ug/ml
16) T	n-Octacosane (C28)	16.758	621629	5.284 ug/ml
17) T	n-Tricontane (C30)	17.643	658247	5.446 ug/ml
18) T	n-Dotriacontane (C32)	18.474	660916	5.586 ug/ml
19) T	n-Tetratriacontane (C34)	19.256	574804	5.489 ug/ml
20) T	n-Hexatriacontane (C36)	19.994	488556	5.367 ug/ml
21) T	n-Octatriacontane (C38)	20.718	459107	5.301 ug/ml
22) T	n-Tetracontane (C40)	21.603	447730	5.267 ug/ml

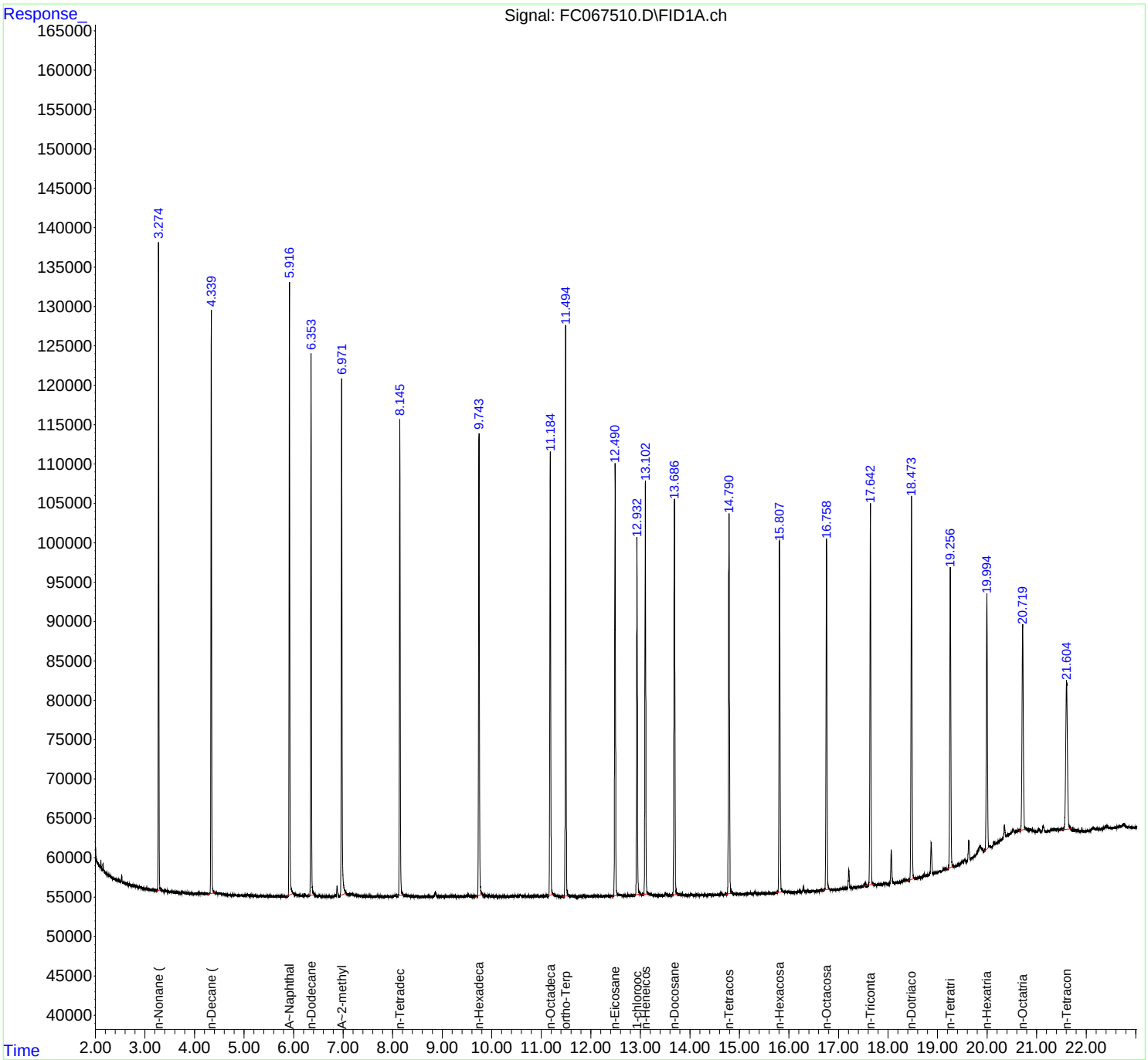
(f)=RT Delta > 1/2 Window (m)=manual int.

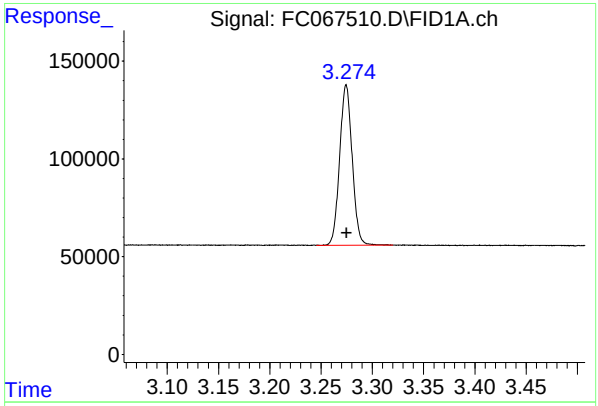
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067510.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 23 18:12:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:02 2024
Response via : Initial Calibration
Integrator: ChemStation

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

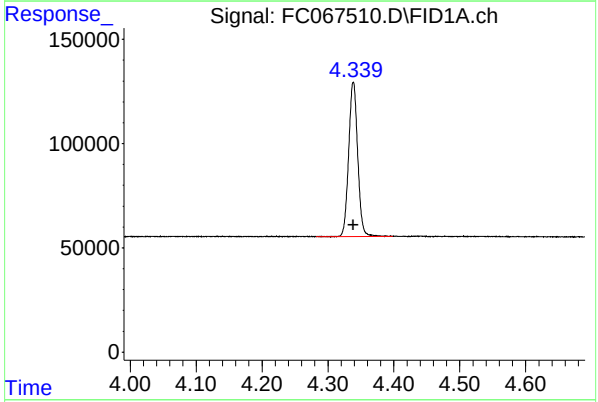




#1 n-Nonane (C9)

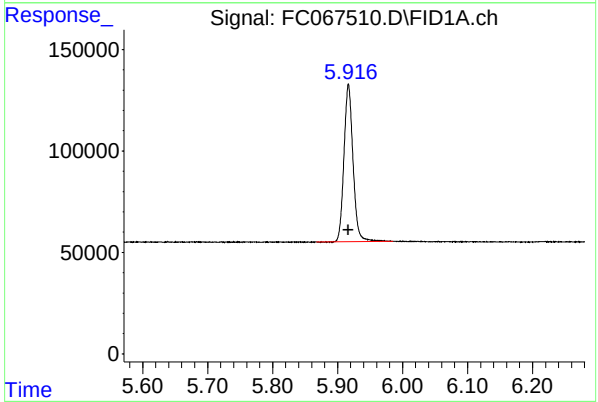
R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 697792
Conc: 5.18 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



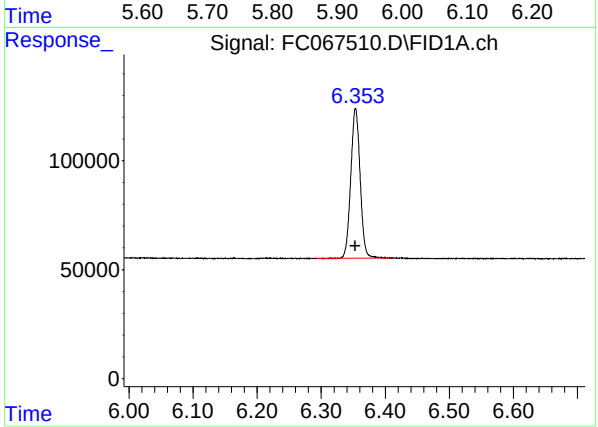
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 703136
Conc: 5.16 ug/ml



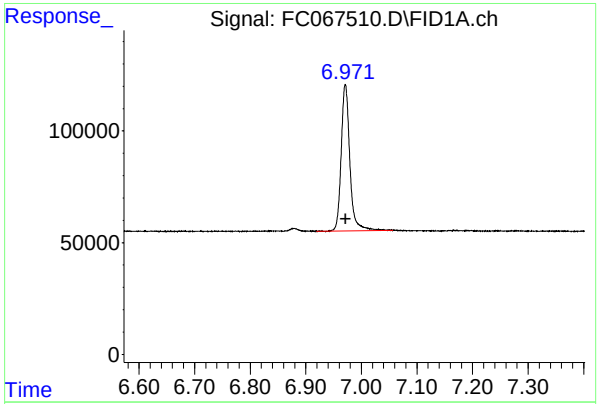
#3 A~Naphthalene (C11.7)

R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 752949
Conc: 5.08 ug/ml



#4 n-Dodecane (C12)

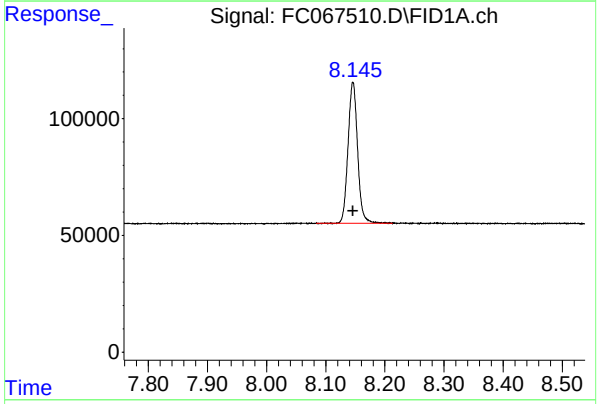
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 700270
Conc: 5.17 ug/ml



#5 A~2-methylnaphthalene (C12.89)

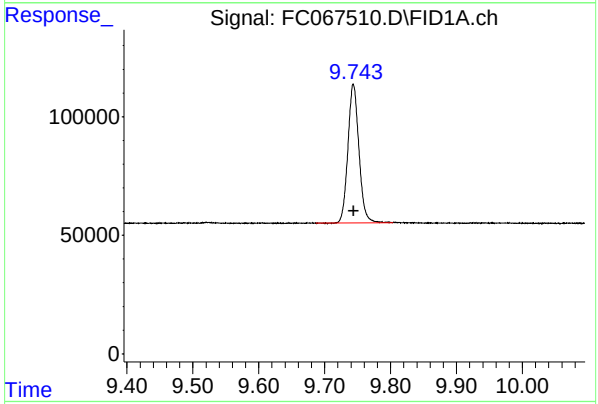
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 709834
Conc: 5.03 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



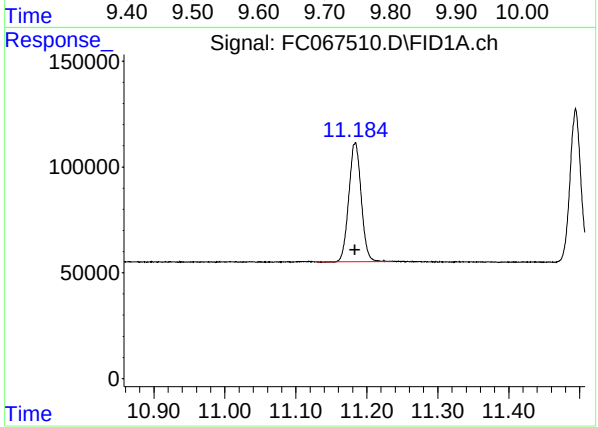
#6 n-Tetradecane (C14)

R.T.: 8.146 min
Delta R.T.: 0.000 min
Response: 678328
Conc: 5.17 ug/ml



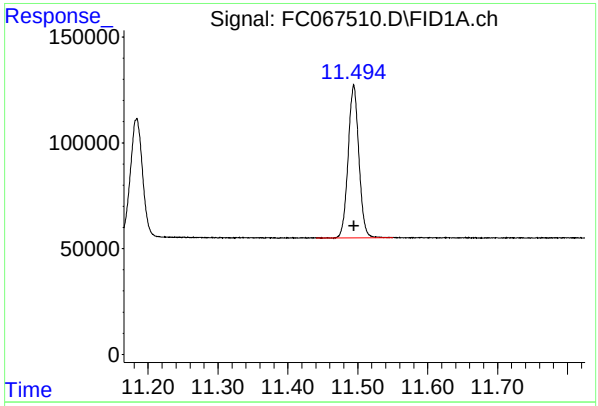
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 680213
Conc: 5.15 ug/ml



#8 n-Octadecane (C18)

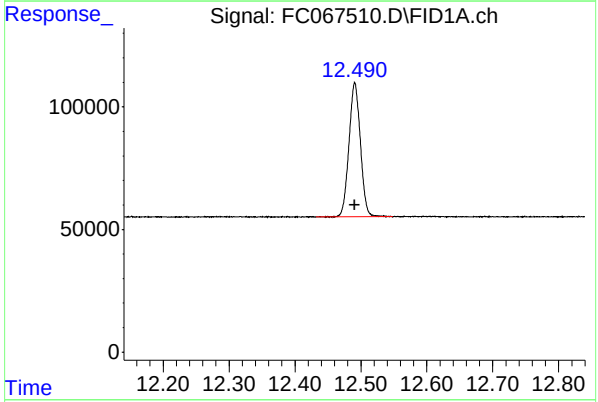
R.T.: 11.184 min
Delta R.T.: 0.000 min
Response: 680709
Conc: 5.15 ug/ml



#9 ortho-Terphenyl (SURR)

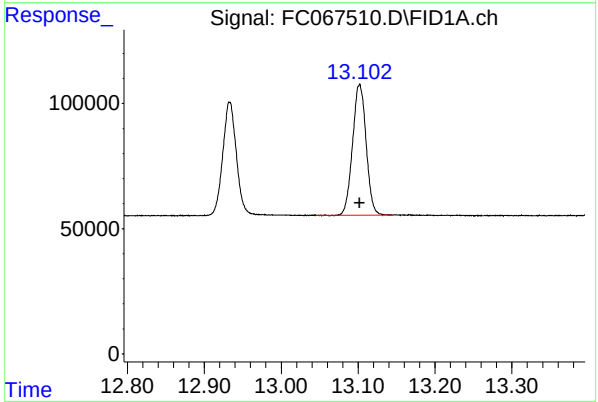
R.T.: 11.494 min
Delta R.T.: 0.000 min
Response: 768220
Conc: 5.24 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



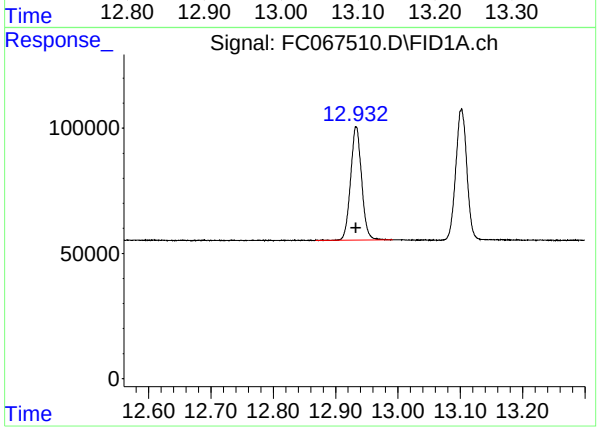
#10 n-Eicosane (C20)

R.T.: 12.491 min
Delta R.T.: 0.000 min
Response: 658066
Conc: 5.22 ug/ml



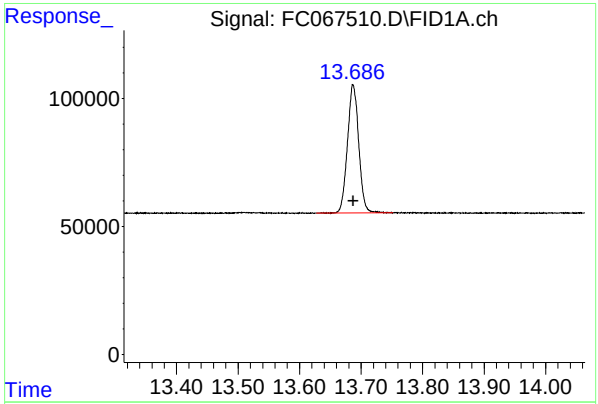
#11 n-Heneicosane (C21)

R.T.: 13.102 min
Delta R.T.: 0.000 min
Response: 641065
Conc: 5.19 ug/ml



#12 1-chlorooctadecane (SURR)

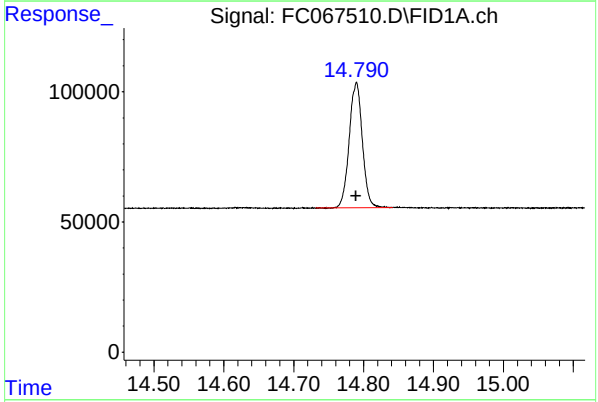
R.T.: 12.933 min
Delta R.T.: 0.000 min
Response: 555182
Conc: 5.14 ug/ml



#13 n-Docosane (C22)

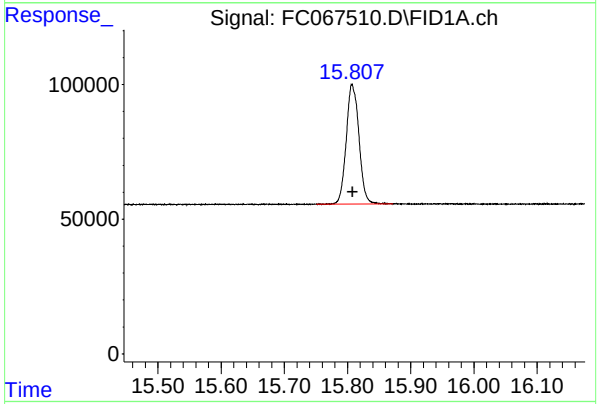
R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 638712
Conc: 5.22 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



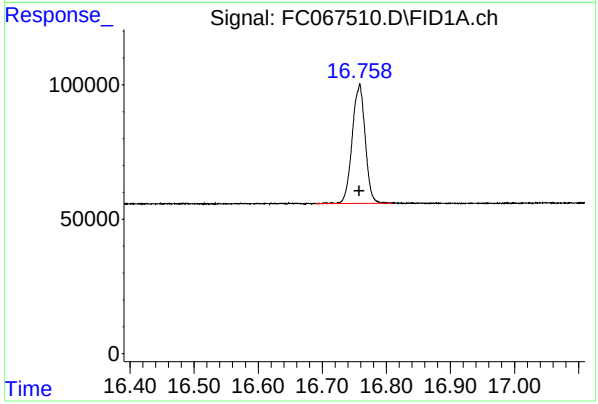
#14 n-Tetracosane (C24)

R.T.: 14.789 min
Delta R.T.: 0.000 min
Response: 629495
Conc: 5.19 ug/ml



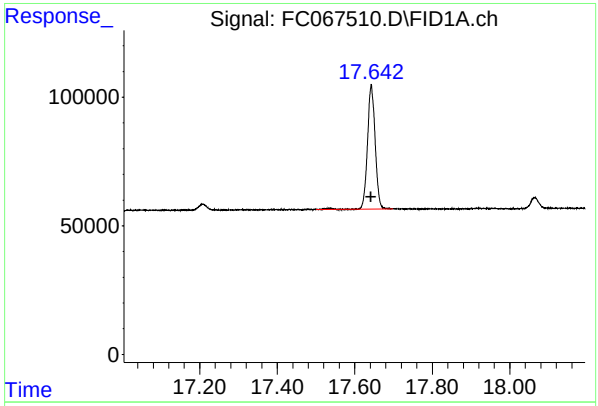
#15 n-Hexacosane (C26)

R.T.: 15.808 min
Delta R.T.: 0.000 min
Response: 620443
Conc: 5.21 ug/ml



#16 n-Octacosane (C28)

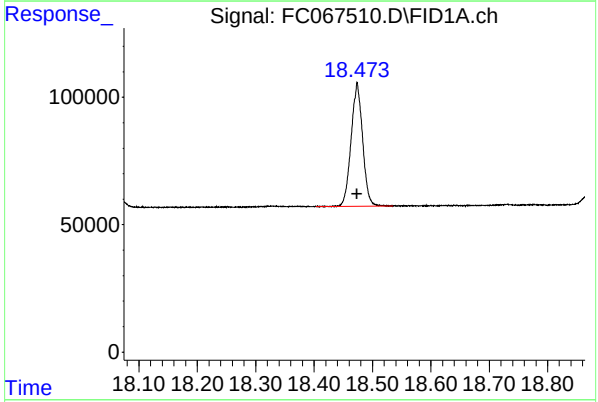
R.T.: 16.758 min
Delta R.T.: 0.000 min
Response: 621629
Conc: 5.28 ug/ml



#17 n-Tricontane (C30)

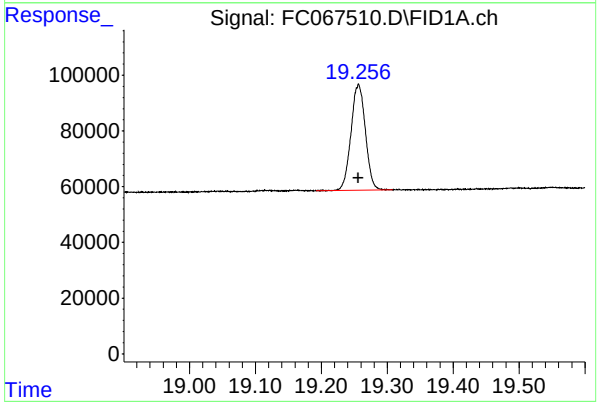
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 658247
Conc: 5.45 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



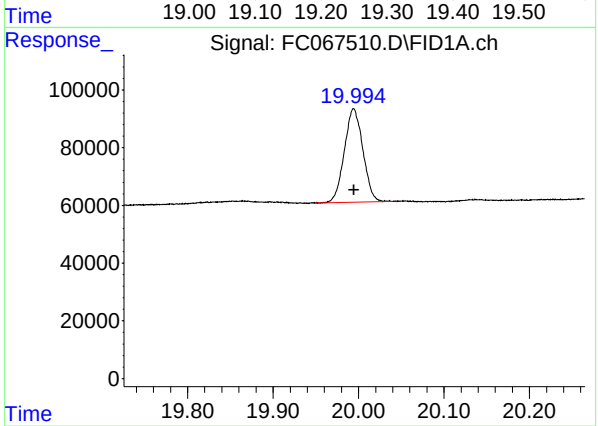
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 660916
Conc: 5.59 ug/ml



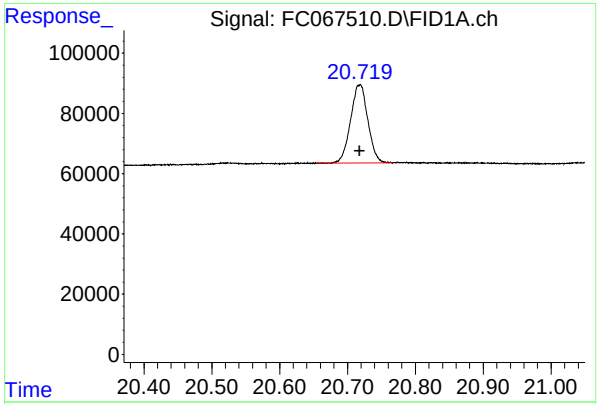
#19 n-Tetratriacontane (C34)

R.T.: 19.256 min
Delta R.T.: 0.000 min
Response: 574804
Conc: 5.49 ug/ml



#20 n-Hexatriacontane (C36)

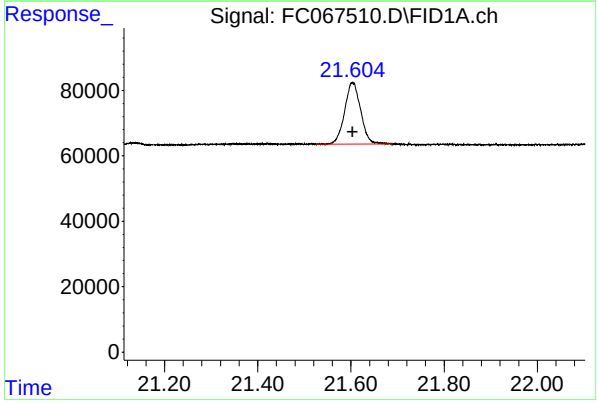
R.T.: 19.994 min
Delta R.T.: 0.000 min
Response: 488556
Conc: 5.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.718 min
Delta R.T.: 0.000 min
Response: 459107
Conc: 5.30 ug/ml

Instrument :
FID_C
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.603 min
Delta R.T.: 0.000 min
Response: 447730
Conc: 5.27 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067510.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 17:38
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	3.245	3.320	BB	82274	697792	90.83%	4.975%
2	4.339	4.282	4.399	BB	74065	703136	91.53%	5.013%
3	5.917	5.867	5.985	BB	77688	752949	98.01%	5.368%
4	6.354	6.292	6.412	BB	68794	700270	91.15%	4.993%
5	6.971	6.919	7.057	BB	65640	709834	92.40%	5.061%
6	8.146	8.084	8.214	BB	60655	678328	88.30%	4.836%
7	9.744	9.687	9.804	BB	58521	680213	88.54%	4.850%
8	11.184	11.129	11.237	BB	55995	680709	88.61%	4.853%
9	11.494	11.440	11.550	BB	71976	768220	100.00%	5.477%
10	12.491	12.432	12.549	BB	54755	658066	85.66%	4.692%
11	12.933	12.869	12.992	BB	45156	555182	72.27%	3.958%
12	13.102	13.045	13.145	BB	52087	641065	83.45%	4.571%
13	13.687	13.627	13.752	BB	50083	638712	83.14%	4.554%
14	14.789	14.732	14.842	BB	47789	629495	81.94%	4.488%
15	15.808	15.750	15.872	BB	43825	620443	80.76%	4.424%
16	16.758	16.690	16.810	BB	44656	621629	80.92%	4.432%
17	17.643	17.500	17.699	BB	47945	658247	85.68%	4.693%
18	18.474	18.404	18.535	BB	48459	660916	86.03%	4.712%
19	19.256	19.192	19.309	BB	38187	574804	74.82%	4.098%
20	19.994	19.950	20.040	BB	32420	488556	63.60%	3.483%
21	20.718	20.654	20.767	BB	25975	459107	59.76%	3.273%
22	21.603	21.525	21.690	BB	18849	447730	58.28%	3.192%
			Sum of corrected areas:			14025400		

Aliphatic EPH 102324.M Wed Oct 23 18:22:16 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067511.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 23 18:51:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 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			
9) S	ortho-Terphenyl (SURR)	11.496	2853188	19.445 ug/ml
Spiked Amount	50.000		Recovery =	38.89%
12) S	1-chlorooctadecane (S...	12.935	2112213	19.560 ug/ml
Spiked Amount	50.000		Recovery =	39.12%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	2613683	19.401 ug/ml
2) T	n-Decane (C10)	4.339	2649286	19.445 ug/ml
3) T	A~Naphthalene (C11.7)	5.916	2894144	19.530 ug/ml
4) T	n-Dodecane (C12)	6.354	2640477	19.495 ug/ml
5) T	A~2-methylnaphthalene...	6.971	2771002	19.622 ug/ml
6) T	n-Tetradecane (C14)	8.147	2559793	19.502 ug/ml
7) T	n-Hexadecane (C16)	9.744	2585935	19.575 ug/ml
8) T	n-Octadecane (C18)	11.185	2593351	19.630 ug/ml
10) T	n-Eicosane (C20)	12.493	2466507	19.548 ug/ml
11) T	n-Heneicosane (C21)	13.103	2414000	19.560 ug/ml
13) T	n-Docosane (C22)	13.688	2390568	19.523 ug/ml
14) T	n-Tetracosane (C24)	14.790	2369147	19.546 ug/ml
15) T	n-Hexacosane (C26)	15.809	2326770	19.544 ug/ml
16) T	n-Octacosane (C28)	16.757	2297199	19.526 ug/ml
17) T	n-Tricontane (C30)	17.643	2353840	19.474 ug/ml
18) T	n-Dotriacontane (C32)	18.474	2301371	19.450 ug/ml
19) T	n-Tetratriacontane (C34)	19.258	2044186	19.519 ug/ml
20) T	n-Hexatriacontane (C36)	19.996	1784212	19.601 ug/ml
21) T	n-Octatriacontane (C38)	20.719	1698313	19.610 ug/ml
22) T	n-Tetracontane (C40)	21.604	1661417	19.544 ug/ml

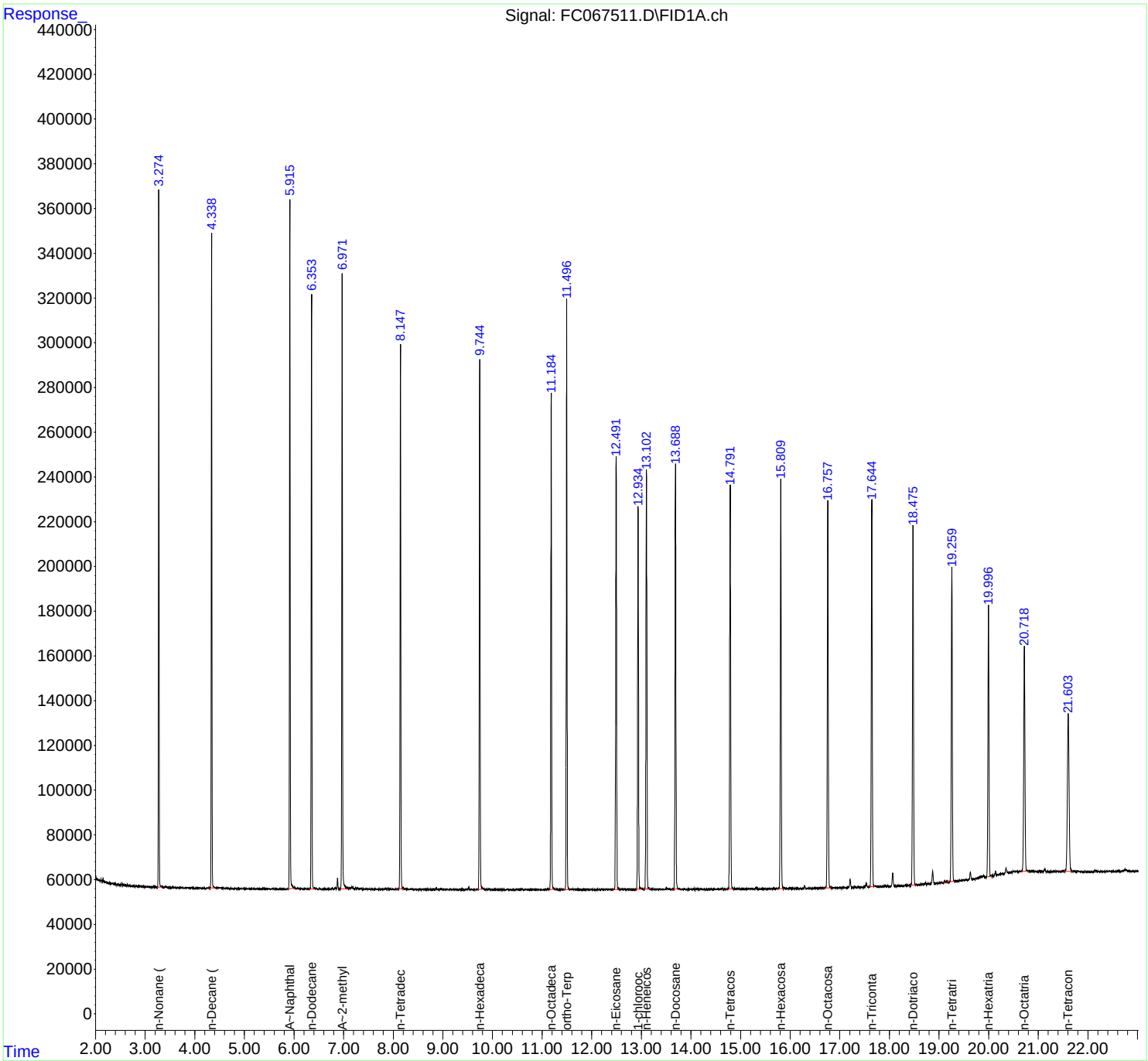
(f)=RT Delta > 1/2 Window (m)=manual int.

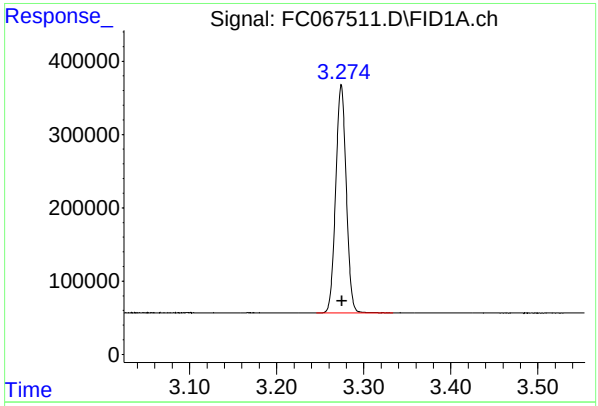
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067511.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 23 18:51:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

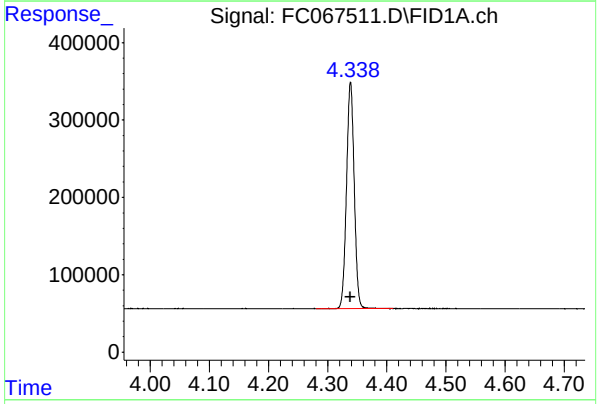




#1 n-Nonane (C9)

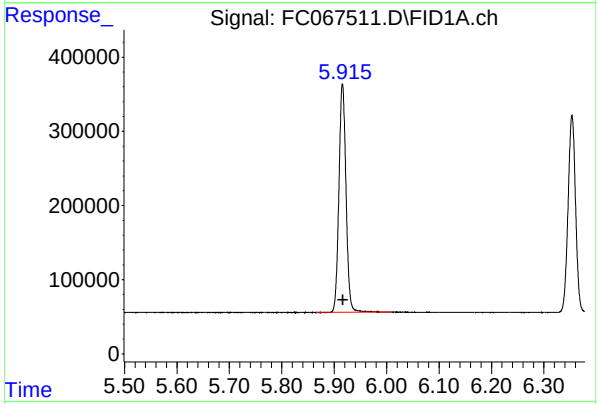
R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 2613683
Conc: 19.40 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



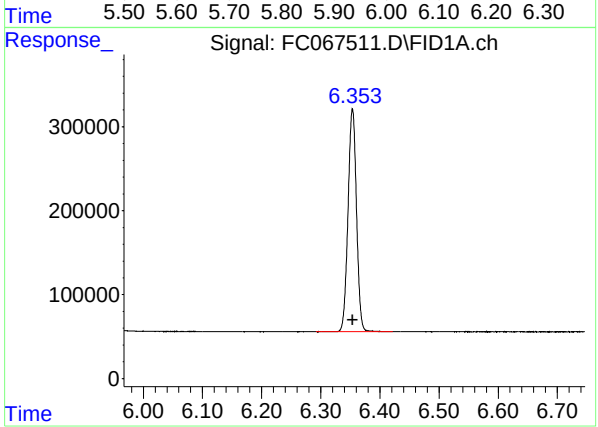
#2 n-Decane (C10)

R.T.: 4.339 min
Delta R.T.: 0.000 min
Response: 2649286
Conc: 19.44 ug/ml



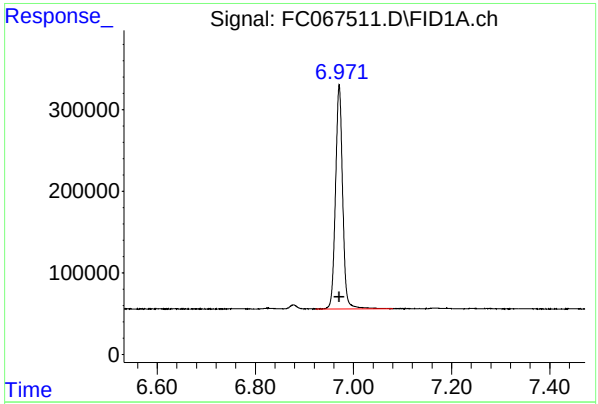
#3 A~Naphthalene (C11.7)

R.T.: 5.916 min
Delta R.T.: 0.000 min
Response: 2894144
Conc: 19.53 ug/ml



#4 n-Dodecane (C12)

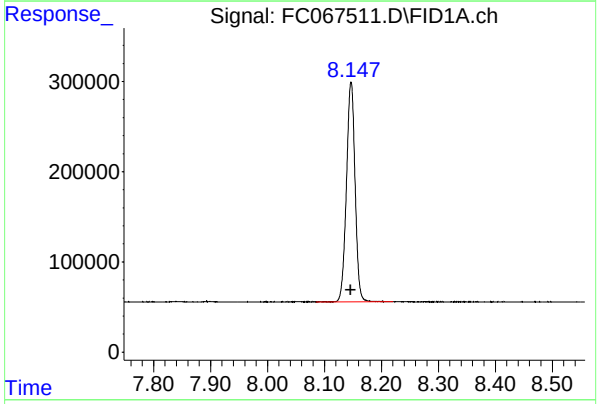
R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 2640477
Conc: 19.50 ug/ml



#5 A~2-methylnaphthalene (C12.89)

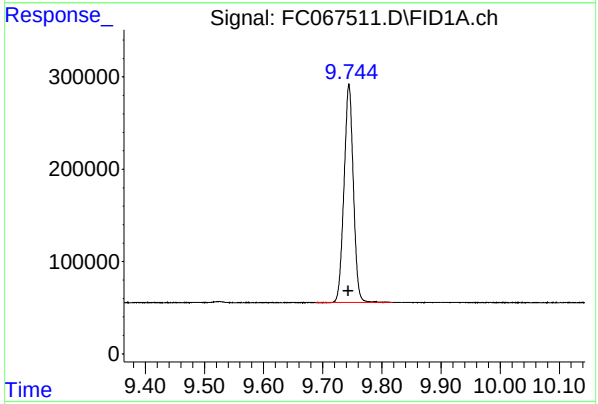
R.T.: 6.971 min
Delta R.T.: 0.000 min
Response: 2771002
Conc: 19.62 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



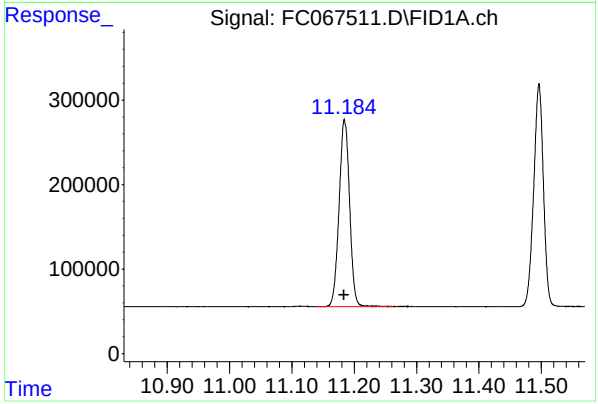
#6 n-Tetradecane (C14)

R.T.: 8.147 min
Delta R.T.: 0.000 min
Response: 2559793
Conc: 19.50 ug/ml



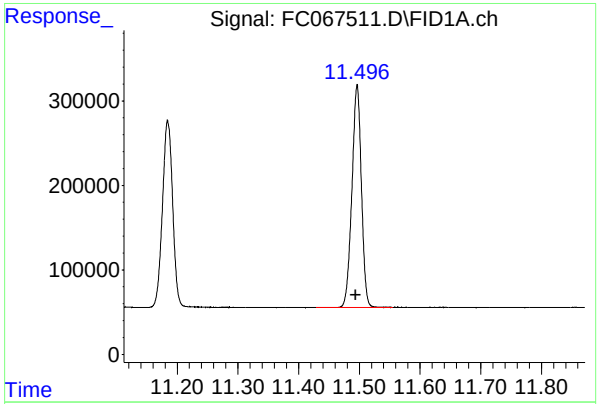
#7 n-Hexadecane (C16)

R.T.: 9.744 min
Delta R.T.: 0.000 min
Response: 2585935
Conc: 19.58 ug/ml



#8 n-Octadecane (C18)

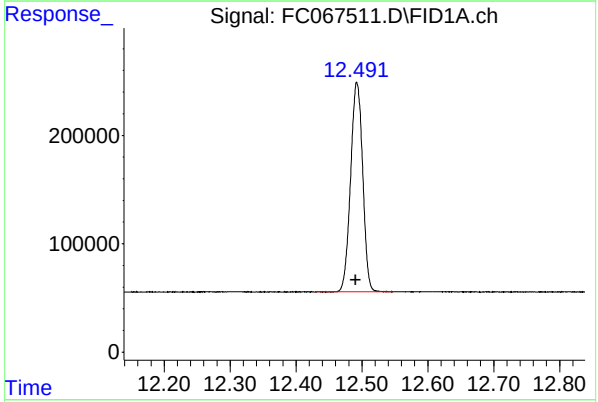
R.T.: 11.185 min
Delta R.T.: 0.000 min
Response: 2593351
Conc: 19.63 ug/ml



#9 ortho-Terphenyl (SURR)

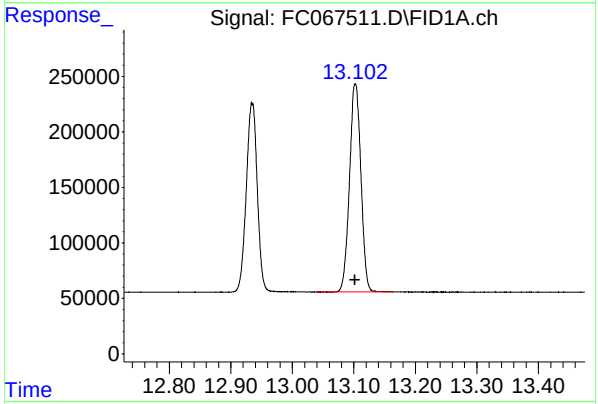
R.T.: 11.496 min
Delta R.T.: 0.002 min
Response: 2853188
Conc: 19.44 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



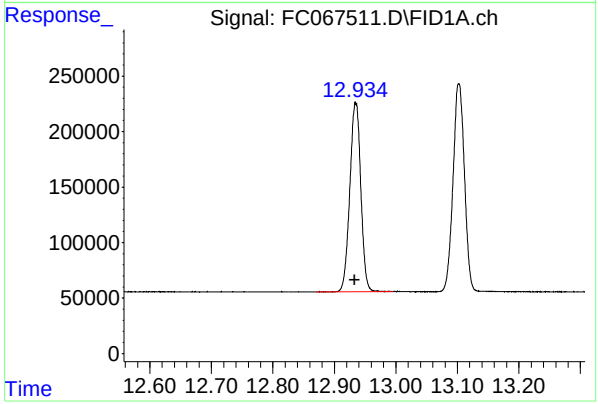
#10 n-Eicosane (C20)

R.T.: 12.493 min
Delta R.T.: 0.002 min
Response: 2466507
Conc: 19.55 ug/ml



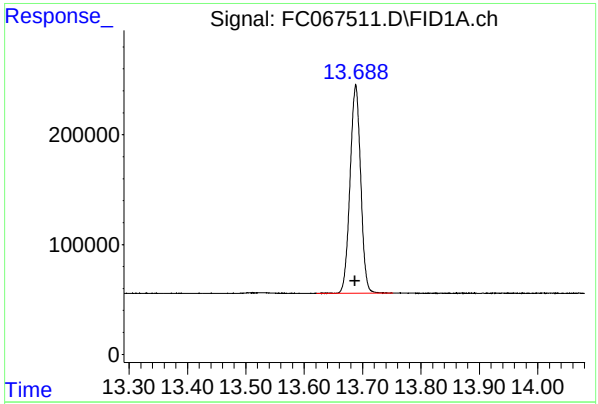
#11 n-Heneicosane (C21)

R.T.: 13.103 min
Delta R.T.: 0.000 min
Response: 2414000
Conc: 19.56 ug/ml



#12 1-chlorooctadecane (SURR)

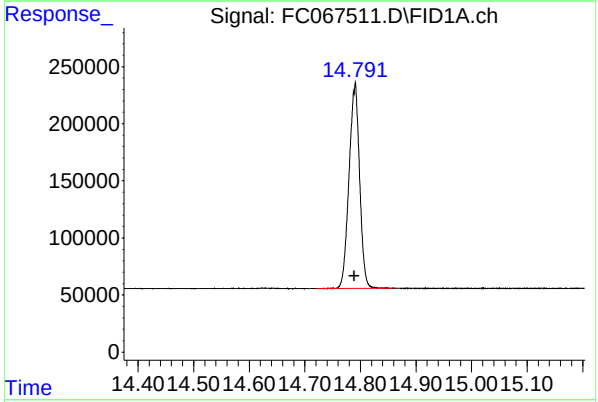
R.T.: 12.935 min
Delta R.T.: 0.002 min
Response: 2112213
Conc: 19.56 ug/ml



#13 n-Docosane (C22)

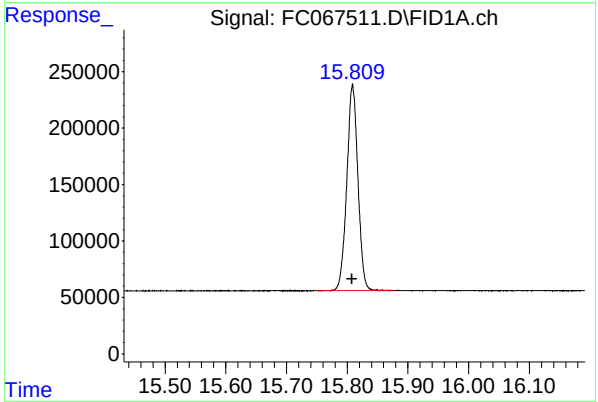
R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 2390568
Conc: 19.52 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



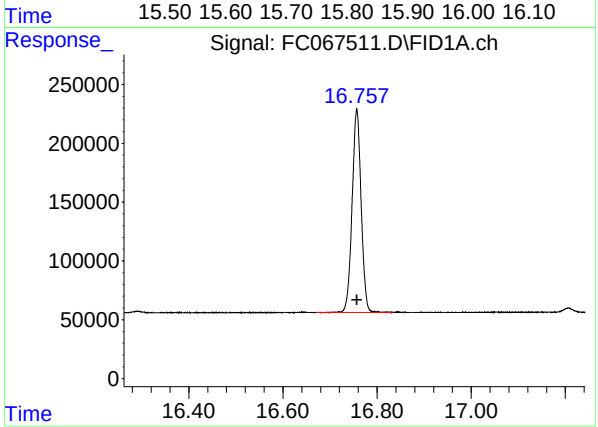
#14 n-Tetracosane (C24)

R.T.: 14.790 min
Delta R.T.: 0.000 min
Response: 2369147
Conc: 19.55 ug/ml



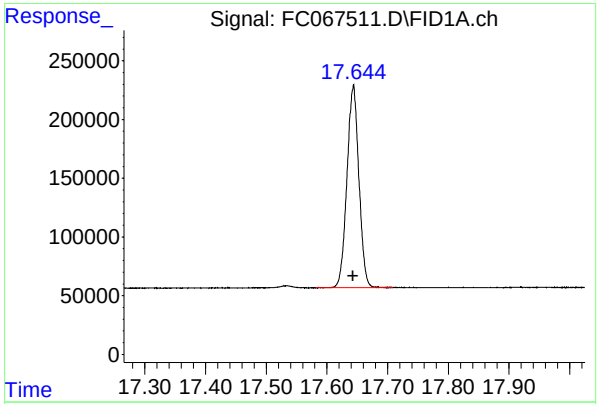
#15 n-Hexacosane (C26)

R.T.: 15.809 min
Delta R.T.: 0.001 min
Response: 2326770
Conc: 19.54 ug/ml



#16 n-Octacosane (C28)

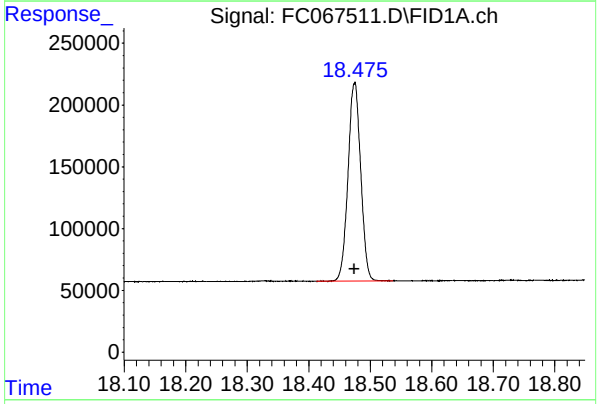
R.T.: 16.757 min
Delta R.T.: 0.000 min
Response: 2297199
Conc: 19.53 ug/ml



#17 n-Tricontane (C30)

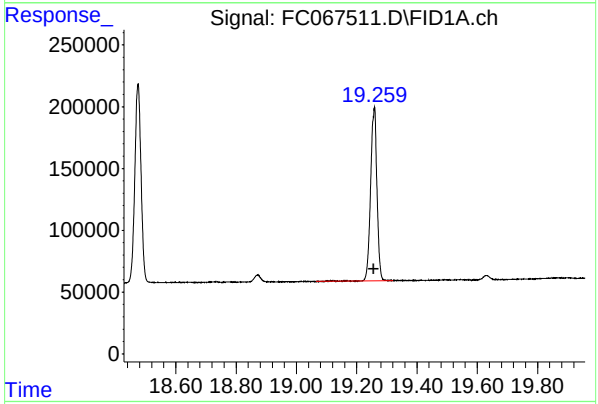
R.T.: 17.643 min
Delta R.T.: 0.000 min
Response: 2353840
Conc: 19.47 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



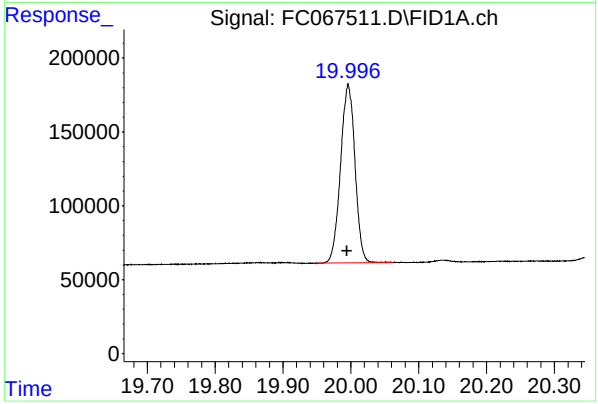
#18 n-Dotriacontane (C32)

R.T.: 18.474 min
Delta R.T.: 0.000 min
Response: 2301371
Conc: 19.45 ug/ml



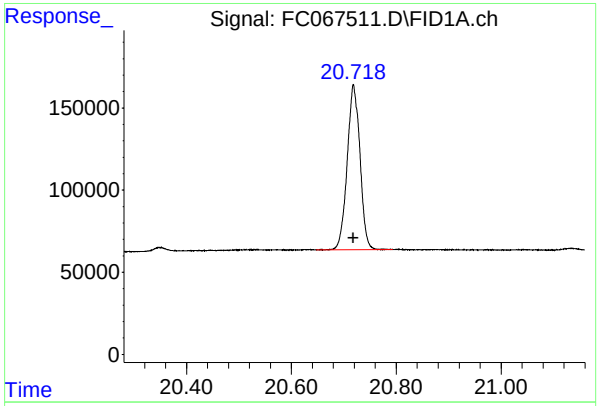
#19 n-Tetratriacontane (C34)

R.T.: 19.258 min
Delta R.T.: 0.002 min
Response: 2044186
Conc: 19.52 ug/ml



#20 n-Hexatriacontane (C36)

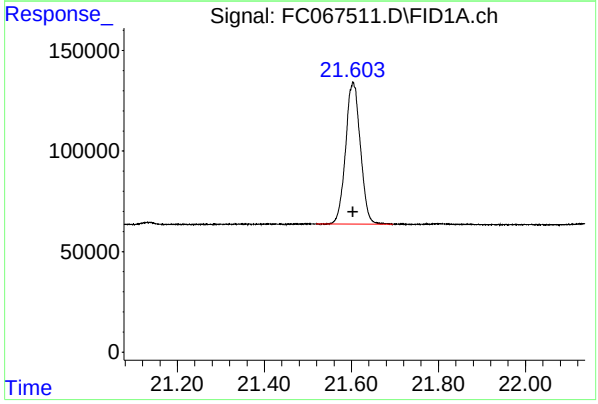
R.T.: 19.996 min
Delta R.T.: 0.002 min
Response: 1784212
Conc: 19.60 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.719 min
Delta R.T.: 0.000 min
Response: 1698313
Conc: 19.61 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.604 min
Delta R.T.: 0.000 min
Response: 1661417
Conc: 19.54 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102324AL\
Data File : FC067511.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 18:14
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	3.245	3.334	BB	310826	2613683	90.31%	4.990%
2	4.339	4.280	4.410	BB	292955	2649286	91.54%	5.058%
3	5.916	5.865	6.012	BB	308318	2894144	100.00%	5.525%
4	6.354	6.292	6.422	BB	265716	2640477	91.24%	5.041%
5	6.971	6.924	7.080	BB	274073	2771002	95.75%	5.290%
6	8.147	8.085	8.220	BB	244098	2559793	88.45%	4.887%
7	9.744	9.689	9.819	BB	236009	2585935	89.35%	4.937%
8	11.185	11.139	11.262	BB	218367	2593351	89.61%	4.951%
9	11.496	11.429	11.555	BB	264747	2853188	98.58%	5.447%
10	12.493	12.430	12.547	BB	193698	2466507	85.22%	4.709%
11	12.935	12.870	12.995	BB	169232	2112213	72.98%	4.032%
12	13.103	13.039	13.164	BB	187529	2414000	83.41%	4.609%
13	13.688	13.620	13.752	BB	190590	2390568	82.60%	4.564%
14	14.790	14.720	14.859	BB	178398	2369147	81.86%	4.523%
15	15.809	15.749	15.875	BB	181908	2326770	80.40%	4.442%
16	16.757	16.670	16.834	BB	173028	2297199	79.37%	4.386%
17	17.643	17.582	17.709	BB	172064	2353840	81.33%	4.494%
18	18.474	18.412	18.537	BB	160280	2301371	79.52%	4.394%
19	19.258	19.065	19.320	BB	140731	2044186	70.63%	3.903%
20	19.996	19.949	20.062	BB	120232	1784212	61.65%	3.406%
21	20.719	20.647	20.794	BB	100162	1698313	58.68%	3.242%
22	21.604	21.519	21.695	BB	70657	1661417	57.41%	3.172%
			Sum of corrected areas:			52380600		

Aliphatic EPH 102324.M Wed Oct 23 18:53:21 2024

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

Inital Calibration Report for SequenceID : FD093024AR

AreaCount

Parameter Range	FD048398.D	FD048399.D	FD048400.D	FD048401.D	FD048402.D	
Aromatic C10-C12	34648059.000	18252378.000	7283031.000	3571721.000	1884983.000	
Aromatic C12-C16	52772389.000	27987173.000	11349711.000	5750614.000	3099577.000	
Aromatic C16-C21	67557629.000	35880273.000	14451391.000	7136049.000	3726042.000	
Aromatic C21-C36	141518244.000	74756685.000	30035782.000	14897193.000	7697046.000	
Aromatic EPH	296496321.000	156876509.000	63119915.000	31355577.000	16407648.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	180984.84	3.098				
Aromatic C12-C16	189995.313333	5.829				
Aromatic C16-C21	178728.23	3.52				
Aromatic C21-C36	165360.7497772	3.04				
Aromatic EPH	174173.0715554	3.596				

Concentration

Parameter Range	FD048398.D	FD048399.D	FD048400.D	FD048401.D	FD048402.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	FD048398.D	FD048399.D	FD048400.D	FD048401.D	FD048402.D	
Aromatic C10-C12	173240.295000	182523.780000	182075.775000	178586.050000	188498.300000	
Aromatic C12-C16	175907.963333	186581.153333	189161.850000	191687.133333	206638.466666	
Aromatic C16-C21	168894.072500	179401.365000	180642.387500	178401.225000	186302.100000	
Aromatic C21-C36	157242.493333	166125.966666	166865.455555	165524.366666	171045.466666	
Aromatic EPH	164720.178333	174307.232222	175333.097222	174197.650000	182307.200000	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048398.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 10:32
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Sep 30 12:32:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 12:29:39 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...	7.387	15133598	96.497 ug/ml
	Spiked Amount 50.000		Recovery = 192.99%	
6)	S 2-Flurobiphenyl (SURR)	8.238	10225240	98.366 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 196.73%#	
11)	S ortho-Terphenyl (SURR)	11.276	17090754	95.957 ug/ml
	Spiked Amount 50.000		Recovery = 191.91%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.207	16849228	97.651 ug/ml
2)	T Naphthalene (C11.7)	5.727	17798831	97.384 ug/ml
3)	T 2-Methylnaphthalene (...	6.776	17826888	97.043 ug/ml
5)	T Acenaphthylene (C15.06)	8.042	17456164	95.975 ug/ml
7)	T Acenaphthene (C15.5)	8.339	17489337	96.084 ug/ml
8)	T Flouorene (C16.55)	9.117	17164502	96.742 ug/ml
9)	T Phenanthrene (C19.36)	10.505	17038003	97.268 ug/ml
10)	T Anthracene (C19.43)	10.582	16550190	96.030 ug/ml
12)	T Fluoranthene (C21.85)	12.312	16931938	96.606 ug/ml
13)	T Pyrene (C20.8)	12.605	16804934	96.504 ug/ml
14)	T Benzo[a]anthracene (C...	14.474	16142668	98.545 ug/ml
15)	T Chrysene (C27.41)	14.521	16511891	94.840 ug/ml
16)	T benzo[b]fluoranthene ...	16.024	16340653	97.826 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.062	15204824	95.933 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.403	15774557	97.005 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.769	14738374	104.652 ug/ml
20)	T Dibenz[a,h]anthracene...	17.808	14680138	92.545 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.026	15193201	96.345 ug/ml

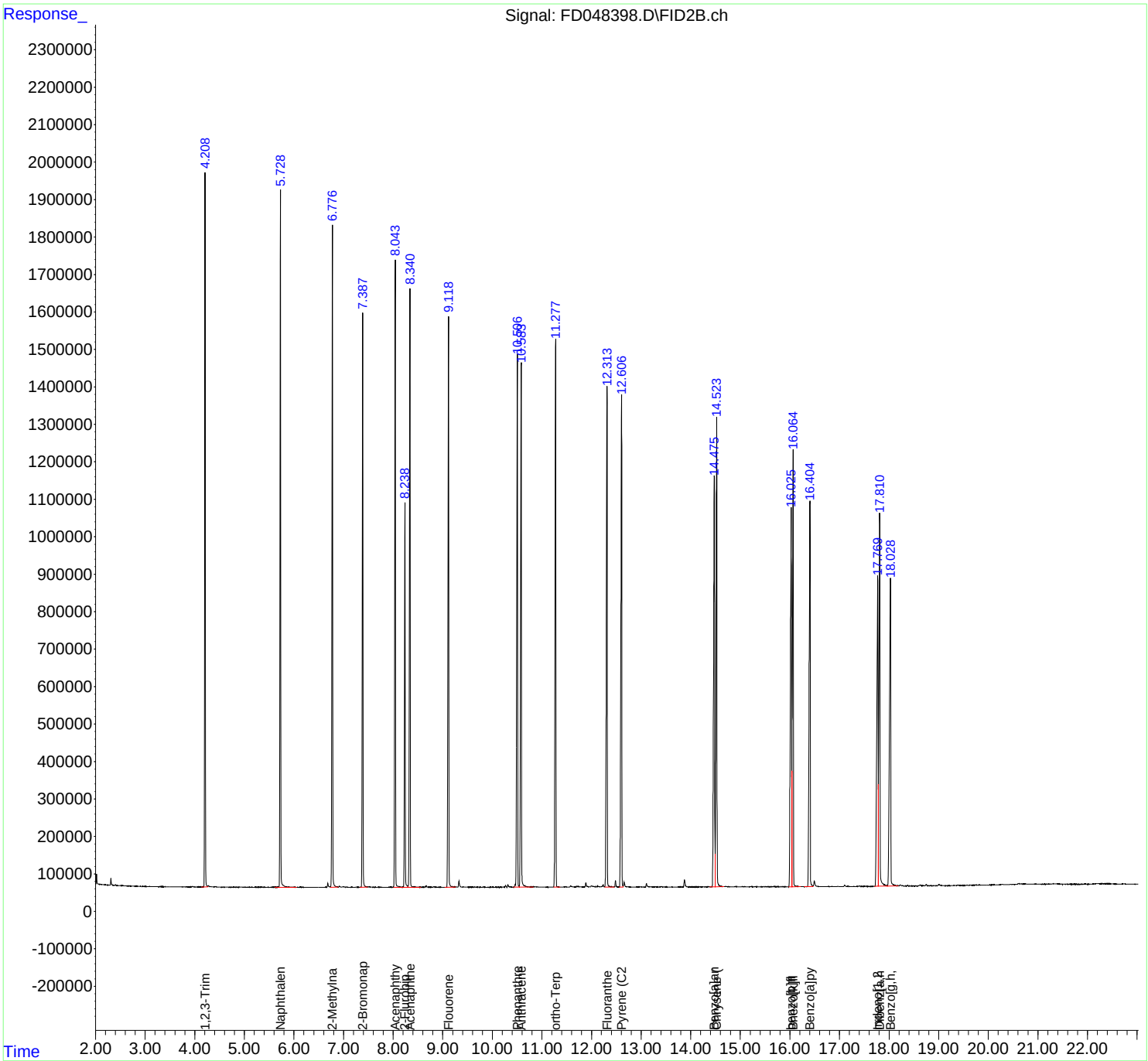
(f)=RT Delta > 1/2 Window (m)=manual int.

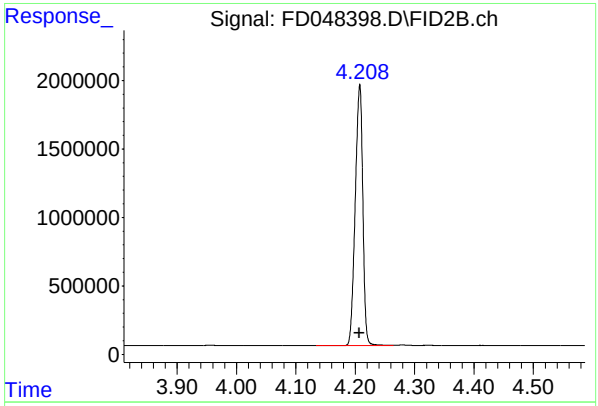
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048398.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 10:32
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Sep 30 12:32:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 12:29:39 2024
Response via : Initial Calibration
Integrator: ChemStation

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

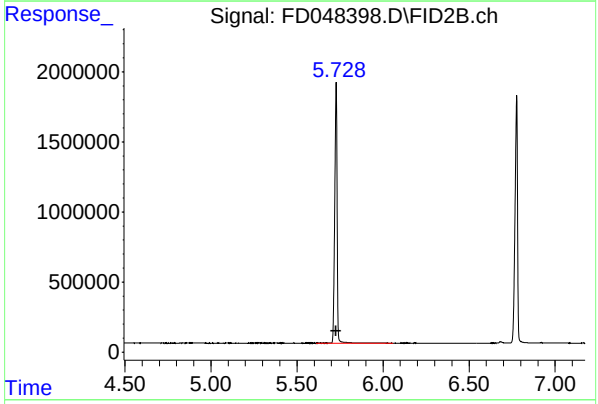




#1 1,2,3-Trimethylbenzene (C10.1)

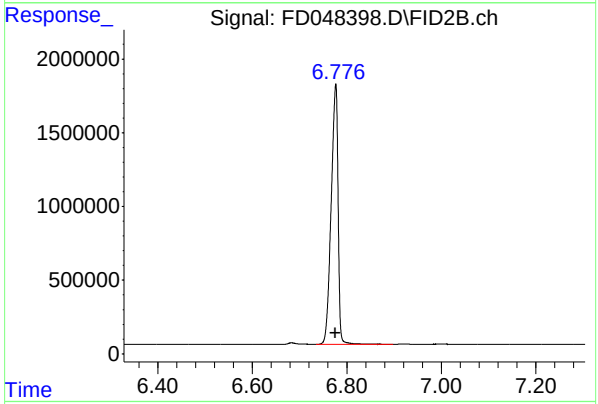
R.T.: 4.207 min
Delta R.T.: 0.000 min
Response: 16849228
Conc: 97.65 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



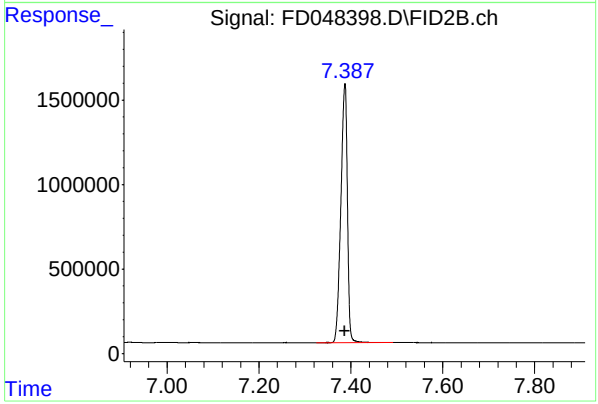
#2 Naphthalene (C11.7)

R.T.: 5.727 min
Delta R.T.: 0.000 min
Response: 17798831
Conc: 97.38 ug/ml



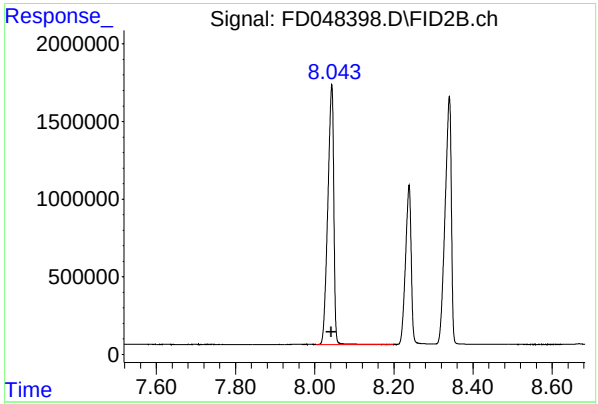
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.776 min
Delta R.T.: 0.000 min
Response: 17826888
Conc: 97.04 ug/ml



#4 2-Bromonaphthalene (SURR)

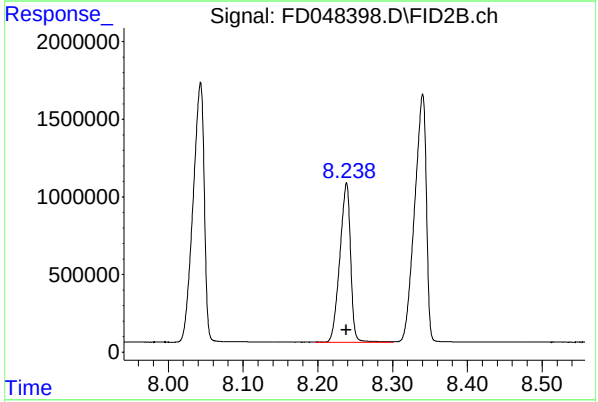
R.T.: 7.387 min
Delta R.T.: 0.000 min
Response: 15133598
Conc: 96.50 ug/ml



#5 Acenaphthylene (C15.06)

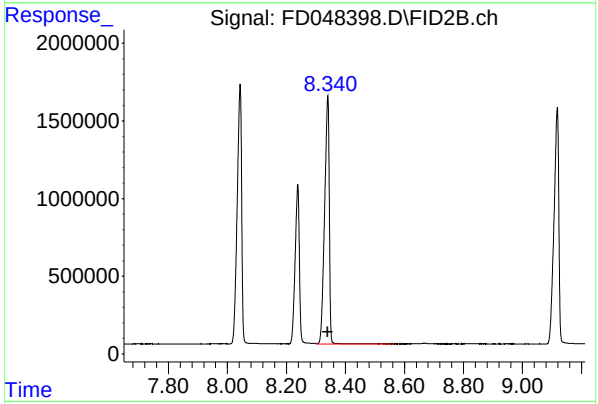
R.T.: 8.042 min
Delta R.T.: 0.000 min
Response: 17456164
Conc: 95.98 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



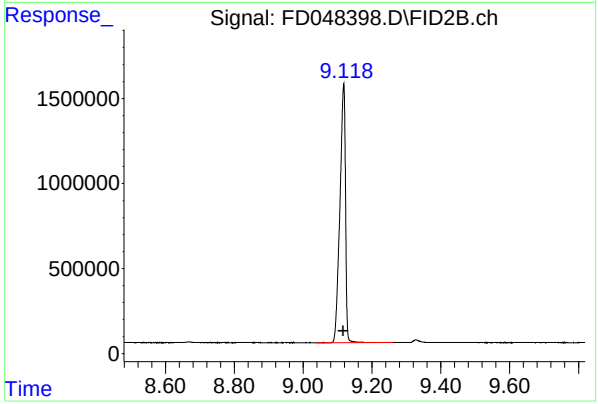
#6 2-Flurobiphenyl (SURR)

R.T.: 8.238 min
Delta R.T.: 0.000 min
Response: 10225240
Conc: 98.37 ug/ml



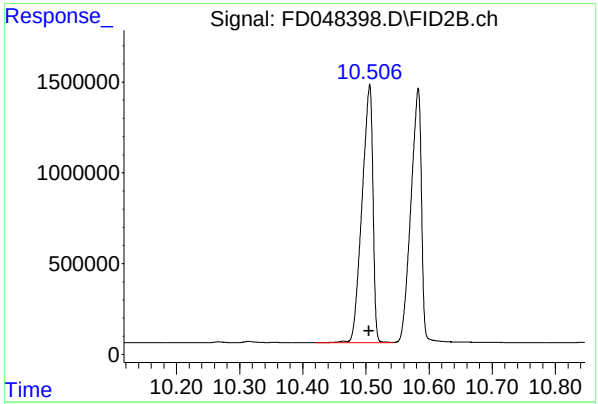
#7 Acenaphthene (C15.5)

R.T.: 8.339 min
Delta R.T.: 0.000 min
Response: 17489337
Conc: 96.08 ug/ml



#8 Flouorene (C16.55)

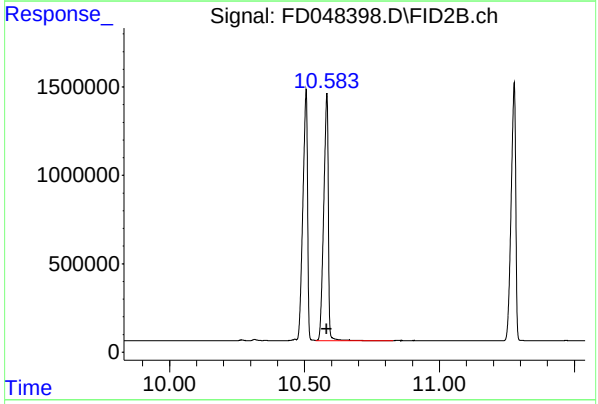
R.T.: 9.117 min
Delta R.T.: 0.000 min
Response: 17164502
Conc: 96.74 ug/ml



#9 Phenanthrene (C19.36)

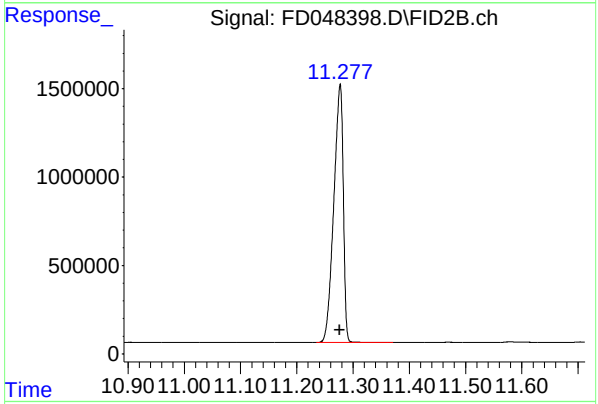
R.T.: 10.505 min
Delta R.T.: 0.000 min
Response: 17038003
Conc: 97.27 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



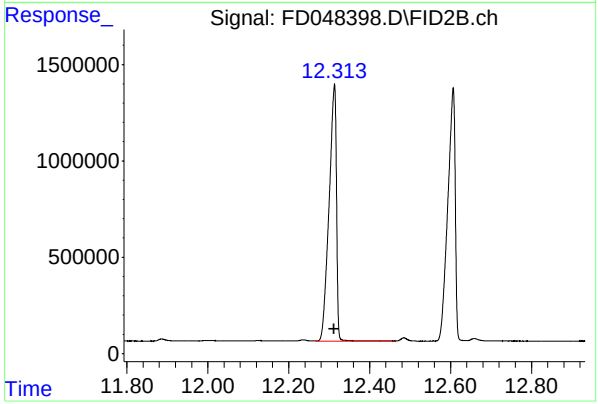
#10 Anthracene (C19.43)

R.T.: 10.582 min
Delta R.T.: 0.000 min
Response: 16550190
Conc: 96.03 ug/ml



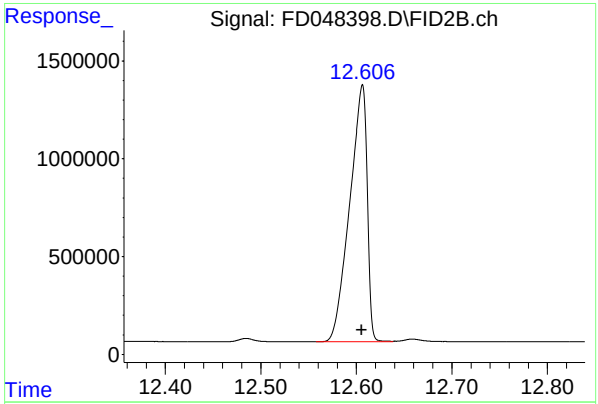
#11 ortho-Terphenyl (SURR)

R.T.: 11.276 min
Delta R.T.: 0.000 min
Response: 17090754
Conc: 95.96 ug/ml



#12 Fluoranthene (C21.85)

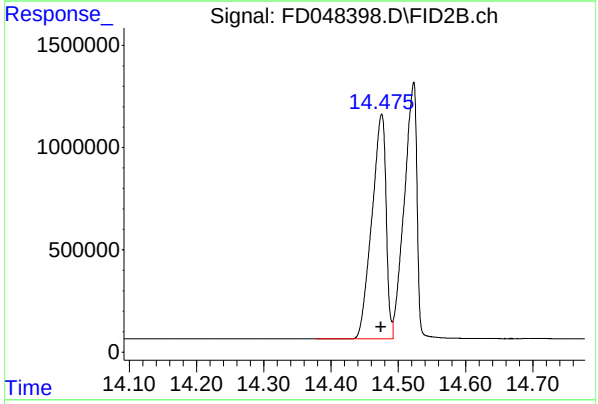
R.T.: 12.312 min
Delta R.T.: 0.000 min
Response: 16931938
Conc: 96.61 ug/ml



#13 Pyrene (C20.8)

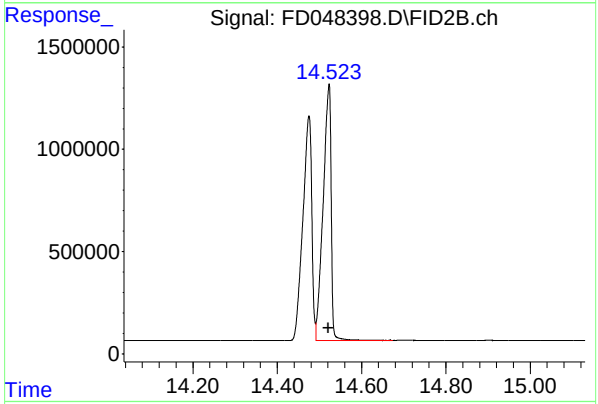
R.T.: 12.605 min
Delta R.T.: 0.000 min
Response: 16804934
Conc: 96.50 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



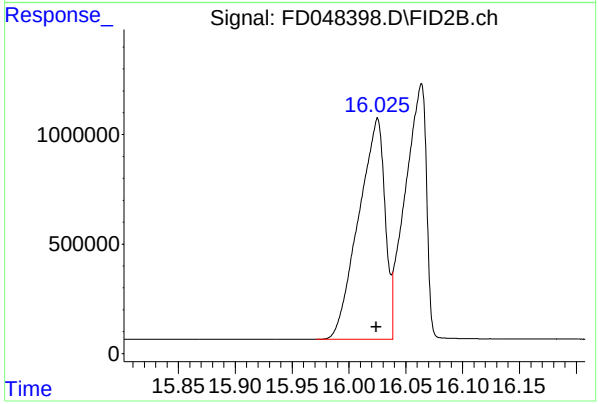
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.474 min
Delta R.T.: 0.000 min
Response: 16142668
Conc: 98.54 ug/ml



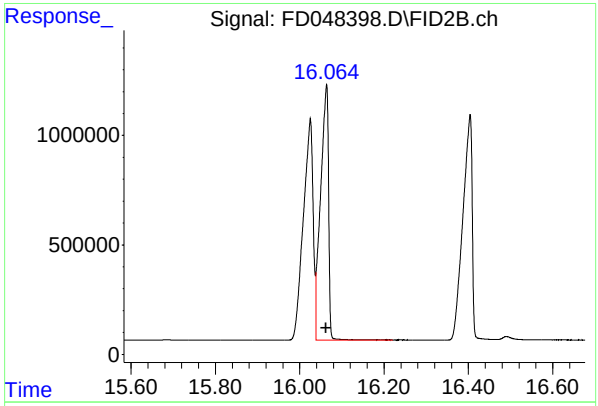
#15 Chrysene (C27.41)

R.T.: 14.521 min
Delta R.T.: 0.000 min
Response: 16511891
Conc: 94.84 ug/ml



#16 benzo[b]fluoranthene (C30.41)

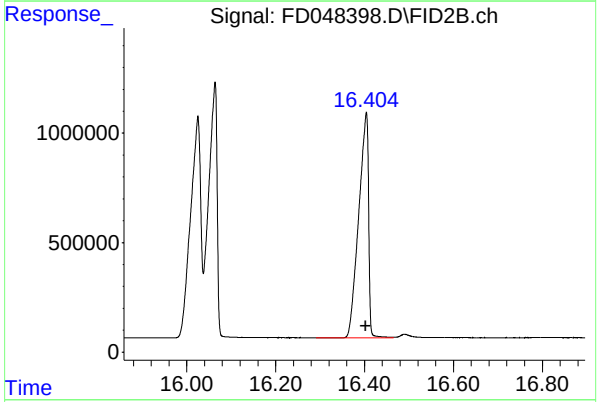
R.T.: 16.024 min
Delta R.T.: 0.000 min
Response: 16340653
Conc: 97.83 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

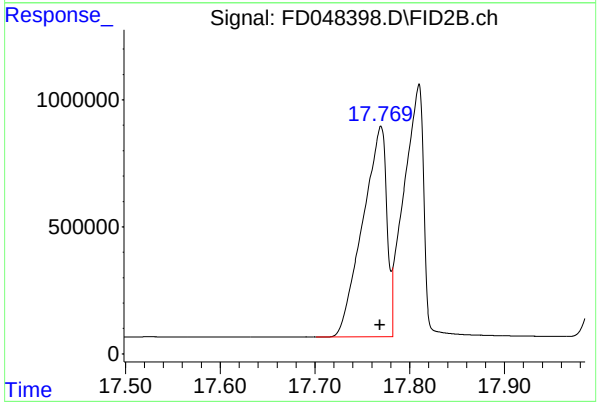
R.T.: 16.062 min
Delta R.T.: 0.000 min
Response: 15204824
Conc: 95.93 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



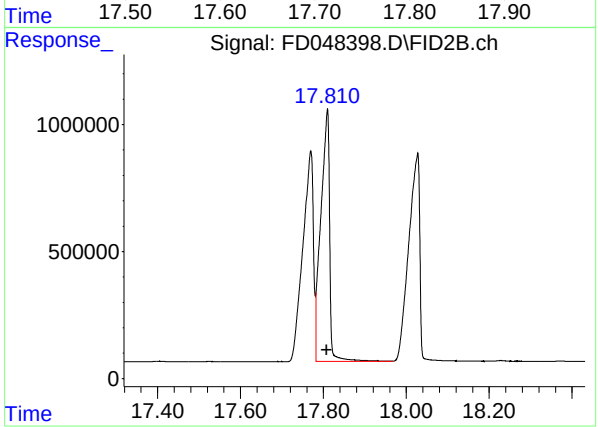
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.403 min
Delta R.T.: 0.000 min
Response: 15774557
Conc: 97.01 ug/ml



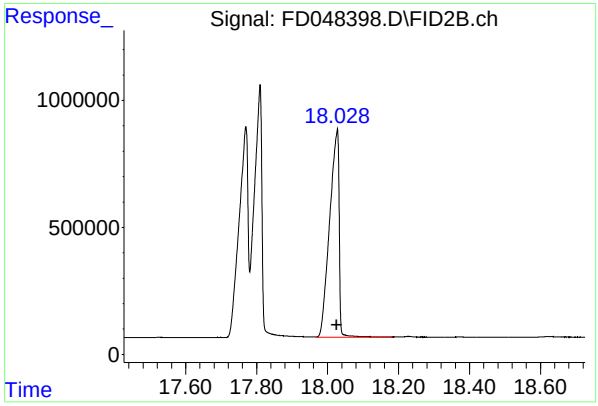
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.769 min
Delta R.T.: 0.000 min
Response: 14738374
Conc: 104.65 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.808 min
Delta R.T.: 0.000 min
Response: 14680138
Conc: 92.54 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.026 min
Delta R.T.: 0.000 mi
Response: 15193201
Conc: 96.34 ug/m

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

12

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048398.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 10:32
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.207	4.164	4.263	BV	1915723	16808820	94.42%	4.964%
2	5.727	5.664	5.941	BB	1872447	17729732	99.59%	5.236%
3	6.776	6.735	6.897	VV	1717584	17802071	100.00%	5.257%
4	7.387	7.288	7.492	BV	1560603	15119127	84.93%	4.465%
5	8.042	8.003	8.198	PB	1635352	17444290	97.99%	5.152%
6	8.238	8.198	8.300	BV	1016626	10212063	57.36%	3.016%
7	8.339	8.300	8.481	VB	1641134	17443576	97.99%	5.152%
8	9.117	8.988	9.261	BV	1531823	17126947	96.21%	5.058%
9	10.505	10.421	10.543	BV	1397756	17035396	95.69%	5.031%
10	10.582	10.543	10.784	VB	1374690	16525531	92.83%	4.880%
11	11.276	11.074	11.371	BB	1486072	17092393	96.01%	5.048%
12	12.312	12.268	12.458	VV	1302464	16901440	94.94%	4.991%
13	12.605	12.558	12.638	BV	1285020	16803834	94.39%	4.963%
14	14.474	14.301	14.492	BV	1097241	16141236	90.67%	4.767%
15	14.521	14.492	14.674	VV	1228449	16510593	92.75%	4.876%
16	16.024	15.971	16.039	BV	1003738	16339021	91.78%	4.825%
17	16.062	16.039	16.184	VB	1128407	15185368	85.30%	4.485%
18	16.403	16.291	16.464	BV	1053085	15772391	88.60%	4.658%
19	17.769	17.701	17.782	BV	822737	14738374	82.79%	4.353%
20	17.808	17.782	17.968	VV	969287	14680138	82.46%	4.335%
21	18.026	17.968	18.184	VV	801967	15193201	85.35%	4.487%
			Sum of corrected areas:			338605545		

Aromatic EPH 093024.M Tue Oct 01 01:47:33 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048399.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 11:10
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Sep 30 12:34:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 12:29:39 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...	7.383	8053284	50.892 ug/ml
	Spiked Amount 50.000		Recovery = 101.78%	
6)	S 2-Flurobiphenyl (SURR)	8.233	5363905	51.056 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 102.11%	
11)	S ortho-Terphenyl (SURR)	11.270	9118209	50.790 ug/ml
	Spiked Amount 50.000		Recovery = 101.58%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.204	8896963	51.031 ug/ml
2)	T Naphthalene (C11.7)	5.723	9355415	50.785 ug/ml
3)	T 2-Methylnaphthalene (...	6.771	9401412	50.779 ug/ml
5)	T Acenaphthylene (C15.06)	8.037	9277174	50.667 ug/ml
7)	T Acenaphthene (C15.5)	8.333	9308587	50.754 ug/ml
8)	T Flouorene (C16.55)	9.111	9110768	50.892 ug/ml
9)	T Phenanthrene (C19.36)	10.498	9022332	50.995 ug/ml
10)	T Anthracene (C19.43)	10.574	8792165	50.672 ug/ml
12)	T Fluoranthene (C21.85)	12.304	9031075	51.008 ug/ml
13)	T Pyrene (C20.8)	12.597	8955008	50.941 ug/ml
14)	T Benzo[a]anthracene (C...	14.466	8534836	51.382 ug/ml
15)	T Chrysene (C27.41)	14.509	8851759	50.558 ug/ml
16)	T benzo[b]fluoranthene ...	16.013	8576544	50.889 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.048	8089512	50.688 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.390	8357472	50.921 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.754	7322210	51.311 ug/ml
20)	T Dibenz[a,h]anthracene...	17.793	8013212	50.343 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.008	7980065	50.401 ug/ml

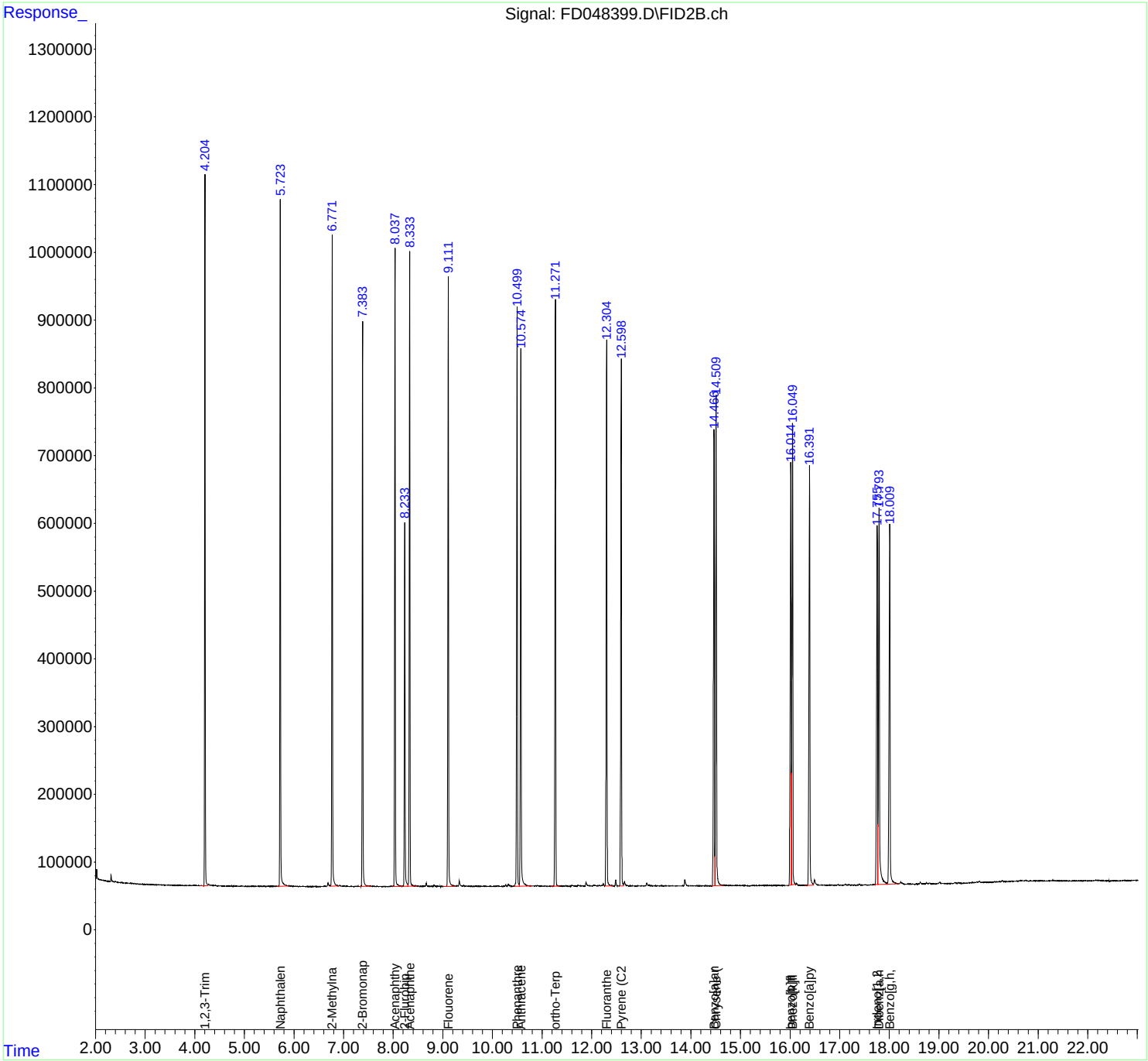
(f)=RT Delta > 1/2 Window (m)=manual int.

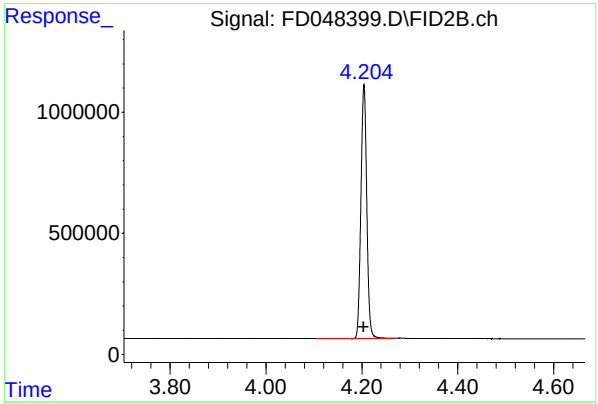
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048399.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 11:10
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Sep 30 12:34:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 12:29:39 2024
Response via : Initial Calibration
Integrator: ChemStation

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

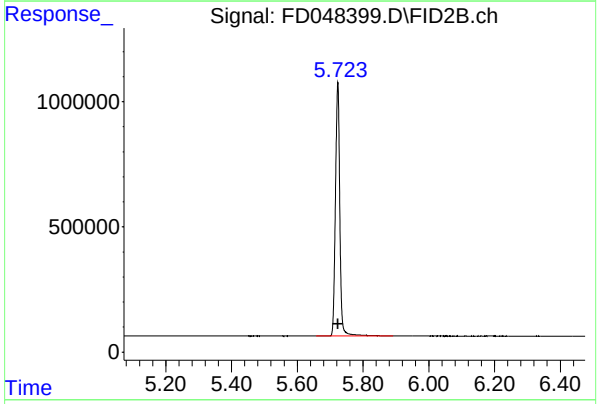




#1 1,2,3-Trimethylbenzene (C10.1)

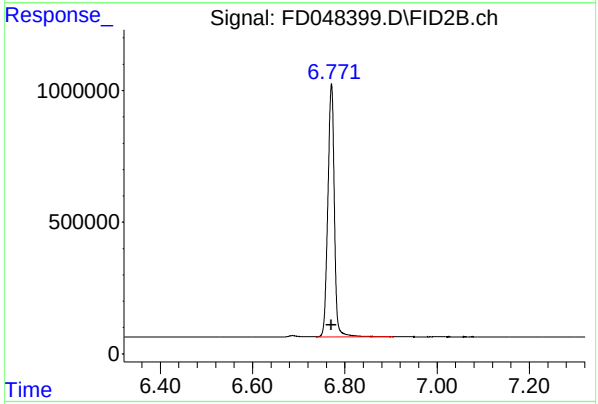
R.T.: 4.204 min
Delta R.T.: 0.000 min
Response: 8896963
Conc: 51.03 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



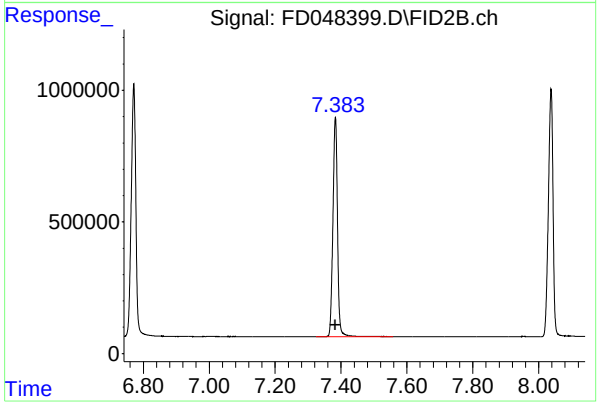
#2 Naphthalene (C11.7)

R.T.: 5.723 min
Delta R.T.: 0.000 min
Response: 9355415
Conc: 50.78 ug/ml



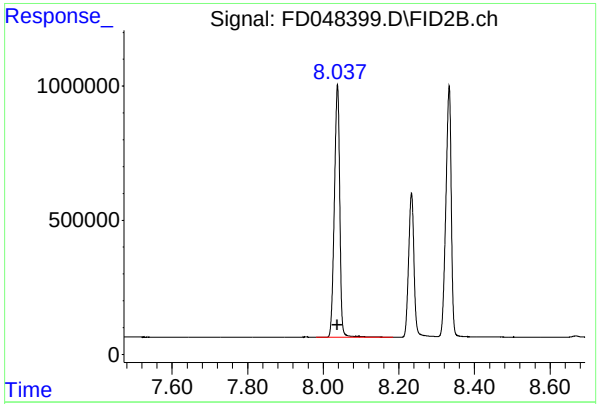
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.771 min
Delta R.T.: 0.000 min
Response: 9401412
Conc: 50.78 ug/ml



#4 2-Bromonaphthalene (SURR)

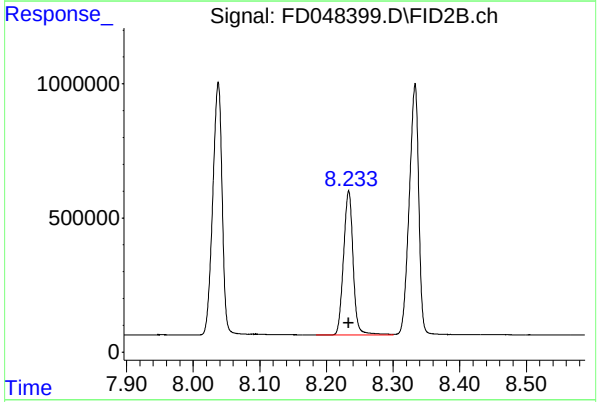
R.T.: 7.383 min
Delta R.T.: 0.000 min
Response: 8053284
Conc: 50.89 ug/ml



#5 Acenaphthylene (C15.06)

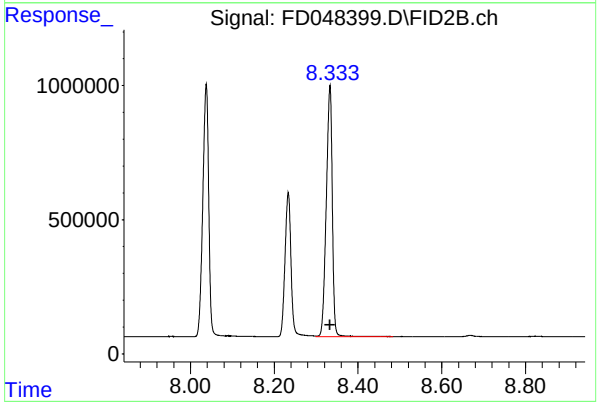
R.T.: 8.037 min
Delta R.T.: 0.000 min
Response: 9277174
Conc: 50.67 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



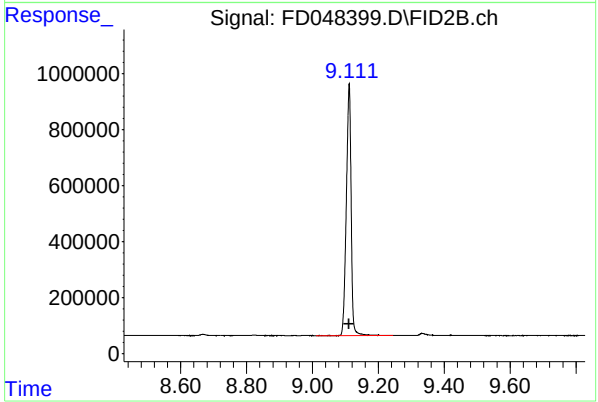
#6 2-Flurobiphenyl (SURR)

R.T.: 8.233 min
Delta R.T.: 0.000 min
Response: 5363905
Conc: 51.06 ug/ml



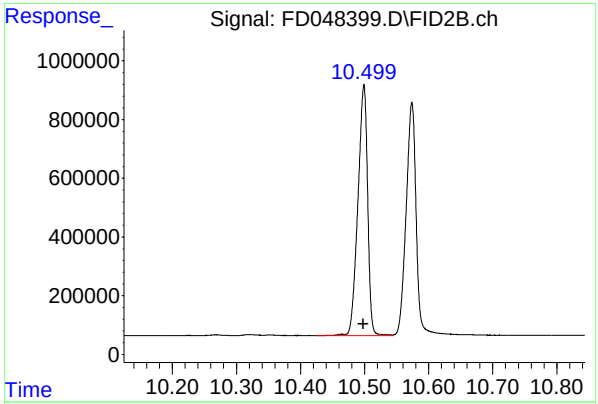
#7 Acenaphthene (C15.5)

R.T.: 8.333 min
Delta R.T.: 0.000 min
Response: 9308587
Conc: 50.75 ug/ml



#8 Flouorene (C16.55)

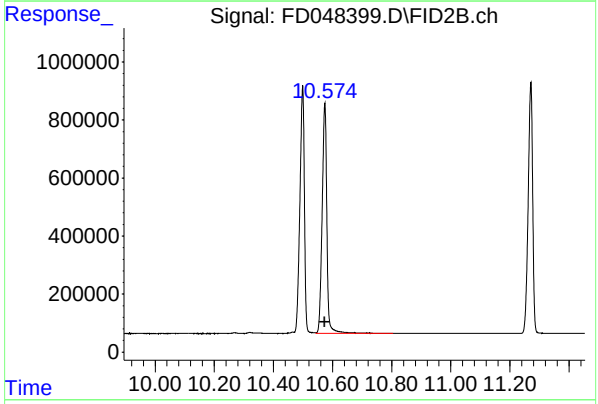
R.T.: 9.111 min
Delta R.T.: 0.000 min
Response: 9110768
Conc: 50.89 ug/ml



#9 Phenanthrene (C19.36)

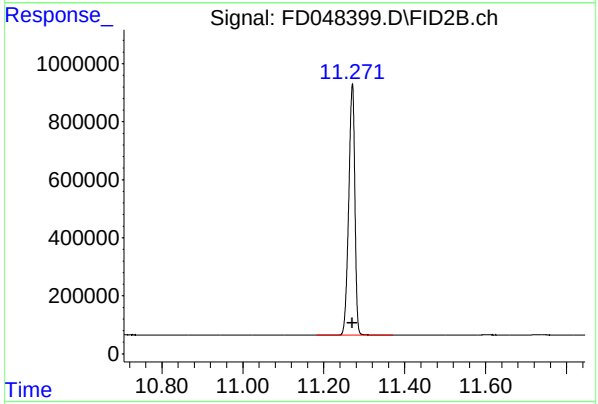
R.T.: 10.498 min
Delta R.T.: 0.000 min
Response: 9022332
Conc: 51.00 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



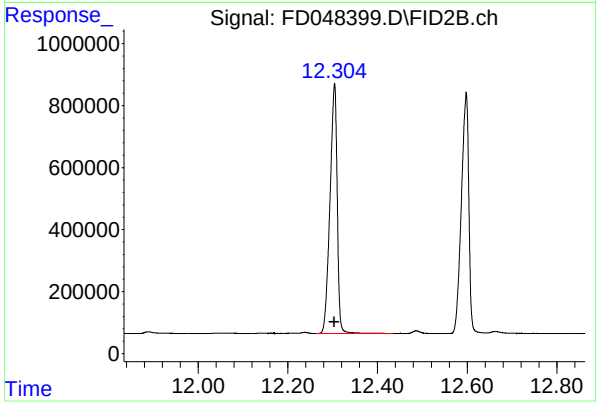
#10 Anthracene (C19.43)

R.T.: 10.574 min
Delta R.T.: 0.000 min
Response: 8792165
Conc: 50.67 ug/ml



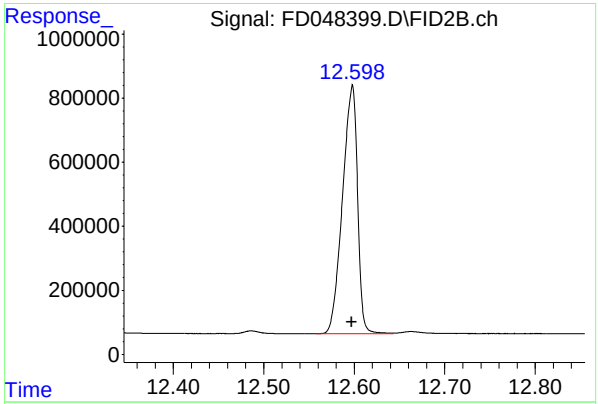
#11 ortho-Terphenyl (SURR)

R.T.: 11.270 min
Delta R.T.: 0.000 min
Response: 9118209
Conc: 50.79 ug/ml



#12 Fluoranthene (C21.85)

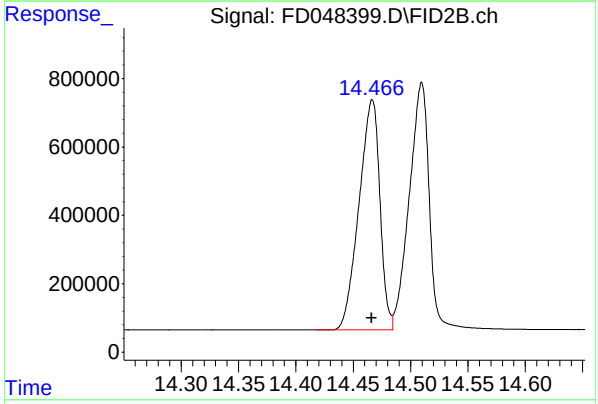
R.T.: 12.304 min
Delta R.T.: 0.000 min
Response: 9031075
Conc: 51.01 ug/ml



#13 Pyrene (C20.8)

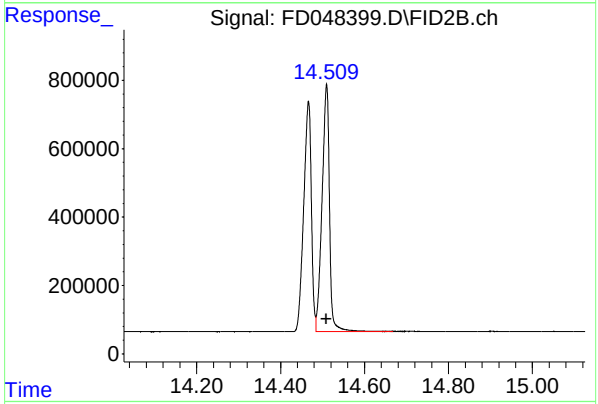
R.T.: 12.597 min
Delta R.T.: 0.000 min
Response: 8955008
Conc: 50.94 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



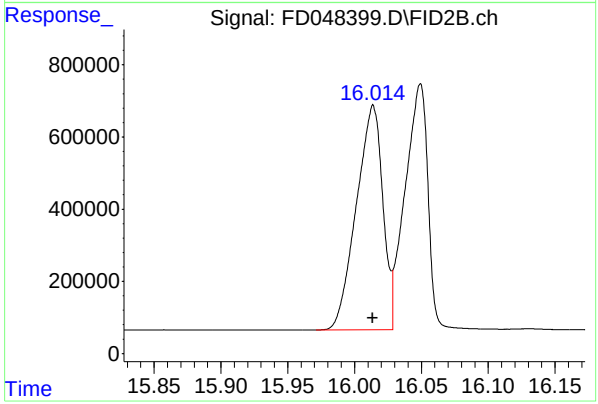
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.466 min
Delta R.T.: 0.000 min
Response: 8534836
Conc: 51.38 ug/ml



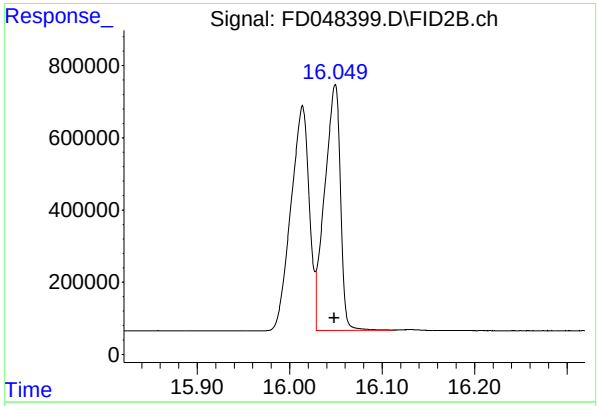
#15 Chrysene (C27.41)

R.T.: 14.509 min
Delta R.T.: 0.000 min
Response: 8851759
Conc: 50.56 ug/ml



#16 benzo[b]fluoranthene (C30.41)

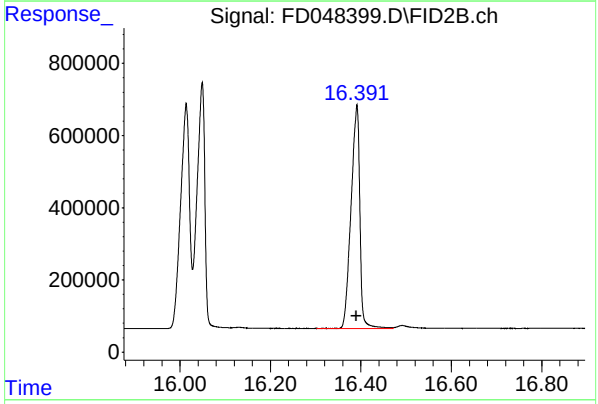
R.T.: 16.013 min
Delta R.T.: 0.000 min
Response: 8576544
Conc: 50.89 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

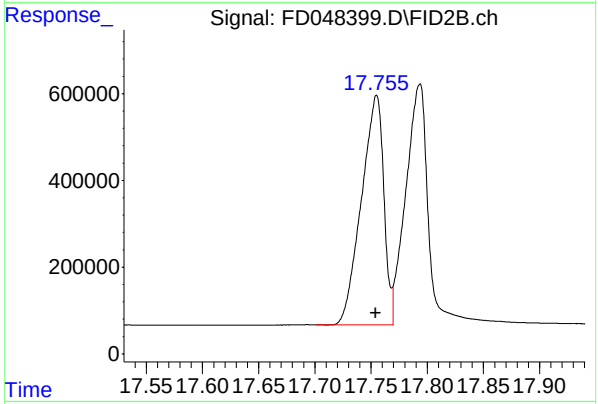
R.T.: 16.048 min
Delta R.T.: 0.000 min
Response: 8089512
Conc: 50.69 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



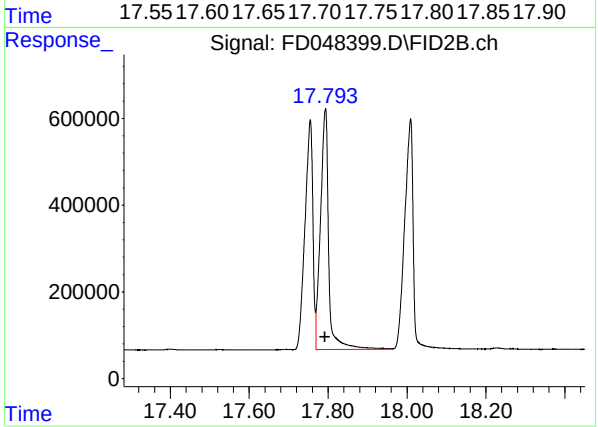
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.390 min
Delta R.T.: 0.000 min
Response: 8357472
Conc: 50.92 ug/ml



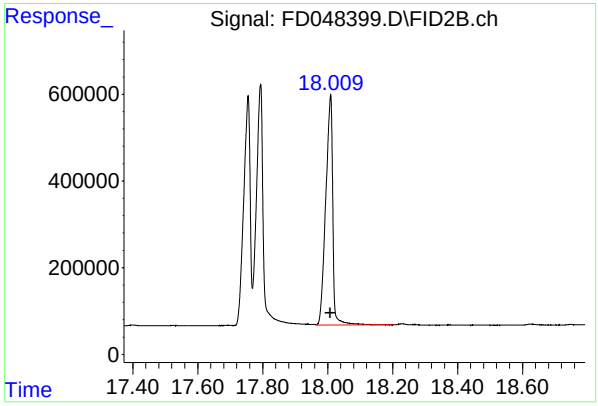
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.754 min
Delta R.T.: 0.000 min
Response: 7322210
Conc: 51.31 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.793 min
Delta R.T.: 0.000 min
Response: 8013212
Conc: 50.34 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.008 min
Delta R.T.: 0.000 mi
Response: 7980065
Conc: 50.40 ug/m

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

12

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048399.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 11:10
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.204	4.138	4.265	BV	1045239	8844267	94.06%	4.936%
2	5.723	5.658	5.891	BV	1020976	9343668	99.37%	5.215%
3	6.771	6.738	6.904	VV	960640	9403190	100.00%	5.248%
4	7.383	7.275	7.528	PB	837974	8028291	85.38%	4.480%
5	8.037	7.981	8.168	VB	944306	9271271	98.60%	5.174%
6	8.233	8.178	8.300	BV	539343	5360312	57.01%	2.991%
7	8.333	8.300	8.481	VB	915788	9306766	98.97%	5.194%
8	9.111	9.021	9.244	BV	895204	9076333	96.52%	5.065%
9	10.498	10.398	10.544	BV	844446	9014676	95.87%	5.031%
10	10.574	10.544	10.781	VB	797965	8775430	93.32%	4.897%
11	11.270	11.184	11.371	BV	872834	9112859	96.91%	5.086%
12	12.304	12.263	12.434	PB	812257	8998589	95.70%	5.022%
13	12.597	12.558	12.643	BV	778213	8954963	95.23%	4.998%
14	14.466	14.318	14.485	BV	683059	8526273	90.67%	4.758%
15	14.509	14.485	14.668	VB	714287	8844035	94.05%	4.936%
16	16.013	15.971	16.029	BV	624297	8576544	91.21%	4.786%
17	16.048	16.029	16.112	VV	674122	8089512	86.03%	4.515%
18	16.390	16.204	16.471	BV	618316	8343619	88.73%	4.656%
19	17.754	17.701	17.769	BV	530824	7322210	77.87%	4.086%
20	17.793	17.769	17.964	VV	549809	8013212	85.22%	4.472%
21	18.008	17.964	18.201	VBA	525536	7980065	84.87%	4.454%
			Sum of corrected areas:			179186086		

Aromatic EPH 093024.M Tue Oct 01 01:48:30 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048400.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 11:48
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Sep 30 12:30:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 12:29:39 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...	7.382	3246497	20.000	ug/ml
Spiked Amount	50.000		Recovery =	40.00%	
6)	S 2-Flurobiphenyl (SURR)	8.232	2113006	20.000	ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.00%	
11)	S ortho-Terphenyl (SURR)	11.267	3706162	20.000	ug/ml
Spiked Amount	50.000		Recovery =	40.00%	
	Target Compounds				
1)	T 1,2,3-Trimethylbenzen...	4.204	3531993	20.000	ug/ml
2)	T Naphthalene (C11.7)	5.722	3751038	20.000	ug/ml
3)	T 2-Methylnaphthalene (...	6.769	3782649	20.000	ug/ml
5)	T Acenaphthylene (C15.06)	8.034	3784046	20.000	ug/ml
7)	T Acenaphthene (C15.5)	8.328	3783016	20.000	ug/ml
8)	T Flouorene (C16.55)	9.107	3664123	20.000	ug/ml
9)	T Phenanthrene (C19.36)	10.494	3599000	20.000	ug/ml
10)	T Anthracene (C19.43)	10.569	3583756	20.000	ug/ml
12)	T Fluoranthene (C21.85)	12.298	3624323	20.000	ug/ml
13)	T Pyrene (C20.8)	12.591	3604512	20.000	ug/ml
14)	T Benzo[a]anthracene (C...	14.460	3323894	20.000	ug/ml
15)	T Chrysene (C27.41)	14.501	3661741	20.000	ug/ml
16)	T benzo[b]fluoranthene ...	16.005	3413368	20.000	ug/ml
17)	T Bnezo[k]fluoranthene ...	16.037	3298832	20.000	ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.380	3349724	20.000	ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.743	2685595	20.000	ug/ml
20)	T Dibenz[a,h]anthracene...	17.784	3409082	20.000	ug/ml
21)	T Benzo[g,h,i]perylene ...	17.993	3269223	20.000	ug/ml

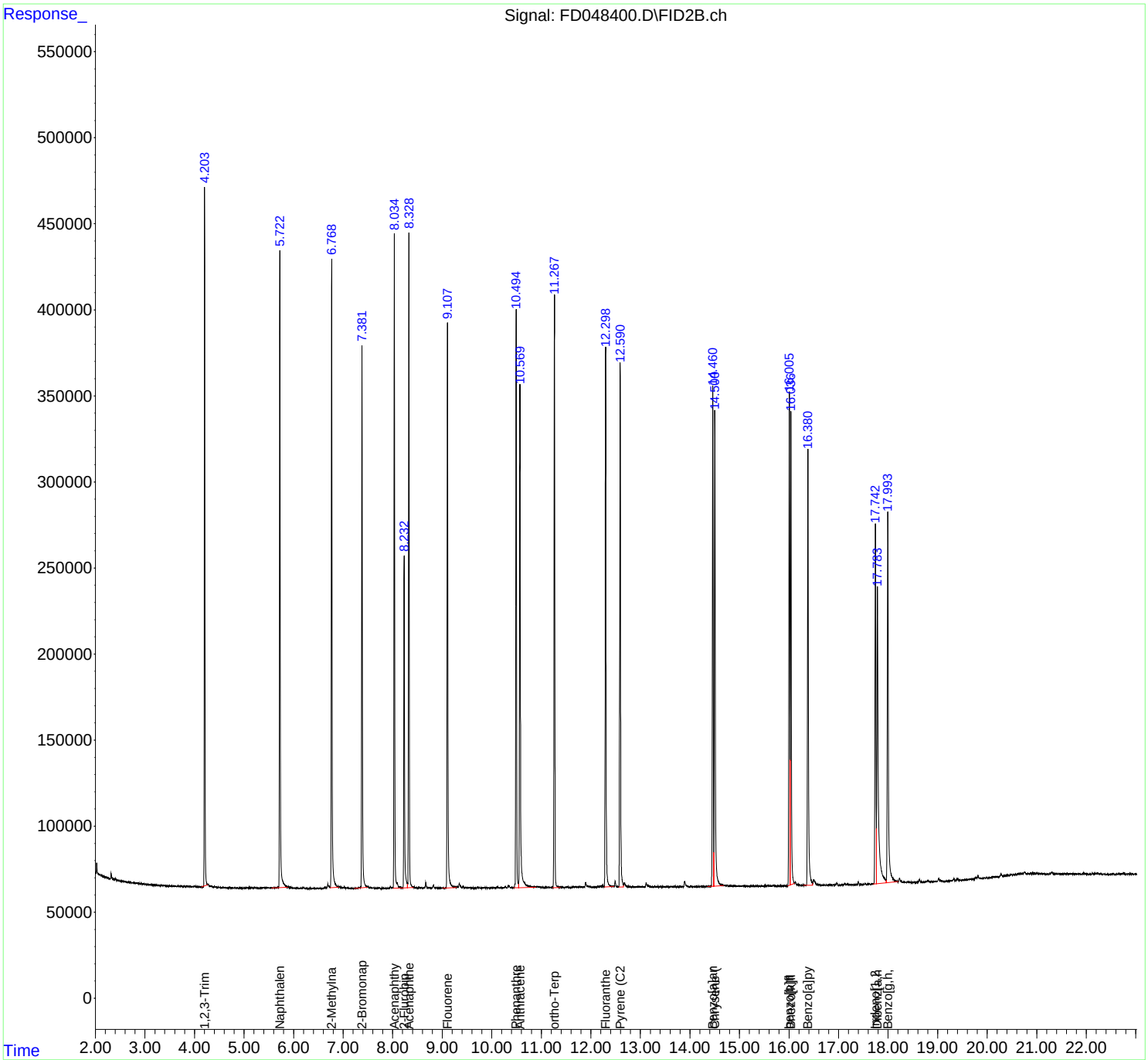
(f)=RT Delta > 1/2 Window (m)=manual int.

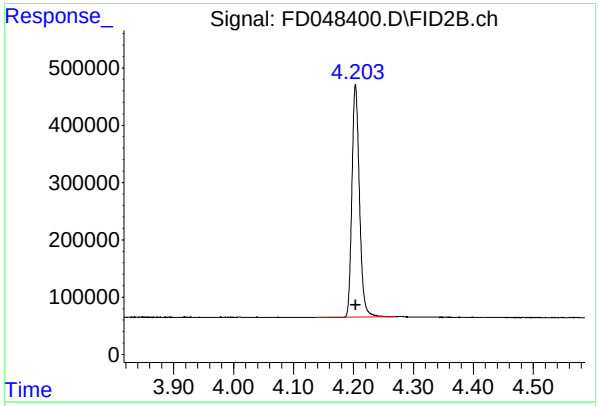
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048400.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 11:48
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Sep 30 12:30:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 12:29:39 2024
Response via : Initial Calibration
Integrator: ChemStation

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

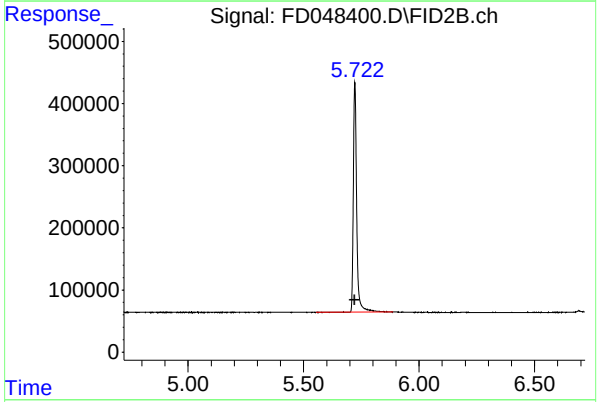




#1 1,2,3-Trimethylbenzene (C10.1)

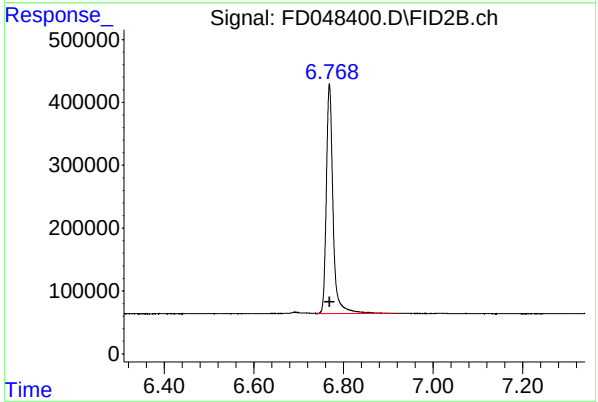
R.T.: 4.204 min
Delta R.T.: 0.000 min
Response: 3531993
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



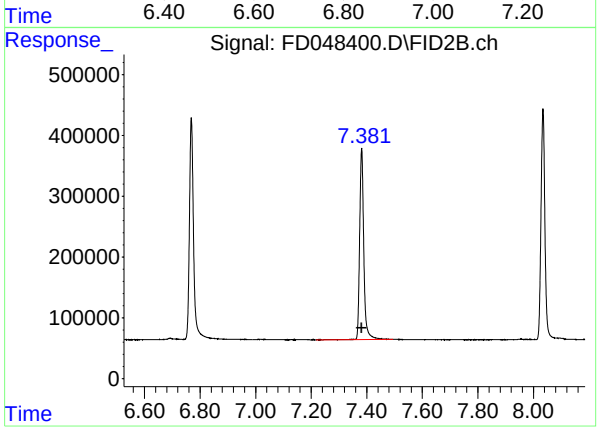
#2 Naphthalene (C11.7)

R.T.: 5.722 min
Delta R.T.: 0.000 min
Response: 3751038
Conc: 20.00 ug/ml



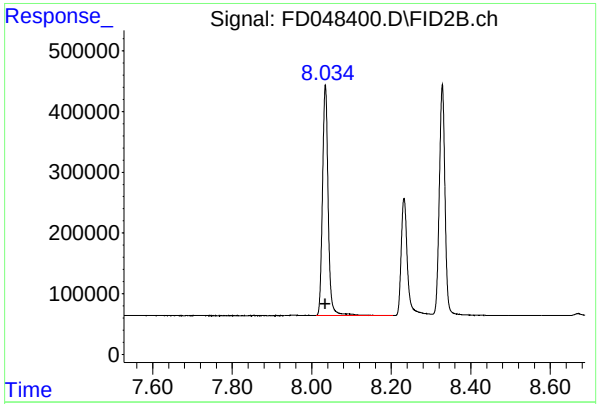
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.769 min
Delta R.T.: 0.000 min
Response: 3782649
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

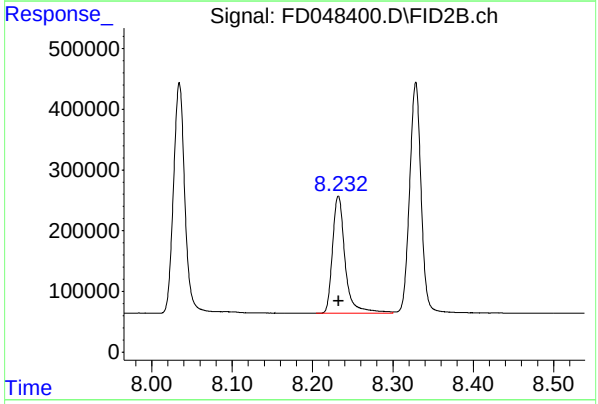
R.T.: 7.382 min
Delta R.T.: 0.000 min
Response: 3246497
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

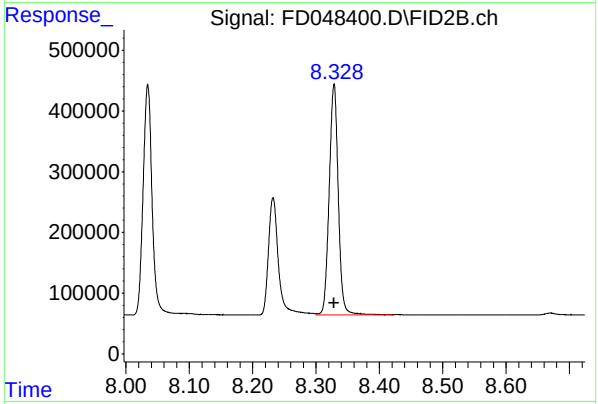
R.T.: 8.034 min
Delta R.T.: 0.000 min
Response: 3784046
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



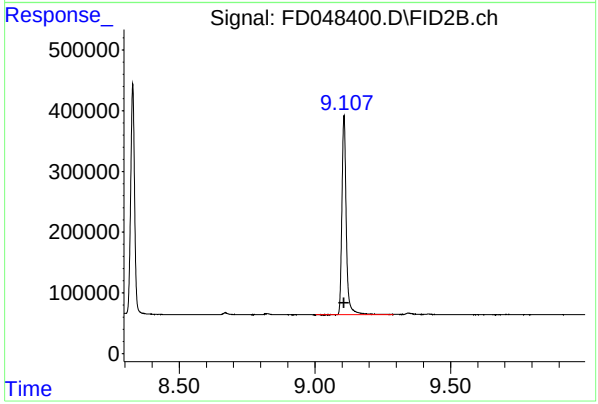
#6 2-Flurobiphenyl (SURR)

R.T.: 8.232 min
Delta R.T.: 0.000 min
Response: 2113006
Conc: 20.00 ug/ml



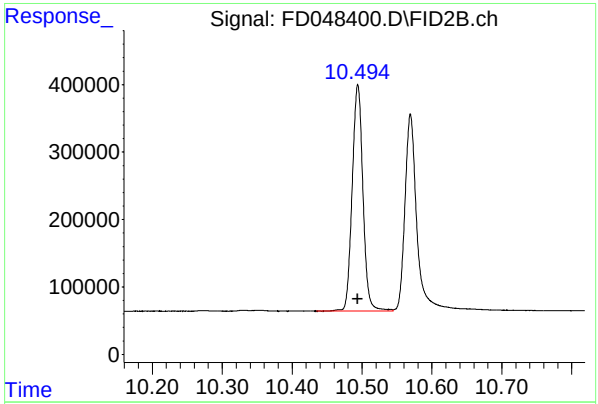
#7 Acenaphthene (C15.5)

R.T.: 8.328 min
Delta R.T.: 0.000 min
Response: 3783016
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

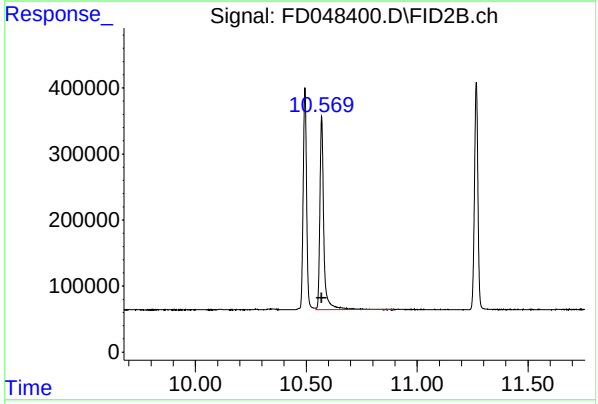
R.T.: 9.107 min
Delta R.T.: 0.000 min
Response: 3664123
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

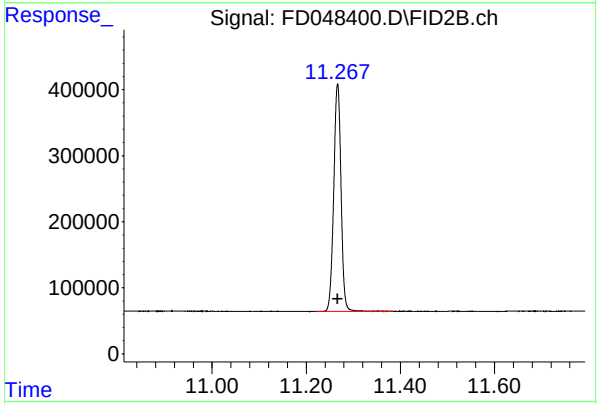
R.T.: 10.494 min
Delta R.T.: 0.000 min
Response: 3599000
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



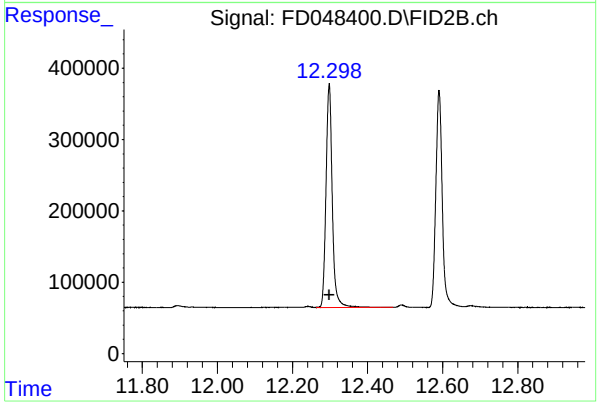
#10 Anthracene (C19.43)

R.T.: 10.569 min
Delta R.T.: 0.000 min
Response: 3583756
Conc: 20.00 ug/ml



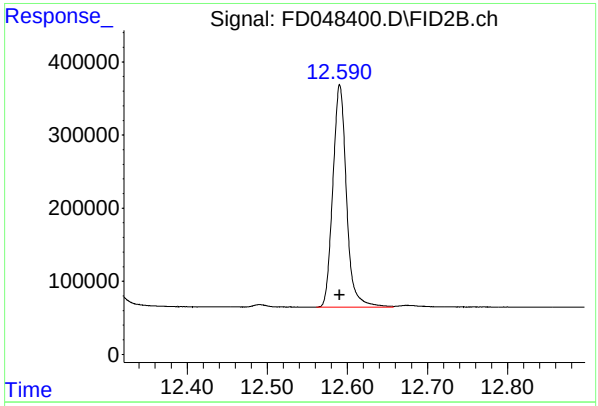
#11 ortho-Terphenyl (SURR)

R.T.: 11.267 min
Delta R.T.: 0.000 min
Response: 3706162
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

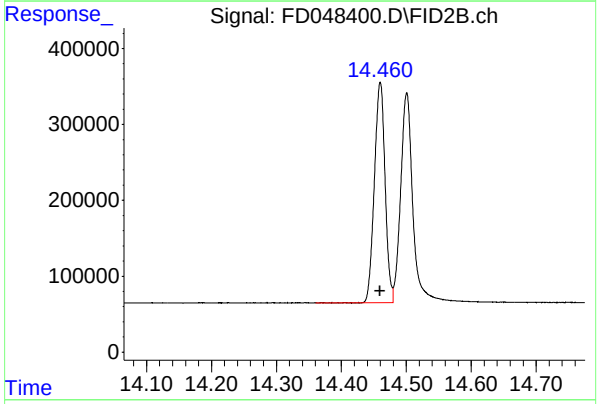
R.T.: 12.298 min
Delta R.T.: 0.000 min
Response: 3624323
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

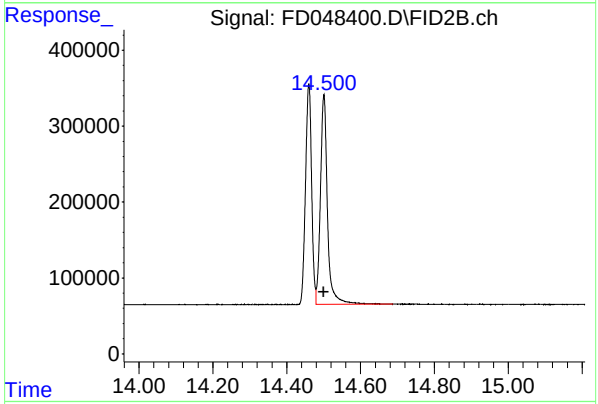
R.T.: 12.591 min
Delta R.T.: 0.000 min
Response: 3604512
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



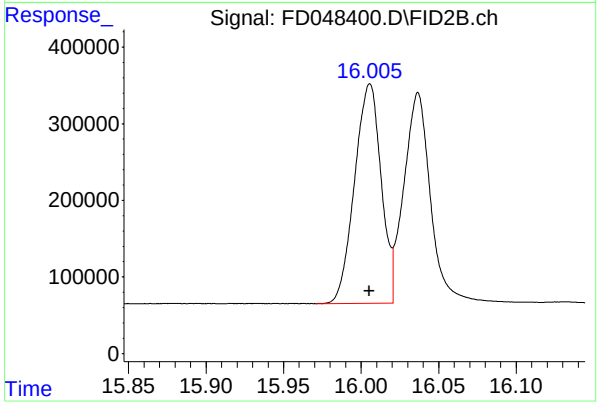
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.460 min
Delta R.T.: 0.000 min
Response: 3323894
Conc: 20.00 ug/ml



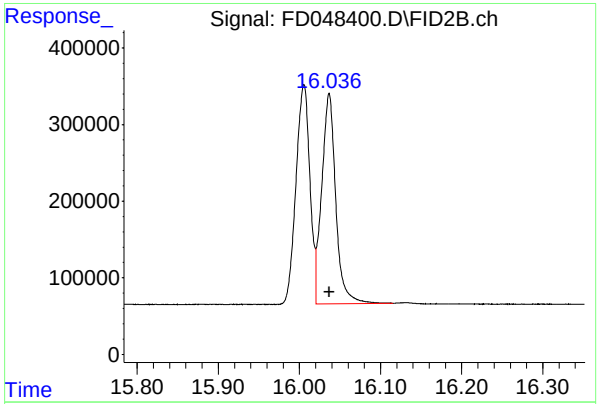
#15 Chrysene (C27.41)

R.T.: 14.501 min
Delta R.T.: 0.000 min
Response: 3661741
Conc: 20.00 ug/ml



#16 benzo[b]fluoranthene (C30.41)

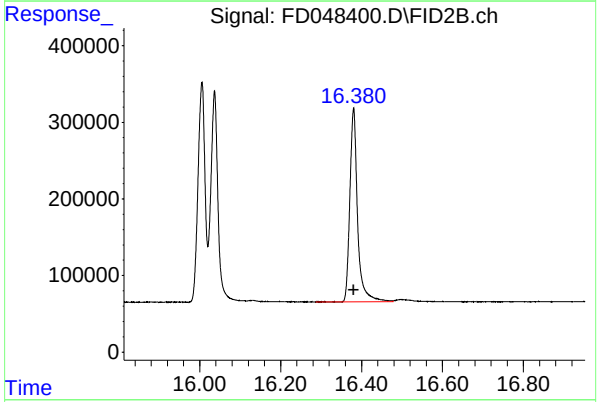
R.T.: 16.005 min
Delta R.T.: 0.000 min
Response: 3413368
Conc: 20.00 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

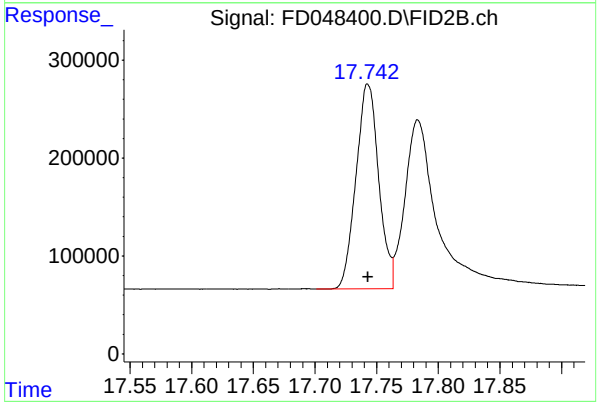
R.T.: 16.037 min
Delta R.T.: 0.000 min
Response: 3298832
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



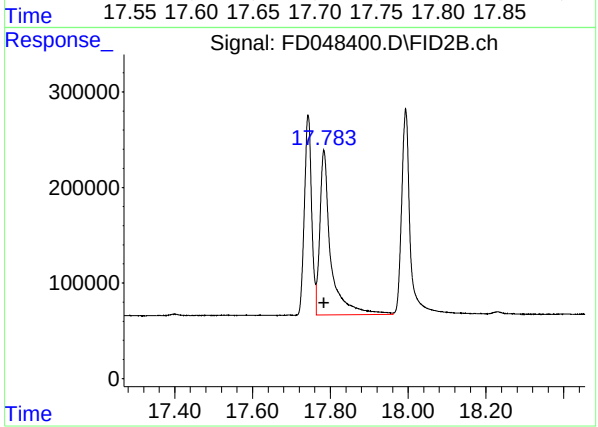
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.380 min
Delta R.T.: 0.000 min
Response: 3349724
Conc: 20.00 ug/ml



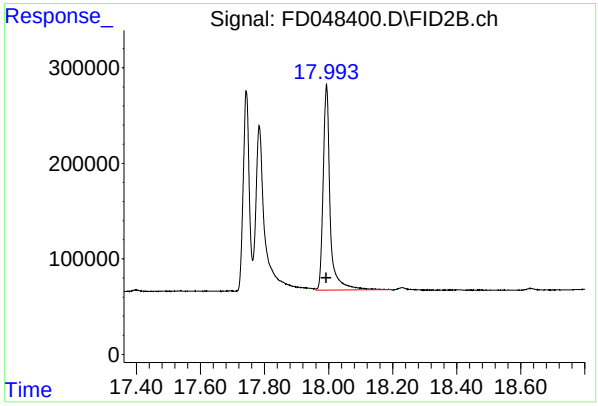
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.743 min
Delta R.T.: 0.000 min
Response: 2685595
Conc: 20.00 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.784 min
Delta R.T.: 0.000 min
Response: 3409082
Conc: 20.00 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.993 min
Delta R.T.: 0.000 mi
Response: 3269223
Conc: 20.00 ug/m

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

12

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048400.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 11:48
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.204	4.151	4.266	BV	400376	3537815	93.04%	4.912%
2	5.722	5.581	5.888	BV	369307	3754770	98.74%	5.213%
3	6.769	6.739	6.911	VB	364360	3783797	99.50%	5.253%
4	7.382	7.114	7.574	BB	313593	3296950	86.70%	4.577%
5	8.034	7.984	8.204	BB	379343	3765462	99.02%	5.228%
6	8.232	8.204	8.300	BV	193436	2116292	55.65%	2.938%
7	8.328	8.300	8.468	VB	378708	3802634	100.00%	5.279%
8	9.107	9.038	9.264	BB	327878	3643058	95.80%	5.058%
9	10.494	10.401	10.544	BV	335819	3590326	94.42%	4.985%
10	10.569	10.544	10.798	VB	289199	3544937	93.22%	4.921%
11	11.267	11.181	11.384	BB	345260	3694652	97.16%	5.129%
12	12.298	12.263	12.444	PB	312362	3617732	95.14%	5.023%
13	12.591	12.531	12.657	BV	303618	3561567	93.66%	4.945%
14	14.460	14.388	14.479	BV	292456	3322945	87.39%	4.613%
15	14.501	14.479	14.684	VB	276578	3655582	96.13%	5.075%
16	16.005	15.971	16.021	BV	284955	3413368	89.76%	4.739%
17	16.037	16.021	16.115	VV	275555	3298832	86.75%	4.580%
18	16.380	16.284	16.478	BV	253350	3265182	85.87%	4.533%
19	17.743	17.701	17.763	BV	209613	2685595	70.62%	3.728%
20	17.784	17.763	17.961	VV	171664	3409082	89.65%	4.733%
21	17.993	17.961	18.201	VBA	216275	3269223	85.97%	4.539%
			Sum of corrected areas:			72029803		

Aromatic EPH 093024.M Tue Oct 01 01:49:11 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048401.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 12:47
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Sep 30 13:23:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 13:23:03 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...	7.381	1605451	10.109 ug/ml
Spiked Amount	50.000		Recovery =	20.22%
6) S	2-Flurobiphenyl (SURR)	8.233	1016463	9.754 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	19.51%
11) S	ortho-Terphenyl (SURR)	11.265	1833921	10.161 ug/ml
Spiked Amount	50.000		Recovery =	20.32%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.202	1731147	9.947 ug/ml
2) T	Naphthalene (C11.7)	5.721	1840574	9.994 ug/ml
3) T	2-Methylnaphthalene (...	6.768	1908614	10.230 ug/ml
5) T	Acenaphthylene (C15.06)	8.033	1960832	10.522 ug/ml
7) T	Acenaphthene (C15.5)	8.326	1881168	10.191 ug/ml
8) T	Flouorene (C16.55)	9.107	1798234	10.034 ug/ml
9) T	Phenanthrene (C19.36)	10.493	1754425	9.937 ug/ml
10) T	Anthracene (C19.43)	10.570	1840011	10.447 ug/ml
12) T	Fluoranthene (C21.85)	12.298	1804434	10.143 ug/ml
13) T	Pyrene (C20.8)	12.590	1743379	9.938 ug/ml
14) T	Benzo[a]anthracene (C...	14.458	1549123	9.486 ug/ml
15) T	Chrysene (C27.41)	14.499	1921102	10.712 ug/ml
16) T	benzo[b]fluoranthene ...	16.003	1647278	9.830 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.034	1761068	10.756 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.384	1649795	10.039 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.747	1182778	8.659 ug/ml
20) T	Dibenz[a,h]anthracene...	17.791	1747599	10.717 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.994	1634016	10.238 ug/ml

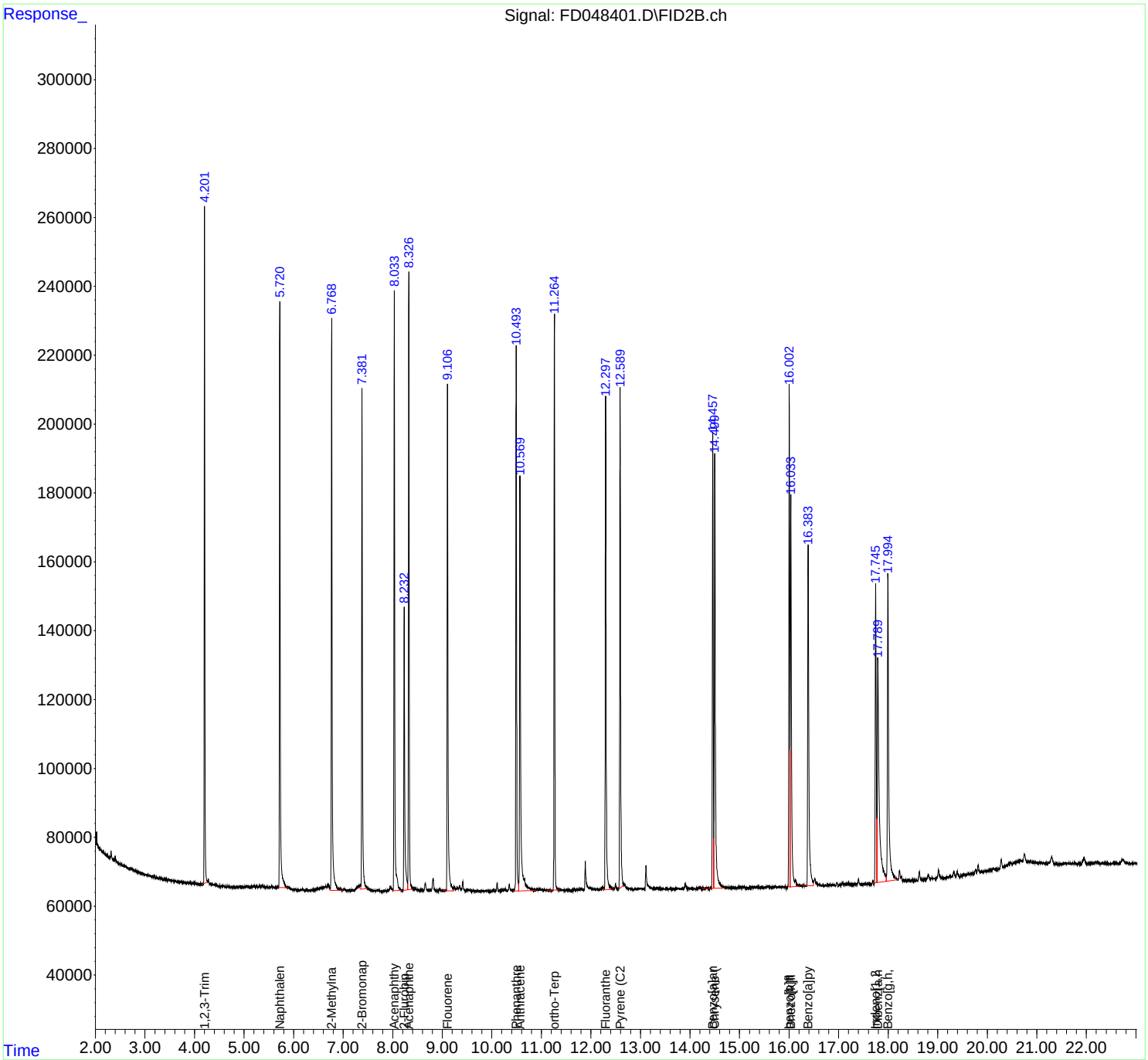
(f)=RT Delta > 1/2 Window (m)=manual int.

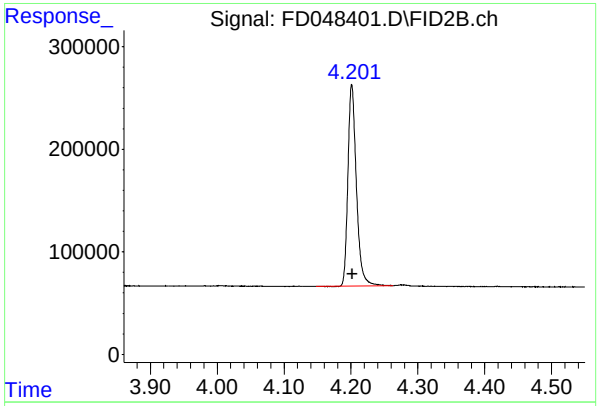
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048401.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 12:47
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Sep 30 13:23:11 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 13:23:03 2024
Response via : Initial Calibration
Integrator: ChemStation

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

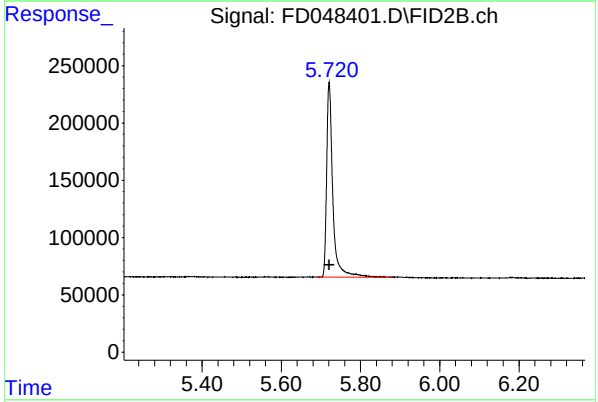




#1 1,2,3-Trimethylbenzene (C10.1)

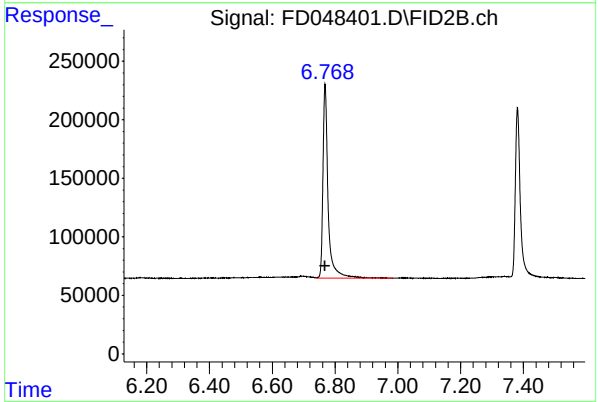
R.T.: 4.202 min
Delta R.T.: 0.000 min
Response: 1731147
Conc: 9.95 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



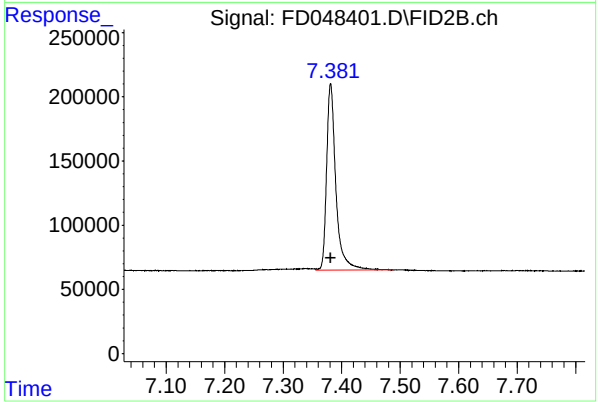
#2 Naphthalene (C11.7)

R.T.: 5.721 min
Delta R.T.: 0.000 min
Response: 1840574
Conc: 9.99 ug/ml



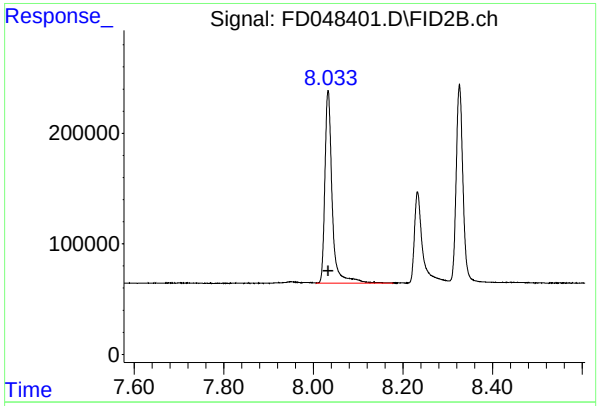
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.768 min
Delta R.T.: 0.000 min
Response: 1908614
Conc: 10.23 ug/ml



#4 2-Bromonaphthalene (SURR)

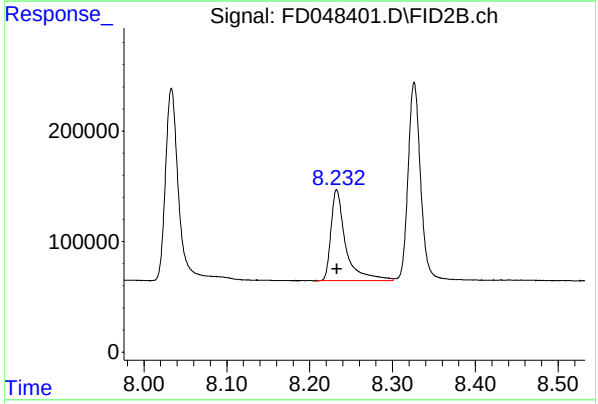
R.T.: 7.381 min
Delta R.T.: 0.000 min
Response: 1605451
Conc: 10.11 ug/ml



#5 Acenaphthylene (C15.06)

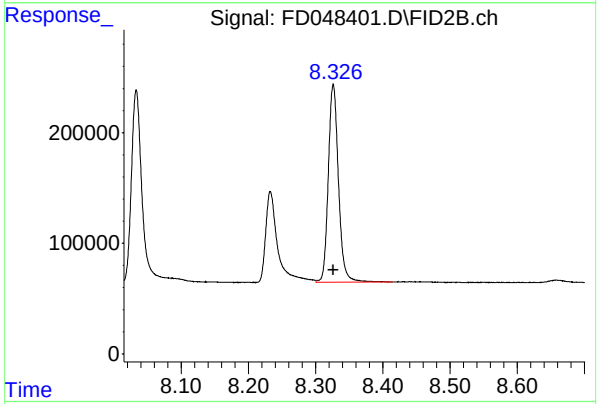
R.T.: 8.033 min
Delta R.T.: 0.000 min
Response: 1960832
Conc: 10.52 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



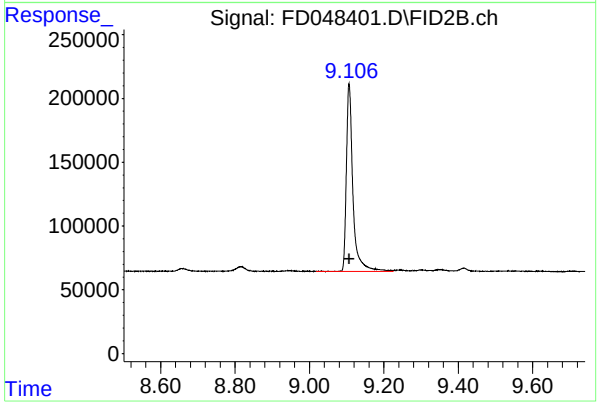
#6 2-Flurobiphenyl (SURR)

R.T.: 8.233 min
Delta R.T.: 0.000 min
Response: 1016463
Conc: 9.75 ug/ml



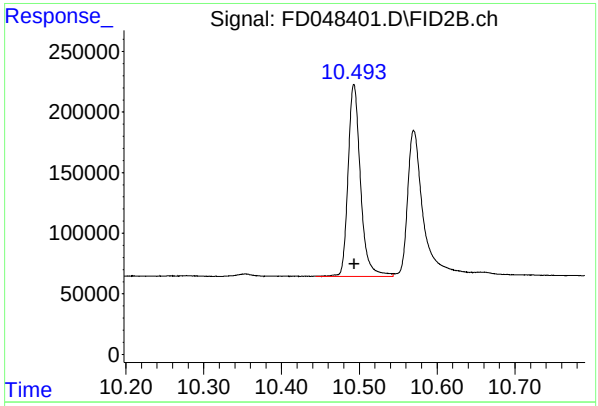
#7 Acenaphthene (C15.5)

R.T.: 8.326 min
Delta R.T.: 0.000 min
Response: 1881168
Conc: 10.19 ug/ml



#8 Flouorene (C16.55)

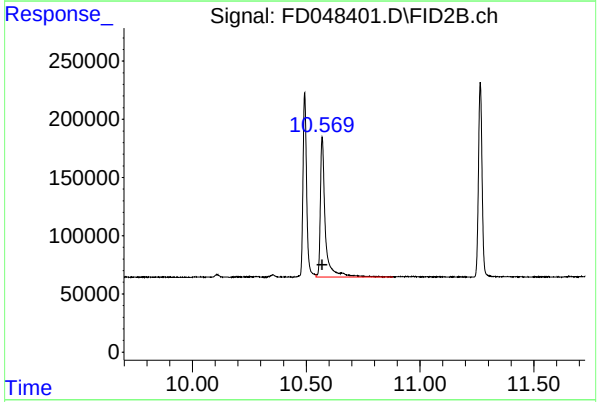
R.T.: 9.107 min
Delta R.T.: 0.000 min
Response: 1798234
Conc: 10.03 ug/ml



#9 Phenanthrene (C19.36)

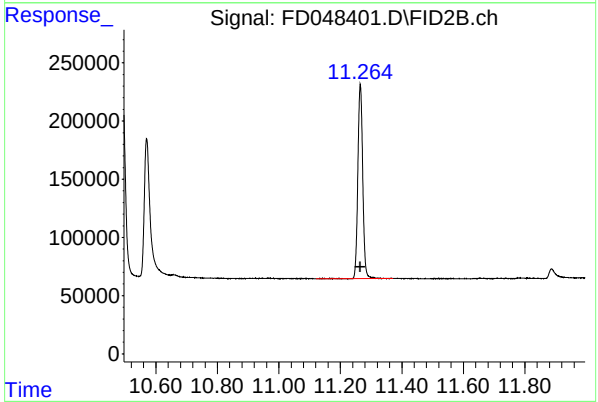
R.T.: 10.493 min
Delta R.T.: 0.000 min
Response: 1754425
Conc: 9.94 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



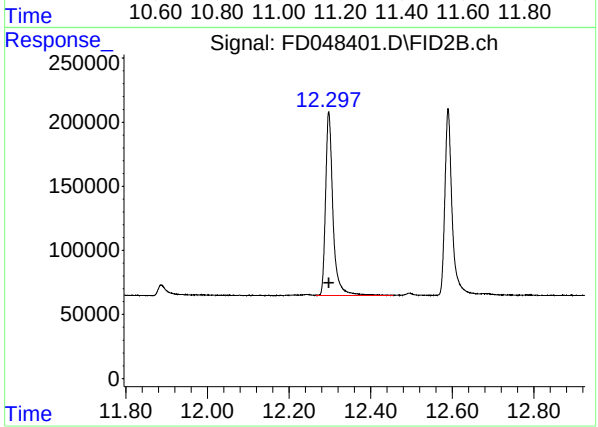
#10 Anthracene (C19.43)

R.T.: 10.570 min
Delta R.T.: 0.000 min
Response: 1840011
Conc: 10.45 ug/ml



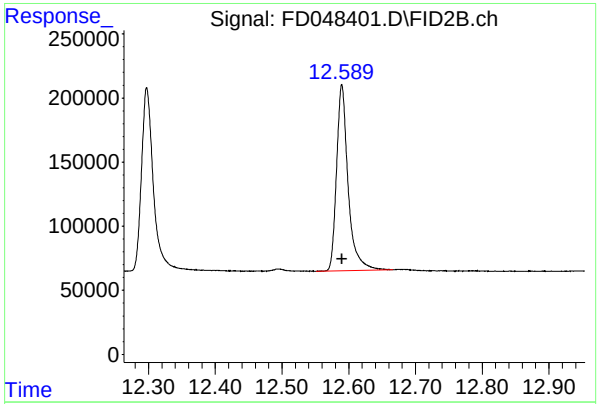
#11 ortho-Terphenyl (SURR)

R.T.: 11.265 min
Delta R.T.: 0.000 min
Response: 1833921
Conc: 10.16 ug/ml



#12 Fluoranthene (C21.85)

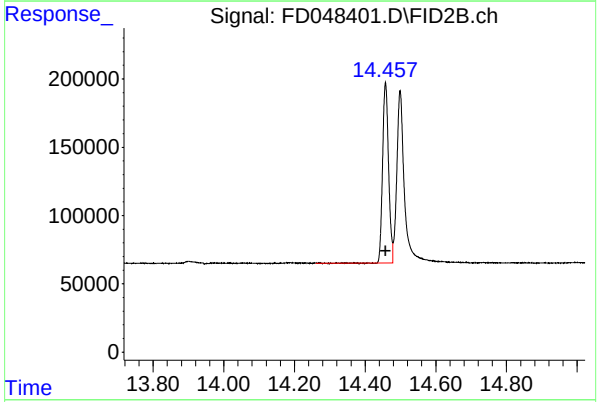
R.T.: 12.298 min
Delta R.T.: 0.000 min
Response: 1804434
Conc: 10.14 ug/ml



#13 Pyrene (C20.8)

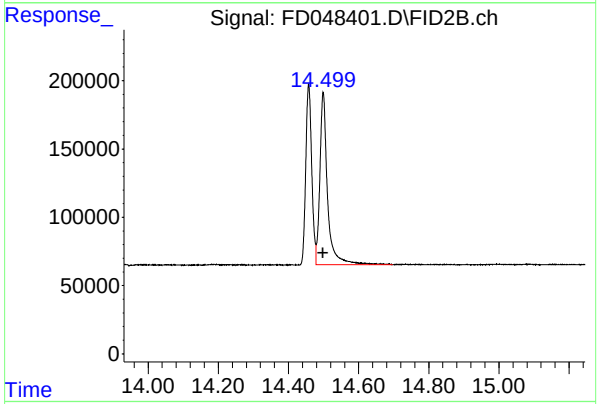
R.T.: 12.590 min
Delta R.T.: 0.000 min
Response: 1743379
Conc: 9.94 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



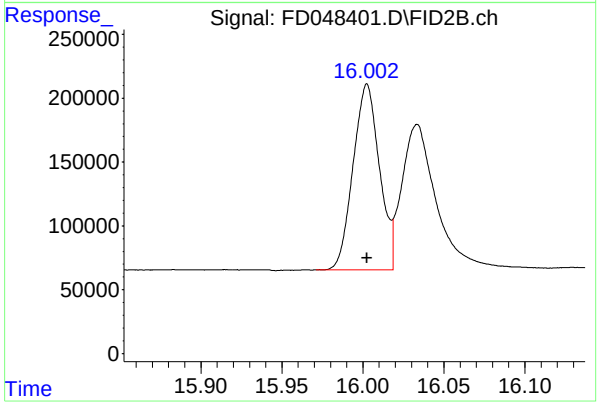
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.458 min
Delta R.T.: 0.000 min
Response: 1549123
Conc: 9.49 ug/ml



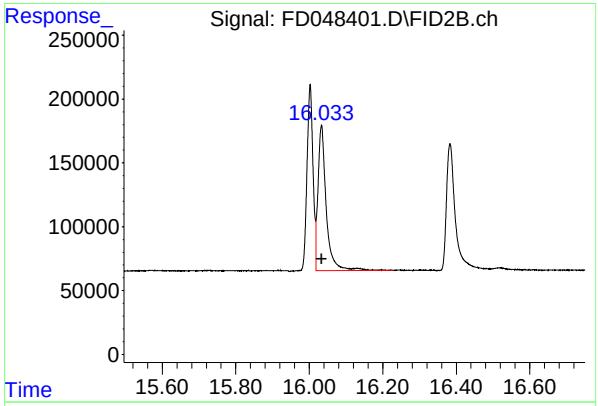
#15 Chrysene (C27.41)

R.T.: 14.499 min
Delta R.T.: 0.000 min
Response: 1921102
Conc: 10.71 ug/ml



#16 benzo[b]fluoranthene (C30.41)

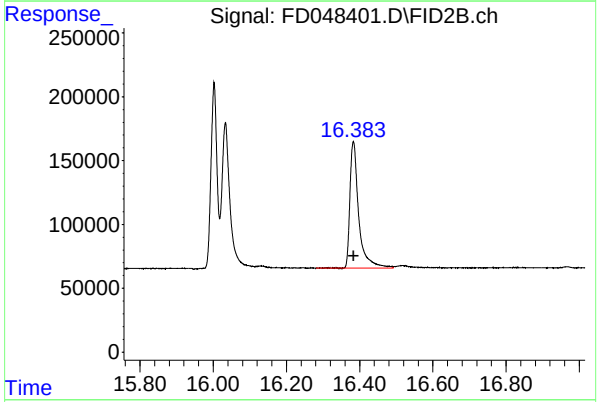
R.T.: 16.003 min
Delta R.T.: 0.000 min
Response: 1647278
Conc: 9.83 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

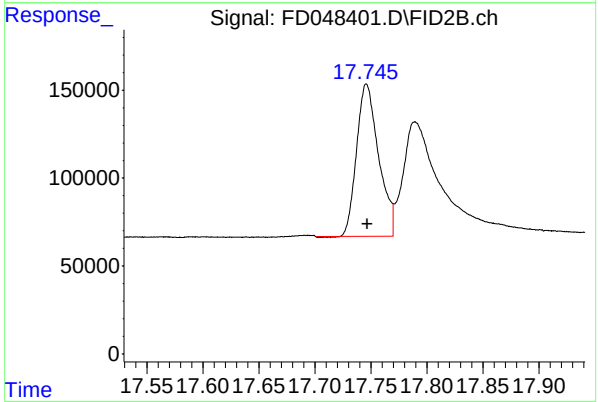
R.T.: 16.034 min
Delta R.T.: 0.000 min
Response: 1761068
Conc: 10.76 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



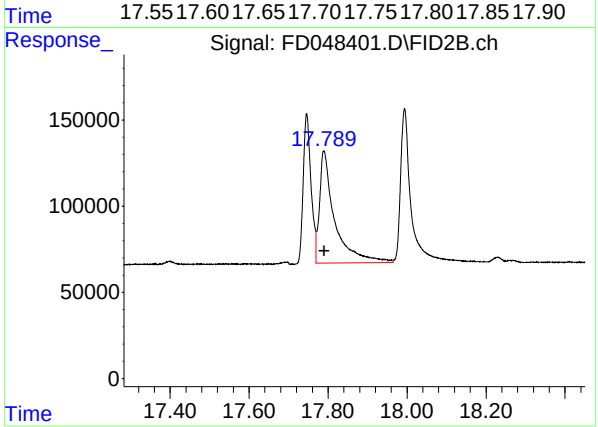
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.384 min
Delta R.T.: 0.000 min
Response: 1649795
Conc: 10.04 ug/ml



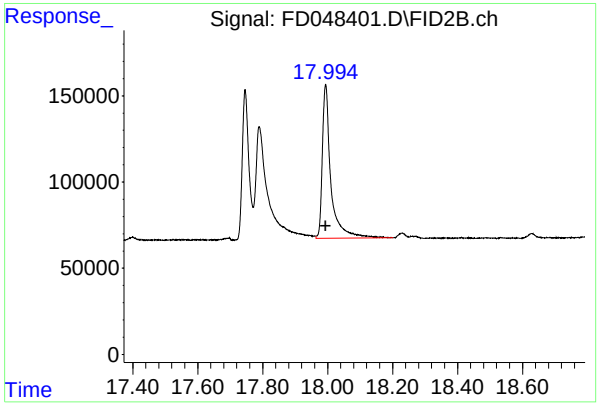
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.747 min
Delta R.T.: 0.000 min
Response: 1182778
Conc: 8.66 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.791 min
Delta R.T.: 0.000 min
Response: 1747599
Conc: 10.72 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.994 min
Delta R.T.: 0.000 mi
Response: 1634016
Conc: 10.24 ug/m

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

12

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048401.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 12:47
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.202	4.138	4.263	BV	195850	1727884	88.39%	4.846%
2	5.721	5.631	5.941	BB	169208	1881784	96.26%	5.278%
3	6.768	6.740	6.918	VB	165020	1866265	95.46%	5.234%
4	7.381	7.356	7.488	VV	144807	1606006	82.15%	4.504%
5	8.033	8.011	8.178	BB	173492	1954924	100.00%	5.483%
6	8.233	8.191	8.301	BV	81005	1014853	51.91%	2.846%
7	8.326	8.301	8.414	VB	178121	1880303	96.18%	5.274%
8	9.107	9.034	9.224	BV	145407	1763617	90.21%	4.947%
9	10.493	10.404	10.543	BV	157368	1740277	89.02%	4.881%
10	10.570	10.543	10.764	VB	119507	1763147	90.19%	4.945%
11	11.265	11.188	11.371	BB	166999	1838895	94.06%	5.158%
12	12.298	12.268	12.454	VB	142765	1797355	91.94%	5.041%
13	12.590	12.531	12.731	BB	144505	1794544	91.80%	5.033%
14	14.458	14.381	14.479	BV	131788	1551742	79.38%	4.352%
15	14.499	14.479	14.698	VB	126126	1922381	98.34%	5.392%
16	16.003	15.971	16.019	BV	143982	1646846	84.24%	4.619%
17	16.034	16.019	16.188	VB	113857	1748508	89.44%	4.904%
18	16.384	16.301	16.491	BV	97799	1590023	81.33%	4.460%
19	17.747	17.701	17.770	BV	85150	1182778	60.50%	3.317%
20	17.791	17.770	17.964	VV	64132	1747599	89.39%	4.902%
21	17.994	17.964	18.201	VBA	88993	1634016	83.58%	4.583%

Sum of corrected areas: 35653748

Aromatic EPH 093024.M Tue Oct 01 01:49:52 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048402.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 13:35
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Sep 30 14:16:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:16:33 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...	7.384	962842	5.815 ug/ml
Spiked Amount	50.000		Recovery =	11.63%
6) S	2-Flurobiphenyl (SURR)	8.239	508479	4.903 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	9.81%
11) S	ortho-Terphenyl (SURR)	11.266	990050	5.381 ug/ml
Spiked Amount	50.000		Recovery =	10.76%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.204	900690	5.139 ug/ml
2) T	Naphthalene (C11.7)	5.725	984293	5.272 ug/ml
3) T	2-Methylnaphthalene (...	6.772	993261	5.256 ug/ml
5) T	Acenaphthylene (C15.06)	8.035	1069085	5.573 ug/ml
7) T	Acenaphthene (C15.5)	8.328	1037231	5.483 ug/ml
8) T	Flouorene (C16.55)	9.111	932385	5.161 ug/ml
9) T	Phenanthrene (C19.36)	10.497	899656	5.076 ug/ml
10) T	Anthracene (C19.43)	10.575	925856	5.203 ug/ml
12) T	Fluoranthene (C21.85)	12.301	963834	5.329 ug/ml
13) T	Pyrene (C20.8)	12.593	968145	5.407 ug/ml
14) T	Benzo[a]anthracene (C...	14.464	729221	4.563 ug/ml
15) T	Chrysene (C27.41)	14.502	1076419	5.771 ug/ml
16) T	benzo[b]fluoranthene ...	16.008	811870	4.875 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.040	969266	5.710 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.393	799268	4.890 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.760	556571	4.231 ug/ml
20) T	Dibenz[a,h]anthracene...	17.806	921954	5.510 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.001	868643	5.348 ug/ml

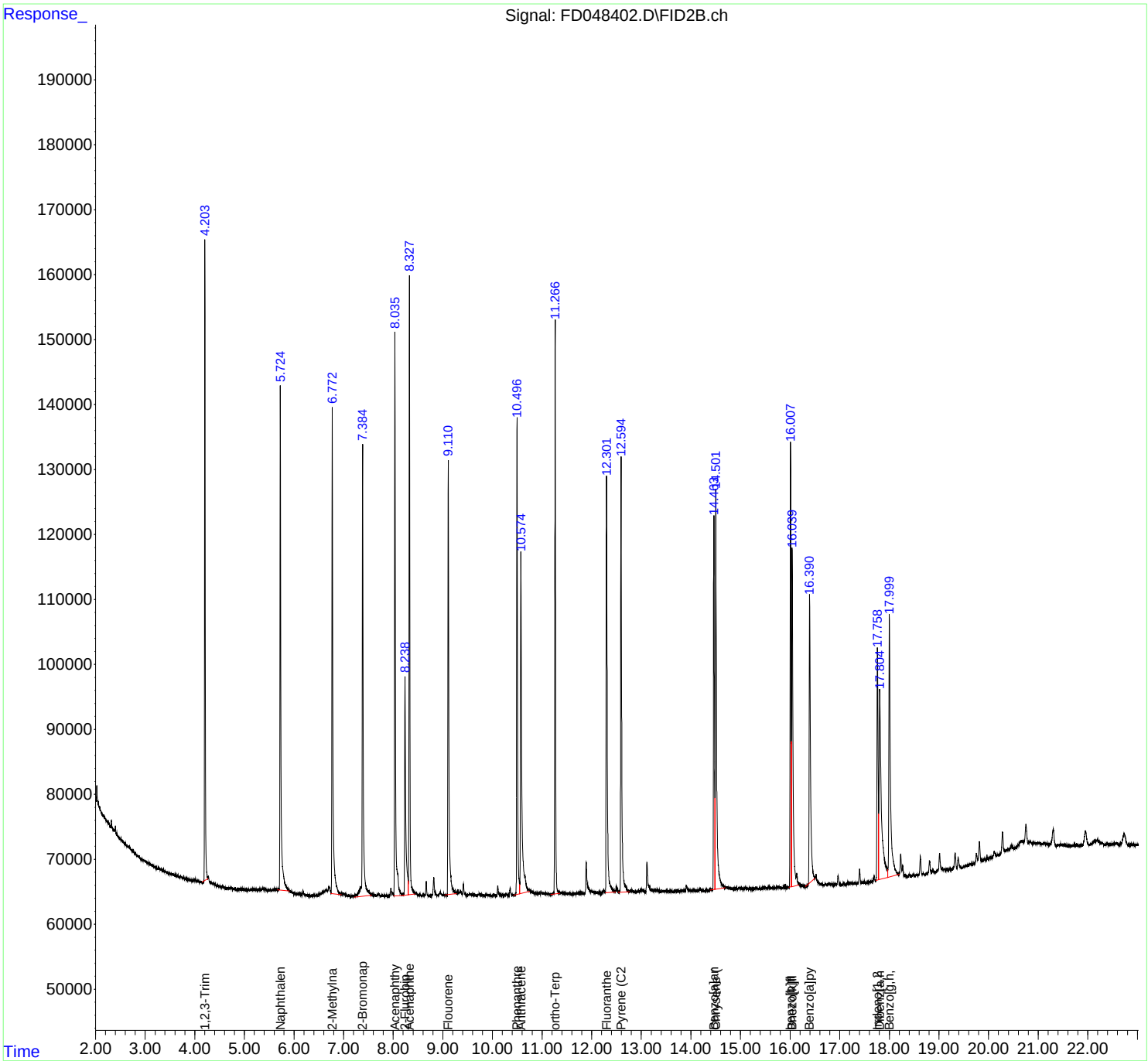
(f)=RT Delta > 1/2 Window (m)=manual int.

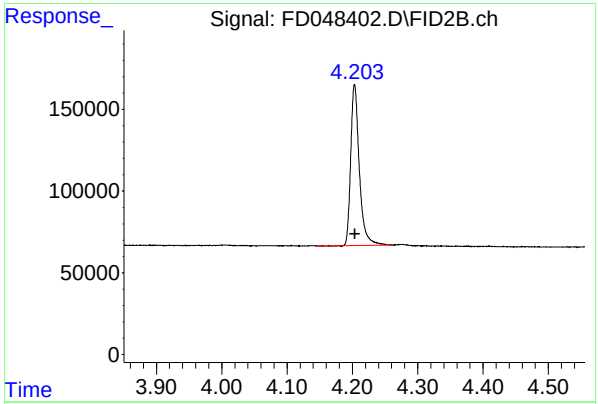
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048402.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 13:35
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Sep 30 14:16:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:16:33 2024
Response via : Initial Calibration
Integrator: ChemStation

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

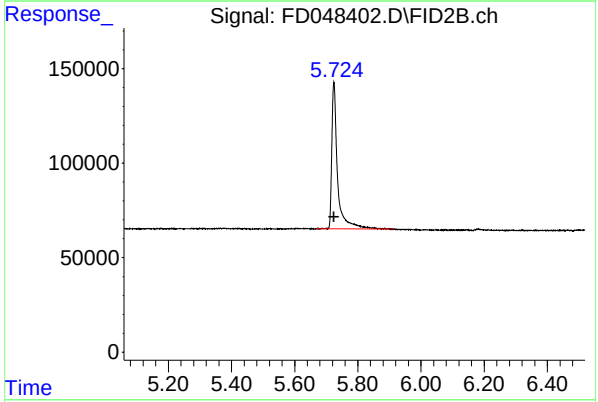




#1 1,2,3-Trimethylbenzene (C10.1)

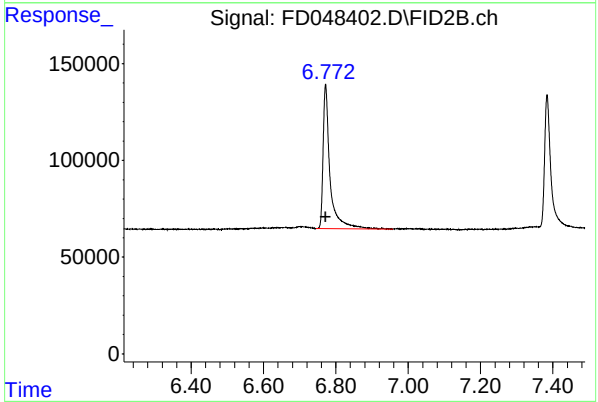
R.T.: 4.204 min
Delta R.T.: 0.000 min
Response: 900690
Conc: 5.14 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



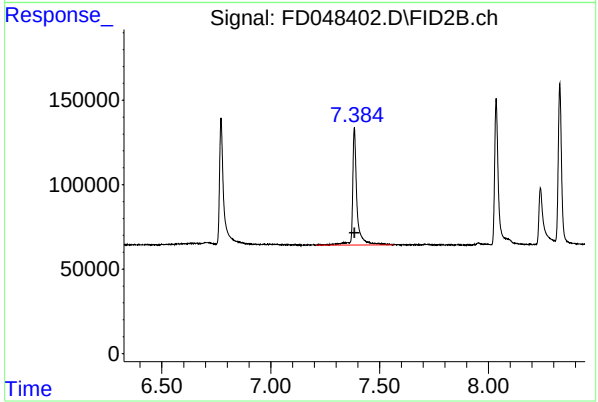
#2 Naphthalene (C11.7)

R.T.: 5.725 min
Delta R.T.: 0.000 min
Response: 984293
Conc: 5.27 ug/ml



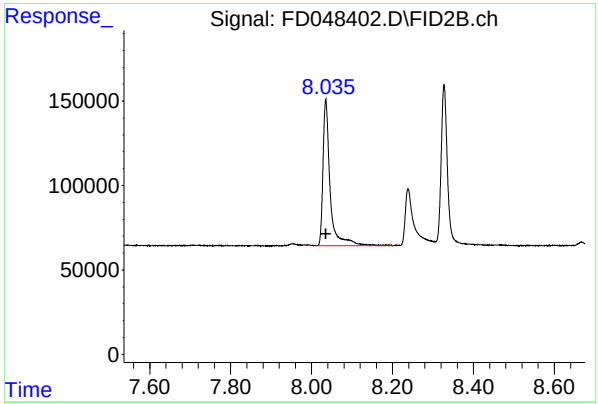
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.772 min
Delta R.T.: 0.000 min
Response: 993261
Conc: 5.26 ug/ml



#4 2-Bromonaphthalene (SURR)

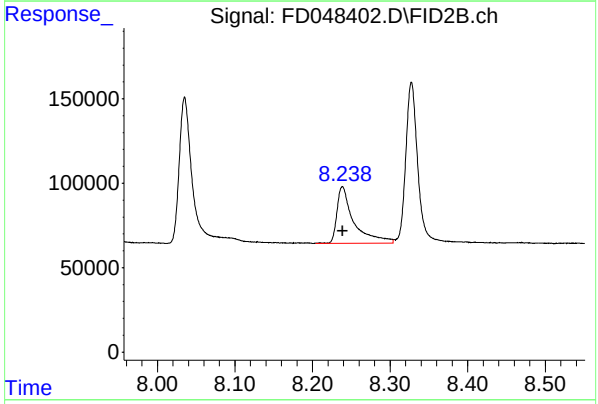
R.T.: 7.384 min
Delta R.T.: 0.000 min
Response: 962842
Conc: 5.82 ug/ml



#5 Acenaphthylene (C15.06)

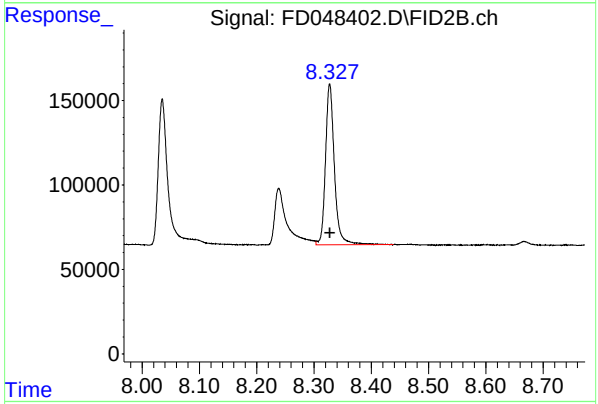
R.T.: 8.035 min
Delta R.T.: 0.000 min
Response: 1069085
Conc: 5.57 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



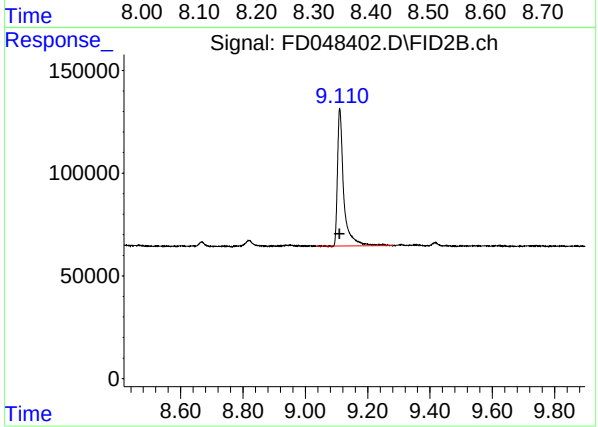
#6 2-Flurobiphenyl (SURR)

R.T.: 8.239 min
Delta R.T.: 0.000 min
Response: 508479
Conc: 4.90 ug/ml



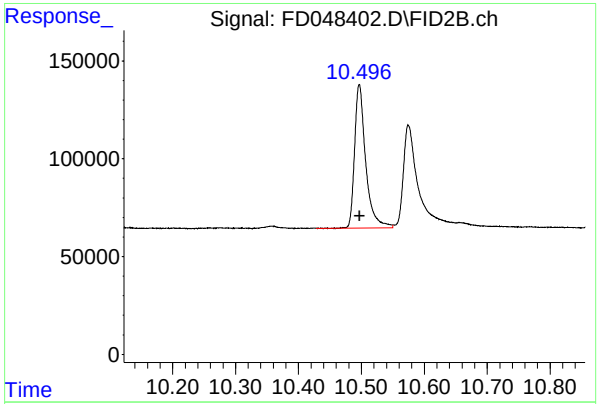
#7 Acenaphthene (C15.5)

R.T.: 8.328 min
Delta R.T.: 0.000 min
Response: 1037231
Conc: 5.48 ug/ml



#8 Flouorene (C16.55)

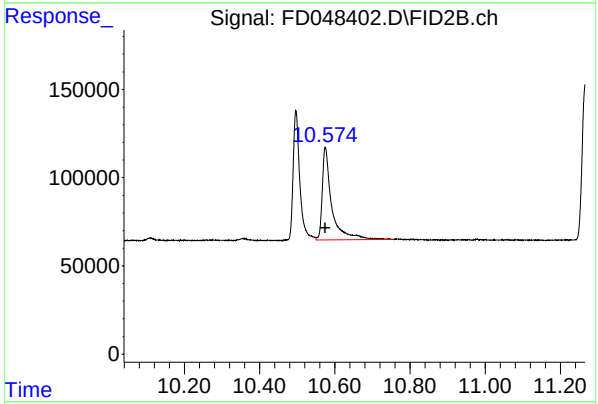
R.T.: 9.111 min
Delta R.T.: 0.000 min
Response: 932385
Conc: 5.16 ug/ml



#9 Phenanthrene (C19.36)

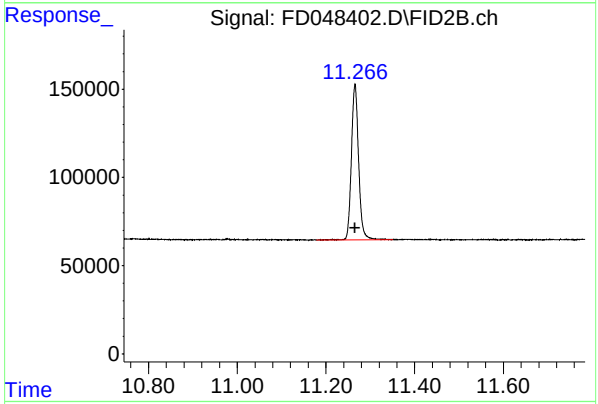
R.T.: 10.497 min
Delta R.T.: 0.000 min
Response: 899656
Conc: 5.08 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



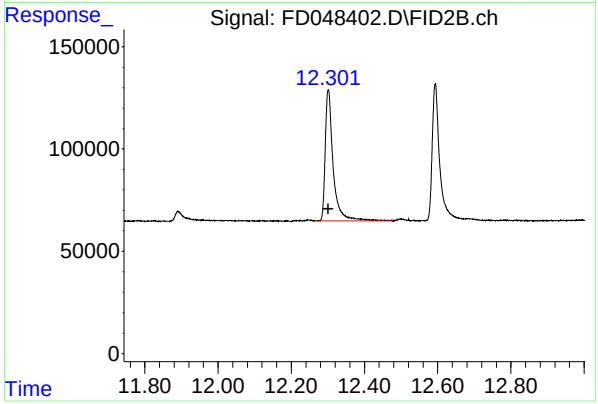
#10 Anthracene (C19.43)

R.T.: 10.575 min
Delta R.T.: 0.000 min
Response: 925856
Conc: 5.20 ug/ml



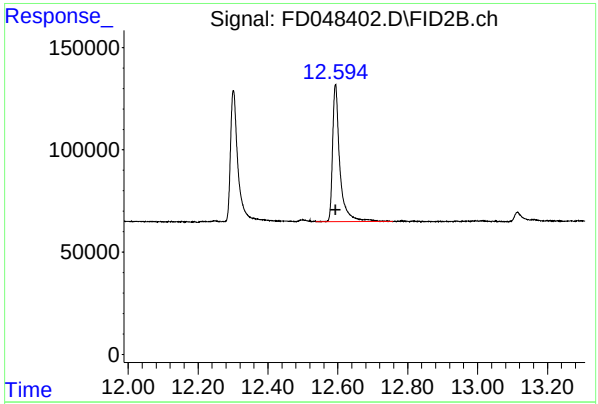
#11 ortho-Terphenyl (SURR)

R.T.: 11.266 min
Delta R.T.: 0.000 min
Response: 990050
Conc: 5.38 ug/ml



#12 Fluoranthene (C21.85)

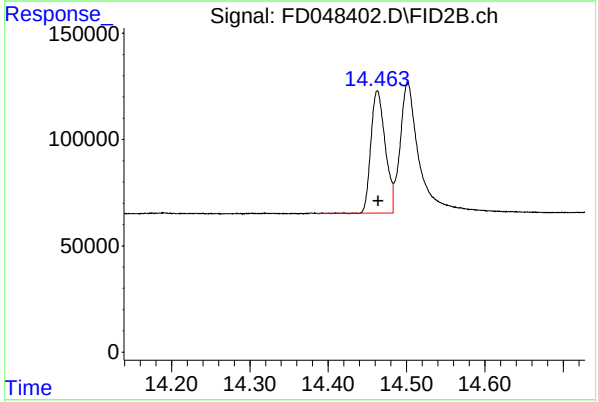
R.T.: 12.301 min
Delta R.T.: 0.000 min
Response: 963834
Conc: 5.33 ug/ml



#13 Pyrene (C20.8)

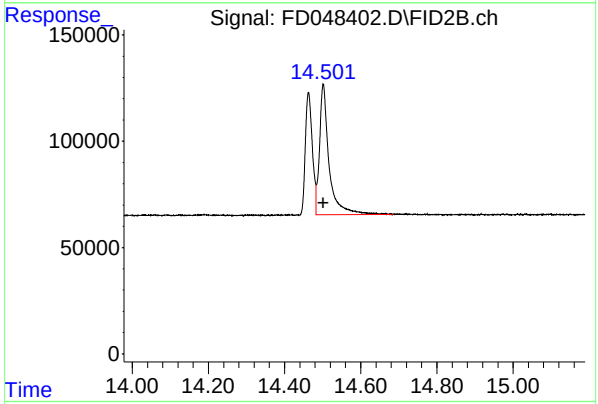
R.T.: 12.593 min
Delta R.T.: 0.000 min
Response: 968145
Conc: 5.41 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



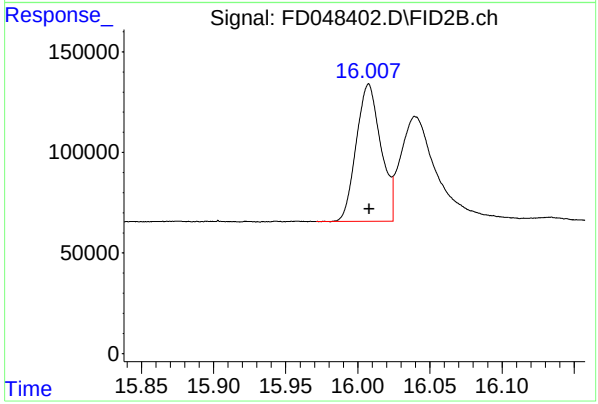
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.464 min
Delta R.T.: 0.000 min
Response: 729221
Conc: 4.56 ug/ml



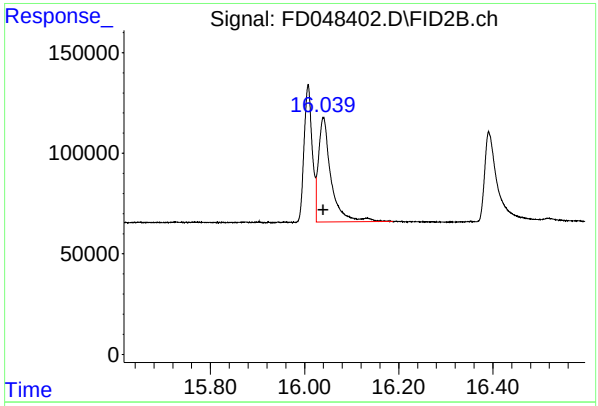
#15 Chrysene (C27.41)

R.T.: 14.502 min
Delta R.T.: 0.000 min
Response: 1076419
Conc: 5.77 ug/ml



#16 benzo[b]fluoranthene (C30.41)

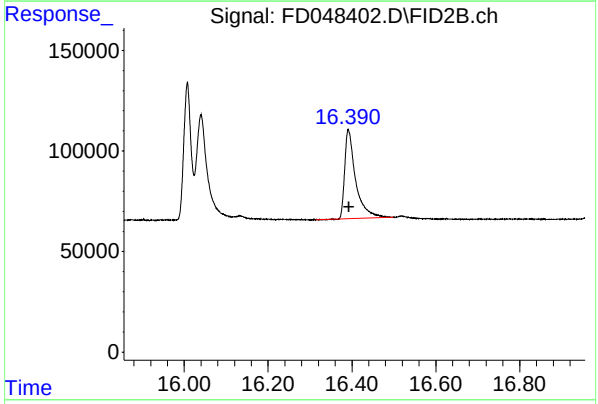
R.T.: 16.008 min
Delta R.T.: 0.000 min
Response: 811870
Conc: 4.87 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

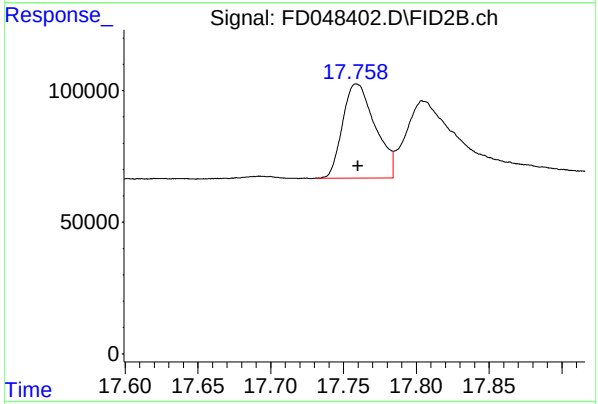
R.T.: 16.040 min
Delta R.T.: 0.000 min
Response: 969266
Conc: 5.71 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



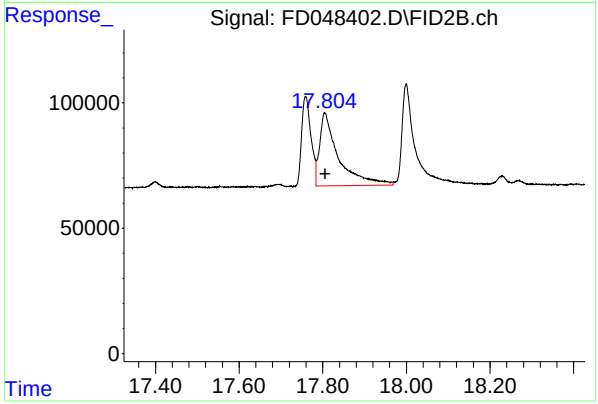
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.393 min
Delta R.T.: 0.000 min
Response: 799268
Conc: 4.89 ug/ml



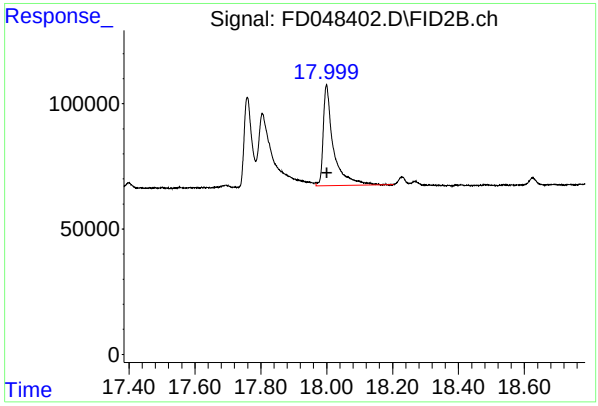
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.760 min
Delta R.T.: 0.000 min
Response: 556571
Conc: 4.23 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.806 min
Delta R.T.: 0.000 min
Response: 921954
Conc: 5.51 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.001 min
Delta R.T.: 0.000 mi
Response: 868643
Conc: 5.35 ug/m

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

12

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048402.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 13:35
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.204	4.144	4.262	BV	97231	900690	83.67%	4.797%
2	5.725	5.668	5.911	BB	77378	984293	91.44%	5.242%
3	6.772	6.745	6.958	PB	74354	993261	92.27%	5.290%
4	7.384	7.208	7.561	PB	69110	962842	89.45%	5.128%
5	8.035	8.011	8.201	VB	86238	1069085	99.32%	5.693%
6	8.239	8.204	8.304	BV	33580	508479	47.24%	2.708%
7	8.328	8.304	8.438	VB	95153	1037231	96.36%	5.524%
8	9.111	9.034	9.281	BB	66500	932385	86.62%	4.965%
9	10.497	10.428	10.550	BV	72885	899656	83.58%	4.791%
10	10.575	10.550	10.754	VB	52531	925856	86.01%	4.931%
11	11.266	11.178	11.351	BB	87312	990050	91.98%	5.273%
12	12.301	12.268	12.478	VV	64148	963834	89.54%	5.133%
13	12.593	12.538	12.758	BB	67056	968145	89.94%	5.156%
14	14.464	14.384	14.483	BV	56526	729221	67.75%	3.884%
15	14.502	14.483	14.684	VB	61254	1076419	100.00%	5.733%
16	16.008	15.971	16.024	BV	67889	811870	75.42%	4.324%
17	16.040	16.024	16.188	VB	51872	969266	90.05%	5.162%
18	16.393	16.314	16.498	BV	42523	799268	74.25%	4.257%
19	17.760	17.701	17.784	BV	34912	529921	49.23%	2.822%
20	17.806	17.784	17.968	VV	28206	877691	81.54%	4.674%
21	18.001	17.968	18.201	VBA	39468	847929	78.77%	4.516%
			Sum of corrected areas:			18777392		

Aromatic EPH 093024.M Tue Oct 01 01:50:24 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048403.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 14:29
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Sep 30 17:02:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 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...	7.381	3368404	20.345 ug/ml
Spiked Amount	50.000		Recovery =	40.69%
6) S	2-Flurobiphenyl (SURR)	8.232	2141410	20.649 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	41.30%
11) S	ortho-Terphenyl (SURR)	11.266	3698580	20.101 ug/ml
Spiked Amount	50.000		Recovery =	40.20%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.201	3521081	20.091 ug/ml
2) T	Naphthalene (C11.7)	5.720	3788301	20.289 ug/ml
3) T	2-Methylnaphthalene (...	6.767	3802093	20.118 ug/ml
5) T	Acenaphthylene (C15.06)	8.033	3842612	20.030 ug/ml
7) T	Acenaphthene (C15.5)	8.328	3785313	20.012 ug/ml
8) T	Flouorene (C16.55)	9.106	3658929	20.252 ug/ml
9) T	Phenanthrene (C19.36)	10.493	3597204	20.297 ug/ml
10) T	Anthracene (C19.43)	10.569	3532678	19.853 ug/ml
12) T	Fluoranthene (C21.85)	12.298	3625812	20.046 ug/ml
13) T	Pyrene (C20.8)	12.590	3567943	19.925 ug/ml
14) T	Benzo[a]anthracene (C...	14.459	3346833	20.942 ug/ml
15) T	Chrysene (C27.41)	14.500	3657712	19.610 ug/ml
16) T	benzo[b]fluoranthene ...	16.006	3457542	20.761 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.036	3379645	19.910 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.381	3303676	20.213 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.744	2730501	20.758 ug/ml
20) T	Dibenz[a,h]anthracene...	17.785	3415613	20.412 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.994	3278515	20.185 ug/ml

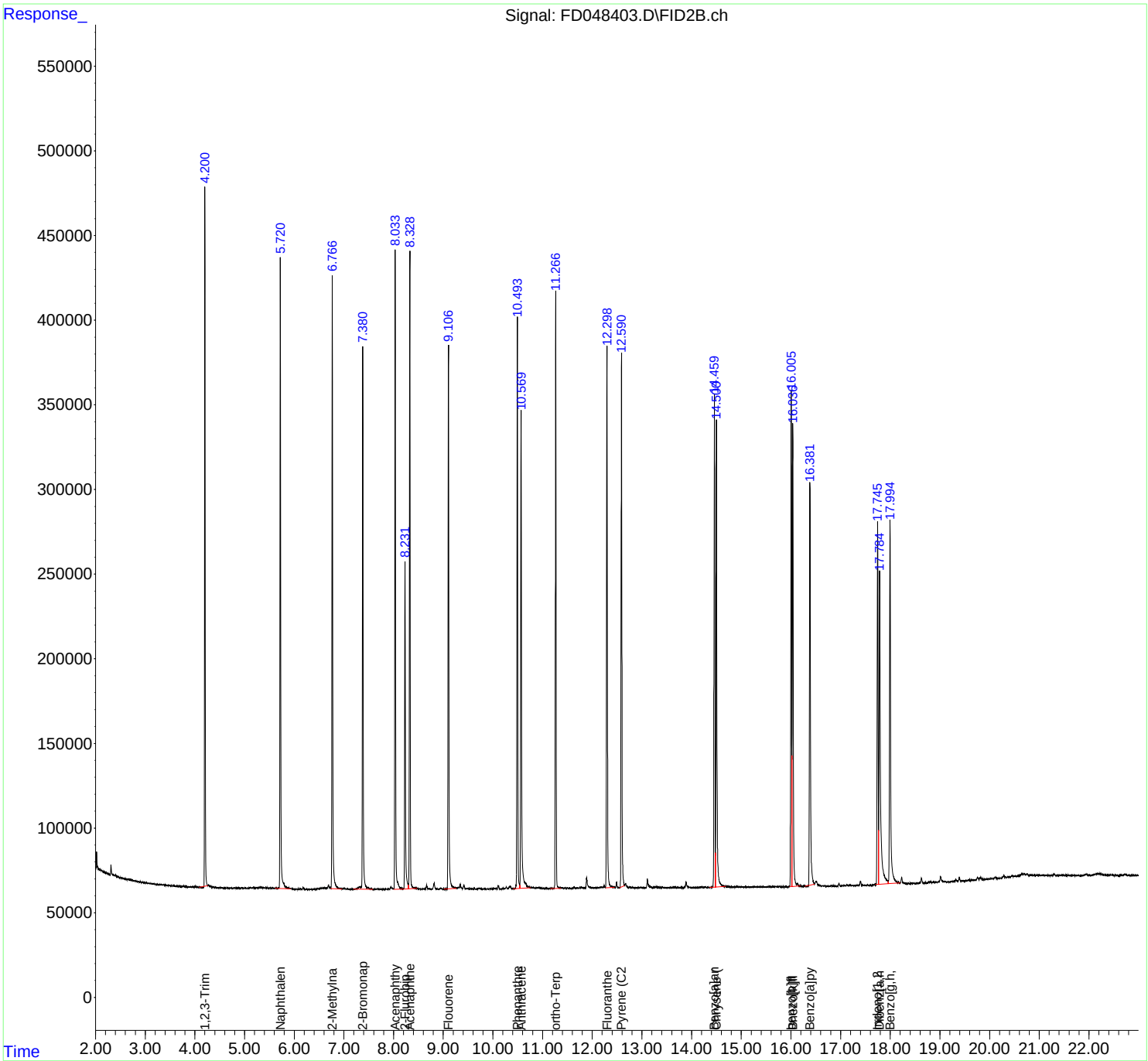
(f)=RT Delta > 1/2 Window (m)=manual int.

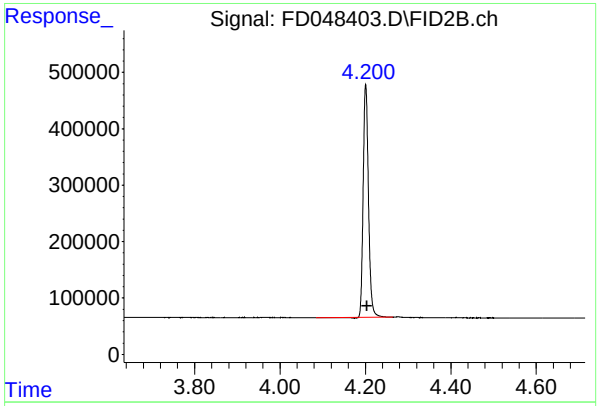
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048403.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 14:29
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Sep 30 17:02:16 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

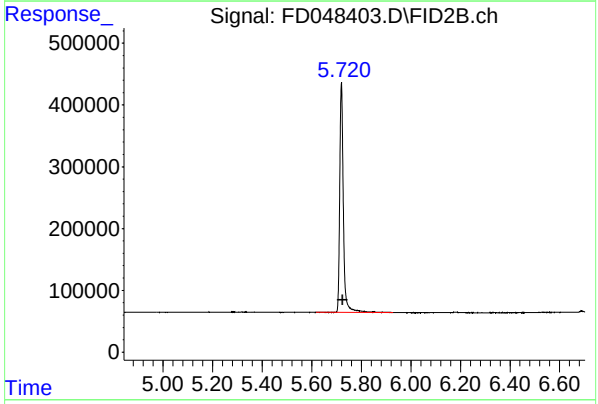




#1 1,2,3-Trimethylbenzene (C10.1)

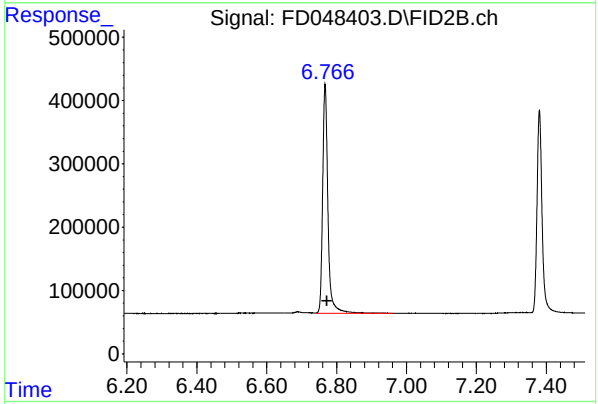
R.T.: 4.201 min
Delta R.T.: -0.003 min
Response: 3521081
Conc: 20.09 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



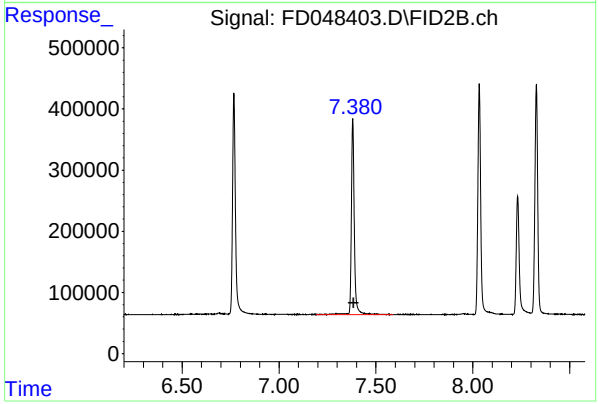
#2 Naphthalene (C11.7)

R.T.: 5.720 min
Delta R.T.: -0.004 min
Response: 3788301
Conc: 20.29 ug/ml



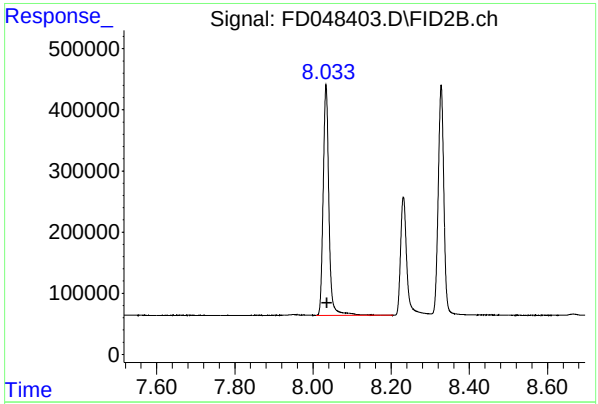
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.767 min
Delta R.T.: -0.005 min
Response: 3802093
Conc: 20.12 ug/ml



#4 2-Bromonaphthalene (SURR)

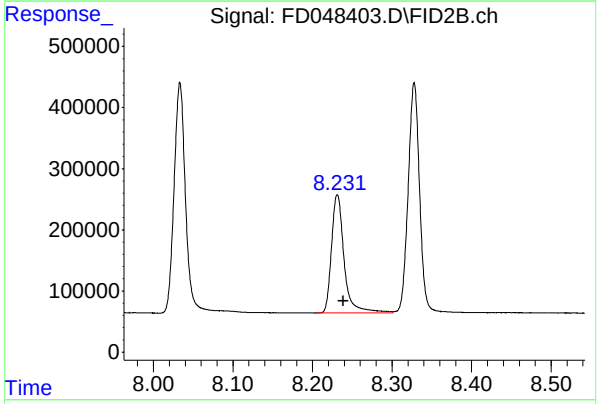
R.T.: 7.381 min
Delta R.T.: -0.004 min
Response: 3368404
Conc: 20.34 ug/ml



#5 Acenaphthylene (C15.06)

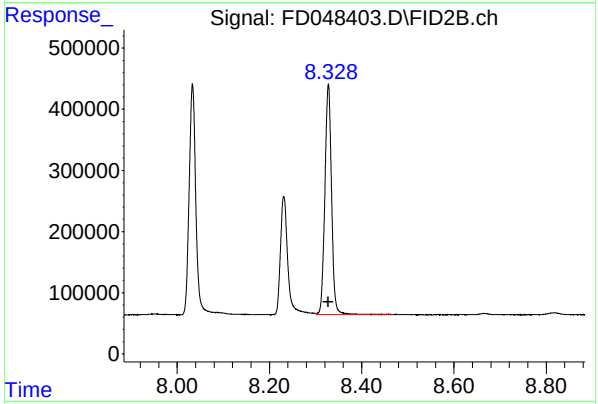
R.T.: 8.033 min
Delta R.T.: -0.002 min
Response: 3842612
Conc: 20.03 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



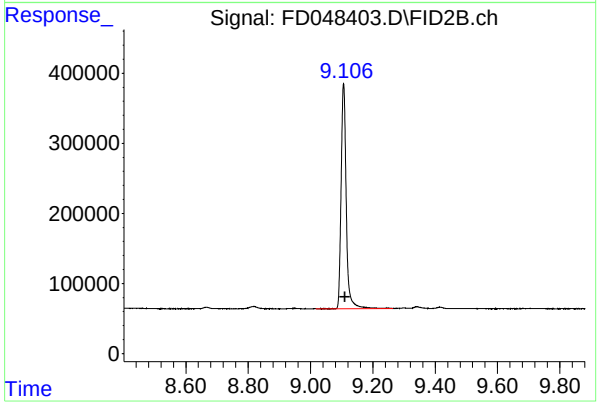
#6 2-Flurobiphenyl (SURR)

R.T.: 8.232 min
Delta R.T.: -0.007 min
Response: 2141410
Conc: 20.65 ug/ml



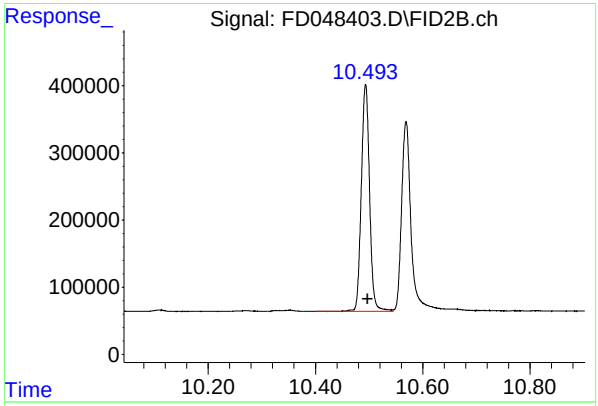
#7 Acenaphthene (C15.5)

R.T.: 8.328 min
Delta R.T.: 0.000 min
Response: 3785313
Conc: 20.01 ug/ml



#8 Flouorene (C16.55)

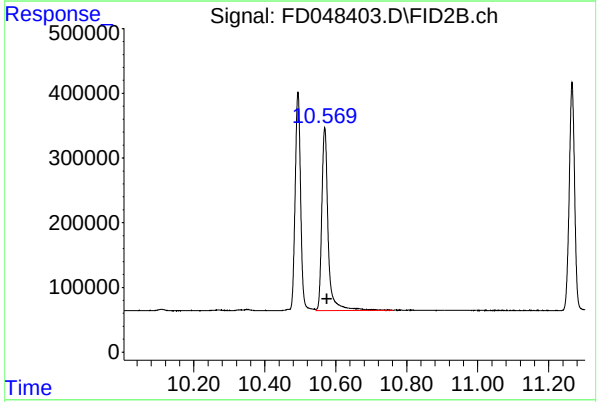
R.T.: 9.106 min
Delta R.T.: -0.005 min
Response: 3658929
Conc: 20.25 ug/ml



#9 Phenanthrene (C19.36)

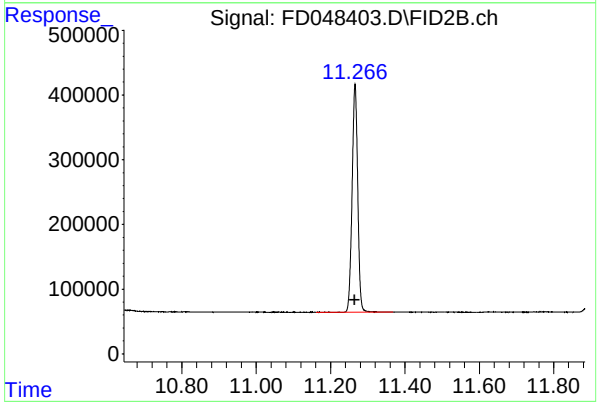
R.T.: 10.493 min
Delta R.T.: -0.004 min
Response: 3597204
Conc: 20.30 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



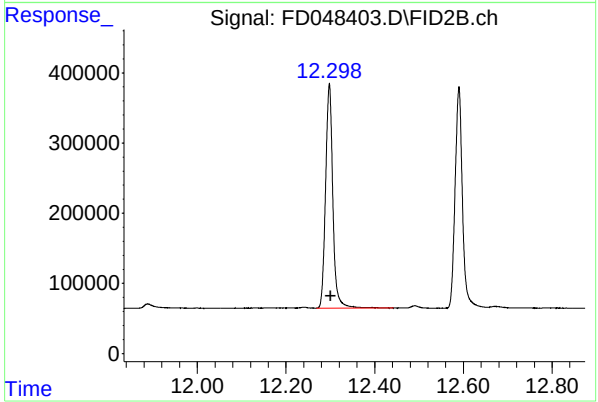
#10 Anthracene (C19.43)

R.T.: 10.569 min
Delta R.T.: -0.006 min
Response: 3532678
Conc: 19.85 ug/ml



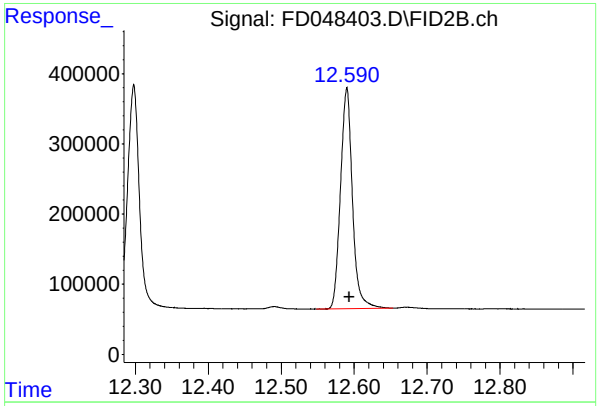
#11 ortho-Terphenyl (SURR)

R.T.: 11.266 min
Delta R.T.: 0.000 min
Response: 3698580
Conc: 20.10 ug/ml



#12 Fluoranthene (C21.85)

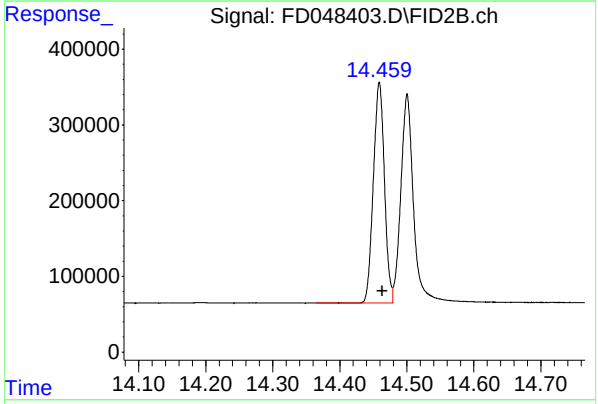
R.T.: 12.298 min
Delta R.T.: -0.004 min
Response: 3625812
Conc: 20.05 ug/ml



#13 Pyrene (C20.8)

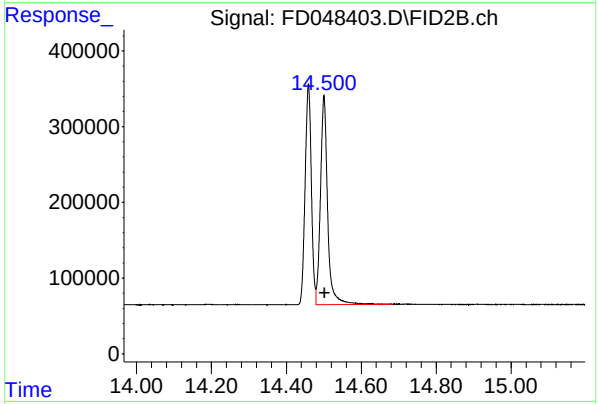
R.T.: 12.590 min
Delta R.T.: -0.004 min
Response: 3567943
Conc: 19.93 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



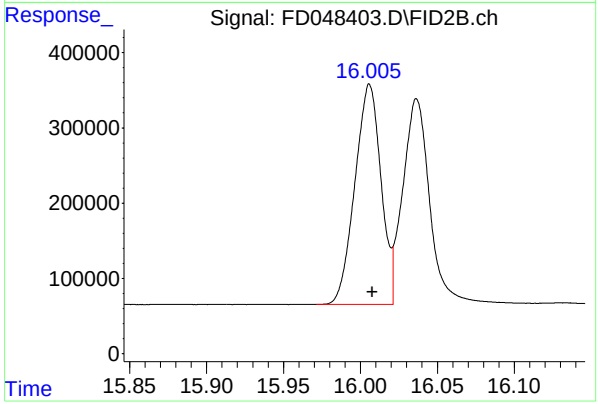
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.459 min
Delta R.T.: -0.005 min
Response: 3346833
Conc: 20.94 ug/ml



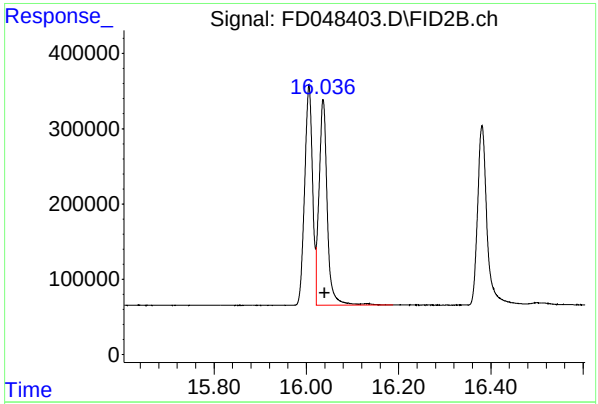
#15 Chrysene (C27.41)

R.T.: 14.500 min
Delta R.T.: -0.002 min
Response: 3657712
Conc: 19.61 ug/ml



#16 benzo[b]fluoranthene (C30.41)

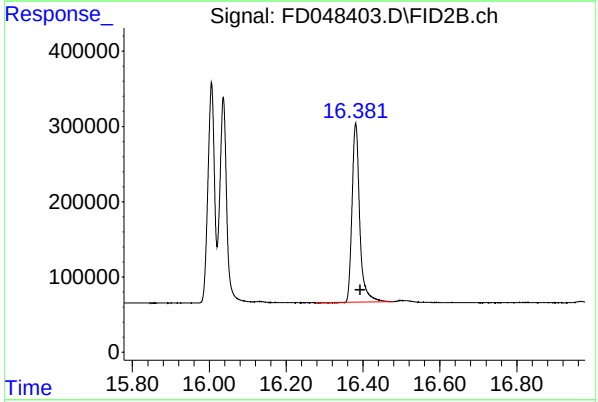
R.T.: 16.006 min
Delta R.T.: -0.002 min
Response: 3457542
Conc: 20.76 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

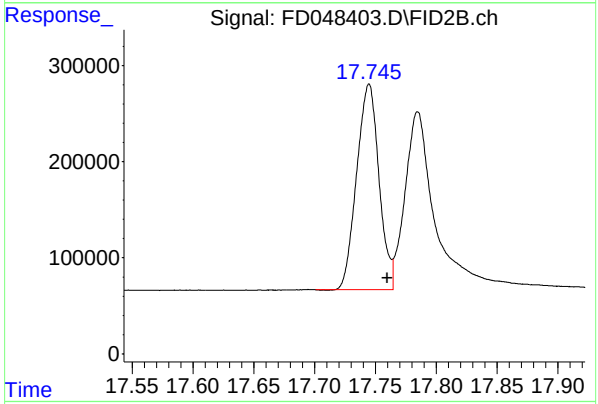
R.T.: 16.036 min
Delta R.T.: -0.004 min
Response: 3379645
Conc: 19.91 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



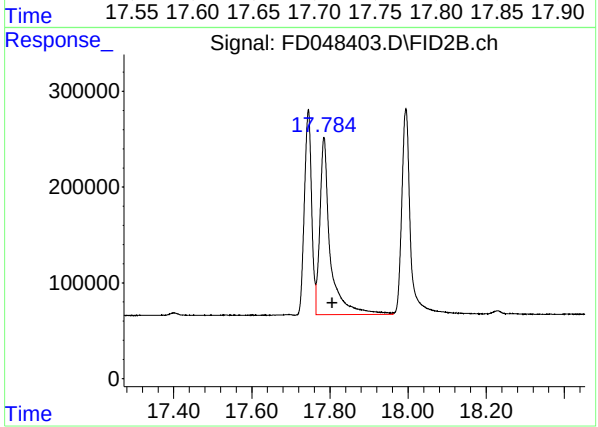
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: -0.012 min
Response: 3303676
Conc: 20.21 ug/ml



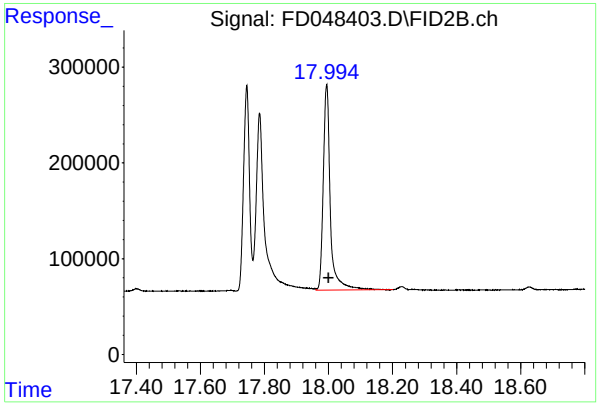
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.744 min
Delta R.T.: -0.016 min
Response: 2730501
Conc: 20.76 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.785 min
Delta R.T.: -0.022 min
Response: 3415613
Conc: 20.41 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.994 min
Delta R.T.: -0.007 mi
Response: 3278515
Conc: 20.18 ug/m

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

12

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD093024AR\
Data File : FD048403.D
Signal(s) : FID2B.ch
Acq On : 30 Sep 2024 14:29
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.201	4.085	4.265	BV	411728	3521081	91.63%	4.857%
2	5.720	5.618	5.928	BB	370028	3788301	98.59%	5.225%
3	6.767	6.741	6.961	VB	359837	3802093	98.95%	5.244%
4	7.381	7.191	7.588	BB	318926	3368404	87.66%	4.646%
5	8.033	8.008	8.205	PV	376973	3842612	100.00%	5.300%
6	8.232	8.205	8.301	PV	192929	2141410	55.73%	2.954%
7	8.328	8.301	8.468	VB	377334	3785313	98.51%	5.221%
8	9.106	9.018	9.265	BB	320863	3658929	95.22%	5.047%
9	10.493	10.401	10.545	BV	339349	3597204	93.61%	4.962%
10	10.569	10.545	10.761	VB	281554	3532678	91.93%	4.873%
11	11.266	11.161	11.368	BB	349437	3698580	96.25%	5.101%
12	12.298	12.268	12.441	PB	319741	3625812	94.36%	5.001%
13	12.590	12.548	12.653	PV	318445	3567943	92.85%	4.921%
14	14.459	14.365	14.479	BV	290579	3346833	87.10%	4.616%
15	14.500	14.479	14.685	VB	276082	3657712	95.19%	5.045%
16	16.006	15.971	16.021	BV	290942	3457542	89.98%	4.769%
17	16.036	16.021	16.188	VB	275149	3379645	87.95%	4.662%
18	16.381	16.278	16.478	BV	237513	3303676	85.97%	4.557%
19	17.744	17.701	17.764	BV	214980	2730501	71.06%	3.766%
20	17.785	17.764	17.961	VV	185327	3415613	88.89%	4.711%
21	17.994	17.961	18.201	VBA	215211	3278515	85.32%	4.522%
			Sum of corrected areas:			72500396		

Aromatic EPH 093024.M Tue Oct 01 01:51:11 2024

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

Inital Calibration Report for SequenceID : FD102324AR

AreaCount

Parameter Range	FD048568.D	FD048569.D	FD048570.D	FD048571.D	FD048572.D	
Aromatic C10-C12	34560081.000	17413124.000	7062069.000	3602660.000	1773971.000	
Aromatic C12-C16	51756513.000	26214353.000	10660566.000	5474983.000	2683618.000	
Aromatic C16-C21	64464447.000	32614919.000	13171585.000	6675037.000	3268126.000	
Aromatic C21-C36	134161995.000	67904676.000	27627174.000	14154223.000	6877987.000	
Aromatic EPH	284943036.000	144147072.000	58521394.000	29906903.000	14603702.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	176202.694	1.627				
Aromatic C12-C16	177273.4926664	2.167				
Aromatic C16-C21	163832.55	1.288				
Aromatic C21-C36	152713.1526664	2.017				
Aromatic EPH	161887.4688884	1.816				

Concentration

Parameter Range	FD048568.D	FD048569.D	FD048570.D	FD048571.D	FD048572.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	FD048568.D	FD048569.D	FD048570.D	FD048571.D	FD048572.D	
Aromatic C10-C12	172800.405000	174131.240000	176551.725000	180133.000000	177397.100000	
Aromatic C12-C16	172521.710000	174762.353333	177676.100000	182499.433333	178907.866666	
Aromatic C16-C21	161161.117500	163074.595000	164644.812500	166875.925000	163406.300000	
Aromatic C21-C36	149068.883333	150899.280000	153484.300000	157269.144444	152844.155555	
Aromatic EPH	158301.686666	160163.413333	162559.427777	166149.461111	162263.355555	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048568.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 23 17:13:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 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...	7.379	14919837	98.962 ug/ml
Spiked Amount	50.000		Recovery =	197.92%
6) S	2-Flurobiphenyl (SURR)	8.230	10015694	100.124 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	200.25%#
11) S	ortho-Terphenyl (SURR)	11.267	16385129	98.289 ug/ml
Spiked Amount	50.000		Recovery =	196.58%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.199	16947170	98.911 ug/ml
2) T	Naphthalene (C11.7)	5.719	17612911	98.941 ug/ml
3) T	2-Methylnaphthalene (...	6.767	17624448	99.004 ug/ml
5) T	Acenaphthylene (C15.06)	8.034	17045088	98.400 ug/ml
7) T	Acenaphthene (C15.5)	8.331	17086977	98.169 ug/ml
8) T	Flouorene (C16.55)	9.109	16673063	98.964 ug/ml
9) T	Phenanthrene (C19.36)	10.496	16410378	99.314 ug/ml
10) T	Anthracene (C19.43)	10.573	15569819	98.435 ug/ml
12) T	Fluoranthene (C21.85)	12.302	15981856	98.532 ug/ml
13) T	Pyrene (C20.8)	12.596	15811187	98.991 ug/ml
14) T	Benzo[a]anthracene (C...	14.466	14979852	100.189 ug/ml
15) T	Chrysene (C27.41)	14.512	15332543	97.081 ug/ml
16) T	benzo[b]fluoranthene ...	16.016	15350623	99.928 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.054	14161475	97.899 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.395	14921521	99.306 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.761	14261058	103.933 ug/ml
20) T	Dibenz[a,h]anthracene...	17.801	14330700	95.355 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.019	14842367	98.211 ug/ml

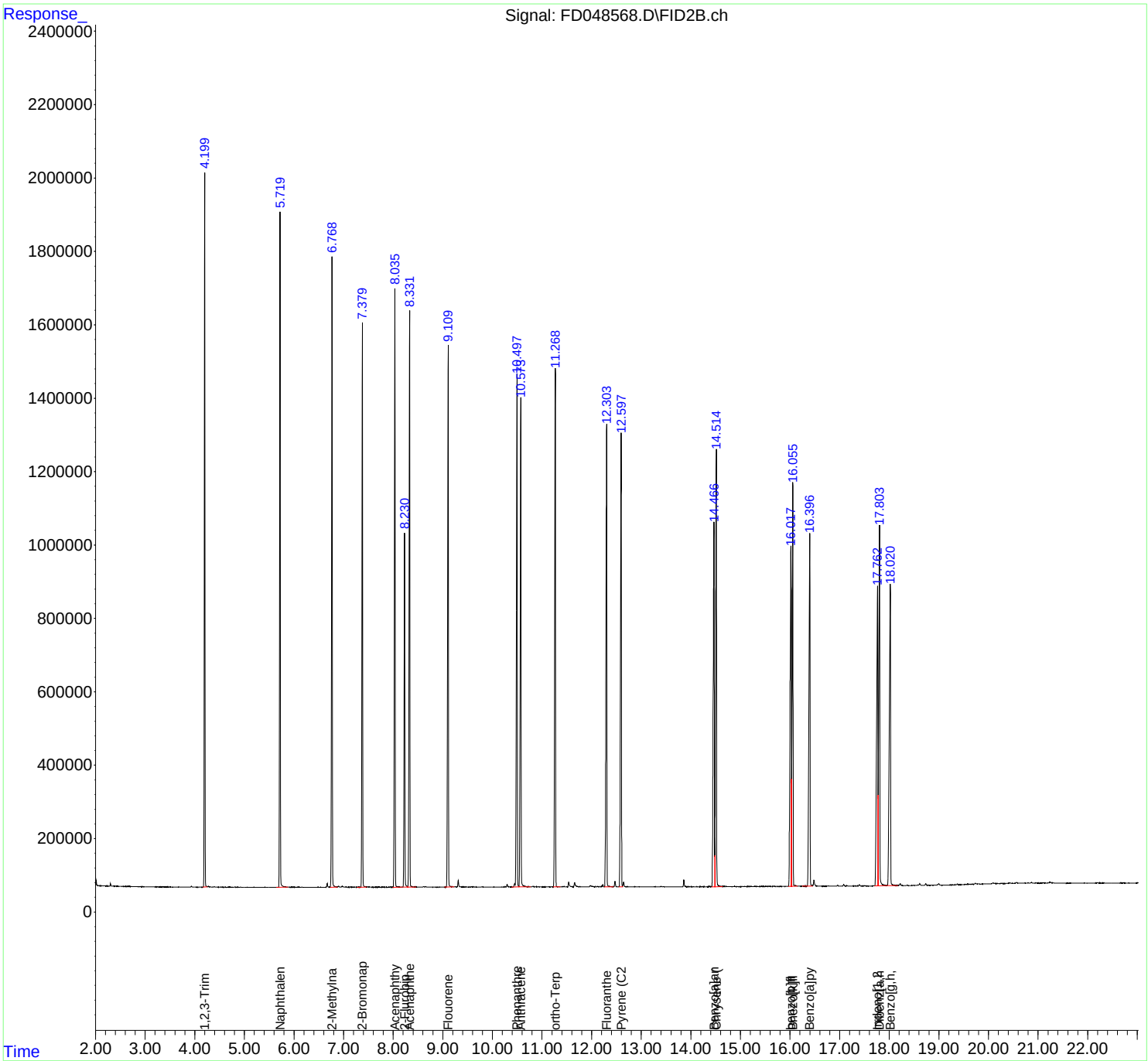
(f)=RT Delta > 1/2 Window (m)=manual int.

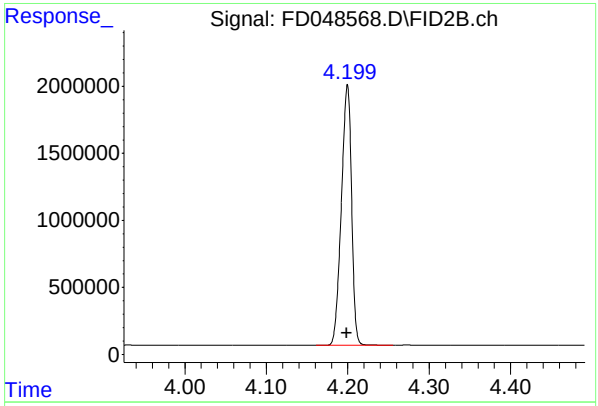
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048568.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:12
Operator : YP/AJ
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

Integration File: autoint1.e
Quant Time: Oct 23 17:13:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

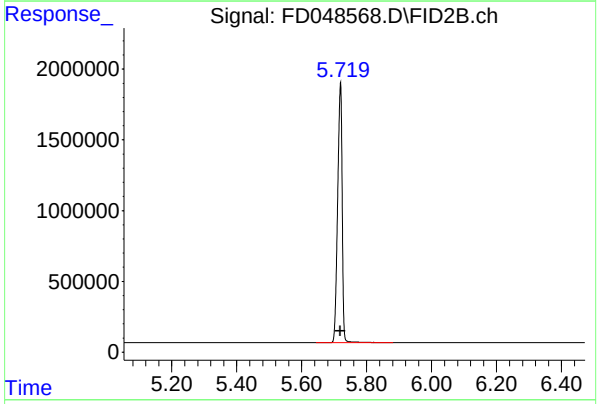




#1 1,2,3-Trimethylbenzene (C10.1)

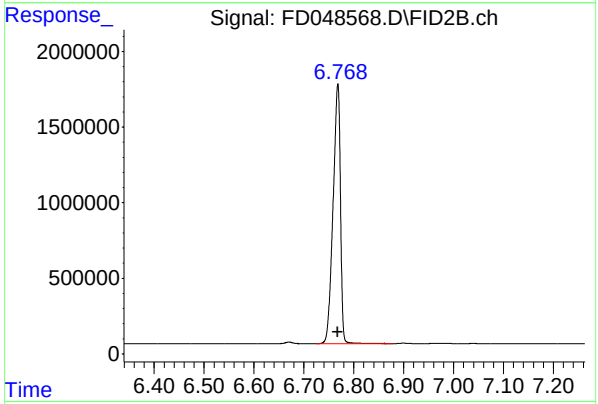
R.T.: 4.199 min
Delta R.T.: 0.000 min
Response: 16947170
Conc: 98.91 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



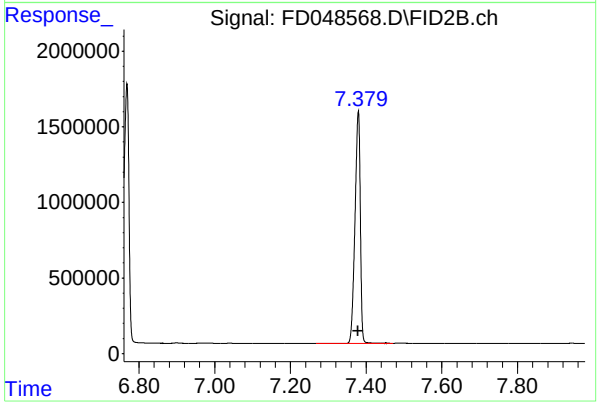
#2 Naphthalene (C11.7)

R.T.: 5.719 min
Delta R.T.: 0.000 min
Response: 17612911
Conc: 98.94 ug/ml



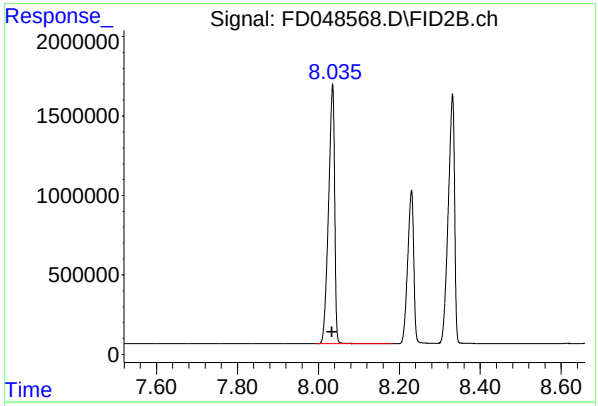
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.767 min
Delta R.T.: 0.000 min
Response: 17624448
Conc: 99.00 ug/ml



#4 2-Bromonaphthalene (SURR)

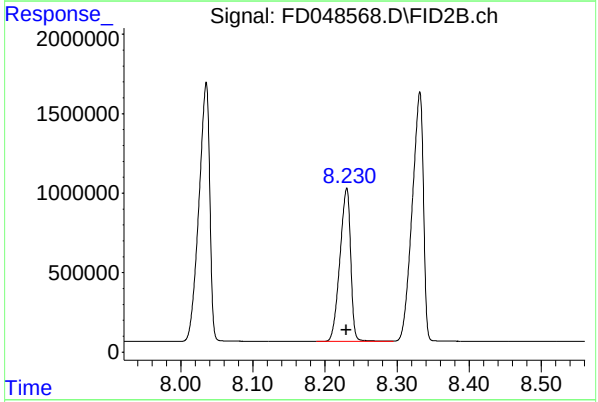
R.T.: 7.379 min
Delta R.T.: 0.000 min
Response: 14919837
Conc: 98.96 ug/ml



#5 Acenaphthylene (C15.06)

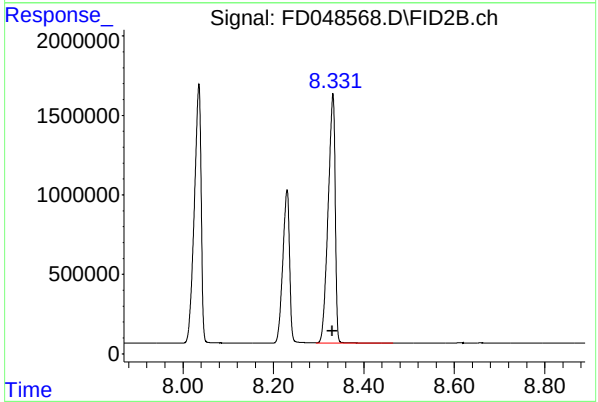
R.T.: 8.034 min
Delta R.T.: 0.000 min
Response: 17045088
Conc: 98.40 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



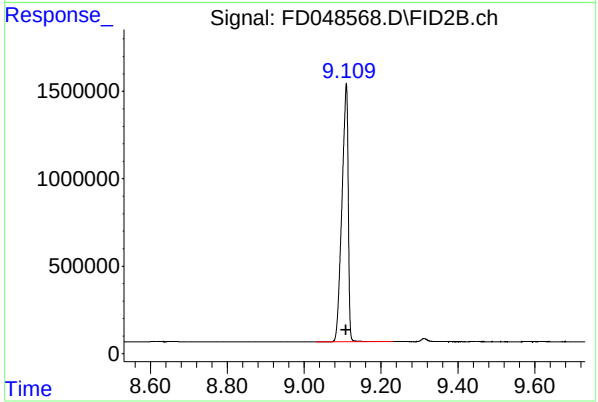
#6 2-Flurobiphenyl (SURR)

R.T.: 8.230 min
Delta R.T.: 0.000 min
Response: 10015694
Conc: 100.12 ug/ml



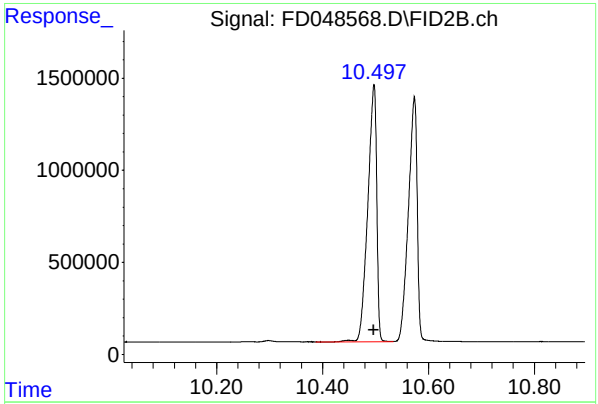
#7 Acenaphthene (C15.5)

R.T.: 8.331 min
Delta R.T.: 0.000 min
Response: 17086977
Conc: 98.17 ug/ml



#8 Flouorene (C16.55)

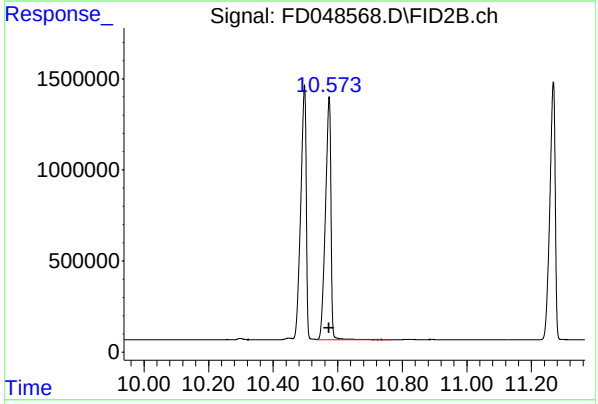
R.T.: 9.109 min
Delta R.T.: 0.000 min
Response: 16673063
Conc: 98.96 ug/ml



#9 Phenanthrene (C19.36)

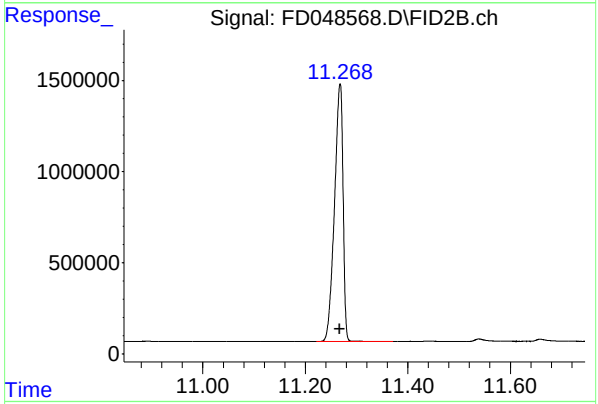
R.T.: 10.496 min
Delta R.T.: 0.000 min
Response: 16410378
Conc: 99.31 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



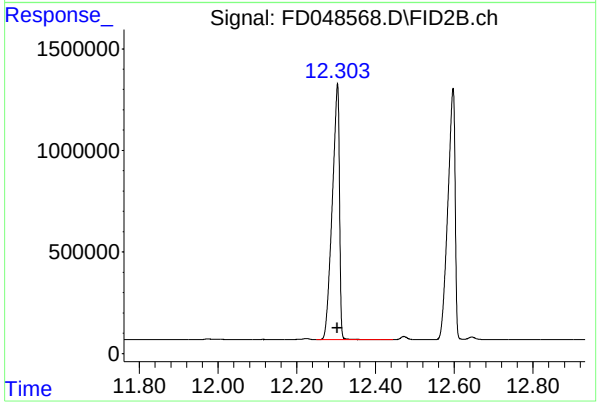
#10 Anthracene (C19.43)

R.T.: 10.573 min
Delta R.T.: 0.000 min
Response: 15569819
Conc: 98.44 ug/ml



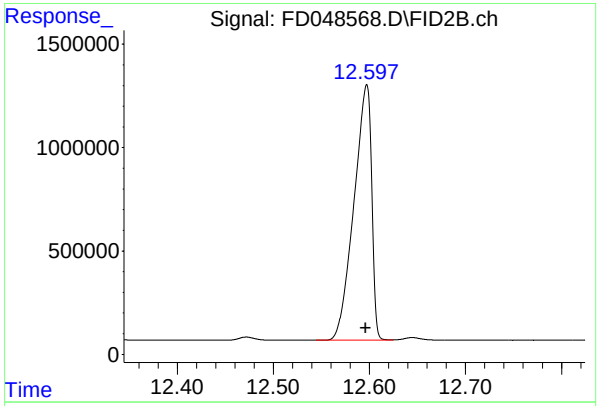
#11 ortho-Terphenyl (SURR)

R.T.: 11.267 min
Delta R.T.: 0.000 min
Response: 16385129
Conc: 98.29 ug/ml



#12 Fluoranthene (C21.85)

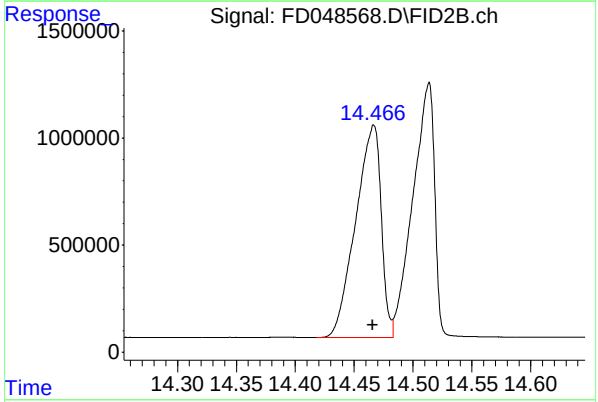
R.T.: 12.302 min
Delta R.T.: 0.000 min
Response: 15981856
Conc: 98.53 ug/ml



#13 Pyrene (C20.8)

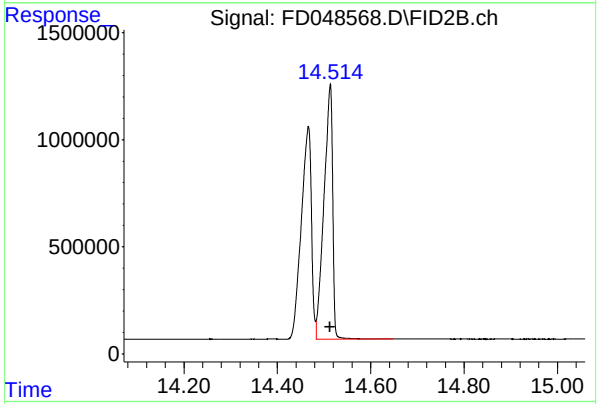
R.T.: 12.596 min
Delta R.T.: 0.000 min
Response: 15811187
Conc: 98.99 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



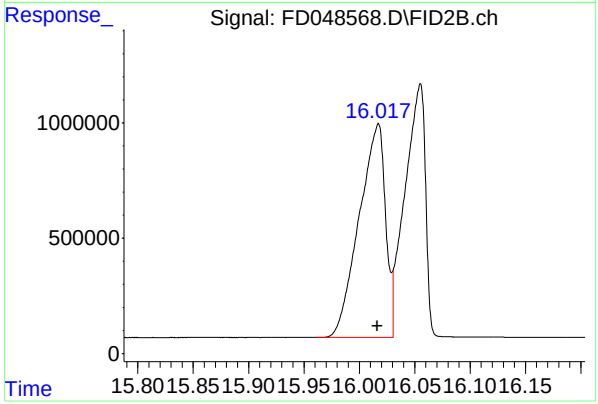
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.466 min
Delta R.T.: 0.000 min
Response: 14979852
Conc: 100.19 ug/ml



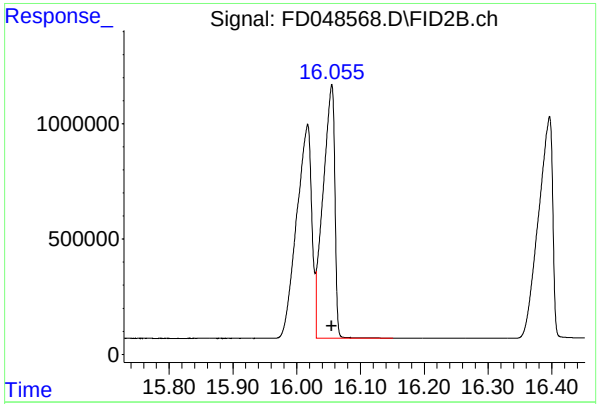
#15 Chrysene (C27.41)

R.T.: 14.512 min
Delta R.T.: 0.000 min
Response: 15332543
Conc: 97.08 ug/ml



#16 benzo[b]fluoranthene (C30.41)

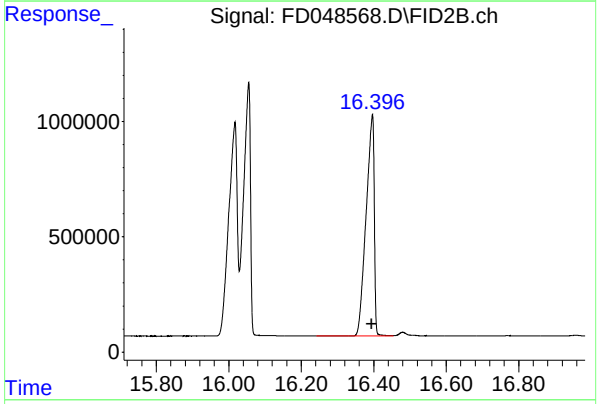
R.T.: 16.016 min
Delta R.T.: 0.000 min
Response: 15350623
Conc: 99.93 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

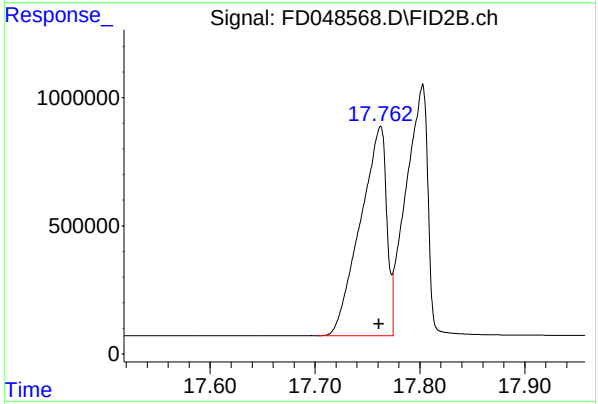
R.T.: 16.054 min
Delta R.T.: -0.001 min
Response: 14161475
Conc: 97.90 ug/ml

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1



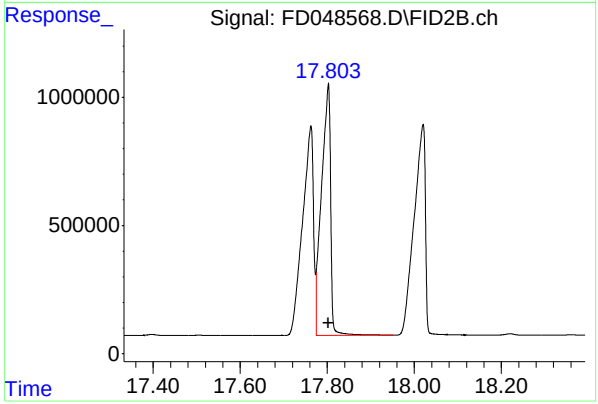
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.395 min
Delta R.T.: 0.000 min
Response: 14921521
Conc: 99.31 ug/ml



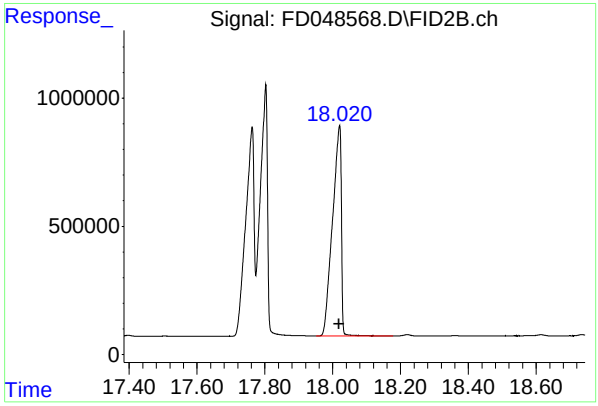
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.761 min
Delta R.T.: 0.000 min
Response: 14261058
Conc: 103.93 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.801 min
Delta R.T.: -0.002 min
Response: 14330700
Conc: 95.35 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.019 min
Delta R.T.: 0.000 mi
Response: 14842367
Conc: 98.21 ug/m

Instrument :
FID_D
ClientSampleId :
100 PPM AROMATIC HC STD1

12

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048568.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:12
Sample : 100 PPM AROMATIC HC STD1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.199	4.161	4.256	BV	1903452	16947170	96.16%	5.194%
2	5.719	5.644	5.881	BV	1794310	17612911	99.93%	5.398%
3	6.767	6.724	6.878	PV	1721582	17624448	100.00%	5.402%
4	7.379	7.268	7.471	PV	1511924	14919837	84.65%	4.573%
5	8.034	7.994	8.184	BB	1618840	17045088	96.71%	5.224%
6	8.230	8.188	8.294	BV	985430	10015694	56.83%	3.070%
7	8.331	8.294	8.464	VB	1571009	17086977	96.95%	5.237%
8	9.109	9.031	9.231	BB	1435050	16673063	94.60%	5.110%
9	10.496	10.388	10.533	BV	1431777	16410378	93.11%	5.030%
10	10.573	10.533	10.771	VB	1362012	15569819	88.34%	4.772%
11	11.267	11.221	11.371	BV	1423748	16385129	92.97%	5.022%
12	12.302	12.249	12.444	VV	1225147	15981856	90.68%	4.898%
13	12.596	12.544	12.624	BV	1267297	15811187	89.71%	4.846%
14	14.466	14.418	14.483	PV	976483	14979852	84.99%	4.591%
15	14.512	14.483	14.648	VB	1164623	15332543	87.00%	4.699%
16	16.016	15.961	16.031	BV	945594	15350623	87.10%	4.705%
17	16.054	16.031	16.151	VB	1101985	14161475	80.35%	4.340%
18	16.395	16.241	16.453	BV	941300	14921521	84.66%	4.573%
19	17.761	17.701	17.774	BV	810590	14261058	80.92%	4.371%
20	17.801	17.774	17.951	VV	963681	14330700	81.31%	4.392%
21	18.019	17.951	18.178	VV	811340	14842367	84.21%	4.549%

Sum of corrected areas: 326263695

Aromatic EPH 102324.M Wed Oct 23 18:16:59 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048569.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 23 17:15:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 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...	7.375	7529591	49.962 ug/ml
Spiked Amount	50.000		Recovery =	99.92%
6) S	2-Flurobiphenyl (SURR)	8.225	5021501	50.132 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	100.26%
11) S	ortho-Terphenyl (SURR)	11.261	8334280	49.996 ug/ml
Spiked Amount	50.000		Recovery =	99.99%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.196	8539641	49.894 ug/ml
2) T	Naphthalene (C11.7)	5.715	8873483	49.898 ug/ml
3) T	2-Methylnaphthalene (...	6.762	8891978	49.967 ug/ml
5) T	Acenaphthylene (C15.06)	8.029	8649197	49.954 ug/ml
7) T	Acenaphthene (C15.5)	8.324	8673178	49.886 ug/ml
8) T	Flouorene (C16.55)	9.102	8428307	50.018 ug/ml
9) T	Phenanthrene (C19.36)	10.489	8272929	50.044 ug/ml
10) T	Anthracene (C19.43)	10.565	7888616	49.915 ug/ml
12) T	Fluoranthene (C21.85)	12.294	8076662	49.863 ug/ml
13) T	Pyrene (C20.8)	12.587	8025067	50.162 ug/ml
14) T	Benzo[a]anthracene (C...	14.456	7527575	50.230 ug/ml
15) T	Chrysene (C27.41)	14.500	7833293	49.731 ug/ml
16) T	benzo[b]fluoranthene ...	16.005	7671770	49.961 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.039	7231888	49.599 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.381	7547267	50.152 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.747	6949708	50.431 ug/ml
20) T	Dibenz[a,h]anthracene...	17.785	7539487	49.466 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.000	7527026	49.870 ug/ml

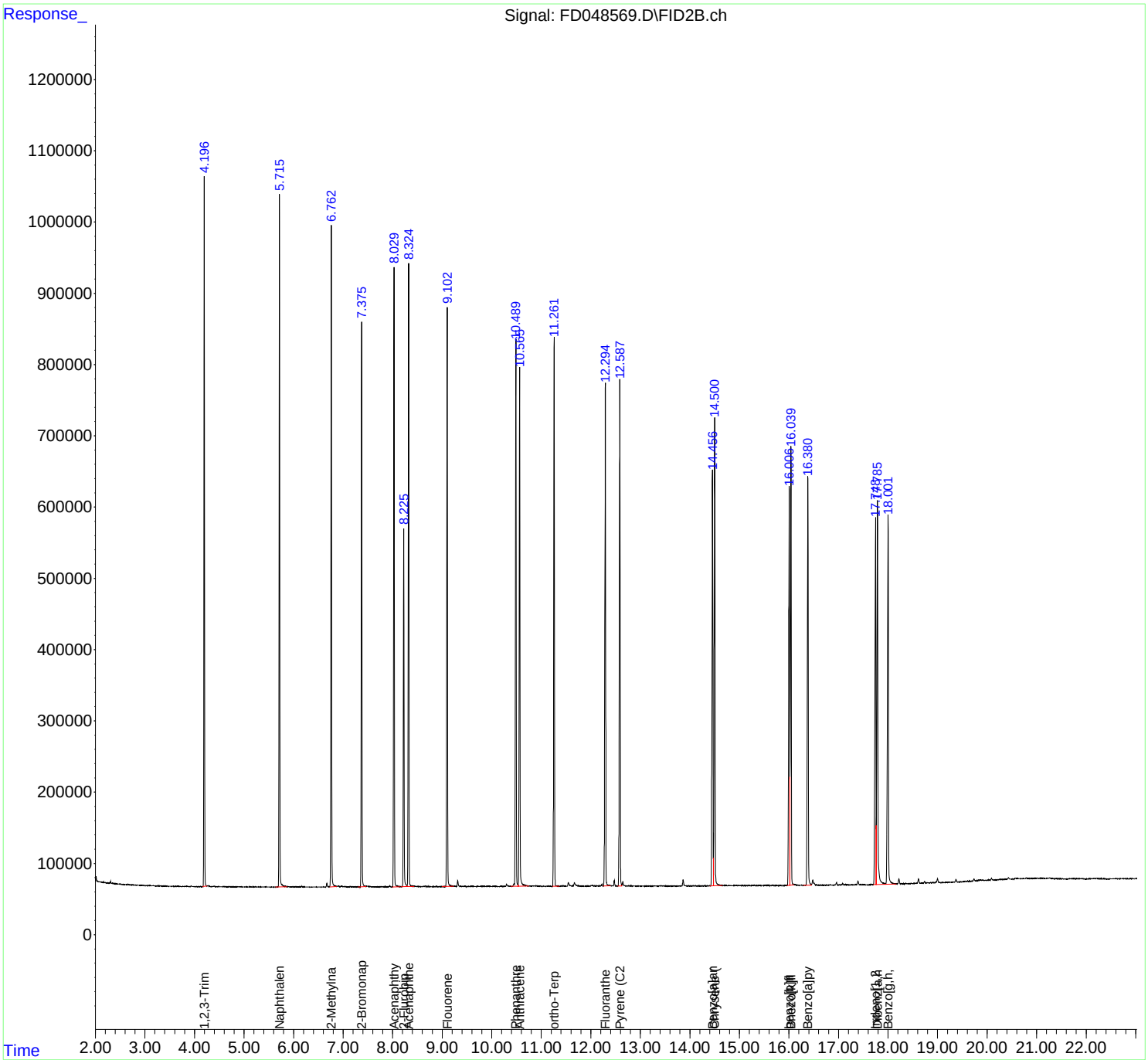
(f)=RT Delta > 1/2 Window (m)=manual int.

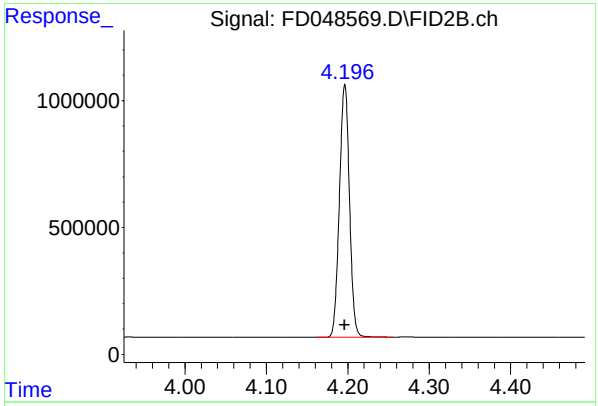
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048569.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:48
Operator : YP/AJ
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

Integration File: autoint1.e
Quant Time: Oct 23 17:15:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

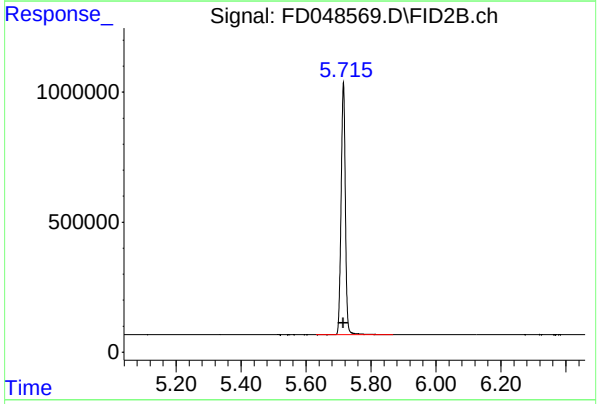




#1 1,2,3-Trimethylbenzene (C10.1)

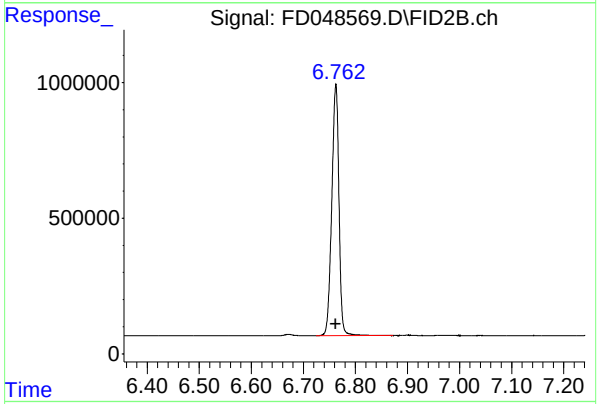
R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 8539641
Conc: 49.89 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



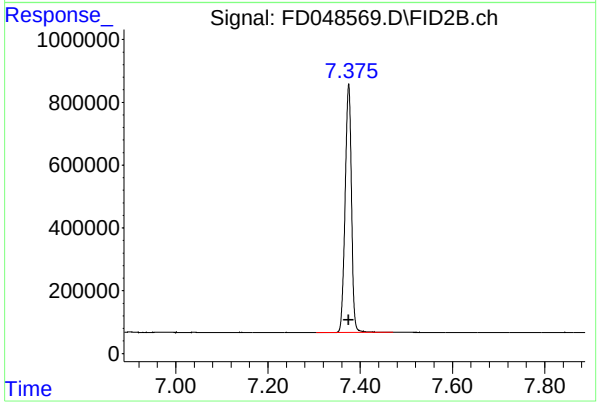
#2 Naphthalene (C11.7)

R.T.: 5.715 min
Delta R.T.: 0.000 min
Response: 8873483
Conc: 49.90 ug/ml



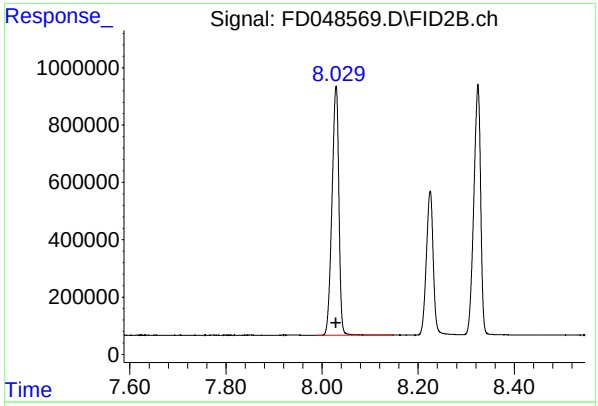
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: 0.000 min
Response: 8891978
Conc: 49.97 ug/ml



#4 2-Bromonaphthalene (SURR)

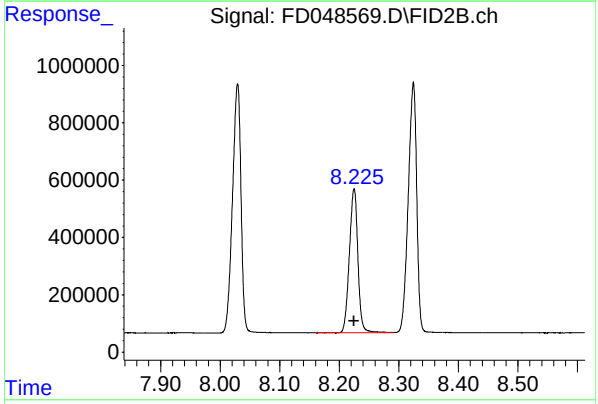
R.T.: 7.375 min
Delta R.T.: 0.000 min
Response: 7529591
Conc: 49.96 ug/ml



#5 Acenaphthylene (C15.06)

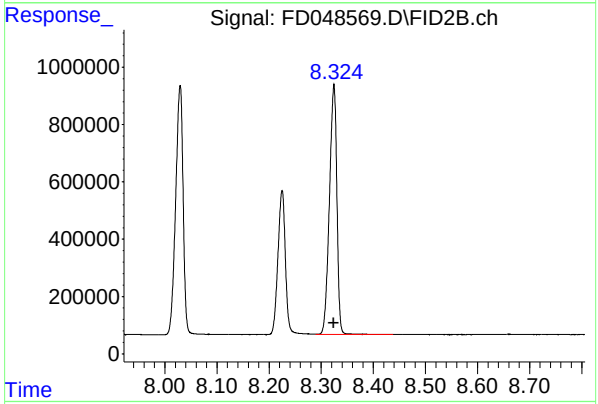
R.T.: 8.029 min
Delta R.T.: 0.000 min
Response: 8649197
Conc: 49.95 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



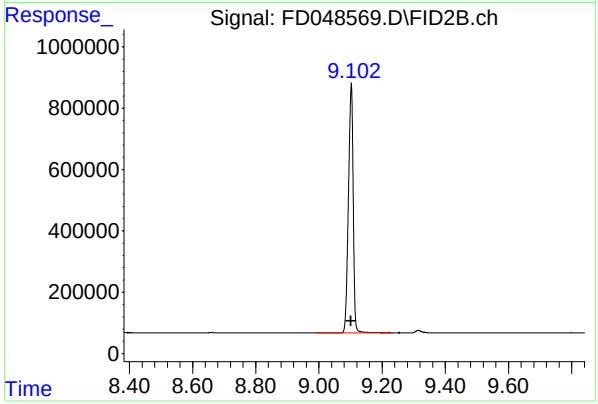
#6 2-Flurobiphenyl (SURR)

R.T.: 8.225 min
Delta R.T.: 0.000 min
Response: 5021501
Conc: 50.13 ug/ml



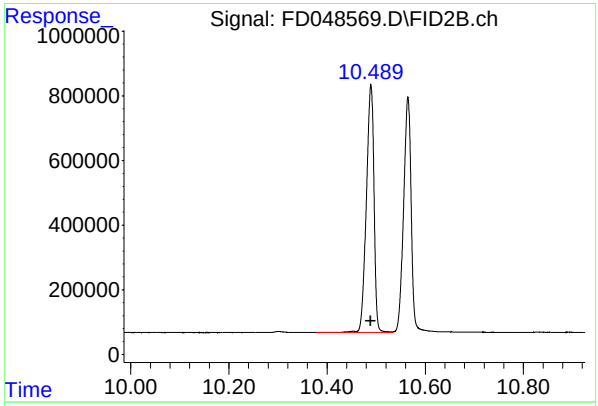
#7 Acenaphthene (C15.5)

R.T.: 8.324 min
Delta R.T.: 0.000 min
Response: 8673178
Conc: 49.89 ug/ml



#8 Flouorene (C16.55)

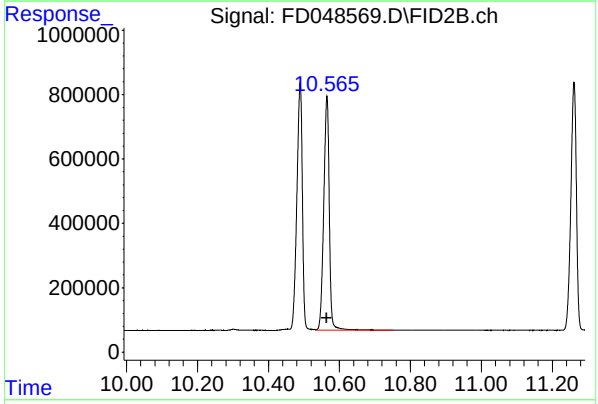
R.T.: 9.102 min
Delta R.T.: 0.000 min
Response: 8428307
Conc: 50.02 ug/ml



#9 Phenanthrene (C19.36)

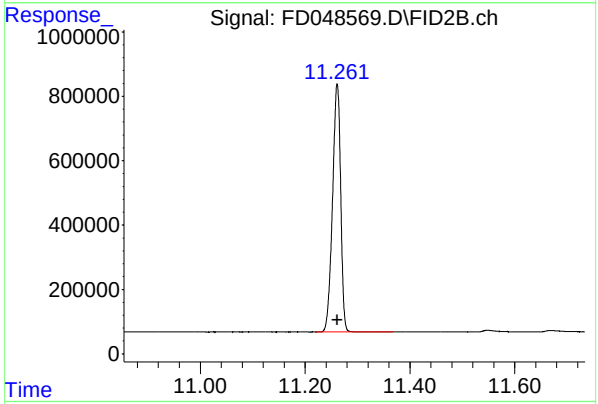
R.T.: 10.489 min
Delta R.T.: 0.000 min
Response: 8272929
Conc: 50.04 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



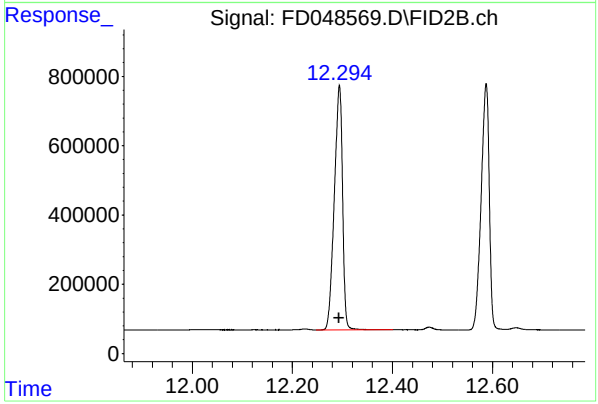
#10 Anthracene (C19.43)

R.T.: 10.565 min
Delta R.T.: 0.000 min
Response: 7888616
Conc: 49.92 ug/ml



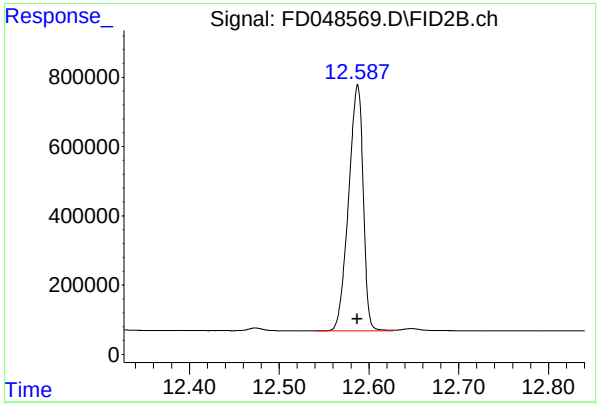
#11 ortho-Terphenyl (SURR)

R.T.: 11.261 min
Delta R.T.: 0.000 min
Response: 8334280
Conc: 50.00 ug/ml



#12 Fluoranthene (C21.85)

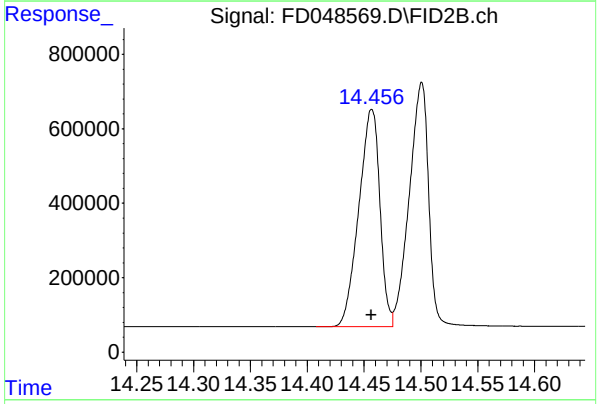
R.T.: 12.294 min
Delta R.T.: 0.000 min
Response: 8076662
Conc: 49.86 ug/ml



#13 Pyrene (C20.8)

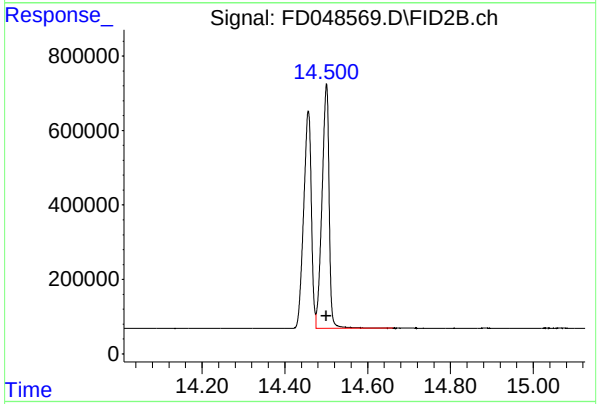
R.T.: 12.587 min
Delta R.T.: 0.000 min
Response: 8025067
Conc: 50.16 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



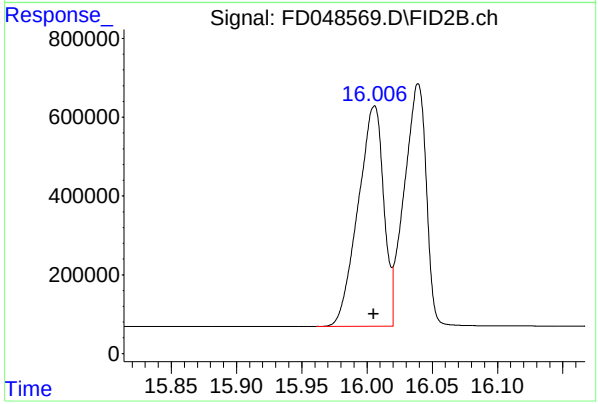
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.456 min
Delta R.T.: 0.000 min
Response: 7527575
Conc: 50.23 ug/ml



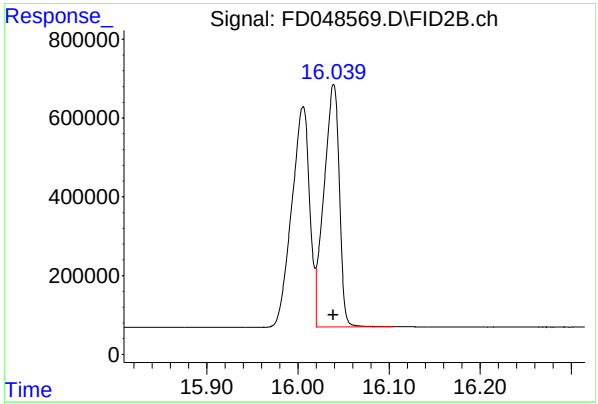
#15 Chrysene (C27.41)

R.T.: 14.500 min
Delta R.T.: 0.000 min
Response: 7833293
Conc: 49.73 ug/ml



#16 benzo[b]fluoranthene (C30.41)

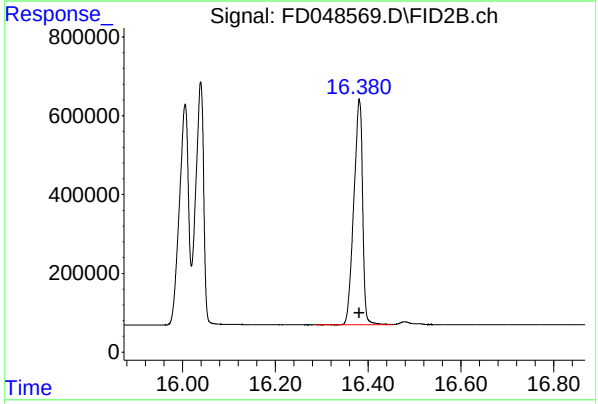
R.T.: 16.005 min
Delta R.T.: 0.000 min
Response: 7671770
Conc: 49.96 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

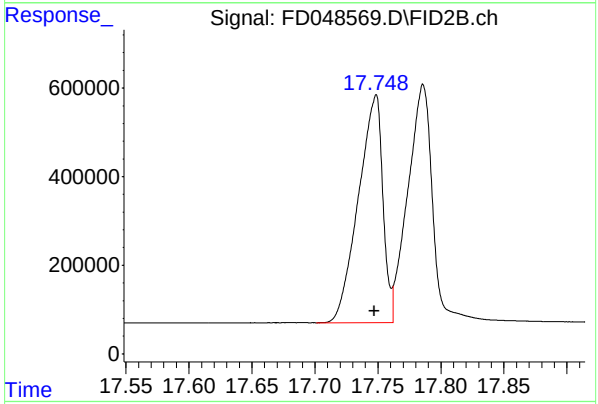
R.T.: 16.039 min
Delta R.T.: 0.000 min
Response: 7231888
Conc: 49.60 ug/ml

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2



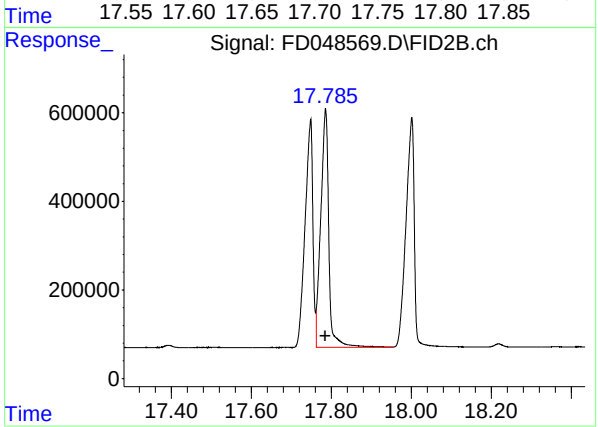
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 7547267
Conc: 50.15 ug/ml



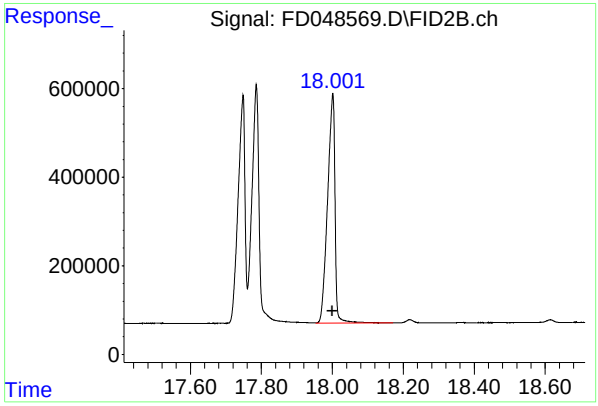
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.747 min
Delta R.T.: 0.000 min
Response: 6949708
Conc: 50.43 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.785 min
Delta R.T.: 0.000 min
Response: 7539487
Conc: 49.47 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.000 min
Delta R.T.: 0.000 mi
Response: 7527026
Conc: 49.87 ug/m

Instrument :
FID_D
ClientSampleId :
50 PPM AROMATIC HC STD2

12

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048569.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 15:48
Sample : 50 PPM AROMATIC HC STD2
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.196	4.161	4.255	BV	998732	8539641	96.04%	5.175%
2	5.715	5.631	5.868	BB	961300	8873483	99.79%	5.377%
3	6.762	6.724	6.872	PV	916254	8891978	100.00%	5.388%
4	7.375	7.304	7.471	BB	788165	7529591	84.68%	4.562%
5	8.029	7.988	8.148	BB	861509	8649197	97.27%	5.241%
6	8.225	8.161	8.290	BV	502069	5021501	56.47%	3.043%
7	8.324	8.290	8.438	VB	874209	8673178	97.54%	5.255%
8	9.102	8.991	9.234	BV	799296	8428307	94.79%	5.107%
9	10.489	10.378	10.534	BV	757282	8272929	93.04%	5.013%
10	10.565	10.534	10.751	VB	727764	7888616	88.72%	4.780%
11	11.261	11.221	11.368	BB	773174	8334280	93.73%	5.050%
12	12.294	12.247	12.401	PB	711390	8076662	90.83%	4.894%
13	12.587	12.541	12.627	BV	714458	8025067	90.25%	4.863%
14	14.456	14.408	14.475	PV	588127	7527575	84.66%	4.561%
15	14.500	14.475	14.661	VB	663541	7833293	88.09%	4.747%
16	16.005	15.961	16.020	BV	559367	7671770	86.28%	4.649%
17	16.039	16.020	16.104	VV	611862	7231888	81.33%	4.382%
18	16.381	16.288	16.453	BV	574389	7547267	84.88%	4.573%
19	17.747	17.701	17.762	BV	512967	6949708	78.16%	4.211%
20	17.785	17.762	17.954	VV	532723	7539487	84.79%	4.568%
21	18.000	17.954	18.171	VV	519884	7527026	84.65%	4.561%

Sum of corrected areas: 165032443

Aromatic EPH 102324.M Wed Oct 23 18:18:22 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048570.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 23 17:10:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 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...	7.372	3046545	20.000	ug/ml
Spiked Amount	50.000		Recovery =	40.00%	
6)	S 2-Flurobiphenyl (SURR)	8.222	1998164	20.000	ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.00%	
11)	S ortho-Terphenyl (SURR)	11.258	3391146	20.000	ug/ml
Spiked Amount	50.000		Recovery =	40.00%	
	Target Compounds				
1)	T 1,2,3-Trimethylbenzen...	4.195	3464073	20.000	ug/ml
2)	T Naphthalene (C11.7)	5.713	3597996	20.000	ug/ml
3)	T 2-Methylnaphthalene (...	6.760	3595810	20.000	ug/ml
5)	T Acenaphthylene (C15.06)	8.025	3519888	20.000	ug/ml
7)	T Acenaphthene (C15.5)	8.319	3544868	20.000	ug/ml
8)	T Flouorene (C16.55)	9.097	3404430	20.000	ug/ml
9)	T Phenanthrene (C19.36)	10.485	3327445	20.000	ug/ml
10)	T Anthracene (C19.43)	10.560	3212978	20.000	ug/ml
12)	T Fluoranthene (C21.85)	12.288	3291616	20.000	ug/ml
13)	T Pyrene (C20.8)	12.581	3226732	20.000	ug/ml
14)	T Benzo[a]anthracene (C...	14.451	2984688	20.000	ug/ml
15)	T Chrysene (C27.41)	14.492	3250919	20.000	ug/ml
16)	T benzo[b]fluoranthene ...	15.997	3074553	20.000	ug/ml
17)	T Bnezo[k]fluoranthene ...	16.027	3023398	20.000	ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.372	3026012	20.000	ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.737	2636324	20.000	ug/ml
20)	T Dibenz[a,h]anthracene...	17.777	3263027	20.000	ug/ml
21)	T Benzo[g,h,i]perylene ...	17.987	3076637	20.000	ug/ml

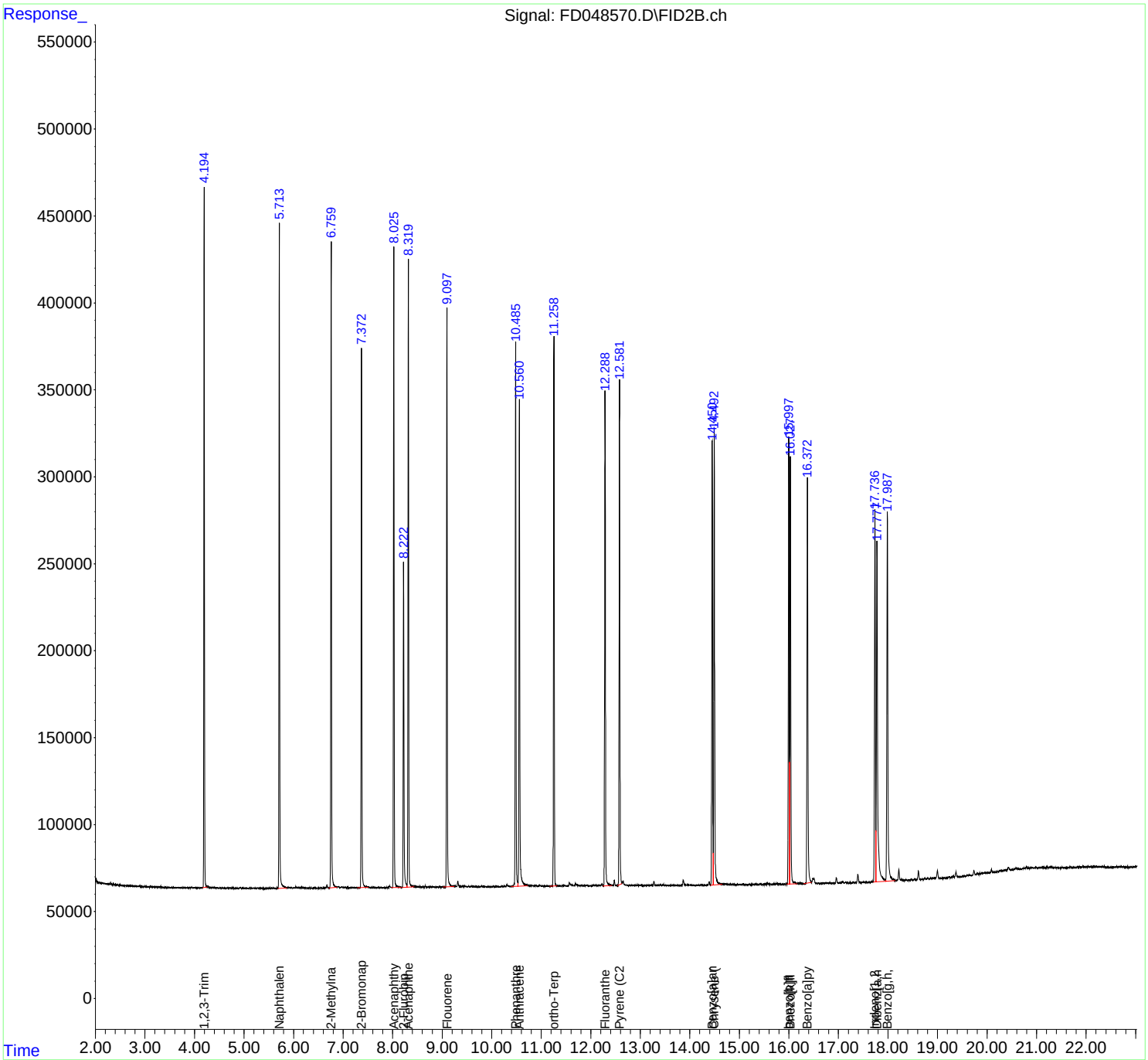
(f)=RT Delta > 1/2 Window (m)=manual int.

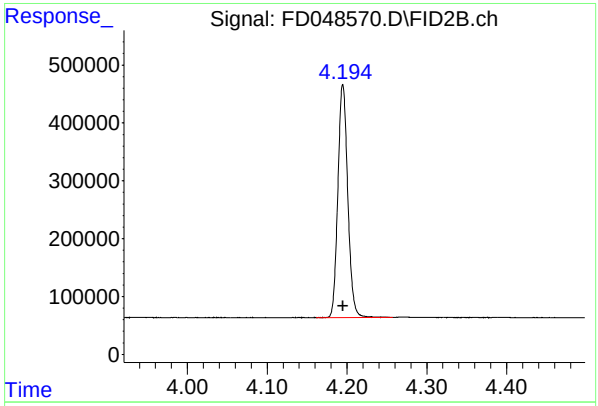
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048570.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 16:25
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

Integration File: autoint1.e
Quant Time: Oct 23 17:10:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:09:25 2024
Response via : Initial Calibration
Integrator: ChemStation

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

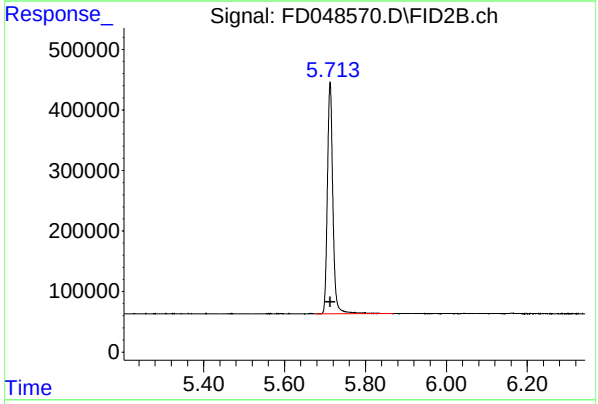




#1 1,2,3-Trimethylbenzene (C10.1)

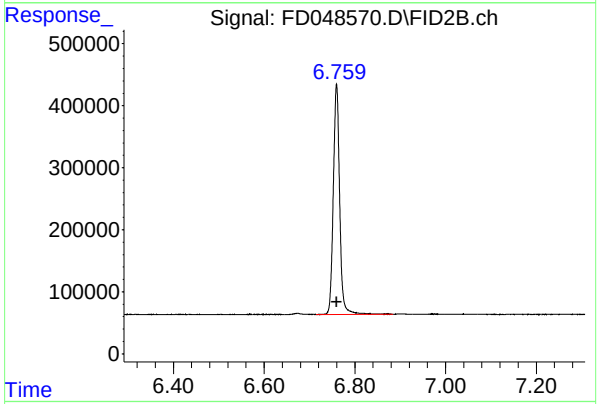
R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 3464073
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



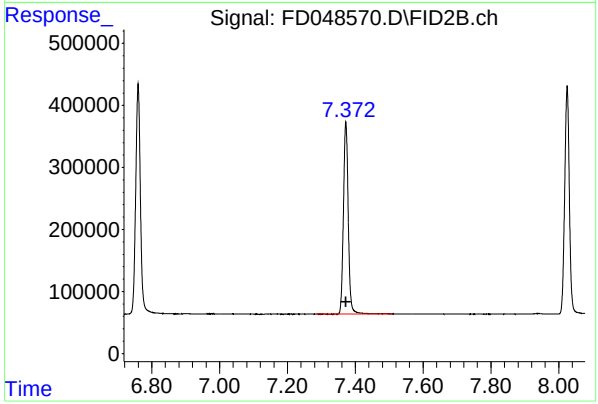
#2 Naphthalene (C11.7)

R.T.: 5.713 min
Delta R.T.: 0.000 min
Response: 3597996
Conc: 20.00 ug/ml



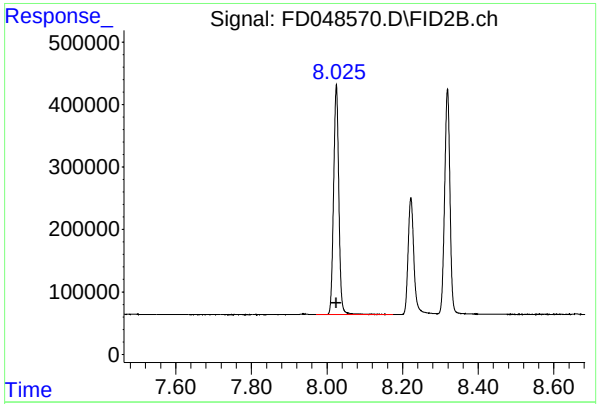
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 3595810
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

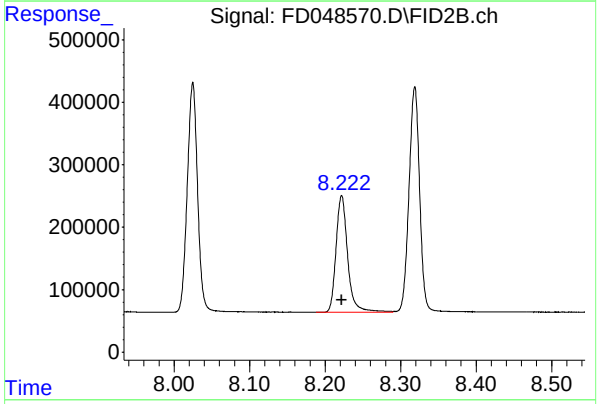
R.T.: 7.372 min
Delta R.T.: 0.000 min
Response: 3046545
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

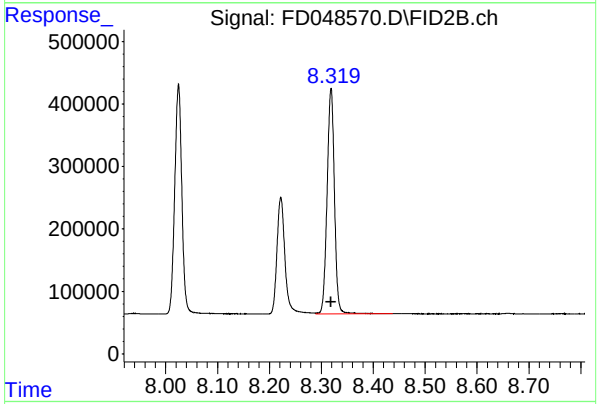
R.T.: 8.025 min
Delta R.T.: 0.000 min
Response: 3519888
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



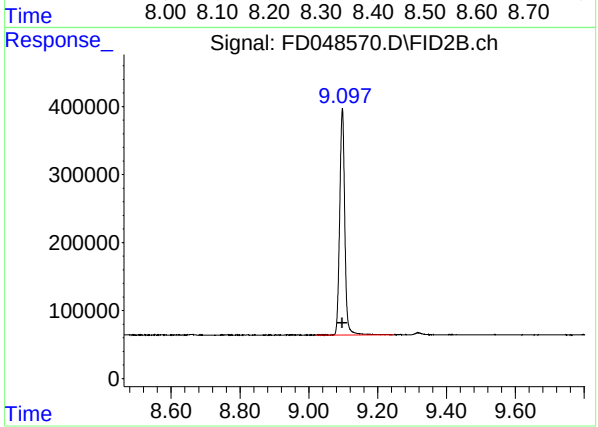
#6 2-Flurobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: 0.000 min
Response: 1998164
Conc: 20.00 ug/ml



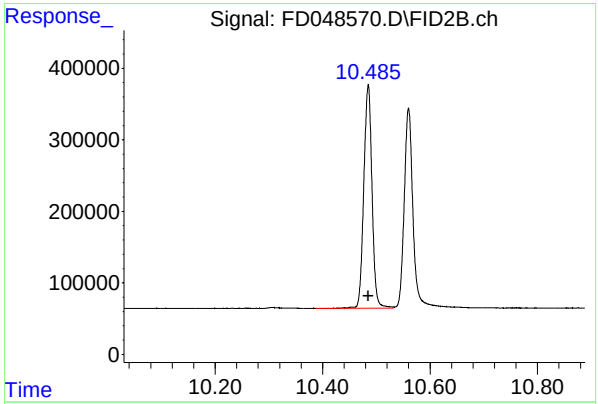
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 3544868
Conc: 20.00 ug/ml



#8 Flouorene (C16.55)

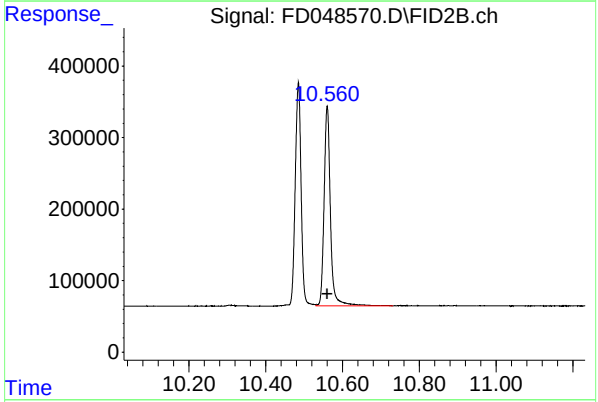
R.T.: 9.097 min
Delta R.T.: 0.000 min
Response: 3404430
Conc: 20.00 ug/ml



#9 Phenanthrene (C19.36)

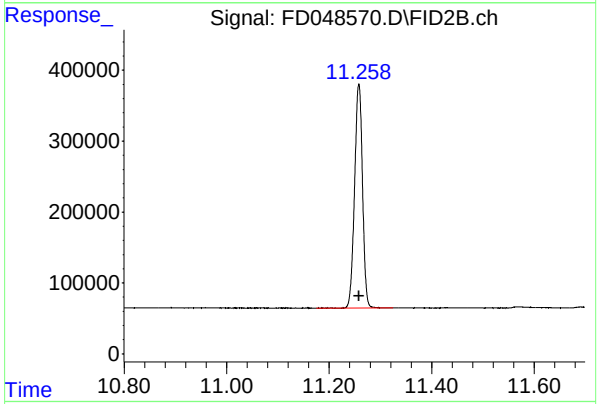
R.T.: 10.485 min
Delta R.T.: 0.000 min
Response: 3327445
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



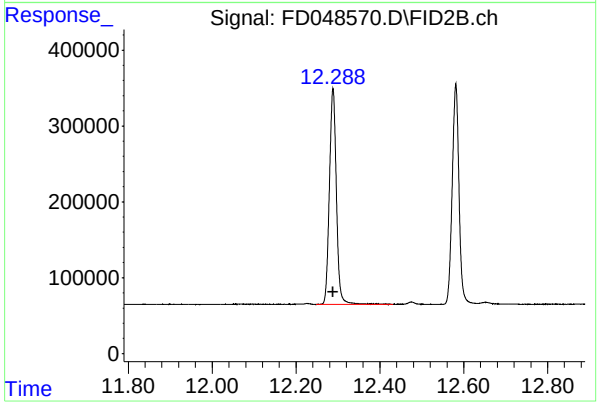
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: 0.000 min
Response: 3212978
Conc: 20.00 ug/ml



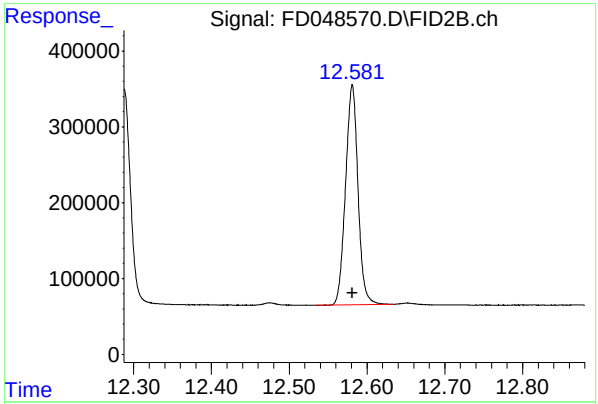
#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: 0.000 min
Response: 3391146
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

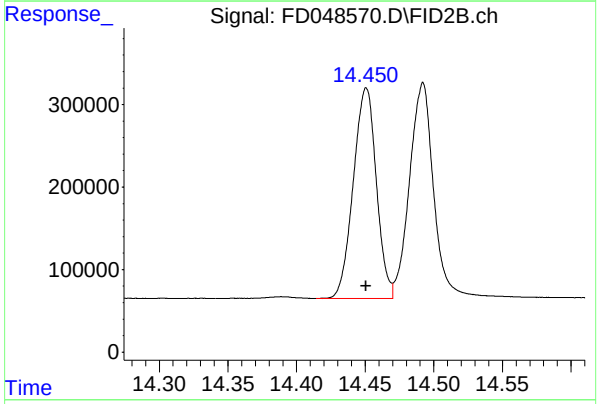
R.T.: 12.288 min
Delta R.T.: 0.000 min
Response: 3291616
Conc: 20.00 ug/ml



#13 Pyrene (C20.8)

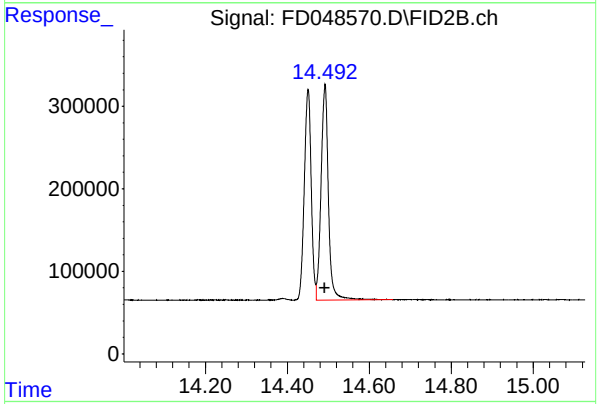
R.T.: 12.581 min
Delta R.T.: 0.000 min
Response: 3226732
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



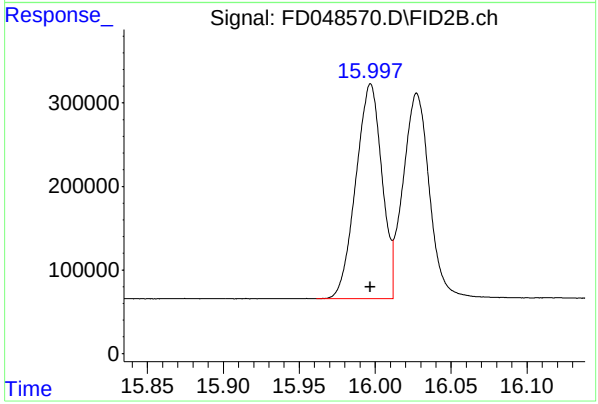
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.451 min
Delta R.T.: 0.000 min
Response: 2984688
Conc: 20.00 ug/ml



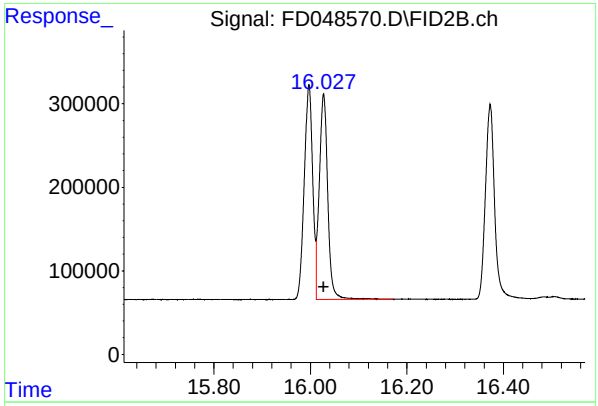
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: 0.000 min
Response: 3250919
Conc: 20.00 ug/ml



#16 benzo[b]fluoranthene (C30.41)

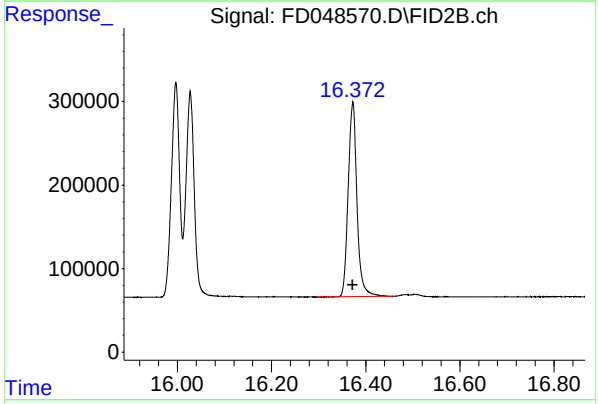
R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 3074553
Conc: 20.00 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

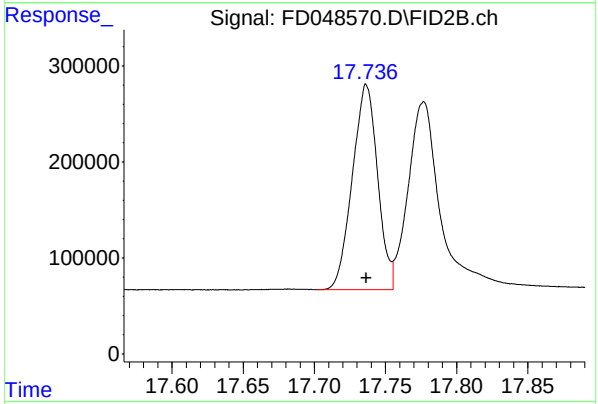
R.T.: 16.027 min
Delta R.T.: 0.000 min
Response: 3023398
Conc: 20.00 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3



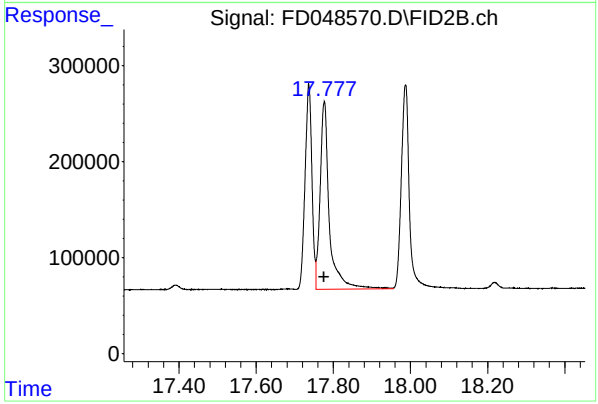
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.372 min
Delta R.T.: 0.000 min
Response: 3026012
Conc: 20.00 ug/ml



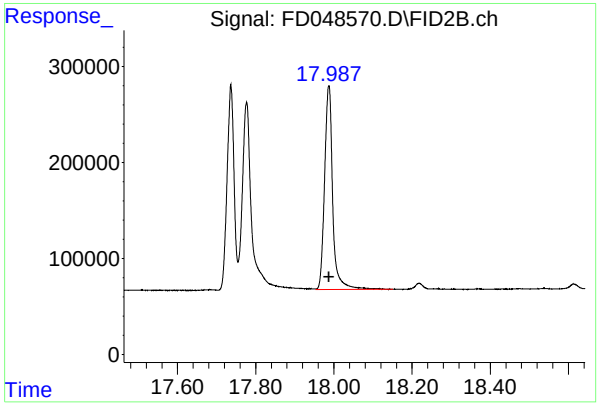
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: 0.000 min
Response: 2636324
Conc: 20.00 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.777 min
Delta R.T.: 0.000 min
Response: 3263027
Conc: 20.00 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.987 min
Delta R.T.: 0.000 mi
Response: 3076637
Conc: 20.00 ug/m

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD3

12

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048570.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 16:25
Sample : 20 PPM AROMATIC HC STD3
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.195	4.161	4.257	BV	402734	3464073	96.28%	5.174%
2	5.713	5.678	5.868	PB	378310	3597996	100.00%	5.374%
3	6.760	6.714	6.884	PV	369607	3595810	99.94%	5.370%
4	7.372	7.284	7.511	BB	309427	3046545	84.67%	4.550%
5	8.025	7.971	8.174	BV	366415	3519888	97.83%	5.257%
6	8.222	8.188	8.290	PV	185974	1998164	55.54%	2.984%
7	8.319	8.290	8.438	VB	358996	3544868	98.52%	5.294%
8	9.097	9.021	9.244	BB	332486	3404430	94.62%	5.084%
9	10.485	10.388	10.531	BV	311516	3327445	92.48%	4.970%
10	10.560	10.531	10.731	VB	280274	3212978	89.30%	4.799%
11	11.258	11.174	11.324	BB	316403	3391146	94.25%	5.065%
12	12.288	12.248	12.431	PB	284432	3291616	91.48%	4.916%
13	12.581	12.534	12.633	PV	290024	3226732	89.68%	4.819%
14	14.451	14.414	14.470	PV	256334	2984688	82.95%	4.458%
15	14.492	14.470	14.658	VB	259225	3250919	90.35%	4.855%
16	15.997	15.961	16.012	BV	257955	3074553	85.45%	4.592%
17	16.027	16.012	16.171	VB	245800	3023398	84.03%	4.515%
18	16.372	16.294	16.458	BV	230365	3026012	84.10%	4.519%
19	17.737	17.701	17.755	BV	213338	2636324	73.27%	3.937%
20	17.777	17.755	17.954	VV	197036	3263027	90.69%	4.873%
21	17.987	17.954	18.151	VB	213971	3076637	85.51%	4.595%
			Sum of corrected areas:			66957247		

Aromatic EPH 102324.M Wed Oct 23 18:18:39 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048571.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 23 17:44:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:44:12 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...	7.373	1535833	10.143 ug/ml
	Spiked Amount 50.000		Recovery =	20.29%
6)	S 2-Flurobiphenyl (SURR)	8.224	998081	9.973 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	19.95%
11)	S ortho-Terphenyl (SURR)	11.257	1758096	10.404 ug/ml
	Spiked Amount 50.000		Recovery =	20.81%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.196	1780007	10.297 ug/ml
2)	T Naphthalene (C11.7)	5.714	1822653	10.186 ug/ml
3)	T 2-Methylnaphthalene (...	6.760	1826622	10.197 ug/ml
5)	T Acenaphthylene (C15.06)	8.025	1809718	10.335 ug/ml
7)	T Acenaphthene (C15.5)	8.318	1838643	10.425 ug/ml
8)	T Flouorene (C16.55)	9.098	1719817	10.154 ug/ml
9)	T Phenanthrene (C19.36)	10.484	1680489	10.124 ug/ml
10)	T Anthracene (C19.43)	10.560	1635709	10.260 ug/ml
12)	T Fluoranthene (C21.85)	12.288	1671203	10.236 ug/ml
13)	T Pyrene (C20.8)	12.581	1639022	10.183 ug/ml
14)	T Benzo[a]anthracene (C...	14.450	1472368	9.868 ug/ml
15)	T Chrysene (C27.41)	14.491	1725560	10.700 ug/ml
16)	T benzo[b]fluoranthene ...	15.995	1544713	10.045 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.026	1579300	10.611 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.374	1518079	10.066 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.737	1259393	9.340 ug/ml
20)	T Dibenz[a,h]anthracene...	17.779	1780079	11.209 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.986	1603528	10.461 ug/ml

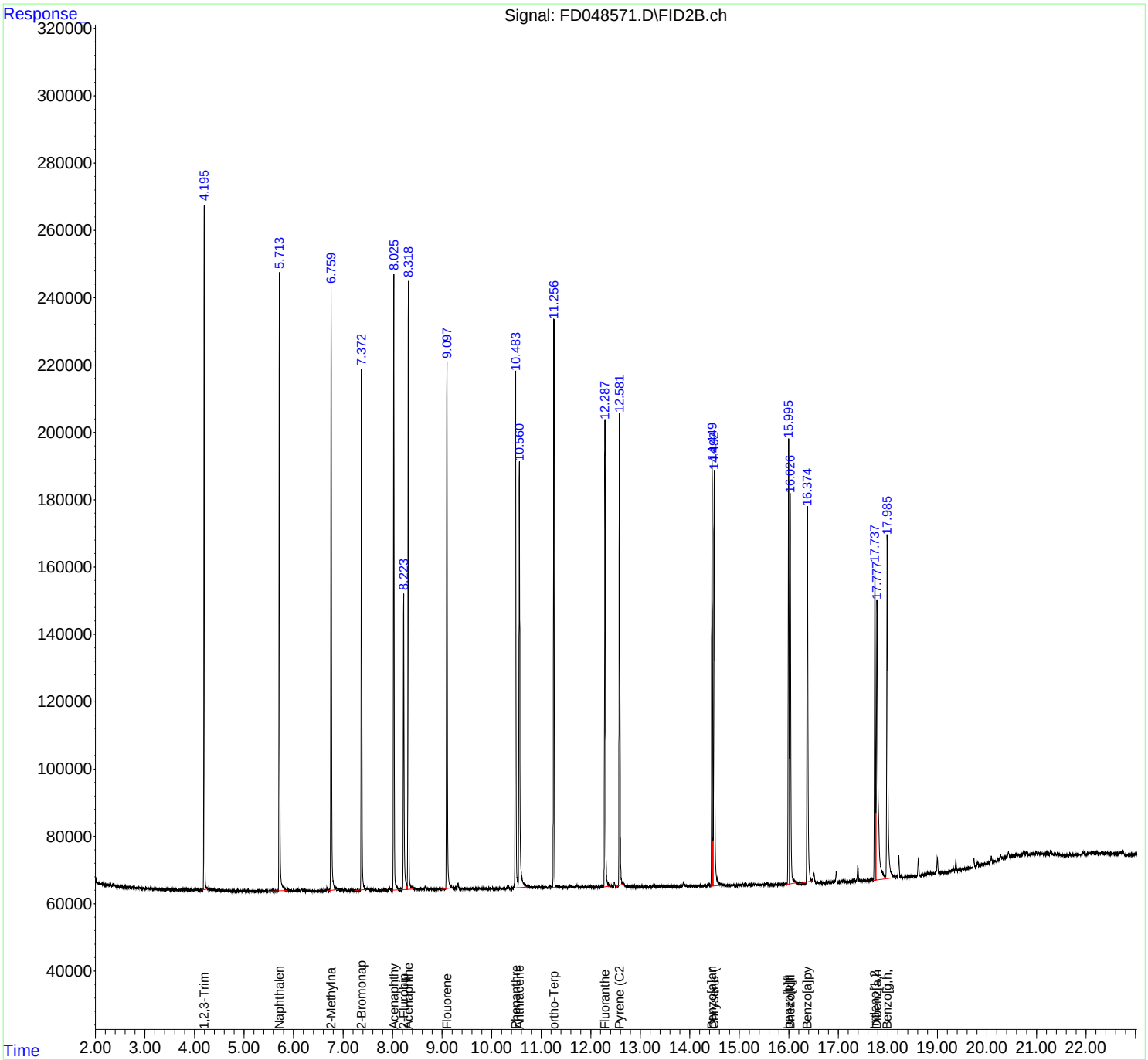
(f)=RT Delta > 1/2 Window (m)=manual int.

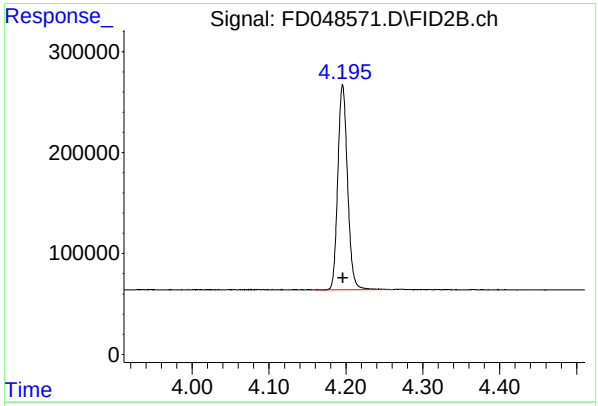
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048571.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:02
Operator : YP/AJ
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

Integration File: autoint1.e
Quant Time: Oct 23 17:44:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 17:44:12 2024
Response via : Initial Calibration
Integrator: ChemStation

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

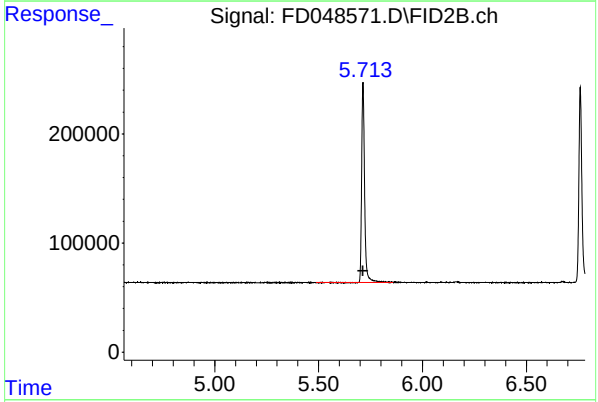




#1 1,2,3-Trimethylbenzene (C10.1)

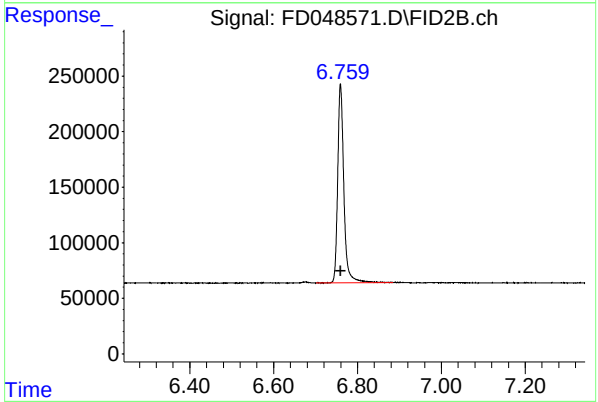
R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 1780007
Conc: 10.30 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



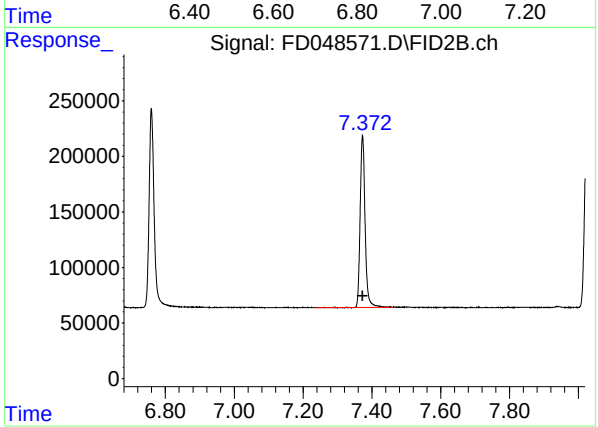
#2 Naphthalene (C11.7)

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 1822653
Conc: 10.19 ug/ml



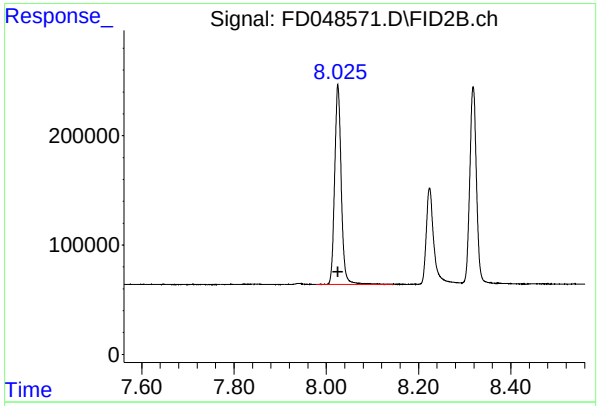
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: 0.000 min
Response: 1826622
Conc: 10.20 ug/ml



#4 2-Bromonaphthalene (SURR)

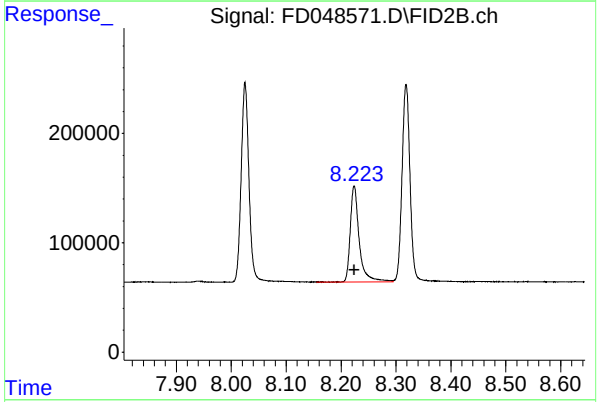
R.T.: 7.373 min
Delta R.T.: 0.000 min
Response: 1535833
Conc: 10.14 ug/ml



#5 Acenaphthylene (C15.06)

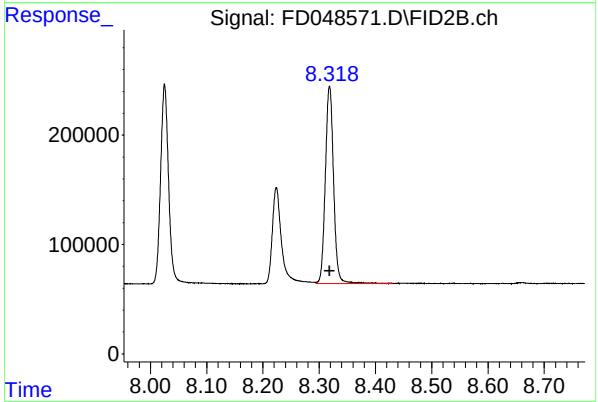
R.T.: 8.025 min
Delta R.T.: 0.000 min
Response: 1809718
Conc: 10.34 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



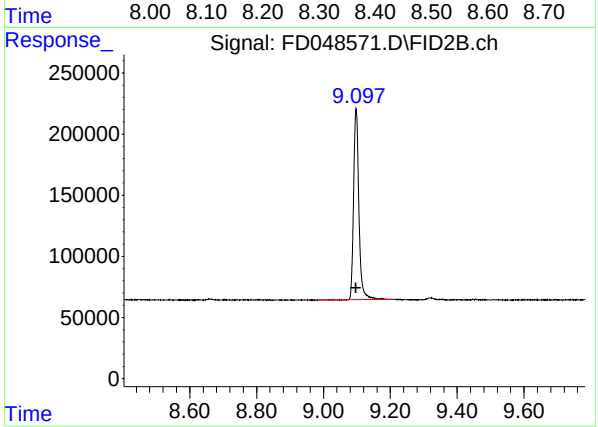
#6 2-Flurobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: 0.000 min
Response: 998081
Conc: 9.97 ug/ml



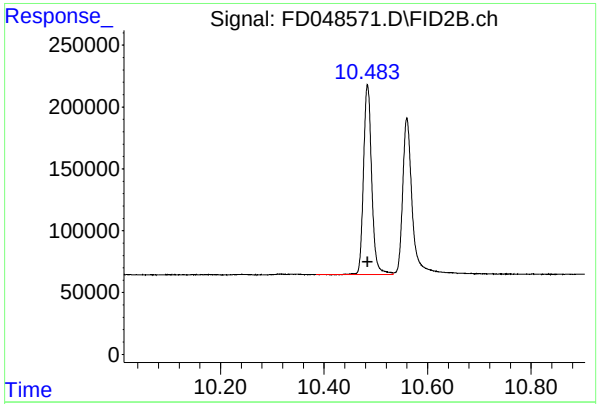
#7 Acenaphthene (C15.5)

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 1838643
Conc: 10.43 ug/ml



#8 Flouorene (C16.55)

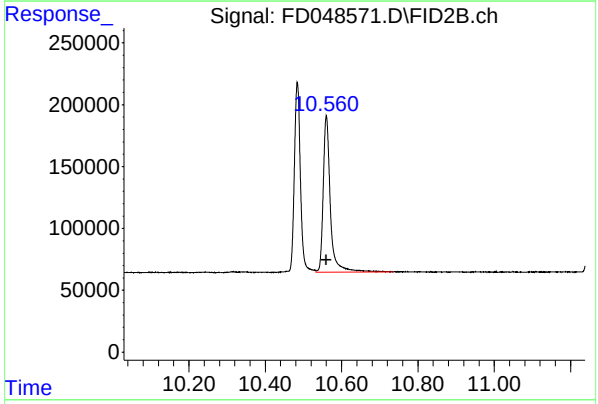
R.T.: 9.098 min
Delta R.T.: 0.000 min
Response: 1719817
Conc: 10.15 ug/ml



#9 Phenanthrene (C19.36)

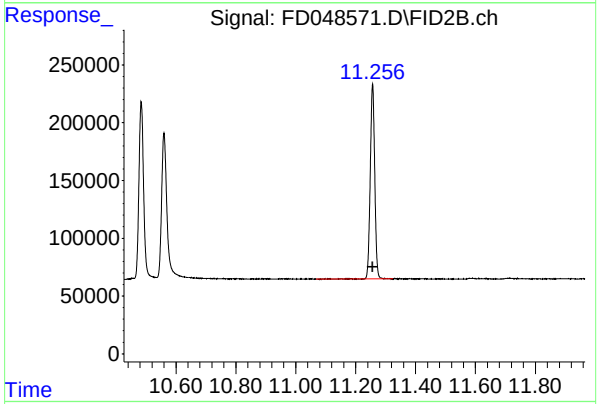
R.T.: 10.484 min
Delta R.T.: 0.000 min
Response: 1680489
Conc: 10.12 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



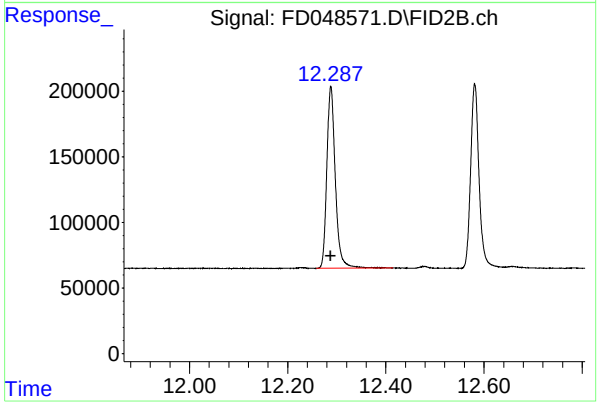
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: 0.000 min
Response: 1635709
Conc: 10.26 ug/ml



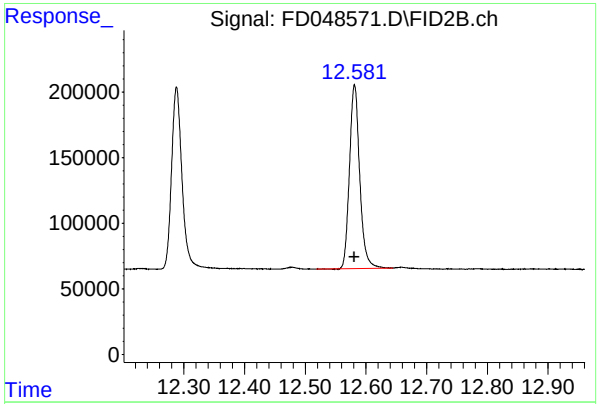
#11 ortho-Terphenyl (SURR)

R.T.: 11.257 min
Delta R.T.: 0.000 min
Response: 1758096
Conc: 10.40 ug/ml



#12 Fluoranthene (C21.85)

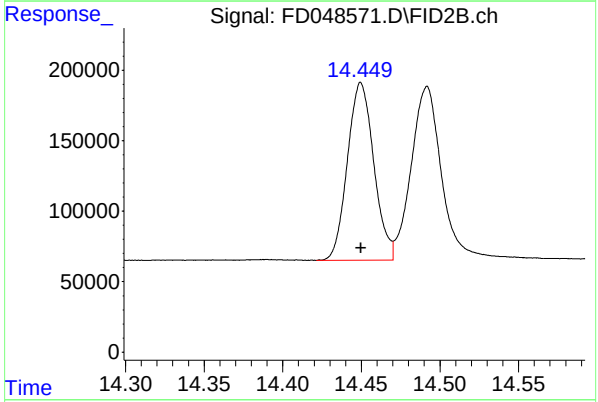
R.T.: 12.288 min
Delta R.T.: 0.000 min
Response: 1671203
Conc: 10.24 ug/ml



#13 Pyrene (C20.8)

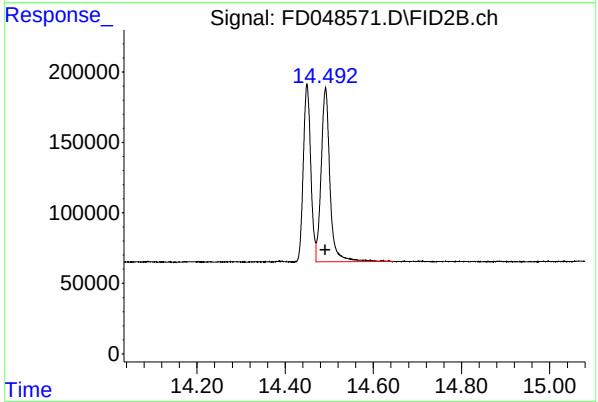
R.T.: 12.581 min
Delta R.T.: 0.000 min
Response: 1639022
Conc: 10.18 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



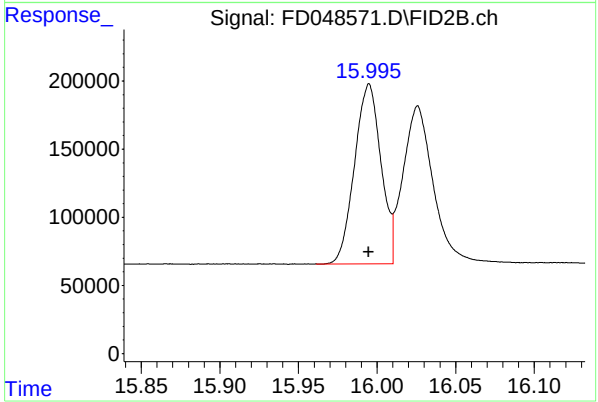
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: 0.000 min
Response: 1472368
Conc: 9.87 ug/ml



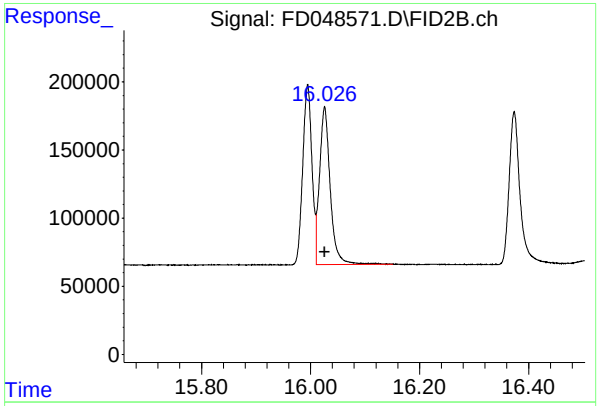
#15 Chrysene (C27.41)

R.T.: 14.491 min
Delta R.T.: 0.000 min
Response: 1725560
Conc: 10.70 ug/ml



#16 benzo[b]fluoranthene (C30.41)

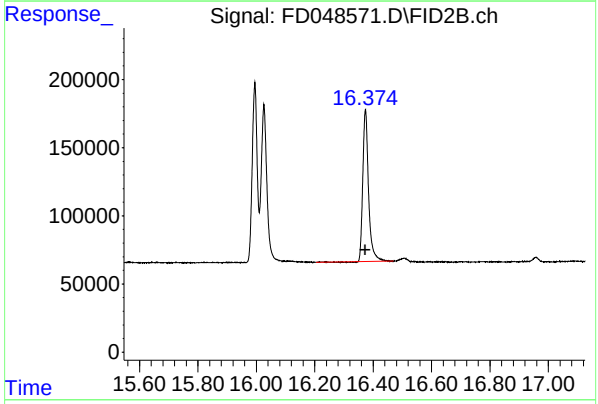
R.T.: 15.995 min
Delta R.T.: 0.000 min
Response: 1544713
Conc: 10.04 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

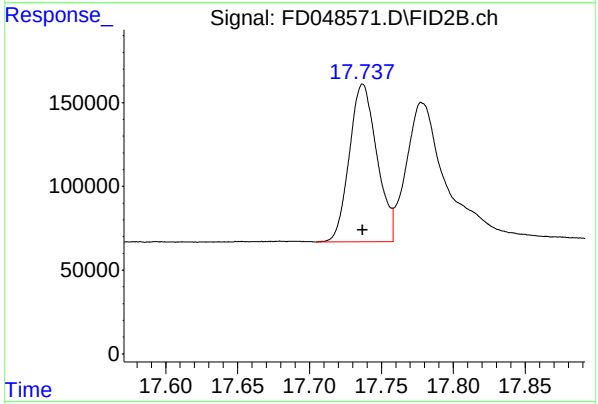
R.T.: 16.026 min
Delta R.T.: 0.000 min
Response: 1579300
Conc: 10.61 ug/ml

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4



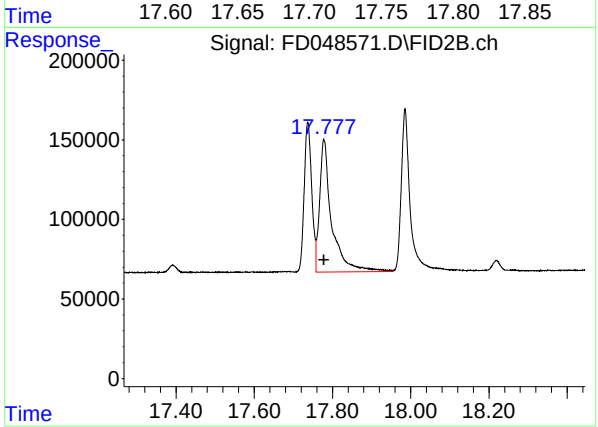
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.374 min
Delta R.T.: 0.000 min
Response: 1518079
Conc: 10.07 ug/ml



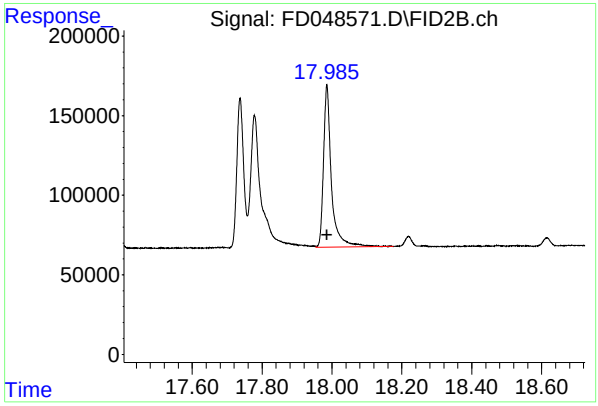
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: 0.000 min
Response: 1259393
Conc: 9.34 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.779 min
Delta R.T.: 0.000 min
Response: 1780079
Conc: 11.21 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.986 min
Delta R.T.: 0.000 mi
Response: 1603528
Conc: 10.46 ug/m

Instrument :
FID_D
ClientSampleId :
10 PPM AROMATIC HC STD4

12

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048571.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:02
Sample : 10 PPM AROMATIC HC STD4
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.196	4.161	4.261	BV	201703	1780007	96.81%	5.205%
2	5.714	5.488	5.858	BB	181375	1822653	99.13%	5.330%
3	6.760	6.701	6.885	BB	175216	1826622	99.35%	5.341%
4	7.373	7.238	7.461	BB	154245	1535833	83.53%	4.491%
5	8.025	7.978	8.145	BB	181606	1809718	98.43%	5.292%
6	8.224	8.155	8.295	BV	87703	998081	54.28%	2.918%
7	8.318	8.295	8.431	VV	180640	1838643	100.00%	5.376%
8	9.098	8.978	9.208	BB	155949	1719817	93.54%	5.029%
9	10.484	10.385	10.533	BV	153275	1680489	91.40%	4.914%
10	10.560	10.533	10.735	VB	125868	1635709	88.96%	4.783%
11	11.257	11.068	11.325	BB	168238	1758096	95.62%	5.141%
12	12.288	12.258	12.415	BB	138726	1671203	90.89%	4.887%
13	12.581	12.518	12.645	BV	140018	1639022	89.14%	4.793%
14	14.450	14.421	14.470	PV	124977	1472368	80.08%	4.305%
15	14.491	14.470	14.645	VB	122848	1725560	93.85%	5.046%
16	15.995	15.961	16.010	BV	131640	1544713	84.01%	4.517%
17	16.026	16.010	16.151	VB	114804	1579300	85.89%	4.618%
18	16.374	16.205	16.468	BV	111460	1518079	82.57%	4.439%
19	17.737	17.705	17.758	BV	94271	1259393	68.50%	3.683%
20	17.779	17.758	17.955	VV	83223	1780079	96.81%	5.205%
21	17.986	17.955	18.175	VB	101691	1603528	87.21%	4.689%
			Sum of corrected areas:			34198912		

Aromatic EPH 102324.M Wed Oct 23 18:19:08 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048572.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 23 18:14:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:05 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...	7.375	765966	5.047 ug/ml
Spiked Amount	50.000		Recovery =	10.09%
6) S	2-Flurobiphenyl (SURR)	8.228	453280	4.616 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	9.23%
11) S	ortho-Terphenyl (SURR)	11.257	878976	5.160 ug/ml
Spiked Amount	50.000		Recovery =	10.32%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.197	891941	5.127 ug/ml
2) T	Naphthalene (C11.7)	5.716	882030	4.943 ug/ml
3) T	2-Methylnaphthalene (...	6.762	888953	4.970 ug/ml
5) T	Acenaphthylene (C15.06)	8.026	887785	5.056 ug/ml
7) T	Acenaphthene (C15.5)	8.319	906880	5.113 ug/ml
8) T	Flouorene (C16.55)	9.101	838419	4.960 ug/ml
9) T	Phenanthrene (C19.36)	10.487	812730	4.917 ug/ml
10) T	Anthracene (C19.43)	10.565	809302	5.061 ug/ml
12) T	Fluoranthene (C21.85)	12.291	849157	5.160 ug/ml
13) T	Pyrene (C20.8)	12.583	807675	5.014 ug/ml
14) T	Benzo[a]anthracene (C...	14.453	671281	4.591 ug/ml
15) T	Chrysene (C27.41)	14.493	886842	5.391 ug/ml
16) T	benzo[b]fluoranthene ...	15.998	725025	4.769 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.030	780831	5.195 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.381	746043	4.957 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.744	565150	4.331 ug/ml
20) T	Dibenz[a,h]anthracene...	17.787	892102	5.482 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.990	761556	4.974 ug/ml

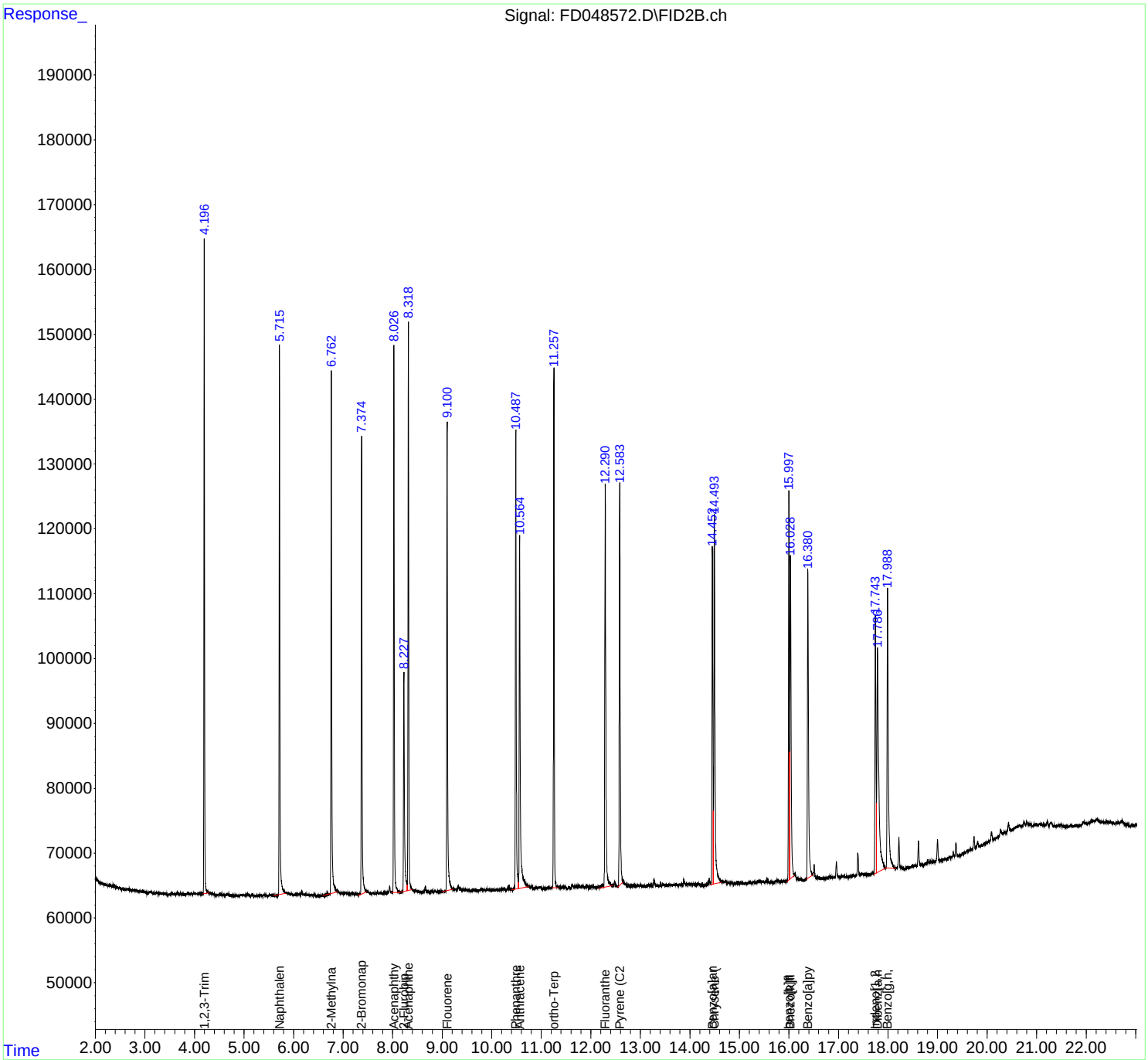
(f)=RT Delta > 1/2 Window (m)=manual int.

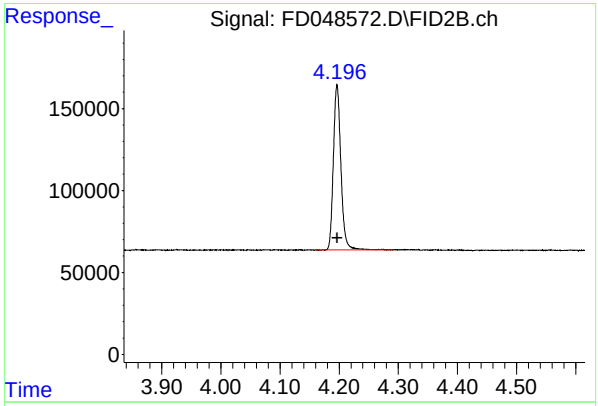
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048572.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:38
Operator : YP/AJ
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

Integration File: autoint1.e
Quant Time: Oct 23 18:14:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:05 2024
Response via : Initial Calibration
Integrator: ChemStation

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

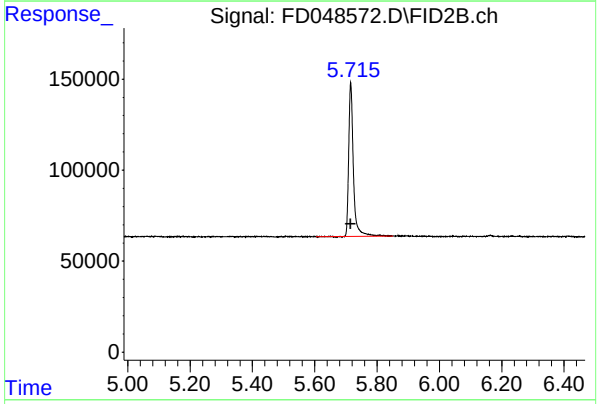




#1 1,2,3-Trimethylbenzene (C10.1)

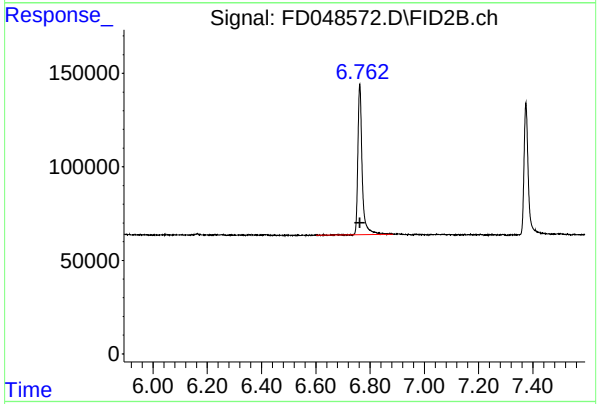
R.T.: 4.197 min
Delta R.T.: 0.000 min
Response: 891941
Conc: 5.13 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



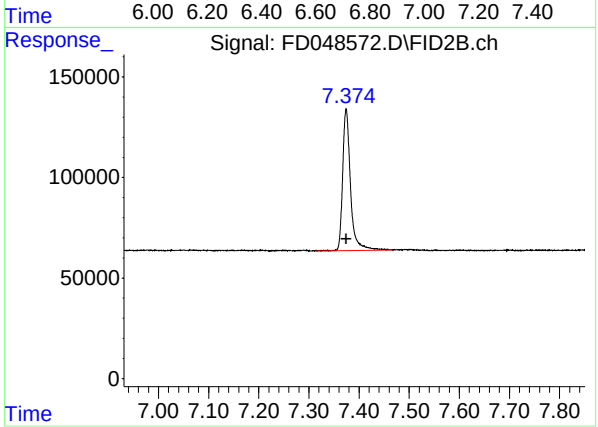
#2 Naphthalene (C11.7)

R.T.: 5.716 min
Delta R.T.: 0.000 min
Response: 882030
Conc: 4.94 ug/ml



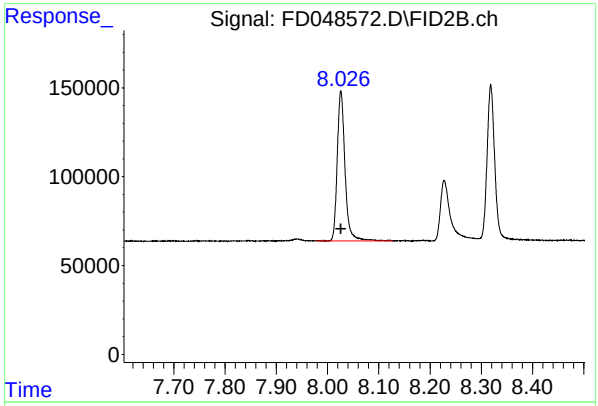
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: 0.000 min
Response: 888953
Conc: 4.97 ug/ml



#4 2-Bromonaphthalene (SURR)

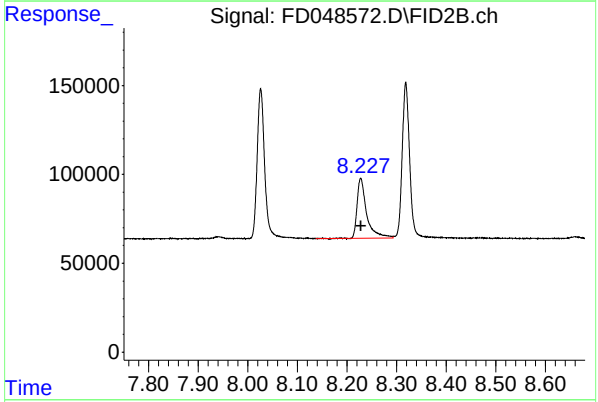
R.T.: 7.375 min
Delta R.T.: 0.000 min
Response: 765966
Conc: 5.05 ug/ml



#5 Acenaphthylene (C15.06)

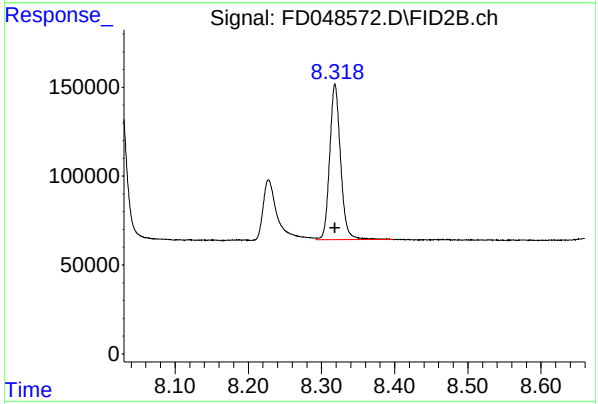
R.T.: 8.026 min
Delta R.T.: 0.000 min
Response: 887785
Conc: 5.06 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



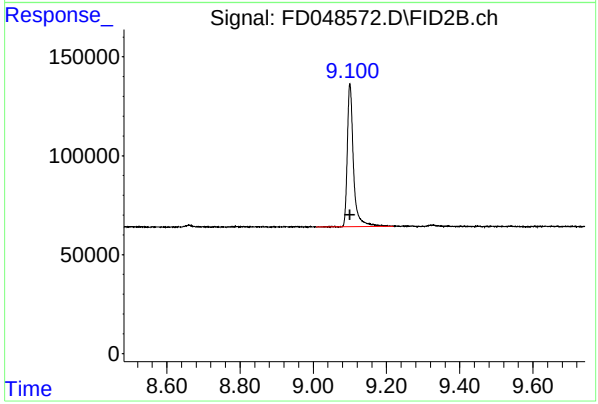
#6 2-Flurobiphenyl (SURR)

R.T.: 8.228 min
Delta R.T.: 0.000 min
Response: 453280
Conc: 4.62 ug/ml



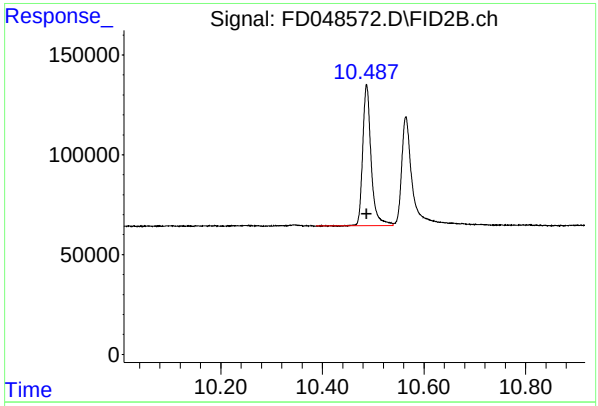
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 906880
Conc: 5.11 ug/ml



#8 Flouorene (C16.55)

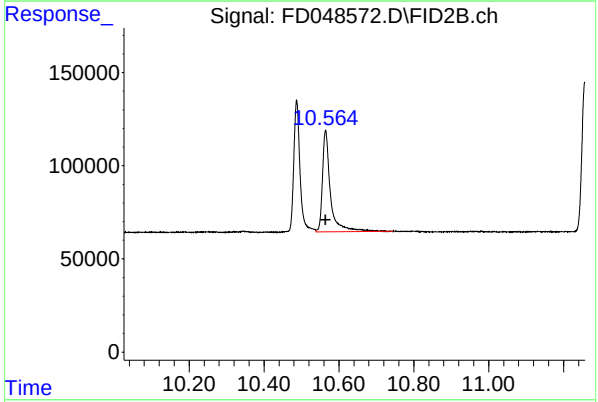
R.T.: 9.101 min
Delta R.T.: 0.000 min
Response: 838419
Conc: 4.96 ug/ml



#9 Phenanthrene (C19.36)

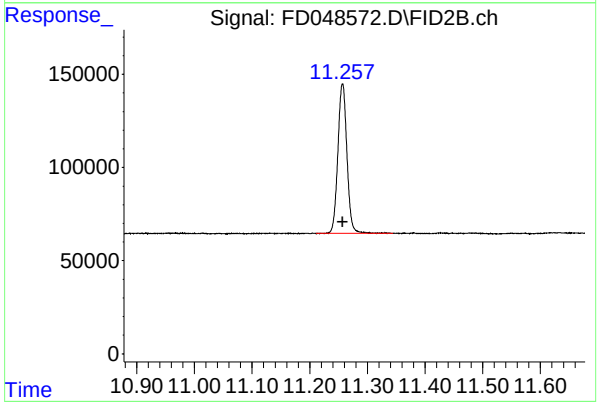
R.T.: 10.487 min
Delta R.T.: 0.000 min
Response: 812730
Conc: 4.92 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



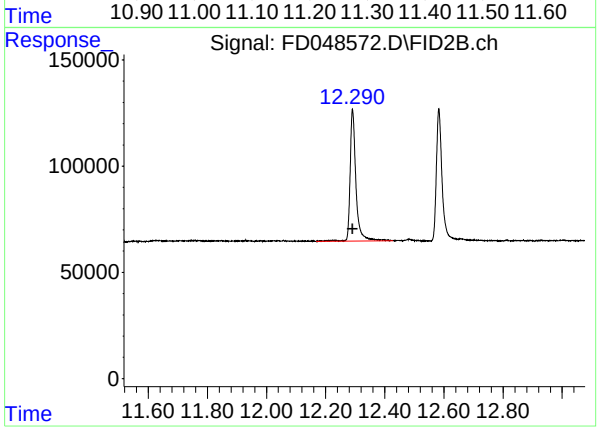
#10 Anthracene (C19.43)

R.T.: 10.565 min
Delta R.T.: 0.000 min
Response: 809302
Conc: 5.06 ug/ml



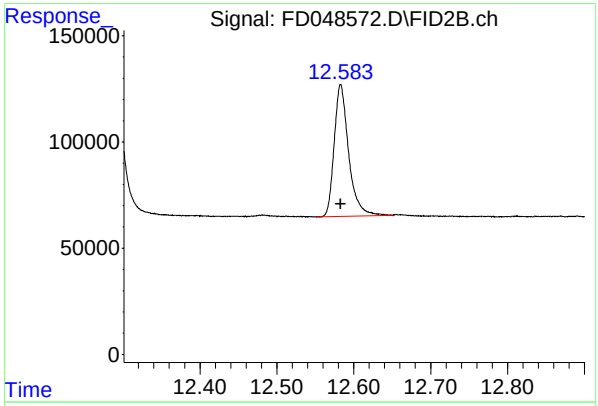
#11 ortho-Terphenyl (SURR)

R.T.: 11.257 min
Delta R.T.: 0.000 min
Response: 878976
Conc: 5.16 ug/ml



#12 Fluoranthene (C21.85)

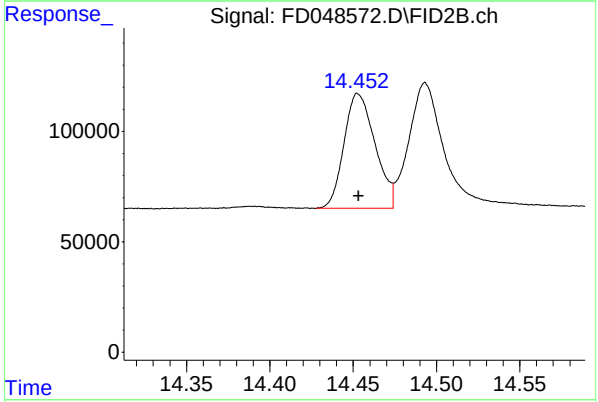
R.T.: 12.291 min
Delta R.T.: 0.000 min
Response: 849157
Conc: 5.16 ug/ml



#13 Pyrene (C20.8)

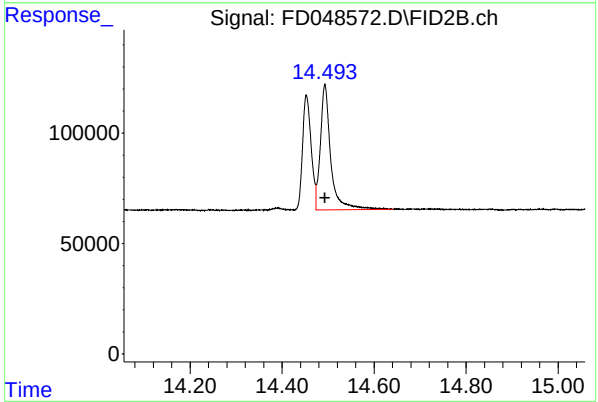
R.T.: 12.583 min
Delta R.T.: 0.000 min
Response: 807675
Conc: 5.01 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



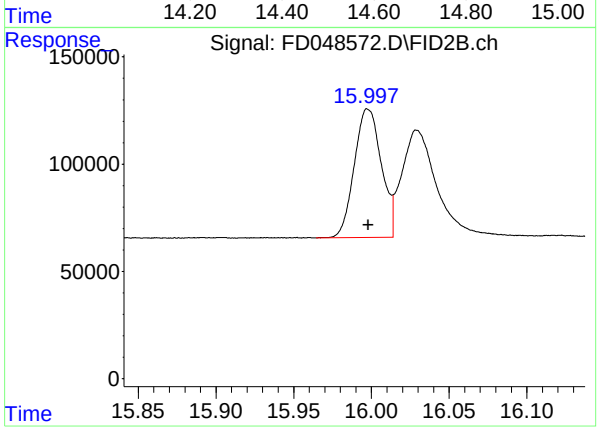
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.453 min
Delta R.T.: 0.000 min
Response: 671281
Conc: 4.59 ug/ml



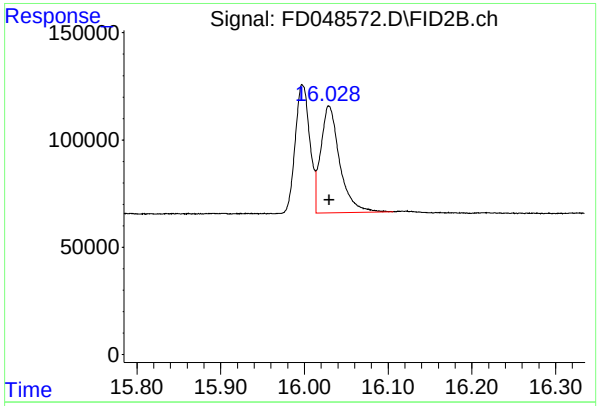
#15 Chrysene (C27.41)

R.T.: 14.493 min
Delta R.T.: 0.000 min
Response: 886842
Conc: 5.39 ug/ml



#16 benzo[b]fluoranthene (C30.41)

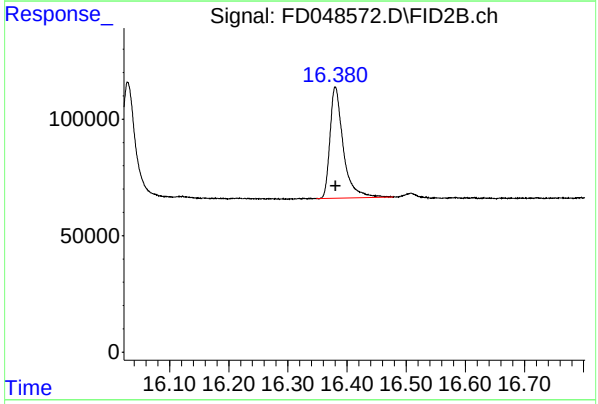
R.T.: 15.998 min
Delta R.T.: 0.000 min
Response: 725025
Conc: 4.77 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

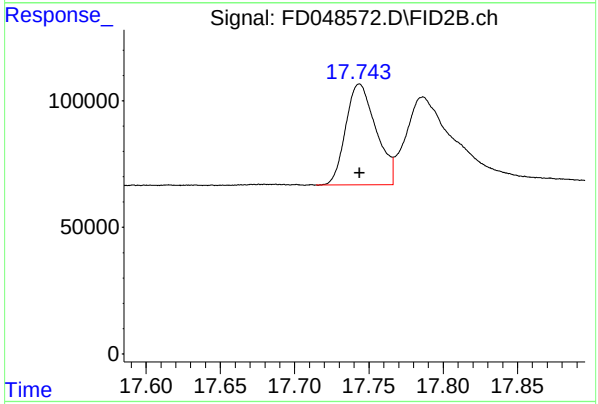
R.T.: 16.030 min
Delta R.T.: 0.000 min
Response: 780831
Conc: 5.20 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5



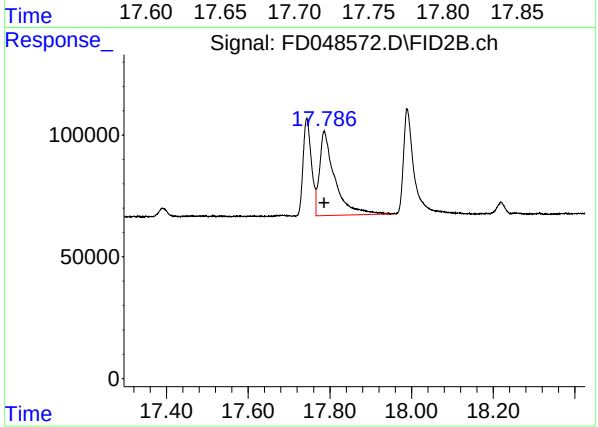
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.381 min
Delta R.T.: 0.000 min
Response: 746043
Conc: 4.96 ug/ml



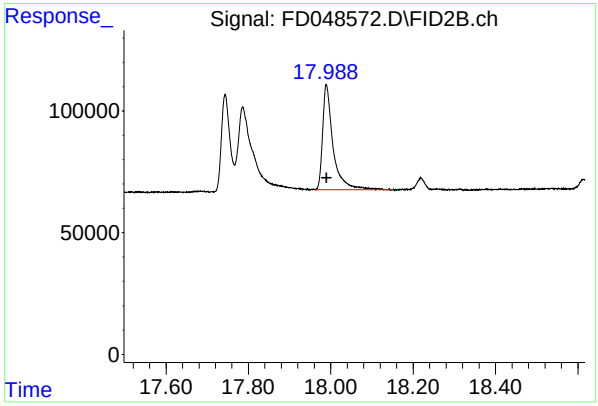
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.744 min
Delta R.T.: 0.000 min
Response: 565150
Conc: 4.33 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.787 min
Delta R.T.: 0.000 min
Response: 892102
Conc: 5.48 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.:	17.990 min
Delta R.T.:	0.000 min
Response:	761556
Conc:	4.97 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM AROMATIC HC STD5

12

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048572.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 17:38
Sample : 5 PPM AROMATIC HC STD5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.197	4.161	4.291	BB	99856	891941	98.35%	5.340%
2	5.716	5.604	5.851	BB	84500	882030	97.26%	5.281%
3	6.762	6.601	6.884	BB	80288	888953	98.02%	5.322%
4	7.375	7.314	7.468	BB	70282	765966	84.46%	4.586%
5	8.026	7.978	8.128	BB	83372	887785	97.89%	5.315%
6	8.228	8.138	8.293	BV	33723	453280	49.98%	2.714%
7	8.319	8.293	8.398	VB	87190	906880	100.00%	5.430%
8	9.101	9.008	9.218	BB	71759	838419	92.45%	5.020%
9	10.487	10.388	10.539	BV	70612	812730	89.62%	4.866%
10	10.565	10.539	10.744	VB	54403	809302	89.24%	4.846%
11	11.257	11.211	11.344	BB	80592	878976	96.92%	5.263%
12	12.291	12.168	12.428	BB	61860	849157	93.64%	5.084%
13	12.583	12.551	12.651	BV	61467	807675	89.06%	4.836%
14	14.453	14.428	14.474	PV	51289	671281	74.02%	4.019%
15	14.493	14.474	14.641	VB	56549	886842	97.79%	5.310%
16	15.998	15.964	16.014	BV	60013	725025	79.95%	4.341%
17	16.030	16.014	16.106	VV	49388	780831	86.10%	4.675%
18	16.381	16.348	16.478	BV	47621	746043	82.26%	4.467%
19	17.744	17.714	17.766	BV	39855	565150	62.32%	3.384%
20	17.787	17.766	17.954	VB	34397	892102	98.37%	5.341%
21	17.990	17.964	18.151	BB	42474	761556	83.98%	4.560%
			Sum of corrected areas:			16701921		

Aromatic EPH 102324.M Wed Oct 23 18:19:26 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048573.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 23 18:50:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 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...	7.372	3035391	19.999 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
6) S	2-Flurobiphenyl (SURR)	8.222	2009011	20.460 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	40.92%
11) S	ortho-Terphenyl (SURR)	11.258	3418196	20.067 ug/ml
Spiked Amount	50.000		Recovery =	40.13%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.195	3511974	20.187 ug/ml
2) T	Naphthalene (C11.7)	5.713	3621999	20.299 ug/ml
3) T	2-Methylnaphthalene (...	6.760	3629138	20.290 ug/ml
5) T	Acenaphthylene (C15.06)	8.025	3549708	20.216 ug/ml
7) T	Acenaphthene (C15.5)	8.319	3566386	20.108 ug/ml
8) T	Flouorene (C16.55)	9.098	3449130	20.405 ug/ml
9) T	Phenanthrene (C19.36)	10.485	3337748	20.191 ug/ml
10) T	Anthracene (C19.43)	10.560	3166872	19.804 ug/ml
12) T	Fluoranthene (C21.85)	12.288	3304952	20.082 ug/ml
13) T	Pyrene (C20.8)	12.581	3231023	20.059 ug/ml
14) T	Benzo[a]anthracene (C...	14.450	2986450	20.425 ug/ml
15) T	Chrysene (C27.41)	14.492	3268283	19.869 ug/ml
16) T	benzo[b]fluoranthene ...	15.997	3076351	20.235 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.029	3007230	20.008 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.372	3055729	20.304 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.737	2639364	20.228 ug/ml
20) T	Dibenz[a,h]anthracene...	17.776	3309486	20.337 ug/ml
21) T	Benzo[g,h,i]perylene ...	17.987	3030209	19.793 ug/ml

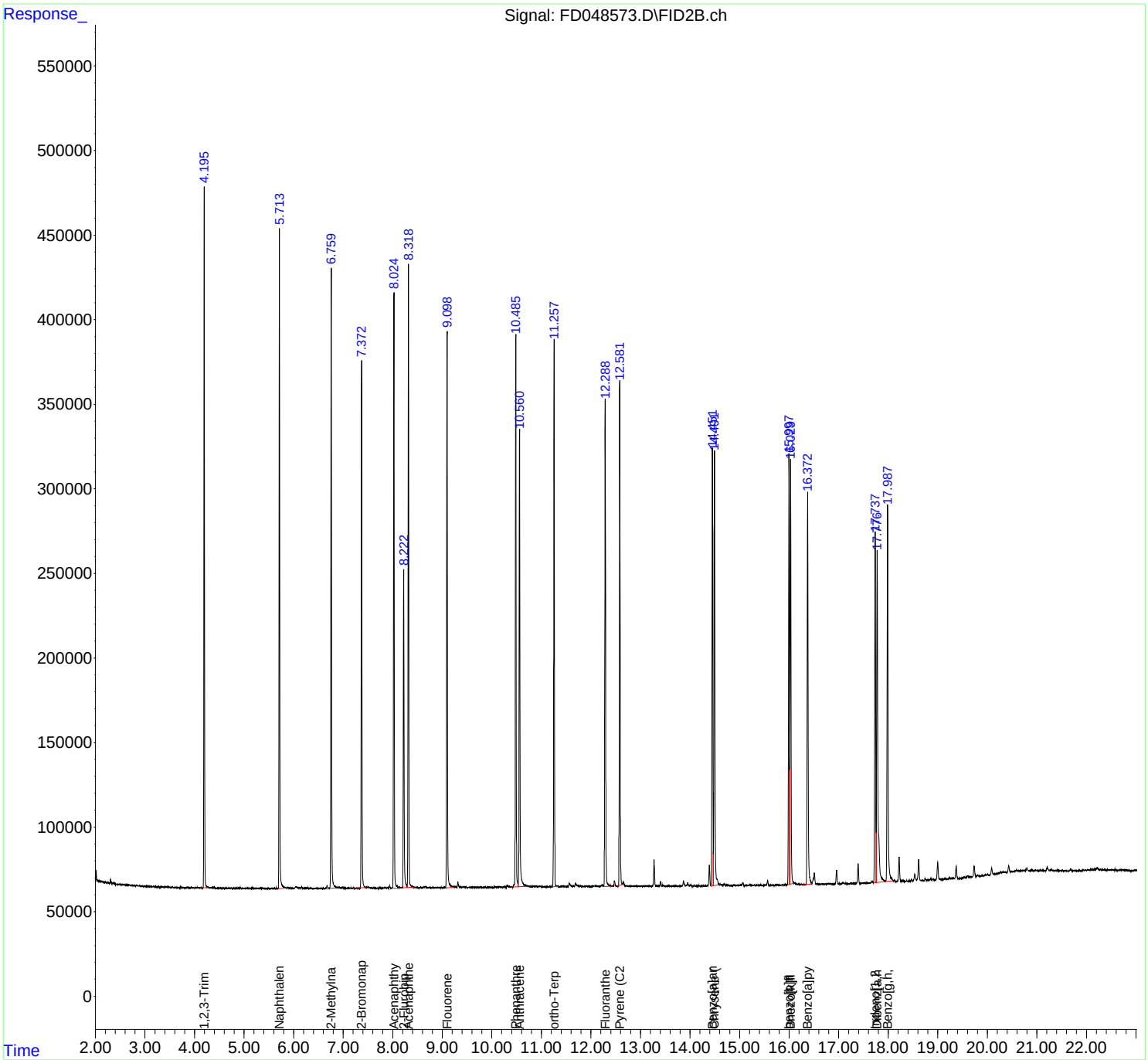
(f)=RT Delta > 1/2 Window (m)=manual int.

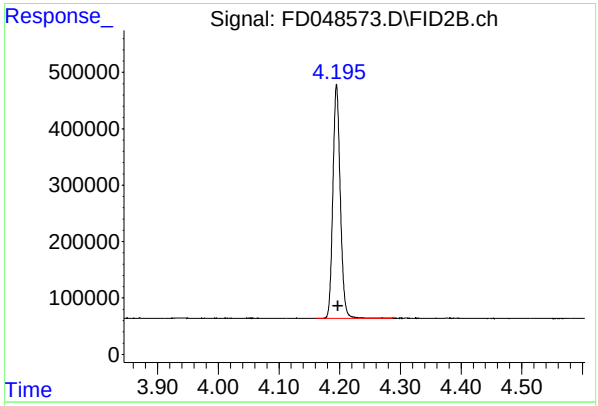
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048573.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 18:14
Operator : YP/AJ
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Oct 23 18:50:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

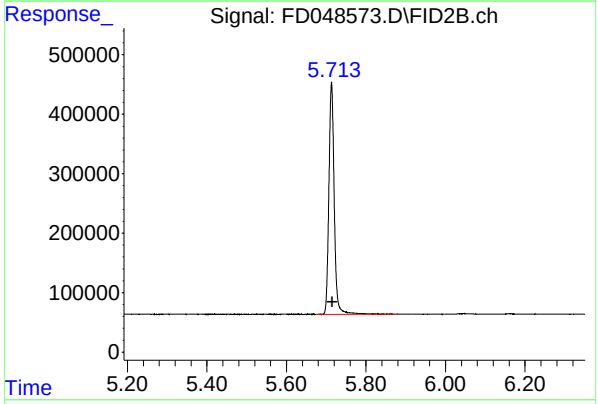




#1 1,2,3-Trimethylbenzene (C10.1)

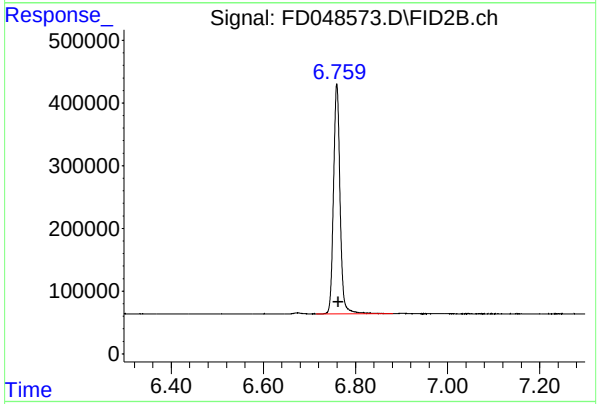
R.T.: 4.195 min
Delta R.T.: -0.002 min
Response: 3511974
Conc: 20.19 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



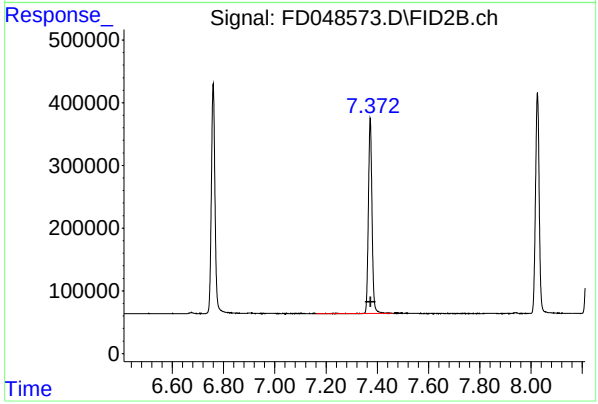
#2 Naphthalene (C11.7)

R.T.: 5.713 min
Delta R.T.: -0.002 min
Response: 3621999
Conc: 20.30 ug/ml



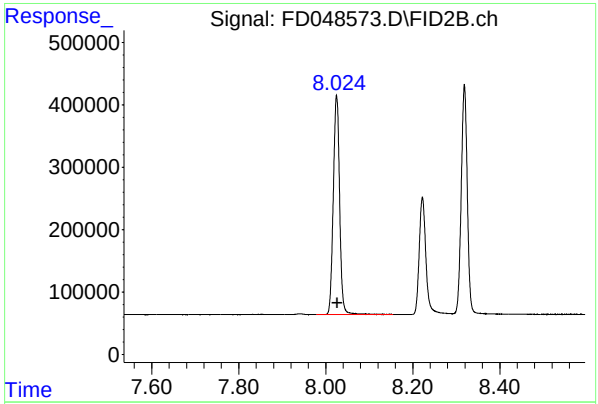
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: -0.003 min
Response: 3629138
Conc: 20.29 ug/ml



#4 2-Bromonaphthalene (SURR)

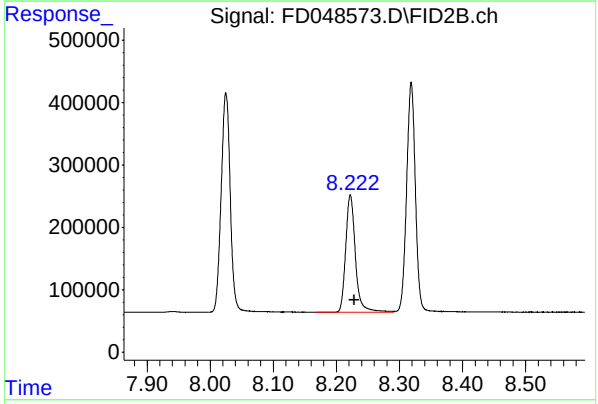
R.T.: 7.372 min
Delta R.T.: -0.002 min
Response: 3035391
Conc: 20.00 ug/ml



#5 Acenaphthylene (C15.06)

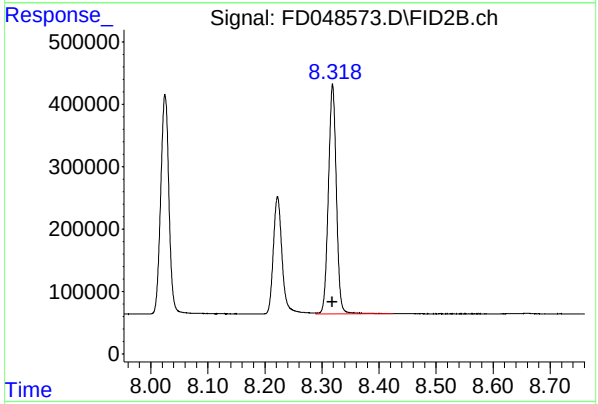
R.T.: 8.025 min
Delta R.T.: -0.001 min
Response: 3549708
Conc: 20.22 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



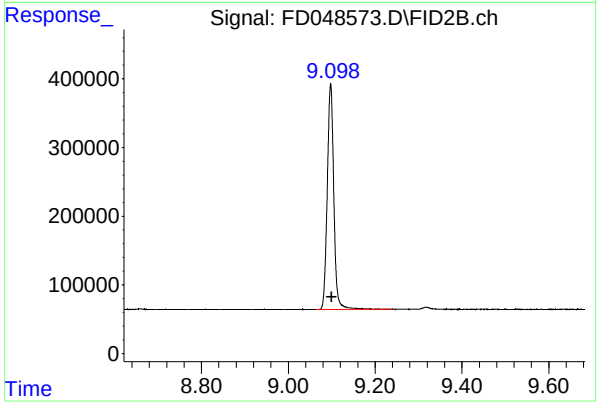
#6 2-Flurobiphenyl (SURR)

R.T.: 8.222 min
Delta R.T.: -0.006 min
Response: 2009011
Conc: 20.46 ug/ml



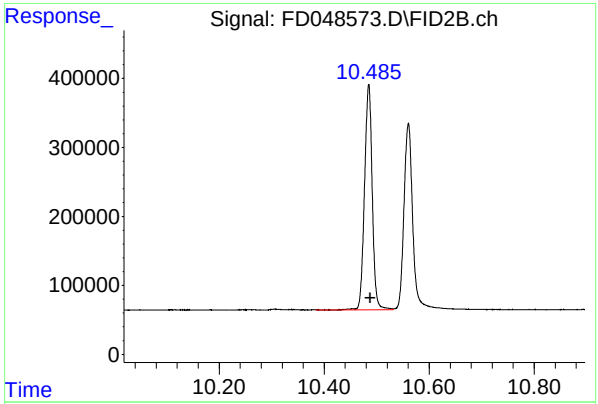
#7 Acenaphthene (C15.5)

R.T.: 8.319 min
Delta R.T.: 0.000 min
Response: 3566386
Conc: 20.11 ug/ml



#8 Flouorene (C16.55)

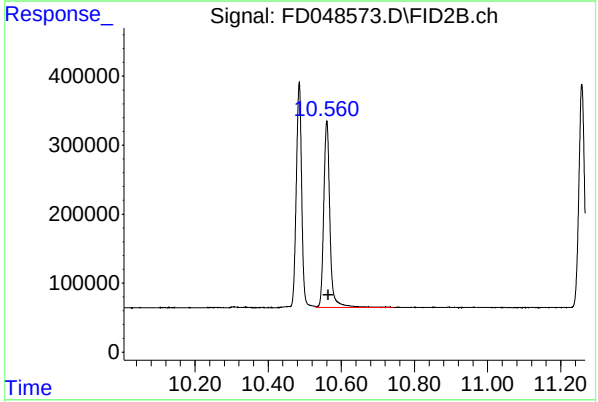
R.T.: 9.098 min
Delta R.T.: -0.003 min
Response: 3449130
Conc: 20.40 ug/ml



#9 Phenanthrene (C19.36)

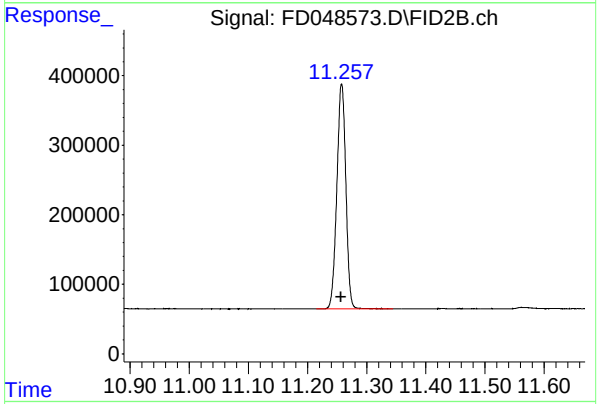
R.T.: 10.485 min
Delta R.T.: -0.003 min
Response: 3337748
Conc: 20.19 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



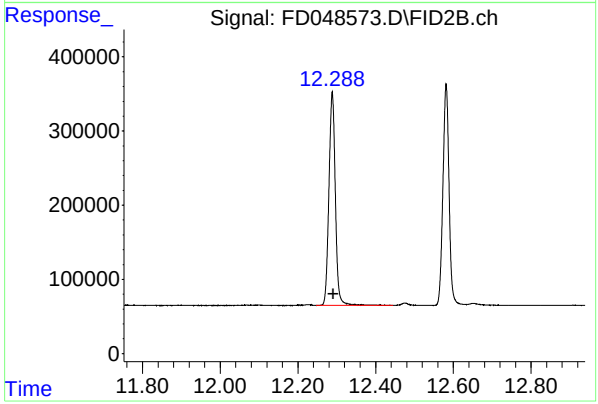
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: -0.004 min
Response: 3166872
Conc: 19.80 ug/ml



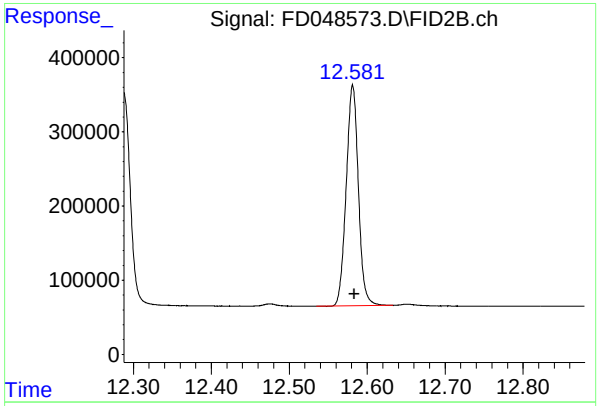
#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: 0.000 min
Response: 3418196
Conc: 20.07 ug/ml



#12 Fluoranthene (C21.85)

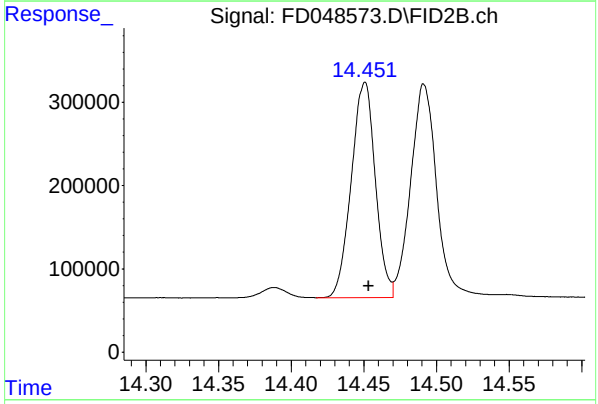
R.T.: 12.288 min
Delta R.T.: -0.003 min
Response: 3304952
Conc: 20.08 ug/ml



#13 Pyrene (C20.8)

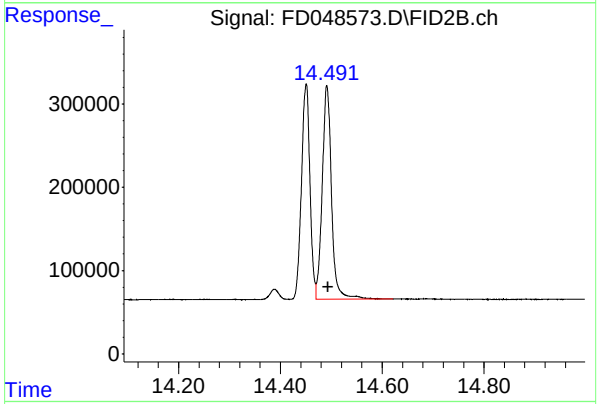
R.T.: 12.581 min
Delta R.T.: -0.002 min
Response: 3231023
Conc: 20.06 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



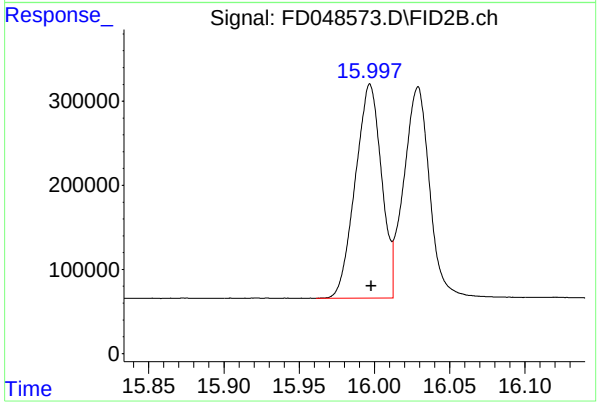
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: -0.003 min
Response: 2986450
Conc: 20.42 ug/ml



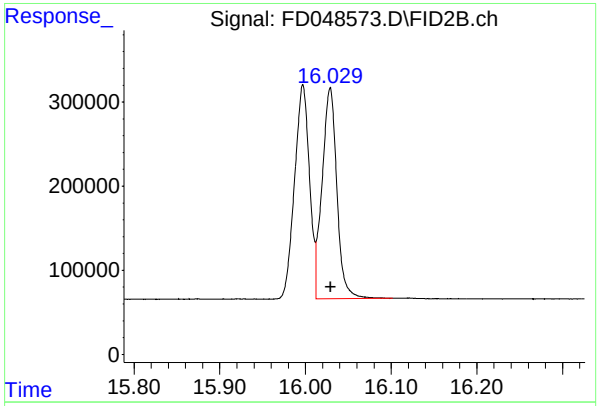
#15 Chrysene (C27.41)

R.T.: 14.492 min
Delta R.T.: -0.002 min
Response: 3268283
Conc: 19.87 ug/ml



#16 benzo[b]fluoranthene (C30.41)

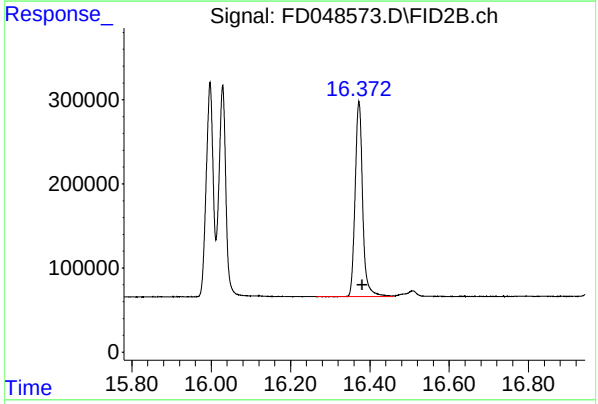
R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 3076351
Conc: 20.24 ug/ml



#17 Bnezo[k]fluoranthene (C30.14)

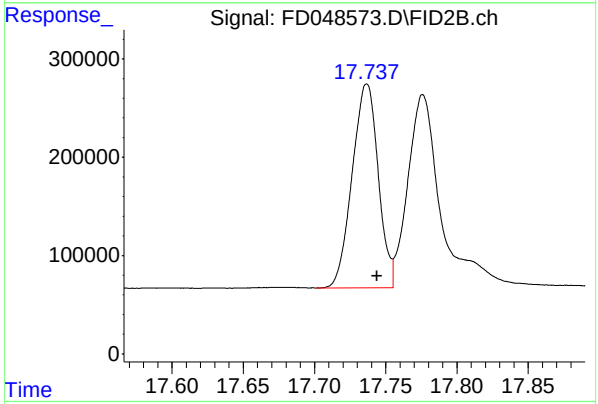
R.T.: 16.029 min
Delta R.T.: 0.000 min
Response: 3007230
Conc: 20.01 ug/ml

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV



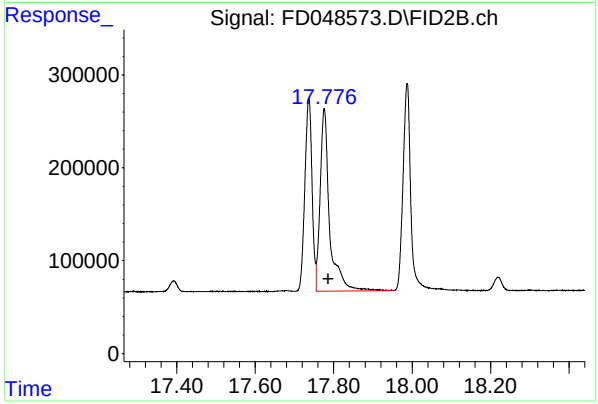
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.372 min
Delta R.T.: -0.008 min
Response: 3055729
Conc: 20.30 ug/ml



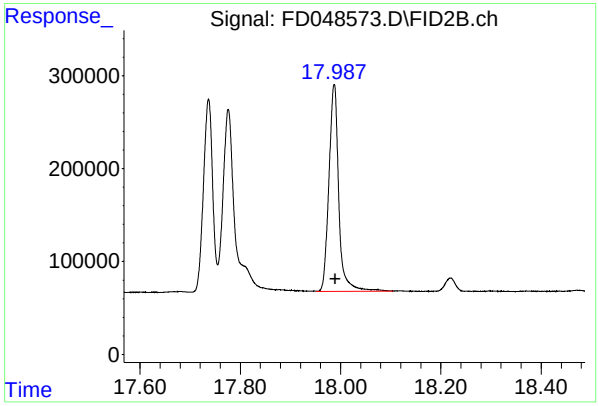
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: -0.007 min
Response: 2639364
Conc: 20.23 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.776 min
Delta R.T.: -0.011 min
Response: 3309486
Conc: 20.34 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 17.987 min
Delta R.T.: -0.003 mi
Response: 3030209
Conc: 19.79 ug/m

Instrument :
FID_D
ClientSampleId :
20 PPM AROMATIC HC STD ICV

12

A B C D E F G H I J

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102324AR\
Data File : FD048573.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 18:14
Sample : 20 PPM AROMATIC HC STD ICV
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.195	4.161	4.288	BB	411534	3511974	96.77%	5.226%
2	5.713	5.674	5.868	BB	387327	3621999	99.80%	5.390%
3	6.760	6.714	6.881	BV	365701	3629138	100.00%	5.400%
4	7.372	7.161	7.461	BB	308815	3035391	83.64%	4.517%
5	8.025	7.978	8.154	BB	351890	3549708	97.81%	5.282%
6	8.222	8.168	8.290	BV	187045	2009011	55.36%	2.989%
7	8.319	8.290	8.424	VB	365720	3566386	98.27%	5.307%
8	9.098	9.064	9.241	PB	328779	3449130	95.04%	5.132%
9	10.485	10.384	10.531	BV	326000	3337748	91.97%	4.967%
10	10.560	10.531	10.741	VB	271677	3166872	87.26%	4.712%
11	11.258	11.214	11.344	BB	324343	3418196	94.19%	5.086%
12	12.288	12.247	12.444	PB	286640	3304952	91.07%	4.918%
13	12.581	12.534	12.633	BV	297215	3231023	89.03%	4.808%
14	14.450	14.417	14.470	VV	260406	2986450	82.29%	4.444%
15	14.492	14.470	14.621	VB	257062	3268283	90.06%	4.863%
16	15.997	15.961	16.012	BV	254462	3076351	84.77%	4.578%
17	16.029	16.012	16.102	VV	249107	3007230	82.86%	4.475%
18	16.372	16.264	16.458	BV	231238	3055729	84.20%	4.547%
19	17.737	17.701	17.755	BV	208961	2639364	72.73%	3.927%
20	17.776	17.755	17.951	VV	196335	3309486	91.19%	4.924%
21	17.987	17.951	18.104	VV	224512	3030209	83.50%	4.509%
			Sum of corrected areas:			67204630		

Aromatic EPH 102324.M Wed Oct 23 18:51:40 2024

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

Continuing Calibration Report for SequenceID : FC102224AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067484.D**						
Aliphatic C9-C12	7061530.000	60.000	3.175	6.455	117692.167	128354.488	8.307
Aliphatic C12-C16	4662702.000	40.000	6.456	9.845	116567.550	130957.677	10.988
Aliphatic C16-C21	6773563.000	60.000	9.846	13.203	112892.717	131476.102	14.134
Aliphatic C21-C28	9096898.000	80.000	13.204	16.857	113711.225	126823.664	10.339
Aliphatic C28-C40	11940513.000	120.000	16.858	21.701	99504.275	105215.848	5.428
Aliphatic EPH	39535206.000	360.000	3.175	21.701	109820.017	121110.937	9.323

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	22 Oct 2024 12:09
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067484.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.175	6.455	7061530.000	60.000	ug/ml
Aliphatic C12-C16	6.456	9.845	4662702.000	40.000	ug/ml
Aliphatic C16-C21	9.846	13.203	6773563.000	60.000	ug/ml
Aliphatic C21-C28	13.204	16.857	9096898.000	80.000	ug/ml
Aliphatic C28-C40	16.858	21.701	11940513.000	120.000	ug/ml
Aliphatic EPH	3.175	21.701	39535206.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC102224AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067497.D**						
Aliphatic C9-C12	7120345.000	60.000	3.175	6.455	118672.417	128354.488	7.543
Aliphatic C12-C16	4707454.000	40.000	6.456	9.845	117686.350	130957.677	10.134
Aliphatic C16-C21	6832576.000	60.000	9.846	13.203	113876.267	131476.102	13.386
Aliphatic C21-C28	9183247.000	80.000	13.204	16.857	114790.588	126823.664	9.488
Aliphatic C28-C40	12317337.000	120.000	16.858	21.701	102644.475	105215.848	2.444
Aliphatic EPH	40160959.000	360.000	3.175	21.701	111558.219	121110.937	7.888

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	23 Oct 2024 08:30
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067497.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.175	6.455	7120345.000	60.000	ug/ml
Aliphatic C12-C16	6.456	9.845	4707454.000	40.000	ug/ml
Aliphatic C16-C21	9.846	13.203	6832576.000	60.000	ug/ml
Aliphatic C21-C28	13.204	16.857	9183247.000	80.000	ug/ml
Aliphatic C28-C40	16.858	21.701	12317337.000	120.000	ug/ml
Aliphatic EPH	3.175	21.701	40160959.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FC102224AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067503.D**						
Aliphatic C9-C12	7278914.000	60.000	3.175	6.455	121315.233	128354.488	5.484
Aliphatic C12-C16	4776060.000	40.000	6.456	9.845	119401.500	130957.677	8.824
Aliphatic C16-C21	6956163.000	60.000	9.846	13.203	115936.050	131476.102	11.820
Aliphatic C21-C28	9397788.000	80.000	13.204	16.857	117472.350	126823.664	7.373
Aliphatic C28-C40	12533926.000	120.000	16.858	21.701	104449.383	105215.848	0.728
Aliphatic EPH	40942851.000	360.000	3.175	21.701	113730.142	121110.937	6.094

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC	Acq On:	23 Oct 2024 13:22
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067503.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.175	6.455	7278914.000	60.000	ug/ml
Aliphatic C12-C16	6.456	9.845	4776060.000	40.000	ug/ml
Aliphatic C16-C21	9.846	13.203	6956163.000	60.000	ug/ml
Aliphatic C21-C28	13.204	16.857	9397788.000	80.000	ug/ml
Aliphatic C28-C40	16.858	21.701	12533926.000	120.000	ug/ml
Aliphatic EPH	3.175	21.701	40942851.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FC102424AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067516.D**						
Aliphatic C9-C12	7891359.000	60.000	3.174	6.454	131522.650	135469.641	2.914
Aliphatic C12-C16	5116825.000	40.000	6.455	9.844	127920.625	131681.730	2.856
Aliphatic C16-C21	7443152.000	60.000	9.845	13.202	124052.533	127235.092	2.501
Aliphatic C21-C28	9423790.000	80.000	13.203	16.857	117797.375	120090.398	1.909
Aliphatic C28-C40	12056218.000	120.000	16.858	21.703	100468.483	101093.195	0.618
Aliphatic EPH	41931344.000	360.000	3.174	21.703	116475.956	118799.912	1.956

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Fax : 908 789 8922

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	24 Oct 2024 10:41
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067516.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.174	6.454	7891359.000	60.000	ug/ml
Aliphatic C12-C16	6.455	9.844	5116825.000	40.000	ug/ml
Aliphatic C16-C21	9.845	13.202	7443152.000	60.000	ug/ml
Aliphatic C21-C28	13.203	16.857	9423790.000	80.000	ug/ml
Aliphatic C28-C40	16.858	21.703	12056218.000	120.000	ug/ml
Aliphatic EPH	3.174	21.703	41931344.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FC102424AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC067522.D**						
Aliphatic C9-C12	8032920.000	60.000	3.174	6.454	133882.000	135469.641	1.172
Aliphatic C12-C16	5187653.000	40.000	6.455	9.844	129691.325	131681.730	1.512
Aliphatic C16-C21	7523928.000	60.000	9.845	13.202	125398.800	127235.092	1.443
Aliphatic C21-C28	9556657.000	80.000	13.203	16.857	119458.213	120090.398	0.526
Aliphatic C28-C40	12426370.000	120.000	16.858	21.703	103553.083	101093.195	-2.433
Aliphatic EPH	42727528.000	360.000	3.174	21.703	118687.578	118799.912	0.095

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

Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	24 Oct 2024 14:38
Client Sample ID:		Operator:	YP/AJ
Data file:	FC067522.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.174	6.454	8032920.000	60.000	ug/ml
Aliphatic C12-C16	6.455	9.844	5187653.000	40.000	ug/ml
Aliphatic C16-C21	9.845	13.202	7523928.000	60.000	ug/ml
Aliphatic C21-C28	13.203	16.857	9556657.000	80.000	ug/ml
Aliphatic C28-C40	16.858	21.703	12426370.000	120.000	ug/ml
Aliphatic EPH	3.174	21.703	42727528.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FD102224AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048547.D**						
Aromatic C10-C12	7943019.000	40.000	4.096	5.814	198575.475	180984.840	-9.719
Aromatic C12-C16	11857455.000	60.000	5.815	8.420	197624.250	189995.313	-4.015
Aromatic C16-C21	14282295.000	80.000	8.421	12.681	178528.688	178728.230	0.112
Aromatic C21-C36	30751520.000	180.000	12.682	18.086	170841.778	165360.750	-3.315
Aromatic EPH	64834289.000	360.000	4.096	18.086	180095.247	174173.072	-3.400

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	22 Oct 2024 12:09
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048547.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.096	5.814	7943019.000	40.000	ug/ml
Aromatic C12-C16	5.815	8.420	11857455.000	60.000	ug/ml
Aromatic C16-C21	8.421	12.681	14282295.000	80.000	ug/ml
Aromatic C21-C36	12.682	18.086	30751520.000	180.000	ug/ml
Aromatic EPH	4.096	18.086	64834289.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD102224AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048560.D**						
Aromatic C10-C12	8157685.000	40.000	4.096	5.814	203942.125	180984.840	-12.685
Aromatic C12-C16	12219474.000	60.000	5.815	8.420	203657.900	189995.313	-7.191
Aromatic C16-C21	14694945.000	80.000	8.421	12.681	183686.813	178728.230	-2.774
Aromatic C21-C36	31489467.000	180.000	12.682	18.086	174941.483	165360.750	-5.794
Aromatic EPH	66561571.000	360.000	4.096	18.086	184893.253	174173.072	-6.155

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	23 Oct 2024 08:30
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048560.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.096	5.814	8157685.000	40.000	ug/ml
Aromatic C12-C16	5.815	8.420	12219474.000	60.000	ug/ml
Aromatic C16-C21	8.421	12.681	14694945.000	80.000	ug/ml
Aromatic C21-C36	12.682	18.086	31489467.000	180.000	ug/ml
Aromatic EPH	4.096	18.086	66561571.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD102424AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048578.D**						
Aromatic C10-C12	7282027.000	40.000	4.095	5.813	182050.675	176202.694	-3.319
Aromatic C12-C16	10947020.000	60.000	5.814	8.419	182450.333	177273.493	-2.920
Aromatic C16-C21	13483086.000	80.000	8.420	12.681	168538.575	163832.550	-2.872
Aromatic C21-C36	28447129.000	180.000	12.682	18.087	158039.606	152713.153	-3.488
Aromatic EPH	60159262.000	360.000	4.095	18.087	167109.061	161887.469	-3.225

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	24 Oct 2024 10:41
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048578.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.095	5.813	7282027.000	40.000	ug/ml
Aromatic C12-C16	5.814	8.419	10947020.000	60.000	ug/ml
Aromatic C16-C21	8.420	12.681	13483086.000	80.000	ug/ml
Aromatic C21-C36	12.682	18.087	28447129.000	180.000	ug/ml
Aromatic EPH	4.095	18.087	60159262.000	360.000	ug/ml

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

Continuing Calibration Report for SequenceID : FD102424AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD048584.D**						
Aromatic C10-C12	6996046.000	40.000	4.095	5.813	174901.150	176202.694	0.739
Aromatic C12-C16	10520876.000	60.000	5.814	8.419	175347.933	177273.493	1.086
Aromatic C16-C21	12885484.000	80.000	8.420	12.681	161068.550	163832.550	1.687
Aromatic C21-C36	27316669.000	180.000	12.682	18.087	151759.272	152713.153	0.625
Aromatic EPH	57719075.000	360.000	4.095	18.087	160330.764	161887.469	0.962

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

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	24 Oct 2024 14:38
Client Sample ID:		Operator:	YP/AJ
Data file:	FD048584.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.095	5.813	6996046.000	40.000	ug/ml
Aromatic C12-C16	5.814	8.419	10520876.000	60.000	ug/ml
Aromatic C16-C21	8.420	12.681	12885484.000	80.000	ug/ml
Aromatic C21-C36	12.682	18.087	27316669.000	180.000	ug/ml
Aromatic EPH	4.095	18.087	57719075.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067489.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 03:41
Operator : YP/AJ
Sample : P4460-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-303-TOP

Integration File: autoint1.e
Quant Time: Oct 23 04:51:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 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...	12.935	2835180	25.047 ug/ml
Spiked Amount 50.000		Recovery = 50.09%	
Target Compounds			

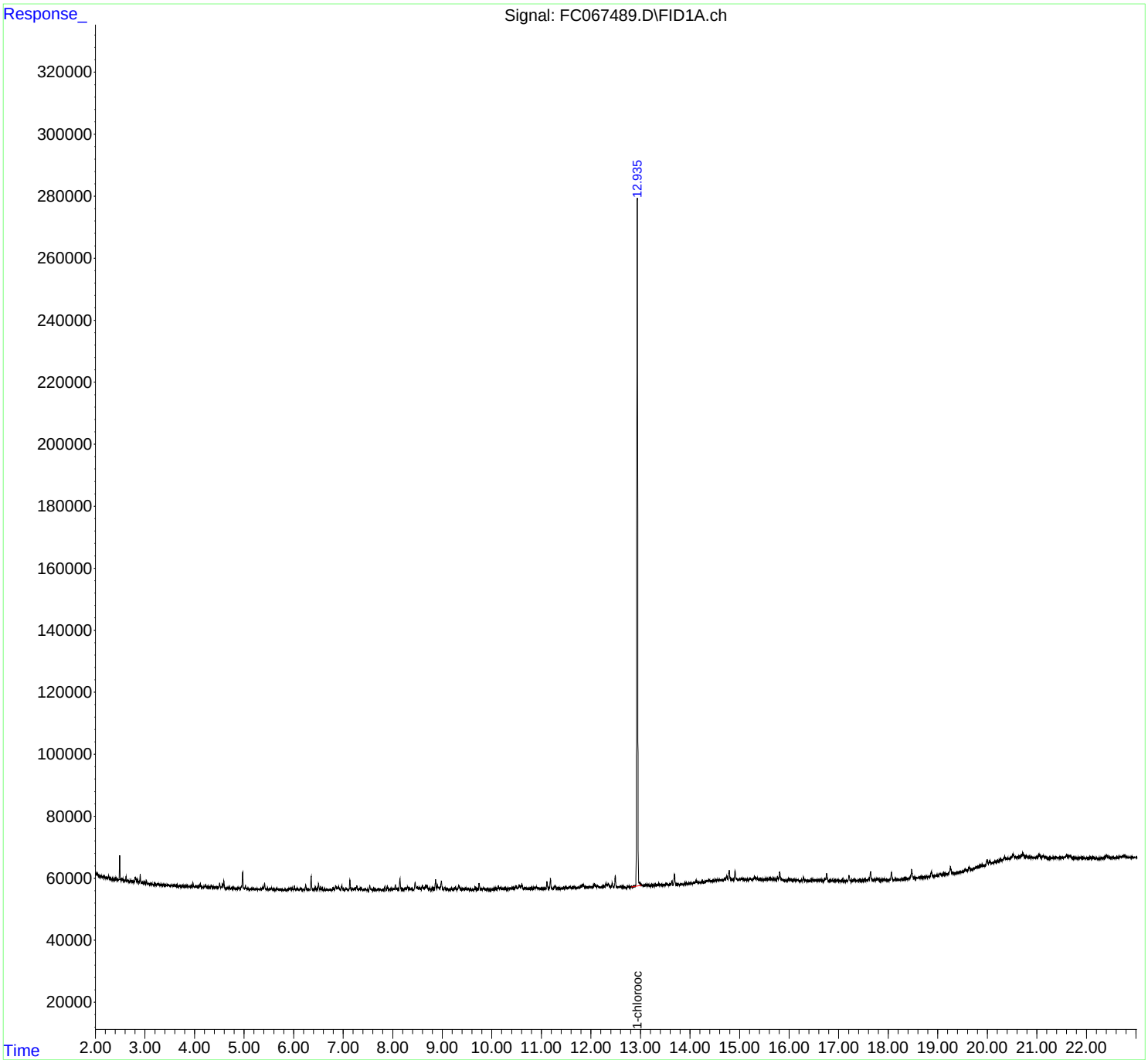
(f)=RT Delta > 1/2 Window (m)=manual int.

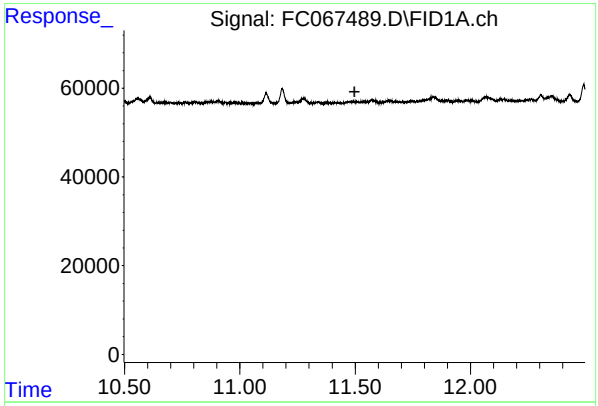
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067489.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 03:41
Operator : YP/AJ
Sample : P4460-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-303-TOP

Integration File: autoint1.e
Quant Time: Oct 23 04:51:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

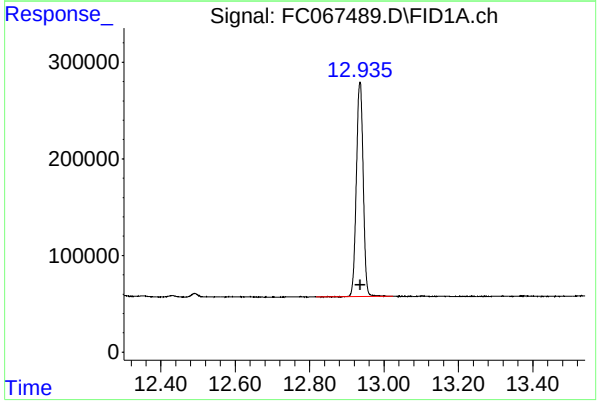




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.497 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WB-303-TOP



#12 1-chlorooctadecane (SURR)

R.T.: 12.935 min
Delta R.T.: 0.000 min
Response: 2835180
Conc: 25.05 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067489.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 03:41
Sample : P4460-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.276	3.221	3.361	BV	386	5227	0.18%	0.047%
2	3.373	3.361	3.411	VV	133	1561	0.05%	0.014%
3	3.420	3.411	3.451	VV	126	1195	0.04%	0.011%
4	3.468	3.451	3.501	VV	136	2508	0.09%	0.023%
5	3.511	3.501	3.522	PV	89	680	0.02%	0.006%
6	3.553	3.522	3.582	VV	250	4507	0.16%	0.041%
7	3.598	3.582	3.621	VV	397	3997	0.14%	0.036%
8	3.646	3.621	3.682	PV	323	4406	0.15%	0.040%
9	3.696	3.682	3.704	PV	93	763	0.03%	0.007%
10	3.715	3.704	3.758	VV	109	1471	0.05%	0.013%
11	3.766	3.758	3.799	VV	220	3534	0.12%	0.032%
12	3.811	3.799	3.833	VV	183	2340	0.08%	0.021%
13	3.854	3.833	3.905	VV	226	5364	0.18%	0.049%
14	3.939	3.905	3.953	VV	578	7510	0.26%	0.068%
15	3.968	3.953	4.011	VV	1439	14700	0.51%	0.133%
16	4.022	4.011	4.027	VV	171	1378	0.05%	0.012%
17	4.036	4.027	4.068	VV	246	3049	0.11%	0.028%
18	4.116	4.068	4.195	PV	1130	21110	0.73%	0.191%
19	4.217	4.195	4.241	VV	1082	12206	0.42%	0.111%
20	4.257	4.241	4.281	VV	247	4490	0.15%	0.041%
21	4.287	4.281	4.307	VV	204	2500	0.09%	0.023%
22	4.340	4.307	4.371	VV	945	13812	0.48%	0.125%
23	4.378	4.371	4.396	VV	337	3551	0.12%	0.032%
24	4.405	4.396	4.425	VV	198	2716	0.09%	0.025%
25	4.454	4.425	4.470	VV	398	6773	0.23%	0.061%
26	4.507	4.470	4.528	VV	1615	20656	0.71%	0.187%
27	4.539	4.528	4.548	VV	394	3961	0.14%	0.036%
28	4.563	4.548	4.577	VV	1530	15904	0.55%	0.144%
29	4.593	4.577	4.678	VV	2468	29442	1.01%	0.267%
30	4.709	4.678	4.727	VV	330	5711	0.20%	0.052%
31	4.749	4.727	4.771	VV	238	3914	0.13%	0.035%
32	4.783	4.771	4.801	VV	267	3003	0.10%	0.027%
33	4.809	4.801	4.832	VV	206	2159	0.07%	0.020%
34	4.848	4.832	4.871	PV	148	2190	0.08%	0.020%
35	4.894	4.871	4.915	VV	431	5451	0.19%	0.049%
36	4.972	4.915	5.006	PV	5580	72302	2.49%	0.655%

rteres

37	5.028	5.006	5.095	VV	1200	17933	0.62%	0.162%
38	5.104	5.095	5.117	VV	115	715	0.02%	0.006%
39	5.165	5.117	5.184	PV	354	6210	0.21%	0.056%
40	5.204	5.184	5.248	VV	258	5425	0.19%	0.049%
41	5.262	5.248	5.278	VV	185	2523	0.09%	0.023%
42	5.291	5.278	5.318	VV	185	2713	0.09%	0.025%
43	5.342	5.318	5.357	VV	289	4156	0.14%	0.038%
44	5.375	5.357	5.391	VV	854	10136	0.35%	0.092%
45	5.415	5.391	5.445	VV	2175	27079	0.93%	0.245%
46	5.471	5.445	5.521	VV	553	10552	0.36%	0.096%
47	5.529	5.521	5.536	VV	231	1908	0.07%	0.017%
48	5.557	5.536	5.601	VV	651	10518	0.36%	0.095%
49	5.621	5.601	5.637	VV	182	2592	0.09%	0.023%
50	5.661	5.637	5.696	VV	474	9190	0.32%	0.083%
51	5.706	5.696	5.710	VV	215	1430	0.05%	0.013%
52	5.722	5.710	5.761	VV	266	6257	0.22%	0.057%
53	5.778	5.761	5.808	VV	194	3084	0.11%	0.028%
54	5.827	5.808	5.848	PV	302	3376	0.12%	0.031%
55	5.878	5.848	5.905	VV	343	6578	0.23%	0.060%
56	5.924	5.905	5.952	VV	653	11103	0.38%	0.101%
57	5.972	5.952	5.993	VV	689	9156	0.32%	0.083%
58	6.014	5.993	6.048	VV	1375	17482	0.60%	0.158%
59	6.074	6.048	6.103	VV	605	9925	0.34%	0.090%
60	6.146	6.103	6.178	VV	514	13975	0.48%	0.127%
61	6.188	6.178	6.213	VV	292	3653	0.13%	0.033%
62	6.245	6.213	6.271	VV	1815	23496	0.81%	0.213%
63	6.278	6.271	6.298	VV	329	4407	0.15%	0.040%
64	6.308	6.298	6.327	VV	256	3736	0.13%	0.034%
65	6.354	6.327	6.380	VV	4462	49958	1.72%	0.453%
66	6.390	6.380	6.418	VV	349	6451	0.22%	0.058%
67	6.439	6.418	6.458	VV	1005	12194	0.42%	0.110%
68	6.474	6.458	6.485	VV	611	6899	0.24%	0.063%
69	6.504	6.485	6.524	VV	2216	25519	0.88%	0.231%
70	6.539	6.524	6.561	VV	770	9836	0.34%	0.089%
71	6.576	6.561	6.603	VV	913	10551	0.36%	0.096%
72	6.626	6.603	6.650	VV	252	4395	0.15%	0.040%
73	6.679	6.650	6.702	VV	281	5414	0.19%	0.049%
74	6.751	6.702	6.770	VV	348	6872	0.24%	0.062%
75	6.797	6.770	6.827	PV	891	13374	0.46%	0.121%
76	6.849	6.827	6.885	VV	1461	27486	0.95%	0.249%
77	6.909	6.885	6.940	VV	1128	23477	0.81%	0.213%
78	6.974	6.940	6.997	VV	1677	25701	0.89%	0.233%
79	7.011	6.997	7.032	VV	425	4574	0.16%	0.041%
80	7.055	7.032	7.065	VV	555	6083	0.21%	0.055%
81	7.076	7.065	7.097	VV	504	6501	0.22%	0.059%
82	7.137	7.097	7.169	VV	3386	43772	1.51%	0.397%
83	7.196	7.169	7.225	VV	587	11585	0.40%	0.105%
84	7.244	7.225	7.257	VV	953	10680	0.37%	0.097%
85	7.276	7.257	7.299	VV	1387	18906	0.65%	0.171%
86	7.342	7.299	7.354	VV	678	13814	0.48%	0.125%
87	7.367	7.354	7.389	VV	1005	11426	0.39%	0.104%
88	7.412	7.389	7.422	VV	302	4382	0.15%	0.040%
89	7.451	7.422	7.472	VV	518	9909	0.34%	0.090%

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90	7.487	7.472	7.511	VV	246	2520	0.09%	0.023%
91	7.538	7.511	7.591	PV	1545	22945	0.79%	0.208%
92	7.616	7.591	7.669	VV	409	11118	0.38%	0.101%
93	7.703	7.669	7.721	VV	513	9881	0.34%	0.090%
94	7.754	7.721	7.778	VV	369	8643	0.30%	0.078%
95	7.797	7.778	7.821	VV	391	5458	0.19%	0.049%
96	7.843	7.821	7.865	VV	1102	14428	0.50%	0.131%
97	7.897	7.865	7.919	VV	985	18024	0.62%	0.163%
98	7.937	7.919	7.951	VV	396	5357	0.18%	0.049%
99	7.969	7.951	7.986	VV	560	8164	0.28%	0.074%
100	8.054	7.986	8.078	VV	1796	32729	1.13%	0.297%
101	8.094	8.078	8.111	VV	484	7914	0.27%	0.072%
102	8.147	8.111	8.225	VV	3754	62899	2.17%	0.570%
103	8.250	8.225	8.279	VV	683	17385	0.60%	0.158%
104	8.300	8.279	8.321	VV	1183	18412	0.63%	0.167%
105	8.339	8.321	8.360	VV	578	8923	0.31%	0.081%
106	8.379	8.360	8.427	VV	772	14003	0.48%	0.127%
107	8.452	8.427	8.476	VV	2457	35943	1.24%	0.326%
108	8.494	8.476	8.518	VV	959	20059	0.69%	0.182%
109	8.529	8.518	8.554	VV	742	13753	0.47%	0.125%
110	8.567	8.554	8.577	VV	590	6991	0.24%	0.063%
111	8.600	8.577	8.621	VV	1469	24077	0.83%	0.218%
112	8.635	8.621	8.645	VV	892	10575	0.36%	0.096%
113	8.684	8.645	8.725	VV	1534	47813	1.65%	0.433%
114	8.751	8.725	8.785	VV	728	13420	0.46%	0.122%
115	8.802	8.785	8.825	VV	613	10542	0.36%	0.096%
116	8.866	8.825	8.887	VV	3454	54261	1.87%	0.492%
117	8.904	8.887	8.950	VV	1458	36342	1.25%	0.329%
118	8.983	8.950	9.031	VV	2816	55760	1.92%	0.505%
119	9.054	9.031	9.080	VV	996	14856	0.51%	0.135%
120	9.103	9.080	9.135	VV	589	9495	0.33%	0.086%
121	9.181	9.135	9.201	PV	421	11061	0.38%	0.100%
122	9.207	9.201	9.226	VV	351	4814	0.17%	0.044%
123	9.269	9.226	9.303	VV	831	21064	0.73%	0.191%
124	9.333	9.303	9.374	VV	1546	30653	1.06%	0.278%
125	9.389	9.374	9.394	VV	316	2842	0.10%	0.026%
126	9.430	9.394	9.446	VV	483	9420	0.32%	0.085%
127	9.473	9.446	9.498	VV	672	12192	0.42%	0.110%
128	9.525	9.498	9.555	VV	610	10887	0.38%	0.099%
129	9.577	9.555	9.598	VV	224	4006	0.14%	0.036%
130	9.617	9.598	9.641	VV	117	2709	0.09%	0.025%
131	9.664	9.641	9.686	VV	1134	14491	0.50%	0.131%
132	9.704	9.686	9.718	VV	360	5180	0.18%	0.047%
133	9.745	9.718	9.790	VV	2160	31652	1.09%	0.287%
134	9.830	9.790	9.904	VV	543	20582	0.71%	0.186%
135	9.918	9.904	9.945	VV	273	3515	0.12%	0.032%
136	9.986	9.945	10.004	PV	146	3900	0.13%	0.035%
137	10.022	10.004	10.039	VV	339	4680	0.16%	0.042%
138	10.066	10.039	10.083	VV	495	8754	0.30%	0.079%
139	10.134	10.083	10.158	VV	1225	26249	0.90%	0.238%
140	10.174	10.158	10.195	VV	683	11510	0.40%	0.104%
141	10.225	10.195	10.239	VV	517	10298	0.35%	0.093%

rteres

142	10.254	10.239	10.299	VV	439	10695	0.37%	0.097%
143	10.345	10.299	10.356	VV	453	9690	0.33%	0.088%
144	10.375	10.356	10.396	VV	623	11202	0.39%	0.101%
145	10.418	10.396	10.443	VV	710	14406	0.50%	0.131%
146	10.485	10.443	10.517	VV	1101	28486	0.98%	0.258%
147	10.558	10.517	10.583	VV	1323	34317	1.18%	0.311%
148	10.609	10.583	10.632	VV	1553	27688	0.95%	0.251%
149	10.644	10.632	10.657	VV	449	5480	0.19%	0.050%
150	10.673	10.657	10.718	VV	456	12714	0.44%	0.115%
151	10.732	10.718	10.750	VV	279	4656	0.16%	0.042%
152	10.763	10.750	10.781	VV	392	5380	0.19%	0.049%
153	10.802	10.781	10.838	VV	480	10838	0.37%	0.098%
154	10.876	10.838	10.890	VV	582	13477	0.46%	0.122%
155	10.906	10.890	10.928	VV	779	11800	0.41%	0.107%
156	10.937	10.928	10.950	VV	426	3900	0.13%	0.035%
157	10.987	10.950	11.032	VV	342	10672	0.37%	0.097%
158	11.045	11.032	11.059	VV	188	2180	0.08%	0.020%
159	11.079	11.059	11.087	VV	237	3017	0.10%	0.027%
160	11.114	11.087	11.149	VV	2437	33799	1.17%	0.306%
161	11.184	11.149	11.217	VV	3385	46064	1.59%	0.417%
162	11.276	11.217	11.321	VV	1187	27602	0.95%	0.250%
163	11.339	11.321	11.362	VV	331	4591	0.16%	0.042%
164	11.375	11.362	11.398	PV	219	3182	0.11%	0.029%
165	11.418	11.398	11.447	VV	228	3770	0.13%	0.034%
166	11.491	11.447	11.518	VV	420	13529	0.47%	0.123%
167	11.543	11.518	11.557	VV	427	8027	0.28%	0.073%
168	11.573	11.557	11.614	VV	754	14802	0.51%	0.134%
169	11.652	11.614	11.720	VV	581	21588	0.74%	0.196%
170	11.739	11.720	11.763	VV	448	8752	0.30%	0.079%
171	11.840	11.763	11.879	VV	1329	51197	1.76%	0.464%
172	11.896	11.879	11.926	VV	571	12654	0.44%	0.115%
173	11.946	11.926	11.966	VV	545	9590	0.33%	0.087%
174	11.983	11.966	12.029	VV	598	17002	0.59%	0.154%
175	12.068	12.029	12.112	VV	1297	38992	1.34%	0.353%
176	12.130	12.112	12.163	VV	813	18311	0.63%	0.166%
177	12.176	12.163	12.198	VV	513	8298	0.29%	0.075%
178	12.264	12.198	12.280	VV	830	24642	0.85%	0.223%
179	12.305	12.280	12.325	VV	1650	27636	0.95%	0.250%
180	12.353	12.325	12.395	VV	1456	36587	1.26%	0.331%
181	12.431	12.395	12.464	VV	1754	29027	1.00%	0.263%
182	12.491	12.464	12.539	VV	3860	54627	1.88%	0.495%
183	12.558	12.539	12.574	VV	387	6426	0.22%	0.058%
184	12.587	12.574	12.625	VV	394	9513	0.33%	0.086%
185	12.640	12.625	12.692	VV	289	6678	0.23%	0.061%
186	12.775	12.692	12.795	PV	343	9817	0.34%	0.089%
187	12.816	12.795	12.832	VV	345	4685	0.16%	0.042%
188	12.854	12.832	12.865	VV	422	5650	0.19%	0.051%
189	12.935	12.865	13.061	VV	222197	2901180	100.00%	26.283%
190	13.067	13.061	13.085	VV	595	7528	0.26%	0.068%
191	13.103	13.085	13.132	VV	980	19921	0.69%	0.180%
192	13.154	13.132	13.195	VV	714	21558	0.74%	0.195%
193	13.221	13.195	13.232	VV	581	10530	0.36%	0.095%
194	13.262	13.232	13.285	VV	510	15216	0.52%	0.138%

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195	13.318	13.285	13.348	VV	768	24338	0.84%	0.220%
196	13.378	13.348	13.475	VV	875	48476	1.67%	0.439%
197	13.483	13.475	13.496	VV	646	7570	0.26%	0.069%
198	13.534	13.496	13.585	VV	916	36457	1.26%	0.330%
199	13.605	13.585	13.615	VV	831	13011	0.45%	0.118%
200	13.635	13.615	13.659	VV	1773	28824	0.99%	0.261%
201	13.687	13.659	13.717	VV	3980	63523	2.19%	0.575%
202	13.740	13.717	13.761	VV	673	15953	0.55%	0.145%
203	13.770	13.761	13.794	VV	656	11316	0.39%	0.103%
204	13.833	13.794	13.853	VV	686	21094	0.73%	0.191%
205	13.919	13.853	13.945	VV	1006	41454	1.43%	0.376%
206	13.986	13.945	14.045	VV	973	51827	1.79%	0.470%
207	14.122	14.045	14.173	VV	1818	87433	3.01%	0.792%
208	14.184	14.173	14.225	VV	1141	32646	1.13%	0.296%
209	14.248	14.225	14.281	VV	1722	42560	1.47%	0.386%
210	14.319	14.281	14.328	VV	1382	34010	1.17%	0.308%
211	14.346	14.328	14.362	VV	1467	29038	1.00%	0.263%
212	14.388	14.362	14.427	VV	1678	58854	2.03%	0.533%
213	14.449	14.427	14.483	VV	1492	46622	1.61%	0.422%
214	14.502	14.483	14.511	VV	1581	25277	0.87%	0.229%
215	14.531	14.511	14.561	VV	1726	48383	1.67%	0.438%
216	14.566	14.561	14.591	VV	1741	28841	0.99%	0.261%
217	14.600	14.591	14.622	VV	1802	30338	1.05%	0.275%
218	14.632	14.622	14.658	VV	1741	35189	1.21%	0.319%
219	14.698	14.658	14.715	VV	2278	61479	2.12%	0.557%
220	14.740	14.715	14.764	VV	2827	67458	2.33%	0.611%
221	14.789	14.764	14.877	VV	4613	153747	5.30%	1.393%
222	14.908	14.877	14.931	VV	4446	85679	2.95%	0.776%
223	14.941	14.931	14.970	VV	1974	40214	1.39%	0.364%
224	14.991	14.970	15.007	VV	1729	35826	1.23%	0.325%
225	15.053	15.007	15.106	VV	2036	102285	3.53%	0.927%
226	15.118	15.106	15.141	VV	1673	31785	1.10%	0.288%
227	15.156	15.141	15.181	VV	1541	35430	1.22%	0.321%
228	15.213	15.181	15.252	VV	1880	69094	2.38%	0.626%
229	15.261	15.252	15.281	VV	1699	27730	0.96%	0.251%
230	15.308	15.281	15.335	VV	2372	63379	2.18%	0.574%
231	15.355	15.335	15.421	VV	1878	83473	2.88%	0.756%
232	15.446	15.421	15.504	VV	1566	70123	2.42%	0.635%
233	15.521	15.504	15.590	VV	1536	74120	2.55%	0.671%
234	15.617	15.590	15.666	VV	1892	73040	2.52%	0.662%
235	15.674	15.666	15.691	VV	1488	21626	0.75%	0.196%
236	15.698	15.691	15.751	VV	1511	44713	1.54%	0.405%
237	15.768	15.751	15.788	VV	2009	35287	1.22%	0.320%
238	15.808	15.788	15.938	VV	3776	133597	4.60%	1.210%
239	15.988	15.938	16.028	VV	1373	55762	1.92%	0.505%
240	16.047	16.028	16.081	VV	1063	30400	1.05%	0.275%
241	16.101	16.081	16.141	VV	1060	33397	1.15%	0.303%
242	16.162	16.141	16.215	VV	1058	37119	1.28%	0.336%
243	16.289	16.215	16.417	VV	1663	92965	3.20%	0.842%
244	16.464	16.417	16.492	VV	887	31766	1.09%	0.288%
245	16.516	16.492	16.531	VV	773	16787	0.58%	0.152%
246	16.556	16.531	16.577	VV	765	18442	0.64%	0.167%

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247	16.588	16.577	16.605	VV	683	10108	0.35%	0.092%
248	16.627	16.605	16.693	VV	753	31833	1.10%	0.288%
249	16.723	16.693	16.734	VV	987	18215	0.63%	0.165%
250	16.756	16.734	16.838	VV	2689	60388	2.08%	0.547%
251	16.871	16.838	16.898	VV	509	16441	0.57%	0.149%
252	16.905	16.898	16.942	VV	529	10812	0.37%	0.098%
253	16.986	16.942	17.028	VV	506	17713	0.61%	0.160%
254	17.037	17.028	17.051	VV	241	2739	0.09%	0.025%
255	17.080	17.051	17.105	VV	583	11398	0.39%	0.103%
256	17.119	17.105	17.141	VV	286	3706	0.13%	0.034%
257	17.160	17.141	17.178	VV	316	3810	0.13%	0.035%
258	17.208	17.178	17.251	VV	1924	31134	1.07%	0.282%
259	17.265	17.251	17.287	VV	126	1941	0.07%	0.018%
260	17.314	17.287	17.336	VV	504	9334	0.32%	0.085%
261	17.343	17.336	17.375	VV	302	5482	0.19%	0.050%
262	17.395	17.375	17.405	VV	259	3652	0.13%	0.033%
263	17.439	17.405	17.516	VV	268	15681	0.54%	0.142%
264	17.534	17.516	17.555	VV	428	5978	0.21%	0.054%
265	17.642	17.555	17.711	VV	2928	67091	2.31%	0.608%
266	17.777	17.711	17.845	VV	505	22174	0.76%	0.201%
267	17.855	17.845	17.897	VV	230	4151	0.14%	0.038%
268	17.922	17.897	17.956	VV	386	9086	0.31%	0.082%
269	17.962	17.956	17.993	VV	270	3711	0.13%	0.034%
270	18.008	17.993	18.015	VV	193	1663	0.06%	0.015%
271	18.022	18.015	18.032	VV	179	1324	0.05%	0.012%
272	18.064	18.032	18.110	VV	2613	37441	1.29%	0.339%
273	18.144	18.110	18.171	PV	476	7089	0.24%	0.064%
274	18.182	18.171	18.195	VV	135	1257	0.04%	0.011%
275	18.209	18.195	18.228	VV	180	1991	0.07%	0.018%
276	18.254	18.228	18.285	PV	246	3995	0.14%	0.036%
277	18.296	18.285	18.308	VV	191	2100	0.07%	0.019%
278	18.329	18.308	18.361	VV	331	6516	0.22%	0.059%
279	18.375	18.361	18.388	VV	279	2385	0.08%	0.022%
280	18.473	18.388	18.548	VV	2957	62840	2.17%	0.569%
281	18.570	18.548	18.597	VV	235	3885	0.13%	0.035%
282	18.613	18.597	18.645	VV	263	4876	0.17%	0.044%
283	18.665	18.645	18.676	VV	232	2656	0.09%	0.024%
284	18.680	18.676	18.698	VV	137	942	0.03%	0.009%
285	18.734	18.698	18.758	VV	314	5152	0.18%	0.047%
286	18.775	18.758	18.796	VV	222	3427	0.12%	0.031%
287	18.816	18.796	18.828	PV	217	2404	0.08%	0.022%
288	18.870	18.828	18.949	VV	1869	37740	1.30%	0.342%
289	18.989	18.949	19.006	VV	227	5245	0.18%	0.048%
290	19.043	19.006	19.080	VV	585	14641	0.50%	0.133%
291	19.121	19.080	19.165	VV	386	13002	0.45%	0.118%
292	19.195	19.165	19.203	VV	393	6436	0.22%	0.058%
293	19.255	19.203	19.334	VV	2423	58043	2.00%	0.526%
294	19.361	19.334	19.395	VV	295	7074	0.24%	0.064%
295	19.408	19.395	19.421	VV	283	3404	0.12%	0.031%
296	19.445	19.421	19.467	VV	394	7459	0.26%	0.068%
297	19.558	19.467	19.589	VV	945	38047	1.31%	0.345%
298	19.632	19.589	19.660	VV	1586	37118	1.28%	0.336%
299	19.683	19.660	19.697	VV	836	16518	0.57%	0.150%

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300	19.898	19.697	19.928	VV	1678	172306	5.94%	1.561%
301	19.995	19.928	20.025	VV	3121	114016	3.93%	1.033%
302	20.049	20.025	20.083	VV	2645	79255	2.73%	0.718%
303	20.189	20.083	20.197	VV	2179	141273	4.87%	1.280%
304	20.218	20.197	20.230	VV	2278	44076	1.52%	0.399%
305	20.267	20.230	20.284	VV	2507	78839	2.72%	0.714%
306	20.350	20.284	20.394	VV	3396	183807	6.34%	1.665%
307	20.417	20.394	20.435	VV	2781	67168	2.32%	0.609%
308	20.522	20.435	20.575	VV	3841	253452	8.74%	2.296%
309	20.583	20.575	20.595	VV	2753	32589	1.12%	0.295%
310	20.716	20.595	20.778	VV	3839	320902	11.06%	2.907%
311	20.787	20.778	20.901	VV	2547	164834	5.68%	1.493%
312	20.909	20.901	20.920	VV	2027	23009	0.79%	0.208%
313	20.936	20.920	20.975	VV	2013	62300	2.15%	0.564%
314	21.045	20.975	21.098	VV	2532	147618	5.09%	1.337%
315	21.131	21.098	21.227	VV	2057	120350	4.15%	1.090%
316	21.252	21.227	21.268	VV	1164	27472	0.95%	0.249%
317	21.280	21.268	21.300	VV	1103	19871	0.68%	0.180%
318	21.328	21.300	21.345	VV	1082	27379	0.94%	0.248%
319	21.359	21.345	21.381	VV	1117	22592	0.78%	0.205%
320	21.388	21.381	21.448	VV	1066	36241	1.25%	0.328%
321	21.498	21.448	21.550	VV	796	43577	1.50%	0.395%
322	21.603	21.550	21.633	VV	1183	43189	1.49%	0.391%
323	21.662	21.633	21.721	VV	960	34007	1.17%	0.308%
324	21.772	21.721	21.782	VV	117	3249	0.11%	0.029%
			Sum of corrected areas:			11038202		

Aliphatic EPH 100224.M Wed Oct 23 07:54:48 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048552.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 03:41
Operator : YP/AJ
Sample : P4460-02
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-303-TOP

Integration File: autoint1.e
Quant Time: Oct 23 05:09:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 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...	7.376	8986012	54.274 ug/ml
Spiked Amount 50.000		Recovery = 108.55%	
6) S 2-Flurobiphenyl (SURR)	8.225	5934948	57.229 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 114.46%	
11) S ortho-Terphenyl (SURR)	11.259	5049250	27.442 ug/ml
Spiked Amount 50.000		Recovery = 54.88%	
Target Compounds			

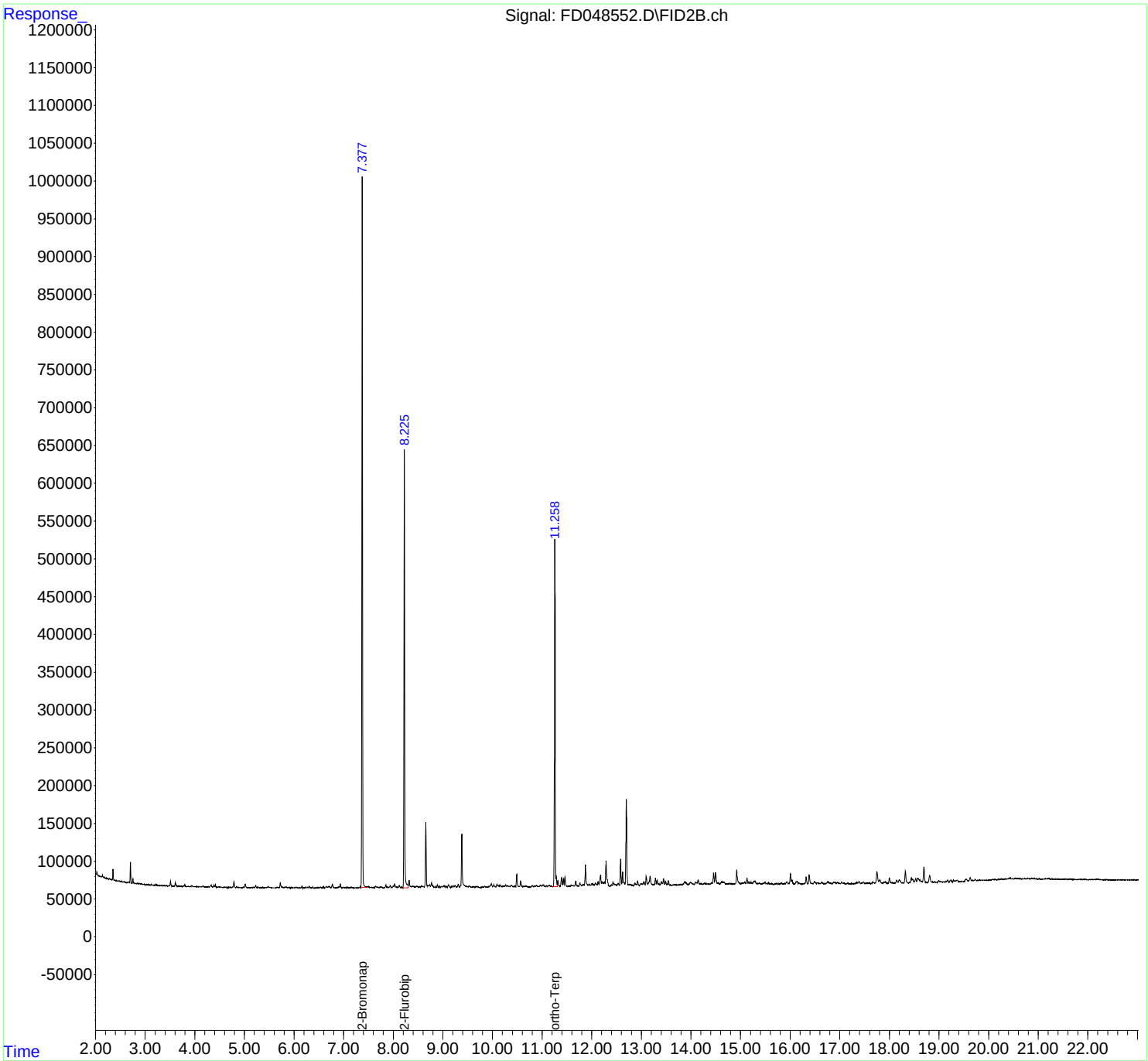
(f)=RT Delta > 1/2 Window (m)=manual int.

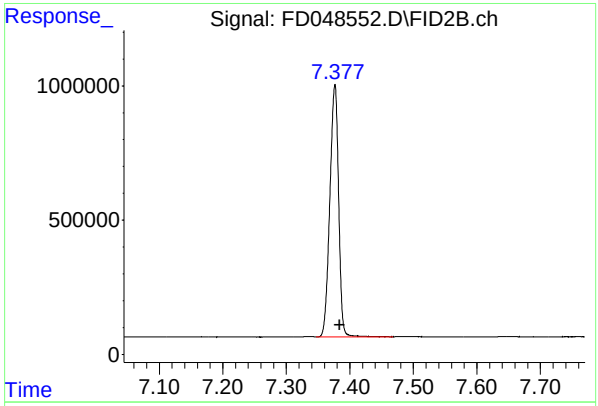
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048552.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 03:41
Operator : YP/AJ
Sample : P4460-02
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-303-TOP

Integration File: autoint1.e
Quant Time: Oct 23 05:09:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

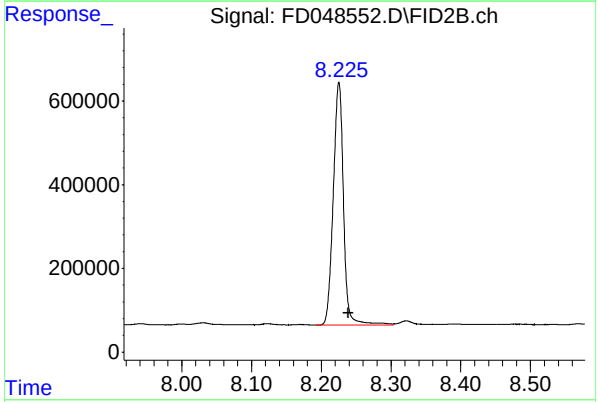




#4 2-Bromonaphthalene (SURR)

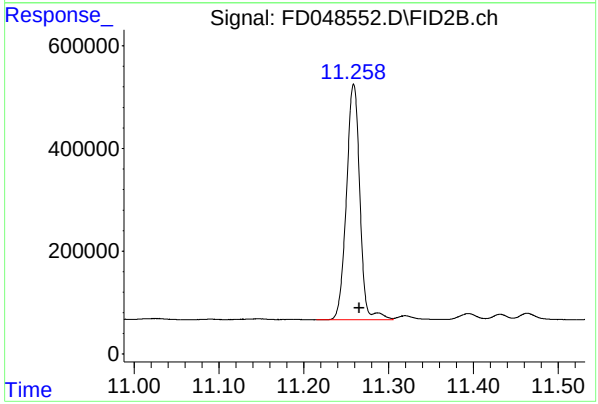
R.T.: 7.376 min
Delta R.T.: -0.008 min
Response: 8986012
Conc: 54.27 ug/ml

Instrument :
FID_D
ClientSampleId :
WB-303-TOP



#6 2-Flurobiphenyl (SURR)

R.T.: 8.225 min
Delta R.T.: -0.014 min
Response: 5934948
Conc: 57.23 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.259 min
Delta R.T.: -0.007 min
Response: 5049250
Conc: 27.44 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048552.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 03:41
Sample : P4460-02
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.167	4.152	4.193	PH	1920	16873	0.19%	0.043%
2	4.204	4.193	4.210	PV	262	1560	0.02%	0.004%
3	4.241	4.239	4.258	VV	139	1108	0.01%	0.003%
4	4.277	4.258	4.292	VV	629	6447	0.07%	0.016%
5	4.330	4.292	4.364	PV	3096	47992	0.53%	0.121%
6	4.385	4.364	4.400	VV	2735	28284	0.31%	0.072%
7	4.415	4.400	4.449	VV	3837	36610	0.40%	0.093%
8	4.484	4.467	4.517	VV	742	10790	0.12%	0.027%
9	4.529	4.517	4.547	VV	782	8196	0.09%	0.021%
10	4.601	4.571	4.644	VV	873	13272	0.15%	0.034%
11	4.650	4.644	4.662	PV	160	1562	0.02%	0.004%
12	4.682	4.662	4.693	VV	535	3658	0.04%	0.009%
13	4.707	4.693	4.727	VV	600	8003	0.09%	0.020%
14	4.731	4.727	4.747	VV	272	2564	0.03%	0.006%
15	4.766	4.747	4.772	VV	1467	12190	0.13%	0.031%
16	4.789	4.772	4.823	VV	7910	89043	0.98%	0.225%
17	4.845	4.823	4.864	VV	1709	17922	0.20%	0.045%
18	4.872	4.864	4.888	VV	190	1871	0.02%	0.005%
19	4.897	4.888	4.910	VV	161	1679	0.02%	0.004%
20	4.915	4.910	4.932	VV	200	1716	0.02%	0.004%
21	4.945	4.932	4.957	VV	168	1090	0.01%	0.003%
22	4.981	4.957	4.996	PV	630	7834	0.09%	0.020%
23	5.016	4.996	5.052	VV	4813	62679	0.69%	0.158%
24	5.057	5.052	5.061	VV	624	2668	0.03%	0.007%
25	5.068	5.061	5.087	VV	551	5184	0.06%	0.013%
26	5.090	5.087	5.119	VV	223	2381	0.03%	0.006%
27	5.138	5.127	5.169	VV	404	6161	0.07%	0.016%
28	5.189	5.169	5.207	VV	1199	13584	0.15%	0.034%
29	5.229	5.207	5.255	VV	3142	35396	0.39%	0.089%
30	5.264	5.255	5.269	VV	308	2210	0.02%	0.006%
31	5.284	5.269	5.312	VV	895	11181	0.12%	0.028%
32	5.324	5.312	5.342	VV	265	2414	0.03%	0.006%
33	5.372	5.342	5.395	VV	687	11255	0.12%	0.028%
34	5.400	5.395	5.409	VV	271	1316	0.01%	0.003%
35	5.437	5.409	5.455	VV	785	12729	0.14%	0.032%
36	5.480	5.455	5.504	VV	1484	25560	0.28%	0.065%

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37	5.511	5.504	5.557	VV	737	14553	0.16%	0.037%
38	5.559	5.557	5.572	VV	366	1471	0.02%	0.004%
39	5.583	5.572	5.589	PV	204	1186	0.01%	0.003%
40	5.595	5.589	5.610	VV	198	1380	0.02%	0.003%
41	5.656	5.625	5.662	VV	749	9055	0.10%	0.023%
42	5.670	5.662	5.698	VV	625	9962	0.11%	0.025%
43	5.724	5.698	5.767	VV	6634	95244	1.05%	0.241%
44	5.780	5.767	5.799	VV	941	11020	0.12%	0.028%
45	5.823	5.799	5.842	VV	1851	22671	0.25%	0.057%
46	5.856	5.842	5.870	VV	682	9194	0.10%	0.023%
47	5.886	5.870	5.908	VV	681	10166	0.11%	0.026%
48	5.913	5.908	5.926	VV	228	1734	0.02%	0.004%
49	5.940	5.926	5.992	VV	785	18457	0.20%	0.047%
50	5.996	5.992	6.002	VV	188	1026	0.01%	0.003%
51	6.022	6.002	6.033	VV	810	9529	0.11%	0.024%
52	6.052	6.033	6.115	VV	816	19574	0.22%	0.049%
53	6.123	6.115	6.137	VV	408	2978	0.03%	0.008%
54	6.161	6.137	6.190	VV	2907	33219	0.37%	0.084%
55	6.199	6.190	6.211	VV	365	3011	0.03%	0.008%
56	6.217	6.211	6.227	VV	281	2212	0.02%	0.006%
57	6.243	6.227	6.260	VV	1416	15637	0.17%	0.040%
58	6.277	6.260	6.290	VV	1010	11206	0.12%	0.028%
59	6.309	6.290	6.332	VV	2643	31675	0.35%	0.080%
60	6.342	6.332	6.362	VV	760	8074	0.09%	0.020%
61	6.379	6.362	6.399	PV	1244	13931	0.15%	0.035%
62	6.403	6.399	6.409	VV	322	1368	0.02%	0.003%
63	6.413	6.409	6.419	VV	248	1464	0.02%	0.004%
64	6.433	6.419	6.449	VV	470	5336	0.06%	0.013%
65	6.477	6.459	6.491	VV	569	8303	0.09%	0.021%
66	6.498	6.491	6.513	VV	500	5589	0.06%	0.014%
67	6.529	6.513	6.536	VV	886	9614	0.11%	0.024%
68	6.545	6.536	6.573	VV	947	12333	0.14%	0.031%
69	6.598	6.573	6.626	VV	1646	25691	0.28%	0.065%
70	6.650	6.626	6.685	VV	2131	40201	0.44%	0.102%
71	6.713	6.685	6.743	VV	1859	42999	0.48%	0.109%
72	6.774	6.743	6.810	VV	5170	80554	0.89%	0.204%
73	6.819	6.810	6.839	VV	648	7817	0.09%	0.020%
74	6.856	6.839	6.868	VV	778	9621	0.11%	0.024%
75	6.881	6.868	6.888	VV	756	7419	0.08%	0.019%
76	6.904	6.888	6.919	VV	2022	23249	0.26%	0.059%
77	6.935	6.919	6.975	VV	5244	62962	0.70%	0.159%
78	6.998	6.975	7.007	VV	896	11846	0.13%	0.030%
79	7.014	7.007	7.027	VV	764	7198	0.08%	0.018%
80	7.043	7.027	7.058	VV	1315	13665	0.15%	0.035%
81	7.077	7.058	7.096	VV	1142	16396	0.18%	0.041%
82	7.111	7.096	7.126	VV	599	7391	0.08%	0.019%
83	7.138	7.126	7.154	VV	842	10816	0.12%	0.027%
84	7.167	7.154	7.192	VV	1172	12314	0.14%	0.031%
85	7.196	7.192	7.214	VV	287	1974	0.02%	0.005%
86	7.219	7.214	7.225	VV	216	1376	0.02%	0.003%
87	7.236	7.232	7.239	VV	305	1177	0.01%	0.003%
88	7.243	7.239	7.262	VV	257	2196	0.02%	0.006%
89	7.291	7.274	7.300	VV	462	5053	0.06%	0.013%

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90	7.305	7.300	7.315	VV	422	2663	0.03%	0.007%
91	7.336	7.315	7.348	VV	2181	23580	0.26%	0.060%
92	7.377	7.348	7.467	VV	944516	9043383	100.00%	22.866%
93	7.491	7.467	7.520	VV	1960	46637	0.52%	0.118%
94	7.530	7.520	7.550	VV	1142	16010	0.18%	0.040%
95	7.561	7.550	7.582	VV	765	10931	0.12%	0.028%
96	7.594	7.582	7.621	VV	691	10753	0.12%	0.027%
97	7.650	7.621	7.677	VV	2214	44607	0.49%	0.113%
98	7.689	7.677	7.715	VV	1100	19219	0.21%	0.049%
99	7.741	7.715	7.752	VV	1268	21598	0.24%	0.055%
100	7.760	7.752	7.802	VV	1380	21536	0.24%	0.054%
101	7.852	7.802	7.872	VV	4300	57329	0.63%	0.145%
102	7.882	7.872	7.907	VV	1275	16883	0.19%	0.043%
103	7.941	7.907	7.964	VV	3316	49617	0.55%	0.125%
104	7.969	7.964	7.983	VV	623	6013	0.07%	0.015%
105	8.000	7.983	8.010	VV	2571	27273	0.30%	0.069%
106	8.031	8.010	8.069	VV	5379	91853	1.02%	0.232%
107	8.089	8.069	8.105	VV	1035	18663	0.21%	0.047%
108	8.122	8.105	8.155	VV	3269	42588	0.47%	0.108%
109	8.171	8.155	8.197	VV	1135	14372	0.16%	0.036%
110	8.225	8.197	8.277	PV	580453	5875538	64.97%	14.856%
111	8.284	8.277	8.304	VV	4813	61966	0.69%	0.157%
112	8.322	8.304	8.350	VV	9921	137167	1.52%	0.347%
113	8.358	8.350	8.374	VV	1813	22698	0.25%	0.057%
114	8.389	8.374	8.415	VV	2206	43655	0.48%	0.110%
115	8.424	8.415	8.462	VV	1619	41523	0.46%	0.105%
116	8.474	8.462	8.513	VV	2020	48430	0.54%	0.122%
117	8.536	8.513	8.548	VV	1429	22154	0.24%	0.056%
118	8.569	8.548	8.592	VV	2921	47191	0.52%	0.119%
119	8.603	8.592	8.623	VV	1799	26425	0.29%	0.067%
120	8.658	8.623	8.686	VV	86550	914598	10.11%	2.313%
121	8.691	8.686	8.707	VV	3150	33929	0.38%	0.086%
122	8.733	8.707	8.750	VV	4037	77876	0.86%	0.197%
123	8.773	8.750	8.829	VV	6165	133829	1.48%	0.338%
124	8.843	8.829	8.867	VV	1498	21229	0.23%	0.054%
125	8.889	8.867	8.909	VV	3916	48109	0.53%	0.122%
126	8.925	8.909	8.952	VV	2162	30229	0.33%	0.076%
127	8.974	8.952	8.990	VV	1912	26864	0.30%	0.068%
128	9.024	8.990	9.047	VV	3095	62477	0.69%	0.158%
129	9.063	9.047	9.086	VV	2410	32848	0.36%	0.083%
130	9.118	9.086	9.161	VV	3570	76556	0.85%	0.194%
131	9.183	9.161	9.204	VV	2717	36522	0.40%	0.092%
132	9.223	9.204	9.237	VV	2610	32667	0.36%	0.083%
133	9.251	9.237	9.280	VV	3083	46352	0.51%	0.117%
134	9.310	9.280	9.339	VV	4471	72136	0.80%	0.182%
135	9.383	9.339	9.463	VV	71258	919156	10.16%	2.324%
136	9.480	9.463	9.494	VV	1912	29180	0.32%	0.074%
137	9.508	9.494	9.515	VV	1467	16538	0.18%	0.042%
138	9.532	9.515	9.574	VV	2680	51890	0.57%	0.131%
139	9.605	9.574	9.644	VV	1156	37676	0.42%	0.095%
140	9.694	9.644	9.729	VV	1819	49223	0.54%	0.124%
141	9.734	9.729	9.762	VV	454	4594	0.05%	0.012%

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142	9.791	9.762	9.796	PV	784	8892	0.10%	0.022%
143	9.802	9.796	9.817	VV	801	8427	0.09%	0.021%
144	9.823	9.817	9.826	VV	583	2791	0.03%	0.007%
145	9.845	9.826	9.870	VV	2029	30138	0.33%	0.076%
146	9.876	9.870	9.881	VV	735	4119	0.05%	0.010%
147	9.886	9.881	9.893	VV	666	3924	0.04%	0.010%
148	9.918	9.893	9.924	VV	1161	15135	0.17%	0.038%
149	9.948	9.924	9.958	VV	2318	32844	0.36%	0.083%
150	9.978	9.958	10.005	VV	4999	87496	0.97%	0.221%
151	10.029	10.005	10.057	VV	3466	59715	0.66%	0.151%
152	10.093	10.057	10.132	VV	4292	96700	1.07%	0.245%
153	10.150	10.132	10.180	VV	2809	56907	0.63%	0.144%
154	10.188	10.180	10.202	VV	1324	15173	0.17%	0.038%
155	10.231	10.202	10.244	VV	1649	35129	0.39%	0.089%
156	10.266	10.244	10.288	VV	3571	59542	0.66%	0.151%
157	10.304	10.288	10.331	VV	2433	46403	0.51%	0.117%
158	10.347	10.331	10.359	VV	1629	22092	0.24%	0.056%
159	10.387	10.359	10.417	VV	2950	60712	0.67%	0.154%
160	10.435	10.417	10.448	VV	1245	17572	0.19%	0.044%
161	10.491	10.448	10.549	VV	17194	240970	2.66%	0.609%
162	10.570	10.549	10.611	VV	8043	124956	1.38%	0.316%
163	10.626	10.611	10.649	VV	1104	16995	0.19%	0.043%
164	10.676	10.649	10.701	VV	1340	28936	0.32%	0.073%
165	10.713	10.701	10.742	VV	828	8757	0.10%	0.022%
166	10.761	10.742	10.777	PV	456	5892	0.07%	0.015%
167	10.803	10.777	10.824	VV	2078	31202	0.35%	0.079%
168	10.841	10.824	10.854	VV	1676	20744	0.23%	0.052%
169	10.860	10.854	10.870	VV	1380	11652	0.13%	0.029%
170	10.888	10.870	10.911	VV	2561	40413	0.45%	0.102%
171	10.915	10.911	10.928	VV	979	7862	0.09%	0.020%
172	10.933	10.928	10.944	VV	651	6191	0.07%	0.016%
173	10.965	10.944	11.000	VV	2550	59406	0.66%	0.150%
174	11.026	11.000	11.070	VV	2853	68102	0.75%	0.172%
175	11.091	11.070	11.106	VV	1626	24418	0.27%	0.062%
176	11.147	11.106	11.169	VV	2284	52355	0.58%	0.132%
177	11.186	11.169	11.212	VV	1020	18691	0.21%	0.047%
178	11.259	11.212	11.280	VV	459742	4924296	54.45%	12.451%
179	11.287	11.280	11.305	VV	13773	137233	1.52%	0.347%
180	11.320	11.305	11.369	VV	8301	125561	1.39%	0.317%
181	11.394	11.369	11.415	VV	12327	176654	1.95%	0.447%
182	11.432	11.415	11.447	VV	10952	129554	1.43%	0.328%
183	11.464	11.447	11.518	VV	12972	184464	2.04%	0.466%
184	11.549	11.518	11.564	VV	1006	17667	0.20%	0.045%
185	11.590	11.564	11.610	VV	2006	38677	0.43%	0.098%
186	11.625	11.610	11.643	VV	1586	23763	0.26%	0.060%
187	11.648	11.643	11.651	VV	851	4218	0.05%	0.011%
188	11.679	11.651	11.707	VV	7385	107937	1.19%	0.273%
189	11.710	11.707	11.737	VV	1393	16984	0.19%	0.043%
190	11.764	11.737	11.801	VV	4815	88732	0.98%	0.224%
191	11.822	11.801	11.854	VV	2803	70140	0.78%	0.177%
192	11.875	11.854	11.923	VV	28841	394524	4.36%	0.998%
193	11.935	11.923	11.942	VV	2286	24166	0.27%	0.061%
194	11.956	11.942	11.970	VV	2726	37556	0.42%	0.095%

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195	12.005	11.970	12.019	VV	3622	71285	0.79%	0.180%
196	12.027	12.019	12.059	VV	2989	55626	0.62%	0.141%
197	12.075	12.059	12.088	VV	4754	63903	0.71%	0.162%
198	12.094	12.088	12.110	VV	3358	35683	0.39%	0.090%
199	12.129	12.110	12.148	VV	6469	92732	1.03%	0.234%
200	12.178	12.148	12.198	VV	15130	236380	2.61%	0.598%
201	12.213	12.198	12.232	VV	6163	105951	1.17%	0.268%
202	12.243	12.232	12.250	VV	5066	50156	0.55%	0.127%
203	12.261	12.250	12.271	VV	5587	61355	0.68%	0.155%
204	12.291	12.271	12.374	VV	33951	536336	5.93%	1.356%
205	12.392	12.374	12.409	VV	1793	25156	0.28%	0.064%
206	12.432	12.409	12.455	VV	5359	86112	0.95%	0.218%
207	12.460	12.455	12.469	VV	2701	19830	0.22%	0.050%
208	12.480	12.469	12.502	VV	2859	41080	0.45%	0.104%
209	12.536	12.502	12.559	VV	4073	81092	0.90%	0.205%
210	12.583	12.559	12.606	VV	36235	431144	4.77%	1.090%
211	12.625	12.606	12.644	VV	18652	231841	2.56%	0.586%
212	12.650	12.644	12.672	VV	4874	67261	0.74%	0.170%
213	12.700	12.672	12.730	VV	115043	1393685	15.41%	3.524%
214	12.766	12.730	12.819	VV	2254	93479	1.03%	0.236%
215	12.823	12.819	12.845	VV	1193	15619	0.17%	0.039%
216	12.875	12.845	12.904	VV	3618	78840	0.87%	0.199%
217	12.925	12.904	12.962	VV	6662	104688	1.16%	0.265%
218	12.987	12.962	12.999	VV	3209	47329	0.52%	0.120%
219	13.010	12.999	13.028	VV	2985	45272	0.50%	0.114%
220	13.050	13.028	13.077	VV	5785	109089	1.21%	0.276%
221	13.099	13.077	13.130	VV	12663	187840	2.08%	0.475%
222	13.177	13.130	13.230	VV	12622	303668	3.36%	0.768%
223	13.248	13.230	13.263	VV	2472	38544	0.43%	0.097%
224	13.284	13.263	13.304	VV	10218	138131	1.53%	0.349%
225	13.319	13.304	13.343	VV	7569	108362	1.20%	0.274%
226	13.355	13.343	13.373	VV	2682	37287	0.41%	0.094%
227	13.405	13.373	13.427	VV	5547	108767	1.20%	0.275%
228	13.448	13.427	13.471	VV	9454	143495	1.59%	0.363%
229	13.489	13.471	13.521	VV	5913	100298	1.11%	0.254%
230	13.544	13.521	13.605	VV	6774	118648	1.31%	0.300%
231	13.628	13.605	13.660	VV	1142	29178	0.32%	0.074%
232	13.676	13.660	13.696	VV	1146	21901	0.24%	0.055%
233	13.718	13.696	13.734	VV	1238	21286	0.24%	0.054%
234	13.741	13.734	13.752	VV	972	9350	0.10%	0.024%
235	13.763	13.752	13.781	VV	1631	23923	0.26%	0.060%
236	13.791	13.781	13.807	VV	1597	19866	0.22%	0.050%
237	13.843	13.807	13.852	VV	2401	40406	0.45%	0.102%
238	13.882	13.852	13.950	VV	5060	177332	1.96%	0.448%
239	13.988	13.950	13.998	VV	3927	79717	0.88%	0.202%
240	14.010	13.998	14.035	VV	3877	70102	0.78%	0.177%
241	14.040	14.035	14.060	VV	2234	27736	0.31%	0.070%
242	14.100	14.060	14.122	VV	4173	113075	1.25%	0.286%
243	14.146	14.122	14.168	VV	7344	127919	1.41%	0.323%
244	14.182	14.168	14.205	VV	2504	49610	0.55%	0.125%
245	14.220	14.205	14.245	VV	2202	46163	0.51%	0.117%
246	14.273	14.245	14.296	VV	2951	66678	0.74%	0.169%

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247	14.310	14.296	14.325	VV	2467	35744	0.40%	0.090%
248	14.343	14.325	14.372	VV	2108	49960	0.55%	0.126%
249	14.417	14.372	14.434	VV	3551	82623	0.91%	0.209%
250	14.456	14.434	14.477	VV	16316	224565	2.48%	0.568%
251	14.495	14.477	14.530	VV	17067	273428	3.02%	0.691%
252	14.548	14.530	14.569	VV	3657	64941	0.72%	0.164%
253	14.614	14.569	14.627	VV	4830	101790	1.13%	0.257%
254	14.641	14.627	14.657	VV	4892	74471	0.82%	0.188%
255	14.672	14.657	14.720	VV	3978	96903	1.07%	0.245%
256	14.746	14.720	14.751	VV	1779	30176	0.33%	0.076%
257	14.779	14.751	14.795	VV	2274	53313	0.59%	0.135%
258	14.806	14.795	14.810	VV	2030	16987	0.19%	0.043%
259	14.814	14.810	14.840	VV	2163	32809	0.36%	0.083%
260	14.846	14.840	14.864	VV	1609	20849	0.23%	0.053%
261	14.922	14.864	15.004	VV	20106	442517	4.89%	1.119%
262	15.020	15.004	15.031	VV	2171	31871	0.35%	0.081%
263	15.079	15.031	15.105	VV	3938	119569	1.32%	0.302%
264	15.129	15.105	15.151	VV	8757	133028	1.47%	0.336%
265	15.167	15.151	15.190	VV	4298	75410	0.83%	0.191%
266	15.209	15.190	15.232	VV	3396	65898	0.73%	0.167%
267	15.236	15.232	15.242	VV	2377	14618	0.16%	0.037%
268	15.266	15.242	15.272	VV	4775	64707	0.72%	0.164%
269	15.289	15.272	15.325	VV	5340	121214	1.34%	0.306%
270	15.334	15.325	15.342	VV	1638	15024	0.17%	0.038%
271	15.376	15.342	15.396	VV	2283	60157	0.67%	0.152%
272	15.410	15.396	15.431	VV	1727	29803	0.33%	0.075%
273	15.463	15.431	15.477	VV	2148	49104	0.54%	0.124%
274	15.491	15.477	15.512	VV	3633	54107	0.60%	0.137%
275	15.528	15.512	15.545	VV	1777	32530	0.36%	0.082%
276	15.561	15.545	15.587	VV	2795	48577	0.54%	0.123%
277	15.592	15.587	15.596	VV	1098	5717	0.06%	0.014%
278	15.611	15.596	15.616	VV	1409	14895	0.16%	0.038%
279	15.626	15.616	15.652	VV	1653	25996	0.29%	0.066%
280	15.658	15.652	15.666	VV	856	6746	0.07%	0.017%
281	15.672	15.666	15.679	VV	867	5606	0.06%	0.014%
282	15.701	15.679	15.707	VV	1054	14252	0.16%	0.036%
283	15.729	15.707	15.752	VV	1938	37520	0.41%	0.095%
284	15.769	15.752	15.789	VV	1389	22308	0.25%	0.056%
285	15.827	15.789	15.862	VV	2012	59515	0.66%	0.150%
286	15.931	15.862	15.962	VV	3827	115083	1.27%	0.291%
287	15.968	15.962	15.973	VV	1394	8428	0.09%	0.021%
288	16.006	15.973	16.026	VV	14312	212834	2.35%	0.538%
289	16.037	16.026	16.087	VV	6133	104084	1.15%	0.263%
290	16.139	16.087	16.161	VV	4564	113403	1.25%	0.287%
291	16.176	16.161	16.227	VV	2254	52111	0.58%	0.132%
292	16.239	16.227	16.247	VV	864	8507	0.09%	0.022%
293	16.254	16.247	16.271	VV	910	10864	0.12%	0.027%
294	16.322	16.271	16.354	VV	9947	161053	1.78%	0.407%
295	16.383	16.354	16.429	VV	12478	200469	2.22%	0.507%
296	16.437	16.429	16.444	VV	1230	10442	0.12%	0.026%
297	16.447	16.444	16.463	VV	1166	11580	0.13%	0.029%
298	16.491	16.463	16.527	VV	3499	86600	0.96%	0.219%
299	16.550	16.527	16.572	VV	2309	43833	0.48%	0.111%

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300	16.583	16.572	16.597	VV	1209	16205	0.18%	0.041%
301	16.639	16.597	16.678	VV	2145	72682	0.80%	0.184%
302	16.690	16.678	16.717	VV	1117	18631	0.21%	0.047%
303	16.754	16.717	16.789	VV	3266	87268	0.96%	0.221%
304	16.804	16.789	16.832	VV	1696	34740	0.38%	0.088%
305	16.878	16.832	16.897	VV	3032	62892	0.70%	0.159%
306	16.909	16.897	16.935	VV	2128	37531	0.42%	0.095%
307	16.956	16.935	16.991	VV	2194	52838	0.58%	0.134%
308	16.996	16.991	17.002	VV	988	5597	0.06%	0.014%
309	17.007	17.002	17.019	VV	947	7631	0.08%	0.019%
310	17.037	17.019	17.066	VV	2880	46624	0.52%	0.118%
311	17.082	17.066	17.109	VV	1287	23461	0.26%	0.059%
312	17.115	17.109	17.127	VV	405	2969	0.03%	0.008%
313	17.154	17.127	17.190	PV	1126	24293	0.27%	0.061%
314	17.199	17.190	17.205	VV	414	2669	0.03%	0.007%
315	17.208	17.205	17.220	VV	367	2336	0.03%	0.006%
316	17.238	17.220	17.251	VV	594	7835	0.09%	0.020%
317	17.258	17.251	17.264	VV	401	2047	0.02%	0.005%
318	17.274	17.264	17.284	VV	269	2246	0.02%	0.006%
319	17.337	17.284	17.342	VV	1461	23010	0.25%	0.058%
320	17.351	17.342	17.366	VV	1572	20032	0.22%	0.051%
321	17.388	17.366	17.424	VV	3263	58734	0.65%	0.149%
322	17.435	17.424	17.449	VV	707	8703	0.10%	0.022%
323	17.476	17.449	17.505	VV	2510	45513	0.50%	0.115%
324	17.538	17.505	17.568	VV	887	23448	0.26%	0.059%
325	17.583	17.568	17.596	VV	852	12271	0.14%	0.031%
326	17.601	17.596	17.630	VV	951	8988	0.10%	0.023%
327	17.662	17.642	17.699	VV	2163	41847	0.46%	0.106%
328	17.708	17.699	17.715	VV	1034	9270	0.10%	0.023%
329	17.749	17.715	17.785	VV	15596	300792	3.33%	0.761%
330	17.807	17.785	17.839	VV	4760	95695	1.06%	0.242%
331	17.841	17.839	17.862	VV	955	9669	0.11%	0.024%
332	17.892	17.862	17.909	VV	2313	37194	0.41%	0.094%
333	17.919	17.909	17.950	VV	2035	27010	0.30%	0.068%
334	17.962	17.950	17.977	VV	590	5267	0.06%	0.013%
335	17.998	17.977	18.037	VV	7175	103434	1.14%	0.262%
336	18.056	18.037	18.092	VV	502	8584	0.09%	0.022%
337	18.101	18.092	18.112	PV	234	1145	0.01%	0.003%
338	18.145	18.112	18.175	PV	3491	50094	0.55%	0.127%
			Sum of corrected areas:			39549125		

Aromatic EPH 093024.M Wed Oct 23 07:57:57 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067490.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 04:16
Operator : YP/AJ
Sample : P4460-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-303-BOT

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 07:09:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 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...	12.937	4582483	40.484 ug/mlm
Spiked Amount 50.000		Recovery = 80.97%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

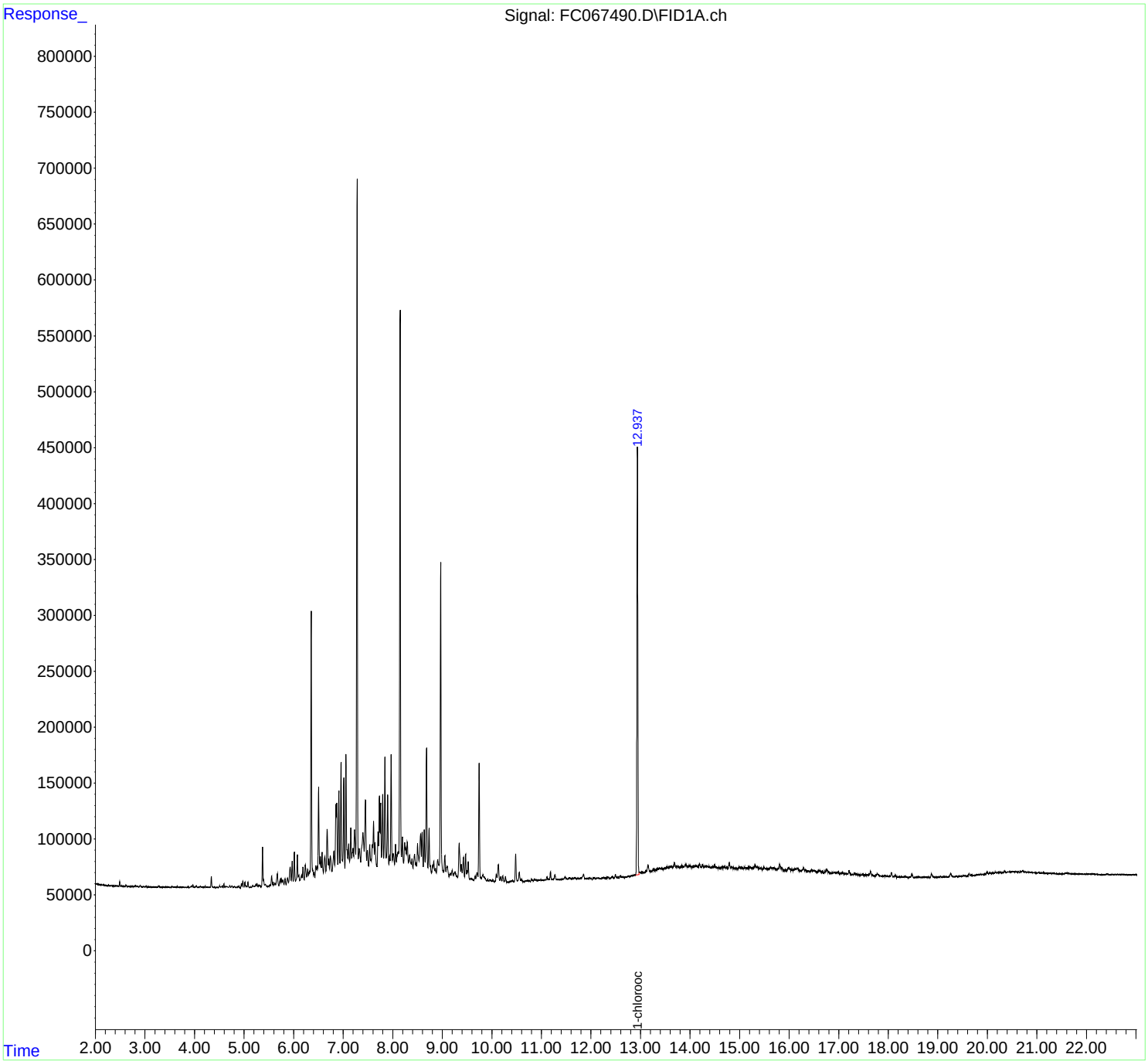
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067490.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 04:16
Operator : YP/AJ
Sample : P4460-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

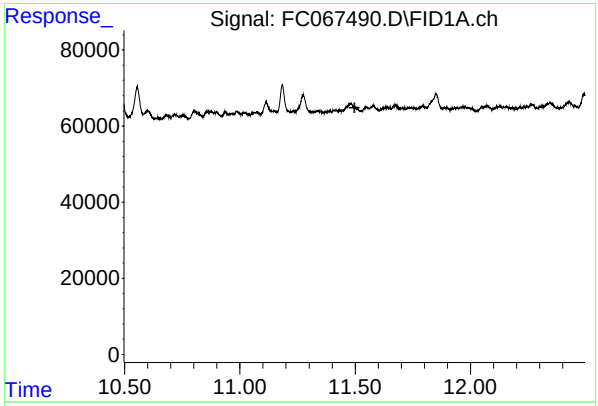
Integration File: autoint1.e
Quant Time: Oct 23 07:09:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

Instrument :
FID_C
ClientSampleId :
WB-303-BOT

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024





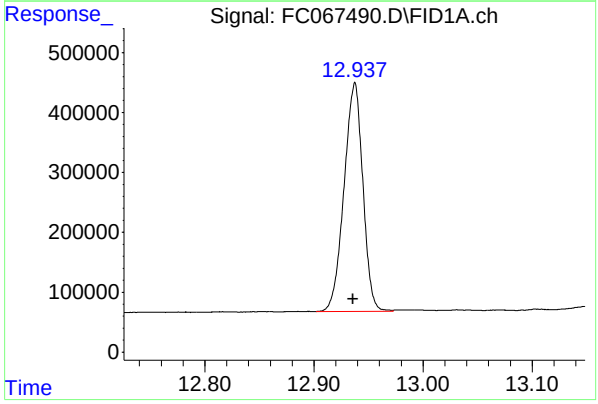
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.497 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WB-303-BOT

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024



#12 1-chlorooctadecane (SURR)

R.T.: 12.937 min
Delta R.T.: 0.001 min
Response: 4582483
Conc: 40.48 ug/ml m

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Instrument :
FID_C
ClientSampleId :
WB-303-BOT

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10222
Data File : FC067490.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 04:16
Sample : P4460-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.204	3.246	BV	62	-546	-0.01%	-0.001%
2	3.275	3.246	3.364	PV	1157	16054	0.23%	0.016%
3	3.375	3.364	3.391	VV	199	1668	0.02%	0.002%
4	3.404	3.391	3.414	VV	115	1221	0.02%	0.001%
5	3.423	3.414	3.450	VV	149	936	0.01%	0.001%
6	3.472	3.450	3.489	VV	388	3318	0.05%	0.003%
7	3.550	3.489	3.579	PV	503	8913	0.13%	0.009%
8	3.597	3.579	3.626	PV	456	5140	0.07%	0.005%
9	3.646	3.626	3.678	VV	857	9845	0.14%	0.010%
10	3.717	3.678	3.730	VV	220	3840	0.05%	0.004%
11	3.740	3.730	3.753	VV	208	1519	0.02%	0.001%
12	3.767	3.753	3.797	VV	267	3665	0.05%	0.004%
13	3.811	3.797	3.831	VV	156	1494	0.02%	0.001%
14	3.859	3.831	3.908	PV	558	11755	0.17%	0.012%
15	3.939	3.908	3.953	VV	1568	19454	0.28%	0.019%
16	3.968	3.953	3.991	VV	2339	22999	0.33%	0.023%
17	4.000	3.991	4.016	VV	505	5399	0.08%	0.005%
18	4.035	4.016	4.056	VV	1909	19086	0.27%	0.019%
19	4.117	4.056	4.133	VV	1336	19499	0.28%	0.019%
20	4.146	4.133	4.196	VV	634	12562	0.18%	0.012%
21	4.215	4.196	4.233	VV	1297	12895	0.18%	0.013%
22	4.252	4.233	4.275	VV	434	6451	0.09%	0.006%
23	4.292	4.275	4.314	VV	455	5908	0.08%	0.006%
24	4.339	4.314	4.389	VV	10005	101692	1.44%	0.100%
25	4.407	4.389	4.431	VV	259	3997	0.06%	0.004%
26	4.454	4.431	4.474	VV	285	4788	0.07%	0.005%
27	4.506	4.474	4.524	VV	1515	21952	0.31%	0.022%
28	4.537	4.524	4.547	VV	867	9915	0.14%	0.010%
29	4.562	4.547	4.576	VV	1641	17786	0.25%	0.018%
30	4.592	4.576	4.608	VV	3372	31959	0.45%	0.031%
31	4.620	4.608	4.632	VV	1214	11367	0.16%	0.011%
32	4.647	4.632	4.682	VV	1229	21776	0.31%	0.021%
33	4.712	4.682	4.730	VV	1896	25459	0.36%	0.025%
34	4.755	4.730	4.775	VV	1776	26216	0.37%	0.026%
35	4.809	4.775	4.841	VV	1184	22847	0.32%	0.023%
36	4.861	4.841	4.875	VV	860	10700	0.15%	0.011%

Instrument :
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WB-303-BOT

Manual IntegrationsAPPROVED

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rteres

37	4.891	4.875	4.918	VV	1137	16594	0.24%	0.016%
38	4.946	4.918	4.958	PV	3567	36281		
39	4.975	4.958	4.997	VV	5985	75055		
40	5.017	4.997	5.043	VV	4983	63915		
41	5.054	5.043	5.061	VV	1326	11424		
42	5.078	5.061	5.118	VV	5136	57869		
43	5.134	5.118	5.154	PV	562	6870	0.10%	0.007%
44	5.175	5.154	5.201	VV	2191	31277	0.44%	0.031%
45	5.240	5.201	5.251	VV	3182	50290	0.71%	0.050%
46	5.263	5.251	5.279	VV	3313	35075	0.50%	0.035%
47	5.301	5.279	5.312	VV	1684	27085	0.38%	0.027%
48	5.321	5.312	5.348	VV	1678	21667	0.31%	0.021%
49	5.373	5.348	5.414	VV	35669	431651	6.12%	0.425%
50	5.431	5.414	5.457	VV	2764	49334	0.70%	0.049%
51	5.470	5.457	5.480	VV	1050	12256	0.17%	0.012%
52	5.520	5.480	5.534	VV	1658	41282	0.59%	0.041%
53	5.556	5.534	5.577	VV	9828	136862	1.94%	0.135%
54	5.588	5.577	5.604	VV	4704	50895	0.72%	0.050%
55	5.622	5.604	5.638	VV	3573	53137	0.75%	0.052%
56	5.671	5.638	5.703	VV	12091	220829	3.13%	0.217%
57	5.723	5.703	5.730	VV	5432	56824	0.81%	0.056%
58	5.742	5.730	5.754	VV	8207	88539	1.26%	0.087%
59	5.764	5.754	5.775	VV	6359	66511	0.94%	0.066%
60	5.786	5.775	5.805	VV	6244	84664	1.20%	0.083%
61	5.827	5.805	5.849	VV	7491	114651	1.63%	0.113%
62	5.878	5.849	5.897	VV	8119	155068	2.20%	0.153%
63	5.930	5.897	5.950	VV	17611	337885	4.79%	0.333%
64	5.971	5.950	5.993	VV	22970	315902	4.48%	0.311%
65	6.014	5.993	6.041	VV	31244	406698	5.77%	0.401%
66	6.076	6.041	6.094	VV	28584	422168	5.99%	0.416%
67	6.105	6.094	6.125	VV	10186	154425	2.19%	0.152%
68	6.161	6.125	6.172	VV	10441	224306	3.18%	0.221%
69	6.189	6.172	6.214	VV	17402	282000	4.00%	0.278%
70	6.235	6.214	6.263	VV	19456	374867	5.32%	0.369%
71	6.284	6.263	6.299	VV	15455	262124	3.72%	0.258%
72	6.355	6.299	6.403	VV	245623	3094776	43.89%	3.048%
73	6.412	6.403	6.428	VV	12228	160711	2.28%	0.158%
74	6.448	6.428	6.464	VV	18407	312146	4.43%	0.307%
75	6.504	6.464	6.529	VV	88512	1409917	20.00%	1.389%
76	6.541	6.529	6.559	VV	26299	393184	5.58%	0.387%
77	6.575	6.559	6.602	VV	30588	510612	7.24%	0.503%
78	6.630	6.602	6.652	VV	26323	605923	8.59%	0.597%
79	6.677	6.652	6.701	VV	50874	927316	13.15%	0.913%
80	6.711	6.701	6.724	VV	24242	282347	4.00%	0.278%
81	6.742	6.724	6.773	VV	27009	595395	8.44%	0.586%
82	6.813	6.773	6.830	VV	30925	745945	10.58%	0.735%
83	6.870	6.830	6.892	VV	74277	1816544	25.76%	1.789%
84	6.913	6.892	6.936	VV	84893	1190607	16.89%	1.173%
85	6.957	6.936	6.987	VV	110536	1621174	22.99%	1.597%
86	7.014	6.987	7.035	VV	95835	1342852	19.05%	1.323%
87	7.057	7.035	7.094	VV	116535	1808510	25.65%	1.781%
88	7.111	7.094	7.131	VV	37296	647279	9.18%	0.637%
89	7.155	7.131	7.173	VV	51810	864411	12.26%	0.851%

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Instrument :
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rteres

Manual IntegrationsAPPROVED

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90	7.200	7.173	7.212	VV	32924	685124	9.72%	0.675%
91	7.229	7.212	7.253	VV	49966	957775	13	
92	7.281	7.253	7.306	VV	626621	7050558	100	
93	7.327	7.306	7.354	VV	32479	787934	11	
94	7.399	7.354	7.424	VV	46886	1521447	21	
95	7.450	7.424	7.476	VV	76178	1487811	21	
96	7.490	7.476	7.513	VV	31270	553874	7.86%	0.546%
97	7.536	7.513	7.556	VV	35809	675233	9.58%	0.665%
98	7.614	7.556	7.631	VV	57308	1541733	21.87%	1.518%
99	7.643	7.631	7.680	VV	38237	796373	11.30%	0.784%
100	7.704	7.680	7.714	VV	47481	664795	9.43%	0.655%
101	7.731	7.714	7.745	VV	79713	1066942	15.13%	1.051%
102	7.756	7.745	7.775	VV	73256	917148	13.01%	0.903%
103	7.798	7.775	7.819	VV	80692	1243504	17.64%	1.225%
104	7.843	7.819	7.869	VV	113904	1683905	23.88%	1.658%
105	7.899	7.869	7.923	VV	80457	1323422	18.77%	1.303%
106	7.938	7.923	7.947	VV	25625	333058	4.72%	0.328%
107	7.969	7.947	7.993	VV	116848	1577623	22.38%	1.554%
108	8.012	7.993	8.038	VV	27715	640612	9.09%	0.631%
109	8.057	8.038	8.075	VV	36136	599390	8.50%	0.590%
110	8.150	8.075	8.178	VV	519366	6837891	96.98%	6.735%
111	8.196	8.178	8.219	VV	42446	740469	10.50%	0.729%
112	8.242	8.219	8.276	VV	37355	1020936	14.48%	1.006%
113	8.295	8.276	8.318	VV	37679	741957	10.52%	0.731%
114	8.341	8.318	8.373	VV	26034	722783	10.25%	0.712%
115	8.390	8.373	8.408	VV	22186	406397	5.76%	0.400%
116	8.441	8.408	8.463	VV	26770	694867	9.86%	0.684%
117	8.473	8.463	8.483	VV	19347	216284	3.07%	0.213%
118	8.503	8.483	8.531	VV	36439	748517	10.62%	0.737%
119	8.564	8.531	8.580	VV	44940	980595	13.91%	0.966%
120	8.595	8.580	8.617	VV	46246	701983	9.96%	0.691%
121	8.637	8.617	8.655	VV	48059	709337	10.06%	0.699%
122	8.682	8.655	8.710	VV	120928	1782694	25.28%	1.756%
123	8.734	8.710	8.782	VV	49792	981438	13.92%	0.967%
124	8.829	8.782	8.850	VV	20292	609751	8.65%	0.601%
125	8.862	8.850	8.881	VV	13633	227368	3.22%	0.224%
126	8.908	8.881	8.936	VV	21248	555971	7.89%	0.548%
127	8.969	8.936	9.018	VV	285303	3698798	52.46%	3.643%
128	9.052	9.018	9.074	VV	24747	535860	7.60%	0.528%
129	9.100	9.074	9.137	VV	15024	447888	6.35%	0.441%
130	9.161	9.137	9.178	VV	8939	195414	2.77%	0.192%
131	9.201	9.178	9.219	VV	11743	236790	3.36%	0.233%
132	9.227	9.219	9.235	VV	8590	81433	1.15%	0.080%
133	9.250	9.235	9.311	VV	10037	357694	5.07%	0.352%
134	9.342	9.311	9.373	VV	35665	720763	10.22%	0.710%
135	9.385	9.373	9.403	VV	17038	236772	3.36%	0.233%
136	9.427	9.403	9.449	VV	23069	393396	5.58%	0.387%
137	9.472	9.449	9.492	VV	25717	383615	5.44%	0.378%
138	9.525	9.492	9.554	VV	19148	384488	5.45%	0.379%
139	9.579	9.554	9.638	VV	4250	165865	2.35%	0.163%
140	9.663	9.638	9.677	VV	5533	96951	1.38%	0.095%
141	9.702	9.677	9.720	VV	8981	173517	2.46%	0.171%

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Instrument :
FID_C
ClientSampleId :
WB-303-BOT

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

A B C D E F G H I J

rteres

142	9.745	9.720	9.790	VV	107178	1335814	18.95%	1.316%
143	9.817	9.790	9.839	VV	6868	162845	2	
144	9.848	9.839	9.893	VV	5404	120155	1	
145	9.917	9.893	9.937	VV	2752	54747	0	
146	9.957	9.937	9.998	VV	2685	71334	1	
147	10.020	9.998	10.044	VV	2367	45258	0	
148	10.091	10.044	10.105	VV	7002	114846	1.63%	0.113%
149	10.133	10.105	10.160	VV	16158	289400	4.10%	0.285%
150	10.180	10.160	10.200	VV	5185	78303	1.11%	0.077%
151	10.222	10.200	10.248	VV	5734	85854	1.22%	0.085%
152	10.276	10.248	10.311	VV	5158	70624	1.00%	0.070%
153	10.343	10.311	10.358	PV	320	4797	0.07%	0.005%
154	10.378	10.358	10.394	VV	871	13372	0.19%	0.013%
155	10.413	10.394	10.441	VV	1528	25706	0.36%	0.025%
156	10.482	10.441	10.517	VV	25410	319484	4.53%	0.315%
157	10.555	10.517	10.583	VV	8632	151365	2.15%	0.149%
158	10.600	10.583	10.628	VV	2122	38859	0.55%	0.038%
159	10.643	10.628	10.659	VV	367	4552	0.06%	0.004%
160	10.681	10.659	10.700	VV	934	15427	0.22%	0.015%
161	10.718	10.700	10.741	VV	1144	20307	0.29%	0.020%
162	10.756	10.741	10.778	VV	972	13059	0.19%	0.013%
163	10.803	10.778	10.838	PV	2060	39352	0.56%	0.039%
164	10.872	10.838	10.918	VV	1626	58877	0.84%	0.058%
165	10.937	10.918	10.950	VV	1465	17409	0.25%	0.017%
166	10.987	10.950	11.008	VV	1488	33412	0.47%	0.033%
167	11.017	11.008	11.044	VV	982	17531	0.25%	0.017%
168	11.074	11.044	11.091	VV	1033	22113	0.31%	0.022%
169	11.114	11.091	11.143	VV	3699	60425	0.86%	0.060%
170	11.184	11.143	11.224	VV	8110	129571	1.84%	0.128%
171	11.231	11.224	11.238	VV	1031	7857	0.11%	0.008%
172	11.274	11.238	11.323	VV	5074	102638	1.46%	0.101%
173	11.335	11.323	11.366	VV	865	15664	0.22%	0.015%
174	11.416	11.366	11.428	VV	859	22054	0.31%	0.022%
175	11.436	11.428	11.441	VV	728	5360	0.08%	0.005%
176	11.481	11.441	11.525	VV	2414	68618	0.97%	0.068%
177	11.549	11.525	11.560	VV	1377	20491	0.29%	0.020%
178	11.579	11.560	11.604	VV	1688	29360	0.42%	0.029%
179	11.637	11.604	11.658	VV	1030	27985	0.40%	0.028%
180	11.675	11.658	11.721	VV	1814	36963	0.52%	0.036%
181	11.735	11.721	11.764	VV	909	17612	0.25%	0.017%
182	11.794	11.764	11.807	VV	1159	20141	0.29%	0.020%
183	11.851	11.807	11.908	VV	4151	92712	1.31%	0.091%
184	11.965	11.908	12.001	VBA	470	22840	0.32%	0.022%
185	12.073	12.001	12.094	BV	885	11368	0.16%	0.011%
186	12.126	12.094	12.138	PV	751	13469	0.19%	0.013%
187	12.157	12.138	12.203	VV	707	14983	0.21%	0.015%
188	12.215	12.203	12.222	PV	402	3394	0.05%	0.003%
189	12.264	12.222	12.291	VV	1184	25246	0.36%	0.025%
190	12.345	12.291	12.394	VV	1415	39502	0.56%	0.039%
191	12.427	12.394	12.467	PV	1685	34400	0.49%	0.034%
192	12.492	12.467	12.521	VV	3685	54313	0.77%	0.053%
193	12.528	12.521	12.545	VV	947	11381	0.16%	0.011%
194	12.594	12.545	12.618	VV	2285	50026	0.71%	0.049%

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Instrument :
FID_C
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WB-303-BOT

rteres

195	12.636	12.618	12.670	VV	1233	25904	0.37%	0.026%
196	12.703	12.670	12.723	VV	1075	24181		
197	12.750	12.723	12.764	VV	1582	32101		
198	12.775	12.764	12.798	VV	1601	27856		
199	12.816	12.798	12.832	VV	2099	36084		
200	12.854	12.832	12.871	VV	2314	46299		
201	12.937	12.871	12.972	VV	384988	4731534	67.11%	4.660%
202	12.983	12.972	13.012	VV	5023	109265	1.55%	0.108%
203	13.032	13.012	13.055	VV	4994	113880	1.62%	0.112%
204	13.070	13.055	13.084	VV	4755	75981	1.08%	0.075%
205	13.105	13.084	13.118	VV	6024	104762	1.49%	0.103%
206	13.152	13.118	13.227	VV	11082	439944	6.24%	0.433%
207	13.262	13.227	13.294	VV	7578	249280	3.54%	0.246%
208	13.375	13.294	13.450	VV	7809	656144	9.31%	0.646%
209	13.538	13.450	13.559	VV	8679	494396	7.01%	0.487%
210	13.604	13.559	13.651	VV	9005	468648	6.65%	0.462%
211	13.685	13.651	13.717	VV	12047	379785	5.39%	0.374%
212	13.735	13.717	13.808	VV	9256	450982	6.40%	0.444%
213	13.836	13.808	13.874	VV	9155	334353	4.74%	0.329%
214	13.921	13.874	13.941	VV	9924	369157	5.24%	0.364%
215	13.997	13.941	14.050	VV	8852	545804	7.74%	0.538%
216	14.074	14.050	14.101	VV	8861	252286	3.58%	0.248%
217	14.123	14.101	14.161	VV	9041	301757	4.28%	0.297%
218	14.193	14.161	14.227	VV	10112	337077	4.78%	0.332%
219	14.250	14.227	14.288	VV	9678	296591	4.21%	0.292%
220	14.315	14.288	14.422	VV	8489	612649	8.69%	0.603%
221	14.454	14.422	14.475	VV	7825	227476	3.23%	0.224%
222	14.498	14.475	14.611	VV	8541	548430	7.78%	0.540%
223	14.619	14.611	14.624	VV	6141	48634	0.69%	0.048%
224	14.647	14.624	14.661	VV	6648	140331	1.99%	0.138%
225	14.707	14.661	14.731	VV	6868	268165	3.80%	0.264%
226	14.790	14.731	14.820	VV	10718	375086	5.32%	0.369%
227	14.843	14.820	14.907	VV	6593	303794	4.31%	0.299%
228	14.927	14.907	14.958	VV	5311	154010	2.18%	0.152%
229	14.987	14.958	15.021	VV	6433	213646	3.03%	0.210%
230	15.029	15.021	15.074	VV	5997	171351	2.43%	0.169%
231	15.101	15.074	15.135	VV	5871	191292	2.71%	0.188%
232	15.174	15.135	15.191	VV	5813	175134	2.48%	0.172%
233	15.220	15.191	15.271	VV	6069	254698	3.61%	0.251%
234	15.309	15.271	15.344	VV	8558	271556	3.85%	0.267%
235	15.359	15.344	15.389	VV	6155	146422	2.08%	0.144%
236	15.399	15.389	15.411	VV	4746	58708	0.83%	0.058%
237	15.427	15.411	15.454	VV	4644	111297	1.58%	0.110%
238	15.494	15.454	15.548	VV	5111	235229	3.34%	0.232%
239	15.567	15.548	15.590	VV	4418	96902	1.37%	0.095%
240	15.629	15.590	15.673	VV	5025	213804	3.03%	0.211%
241	15.684	15.673	15.754	VV	4718	187978	2.67%	0.185%
242	15.808	15.754	15.833	VV	6932	212168	3.01%	0.209%
243	15.844	15.833	15.954	VV	4276	187285	2.66%	0.184%
244	15.993	15.954	16.035	VV	4545	150597	2.14%	0.148%
245	16.044	16.035	16.078	VV	2310	51783	0.73%	0.051%
246	16.164	16.078	16.209	VV	3672	199026	2.82%	0.196%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Instrument :
FID_C
ClientSampleId :
WB-303-BOT

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

rteres

247	16.216	16.209	16.235	VV	1507	19060	0.27%	0.019%
248	16.290	16.235	16.317	VV	3986	96763	1	
249	16.334	16.317	16.356	VV	1857	26000	0	
250	16.379	16.356	16.418	VV	621	14082	0	
251	16.445	16.418	16.474	PV	619	14427	0	
252	16.597	16.538	16.654	BV	1188	39200	0	
253	16.659	16.654	16.702	VV	760	8465	0.12%	0.008%
254	16.757	16.702	16.827	PV	3722	105465	1.50%	0.104%
255	16.849	16.827	16.864	PV	467	5973	0.08%	0.006%
256	16.908	16.864	16.958	VV	1065	41631	0.59%	0.041%
257	16.982	16.958	17.029	VV	1913	42923	0.61%	0.042%
258	17.080	17.029	17.119	VV	1544	46147	0.65%	0.045%
259	17.130	17.119	17.184	VV	866	28537	0.40%	0.028%
260	17.208	17.184	17.268	VV	3711	73300	1.04%	0.072%
261	17.274	17.268	17.291	VV	512	5818	0.08%	0.006%
262	17.314	17.291	17.441	PV	1482	71803	1.02%	0.071%
263	17.449	17.441	17.456	VV	541	4419	0.06%	0.004%
264	17.485	17.456	17.514	VV	1117	27432	0.39%	0.027%
265	17.538	17.514	17.558	VV	959	20180	0.29%	0.020%
266	17.575	17.558	17.596	VV	1301	21838	0.31%	0.022%
267	17.643	17.596	17.670	VV	4615	88585	1.26%	0.087%
268	17.681	17.670	17.725	VV	1398	22687	0.32%	0.022%
269	17.778	17.725	17.865	PV	2464	76755	1.09%	0.076%
270	17.885	17.865	17.894	VV	392	4195	0.06%	0.004%
271	17.926	17.894	17.952	VV	909	21766	0.31%	0.021%
272	17.961	17.952	18.036	VV	738	28024	0.40%	0.028%
273	18.066	18.036	18.102	VV	3728	62327	0.88%	0.061%
274	18.113	18.102	18.124	VV	511	5245	0.07%	0.005%
275	18.146	18.124	18.177	VV	2132	27575	0.39%	0.027%
276	18.202	18.177	18.258	VV	266	5989	0.08%	0.006%
277	18.263	18.258	18.269	VV	271	1166	0.02%	0.001%
278	18.276	18.269	18.291	VV	300	2583	0.04%	0.003%
279	18.305	18.291	18.313	VV	427	4314	0.06%	0.004%
280	18.332	18.313	18.342	VV	776	9136	0.13%	0.009%
281	18.349	18.342	18.414	VV	656	12783	0.18%	0.013%
282	18.473	18.414	18.515	VV	3667	66486	0.94%	0.065%
283	18.524	18.515	18.532	VV	321	1294	0.02%	0.001%
284	18.537	18.532	18.548	PV	93	468	0.01%	0.000%
285	18.571	18.548	18.598	VV	656	11297	0.16%	0.011%
286	18.616	18.598	18.685	VV	877	21606	0.31%	0.021%
287	18.701	18.685	18.714	VV	351	4711	0.07%	0.005%
288	18.734	18.714	18.814	VV	772	22124	0.31%	0.022%
289	18.828	18.814	18.840	PV	239	2548	0.04%	0.003%
290	18.870	18.840	18.933	VV	3060	63280	0.90%	0.062%
291	18.970	18.933	19.001	VV	441	7499	0.11%	0.007%
292	19.057	19.001	19.094	VV	640	14645	0.21%	0.014%
293	19.115	19.094	19.144	VV	416	7726	0.11%	0.008%
294	19.169	19.144	19.195	VV	384	7002	0.10%	0.007%
295	19.257	19.195	19.331	PV	3289	80344	1.14%	0.079%
296	19.373	19.331	19.411	VV	633	16034	0.23%	0.016%
297	19.506	19.411	19.527	VV	925	34943	0.50%	0.034%
298	19.548	19.527	19.598	VV	944	29865	0.42%	0.029%
299	19.631	19.598	19.655	VV	2630	48680	0.69%	0.048%

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Instrument :
FID_C
ClientSampleId :
WB-303-BOT

rteres

300	19.673	19.655	19.720	VV	1399	39964	0.57%	0.039%
301	19.869	19.720	19.923	VV	1836	175008	2	
302	19.936	19.923	19.940	VV	1647	17266	0	
303	19.996	19.940	20.023	VV	3616	120920	1	
304	20.052	20.023	20.081	VV	2937	89141	1	
305	20.171	20.081	20.182	VV	3326	169299	2	
306	20.188	20.182	20.195	VV	2996	22810	0.32%	0.022%
307	20.264	20.195	20.289	VV	3279	168075	2.38%	0.166%
308	20.299	20.289	20.305	VV	3020	28777	0.41%	0.028%
309	20.349	20.305	20.396	VV	4292	184510	2.62%	0.182%
310	20.470	20.396	20.493	VV	3587	196302	2.78%	0.193%
311	20.520	20.493	20.550	VV	3696	121134	1.72%	0.119%
312	20.574	20.550	20.634	VV	3418	163829	2.32%	0.161%
313	20.639	20.634	20.651	VV	3132	30904	0.44%	0.030%
314	20.715	20.651	20.768	VV	4079	238664	3.39%	0.235%
315	20.782	20.768	20.864	VV	3032	164295	2.33%	0.162%
316	20.868	20.864	20.881	VV	2677	25653	0.36%	0.025%
317	20.887	20.881	20.971	VV	2583	122749	1.74%	0.121%
318	20.978	20.971	21.006	VV	2158	43304	0.61%	0.043%
319	21.038	21.006	21.103	VV	2278	112891	1.60%	0.111%
320	21.134	21.103	21.214	VV	2166	108420	1.54%	0.107%
321	21.264	21.214	21.291	VV	1345	59839	0.85%	0.059%
322	21.302	21.291	21.332	VV	1281	28217	0.40%	0.028%
323	21.340	21.332	21.358	VV	1201	16926	0.24%	0.017%
324	21.372	21.358	21.384	VV	1145	16167	0.23%	0.016%
325	21.396	21.384	21.439	VV	1171	28817	0.41%	0.028%
326	21.448	21.439	21.474	VV	712	13855	0.20%	0.014%
327	21.526	21.474	21.538	VV	767	25607	0.36%	0.025%
328	21.591	21.538	21.654	VV	1210	64121	0.91%	0.063%
329	21.661	21.654	21.691	VV	897	14285	0.20%	0.014%
330	21.701	21.691	21.728	VV	650	8094	0.11%	0.008%
331	21.749	21.728	21.801	VBA	339	6337	0.09%	0.006%

Sum of corrected areas: 101534196

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Aliphatic EPH 100224.M Thu Oct 24 04:42:27 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048553.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 04:16
Operator : YP/AJ
Sample : P4460-03
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-303-BOT

Integration File: autoint1.e
Quant Time: Oct 23 05:09:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 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...	7.375	7189130	43.421 ug/ml
Spiked Amount 50.000		Recovery =	86.84%
6) S 2-Flurobiphenyl (SURR)	8.224	4564356	44.013 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	88.03%
11) S ortho-Terphenyl (SURR)	11.260	5458641	29.667 ug/ml
Spiked Amount 50.000		Recovery =	59.33%
Target Compounds			

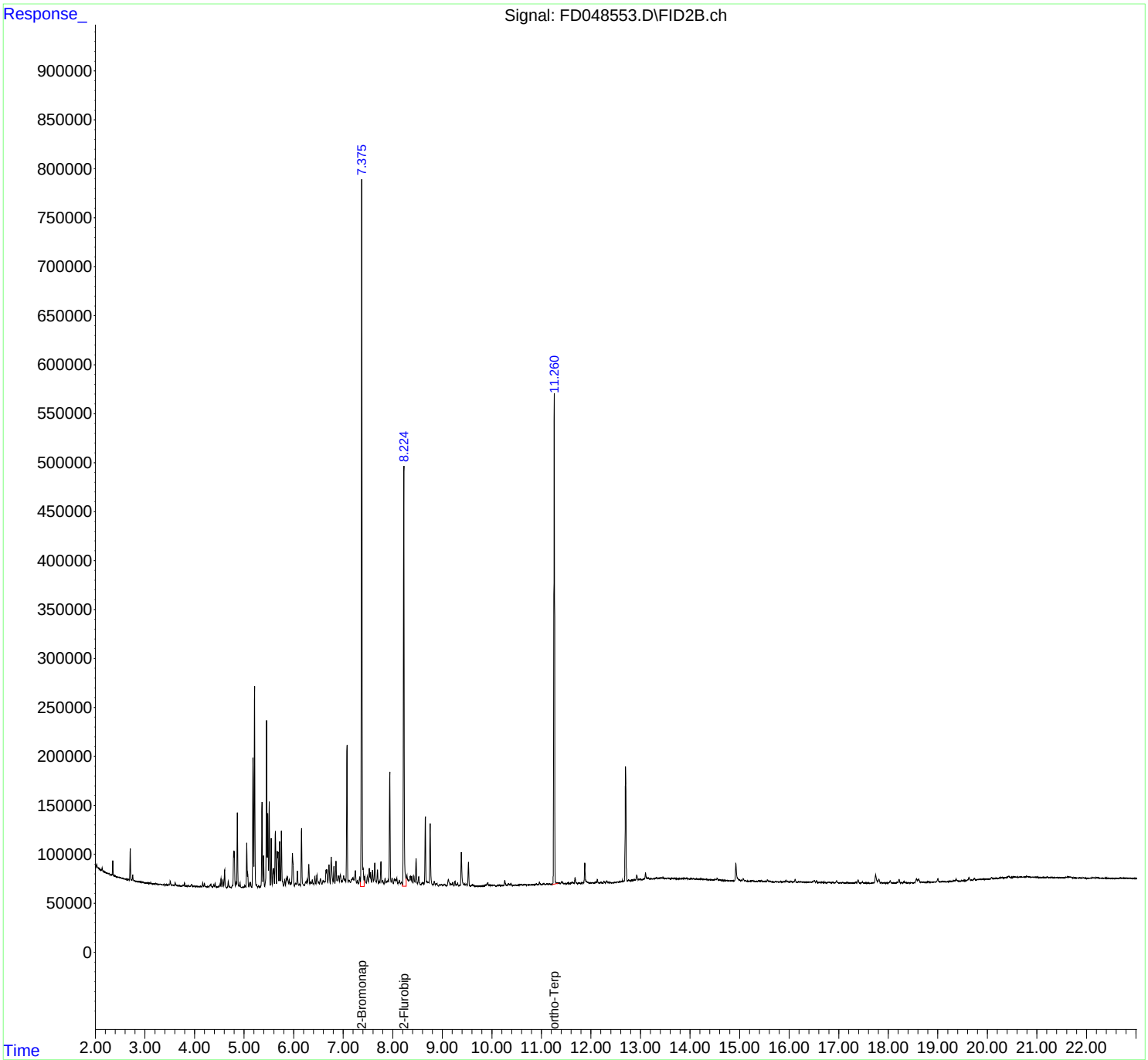
(f)=RT Delta > 1/2 Window (m)=manual int.

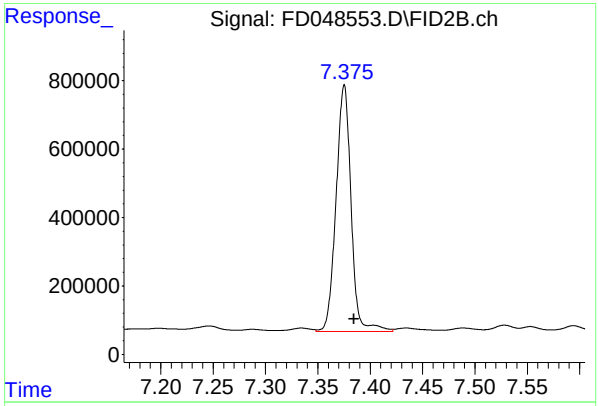
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048553.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 04:16
Operator : YP/AJ
Sample : P4460-03
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-303-BOT

Integration File: autoint1.e
Quant Time: Oct 23 05:09:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

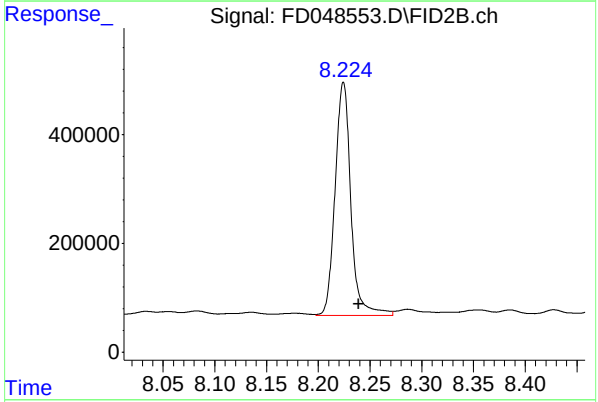




#4 2-Bromonaphthalene (SURR)

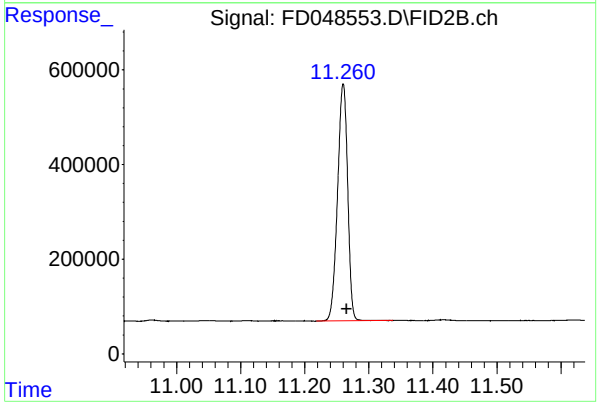
R.T.: 7.375 min
Delta R.T.: -0.009 mi
Response: 7189130
Conc: 43.42 ug/m

Instrument :
FID_D
ClientSampleId :
WB-303-BOT



#6 2-Flurobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: -0.015 min
Response: 4564356
Conc: 44.01 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.260 min
Delta R.T.: -0.006 min
Response: 5458641
Conc: 29.67 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048553.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 04:16
Sample : P4460-03
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.166	4.152	4.187	PH	4284	37178	0.53%	0.055%
2	4.202	4.187	4.223	PV	3395	30583	0.44%	0.045%
3	4.234	4.223	4.249	VV	437	3985	0.06%	0.006%
4	4.275	4.249	4.290	PV	734	8172	0.12%	0.012%
5	4.306	4.290	4.317	VV	1644	15651	0.22%	0.023%
6	4.330	4.317	4.354	VV	3195	34068	0.49%	0.051%
7	4.360	4.354	4.368	VV	549	2795	0.04%	0.004%
8	4.385	4.368	4.400	VV	2747	26119	0.37%	0.039%
9	4.415	4.400	4.445	VV	4414	41946	0.60%	0.062%
10	4.485	4.445	4.495	PV	836	11779	0.17%	0.018%
11	4.510	4.495	4.520	VV	2536	23206	0.33%	0.035%
12	4.535	4.520	4.554	VV	9005	87257	1.24%	0.130%
13	4.573	4.554	4.591	VV	7714	89836	1.28%	0.134%
14	4.607	4.591	4.643	VV	18117	182090	2.59%	0.271%
15	4.650	4.643	4.656	VV	247	1174	0.02%	0.002%
16	4.681	4.656	4.700	PV	6649	63337	0.90%	0.094%
17	4.710	4.700	4.740	VV	1077	11489	0.16%	0.017%
18	4.765	4.740	4.771	VV	2434	21240	0.30%	0.032%
19	4.790	4.771	4.797	VV	37270	321896	4.58%	0.479%
20	4.803	4.797	4.824	VV	37122	324441	4.62%	0.483%
21	4.839	4.824	4.847	VV	5655	54667	0.78%	0.081%
22	4.865	4.847	4.888	VV	76346	692084	9.85%	1.029%
23	4.895	4.888	4.905	VV	2090	16535	0.24%	0.025%
24	4.918	4.905	4.947	VV	5062	48361	0.69%	0.072%
25	4.956	4.947	4.964	VV	325	2559	0.04%	0.004%
26	4.978	4.964	5.000	VV	971	10753	0.15%	0.016%
27	5.016	5.000	5.031	VV	2152	21548	0.31%	0.032%
28	5.054	5.031	5.068	VV	45710	414247	5.90%	0.616%
29	5.075	5.068	5.097	VV	14032	120425	1.71%	0.179%
30	5.114	5.097	5.123	VV	4810	42800	0.61%	0.064%
31	5.132	5.123	5.159	VV	5062	48165	0.69%	0.072%
32	5.180	5.159	5.196	VV	132015	1271300	18.10%	1.891%
33	5.212	5.196	5.243	VV	205056	1916024	27.28%	2.850%
34	5.251	5.243	5.279	VV	2972	32095	0.46%	0.048%
35	5.294	5.279	5.308	VV	1977	22319	0.32%	0.033%
36	5.317	5.308	5.332	VV	990	10851	0.15%	0.016%

rteres

37	5.362	5.332	5.380	VV	87103	805859	11.47%	1.199%
38	5.394	5.380	5.416	VV	32437	307548	4.38%	0.457%
39	5.454	5.416	5.469	VV	170219	1622618	23.10%	2.413%
40	5.480	5.469	5.494	VV	75903	742028	10.56%	1.104%
41	5.507	5.494	5.529	VV	87425	810564	11.54%	1.206%
42	5.549	5.529	5.568	VV	50017	481541	6.86%	0.716%
43	5.584	5.568	5.590	VV	17218	153588	2.19%	0.228%
44	5.598	5.590	5.613	VV	19517	192662	2.74%	0.287%
45	5.632	5.613	5.653	VV	57404	678269	9.66%	1.009%
46	5.670	5.653	5.678	VV	37032	364718	5.19%	0.542%
47	5.687	5.678	5.702	VV	36392	372527	5.30%	0.554%
48	5.716	5.702	5.735	VV	46848	452497	6.44%	0.673%
49	5.754	5.735	5.799	VV	57643	666312	9.49%	0.991%
50	5.821	5.799	5.836	VV	8206	103642	1.48%	0.154%
51	5.853	5.836	5.860	VV	8397	85293	1.21%	0.127%
52	5.874	5.860	5.899	VV	11273	186899	2.66%	0.278%
53	5.913	5.899	5.926	VV	7932	88770	1.26%	0.132%
54	5.936	5.926	5.945	VV	4591	44809	0.64%	0.067%
55	5.977	5.945	6.019	VV	34948	586520	8.35%	0.872%
56	6.035	6.019	6.056	VV	4050	73349	1.04%	0.109%
57	6.076	6.056	6.100	VV	16668	201028	2.86%	0.299%
58	6.123	6.100	6.136	VV	2949	53605	0.76%	0.080%
59	6.160	6.136	6.207	VV	60316	660137	9.40%	0.982%
60	6.245	6.207	6.256	VV	5434	105352	1.50%	0.157%
61	6.273	6.256	6.285	VV	8047	107893	1.54%	0.160%
62	6.307	6.285	6.327	VV	23401	308804	4.40%	0.459%
63	6.341	6.327	6.361	VV	5504	95262	1.36%	0.142%
64	6.377	6.361	6.394	VV	7662	102326	1.46%	0.152%
65	6.402	6.394	6.412	VV	4034	41743	0.59%	0.062%
66	6.429	6.412	6.450	VV	10965	154038	2.19%	0.229%
67	6.470	6.450	6.499	VV	12652	214547	3.05%	0.319%
68	6.506	6.499	6.520	VV	5421	60913	0.87%	0.091%
69	6.541	6.520	6.573	VV	8876	180208	2.57%	0.268%
70	6.596	6.573	6.609	VV	6963	115553	1.65%	0.172%
71	6.616	6.609	6.627	VV	5748	58583	0.83%	0.087%
72	6.655	6.627	6.663	VV	17695	232652	3.31%	0.346%
73	6.671	6.663	6.689	VV	17968	195893	2.79%	0.291%
74	6.715	6.689	6.738	VV	22932	361683	5.15%	0.538%
75	6.759	6.738	6.797	VV	30598	526699	7.50%	0.783%
76	6.814	6.797	6.832	VV	21504	248212	3.53%	0.369%
77	6.856	6.832	6.875	VV	26729	343740	4.89%	0.511%
78	6.880	6.875	6.885	VV	7033	39753	0.57%	0.059%
79	6.901	6.885	6.924	VV	11793	220748	3.14%	0.328%
80	6.946	6.924	6.966	VV	12325	234581	3.34%	0.349%
81	6.977	6.966	6.983	VV	6340	59289	0.84%	0.088%
82	7.011	6.983	7.025	VV	11578	213554	3.04%	0.318%
83	7.036	7.025	7.052	VV	7887	113199	1.61%	0.168%
84	7.077	7.052	7.100	VV	144691	1520663	21.65%	2.262%
85	7.117	7.100	7.124	VV	6752	86201	1.23%	0.128%
86	7.126	7.124	7.147	VV	6883	80351	1.14%	0.120%
87	7.182	7.147	7.187	VV	8285	162597	2.32%	0.242%
88	7.198	7.187	7.222	VV	9852	177191	2.52%	0.264%
89	7.246	7.222	7.275	VV	16763	314837	4.48%	0.468%

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90	7.288	7.275	7.307	VV	6886	97298	1.39%	0.145%
91	7.334	7.307	7.350	VV	10549	166419	2.37%	0.248%
92	7.375	7.350	7.399	VV	721740	7023609	100.00%	10.446%
93	7.403	7.399	7.421	VV	18750	184933	2.63%	0.275%
94	7.434	7.421	7.467	VV	10731	196092	2.79%	0.292%
95	7.489	7.467	7.508	VV	10743	182611	2.60%	0.272%
96	7.528	7.508	7.542	VV	19066	257612	3.67%	0.383%
97	7.553	7.542	7.572	VV	15008	183343	2.61%	0.273%
98	7.594	7.572	7.612	VV	17510	247975	3.53%	0.369%
99	7.639	7.612	7.662	VV	24720	361478	5.15%	0.538%
100	7.666	7.662	7.674	VV	5662	41019	0.58%	0.061%
101	7.694	7.674	7.715	VV	17561	232085	3.30%	0.345%
102	7.729	7.715	7.742	VV	5573	78230	1.11%	0.116%
103	7.763	7.742	7.784	VV	26062	320586	4.56%	0.477%
104	7.798	7.784	7.827	VV	6305	123128	1.75%	0.183%
105	7.846	7.827	7.864	VV	8766	132553	1.89%	0.197%
106	7.904	7.864	7.916	VV	6462	171486	2.44%	0.255%
107	7.941	7.916	7.972	VV	117495	1316367	18.74%	1.958%
108	7.988	7.972	8.012	VV	9126	151927	2.16%	0.226%
109	8.034	8.012	8.044	VV	8237	117682	1.68%	0.175%
110	8.055	8.044	8.068	VV	7790	101219	1.44%	0.151%
111	8.082	8.068	8.103	VV	9067	139167	1.98%	0.207%
112	8.135	8.103	8.156	VV	6526	145458	2.07%	0.216%
113	8.177	8.156	8.196	VV	4727	90973	1.30%	0.135%
114	8.224	8.196	8.274	VV	429333	4597928	65.46%	6.838%
115	8.287	8.274	8.317	VV	12098	228261	3.25%	0.339%
116	8.327	8.317	8.333	VV	6691	61400	0.87%	0.091%
117	8.353	8.333	8.372	VV	10561	206681	2.94%	0.307%
118	8.386	8.372	8.408	VV	10942	165443	2.36%	0.246%
119	8.428	8.408	8.452	VV	11070	182172	2.59%	0.271%
120	8.473	8.452	8.505	VV	28825	388482	5.53%	0.578%
121	8.525	8.505	8.572	VV	10289	193185	2.75%	0.287%
122	8.590	8.572	8.606	VV	3850	62675	0.89%	0.093%
123	8.618	8.606	8.633	VV	4092	55548	0.79%	0.083%
124	8.659	8.633	8.681	VV	71571	746474	10.63%	1.110%
125	8.692	8.681	8.707	VV	5846	79174	1.13%	0.118%
126	8.721	8.707	8.733	VV	4674	69076	0.98%	0.103%
127	8.757	8.733	8.804	VV	64585	797921	11.36%	1.187%
128	8.808	8.804	8.816	VV	2524	17638	0.25%	0.026%
129	8.840	8.816	8.860	VV	5479	94459	1.34%	0.140%
130	8.877	8.860	8.882	VV	3017	34074	0.49%	0.051%
131	8.893	8.882	8.924	VV	3388	50085	0.71%	0.074%
132	8.942	8.924	8.960	VV	1908	31126	0.44%	0.046%
133	8.990	8.960	9.005	VV	2135	46310	0.66%	0.069%
134	9.035	9.005	9.047	VV	2464	43410	0.62%	0.065%
135	9.055	9.047	9.095	VV	2010	39942	0.57%	0.059%
136	9.124	9.095	9.160	VV	7388	155958	2.22%	0.232%
137	9.173	9.160	9.188	VV	3420	42788	0.61%	0.064%
138	9.213	9.188	9.235	VV	4313	72442	1.03%	0.108%
139	9.258	9.235	9.277	VV	5673	73790	1.05%	0.110%
140	9.290	9.277	9.295	VV	2008	19055	0.27%	0.028%
141	9.310	9.295	9.335	VV	3877	50555	0.72%	0.075%

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142	9.358	9.335	9.365	VV	1658	21560	0.31%	0.032%
143	9.386	9.365	9.439	VV	35061	486306	6.92%	0.723%
144	9.448	9.439	9.461	VV	2204	25336	0.36%	0.038%
145	9.480	9.461	9.504	VV	2619	48892	0.70%	0.073%
146	9.530	9.504	9.557	VV	24795	277185	3.95%	0.412%
147	9.603	9.557	9.668	VV	1849	63932	0.91%	0.095%
148	9.698	9.668	9.725	VV	783	13990	0.20%	0.021%
149	9.747	9.725	9.752	PV	515	4842	0.07%	0.007%
150	9.756	9.752	9.784	VV	513	6495	0.09%	0.010%
151	9.799	9.784	9.823	VV	612	9719	0.14%	0.014%
152	9.847	9.823	9.852	VV	861	11610	0.17%	0.017%
153	9.875	9.852	9.887	VV	1635	23910	0.34%	0.036%
154	9.915	9.887	9.937	VV	3734	71418	1.02%	0.106%
155	9.965	9.937	9.980	VV	1762	31340	0.45%	0.047%
156	10.005	9.980	10.019	VV	1722	26797	0.38%	0.040%
157	10.033	10.019	10.046	VV	1666	19682	0.28%	0.029%
158	10.057	10.046	10.093	VV	1435	19193	0.27%	0.029%
159	10.121	10.093	10.133	VV	1066	15480	0.22%	0.023%
160	10.150	10.133	10.175	VV	1282	24519	0.35%	0.036%
161	10.207	10.175	10.229	VV	1071	25823	0.37%	0.038%
162	10.263	10.229	10.297	VV	6378	98139	1.40%	0.146%
163	10.301	10.297	10.305	VV	1126	5232	0.07%	0.008%
164	10.337	10.305	10.365	VV	2519	60293	0.86%	0.090%
165	10.388	10.365	10.419	VV	2813	52457	0.75%	0.078%
166	10.438	10.419	10.445	VV	1120	13566	0.19%	0.020%
167	10.449	10.445	10.459	VV	1094	8096	0.12%	0.012%
168	10.478	10.459	10.499	VV	1328	25822	0.37%	0.038%
169	10.507	10.499	10.512	VV	986	6366	0.09%	0.009%
170	10.531	10.512	10.552	VV	1283	25352	0.36%	0.038%
171	10.590	10.552	10.612	VV	1700	53403	0.76%	0.079%
172	10.619	10.612	10.625	VV	1345	9326	0.13%	0.014%
173	10.656	10.625	10.663	VV	1671	32341	0.46%	0.048%
174	10.680	10.663	10.702	VV	1890	34574	0.49%	0.051%
175	10.716	10.702	10.737	VV	1482	24768	0.35%	0.037%
176	10.754	10.737	10.794	VV	1391	42259	0.60%	0.063%
177	10.809	10.794	10.829	VV	1355	25980	0.37%	0.039%
178	10.851	10.829	10.857	VV	1298	20870	0.30%	0.031%
179	10.892	10.857	10.912	VV	2294	57570	0.82%	0.086%
180	10.925	10.912	10.942	VV	1780	29330	0.42%	0.044%
181	10.962	10.942	10.986	VV	3950	65746	0.94%	0.098%
182	10.992	10.986	11.012	VV	1799	26298	0.37%	0.039%
183	11.052	11.012	11.086	VV	2783	89767	1.28%	0.134%
184	11.114	11.086	11.130	VV	2411	51004	0.73%	0.076%
185	11.151	11.130	11.162	VV	2129	34717	0.49%	0.052%
186	11.165	11.162	11.181	VV	2148	21529	0.31%	0.032%
187	11.199	11.181	11.216	VV	2054	36786	0.52%	0.055%
188	11.260	11.216	11.301	VV	503197	5548203	78.99%	8.252%
189	11.309	11.301	11.319	VV	3109	30681	0.44%	0.046%
190	11.323	11.319	11.336	VV	2939	29561	0.42%	0.044%
191	11.349	11.336	11.364	VV	3171	47730	0.68%	0.071%
192	11.369	11.364	11.379	VV	2707	24183	0.34%	0.036%
193	11.416	11.379	11.451	VV	4209	132047	1.88%	0.196%
194	11.462	11.451	11.469	VV	2322	23020	0.33%	0.034%

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195	11.474	11.469	11.490	VV	2233	27362	0.39%	0.041%
196	11.500	11.490	11.514	VV	2395	32097	0.46%	0.048%
197	11.550	11.514	11.573	VV	2725	86528	1.23%	0.129%
198	11.621	11.573	11.656	VV	3869	146689	2.09%	0.218%
199	11.680	11.656	11.702	VV	8225	133627	1.90%	0.199%
200	11.709	11.702	11.732	VV	3321	51689	0.74%	0.077%
201	11.759	11.732	11.774	VV	2800	63054	0.90%	0.094%
202	11.777	11.774	11.803	VV	2561	42954	0.61%	0.064%
203	11.814	11.803	11.822	VV	2815	29370	0.42%	0.044%
204	11.842	11.822	11.855	VV	3496	62096	0.88%	0.092%
205	11.874	11.855	11.974	VV	23514	453511	6.46%	0.674%
206	11.994	11.974	11.999	VV	2942	42486	0.60%	0.063%
207	12.031	11.999	12.060	VV	3069	102668	1.46%	0.153%
208	12.101	12.060	12.110	VV	3607	91983	1.31%	0.137%
209	12.129	12.110	12.157	VV	6366	115440	1.64%	0.172%
210	12.166	12.157	12.183	VV	3073	44193	0.63%	0.066%
211	12.203	12.183	12.235	VV	3498	92043	1.31%	0.137%
212	12.261	12.235	12.294	VV	4487	114171	1.63%	0.170%
213	12.319	12.294	12.345	VV	4838	114626	1.63%	0.170%
214	12.350	12.345	12.359	VV	3186	25817	0.37%	0.038%
215	12.364	12.359	12.367	VV	3035	13942	0.20%	0.021%
216	12.370	12.367	12.375	VV	3046	14773	0.21%	0.022%
217	12.377	12.375	12.395	VV	3101	33330	0.47%	0.050%
218	12.402	12.395	12.422	VV	2898	44806	0.64%	0.067%
219	12.430	12.422	12.445	VV	2846	36801	0.52%	0.055%
220	12.452	12.445	12.457	VV	2970	20658	0.29%	0.031%
221	12.466	12.457	12.481	VV	3014	40752	0.58%	0.061%
222	12.490	12.481	12.500	VV	3129	34030	0.48%	0.051%
223	12.542	12.500	12.562	VV	3775	125366	1.78%	0.186%
224	12.585	12.562	12.600	VV	3937	83544	1.19%	0.124%
225	12.631	12.600	12.641	VV	4479	97099	1.38%	0.144%
226	12.661	12.641	12.667	VV	4740	66254	0.94%	0.099%
227	12.699	12.667	12.732	VV	121327	1500203	21.36%	2.231%
228	12.762	12.732	12.767	VV	5344	103520	1.47%	0.154%
229	12.771	12.767	12.797	VV	5337	89729	1.28%	0.133%
230	12.828	12.797	12.844	VV	5399	142822	2.03%	0.212%
231	12.877	12.844	12.898	VV	6089	179597	2.56%	0.267%
232	12.924	12.898	12.951	VV	10248	233120	3.32%	0.347%
233	12.958	12.951	12.965	VV	5718	49451	0.70%	0.074%
234	12.979	12.965	12.983	VV	6241	63971	0.91%	0.095%
235	12.990	12.983	12.996	VV	6252	46773	0.67%	0.070%
236	13.003	12.996	13.028	VV	6343	114227	1.63%	0.170%
237	13.066	13.028	13.076	VV	6436	174948	2.49%	0.260%
238	13.099	13.076	13.137	VV	12691	320098	4.56%	0.476%
239	13.142	13.137	13.151	VV	7306	58870	0.84%	0.088%
240	13.161	13.151	13.190	VV	7272	162462	2.31%	0.242%
241	13.216	13.190	13.229	VV	6735	152483	2.17%	0.227%
242	13.238	13.229	13.242	VV	6500	50634	0.72%	0.075%
243	13.253	13.242	13.263	VV	6623	81502	1.16%	0.121%
244	13.282	13.263	13.291	VV	7004	114803	1.63%	0.171%
245	13.300	13.291	13.308	VV	7136	70925	1.01%	0.105%
246	13.325	13.308	13.343	VV	7600	153594	2.19%	0.228%

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247	13.348	13.343	13.372	VV	7023	118800	1.69%	0.177%
248	13.402	13.372	13.424	VV	7673	223400	3.18%	0.332%
249	13.426	13.424	13.434	VV	7250	42934	0.61%	0.064%
250	13.454	13.434	13.488	VV	8433	238810	3.40%	0.355%
251	13.499	13.488	13.514	VV	7188	108409	1.54%	0.161%
252	13.546	13.514	13.565	VV	7309	207577	2.96%	0.309%
253	13.582	13.565	13.614	VV	7126	197536	2.81%	0.294%
254	13.632	13.614	13.665	VV	7190	204629	2.91%	0.304%
255	13.684	13.665	13.699	VV	6947	136378	1.94%	0.203%
256	13.703	13.699	13.709	VV	6651	39606	0.56%	0.059%
257	13.711	13.709	13.719	VV	6598	36407	0.52%	0.054%
258	13.740	13.719	13.747	VV	6468	107757	1.53%	0.160%
259	13.763	13.747	13.776	VV	6560	112840	1.61%	0.168%
260	13.785	13.776	13.800	VV	6325	89802	1.28%	0.134%
261	13.804	13.800	13.809	VV	6352	31539	0.45%	0.047%
262	13.836	13.809	13.857	VV	6717	186907	2.66%	0.278%
263	13.884	13.857	13.914	VV	7282	227930	3.25%	0.339%
264	13.929	13.914	13.964	VV	7070	197350	2.81%	0.294%
265	13.973	13.964	13.989	VV	6275	92140	1.31%	0.137%
266	14.014	13.989	14.029	VV	6607	147065	2.09%	0.219%
267	14.039	14.029	14.054	VV	6424	94273	1.34%	0.140%
268	14.064	14.054	14.085	VV	6743	117360	1.67%	0.175%
269	14.099	14.085	14.125	VV	6365	139228	1.98%	0.207%
270	14.136	14.125	14.144	VV	6168	68929	0.98%	0.103%
271	14.153	14.144	14.174	VV	6143	105937	1.51%	0.158%
272	14.184	14.174	14.195	VV	5741	71628	1.02%	0.107%
273	14.211	14.195	14.225	VV	6036	103188	1.47%	0.153%
274	14.237	14.225	14.243	VV	6066	63305	0.90%	0.094%
275	14.247	14.243	14.281	VV	5733	128297	1.83%	0.191%
276	14.288	14.281	14.297	VV	5675	52025	0.74%	0.077%
277	14.301	14.297	14.305	VV	5571	27727	0.39%	0.041%
278	14.312	14.305	14.347	VV	5775	137823	1.96%	0.205%
279	14.361	14.347	14.376	VV	5532	93573	1.33%	0.139%
280	14.389	14.376	14.417	VV	5324	125873	1.79%	0.187%
281	14.422	14.417	14.436	VV	5278	58908	0.84%	0.088%
282	14.441	14.436	14.465	VV	5180	87065	1.24%	0.129%
283	14.474	14.465	14.485	VV	5096	58386	0.83%	0.087%
284	14.507	14.485	14.524	VV	5816	120251	1.71%	0.179%
285	14.550	14.524	14.576	VV	6529	171391	2.44%	0.255%
286	14.593	14.576	14.638	VV	5431	177385	2.53%	0.264%
287	14.650	14.638	14.697	VV	4613	151641	2.16%	0.226%
288	14.719	14.697	14.732	VV	4305	88703	1.26%	0.132%
289	14.739	14.732	14.778	VV	4438	114619	1.63%	0.170%
290	14.788	14.778	14.800	VV	4201	52586	0.75%	0.078%
291	14.804	14.800	14.812	VV	4118	27026	0.38%	0.040%
292	14.817	14.812	14.827	VV	3959	35083	0.50%	0.052%
293	14.836	14.827	14.864	VV	3990	85384	1.22%	0.127%
294	14.870	14.864	14.879	VV	3807	33383	0.48%	0.050%
295	14.923	14.879	15.021	VV	21645	636818	9.07%	0.947%
296	15.031	15.021	15.050	VV	4273	71208	1.01%	0.106%
297	15.073	15.050	15.102	VV	5945	146715	2.09%	0.218%
298	15.113	15.102	15.150	VV	4118	107327	1.53%	0.160%
299	15.156	15.150	15.178	VV	3711	56724	0.81%	0.084%

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300	15.199	15.178	15.213	VV	3557	73235	1.04%	0.109%
301	15.219	15.213	15.229	VV	3465	31149	0.44%	0.046%
302	15.247	15.229	15.252	VV	3781	48003	0.68%	0.071%
303	15.261	15.252	15.335	VV	3965	171496	2.44%	0.255%
304	15.341	15.335	15.350	VV	3330	28748	0.41%	0.043%
305	15.362	15.350	15.365	VV	3280	27986	0.40%	0.042%
306	15.382	15.365	15.387	VV	3593	45423	0.65%	0.068%
307	15.408	15.387	15.417	VV	3568	61332	0.87%	0.091%
308	15.436	15.417	15.479	VV	3635	123913	1.76%	0.184%
309	15.495	15.479	15.505	VV	3015	44479	0.63%	0.066%
310	15.524	15.505	15.542	VV	3414	69961	1.00%	0.104%
311	15.563	15.542	15.590	VV	4633	106210	1.51%	0.158%
312	15.609	15.590	15.639	VV	3616	89162	1.27%	0.133%
313	15.643	15.639	15.657	VV	2664	26335	0.37%	0.039%
314	15.664	15.657	15.687	VV	2607	45125	0.64%	0.067%
315	15.694	15.687	15.707	VV	2564	28512	0.41%	0.042%
316	15.731	15.707	15.762	VV	3045	88423	1.26%	0.132%
317	15.772	15.762	15.782	VV	2525	29379	0.42%	0.044%
318	15.792	15.782	15.802	VV	2543	30076	0.43%	0.045%
319	15.807	15.802	15.810	VV	2421	11375	0.16%	0.017%
320	15.820	15.810	15.833	VV	2655	34096	0.49%	0.051%
321	15.848	15.833	15.855	VV	2621	31986	0.46%	0.048%
322	15.859	15.855	15.888	VV	2591	48927	0.70%	0.073%
323	15.908	15.888	15.916	VV	2789	42508	0.61%	0.063%
324	15.937	15.916	15.967	VV	3741	93958	1.34%	0.140%
325	15.972	15.967	15.997	VV	2783	44588	0.63%	0.066%
326	16.000	15.997	16.015	VV	2310	24624	0.35%	0.037%
327	16.027	16.015	16.030	VV	2425	20681	0.29%	0.031%
328	16.041	16.030	16.066	VV	3013	54798	0.78%	0.081%
329	16.070	16.066	16.085	VV	2325	26377	0.38%	0.039%
330	16.089	16.085	16.095	VV	2382	12633	0.18%	0.019%
331	16.119	16.095	16.149	VV	4911	100046	1.42%	0.149%
332	16.163	16.149	16.169	VV	2023	23818	0.34%	0.035%
333	16.190	16.169	16.209	VV	2359	51001	0.73%	0.076%
334	16.218	16.209	16.227	VV	2394	25135	0.36%	0.037%
335	16.236	16.227	16.261	VV	2375	47304	0.67%	0.070%
336	16.281	16.261	16.302	VV	2327	52173	0.74%	0.078%
337	16.324	16.302	16.342	VV	2101	46948	0.67%	0.070%
338	16.354	16.342	16.359	VV	2071	20801	0.30%	0.031%
339	16.367	16.359	16.392	VV	2076	37612	0.54%	0.056%
340	16.407	16.392	16.412	VV	2147	25089	0.36%	0.037%
341	16.425	16.412	16.432	VV	2100	23999	0.34%	0.036%
342	16.437	16.432	16.447	VV	1968	16242	0.23%	0.024%
343	16.474	16.447	16.485	VV	2346	47340	0.67%	0.070%
344	16.508	16.485	16.531	VV	3674	75725	1.08%	0.113%
345	16.551	16.531	16.582	VV	3088	69179	0.98%	0.103%
346	16.587	16.582	16.598	VV	1600	14128	0.20%	0.021%
347	16.615	16.598	16.635	VV	1520	31262	0.45%	0.046%
348	16.668	16.635	16.697	VV	1541	50886	0.72%	0.076%
349	16.703	16.697	16.729	VV	1510	25168	0.36%	0.037%
350	16.733	16.729	16.763	VV	1222	23163	0.33%	0.034%
351	16.796	16.763	16.856	VV	1907	78157	1.11%	0.116%

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352	16.874	16.856	16.911	VV	1924	46841	0.67%	0.070%
353	16.955	16.911	16.979	VV	3356	72054	1.03%	0.107%
354	16.983	16.979	17.005	VV	1127	15878	0.23%	0.024%
355	17.027	17.005	17.035	VV	1237	18395	0.26%	0.027%
356	17.041	17.035	17.049	VV	1023	7734	0.11%	0.012%
357	17.073	17.049	17.101	VV	1171	32365	0.46%	0.048%
358	17.105	17.101	17.117	VV	861	8153	0.12%	0.012%
359	17.121	17.117	17.130	VV	868	6187	0.09%	0.009%
360	17.135	17.130	17.142	VV	816	5153	0.07%	0.008%
361	17.159	17.142	17.164	VV	939	11264	0.16%	0.017%
362	17.179	17.164	17.198	VV	1189	21224	0.30%	0.032%
363	17.202	17.198	17.230	VV	1072	16941	0.24%	0.025%
364	17.248	17.230	17.255	VV	859	11139	0.16%	0.017%
365	17.262	17.255	17.269	VV	848	6079	0.09%	0.009%
366	17.284	17.269	17.297	VV	881	12673	0.18%	0.019%
367	17.353	17.297	17.365	VV	1340	41041	0.58%	0.061%
368	17.391	17.365	17.435	VV	3843	73035	1.04%	0.109%
369	17.439	17.435	17.444	VV	626	2904	0.04%	0.004%
370	17.474	17.444	17.517	VV	1820	44831	0.64%	0.067%
371	17.527	17.517	17.532	VV	775	6387	0.09%	0.009%
372	17.539	17.532	17.577	VV	962	16430	0.23%	0.024%
373	17.580	17.577	17.585	VV	526	2319	0.03%	0.003%
374	17.599	17.585	17.626	VV	770	12297	0.18%	0.018%
375	17.644	17.626	17.656	PV	546	5273	0.08%	0.008%
376	17.700	17.656	17.705	VV	657	14673	0.21%	0.022%
377	17.744	17.705	17.790	VV	8917	188464	2.68%	0.280%
378	17.812	17.790	17.842	VV	4433	75715	1.08%	0.113%
379	17.853	17.842	17.884	VV	857	15270	0.22%	0.023%
380	17.901	17.884	17.919	VV	494	8906	0.13%	0.013%
381	17.921	17.919	17.926	VV	443	1542	0.02%	0.002%
382	17.930	17.926	17.955	VV	309	4579	0.07%	0.007%
383	17.961	17.955	17.993	VV	376	5925	0.08%	0.009%
384	18.038	17.993	18.067	VV	2663	45804	0.65%	0.068%
385	18.071	18.067	18.089	VV	466	4152	0.06%	0.006%
386	18.098	18.089	18.122	VV	421	5484	0.08%	0.008%
387	18.127	18.122	18.142	VV	339	1627	0.02%	0.002%
388	18.178	18.142	18.194	PV	299	4782	0.07%	0.007%

Sum of corrected areas: 67238444

Aromatic EPH 093024.M Wed Oct 23 07:59:24 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067501.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 12:09
Operator : YP/AJ
Sample : P4460-03DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-303-BOTDL

Integration File: autoint1.e
Quant Time: Oct 24 04:08:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 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...	12.934	922727	8.152 ug/ml
Spiked Amount 50.000		Recovery = 16.30%	
Target Compounds			

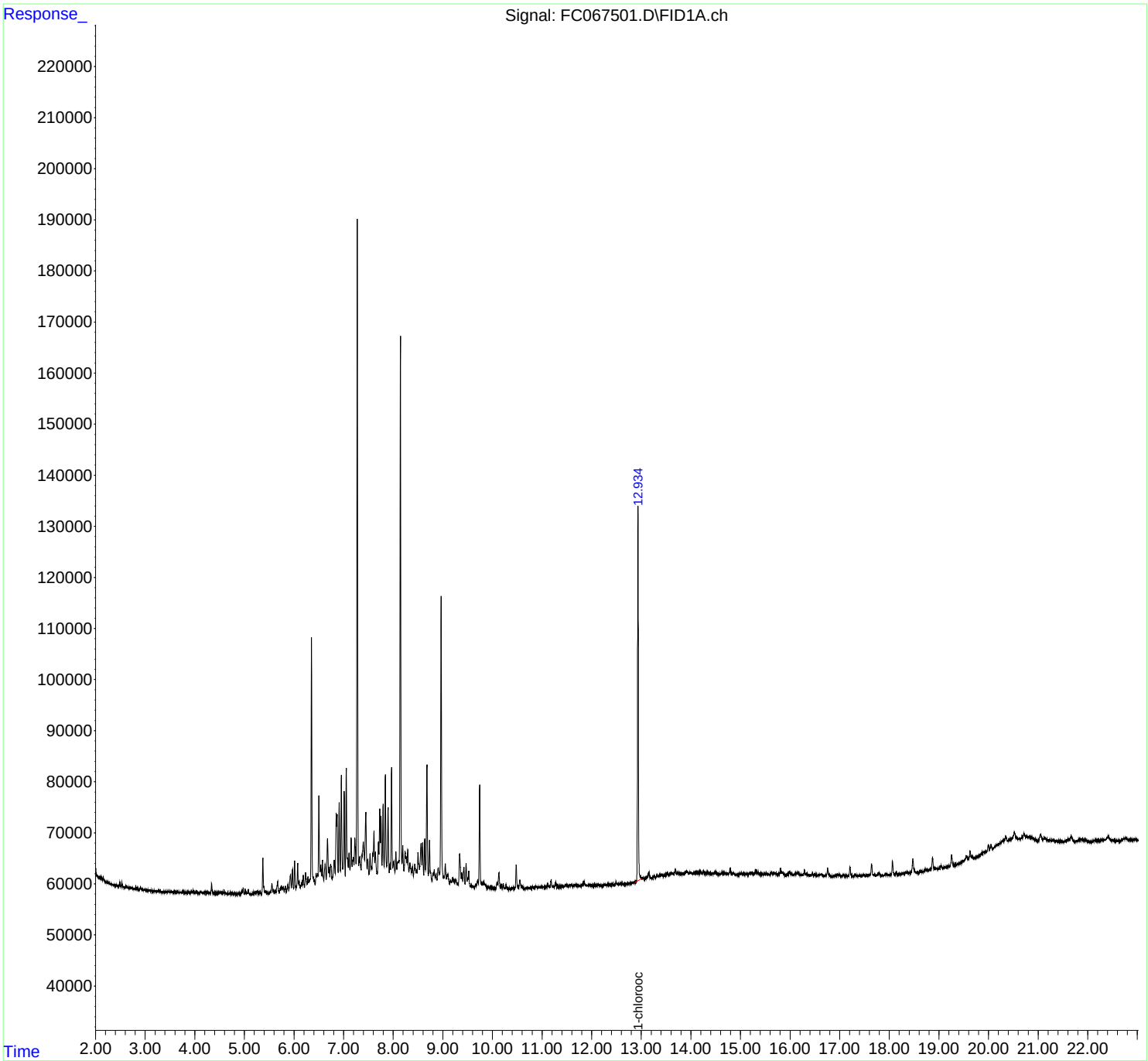
(f)=RT Delta > 1/2 Window (m)=manual int.

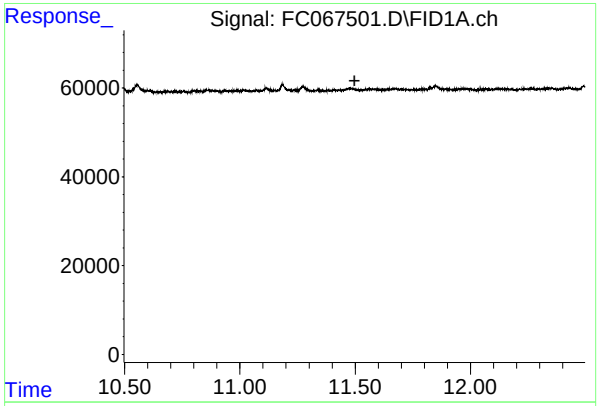
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067501.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 12:09
Operator : YP/AJ
Sample : P4460-03DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-303-BOTDL

Integration File: autoint1.e
Quant Time: Oct 24 04:08:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

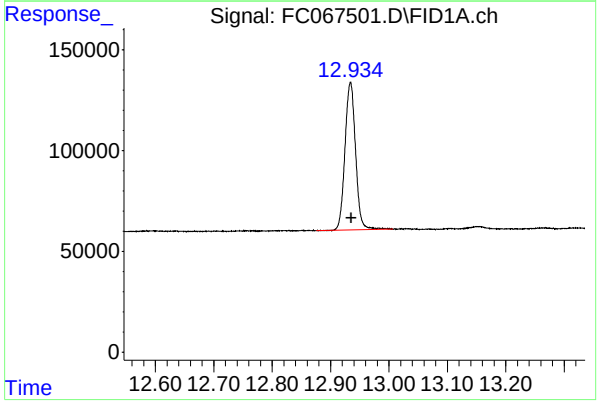




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.497 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WB-303-BOTDL



#12 1-chlorooctadecane (SURR)

R.T.: 12.934 min
Delta R.T.: -0.002 min
Response: 922727
Conc: 8.15 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067501.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 12:09
Sample : P4460-03DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.204	3.358	BV	208	5092	0.35%	0.023%
2	3.373	3.358	3.410	PV	148	2432	0.17%	0.011%
3	3.424	3.410	3.471	PV	159	3280	0.22%	0.015%
4	3.484	3.471	3.496	VV	184	1507	0.10%	0.007%
5	3.512	3.496	3.524	VV	127	1605	0.11%	0.007%
6	3.536	3.524	3.565	VV	245	3259	0.22%	0.015%
7	3.575	3.565	3.588	VV	105	1249	0.09%	0.006%
8	3.596	3.588	3.621	VV	177	1829	0.12%	0.008%
9	3.651	3.621	3.698	PV	232	5645	0.39%	0.026%
10	3.713	3.698	3.744	VV	152	2878	0.20%	0.013%
11	3.763	3.744	3.805	VV	212	4388	0.30%	0.020%
12	3.815	3.805	3.846	VV	91	1953	0.13%	0.009%
13	3.857	3.846	3.906	VV	187	3578	0.24%	0.016%
14	3.939	3.906	3.952	PV	380	5501	0.38%	0.025%
15	3.968	3.952	3.987	VV	535	5592	0.38%	0.026%
16	3.998	3.987	4.016	VV	208	2191	0.15%	0.010%
17	4.037	4.016	4.074	VV	480	6647	0.45%	0.031%
18	4.120	4.074	4.132	VV	371	6180	0.42%	0.028%
19	4.147	4.132	4.201	VV	235	5619	0.38%	0.026%
20	4.216	4.201	4.241	VV	316	4732	0.32%	0.022%
21	4.255	4.241	4.289	VV	186	3804	0.26%	0.018%
22	4.294	4.289	4.302	VV	174	924	0.06%	0.004%
23	4.309	4.302	4.314	VV	119	696	0.05%	0.003%
24	4.339	4.314	4.386	VV	2079	25585	1.75%	0.118%
25	4.394	4.386	4.404	VV	194	1750	0.12%	0.008%
26	4.415	4.404	4.426	VV	196	2035	0.14%	0.009%
27	4.441	4.426	4.482	VV	227	5770	0.39%	0.027%
28	4.504	4.482	4.524	VV	407	7084	0.48%	0.033%
29	4.536	4.524	4.548	VV	318	4035	0.28%	0.019%
30	4.562	4.548	4.577	VV	399	5333	0.36%	0.025%
31	4.592	4.577	4.609	VV	798	8303	0.57%	0.038%
32	4.620	4.609	4.632	VV	314	2868	0.20%	0.013%
33	4.646	4.632	4.692	VV	304	6356	0.43%	0.029%
34	4.712	4.692	4.729	VV	365	5221	0.36%	0.024%
35	4.752	4.729	4.772	VV	369	5119	0.35%	0.024%
36	4.808	4.772	4.844	VV	246	5791	0.40%	0.027%

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37	4.860	4.844	4.878	VV	213	2846	0.19%	0.013%
38	4.894	4.878	4.921	VV	239	4039	0.28%	0.019%
39	4.946	4.921	4.957	PV	790	8237	0.56%	0.038%
40	4.975	4.957	5.001	VV	1255	16587	1.13%	0.076%
41	5.016	5.001	5.044	VV	1114	13763	0.94%	0.063%
42	5.054	5.044	5.061	VV	288	2553	0.17%	0.012%
43	5.078	5.061	5.120	VV	1025	12977	0.89%	0.060%
44	5.132	5.120	5.153	VV	126	1395	0.10%	0.006%
45	5.173	5.153	5.198	PV	470	6593	0.45%	0.030%
46	5.239	5.198	5.251	VV	658	11388	0.78%	0.052%
47	5.264	5.251	5.281	VV	640	7611	0.52%	0.035%
48	5.301	5.281	5.311	VV	398	5335	0.36%	0.025%
49	5.319	5.311	5.341	VV	367	4452	0.30%	0.021%
50	5.373	5.341	5.417	VV	7040	90399	6.17%	0.417%
51	5.430	5.417	5.455	VV	629	9692	0.66%	0.045%
52	5.464	5.455	5.481	VV	267	3149	0.21%	0.015%
53	5.522	5.481	5.533	VV	428	9472	0.65%	0.044%
54	5.556	5.533	5.576	VV	2081	29294	2.00%	0.135%
55	5.587	5.576	5.608	VV	943	11476	0.78%	0.053%
56	5.621	5.608	5.637	VV	767	10325	0.70%	0.048%
57	5.671	5.637	5.704	VV	2447	47032	3.21%	0.217%
58	5.722	5.704	5.730	VV	1121	11615	0.79%	0.054%
59	5.742	5.730	5.753	VV	1640	16973	1.16%	0.078%
60	5.763	5.753	5.775	VV	1368	15392	1.05%	0.071%
61	5.785	5.775	5.804	VV	1272	16732	1.14%	0.077%
62	5.827	5.804	5.851	VV	1549	26002	1.77%	0.120%
63	5.876	5.851	5.897	VV	1816	33386	2.28%	0.154%
64	5.930	5.897	5.949	VV	3792	71288	4.86%	0.329%
65	5.970	5.949	5.994	VV	4761	69065	4.71%	0.318%
66	6.013	5.994	6.041	VV	6463	86081	5.87%	0.397%
67	6.074	6.041	6.094	VV	5936	89813	6.13%	0.414%
68	6.104	6.094	6.124	VV	2208	33184	2.26%	0.153%
69	6.160	6.124	6.171	VV	2251	47990	3.27%	0.221%
70	6.188	6.171	6.213	VV	3636	59767	4.08%	0.275%
71	6.235	6.213	6.264	VV	4014	82795	5.65%	0.382%
72	6.283	6.264	6.298	VV	3245	52516	3.58%	0.242%
73	6.309	6.298	6.316	VV	2641	26465	1.81%	0.122%
74	6.354	6.316	6.402	VV	49647	620887	42.36%	2.862%
75	6.411	6.402	6.427	VV	2675	34262	2.34%	0.158%
76	6.446	6.427	6.462	VV	3806	65736	4.48%	0.303%
77	6.503	6.462	6.528	VV	18990	295441	20.16%	1.362%
78	6.540	6.528	6.558	VV	5562	83494	5.70%	0.385%
79	6.574	6.558	6.600	VV	6529	106867	7.29%	0.493%
80	6.629	6.600	6.651	VV	5624	126740	8.65%	0.584%
81	6.676	6.651	6.700	VV	10619	194828	13.29%	0.898%
82	6.710	6.700	6.723	VV	5053	58437	3.99%	0.269%
83	6.739	6.723	6.771	VV	5638	124818	8.52%	0.575%
84	6.812	6.771	6.829	VV	6440	157884	10.77%	0.728%
85	6.853	6.829	6.861	VV	15611	194735	13.29%	0.898%
86	6.869	6.861	6.891	VV	15076	184229	12.57%	0.849%
87	6.911	6.891	6.934	VV	17659	249700	17.04%	1.151%
88	6.955	6.934	6.984	VV	23065	336662	22.97%	1.552%
89	7.013	6.984	7.033	VV	19915	284064	19.38%	1.309%

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90	7.055	7.033	7.093	VV	24466	382487	26.10%	1.763%
91	7.110	7.093	7.129	VV	7854	130867	8.93%	0.603%
92	7.154	7.129	7.171	VV	10707	182301	12.44%	0.840%
93	7.197	7.171	7.210	VV	6847	143126	9.76%	0.660%
94	7.228	7.210	7.251	VV	10557	197950	13.51%	0.912%
95	7.277	7.251	7.305	VV	131231	1465709	100.00%	6.756%
96	7.325	7.305	7.352	VV	6938	166229	11.34%	0.766%
97	7.398	7.352	7.423	VV	9822	321461	21.93%	1.482%
98	7.448	7.423	7.475	VV	15397	310962	21.22%	1.433%
99	7.489	7.475	7.512	VV	6408	115292	7.87%	0.531%
100	7.534	7.512	7.554	VV	7498	138356	9.44%	0.638%
101	7.613	7.554	7.629	VV	11916	320825	21.89%	1.479%
102	7.641	7.629	7.678	VV	7872	164665	11.23%	0.759%
103	7.703	7.678	7.713	VV	9869	143515	9.79%	0.662%
104	7.730	7.713	7.743	VV	16310	219587	14.98%	1.012%
105	7.755	7.743	7.774	VV	14888	191923	13.09%	0.885%
106	7.797	7.774	7.818	VV	17079	257706	17.58%	1.188%
107	7.842	7.818	7.868	VV	22975	350166	23.89%	1.614%
108	7.898	7.868	7.921	VV	16524	275152	18.77%	1.268%
109	7.967	7.921	7.991	VV	24383	396616	27.06%	1.828%
110	8.011	7.991	8.036	VV	5908	137648	9.39%	0.634%
111	8.055	8.036	8.074	VV	7858	127700	8.71%	0.589%
112	8.146	8.074	8.176	VV	107912	1414664	96.52%	6.521%
113	8.194	8.176	8.218	VV	8967	159825	10.90%	0.737%
114	8.241	8.218	8.275	VV	7903	215401	14.70%	0.993%
115	8.294	8.275	8.316	VV	8152	155950	10.64%	0.719%
116	8.338	8.316	8.371	VV	5526	149486	10.20%	0.689%
117	8.389	8.371	8.407	VV	4839	88783	6.06%	0.409%
118	8.437	8.407	8.460	VV	5292	136189	9.29%	0.628%
119	8.472	8.460	8.482	VV	4154	50777	3.46%	0.234%
120	8.501	8.482	8.531	VV	7495	158993	10.85%	0.733%
121	8.562	8.531	8.579	VV	9273	201222	13.73%	0.927%
122	8.594	8.579	8.616	VV	9461	144735	9.87%	0.667%
123	8.636	8.616	8.654	VV	10147	146494	9.99%	0.675%
124	8.681	8.654	8.709	VV	24659	369964	25.24%	1.705%
125	8.733	8.709	8.781	VV	9867	203907	13.91%	0.940%
126	8.804	8.781	8.814	VV	3456	56258	3.84%	0.259%
127	8.828	8.814	8.847	VV	4122	68541	4.68%	0.316%
128	8.863	8.847	8.882	VV	3223	57143	3.90%	0.263%
129	8.908	8.882	8.928	VV	4504	98566	6.72%	0.454%
130	8.967	8.928	9.026	VV	56951	784605	53.53%	3.617%
131	9.051	9.026	9.073	VV	5266	100398	6.85%	0.463%
132	9.095	9.073	9.136	VV	3213	96123	6.56%	0.443%
133	9.156	9.136	9.178	VV	1946	43799	2.99%	0.202%
134	9.200	9.178	9.221	VV	2515	52601	3.59%	0.242%
135	9.226	9.221	9.236	VV	1818	15216	1.04%	0.070%
136	9.248	9.236	9.259	VV	2160	27453	1.87%	0.127%
137	9.264	9.259	9.311	VV	2010	47026	3.21%	0.217%
138	9.341	9.311	9.372	VV	7094	147974	10.10%	0.682%
139	9.384	9.372	9.401	VV	3439	49026	3.34%	0.226%
140	9.426	9.401	9.451	VV	4505	84801	5.79%	0.391%
141	9.471	9.451	9.491	VV	5251	77800	5.31%	0.359%

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142	9.503	9.491	9.507	VV	2326	20350	1.39%	0.094%
143	9.524	9.507	9.556	VV	3804	61394	4.19%	0.283%
144	9.580	9.556	9.638	VV	951	36590	2.50%	0.169%
145	9.663	9.638	9.678	VV	1165	21433	1.46%	0.099%
146	9.701	9.678	9.718	VV	1834	34768	2.37%	0.160%
147	9.744	9.718	9.793	VV	20626	273886	18.69%	1.262%
148	9.819	9.793	9.891	VV	1588	62161	4.24%	0.287%
149	9.919	9.891	9.934	VV	592	11967	0.82%	0.055%
150	9.957	9.934	9.998	VV	625	16541	1.13%	0.076%
151	10.021	9.998	10.047	VV	545	10221	0.70%	0.047%
152	10.091	10.047	10.104	VV	1387	22481	1.53%	0.104%
153	10.132	10.104	10.159	VV	3265	59745	4.08%	0.275%
154	10.181	10.159	10.201	VV	1033	16399	1.12%	0.076%
155	10.221	10.201	10.248	VV	1126	16895	1.15%	0.078%
156	10.276	10.248	10.301	VV	1095	15136	1.03%	0.070%
157	10.313	10.301	10.330	VV	112	1262	0.09%	0.006%
158	10.343	10.330	10.357	VV	78	1231	0.08%	0.006%
159	10.379	10.357	10.391	PV	262	3386	0.23%	0.016%
160	10.412	10.391	10.440	VV	364	7071	0.48%	0.033%
161	10.482	10.440	10.518	VV	4832	66276	4.52%	0.305%
162	10.554	10.518	10.651	VV	1749	46184	3.15%	0.213%
163	10.684	10.651	10.708	VV	283	5413	0.37%	0.025%
164	10.724	10.708	10.745	VV	293	4534	0.31%	0.021%
165	10.758	10.745	10.781	VV	210	2718	0.19%	0.013%
166	10.805	10.781	10.839	PV	397	8724	0.60%	0.040%
167	10.860	10.839	10.921	VV	435	14787	1.01%	0.068%
168	10.936	10.921	10.952	VV	370	4550	0.31%	0.021%
169	10.987	10.952	11.001	VV	408	7472	0.51%	0.034%
170	11.016	11.001	11.048	VV	346	7374	0.50%	0.034%
171	11.071	11.048	11.082	VV	294	4778	0.33%	0.022%
172	11.114	11.082	11.164	VV	752	19341	1.32%	0.089%
173	11.184	11.164	11.227	VV	1604	25856	1.76%	0.119%
174	11.274	11.227	11.311	VV	1110	24607	1.68%	0.113%
175	11.340	11.311	11.366	VV	313	7160	0.49%	0.033%
176	11.384	11.366	11.397	VV	287	3698	0.25%	0.017%
177	11.409	11.397	11.448	VV	340	7350	0.50%	0.034%
178	11.484	11.448	11.525	VV	691	19606	1.34%	0.090%
179	11.575	11.525	11.625	VV	477	21210	1.45%	0.098%
180	11.674	11.625	11.754	VV	512	26657	1.82%	0.123%
181	11.793	11.754	11.814	VV	365	10196	0.70%	0.047%
182	11.850	11.814	11.944	VV	978	36122	2.46%	0.166%
183	11.979	11.944	12.026	VV	388	13522	0.92%	0.062%
184	12.068	12.026	12.088	VV	319	7404	0.51%	0.034%
185	12.095	12.088	12.101	VV	206	1586	0.11%	0.007%
186	12.135	12.101	12.146	VV	375	7328	0.50%	0.034%
187	12.153	12.146	12.158	VV	294	1646	0.11%	0.008%
188	12.164	12.158	12.193	VV	227	3260	0.22%	0.015%
189	12.235	12.193	12.245	VV	225	4441	0.30%	0.020%
190	12.264	12.245	12.294	VV	314	6249	0.43%	0.029%
191	12.350	12.294	12.388	VV	366	13772	0.94%	0.063%
192	12.428	12.388	12.468	VV	459	11845	0.81%	0.055%
193	12.491	12.468	12.551	VV	895	18663	1.27%	0.086%
194	12.597	12.551	12.625	VV	535	14651	1.00%	0.068%

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195	12.635	12.625	12.658	VV	380	5749	0.39%	0.027%
196	12.673	12.658	12.684	VV	258	3672	0.25%	0.017%
197	12.704	12.684	12.722	VV	337	6404	0.44%	0.030%
198	12.824	12.722	12.844	VV	515	30286	2.07%	0.140%
199	12.852	12.844	12.881	VV	614	11655	0.80%	0.054%
200	12.934	12.881	13.015	VV	74215	996513	67.99%	4.593%
201	13.030	13.015	13.054	VV	1371	30099	2.05%	0.139%
202	13.068	13.054	13.086	VV	1248	21944	1.50%	0.101%
203	13.105	13.086	13.118	VV	1489	25213	1.72%	0.116%
204	13.153	13.118	13.226	VV	2419	103453	7.06%	0.477%
205	13.264	13.226	13.288	VV	1710	54473	3.72%	0.251%
206	13.323	13.288	13.340	VV	1688	48401	3.30%	0.223%
207	13.379	13.340	13.404	VV	1778	65804	4.49%	0.303%
208	13.421	13.404	13.454	VV	1835	50955	3.48%	0.235%
209	13.509	13.454	13.556	VV	2109	111273	7.59%	0.513%
210	13.608	13.556	13.648	VV	2121	107489	7.33%	0.495%
211	13.685	13.648	13.718	VV	2596	92055	6.28%	0.424%
212	13.735	13.718	13.788	VV	2143	82073	5.60%	0.378%
213	13.840	13.788	13.871	VV	2052	95417	6.51%	0.440%
214	13.901	13.871	13.921	VV	2341	64407	4.39%	0.297%
215	13.927	13.921	13.971	VV	2174	60904	4.16%	0.281%
216	13.985	13.971	14.038	VV	2063	78192	5.33%	0.360%
217	14.068	14.038	14.084	VV	2029	53646	3.66%	0.247%
218	14.098	14.084	14.118	VV	1921	38737	2.64%	0.179%
219	14.127	14.118	14.161	VV	2079	49988	3.41%	0.230%
220	14.189	14.161	14.225	VV	2404	76289	5.20%	0.352%
221	14.254	14.225	14.281	VV	2380	65954	4.50%	0.304%
222	14.308	14.281	14.335	VV	1963	59355	4.05%	0.274%
223	14.354	14.335	14.368	VV	1926	36120	2.46%	0.166%
224	14.380	14.368	14.397	VV	1929	31869	2.17%	0.147%
225	14.413	14.397	14.428	VV	1859	29842	2.04%	0.138%
226	14.461	14.428	14.471	VV	1757	43932	3.00%	0.202%
227	14.496	14.471	14.528	VV	2109	60840	4.15%	0.280%
228	14.532	14.528	14.561	VV	1708	31775	2.17%	0.146%
229	14.642	14.561	14.667	VV	1820	101038	6.89%	0.466%
230	14.694	14.667	14.753	VV	1827	82106	5.60%	0.378%
231	14.789	14.753	14.819	VV	2588	74088	5.05%	0.341%
232	14.842	14.819	14.858	VV	1667	36657	2.50%	0.169%
233	14.867	14.858	14.911	VV	1600	45167	3.08%	0.208%
234	14.920	14.911	14.944	VV	1431	26328	1.80%	0.121%
235	14.948	14.944	14.954	VV	1350	7689	0.52%	0.035%
236	14.986	14.954	15.013	VV	1686	49890	3.40%	0.230%
237	15.026	15.013	15.044	VV	1508	27514	1.88%	0.127%
238	15.050	15.044	15.079	VV	1419	28408	1.94%	0.131%
239	15.086	15.079	15.158	VV	1394	63346	4.32%	0.292%
240	15.221	15.158	15.280	VV	1638	104332	7.12%	0.481%
241	15.309	15.280	15.338	VV	2043	58770	4.01%	0.271%
242	15.358	15.338	15.371	VV	1658	29827	2.04%	0.137%
243	15.383	15.371	15.407	VV	1432	27297	1.86%	0.126%
244	15.428	15.407	15.458	VV	1448	37777	2.58%	0.174%
245	15.486	15.458	15.514	VV	1383	42018	2.87%	0.194%
246	15.523	15.514	15.549	VV	1361	25830	1.76%	0.119%

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247	15.558	15.549	15.566	VV	1208	11830	0.81%	0.055%
248	15.622	15.566	15.647	VV	1418	60008	4.09%	0.277%
249	15.665	15.647	15.758	VV	1388	82079	5.60%	0.378%
250	15.808	15.758	15.894	VV	2223	106535	7.27%	0.491%
251	15.939	15.894	15.951	VV	958	29386	2.00%	0.135%
252	15.989	15.951	16.021	VV	1541	48744	3.33%	0.225%
253	16.031	16.021	16.065	VV	1020	24746	1.69%	0.114%
254	16.127	16.065	16.149	VV	1120	51162	3.49%	0.236%
255	16.166	16.149	16.231	VV	1292	47002	3.21%	0.217%
256	16.248	16.231	16.271	VV	874	19451	1.33%	0.090%
257	16.289	16.271	16.320	VV	1731	35170	2.40%	0.162%
258	16.335	16.320	16.357	VV	913	17946	1.22%	0.083%
259	16.367	16.357	16.427	VV	779	28697	1.96%	0.132%
260	16.449	16.427	16.484	VV	863	26137	1.78%	0.120%
261	16.493	16.484	16.537	VV	831	22419	1.53%	0.103%
262	16.548	16.537	16.574	VV	654	13324	0.91%	0.061%
263	16.618	16.574	16.694	VV	774	46022	3.14%	0.212%
264	16.756	16.694	16.838	VV	1965	59843	4.08%	0.276%
265	16.851	16.838	16.862	VV	382	4294	0.29%	0.020%
266	16.889	16.862	16.897	VV	497	8048	0.55%	0.037%
267	16.917	16.897	16.944	VV	445	11904	0.81%	0.055%
268	16.974	16.944	17.038	VV	591	24935	1.70%	0.115%
269	17.077	17.038	17.131	VV	628	20067	1.37%	0.092%
270	17.141	17.131	17.155	VV	381	4068	0.28%	0.019%
271	17.207	17.155	17.290	VV	1927	41897	2.86%	0.193%
272	17.321	17.290	17.384	VV	561	16847	1.15%	0.078%
273	17.401	17.384	17.435	VV	257	5637	0.38%	0.026%
274	17.488	17.435	17.524	VV	323	12440	0.85%	0.057%
275	17.537	17.524	17.564	VV	331	5835	0.40%	0.027%
276	17.573	17.564	17.588	VV	360	4132	0.28%	0.019%
277	17.642	17.588	17.713	VV	2408	51969	3.55%	0.240%
278	17.724	17.713	17.734	VV	183	1802	0.12%	0.008%
279	17.776	17.734	17.837	VV	563	17534	1.20%	0.081%
280	17.860	17.837	17.874	VV	235	2227	0.15%	0.010%
281	17.919	17.874	17.968	PV	380	11180	0.76%	0.052%
282	17.973	17.968	17.998	VV	170	2021	0.14%	0.009%
283	18.024	17.998	18.038	VV	222	3402	0.23%	0.016%
284	18.064	18.038	18.101	VV	2712	39791	2.71%	0.183%
285	18.143	18.101	18.179	VV	493	9560	0.65%	0.044%
286	18.189	18.179	18.195	PV	97	583	0.04%	0.003%
287	18.218	18.195	18.237	VV	156	2302	0.16%	0.011%
288	18.274	18.237	18.288	PV	231	3876	0.26%	0.018%
289	18.332	18.288	18.357	VV	406	11010	0.75%	0.051%
290	18.370	18.357	18.412	VV	316	6253	0.43%	0.029%

Sum of corrected areas: 21695128

Aliphatic EPH 100224.M Thu Oct 24 04:53:49 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102424AL\
Data File : FC067520.D
Signal(s) : FID1A.ch
Acq On : 24 Oct 2024 13:25
Operator : YP/AJ
Sample : P4460-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-303-SW

Integration File: autoint1.e
Quant Time: Oct 25 01:20:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 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...	12.936	4359112	40.367 ug/ml
Spiked Amount 50.000		Recovery = 80.73%	
Target Compounds			

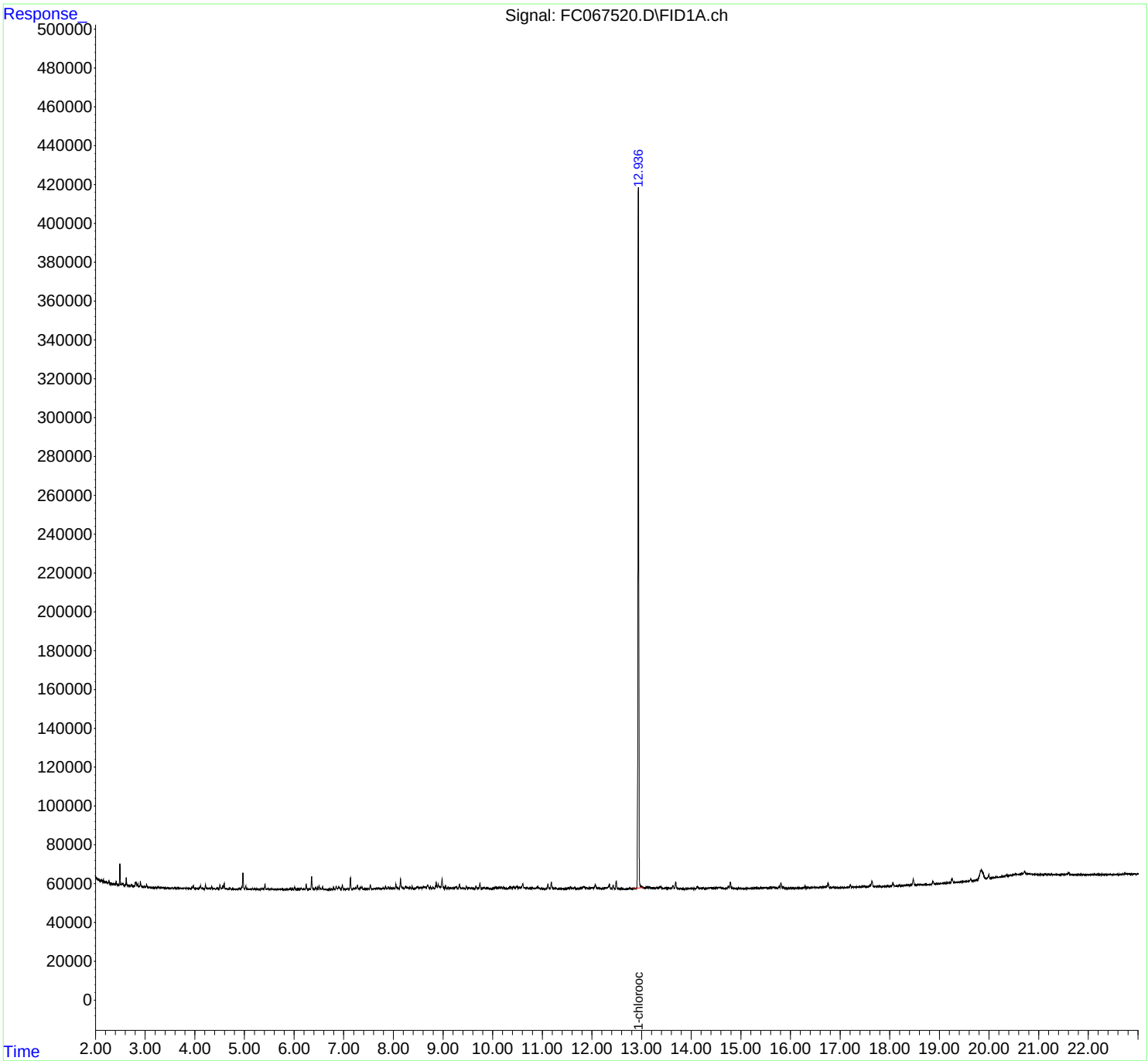
(f)=RT Delta > 1/2 Window (m)=manual int.

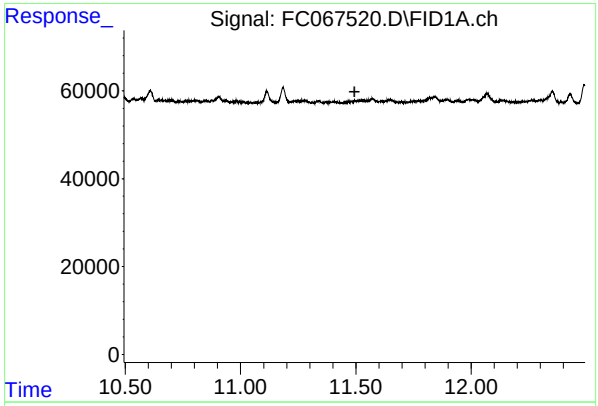
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102424AL\
Data File : FC067520.D
Signal(s) : FID1A.ch
Acq On : 24 Oct 2024 13:25
Operator : YP/AJ
Sample : P4460-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-303-SW

Integration File: autoint1.e
Quant Time: Oct 25 01:20:58 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

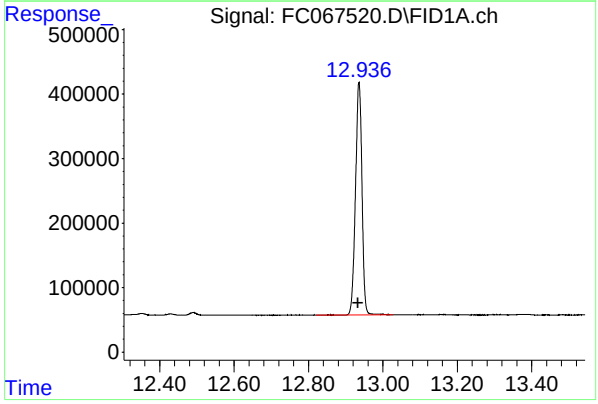




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.494 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
WB-303-SW



#12 1-chlorooctadecane (SURR)

R.T.: 12.936 min
Delta R.T.: 0.003 min
Response: 4359112
Conc: 40.37 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102424AL\
Data File : FC067520.D
Signal(s) : FID1A.ch
Acq On : 24 Oct 2024 13:25
Sample : P4460-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	4.970	4.847	5.004	BV	8395	104355	2.39%	2.048%
2	6.354	6.305	6.382	BB	6496	65214	1.50%	1.280%
3	7.136	7.100	7.162	BB	6093	65359	1.50%	1.283%
4	8.146	8.099	8.190	BB	4691	54508	1.25%	1.070%
5	8.982	8.940	9.030	BB	4409	62364	1.43%	1.224%
6	11.184	11.152	11.212	BB	3374	41870	0.96%	0.822%
7	12.490	12.469	12.534	BB	4085	53131	1.22%	1.043%
8	12.936	12.820	13.027	BB	360407	4359112	100.00%	85.548%
9	13.688	13.662	13.727	PB	3406	47154	1.08%	0.925%
10	19.840	19.742	19.950	BB	4930	242462	5.56%	4.758%

Sum of corrected areas: 5095528

Aliphatic EPH 102324.M Fri Oct 25 01:30:22 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102424AR\
Data File : FD048582.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 13:25
Operator : YP/AJ
Sample : P4460-06
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-303-SW

Integration File: autoint1.e
Quant Time: Oct 25 01:32:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 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...	7.374	8202625	54.043 ug/ml
Spiked Amount 50.000		Recovery = 108.09%	
6) S 2-Flurobiphenyl (SURR)	8.224	5535266	56.372 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 112.74%	
11) S ortho-Terphenyl (SURR)	11.261	9002839	52.852 ug/ml
Spiked Amount 50.000		Recovery = 105.70%	
Target Compounds			

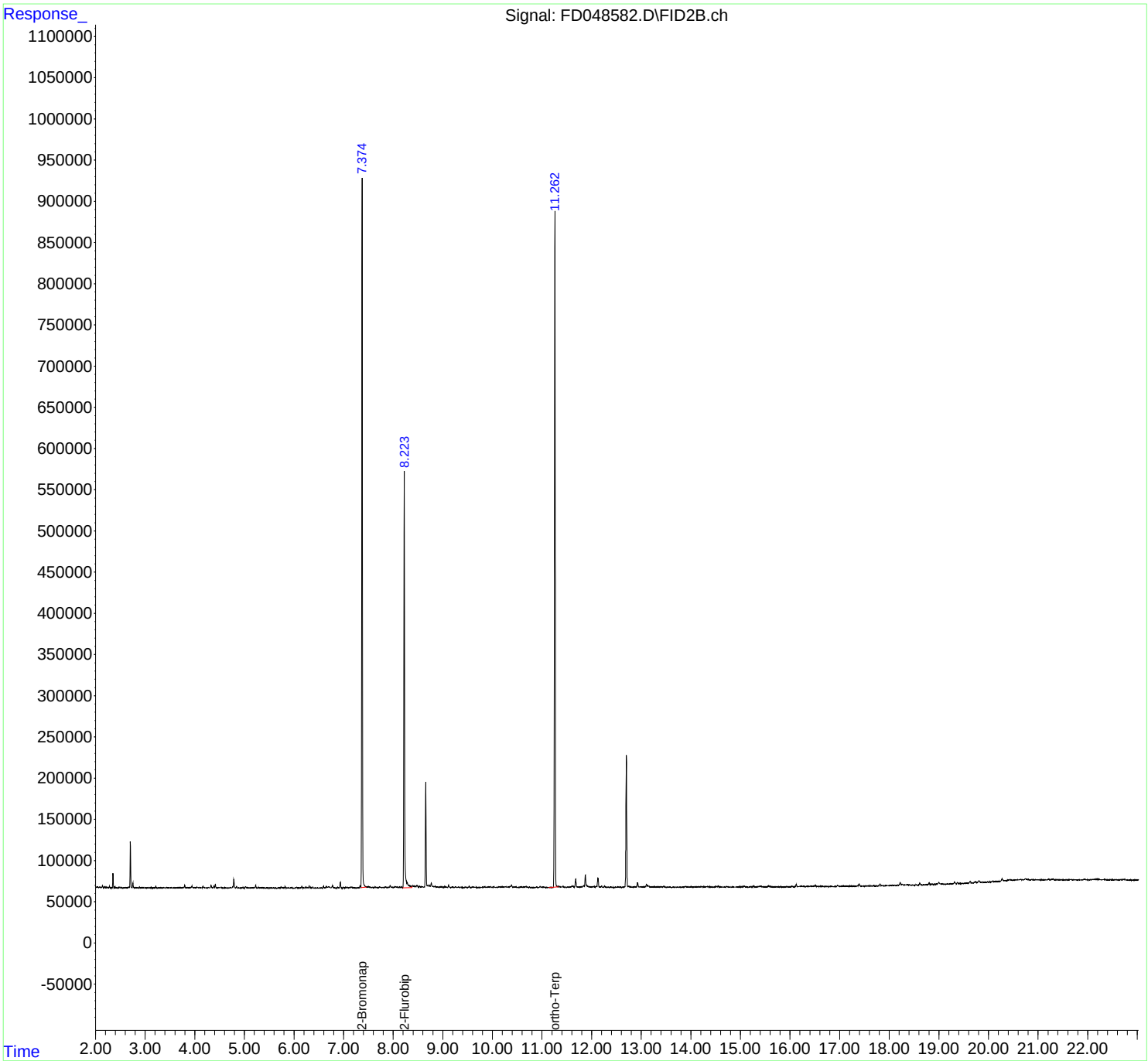
(f)=RT Delta > 1/2 Window (m)=manual int.

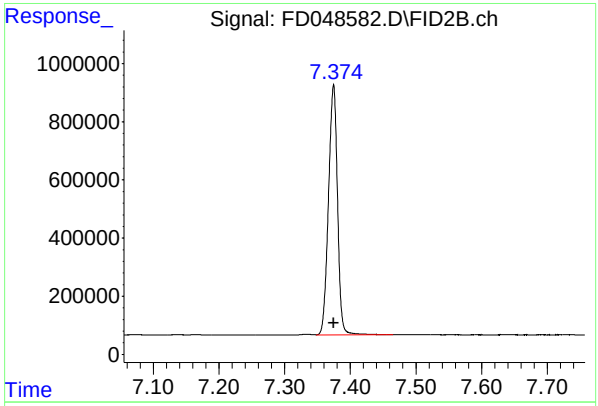
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102424AR\
Data File : FD048582.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 13:25
Operator : YP/AJ
Sample : P4460-06
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-303-SW

Integration File: autoint1.e
Quant Time: Oct 25 01:32:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

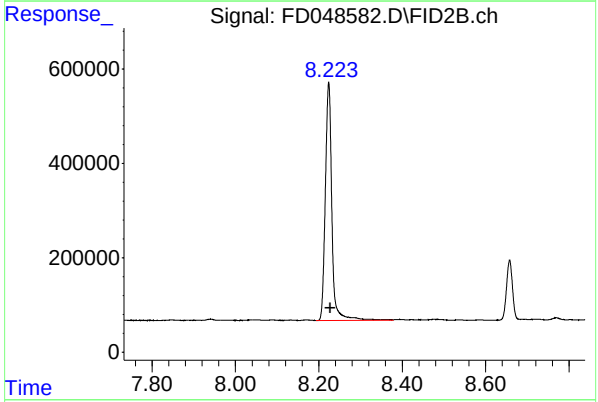




#4 2-Bromonaphthalene (SURR)

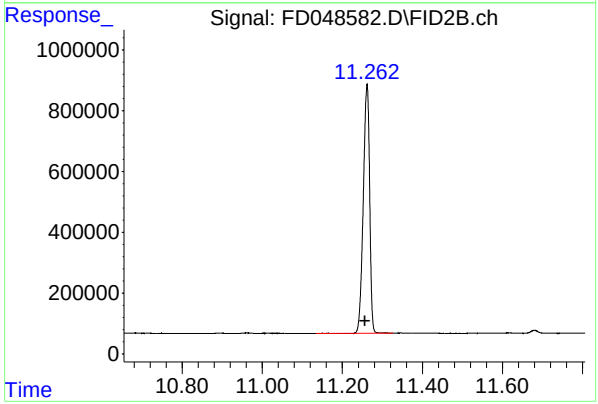
R.T.: 7.374 min
Delta R.T.: 0.000 mi
Response: 8202625
Conc: 54.04 ug/m

Instrument :
FID_D
ClientSampleId :
WB-303-SW



#6 2-Flurobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: -0.004 min
Response: 5535266
Conc: 56.37 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.261 min
Delta R.T.: 0.004 min
Response: 9002839
Conc: 52.85 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102424AR\
Data File : FD048582.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 13:25
Sample : P4460-06
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.329	4.301	4.364	BV	3378	36242	0.40%	0.135%
2	4.414	4.398	4.440	VV	4301	40953	0.45%	0.153%
3	4.788	4.745	4.821	BV	10187	118785	1.32%	0.443%
4	5.228	5.208	5.268	PV	3246	31394	0.35%	0.117%
5	6.935	6.908	6.977	BV	7107	74019	0.82%	0.276%
6	7.374	7.348	7.465	VV	858891	8202625	91.11%	30.585%
7	8.224	8.193	8.378	PV	507458	5535266	61.48%	20.639%
8	8.658	8.608	8.704	PV	127160	1275347	14.17%	4.755%
9	8.770	8.745	8.794	VV	4571	53257	0.59%	0.199%
10	11.261	11.135	11.326	BV	815013	9002839	100.00%	33.568%
11	11.680	11.651	11.739	VV	10159	130757	1.45%	0.488%
12	11.875	11.854	11.981	VV	14915	219982	2.44%	0.820%
13	12.128	11.981	12.161	VV	11210	183481	2.04%	0.684%
14	12.700	12.599	12.733	PV	160014	1830984	20.34%	6.827%
15	12.925	12.841	12.965	BV	5603	83606	0.93%	0.312%

Sum of corrected areas: 26819537

Aromatic EPH 102324.M Fri Oct 25 01:57:44 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067485.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 01:18
Operator : YP/AJ
Sample : PB164309BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164309BL

Integration File: autoint1.e
Quant Time: Oct 23 04:51:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 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...	12.937	3901025	34.463 ug/ml
Spiked Amount 50.000		Recovery = 68.93%	
Target Compounds			

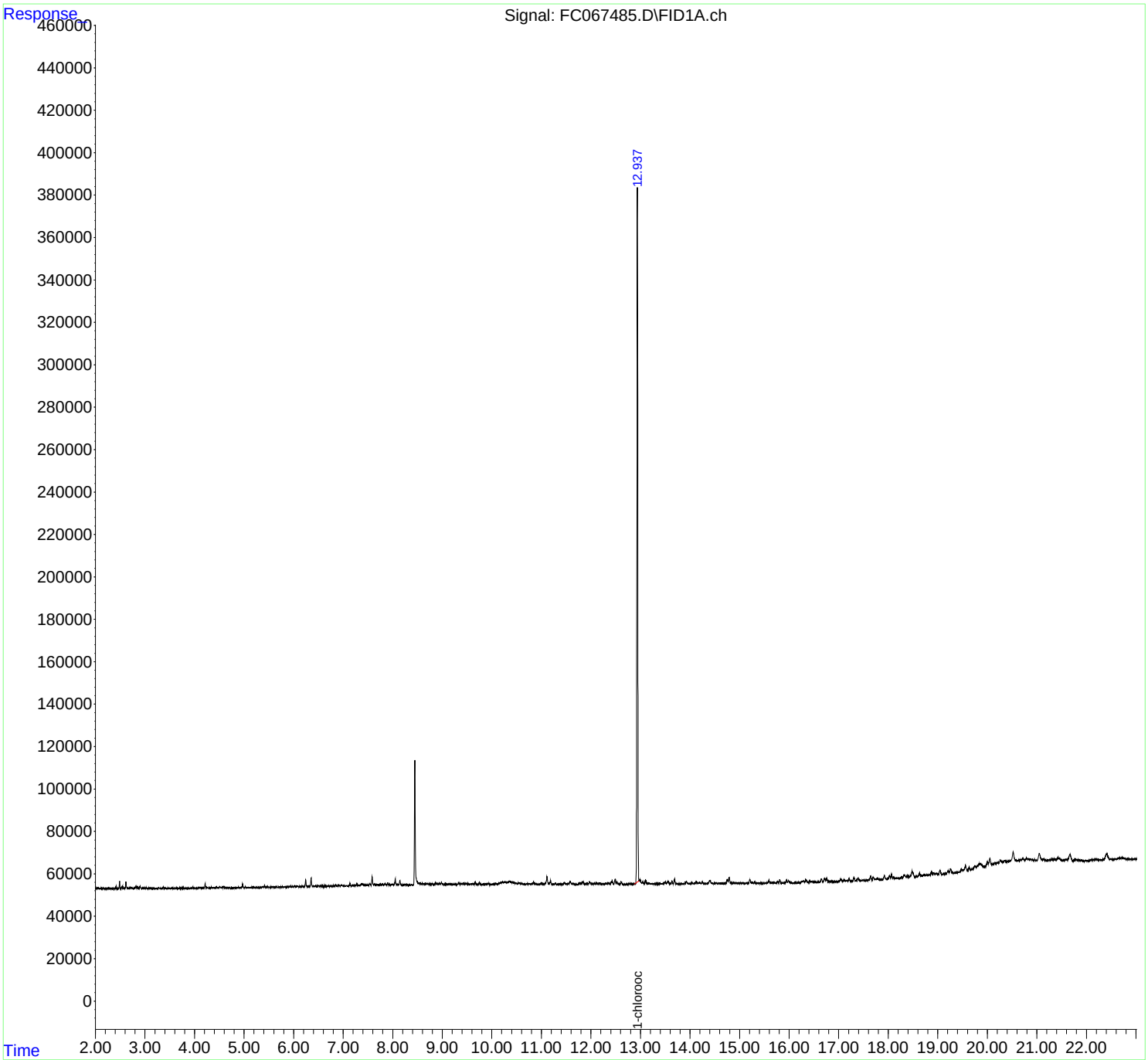
(f)=RT Delta > 1/2 Window (m)=manual int.

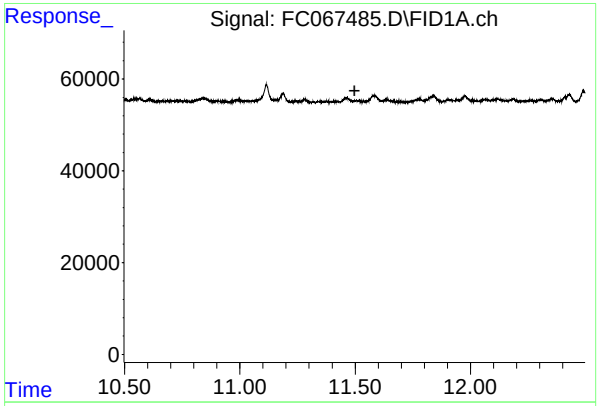
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067485.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 01:18
Operator : YP/AJ
Sample : PB164309BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164309BL

Integration File: autoint1.e
Quant Time: Oct 23 04:51:00 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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

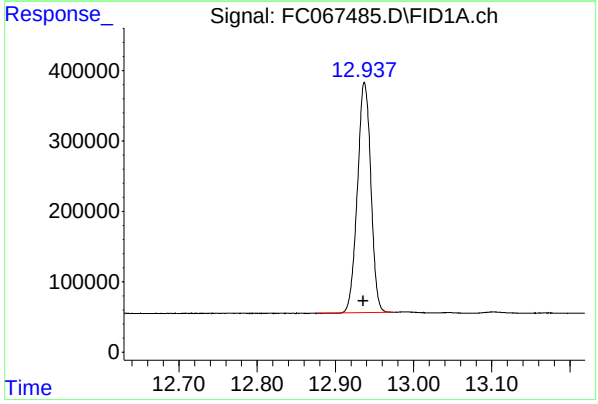




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.497 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB164309BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.937 min
Delta R.T.: 0.002 min
Response: 3901025
Conc: 34.46 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067485.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 01:18
Sample : PB164309BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	12.937	12.875	12.974	BV	326561	3901025	100.00%	100.000%
			Sum of corrected areas:			3901025		

Aliphatic EPH 100224.M Wed Oct 23 05:03:16 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048548.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 01:18
Operator : YP/AJ
Sample : PB164309BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164309BL

Integration File: autoint1.e
Quant Time: Oct 23 05:08:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 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...	7.372	7693093	46.465 ug/ml
Spiked Amount 50.000		Recovery =	92.93%
6) S 2-Flurobiphenyl (SURR)	8.220	4279022	41.262 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	82.52%
11) S ortho-Terphenyl (SURR)	11.259	7455289	40.519 ug/ml
Spiked Amount 50.000		Recovery =	81.04%
Target Compounds			

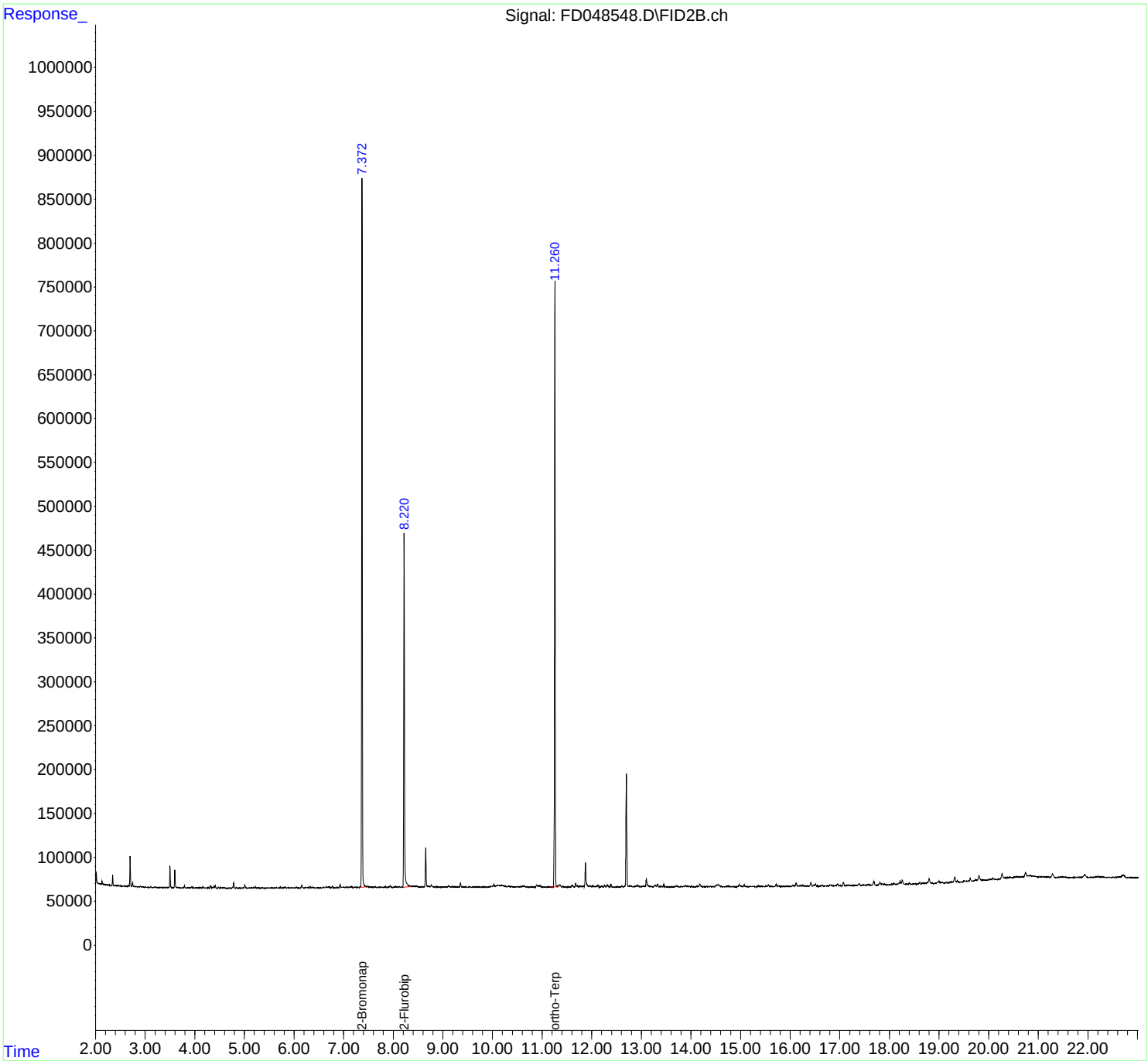
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048548.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 01:18
Operator : YP/AJ
Sample : PB164309BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

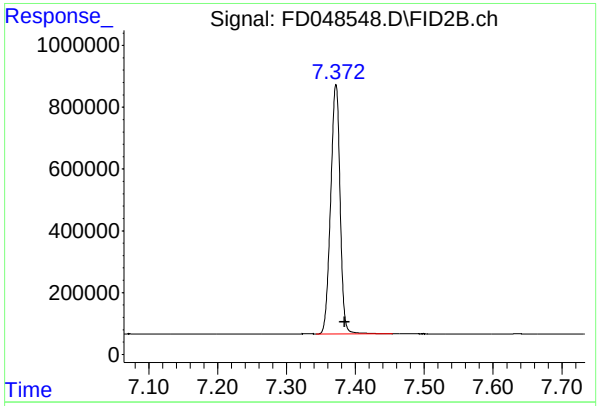
Instrument :
FID_D
ClientSampleId :
PB164309BL

Integration File: autoint1.e
Quant Time: Oct 23 05:08:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

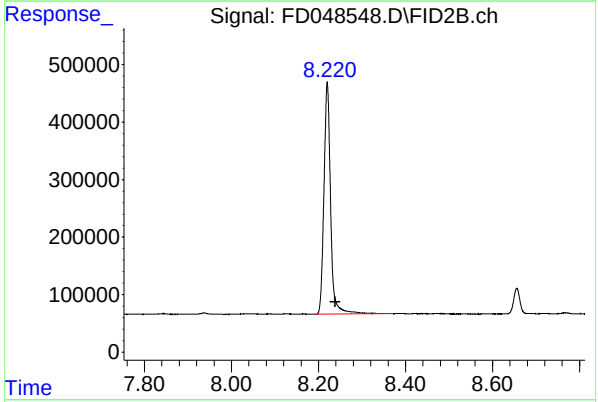


Instrument :
FID_D
ClientSampleId :
PB164309BL



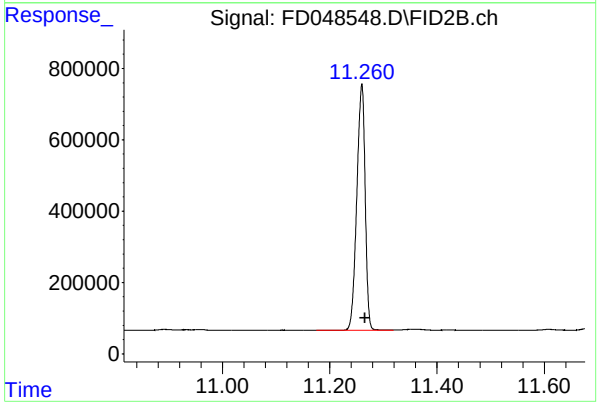
#4 2-Bromonaphthalene (SURR)

R.T.: 7.372 min
Delta R.T.: -0.013 min
Response: 7693093
Conc: 46.46 ug/ml



#6 2-Flurobiphenyl (SURR)

R.T.: 8.220 min
Delta R.T.: -0.019 min
Response: 4279022
Conc: 41.26 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.259 min
Delta R.T.: -0.006 min
Response: 7455289
Conc: 40.52 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048548.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 01:18
Sample : PB164309BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	7.372	7.343	7.455	PV	807969	7693093	100.00%	39.599%
2	8.220	8.195	8.371	BV	402444	4279022	55.62%	22.026%
3	11.259	11.175	11.318	BV	676625	7455289	96.91%	38.375%
			Sum of corrected areas:			19427404		

Aromatic EPH 093024.M Wed Oct 23 05:17:38 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102424AL\
Data File : FC067517.D
Signal(s) : FID1A.ch
Acq On : 24 Oct 2024 11:36
Operator : YP/AJ
Sample : PB164368BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164368BL

Integration File: autoint1.e
Quant Time: Oct 25 01:20:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 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...	12.937	4069566	37.685 ug/ml
Spiked Amount 50.000		Recovery = 75.37%	
Target Compounds			

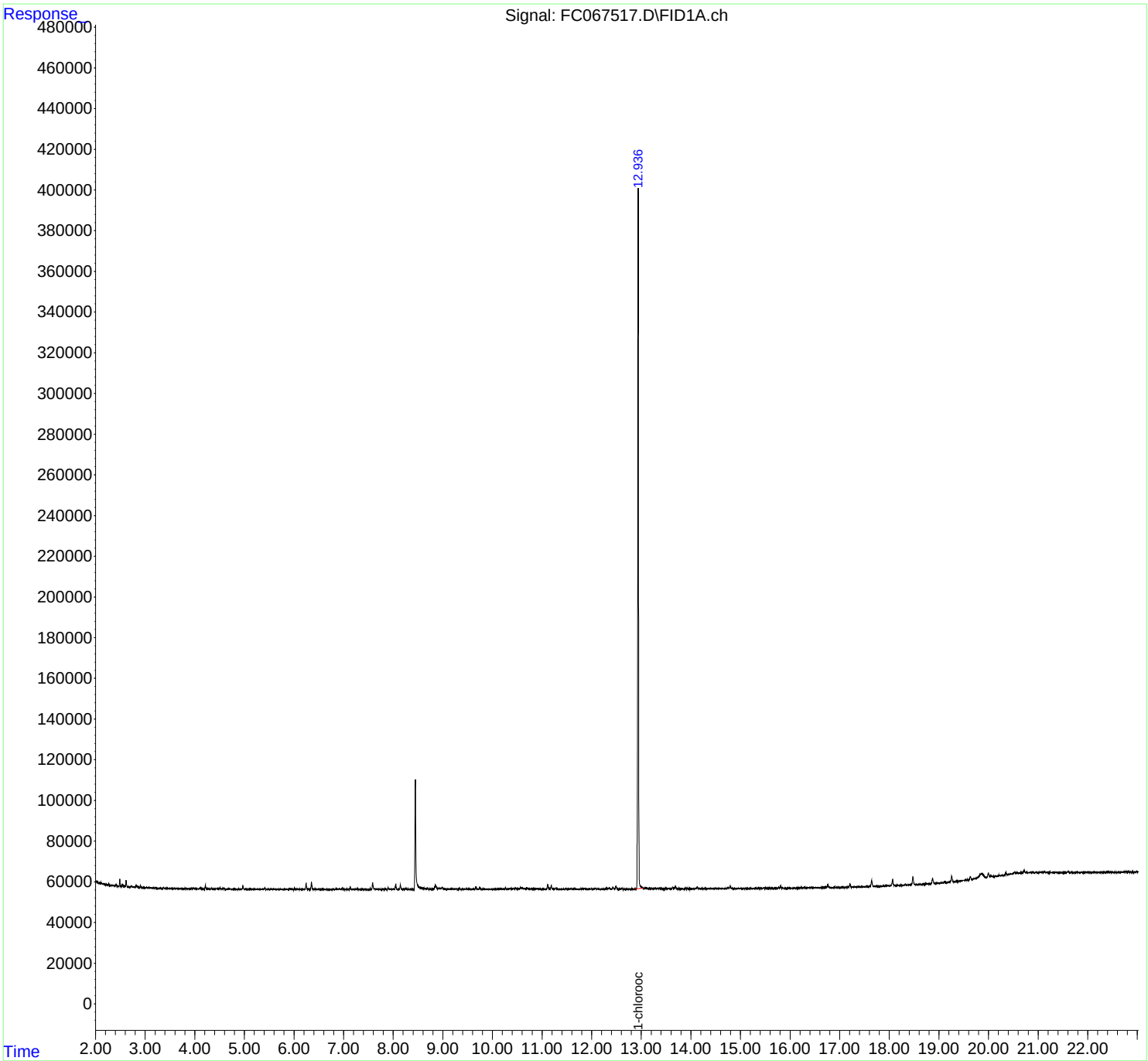
(f)=RT Delta > 1/2 Window (m)=manual int.

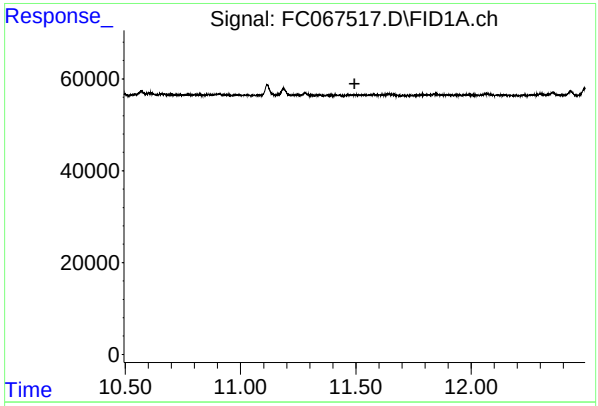
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102424AL\
Data File : FC067517.D
Signal(s) : FID1A.ch
Acq On : 24 Oct 2024 11:36
Operator : YP/AJ
Sample : PB164368BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164368BL

Integration File: autoint1.e
Quant Time: Oct 25 01:20:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

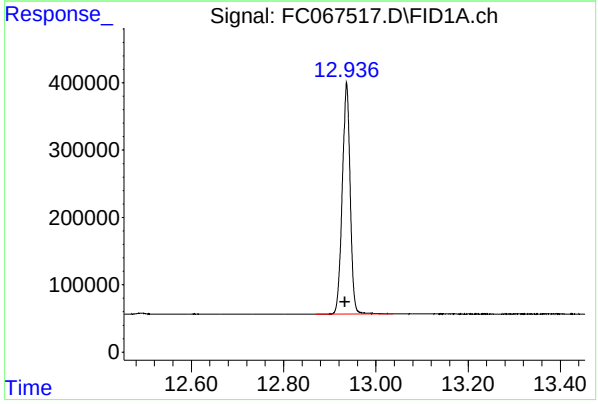




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.494 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB164368BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.937 min
Delta R.T.: 0.004 min
Response: 4069566
Conc: 37.69 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102424AL\
Data File : FC067517.D
Signal(s) : FID1A.ch
Acq On : 24 Oct 2024 11:36
Sample : PB164368BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	12.937	12.870	13.037	BB	344301	4069566	100.00%	100.000%
			Sum of corrected areas:			4069566		

Aliphatic EPH 102324.M Fri Oct 25 01:29:00 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102424AR\
Data File : FD048579.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 11:36
Operator : YP/AJ
Sample : PB164368BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164368BL

Integration File: autoint1.e
Quant Time: Oct 25 01:32:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 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...	7.373	7964882	52.477 ug/ml
Spiked Amount 50.000		Recovery = 104.95%	
6) S 2-Flurobiphenyl (SURR)	8.221	4405849	44.870 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 89.74%	
11) S ortho-Terphenyl (SURR)	11.259	7682238	45.099 ug/ml
Spiked Amount 50.000		Recovery = 90.20%	
Target Compounds			

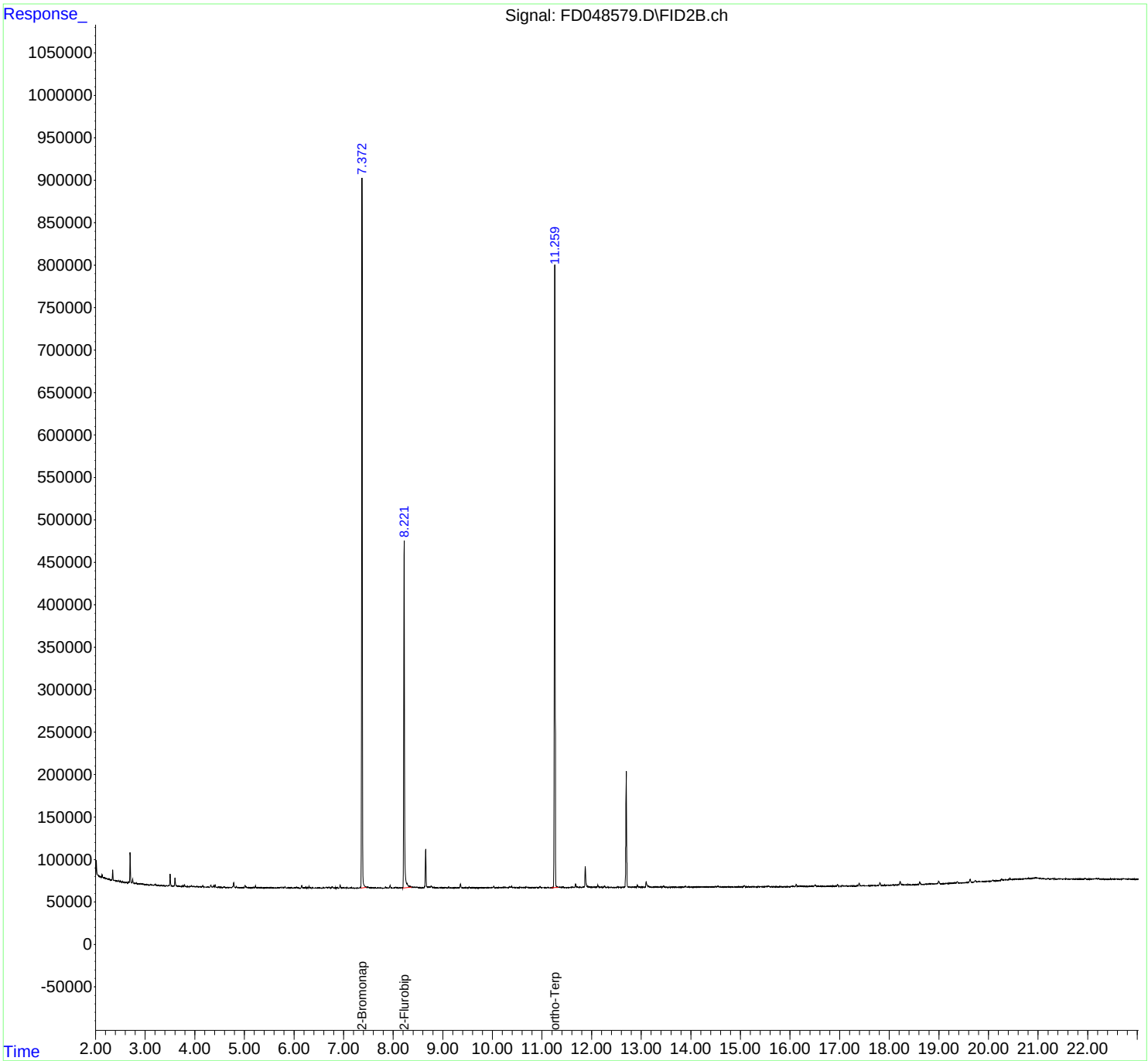
(f)=RT Delta > 1/2 Window (m)=manual int.

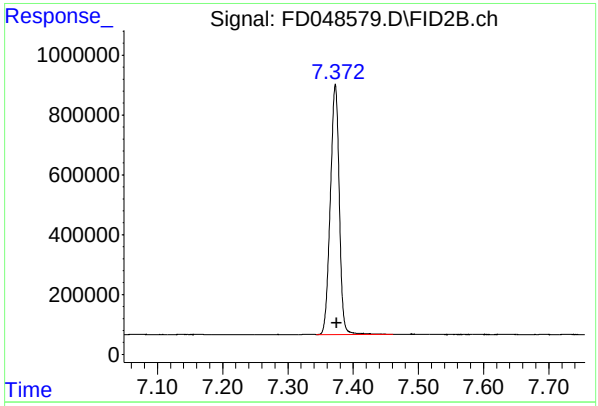
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102424AR\
Data File : FD048579.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 11:36
Operator : YP/AJ
Sample : PB164368BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164368BL

Integration File: autoint1.e
Quant Time: Oct 25 01:32:26 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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

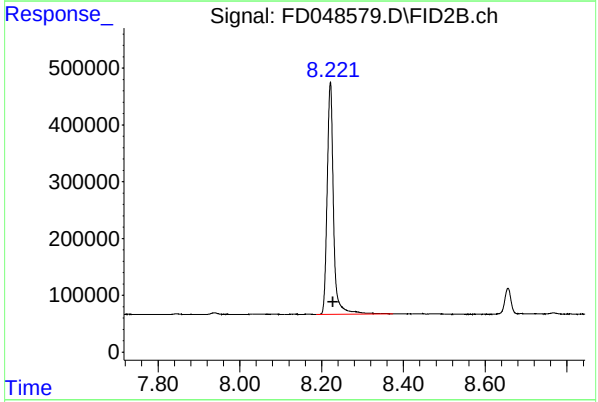




#4 2-Bromonaphthalene (SURR)

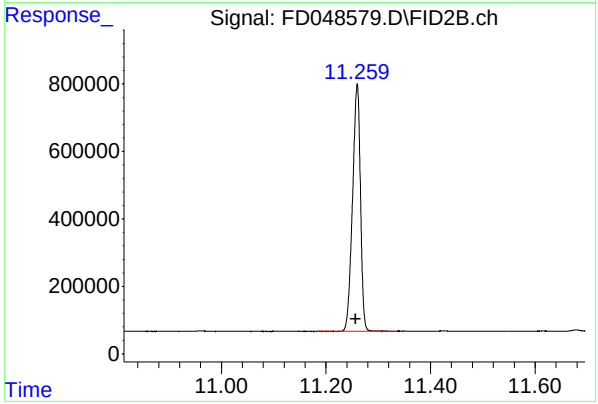
R.T.: 7.373 min
Delta R.T.: -0.002 min
Response: 7964882
Conc: 52.48 ug/ml

Instrument :
FID_D
ClientSampleId :
PB164368BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.221 min
Delta R.T.: -0.007 min
Response: 4405849
Conc: 44.87 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.259 min
Delta R.T.: 0.003 min
Response: 7682238
Conc: 45.10 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102424AR\
Data File : FD048579.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 11:36
Sample : PB164368BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	7.373	7.343	7.461	PV	826793	7964882	100.00%	39.719%
2	8.221	8.187	8.374	PV	408566	4405849	55.32%	21.971%
3	11.260	11.181	11.328	BV	743445	7682238	96.45%	38.310%

Sum of corrected areas: 20052969

Aromatic EPH 102324.M Sat Oct 26 05:59:34 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067486.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 01:53
Operator : YP/AJ
Sample : PB164309BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164309BS

Integration File: autoint1.e
Quant Time: Oct 23 04:51:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 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...	12.936	3694096	32.635 ug/ml
Spiked Amount	50.000		Recovery =	65.27%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	3101220	24.465 ug/ml
2) T	n-Decane (C10)	4.339	3906174	30.388 ug/ml
4) T	n-Dodecane (C12)	6.355	4530547	34.914 ug/ml
6) T	n-Tetradecane (C14)	8.148	4866594	37.785 ug/ml
7) T	n-Hexadecane (C16)	9.747	5243858	39.393 ug/ml
8) T	n-Octadecane (C18)	11.187	5496331	40.533 ug/ml
10) T	n-Eicosane (C20)	12.495	5863944	44.910 ug/ml
11) T	n-Heneicosane (C21)	13.105	5694154	44.397 ug/ml
13) T	n-Docosane (C22)	13.691	5690962	44.569 ug/ml
14) T	n-Tetracosane (C24)	14.793	5624464	43.978 ug/ml
15) T	n-Hexacosane (C26)	15.812	5544919	43.977 ug/ml
16) T	n-Octacosane (C28)	16.761	5490169	43.701 ug/ml
17) T	n-Tricontane (C30)	17.647	5540886	43.011 ug/ml
18) T	n-Dotriacontane (C32)	18.479	5534007	44.298 ug/ml
19) T	n-Tetratriacontane (C34)	19.260	5567290	50.946 ug/ml
20) T	n-Hexatriacontane (C36)	19.998	5533924	58.549 ug/ml
21) T	n-Octatriacontane (C38)	20.723	5625748	64.148 ug/ml
22) T	n-Tetracontane (C40)	21.608	5705225	66.303 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

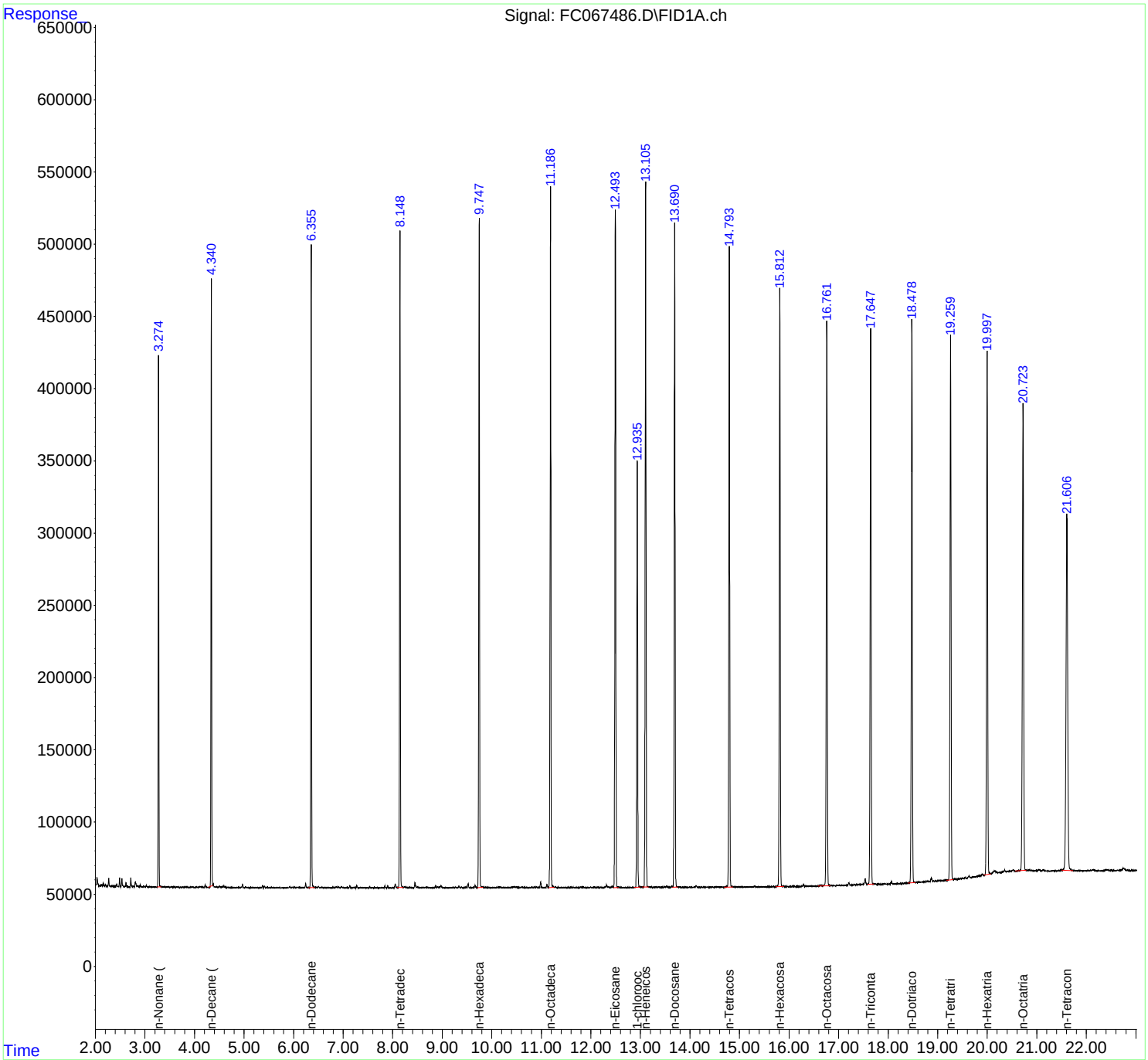
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067486.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 01:53
Operator : YP/AJ
Sample : PB164309BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164309BS

12

Integration File: autoint1.e
Quant Time: Oct 23 04:51:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 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\FC102224AL\
Data File : FC067486.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 01:53
Sample : PB164309BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.245	3.329	BB	367995	3101220	52.89%	3.156%
2	4.339	4.284	4.370	BV	423405	3906174	66.61%	3.976%
3	6.355	6.294	6.422	BV	445721	4530547	77.26%	4.611%
4	8.148	8.087	8.219	BB	453822	4866594	82.99%	4.953%
5	9.747	9.707	9.824	BB	463712	5243858	89.43%	5.337%
6	11.187	11.147	11.260	PV	486044	5496331	93.73%	5.594%
7	12.495	12.455	12.559	PB	465632	5863944	100.00%	5.968%
8	12.936	12.867	13.000	BB	294263	3694096	63.00%	3.760%
9	13.105	13.040	13.165	BB	483462	5694154	97.10%	5.795%
10	13.691	13.652	13.759	VB	457631	5690962	97.05%	5.792%
11	14.793	14.690	14.867	BB	445800	5624464	95.92%	5.724%
12	15.812	15.725	15.887	BB	413991	5544919	94.56%	5.643%
13	16.761	16.592	16.834	BB	391172	5490169	93.63%	5.588%
14	17.647	17.584	17.714	BB	384030	5540886	94.49%	5.639%
15	18.479	18.404	18.552	BB	390079	5534007	94.37%	5.632%
16	19.260	19.177	19.317	BB	377523	5567290	94.94%	5.666%
17	19.998	19.927	20.072	BB	357729	5533924	94.37%	5.632%
18	20.723	20.570	20.794	BB	323012	5625748	95.94%	5.726%
19	21.608	21.500	21.734	BB	244753	5705225	97.29%	5.807%
			Sum of corrected areas:			98254512		

Aliphatic EPH 100224.M Wed Oct 23 05:03:33 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048549.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 01:53
Operator : YP/AJ
Sample : PB164309BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164309BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 05:08:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 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...	7.375	9156141	55.301 ug/ml
	Spiked Amount 50.000		Recovery = 110.60%	
6)	S 2-Flurobiphenyl (SURR)	8.226	6092899	58.752 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 117.50%	
11)	S ortho-Terphenyl (SURR)	11.262	8373445	45.509 ug/ml
	Spiked Amount 50.000		Recovery = 91.02%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.198	7084905	40.426 ug/ml
2)	T Naphthalene (C11.7)	5.715	8079742	43.274 ug/ml
3)	T 2-Methylnaphthalene (...	6.762	7936048	41.992 ug/ml
5)	T Acenaphthylene (C15.06)	8.028	8489019	44.250 ug/ml
7)	T Acenaphthene (C15.5)	8.324	8910017	47.104 ug/ml
8)	T Flouorene (C16.55)	9.102	9180269	50.811 ug/ml
9)	T Phenanthrene (C19.36)	10.490	9364043	52.836 ug/ml
10)	T Anthracene (C19.43)	10.566	9496638	53.370 ug/ml
12)	T Fluoranthene (C21.85)	12.296	9500306	52.525 ug/mlm
13)	T Pyrene (C20.8)	12.589	9898866	55.280 ug/ml
14)	T Benzo[a]anthracene (C...	14.457	8783760	54.962 ug/ml
15)	T Chrysene (C27.41)	14.501	8916179	47.801 ug/ml
16)	T benzo[b]fluoranthene ...	16.006	8570622	51.462 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.041	8531946	50.262 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.382	8266390	50.577 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.750	8684848	66.024 ug/ml
20)	T Dibenz[a,h]anthracene...	17.788	8271453	49.431 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.002	7994863	49.222 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

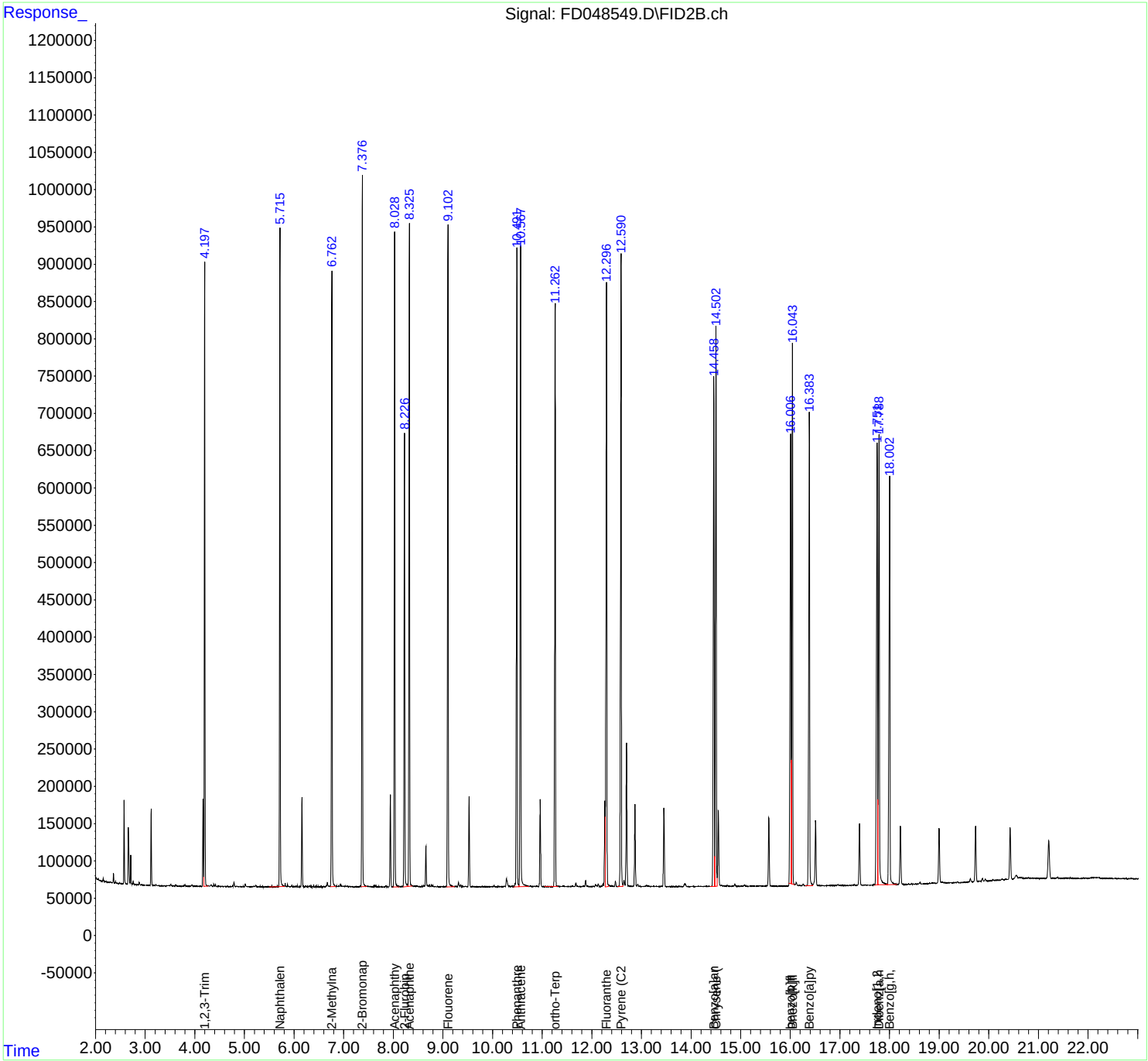
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048549.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 01:53
Operator : YP/AJ
Sample : PB164309BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164309BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 05:08:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



12

Instrument :
FID_D
ClientSampleId :
PB164309BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10222
Data File : FD048549.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 01:53
Sample : PB164309BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.198	4.180	4.268	VV	836237	7084905	66.05%	3.918%
2	5.715	5.498	5.804	BV	878875	8079742	75.33%	4.469%
3	6.762	6.728	6.845	PV	817737	7936048	73.99%	4.389%
4	7.375	7.348	7.466	VV	937076	9156141	85.37%	5.064%
5	8.028	7.989	8.114	VV	869583	8489019	79.15%	4.695%
6	8.226	8.193	8.294	PV	599262	6092899	56.81%	3.370%
7	8.324	8.294	8.384	VV	888565	8910017	83.07%	4.928%
8	9.102	9.067	9.238	VV	874266	9180269	85.59%	5.077%
9	10.490	10.415	10.531	PV	864037	9364043	87.30%	5.179%
10	10.566	10.531	10.738	VV	873741	9496638	88.54%	5.252%
11	11.262	11.051	11.321	BV	777876	8373445	78.07%	4.631%
12	12.296	12.236	12.448	VV	799823	10725861	100.00%	5.932%
13	12.589	12.518	12.627	PV	868528	9898866	92.29%	5.475%
14	14.457	14.381	14.476	BV	684953	8783760	81.89%	4.858%
15	14.501	14.476	14.526	VV	749601	8916179	83.13%	4.931%
16	16.006	15.971	16.021	BV	601254	8570622	79.91%	4.740%
17	16.041	16.021	16.094	VV	714118	8531946	79.55%	4.719%
18	16.382	16.304	16.453	BV	623291	8266390	77.07%	4.572%
19	17.750	17.701	17.764	BV	603505	8684848	80.97%	4.803%
20	17.788	17.764	17.953	VV	602947	8271453	77.12%	4.575%
21	18.002	17.953	18.158	VV	540430	7994863	74.54%	4.422%

Sum of corrected areas: 180807953

Aromatic EPH 093024.M Wed Oct 23 05:18:21 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102424AL\
Data File : FC067518.D
Signal(s) : FID1A.ch
Acq On : 24 Oct 2024 12:12
Operator : YP/AJ
Sample : PB164368BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164368BS

Integration File: autoint1.e
Quant Time: Oct 25 01:20:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 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...	12.935	3890871	36.031 ug/ml
Spiked Amount	50.000		Recovery =	72.06%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	3226927	23.953 ug/ml
2) T	n-Decane (C10)	4.339	4057206	29.779 ug/ml
4) T	n-Dodecane (C12)	6.355	4700829	34.707 ug/ml
6) T	n-Tetradecane (C14)	8.147	5044234	38.429 ug/ml
7) T	n-Hexadecane (C16)	9.746	5461429	41.342 ug/ml
8) T	n-Octadecane (C18)	11.186	5753658	43.551 ug/ml
10) T	n-Eicosane (C20)	12.494	6149121	48.734 ug/ml
11) T	n-Heneicosane (C21)	13.105	5979684	48.452 ug/ml
13) T	n-Docosane (C22)	13.690	5983759	48.867 ug/ml
14) T	n-Tetracosane (C24)	14.792	5922549	48.862 ug/ml
15) T	n-Hexacosane (C26)	15.811	5837565	49.032 ug/ml
16) T	n-Octacosane (C28)	16.759	5766750	49.017 ug/ml
17) T	n-Tricontane (C30)	17.645	5830869	48.240 ug/ml
18) T	n-Dotriacontane (C32)	18.478	5817361	49.166 ug/ml
19) T	n-Tetratriacontane (C34)	19.259	5822303	55.595 ug/ml
20) T	n-Hexatriacontane (C36)	19.998	5787992	63.585 ug/ml
21) T	n-Octatriacontane (C38)	20.722	5862752	67.697 ug/ml
22) T	n-Tetracontane (C40)	21.610	5903693	69.446 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

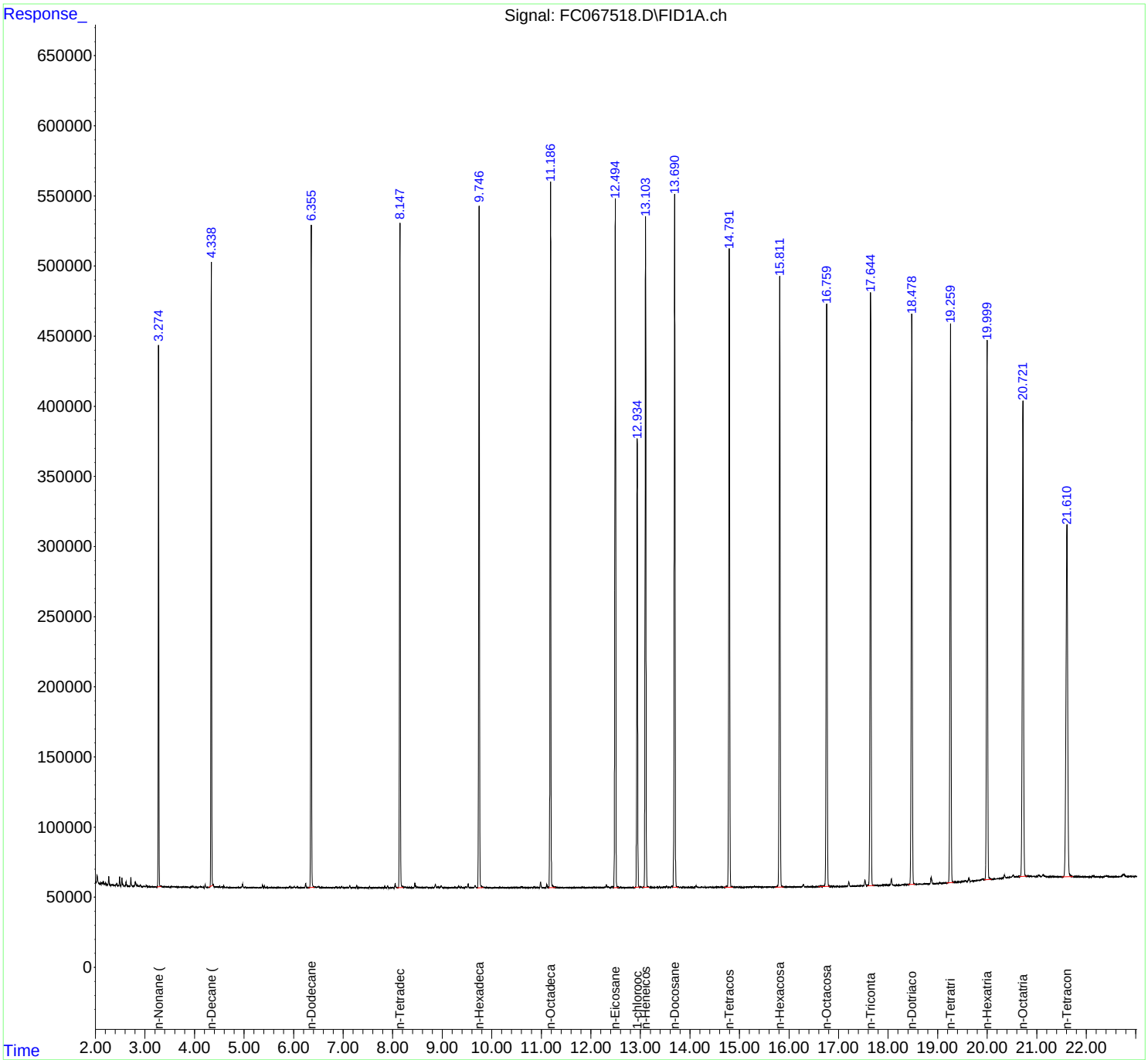
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102424AL\
Data File : FC067518.D
Signal(s) : FID1A.ch
Acq On : 24 Oct 2024 12:12
Operator : YP/AJ
Sample : PB164368BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164368BS

12

Integration File: autoint1.e
Quant Time: Oct 25 01:20:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 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\FC102424AL\
Data File : FC067518.D
Signal(s) : FID1A.ch
Acq On : 24 Oct 2024 12:12
Sample : PB164368BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	3.245	3.328	BB	385743	3226927	52.48%	3.139%
2	4.339	4.283	4.372	BV	443941	4057206	65.98%	3.947%
3	6.355	6.292	6.422	BV	472025	4700829	76.45%	4.573%
4	8.147	8.087	8.220	BB	471592	5044234	82.03%	4.907%
5	9.746	9.707	9.830	BB	483884	5461429	88.82%	5.313%
6	11.186	11.143	11.293	PB	502724	5753658	93.57%	5.597%
7	12.494	12.455	12.560	PB	490398	6149121	100.00%	5.982%
8	12.935	12.867	12.988	BB	319532	3890871	63.28%	3.785%
9	13.105	13.038	13.170	BB	477253	5979684	97.24%	5.817%
10	13.690	13.652	13.763	PB	494282	5983759	97.31%	5.821%
11	14.792	14.702	14.865	BB	456087	5922549	96.32%	5.761%
12	15.811	15.722	15.895	BB	434364	5837565	94.93%	5.679%
13	16.759	16.590	16.825	BB	412859	5766750	93.78%	5.610%
14	17.645	17.580	17.722	BB	421612	5830869	94.82%	5.672%
15	18.478	18.407	18.542	BB	406379	5817361	94.60%	5.659%
16	19.259	19.182	19.327	BB	398260	5822303	94.69%	5.664%
17	19.998	19.940	20.087	BB	380958	5787992	94.13%	5.630%
18	20.722	20.647	20.805	BB	337718	5862752	95.34%	5.703%
19	21.610	21.508	21.732	BB	251649	5903693	96.01%	5.743%

Sum of corrected areas: 102799549

Aliphatic EPH 102324.M Fri Oct 25 01:29:29 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102424AR\
Data File : FD048580.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 12:12
Operator : YP/AJ
Sample : PB164368BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164368BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024

Integration File: autoint1.e
Quant Time: Oct 25 01:32:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 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...	7.375	9353560	61.626 ug/ml
	Spiked Amount 50.000		Recovery = 123.25%	
6)	S 2-Flurobiphenyl (SURR)	8.225	6250050	63.651 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 127.30%	
11)	S ortho-Terphenyl (SURR)	11.262	8632075	50.676 ug/ml
	Spiked Amount 50.000		Recovery = 101.35%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.196	7144043	41.064 ug/mlm
2)	T Naphthalene (C11.7)	5.715	8243393	46.199 ug/ml
3)	T 2-Methylnaphthalene (...	6.762	8132734	45.468 ug/ml
5)	T Acenaphthylene (C15.06)	8.028	8670664	49.380 ug/ml
7)	T Acenaphthene (C15.5)	8.324	9162505	51.660 ug/ml
8)	T Flouorene (C16.55)	9.102	9413034	55.686 ug/ml
9)	T Phenanthrene (C19.36)	10.490	9624345	58.221 ug/ml
10)	T Anthracene (C19.43)	10.566	9784466	61.187 ug/ml
12)	T Fluoranthene (C21.85)	12.296	9783915	59.449 ug/mlm
13)	T Pyrene (C20.8)	12.589	10183123	63.219 ug/ml
14)	T Benzo[a]anthracene (C...	14.458	9081317	62.109 ug/ml
15)	T Chrysene (C27.41)	14.502	9189641	55.867 ug/ml
16)	T benzo[b]fluoranthene ...	16.006	8929414	58.735 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.041	8882676	59.098 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.383	8526541	56.656 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.750	8958027	68.655 ug/ml
20)	T Dibenz[a,h]anthracene...	17.788	8642837	53.110 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.002	8234186	53.786 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

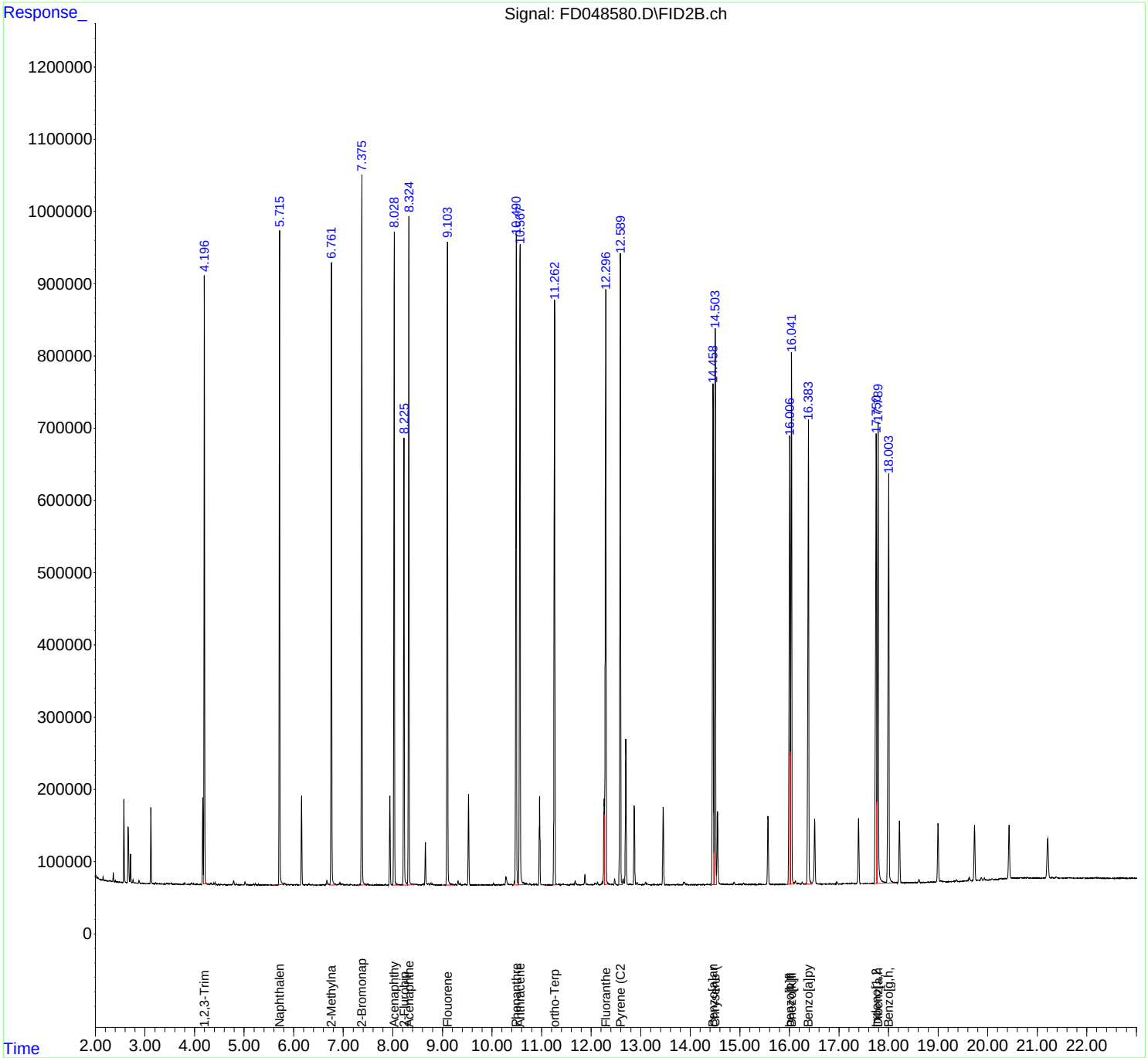
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102424AR\
Data File : FD048580.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 12:12
Operator : YP/AJ
Sample : PB164368BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Oct 25 01:32:35 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 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 :
PB164368BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024



12

Instrument :
FID_D
ClientSampleId :
PB164368BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10242
Data File : FD048580.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 12:12
Sample : PB164368BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.196	4.179	4.246	M	842781	7171685	64.97%	3.854%
2	5.715	5.584	5.803	BV	903010	8243393	74.68%	4.429%
3	6.762	6.728	6.874	VV	858283	8132734	73.68%	4.370%
4	7.375	7.348	7.463	VV	976788	9353560	84.74%	5.026%
5	8.028	7.987	8.114	VV	893724	8670664	78.55%	4.659%
6	8.225	8.193	8.294	PV	614668	6250050	56.62%	3.358%
7	8.324	8.294	8.458	VB	931145	9162505	83.01%	4.923%
8	9.102	9.067	9.238	VV	872928	9413034	85.28%	5.058%
9	10.490	10.418	10.530	PV	907720	9624345	87.19%	5.171%
10	10.566	10.530	10.738	VV	903893	9784466	88.64%	5.258%
11	11.262	11.191	11.328	BV	801726	8632075	78.20%	4.638%
12	12.295	12.236	12.448	VB	805841	11038115	100.00%	5.931%
13	12.589	12.538	12.627	BV	859218	10183123	92.25%	5.472%
14	14.458	14.411	14.477	BV	691611	9081317	82.27%	4.880%
15	14.502	14.477	14.526	VV	750431	9189641	83.25%	4.938%
16	16.006	15.961	16.021	BV	627345	8929414	80.90%	4.798%
17	16.041	16.021	16.096	VV	735653	8882676	80.47%	4.773%
18	16.383	16.311	16.453	BV	656774	8526541	77.25%	4.582%
19	17.750	17.701	17.764	BV	629462	8958027	81.16%	4.813%
20	17.788	17.764	17.951	VV	634733	8642837	78.30%	4.644%
21	18.002	17.951	18.158	VV	557115	8234186	74.60%	4.424%
			Sum of corrected areas:			186104388		

Aromatic EPH 102324.M Fri Oct 25 01:55:50 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067487.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 02:29
Operator : YP/AJ
Sample : PB164309BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164309BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 04:51:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 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...	12.936	3849203	34.005 ug/ml
Spiked Amount	50.000		Recovery =	68.01%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	3057838	24.123 ug/ml
2) T	n-Decane (C10)	4.340	3912928	30.441 ug/ml
4) T	n-Dodecane (C12)	6.356	4501163	34.688 ug/ml
6) T	n-Tetradecane (C14)	8.149	4855616	37.700 ug/ml
7) T	n-Hexadecane (C16)	9.748	5240992	39.371 ug/ml
8) T	n-Octadecane (C18)	11.187	5496714	40.536 ug/ml
10) T	n-Eicosane (C20)	12.495	5865513	44.922 ug/ml
11) T	n-Heneicosane (C21)	13.106	5700667	44.447 ug/ml
13) T	n-Docosane (C22)	13.691	5698783	44.631 ug/ml
14) T	n-Tetracosane (C24)	14.791	5633195	44.046 ug/ml
15) T	n-Hexacosane (C26)	15.812	5565510	44.141 ug/ml
16) T	n-Octacosane (C28)	16.759	5506276	43.830 ug/mlm
17) T	n-Tricontane (C30)	17.646	5575869	43.283 ug/ml
18) T	n-Dotriacontane (C32)	18.478	5572714	44.607 ug/ml
19) T	n-Tetratriacontane (C34)	19.260	5614082	51.375 ug/ml
20) T	n-Hexatriacontane (C36)	19.999	5593128	59.176 ug/ml
21) T	n-Octatriacontane (C38)	20.724	5700340	64.998 ug/ml
22) T	n-Tetracontane (C40)	21.610	5731280	66.606 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

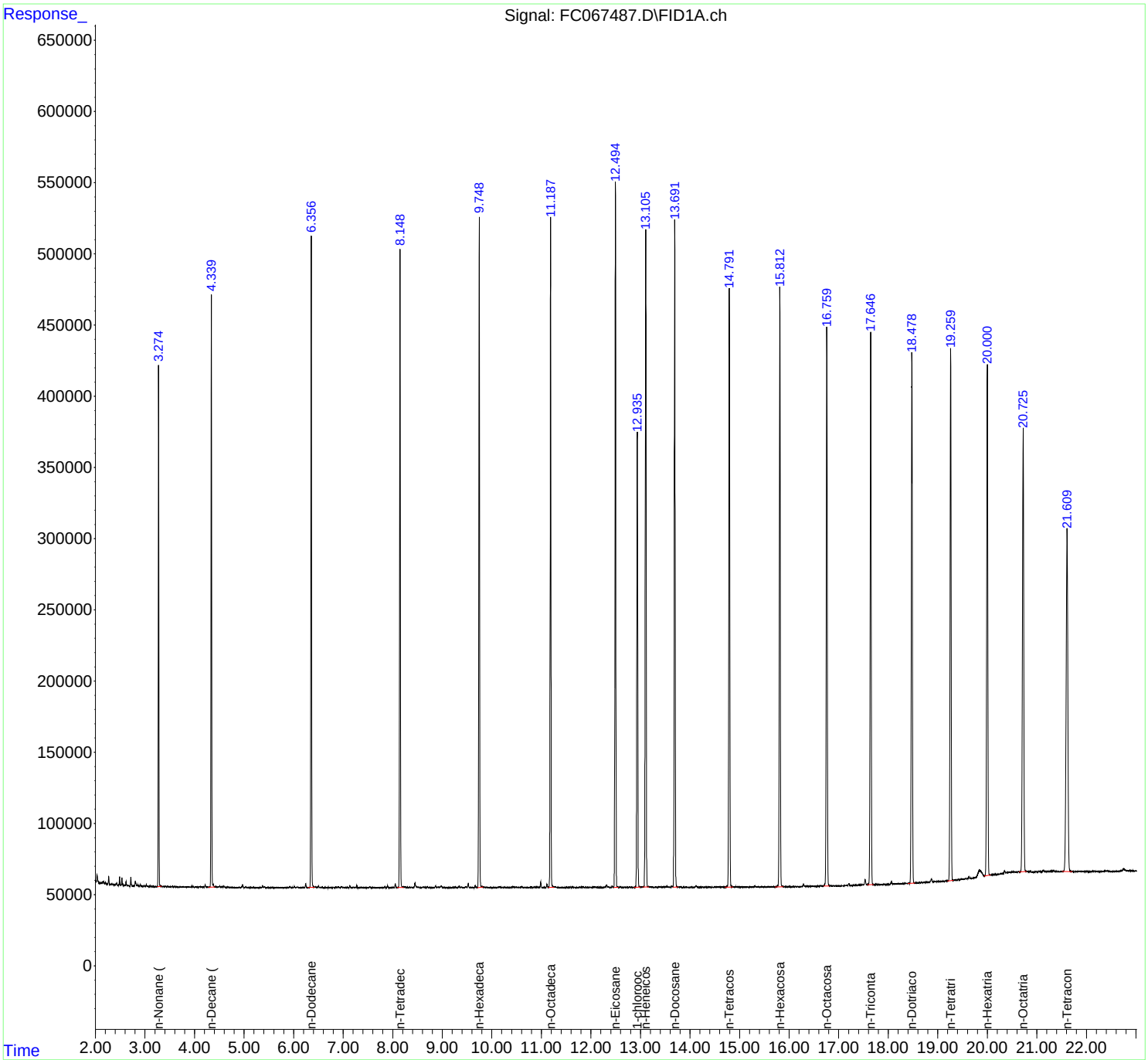
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067487.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 02:29
Operator : YP/AJ
Sample : PB164309BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164309BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 04:51:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



12

Instrument :
FID_C
ClientSampleId :
PB164309BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10222
Data File : FC067487.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 02:29
Sample : PB164309BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.245	3.332	BB	366078	3057838	52.13%	3.099%
2	4.340	4.285	4.415	BB	416364	3912928	66.71%	3.965%
3	6.356	6.292	6.424	BB	458751	4501163	76.74%	4.561%
4	8.149	8.087	8.222	BB	448023	4855616	82.78%	4.921%
5	9.748	9.709	9.822	BB	470622	5240992	89.35%	5.311%
6	11.187	11.145	11.262	PB	471530	5496714	93.71%	5.570%
7	12.495	12.457	12.557	PB	491809	5865513	100.00%	5.944%
8	12.936	12.867	13.002	BB	319117	3849203	65.62%	3.901%
9	13.106	13.042	13.172	BB	461521	5700667	97.19%	5.777%
10	13.691	13.654	13.757	VB	466546	5698783	97.16%	5.775%
11	14.791	14.702	14.862	BB	420256	5633195	96.04%	5.709%
12	15.812	15.720	15.884	BB	420461	5565510	94.89%	5.640%
13	16.760	16.590	16.830	BB	391958	5514062	94.01%	5.588%
14	17.646	17.580	17.709	BB	388927	5575869	95.06%	5.650%
15	18.478	18.397	18.537	BB	369606	5572714	95.01%	5.647%
16	19.260	19.192	19.319	BB	370975	5614082	95.71%	5.689%
17	19.999	19.939	20.065	VB	359379	5593128	95.36%	5.668%
18	20.724	20.640	20.794	BB	308136	5700340	97.18%	5.777%
19	21.610	21.514	21.717	BB	239739	5731280	97.71%	5.808%
			Sum of corrected areas:			98679597		

Aliphatic EPH 100224.M Wed Oct 23 05:03:54 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048550.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 02:29
Operator : YP/AJ
Sample : PB164309BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164309BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 05:09:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 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...	7.376	9146806	55.245 ug/ml
	Spiked Amount 50.000		Recovery = 110.49%	
6)	S 2-Flurobiphenyl (SURR)	8.226	6093512	58.758 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 117.52%	
11)	S ortho-Terphenyl (SURR)	11.262	8378054	45.534 ug/ml
	Spiked Amount 50.000		Recovery = 91.07%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.198	7030766	40.117 ug/ml
2)	T Naphthalene (C11.7)	5.716	8055709	43.145 ug/ml
3)	T 2-Methylnaphthalene (...	6.762	7931709	41.969 ug/ml
5)	T Acenaphthylene (C15.06)	8.029	8484379	44.226 ug/ml
7)	T Acenaphthene (C15.5)	8.325	8922624	47.171 ug/ml
8)	T Flouorene (C16.55)	9.102	9130828	50.538 ug/ml
9)	T Phenanthrene (C19.36)	10.490	9336772	52.682 ug/ml
10)	T Anthracene (C19.43)	10.566	9469937	53.220 ug/ml
12)	T Fluoranthene (C21.85)	12.295	9385127	51.888 ug/mlm
13)	T Pyrene (C20.8)	12.589	9864483	55.088 ug/ml
14)	T Benzo[a]anthracene (C...	14.457	8774935	54.907 ug/ml
15)	T Chrysene (C27.41)	14.501	8903794	47.735 ug/ml
16)	T benzo[b]fluoranthene ...	16.005	8569342	51.455 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.041	8532341	50.265 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.381	8284459	50.687 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.750	8723460	66.318 ug/ml
20)	T Dibenz[a,h]anthracene...	17.787	8242945	49.260 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.001	7963577	49.029 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

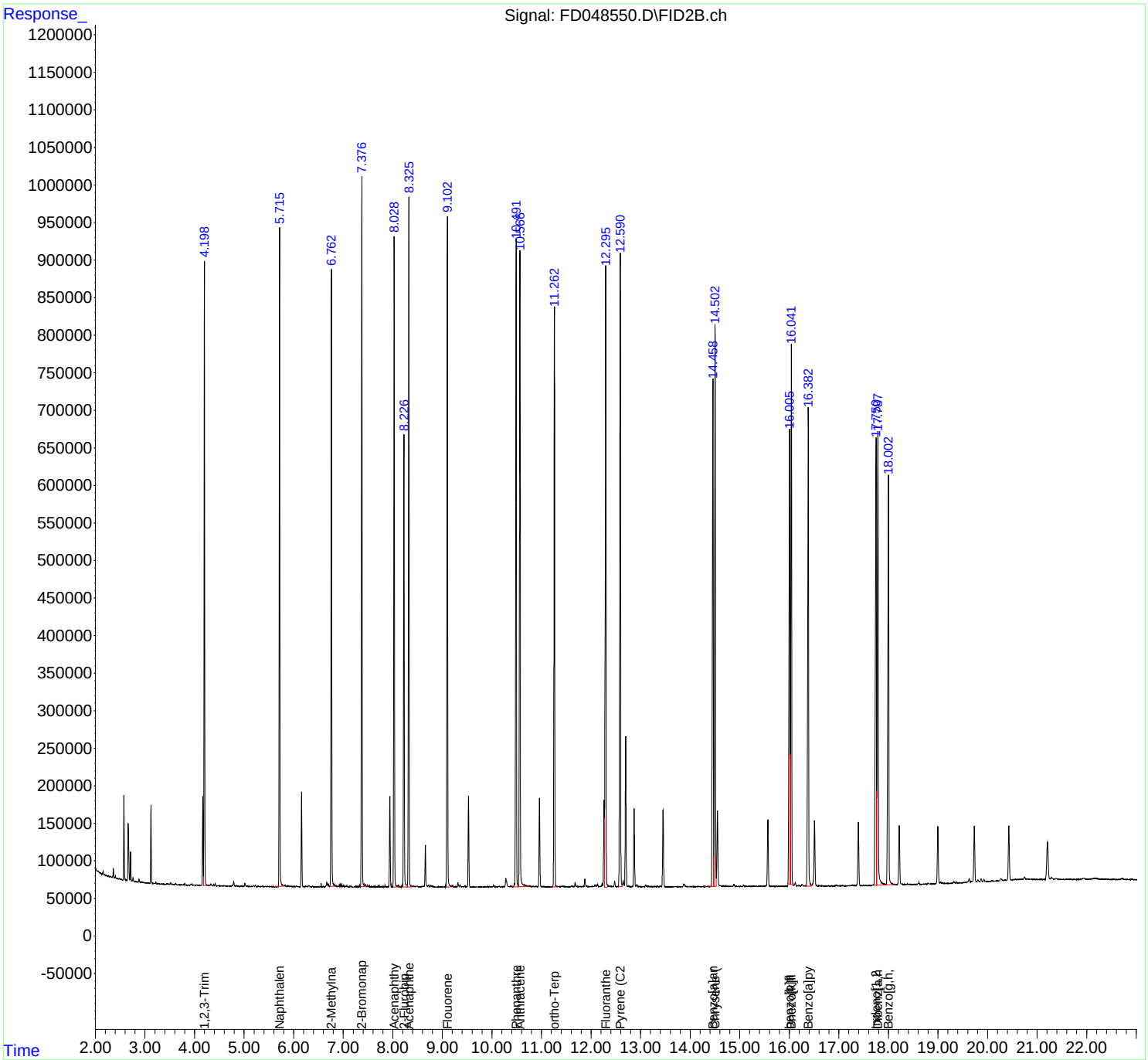
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048550.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 02:29
Operator : YP/AJ
Sample : PB164309BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164309BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 05:09:10 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



12

Instrument :
FID_D
ClientSampleId :
PB164309BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10222
Data File : FD048550.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 02:29
Sample : PB164309BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.198	4.180	4.268	VV	827714	7030766	65.78%	3.895%
2	5.716	5.608	5.807	BV	872198	8055709	75.36%	4.462%
3	6.762	6.727	6.851	PV	817087	7931709	74.20%	4.394%
4	7.376	7.348	7.464	PV	934237	9146806	85.57%	5.067%
5	8.029	7.996	8.151	PV	862691	8484379	79.38%	4.700%
6	8.226	8.194	8.294	PV	599105	6093512	57.01%	3.375%
7	8.325	8.294	8.414	VV	907957	8922624	83.48%	4.942%
8	9.102	9.071	9.234	VV	881688	9130828	85.42%	5.058%
9	10.490	10.418	10.534	PV	875080	9336772	87.35%	5.172%
10	10.566	10.534	10.738	VV	832435	9469937	88.60%	5.246%
11	11.262	11.204	11.334	BV	772465	8378054	78.38%	4.641%
12	12.295	12.236	12.451	VV	821608	10688941	100.00%	5.921%
13	12.589	12.548	12.626	BV	832540	9864483	92.29%	5.464%
14	14.457	14.378	14.476	BV	678979	8774935	82.09%	4.861%
15	14.501	14.476	14.526	VV	744673	8903794	83.30%	4.932%
16	16.005	15.971	16.020	BV	603474	8569342	80.17%	4.747%
17	16.041	16.020	16.092	VV	721893	8532341	79.82%	4.726%
18	16.381	16.311	16.454	PV	632223	8284459	77.50%	4.589%
19	17.750	17.701	17.764	BV	607539	8723460	81.61%	4.832%
20	17.787	17.764	17.951	VV	610154	8242945	77.12%	4.566%
21	18.001	17.951	18.154	VB	543219	7963577	74.50%	4.411%

Sum of corrected areas: 180529374

Aromatic EPH 093024.M Wed Oct 23 05:19:15 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102424AL\
Data File : FC067519.D
Signal(s) : FID1A.ch
Acq On : 24 Oct 2024 12:48
Operator : YP/AJ
Sample : PB164368BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164368BSD

Integration File: autoint1.e
Quant Time: Oct 25 01:20:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 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...	12.935	3852811	35.678	ug/ml
Spiked Amount	50.000		Recovery =	71.36%	
	Target Compounds				
1) T	n-Nonane (C9)	3.274	3181956	23.619	ug/ml
2) T	n-Decane (C10)	4.339	3995881	29.328	ug/ml
4) T	n-Dodecane (C12)	6.355	4615811	34.080	ug/ml
6) T	n-Tetradecane (C14)	8.148	4960737	37.793	ug/ml
7) T	n-Hexadecane (C16)	9.746	5380728	40.731	ug/ml
8) T	n-Octadecane (C18)	11.186	5663916	42.872	ug/ml
10) T	n-Eicosane (C20)	12.494	6072130	48.124	ug/ml
11) T	n-Heneicosane (C21)	13.105	5917470	47.948	ug/ml
13) T	n-Docosane (C22)	13.690	5916069	48.315	ug/ml
14) T	n-Tetracosane (C24)	14.791	5850737	48.269	ug/ml
15) T	n-Hexacosane (C26)	15.811	5768313	48.451	ug/ml
16) T	n-Octacosane (C28)	16.760	5714313	48.572	ug/ml
17) T	n-Tricontane (C30)	17.647	5777502	47.799	ug/ml
18) T	n-Dotriacontane (C32)	18.478	5770757	48.772	ug/ml
19) T	n-Tetratriacontane (C34)	19.261	5771969	55.114	ug/ml
20) T	n-Hexatriacontane (C36)	19.998	5729551	62.943	ug/ml
21) T	n-Octatriacontane (C38)	20.722	5803523	67.013	ug/ml
22) T	n-Tetracontane (C40)	21.609	5827664	68.552	ug/ml

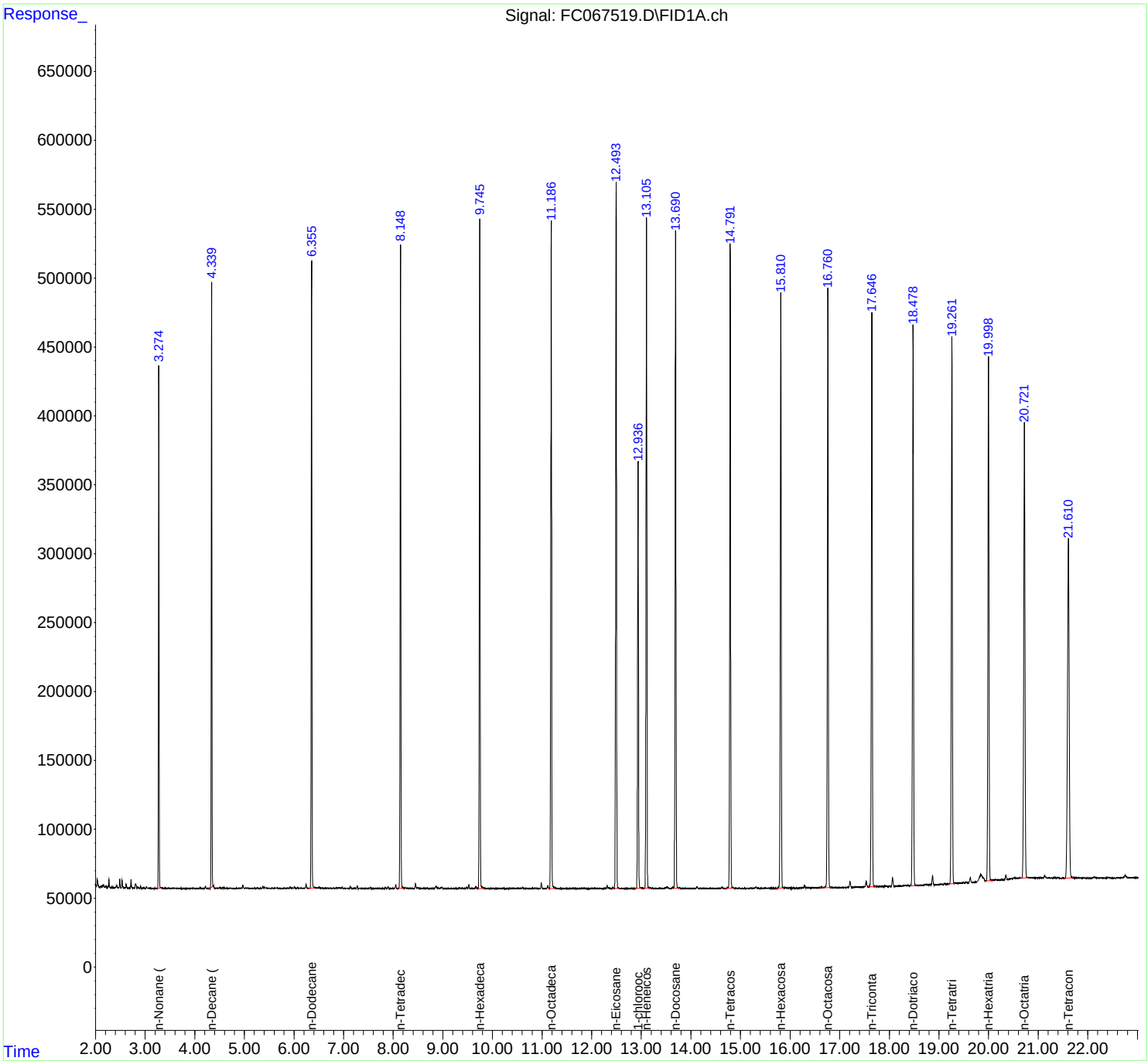
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102424AL\
Data File : FC067519.D
Signal(s) : FID1A.ch
Acq On : 24 Oct 2024 12:48
Operator : YP/AJ
Sample : PB164368BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB164368BSD

Integration File: autoint1.e
Quant Time: Oct 25 01:20:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:12:58 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\FC102424AL\
Data File : FC067519.D
Signal(s) : FID1A.ch
Acq On : 24 Oct 2024 12:48
Sample : PB164368BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 102324.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	3.245	3.327	BB	378472	3181956	52.40%	3.133%
2	4.339	4.284	4.370	BV	438772	3995881	65.81%	3.934%
3	6.355	6.292	6.420	BB	454625	4615811	76.02%	4.544%
4	8.148	8.087	8.219	BB	468688	4960737	81.70%	4.884%
5	9.746	9.707	9.834	BB	485071	5380728	88.61%	5.297%
6	11.186	11.142	11.267	PB	483080	5663916	93.28%	5.576%
7	12.494	12.455	12.547	PB	512821	6072130	100.00%	5.978%
8	12.935	12.874	12.997	BB	308512	3852811	63.45%	3.793%
9	13.105	13.037	13.175	BB	485900	5917470	97.45%	5.826%
10	13.690	13.654	13.762	VB	477438	5916069	97.43%	5.825%
11	14.791	14.695	14.862	BB	463925	5850737	96.35%	5.760%
12	15.811	15.725	15.884	BB	431056	5768313	95.00%	5.679%
13	16.760	16.595	16.824	BB	433751	5714313	94.11%	5.626%
14	17.647	17.580	17.715	BB	416694	5777502	95.15%	5.688%
15	18.478	18.425	18.549	BB	408349	5770757	95.04%	5.681%
16	19.261	19.190	19.327	BV	393425	5771969	95.06%	5.683%
17	19.998	19.935	20.075	VB	380817	5729551	94.36%	5.641%
18	20.722	20.649	20.809	BB	329666	5803523	95.58%	5.714%
19	21.609	21.517	21.722	BB	246088	5827664	95.97%	5.737%

Sum of corrected areas: 101571837

Aliphatic EPH 102324.M Fri Oct 25 01:29:58 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102424AR\
Data File : FD048581.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 12:48
Operator : YP/AJ
Sample : PB164368BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164368BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024

Integration File: autoint1.e
Quant Time: Oct 25 01:32:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 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...	7.375	9324431	61.434 ug/ml
	Spiked Amount 50.000		Recovery = 122.87%	
6)	S 2-Flurobiphenyl (SURR)	8.225	6235301	63.501 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 127.00%	
11)	S ortho-Terphenyl (SURR)	11.262	8632281	50.677 ug/ml
	Spiked Amount 50.000		Recovery = 101.35%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.197	7149109	41.094 ug/mlm
2)	T Naphthalene (C11.7)	5.715	8220179	46.068 ug/ml
3)	T 2-Methylnaphthalene (...	6.762	8102631	45.300 ug/ml
5)	T Acenaphthylene (C15.06)	8.028	8651569	49.271 ug/ml
7)	T Acenaphthene (C15.5)	8.324	9117504	51.406 ug/ml
8)	T Flouorene (C16.55)	9.101	9398047	55.598 ug/ml
9)	T Phenanthrene (C19.36)	10.490	9622711	58.212 ug/ml
10)	T Anthracene (C19.43)	10.566	9779454	61.156 ug/ml
12)	T Fluoranthene (C21.85)	12.296	9767225	59.347 ug/mlm
13)	T Pyrene (C20.8)	12.589	10178167	63.188 ug/ml
14)	T Benzo[a]anthracene (C...	14.459	9080335	62.102 ug/ml
15)	T Chrysene (C27.41)	14.502	9188696	55.861 ug/ml
16)	T benzo[b]fluoranthene ...	16.007	8908433	58.597 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.042	8901682	59.225 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.383	8544702	56.777 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.751	8997968	68.962 ug/ml
20)	T Dibenz[a,h]anthracene...	17.788	8643535	53.114 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.003	8235905	53.797 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

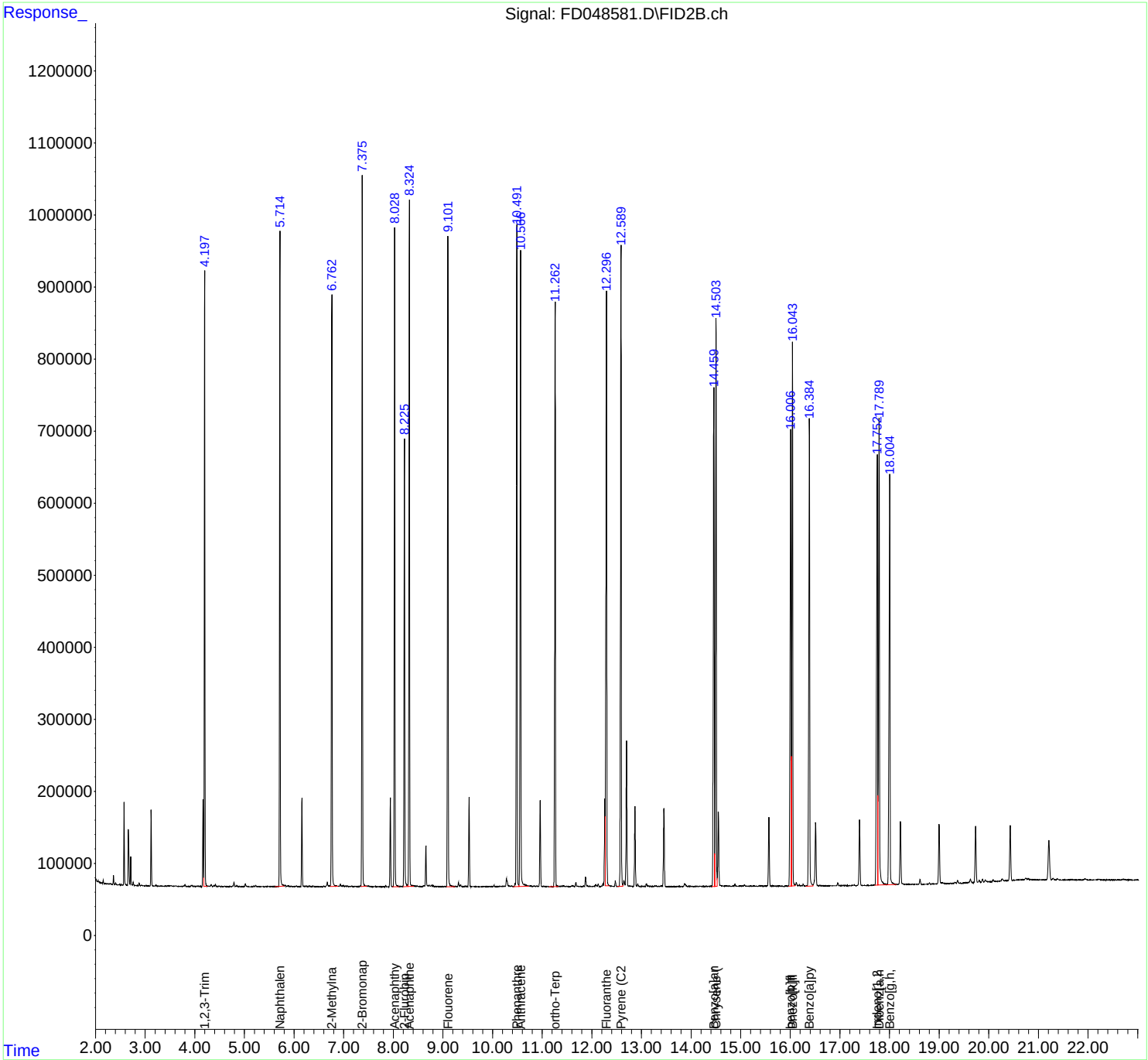
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102424AR\
Data File : FD048581.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 12:48
Operator : YP/AJ
Sample : PB164368BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB164368BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024

Integration File: autoint1.e
Quant Time: Oct 25 01:32:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
Quant Title : GC Extractables
QLast Update : Wed Oct 23 18:14:59 2024
Response via : Initial Calibration
Integrator: ChemStation

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



12

Instrument :
FID_D
ClientSampleId :
PB164368BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/25/2024
Supervised By :Ankita Jodhani 10/25/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10242
Data File : FD048581.D
Signal(s) : FID2B.ch
Acq On : 24 Oct 2024 12:48
Sample : PB164368BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.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	4.197	4.179	4.260	M	855072	7163429	64.91%	3.852%
2	5.715	5.614	5.808	BV	905855	8220179	74.49%	4.420%
3	6.762	6.728	6.888	VV	817982	8102631	73.43%	4.357%
4	7.375	7.344	7.471	VV	977695	9324431	84.50%	5.014%
5	8.028	7.982	8.118	VV	908802	8651569	78.40%	4.652%
6	8.225	8.193	8.294	PV	619554	6235301	56.50%	3.353%
7	8.324	8.294	8.414	VB	955492	9117504	82.62%	4.903%
8	9.101	9.068	9.241	BV	899023	9398047	85.16%	5.054%
9	10.490	10.410	10.531	PV	926790	9622711	87.20%	5.175%
10	10.566	10.531	10.738	VV	894479	9779454	88.62%	5.259%
11	11.262	11.136	11.328	PV	799878	8632281	78.22%	4.642%
12	12.295	12.236	12.451	VV	813985	11035222	100.00%	5.934%
13	12.589	12.510	12.628	VV	874011	10178167	92.23%	5.473%
14	14.459	14.414	14.477	PV	694695	9080335	82.29%	4.883%
15	14.502	14.477	14.526	VV	778202	9188696	83.27%	4.941%
16	16.007	15.961	16.022	BV	636119	8908433	80.73%	4.790%
17	16.042	16.022	16.095	VV	745073	8901682	80.67%	4.787%
18	16.383	16.318	16.454	BV	656180	8544702	77.43%	4.595%
19	17.751	17.701	17.766	BV	599052	8997968	81.54%	4.839%
20	17.788	17.766	17.948	VV	640108	8643535	78.33%	4.648%
21	18.003	17.948	18.144	VV	581930	8235905	74.63%	4.429%

Sum of corrected areas: 185962182

Aromatic EPH 102324.M Fri Oct 25 01:57:20 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067492.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 05:28
Operator : YP/AJ
Sample : P4460-03MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-303-BOTMS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 07:10:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 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...	12.935	3499428	30.915	ug/mlm
	Spiked Amount 50.000		Recovery = 61.83%		
	Target Compounds				
1)	T n-Nonane (C9)	3.274	3168879	24.999	ug/ml
2)	T n-Decane (C10)	4.340	4004691	31.155	ug/ml
4)	T n-Dodecane (C12)	6.357	6833351	52.661	ug/mlm
6)	T n-Tetradecane (C14)	8.152	10424558	80.938	ug/mlm
7)	T n-Hexadecane (C16)	9.748	6570361	49.357	ug/ml
8)	T n-Octadecane (C18)	11.187	5637137	41.571	ug/ml
10)	T n-Eicosane (C20)	12.494	5679037	43.494	ug/ml
11)	T n-Heneicosane (C21)	13.106	5457323	42.550	ug/ml
13)	T n-Docosane (C22)	13.692	5494434	43.030	ug/ml
14)	T n-Tetracosane (C24)	14.793	5335575	41.719	ug/ml
15)	T n-Hexacosane (C26)	15.812	5255785	41.684	ug/mlm
16)	T n-Octacosane (C28)	16.761	5245867	41.757	ug/ml
17)	T n-Tricontane (C30)	17.647	5249681	40.751	ug/ml
18)	T n-Dotriacontane (C32)	18.478	5231590	41.877	ug/ml
19)	T n-Tetratriacontane (C34)	19.260	5283731	48.352	ug/ml
20)	T n-Hexatriacontane (C36)	20.000	5262809	55.681	ug/mlm
21)	T n-Octatriacontane (C38)	20.722	5358205	61.097	ug/ml
22)	T n-Tetracontane (C40)	21.609	5468787	63.555	ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

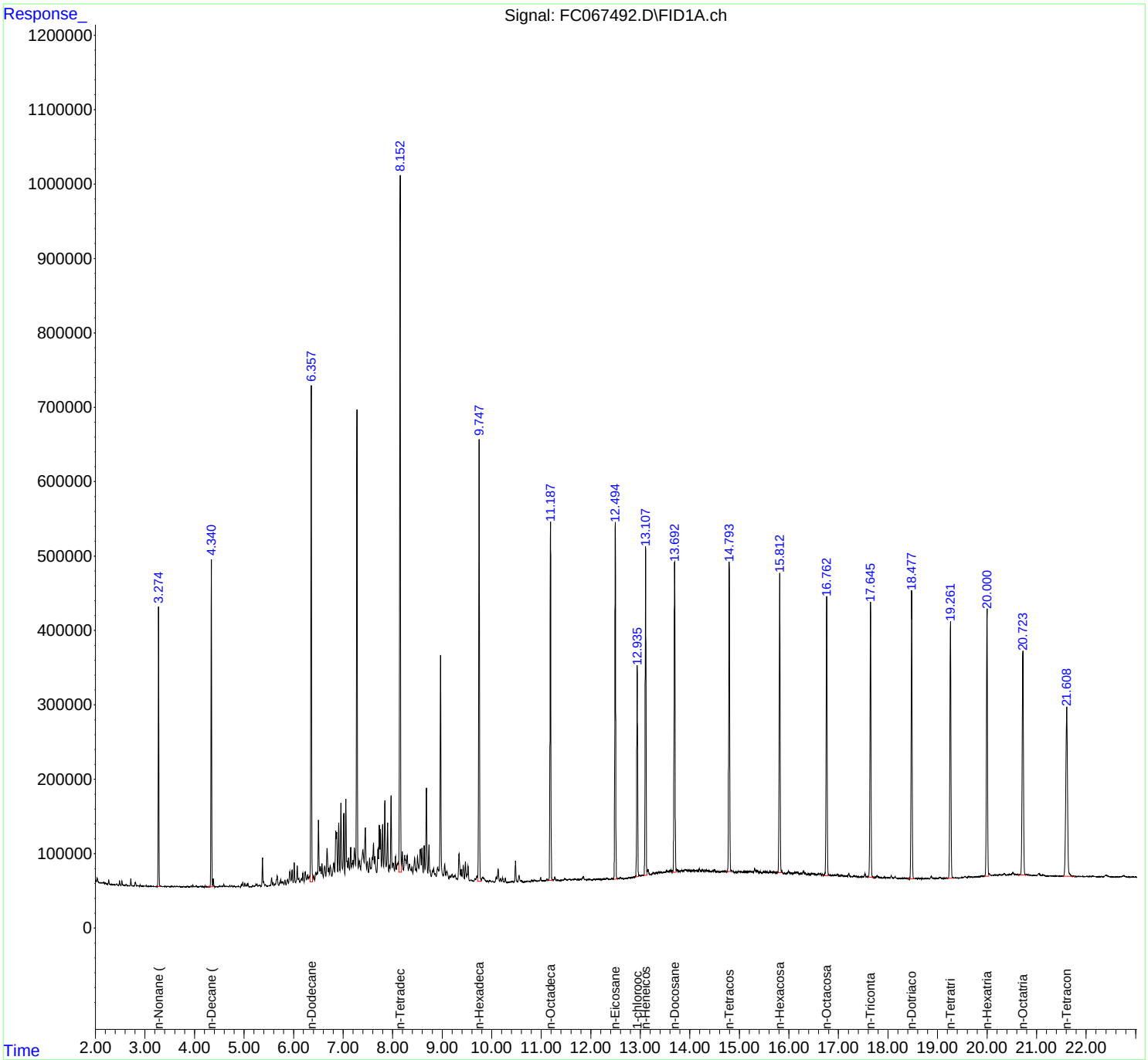
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067492.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 05:28
Operator : YP/AJ
Sample : P4460-03MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-303-BOTMS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 07:10:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 2024
Response via : Initial Calibration
Integrator: ChemStation

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



12

Instrument :
FID_C
ClientSampleId :
WB-303-BOTMS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10222
Data File : FC067492.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 05:28
Sample : P4460-03MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.243	3.358	PV	375417	3182670	26.98%	1.404%
2	3.371	3.358	3.384	VV	335	3628	0.03%	0.002%
3	3.398	3.384	3.437	VV	393	7340	0.06%	0.003%
4	3.474	3.437	3.503	VV	488	9158	0.08%	0.004%
5	3.514	3.503	3.521	VV	230	1633	0.01%	0.001%
6	3.540	3.521	3.569	VV	631	11210	0.10%	0.005%
7	3.598	3.569	3.628	VV	530	9119	0.08%	0.004%
8	3.646	3.628	3.685	VV	790	11943	0.10%	0.005%
9	3.714	3.685	3.750	VV	292	6211	0.05%	0.003%
10	3.765	3.750	3.799	VV	373	5710	0.05%	0.003%
11	3.811	3.799	3.827	VV	202	2069	0.02%	0.001%
12	3.858	3.827	3.900	PV	535	12541	0.11%	0.006%
13	3.939	3.900	3.953	PV	1687	21376	0.18%	0.009%
14	3.968	3.953	3.987	VV	2425	21828	0.19%	0.010%
15	4.001	3.987	4.018	VV	502	5898	0.05%	0.003%
16	4.035	4.018	4.085	VV	1892	20992	0.18%	0.009%
17	4.117	4.085	4.134	VV	1309	17985	0.15%	0.008%
18	4.144	4.134	4.194	VV	731	11910	0.10%	0.005%
19	4.215	4.194	4.234	VV	1377	13220	0.11%	0.006%
20	4.253	4.234	4.275	VV	397	5510	0.05%	0.002%
21	4.291	4.275	4.309	VV	430	4361	0.04%	0.002%
22	4.340	4.309	4.365	VV	438253	4012442	34.01%	1.771%
23	4.380	4.365	4.427	VV	11049	115468	0.98%	0.051%
24	4.447	4.427	4.474	VV	398	8215	0.07%	0.004%
25	4.505	4.474	4.524	VV	1428	23277	0.20%	0.010%
26	4.536	4.524	4.551	VV	877	11801	0.10%	0.005%
27	4.563	4.551	4.576	VV	1501	15285	0.13%	0.007%
28	4.592	4.576	4.608	VV	3406	32242	0.27%	0.014%
29	4.620	4.608	4.632	VV	1357	12162	0.10%	0.005%
30	4.646	4.632	4.659	VV	1032	13603	0.12%	0.006%
31	4.664	4.659	4.682	VV	831	8025	0.07%	0.004%
32	4.713	4.682	4.731	VV	2157	28697	0.24%	0.013%
33	4.754	4.731	4.775	VV	2037	28373	0.24%	0.013%
34	4.790	4.775	4.841	VV	1206	27164	0.23%	0.012%
35	4.862	4.841	4.878	VV	980	12433	0.11%	0.005%
36	4.892	4.878	4.918	VV	1043	14733	0.12%	0.007%

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37	4.947	4.918	4.958	PV	3434	34986	0.30%	0.015%
38	4.975	4.958	5.000	VV	6154	80841		
39	5.016	5.000	5.039	VV	4900	59634		
40	5.053	5.039	5.064	VV	3035	30047		
41	5.078	5.064	5.117	VV	4923	55610		
42	5.133	5.117	5.153	PV	474	5461		
43	5.174	5.153	5.201	VV	2051	29589	0.25%	0.013%
44	5.240	5.201	5.252	VV	3685	55755	0.47%	0.025%
45	5.263	5.252	5.280	VV	3702	39531	0.34%	0.017%
46	5.302	5.280	5.312	VV	1778	27466	0.23%	0.012%
47	5.322	5.312	5.346	VV	1704	21867	0.19%	0.010%
48	5.373	5.346	5.421	VV	38672	472004	4.00%	0.208%
49	5.431	5.421	5.457	VV	2802	42916	0.36%	0.019%
50	5.467	5.457	5.479	VV	1086	11666	0.10%	0.005%
51	5.494	5.479	5.503	VV	1336	15609	0.13%	0.007%
52	5.519	5.503	5.534	VV	1698	28110	0.24%	0.012%
53	5.557	5.534	5.576	VV	11755	158049	1.34%	0.070%
54	5.587	5.576	5.604	VV	5594	60096	0.51%	0.027%
55	5.622	5.604	5.634	VV	3697	51486	0.44%	0.023%
56	5.671	5.634	5.701	VV	14386	283782	2.41%	0.125%
57	5.742	5.701	5.755	VV	9526	168313	1.43%	0.074%
58	5.764	5.755	5.774	VV	6520	65922	0.56%	0.029%
59	5.786	5.774	5.805	VV	6754	94561	0.80%	0.042%
60	5.827	5.805	5.848	VV	8847	136314	1.16%	0.060%
61	5.877	5.848	5.897	VV	9137	181379	1.54%	0.080%
62	5.924	5.897	5.949	VV	19948	394295	3.34%	0.174%
63	5.970	5.949	5.993	VV	22280	334651	2.84%	0.148%
64	6.014	5.993	6.040	VV	31994	408135	3.46%	0.180%
65	6.075	6.040	6.094	VV	27835	431891	3.66%	0.191%
66	6.105	6.094	6.125	VV	10515	159543	1.35%	0.070%
67	6.160	6.125	6.171	VV	10642	227582	1.93%	0.100%
68	6.188	6.171	6.214	VV	18097	293732	2.49%	0.130%
69	6.236	6.214	6.262	VV	19517	377891	3.20%	0.167%
70	6.284	6.262	6.298	VV	15683	266959	2.26%	0.118%
71	6.309	6.298	6.316	VV	12408	122490	1.04%	0.054%
72	6.357	6.316	6.428	VV	675336	7467517	63.29%	3.295%
73	6.448	6.428	6.463	VV	18517	315554	2.67%	0.139%
74	6.504	6.463	6.529	VV	89010	1415625	12.00%	0.625%
75	6.542	6.529	6.559	VV	26373	394480	3.34%	0.174%
76	6.574	6.559	6.602	VV	30413	521763	4.42%	0.230%
77	6.630	6.602	6.652	VV	26915	614551	5.21%	0.271%
78	6.677	6.652	6.702	VV	50358	939905	7.97%	0.415%
79	6.711	6.702	6.724	VV	24468	279685	2.37%	0.123%
80	6.741	6.724	6.773	VV	27302	616954	5.23%	0.272%
81	6.812	6.773	6.830	VV	30801	758128	6.43%	0.335%
82	6.854	6.830	6.892	VV	73933	1817242	15.40%	0.802%
83	6.912	6.892	6.935	VV	84503	1200593	10.18%	0.530%
84	6.957	6.935	6.987	VV	111070	1657303	14.05%	0.731%
85	7.014	6.987	7.034	VV	98384	1347823	11.42%	0.595%
86	7.056	7.034	7.094	VV	115288	1834383	15.55%	0.809%
87	7.112	7.094	7.131	VV	37404	656023	5.56%	0.289%
88	7.155	7.131	7.173	VV	51812	869545	7.37%	0.384%
89	7.200	7.173	7.212	VV	34410	699457	5.93%	0.309%

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90	7.229	7.212	7.253	VV	50891	970935	8.23%	0.428%
91	7.281	7.253	7.306	VV	634819	7112863	60	
92	7.327	7.306	7.354	VV	33526	803028	6	
93	7.399	7.354	7.424	VV	47648	1556067	13	
94	7.449	7.424	7.476	VV	77824	1516519	12	
95	7.490	7.476	7.514	VV	32369	575357	4	
96	7.536	7.514	7.571	VV	37406	898276	7.61%	0.396%
97	7.614	7.571	7.630	VV	57365	1380145	11.70%	0.609%
98	7.642	7.630	7.679	VV	39030	818359	6.94%	0.361%
99	7.704	7.679	7.714	VV	49170	699168	5.93%	0.309%
100	7.732	7.714	7.745	VV	81353	1082672	9.18%	0.478%
101	7.756	7.745	7.775	VV	75469	955211	8.10%	0.421%
102	7.798	7.775	7.820	VV	82095	1289622	10.93%	0.569%
103	7.844	7.820	7.870	VV	113905	1748710	14.82%	0.772%
104	7.899	7.870	7.923	VV	83873	1369989	11.61%	0.605%
105	7.938	7.923	7.947	VV	27414	355426	3.01%	0.157%
106	7.969	7.947	7.993	VV	120230	1633640	13.85%	0.721%
107	8.012	7.993	8.038	VV	29408	682242	5.78%	0.301%
108	8.057	8.038	8.076	VV	38709	638942	5.42%	0.282%
109	8.152	8.076	8.179	VV	942756	11798262	100.00%	5.206%
110	8.196	8.179	8.219	VV	45176	773497	6.56%	0.341%
111	8.244	8.219	8.276	VV	40165	1072786	9.09%	0.473%
112	8.294	8.276	8.319	VV	40002	815074	6.91%	0.360%
113	8.340	8.319	8.373	VV	28631	774799	6.57%	0.342%
114	8.390	8.373	8.409	VV	24302	444211	3.77%	0.196%
115	8.446	8.409	8.483	VV	36759	1107387	9.39%	0.489%
116	8.503	8.483	8.531	VV	38681	803149	6.81%	0.354%
117	8.562	8.531	8.580	VV	47719	1073106	9.10%	0.474%
118	8.594	8.580	8.617	VV	49712	758495	6.43%	0.335%
119	8.636	8.617	8.655	VV	52426	774487	6.56%	0.342%
120	8.683	8.655	8.710	VV	129299	1909167	16.18%	0.842%
121	8.734	8.710	8.781	VV	53726	1075531	9.12%	0.475%
122	8.829	8.781	8.854	VV	22295	736579	6.24%	0.325%
123	8.860	8.854	8.880	VV	15006	207830	1.76%	0.092%
124	8.910	8.880	8.929	VV	24018	553576	4.69%	0.244%
125	8.969	8.929	9.024	VV	307474	4147887	35.16%	1.830%
126	9.052	9.024	9.074	VV	27404	563177	4.77%	0.249%
127	9.095	9.074	9.137	VV	17438	534539	4.53%	0.236%
128	9.159	9.137	9.177	VV	10728	238867	2.02%	0.105%
129	9.200	9.177	9.219	VV	14137	295172	2.50%	0.130%
130	9.227	9.219	9.235	VV	10967	101978	0.86%	0.045%
131	9.250	9.235	9.284	VV	12286	321018	2.72%	0.142%
132	9.293	9.284	9.311	VV	8474	130378	1.11%	0.058%
133	9.341	9.311	9.372	VV	41390	834691	7.07%	0.368%
134	9.385	9.372	9.402	VV	20346	287948	2.44%	0.127%
135	9.426	9.402	9.449	VV	25859	475610	4.03%	0.210%
136	9.471	9.449	9.492	VV	30373	464635	3.94%	0.205%
137	9.524	9.492	9.553	VV	25077	496921	4.21%	0.219%
138	9.580	9.553	9.631	VV	6374	253250	2.15%	0.112%
139	9.663	9.631	9.677	VV	7883	168476	1.43%	0.074%
140	9.701	9.677	9.716	VV	11510	215577	1.83%	0.095%
141	9.748	9.716	9.791	VV	594449	6766244	57.35%	2.986%

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142	9.818	9.791	9.839	VV	9622	233376	1.98%	0.103%
143	9.846	9.839	9.894	VV	7829	197668		
144	9.915	9.894	9.936	VV	5005	107946		
145	9.957	9.936	9.998	VV	4821	154538		
146	10.020	9.998	10.047	VV	4524	106795		
147	10.091	10.047	10.104	VV	9840	192704		
148	10.132	10.104	10.159	VV	20038	381674	3.24%	0.168%
149	10.180	10.159	10.200	VV	7640	137559	1.17%	0.061%
150	10.222	10.200	10.248	VV	8363	152365	1.29%	0.067%
151	10.276	10.248	10.303	VV	7934	145958	1.24%	0.064%
152	10.330	10.303	10.353	VV	2340	68039	0.58%	0.030%
153	10.380	10.353	10.391	VV	3093	63020	0.53%	0.028%
154	10.413	10.391	10.441	VV	3863	94219	0.80%	0.042%
155	10.482	10.441	10.517	VV	31000	458570	3.89%	0.202%
156	10.554	10.517	10.588	VV	11511	267887	2.27%	0.118%
157	10.599	10.588	10.630	VV	4377	91613	0.78%	0.040%
158	10.649	10.630	10.659	VV	2713	44366	0.38%	0.020%
159	10.682	10.659	10.699	VV	3516	73972	0.63%	0.033%
160	10.719	10.699	10.738	VV	3604	77924	0.66%	0.034%
161	10.755	10.738	10.779	VV	3558	77207	0.65%	0.034%
162	10.804	10.779	10.836	VV	5002	134767	1.14%	0.059%
163	10.856	10.836	10.888	VV	4960	132280	1.12%	0.058%
164	10.894	10.888	10.916	VV	4496	67448	0.57%	0.030%
165	10.936	10.916	10.949	VV	4415	74597	0.63%	0.033%
166	10.988	10.949	11.046	VV	8548	277521	2.35%	0.122%
167	11.076	11.046	11.091	VV	4124	104933	0.89%	0.046%
168	11.114	11.091	11.149	VV	6529	176153	1.49%	0.078%
169	11.187	11.149	11.244	VV	486463	5880119	49.84%	2.595%
170	11.275	11.244	11.312	VV	9204	249129	2.11%	0.110%
171	11.340	11.312	11.371	VV	4662	152035	1.29%	0.067%
172	11.419	11.371	11.436	VV	4655	170297	1.44%	0.075%
173	11.481	11.436	11.521	VV	6595	271101	2.30%	0.120%
174	11.576	11.521	11.605	VV	5725	257138	2.18%	0.113%
175	11.632	11.605	11.651	VV	5231	139676	1.18%	0.062%
176	11.676	11.651	11.694	VV	6245	142341	1.21%	0.063%
177	11.707	11.694	11.724	VV	5213	90323	0.77%	0.040%
178	11.741	11.724	11.764	VV	5278	122018	1.03%	0.054%
179	11.793	11.764	11.806	VV	5610	131794	1.12%	0.058%
180	11.850	11.806	11.891	VV	9294	324212	2.75%	0.143%
181	11.894	11.891	11.914	VV	5041	67003	0.57%	0.030%
182	11.937	11.914	11.948	VV	5157	96749	0.82%	0.043%
183	11.980	11.948	12.028	VV	5278	231255	1.96%	0.102%
184	12.073	12.028	12.097	VV	5551	204129	1.73%	0.090%
185	12.127	12.097	12.197	VV	5429	302008	2.56%	0.133%
186	12.265	12.197	12.290	VV	5703	283791	2.41%	0.125%
187	12.319	12.290	12.338	VV	6965	170521	1.45%	0.075%
188	12.347	12.338	12.389	VV	5921	163068	1.38%	0.072%
189	12.428	12.389	12.457	VV	6397	223593	1.90%	0.099%
190	12.494	12.457	12.548	VV	484020	5957829	50.50%	2.629%
191	12.593	12.548	12.661	VV	7390	411786	3.49%	0.182%
192	12.704	12.661	12.727	VV	6048	226173	1.92%	0.100%
193	12.750	12.727	12.794	VV	6646	258731	2.19%	0.114%
194	12.822	12.794	12.841	VV	7348	191980	1.63%	0.085%

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195	12.936	12.841	12.969	VV	287005	4099493	34.75%	1.809%
196	12.989	12.969	13.018	VV	9897	278150	2	
197	13.037	13.018	13.058	VV	10424	237740	2	
198	13.106	13.058	13.136	VV	450721	5921656	50	
199	13.155	13.136	13.214	VV	17464	624072	5	
200	13.264	13.214	13.294	VV	14038	574721	4	
201	13.317	13.294	13.341	VV	13354	362614	3.07%	0.160%
202	13.372	13.341	13.398	VV	13978	454861	3.86%	0.201%
203	13.416	13.398	13.445	VV	14165	386021	3.27%	0.170%
204	13.483	13.445	13.500	VV	14095	448906	3.80%	0.198%
205	13.533	13.500	13.564	VV	15796	564542	4.78%	0.249%
206	13.610	13.564	13.649	VV	16159	775393	6.57%	0.342%
207	13.692	13.649	13.724	VV	429624	6103422	51.73%	2.693%
208	13.735	13.724	13.799	VV	17003	692382	5.87%	0.306%
209	13.840	13.799	13.878	VV	16068	719119	6.10%	0.317%
210	13.903	13.878	13.974	VV	16950	925022	7.84%	0.408%
211	14.005	13.974	14.034	VV	15827	550910	4.67%	0.243%
212	14.078	14.034	14.104	VV	15582	643173	5.45%	0.284%
213	14.135	14.104	14.156	VV	15511	471930	4.00%	0.208%
214	14.191	14.156	14.233	VV	17748	717731	6.08%	0.317%
215	14.253	14.233	14.286	VV	17192	488982	4.14%	0.216%
216	14.311	14.286	14.328	VV	15828	377054	3.20%	0.166%
217	14.335	14.328	14.361	VV	15309	303146	2.57%	0.134%
218	14.367	14.361	14.428	VV	15101	572635	4.85%	0.253%
219	14.497	14.428	14.531	VV	16001	897856	7.61%	0.396%
220	14.538	14.531	14.582	VV	14381	412601	3.50%	0.182%
221	14.597	14.582	14.611	VV	13696	236559	2.01%	0.104%
222	14.639	14.611	14.653	VV	14044	344581	2.92%	0.152%
223	14.678	14.653	14.741	VV	14475	723368	6.13%	0.319%
224	14.793	14.741	14.834	VV	428638	6098987	51.69%	2.691%
225	14.844	14.834	14.918	VV	15104	674867	5.72%	0.298%
226	14.926	14.918	14.961	VV	13117	327309	2.77%	0.144%
227	14.985	14.961	15.013	VV	14204	416227	3.53%	0.184%
228	15.040	15.013	15.078	VV	13725	507950	4.31%	0.224%
229	15.098	15.078	15.148	VV	13452	540823	4.58%	0.239%
230	15.182	15.148	15.193	VV	13497	356345	3.02%	0.157%
231	15.218	15.193	15.266	VV	13671	575691	4.88%	0.254%
232	15.279	15.266	15.286	VV	13089	157452	1.33%	0.069%
233	15.308	15.286	15.332	VV	17571	403721	3.42%	0.178%
234	15.352	15.332	15.414	VV	14298	647517	5.49%	0.286%
235	15.423	15.414	15.463	VV	12658	351386	2.98%	0.155%
236	15.490	15.463	15.554	VV	12763	666298	5.65%	0.294%
237	15.563	15.554	15.588	VV	12386	235947	2.00%	0.104%
238	15.619	15.588	15.647	VV	12982	443050	3.76%	0.196%
239	15.669	15.647	15.675	VV	12663	204538	1.73%	0.090%
240	15.682	15.675	15.692	VV	12572	130918	1.11%	0.058%
241	15.706	15.692	15.751	VV	12526	415411	3.52%	0.183%
242	15.812	15.751	15.894	VV	400500	6250048	52.97%	2.758%
243	15.913	15.894	15.948	VV	10601	329975	2.80%	0.146%
244	15.990	15.948	16.081	VV	13293	882187	7.48%	0.389%
245	16.120	16.081	16.138	VV	11705	375193	3.18%	0.166%
246	16.164	16.138	16.228	VV	12007	575388	4.88%	0.254%

Instrument :
FID_C
ClientSampleId :
WB-303-BOTMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

rteres

247	16.290	16.228	16.311	VV	13660	530964	4.50%	0.234%
248	16.324	16.311	16.362	VV	10220	289724	2	
249	16.372	16.362	16.395	VV	8815	171876	1	
250	16.405	16.395	16.427	VV	9190	166701	1	
251	16.456	16.427	16.578	VV	9969	809609	6	
252	16.598	16.578	16.618	VV	9291	213027	1	
253	16.635	16.618	16.658	VV	9296	208352	1.77%	0.092%
254	16.671	16.658	16.694	VV	7918	170297	1.44%	0.075%
255	16.761	16.694	16.872	VV	378733	5976968	50.66%	2.637%
256	16.923	16.872	16.957	VV	7570	365693	3.10%	0.161%
257	16.982	16.957	17.031	VV	8004	302649	2.57%	0.134%
258	17.081	17.031	17.147	VV	7046	440737	3.74%	0.194%
259	17.158	17.147	17.180	VV	6230	117265	0.99%	0.052%
260	17.208	17.180	17.258	VV	8839	307876	2.61%	0.136%
261	17.267	17.258	17.287	VV	5190	83321	0.71%	0.037%
262	17.320	17.287	17.380	VV	6348	306687	2.60%	0.135%
263	17.393	17.380	17.418	VV	4975	106050	0.90%	0.047%
264	17.441	17.418	17.461	VV	4756	115407	0.98%	0.051%
265	17.480	17.461	17.504	VV	4810	121639	1.03%	0.054%
266	17.532	17.504	17.568	VV	8260	226884	1.92%	0.100%
267	17.577	17.568	17.598	VV	4814	81281	0.69%	0.036%
268	17.647	17.598	17.728	VV	373286	5547652	47.02%	2.448%
269	17.779	17.728	17.881	VV	5666	355117	3.01%	0.157%
270	17.927	17.881	17.966	VV	3977	164701	1.40%	0.073%
271	17.971	17.966	17.993	VV	3169	48573	0.41%	0.021%
272	18.008	17.993	18.018	VV	3294	44121	0.37%	0.019%
273	18.026	18.018	18.040	VV	2845	37094	0.31%	0.016%
274	18.065	18.040	18.121	VV	5905	167758	1.42%	0.074%
275	18.144	18.121	18.197	VV	4120	127240	1.08%	0.056%
276	18.206	18.197	18.261	VV	2285	72552	0.61%	0.032%
277	18.335	18.261	18.421	VV	2314	177863	1.51%	0.078%
278	18.478	18.421	18.539	VV	387826	5324275	45.13%	2.349%
279	18.567	18.539	18.591	VV	2154	51557	0.44%	0.023%
280	18.617	18.591	18.641	VV	2028	48918	0.41%	0.022%
281	18.664	18.641	18.681	VV	1597	33835	0.29%	0.015%
282	18.705	18.681	18.713	VV	1429	24843	0.21%	0.011%
283	18.738	18.713	18.750	VV	1601	32266	0.27%	0.014%
284	18.759	18.750	18.833	VV	1569	66213	0.56%	0.029%
285	18.871	18.833	18.943	VV	4363	143211	1.21%	0.063%
286	18.964	18.943	18.985	VV	1718	37304	0.32%	0.016%
287	18.995	18.985	19.004	VV	1364	14898	0.13%	0.007%
288	19.040	19.004	19.091	VV	2479	99236	0.84%	0.044%
289	19.102	19.091	19.121	VV	1627	27025	0.23%	0.012%
290	19.126	19.121	19.140	VV	1582	16575	0.14%	0.007%
291	19.166	19.140	19.180	VV	1755	37008	0.31%	0.016%
292	19.198	19.180	19.210	VV	1587	26945	0.23%	0.012%
293	19.260	19.210	19.327	VV	346443	5398120	45.75%	2.382%
294	19.369	19.327	19.394	VV	2147	77826	0.66%	0.034%
295	19.408	19.394	19.425	VV	1914	33112	0.28%	0.015%
296	19.556	19.425	19.605	VV	3615	256591	2.17%	0.113%
297	19.632	19.605	19.668	VV	3867	115303	0.98%	0.051%
298	19.675	19.668	19.714	VV	2953	75215	0.64%	0.033%
299	19.794	19.714	19.802	VV	3056	145312	1.23%	0.064%

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Instrument :
FID_C
ClientSampleId :
WB-303-BOTMS

Manual IntegrationsAPPROVED

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A B C D E F G H I J

rteres

300	19.897	19.802	19.938	VV	4077	275926	2.34%	0.122%
301	19.999	19.938	20.037	VV	359143	5478127	46	
302	20.046	20.037	20.113	VV	6764	244822	2	
303	20.171	20.113	20.195	VV	5386	246670	2	
304	20.207	20.195	20.217	VV	5176	66583	0	
305	20.264	20.217	20.308	VV	5428	286411	2	
306	20.348	20.308	20.401	VV	6784	308382	2.61%	0.136%
307	20.522	20.401	20.644	VV	8201	839338	7.11%	0.370%
308	20.722	20.644	20.957	VV	305333	6232503	52.83%	2.750%
309	20.967	20.957	20.984	VV	3962	62609	0.53%	0.028%
310	21.046	20.984	21.104	VV	6396	336805	2.85%	0.149%
311	21.131	21.104	21.191	VV	4718	201868	1.71%	0.089%
312	21.196	21.191	21.214	VV	3198	43939	0.37%	0.019%
313	21.223	21.214	21.238	VV	3199	44821	0.38%	0.020%
314	21.279	21.238	21.294	VV	3225	103687	0.88%	0.046%
315	21.301	21.294	21.327	VV	3136	59656	0.51%	0.026%
316	21.334	21.327	21.348	VV	3138	38920	0.33%	0.017%
317	21.392	21.388	21.405	VV	2921	29799	0.25%	0.013%
318	21.429	21.405	21.471	VV	2842	107628	0.91%	0.047%
319	21.487	21.471	21.521	VV	2691	77611	0.66%	0.034%
320	21.608	21.521	21.724	VV	228469	5748258	48.72%	2.536%
321	21.733	21.724	21.769	VV	2404	59067	0.50%	0.026%
322	21.778	21.769	21.801	VBA	2072	52173	0.44%	0.023%

Sum of corrected areas: 226623030

Aliphatic EPH 100224.M Wed Oct 23 07:56:05 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048555.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 05:28
Operator : YP/AJ
Sample : P4460-03MS
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-303-BOTMS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 07:10:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 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...	7.375	7933941	47.920 ug/ml
Spiked Amount	50.000		Recovery =	95.84%
6) S	2-Flurobiphenyl (SURR)	8.225	5063781	48.829 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	97.66%
11) S	ortho-Terphenyl (SURR)	11.260	6142126	33.382 ug/ml
Spiked Amount	50.000		Recovery =	66.76%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.198	6421054	36.638 ug/ml
2) T	Naphthalene (C11.7)	5.716	7710327	41.295 ug/ml
3) T	2-Methylnaphthalene (...	6.762	7476924	39.563 ug/ml
5) T	Acenaphthylene (C15.06)	8.028	7602154	39.627 ug/ml
7) T	Acenaphthene (C15.5)	8.324	8174836	43.217 ug/ml
8) T	Flouorene (C16.55)	9.102	8088227	44.767 ug/ml
9) T	Phenanthrene (C19.36)	10.489	8298893	46.826 ug/ml
10) T	Anthracene (C19.43)	10.565	8378684	47.087 ug/ml
12) T	Fluoranthene (C21.85)	12.294	8634562	47.738 ug/mlm
13) T	Pyrene (C20.8)	12.588	8939667	49.923 ug/ml
14) T	Benzo[a]anthracene (C...	14.457	7986328	49.972 ug/ml
15) T	Chrysene (C27.41)	14.501	8083838	43.339 ug/ml
16) T	benzo[b]fluoranthene ...	16.005	7807241	46.879 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.040	7804948	45.980 ug/ml
18) T	Benzo[a]pyrene (C31.34)	16.381	7535154	46.103 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	17.748	8092726	61.523 ug/ml
20) T	Dibenz[a,h]anthracene...	17.786	7635770	45.632 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.000	7369748	45.373 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

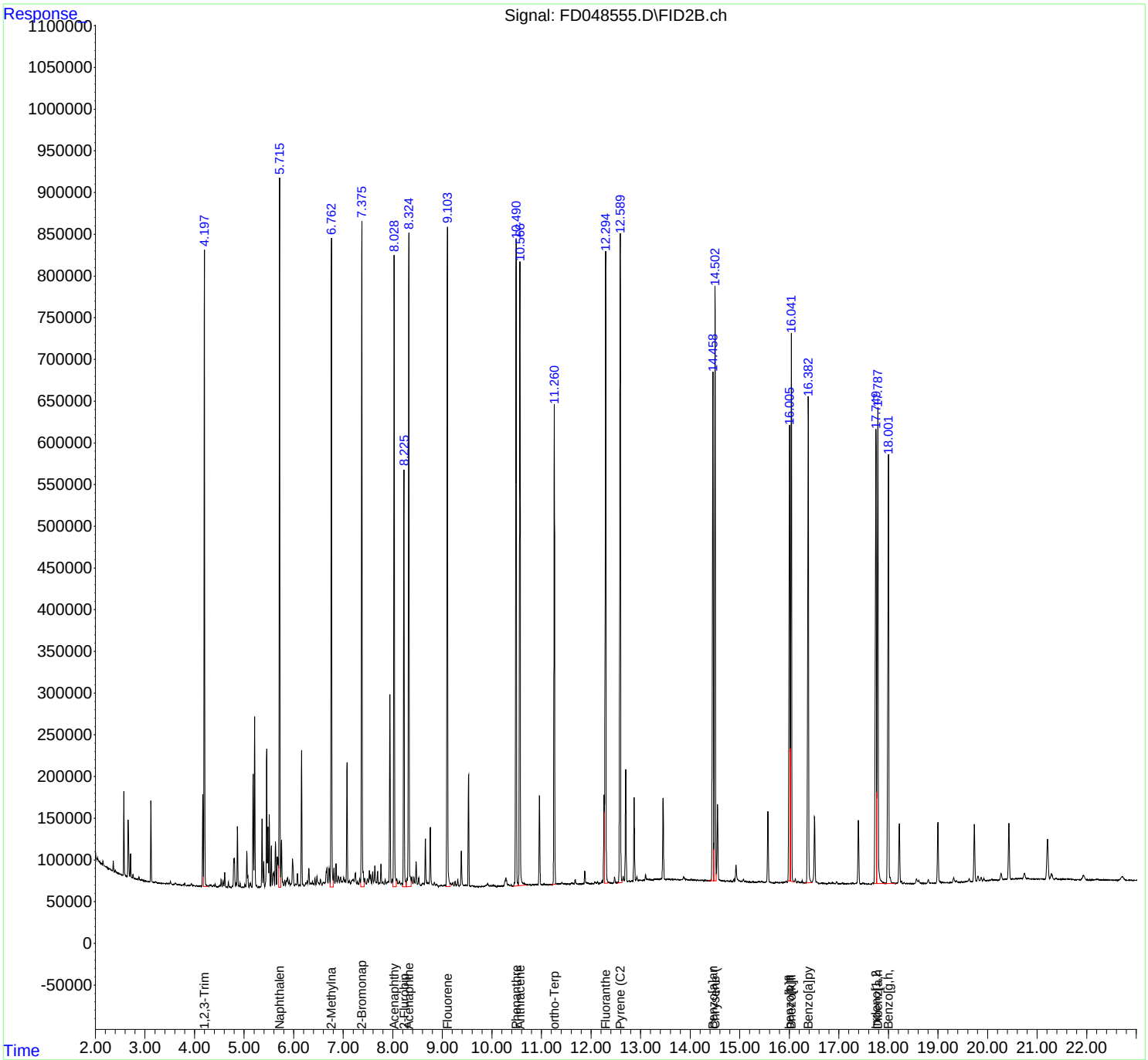
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048555.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 05:28
Operator : YP/AJ
Sample : P4460-03MS
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-303-BOTMS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 07:10:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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Instrument :
FID_D
ClientSampleId :
WB-303-BOTMS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10222
Data File : FD048555.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 05:28
Sample : P4460-03MS
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.166	4.152	4.180	PV	102409	824568	9.04%	0.367%
2	4.198	4.180	4.260	PV	751843	6125746	67.17%	2.728%
3	4.278	4.260	4.293	PV	401	3591	0.04%	0.002%
4	4.307	4.293	4.315	PV	1715	13804	0.15%	0.006%
5	4.331	4.315	4.360	VV	2221	27033	0.30%	0.012%
6	4.387	4.360	4.402	VV	2124	24957	0.27%	0.011%
7	4.417	4.402	4.454	VV	3400	33115	0.36%	0.015%
8	4.484	4.454	4.495	PV	733	8659	0.09%	0.004%
9	4.511	4.495	4.522	VV	2566	23806	0.26%	0.011%
10	4.537	4.522	4.556	VV	9131	87050	0.95%	0.039%
11	4.574	4.556	4.593	VV	7617	89066	0.98%	0.040%
12	4.609	4.593	4.655	VV	17904	179315	1.97%	0.080%
13	4.683	4.655	4.707	PV	6275	62699	0.69%	0.028%
14	4.710	4.707	4.732	VV	751	6561	0.07%	0.003%
15	4.766	4.732	4.773	PV	2111	19777	0.22%	0.009%
16	4.792	4.773	4.798	VV	34485	290990	3.19%	0.130%
17	4.805	4.798	4.825	VV	35697	317099	3.48%	0.141%
18	4.839	4.825	4.848	VV	5268	50035	0.55%	0.022%
19	4.866	4.848	4.892	VV	73150	677103	7.43%	0.302%
20	4.895	4.892	4.905	VV	2071	13668	0.15%	0.006%
21	4.919	4.905	4.947	VV	5174	49300	0.54%	0.022%
22	4.956	4.947	4.962	VV	412	1654	0.02%	0.001%
23	4.979	4.962	5.000	VV	890	9128	0.10%	0.004%
24	5.015	5.000	5.035	PV	3820	37239	0.41%	0.017%
25	5.056	5.035	5.069	VV	43515	407270	4.47%	0.181%
26	5.076	5.069	5.097	VV	13888	115087	1.26%	0.051%
27	5.115	5.097	5.124	VV	4566	40082	0.44%	0.018%
28	5.133	5.124	5.157	VV	4880	44585	0.49%	0.020%
29	5.181	5.157	5.197	VV	135376	1264520	13.87%	0.563%
30	5.213	5.197	5.244	VV	203972	1893558	20.76%	0.843%
31	5.252	5.244	5.277	VV	2458	24598	0.27%	0.011%
32	5.295	5.277	5.309	VV	1559	15349	0.17%	0.007%
33	5.318	5.309	5.332	VV	615	6861	0.08%	0.003%
34	5.363	5.332	5.381	VV	82560	777174	8.52%	0.346%
35	5.395	5.381	5.416	VV	31148	294385	3.23%	0.131%
36	5.455	5.416	5.469	VV	166282	1582383	17.35%	0.705%

Instrument :
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WB-303-BOTMS

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rteres

37	5.481	5.469	5.495	VV	72564	716283	7.85%	0.319%
38	5.508	5.495	5.530	VV	87335	806919	8	
39	5.549	5.530	5.568	VV	49770	464052	5	
40	5.585	5.568	5.590	VV	16592	144363	1	
41	5.600	5.590	5.614	VV	18563	187797	2	
42	5.634	5.614	5.654	VV	54656	653625	7	
43	5.671	5.654	5.679	VV	36802	351865	3.86%	0.157%
44	5.688	5.679	5.696	VV	34806	307627	3.37%	0.137%
45	5.716	5.696	5.738	VV	848000	7679406	84.21%	3.420%
46	5.755	5.738	5.797	VV	56927	686360	7.53%	0.306%
47	5.821	5.797	5.836	VV	9024	115337	1.26%	0.051%
48	5.854	5.836	5.861	VV	8225	92286	1.01%	0.041%
49	5.875	5.861	5.899	VV	11681	186685	2.05%	0.083%
50	5.913	5.899	5.927	VV	7816	89684	0.98%	0.040%
51	5.937	5.927	5.946	VV	4273	41695	0.46%	0.019%
52	5.978	5.946	6.020	VV	34167	578339	6.34%	0.258%
53	6.036	6.020	6.057	VV	4333	74019	0.81%	0.033%
54	6.076	6.057	6.102	VV	16636	201643	2.21%	0.090%
55	6.125	6.102	6.137	VV	2746	49757	0.55%	0.022%
56	6.160	6.137	6.208	VV	164015	1658543	18.19%	0.739%
57	6.245	6.208	6.257	VV	5023	98551	1.08%	0.044%
58	6.273	6.257	6.286	VV	7551	102429	1.12%	0.046%
59	6.307	6.286	6.328	VV	22727	304775	3.34%	0.136%
60	6.341	6.328	6.363	VV	5354	94817	1.04%	0.042%
61	6.378	6.363	6.392	VV	7309	92149	1.01%	0.041%
62	6.401	6.392	6.413	VV	3961	45383	0.50%	0.020%
63	6.429	6.413	6.451	VV	10930	153309	1.68%	0.068%
64	6.470	6.451	6.501	VV	13134	224648	2.46%	0.100%
65	6.507	6.501	6.522	VV	5450	54567	0.60%	0.024%
66	6.542	6.522	6.575	VV	9334	177663	1.95%	0.079%
67	6.596	6.575	6.608	VV	6347	102287	1.12%	0.046%
68	6.617	6.608	6.628	VV	5587	63994	0.70%	0.028%
69	6.657	6.628	6.661	VV	18123	202843	2.22%	0.090%
70	6.672	6.661	6.690	VV	23333	271200	2.97%	0.121%
71	6.715	6.690	6.735	VV	22903	358542	3.93%	0.160%
72	6.762	6.735	6.798	VV	777509	7492437	82.16%	3.337%
73	6.814	6.798	6.832	VV	23130	281520	3.09%	0.125%
74	6.856	6.832	6.873	VV	28452	355252	3.90%	0.158%
75	6.901	6.873	6.925	VV	13018	288702	3.17%	0.129%
76	6.947	6.925	6.966	VV	12197	220844	2.42%	0.098%
77	6.977	6.966	6.985	VV	6911	75740	0.83%	0.034%
78	7.011	6.985	7.026	VV	11729	219091	2.40%	0.098%
79	7.037	7.026	7.052	VV	8129	114257	1.25%	0.051%
80	7.077	7.052	7.100	VV	149774	1578326	17.31%	0.703%
81	7.126	7.100	7.145	VV	7032	163614	1.79%	0.073%
82	7.181	7.145	7.186	VV	8527	163736	1.80%	0.073%
83	7.199	7.186	7.220	VV	9822	176081	1.93%	0.078%
84	7.246	7.220	7.272	VV	17082	323741	3.55%	0.144%
85	7.288	7.272	7.314	VV	6912	121726	1.33%	0.054%
86	7.334	7.314	7.349	VV	9980	146512	1.61%	0.065%
87	7.375	7.349	7.421	VV	797215	7957209	87.26%	3.544%
88	7.434	7.421	7.468	VV	10380	191357	2.10%	0.085%
89	7.488	7.468	7.508	VV	10575	177880	1.95%	0.079%

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Instrument :
FID_D
ClientSampleId :
WB-303-BOTMS

Manual IntegrationsAPPROVED

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A B C D E F G H I J

rteres

90	7.529	7.508	7.543	VV	20066	267149	2.93%	0.119%
91	7.553	7.543	7.572	VV	15196	185733	2	
92	7.594	7.572	7.612	VV	18340	252196	2	
93	7.639	7.612	7.661	VV	25722	368416	4	
94	7.667	7.661	7.675	VV	5941	46739	0	
95	7.694	7.675	7.714	VV	18981	238485	2	
96	7.729	7.714	7.742	VV	5480	79172	0.87%	0.035%
97	7.763	7.742	7.784	VV	27653	331870	3.64%	0.148%
98	7.799	7.784	7.826	VV	6288	123886	1.36%	0.055%
99	7.847	7.826	7.865	VV	9513	140952	1.55%	0.063%
100	7.905	7.865	7.917	VV	6651	177880	1.95%	0.079%
101	7.943	7.917	7.975	VV	231426	2441094	26.77%	1.087%
102	7.990	7.975	8.002	VV	9849	124870	1.37%	0.056%
103	8.028	8.002	8.070	VV	757461	7621293	83.57%	3.394%
104	8.082	8.070	8.104	VV	10020	157044	1.72%	0.070%
105	8.136	8.104	8.158	VV	6972	164101	1.80%	0.073%
106	8.177	8.158	8.198	VV	4975	97996	1.07%	0.044%
107	8.226	8.198	8.273	VV	499900	5092189	55.84%	2.268%
108	8.288	8.273	8.297	VV	10737	123106	1.35%	0.055%
109	8.325	8.297	8.371	VV	784435	8087768	88.69%	3.602%
110	8.384	8.371	8.407	VV	11973	174758	1.92%	0.078%
111	8.427	8.407	8.452	VV	11874	190202	2.09%	0.085%
112	8.472	8.452	8.500	VV	30263	393616	4.32%	0.175%
113	8.524	8.500	8.575	VV	11248	215658	2.36%	0.096%
114	8.596	8.575	8.602	VV	3987	51867	0.57%	0.023%
115	8.614	8.602	8.634	VV	4919	79862	0.88%	0.036%
116	8.659	8.634	8.683	VV	57878	633924	6.95%	0.282%
117	8.694	8.683	8.707	VV	5525	71763	0.79%	0.032%
118	8.723	8.707	8.734	VV	5342	77171	0.85%	0.034%
119	8.757	8.734	8.815	VV	71682	877530	9.62%	0.391%
120	8.840	8.815	8.861	VV	5602	98076	1.08%	0.044%
121	8.875	8.861	8.880	VV	3001	28756	0.32%	0.013%
122	8.891	8.880	8.925	VV	3214	53719	0.59%	0.024%
123	8.943	8.925	8.959	VV	1887	28847	0.32%	0.013%
124	8.977	8.959	8.983	VV	2249	26544	0.29%	0.012%
125	8.987	8.983	9.007	VV	2233	25117	0.28%	0.011%
126	9.036	9.007	9.047	VV	2309	43357	0.48%	0.019%
127	9.057	9.047	9.073	VV	2242	29622	0.32%	0.013%
128	9.103	9.073	9.159	VV	794188	8127287	89.12%	3.619%
129	9.172	9.159	9.190	VV	4795	72257	0.79%	0.032%
130	9.212	9.190	9.236	VV	5333	95616	1.05%	0.043%
131	9.257	9.236	9.275	VV	6748	90453	0.99%	0.040%
132	9.312	9.275	9.337	VV	9181	146797	1.61%	0.065%
133	9.357	9.337	9.363	VV	2263	28417	0.31%	0.013%
134	9.383	9.363	9.438	VV	43283	533647	5.85%	0.238%
135	9.443	9.438	9.457	VV	2041	20795	0.23%	0.009%
136	9.479	9.457	9.503	VV	2665	56103	0.62%	0.025%
137	9.529	9.503	9.560	VV	134821	1428234	15.66%	0.636%
138	9.574	9.560	9.583	VV	1174	14067	0.15%	0.006%
139	9.600	9.583	9.647	VV	1860	48912	0.54%	0.022%
140	9.651	9.647	9.665	VV	815	6697	0.07%	0.003%
141	9.670	9.665	9.675	VV	539	2554	0.03%	0.001%

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142	9.694	9.675	9.714	VV	810	13311	0.15%	0.006%
143	9.740	9.714	9.768	PV	887	16596		
144	9.772	9.768	9.781	VV	500	2870		
145	9.801	9.781	9.822	VV	935	16463		
146	9.829	9.822	9.839	VV	703	6766		
147	9.849	9.839	9.855	VV	775	6716		
148	9.874	9.855	9.885	VV	1982	25599	0.28%	0.011%
149	9.917	9.885	9.947	VV	4174	91097	1.00%	0.041%
150	9.964	9.947	9.982	VV	1853	28761	0.32%	0.013%
151	9.987	9.982	9.990	VV	1137	5174	0.06%	0.002%
152	10.006	9.990	10.017	VV	1659	20947	0.23%	0.009%
153	10.031	10.017	10.046	VV	2058	26214	0.29%	0.012%
154	10.056	10.046	10.077	VV	1764	20554	0.23%	0.009%
155	10.111	10.077	10.120	VV	869	13741	0.15%	0.006%
156	10.144	10.120	10.177	VV	1358	32473	0.36%	0.014%
157	10.213	10.177	10.220	VV	1154	24605	0.27%	0.011%
158	10.236	10.220	10.243	VV	1466	18605	0.20%	0.008%
159	10.264	10.243	10.270	VV	7346	73225	0.80%	0.033%
160	10.282	10.270	10.320	VV	10831	208343	2.28%	0.093%
161	10.336	10.320	10.368	VV	3185	64989	0.71%	0.029%
162	10.390	10.368	10.419	VV	2506	44751	0.49%	0.020%
163	10.455	10.419	10.460	VV	5084	52817	0.58%	0.024%
164	10.490	10.460	10.533	VV	776625	8306630	91.09%	3.699%
165	10.566	10.533	10.622	VV	751373	8383351	91.93%	3.733%
166	10.644	10.622	10.673	VV	4216	114959	1.26%	0.051%
167	10.677	10.673	10.697	VV	3056	36949	0.41%	0.016%
168	10.716	10.697	10.726	VV	2461	39301	0.43%	0.018%
169	10.731	10.726	10.750	VV	2251	29119	0.32%	0.013%
170	10.767	10.750	10.795	VV	2722	59015	0.65%	0.026%
171	10.828	10.795	10.862	VV	2513	88157	0.97%	0.039%
172	10.871	10.862	10.880	VV	2332	24680	0.27%	0.011%
173	10.894	10.880	10.909	VV	2912	45295	0.50%	0.020%
174	10.914	10.909	10.933	VV	2356	33420	0.37%	0.015%
175	10.961	10.933	11.013	VV	109059	1290894	14.16%	0.575%
176	11.050	11.013	11.081	VV	3220	102307	1.12%	0.046%
177	11.108	11.081	11.135	VV	2627	74036	0.81%	0.033%
178	11.156	11.135	11.181	VV	2540	62719	0.69%	0.028%
179	11.189	11.181	11.194	VV	2331	16874	0.19%	0.008%
180	11.200	11.194	11.211	VV	2200	21497	0.24%	0.010%
181	11.260	11.211	11.303	VV	577711	6288375	68.96%	2.800%
182	11.318	11.303	11.335	VV	3291	59104	0.65%	0.026%
183	11.350	11.335	11.377	VV	3426	78073	0.86%	0.035%
184	11.382	11.377	11.385	VV	3079	13564	0.15%	0.006%
185	11.413	11.385	11.436	VV	4968	116808	1.28%	0.052%
186	11.440	11.436	11.457	VV	3393	40130	0.44%	0.018%
187	11.476	11.457	11.495	VV	3278	68157	0.75%	0.030%
188	11.505	11.495	11.515	VV	2831	32143	0.35%	0.014%
189	11.519	11.515	11.522	VV	2739	10728	0.12%	0.005%
190	11.543	11.522	11.572	VV	2985	83705	0.92%	0.037%
191	11.621	11.572	11.654	VV	4354	169498	1.86%	0.075%
192	11.679	11.654	11.701	VV	8131	140075	1.54%	0.062%
193	11.708	11.701	11.730	VV	3509	52212	0.57%	0.023%
194	11.749	11.730	11.767	VV	2859	58719	0.64%	0.026%

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195	11.787	11.767	11.796	VV	2848	47567	0.52%	0.021%
196	11.841	11.796	11.851	VV	3258	95774	1	
197	11.875	11.851	11.903	VV	18227	265672	2	
198	11.909	11.903	11.942	VV	4633	92719	1	
199	11.952	11.942	11.972	VV	3473	58629	0	
200	12.000	11.972	12.012	VV	3100	70430	0	
201	12.029	12.012	12.047	VV	3319	67125	0.74%	0.030%
202	12.051	12.047	12.058	VV	2996	19732	0.22%	0.009%
203	12.078	12.058	12.107	VV	5348	122943	1.35%	0.055%
204	12.130	12.107	12.153	VV	5484	115036	1.26%	0.051%
205	12.172	12.153	12.187	VV	3646	67180	0.74%	0.030%
206	12.224	12.187	12.237	VV	6924	136929	1.50%	0.061%
207	12.263	12.237	12.270	VV	109488	1114168	12.22%	0.496%
208	12.294	12.270	12.368	VV	762686	8805317	96.56%	3.921%
209	12.375	12.368	12.415	VV	4255	106333	1.17%	0.047%
210	12.426	12.415	12.432	VV	3645	37355	0.41%	0.017%
211	12.474	12.432	12.519	VV	10791	268285	2.94%	0.119%
212	12.540	12.519	12.549	VV	4485	77343	0.85%	0.034%
213	12.589	12.549	12.627	VV	786036	9119141	100.00%	4.061%
214	12.647	12.627	12.672	VV	11534	231532	2.54%	0.103%
215	12.700	12.672	12.731	VV	139742	1734118	19.02%	0.772%
216	12.762	12.731	12.790	VV	6159	202213	2.22%	0.090%
217	12.822	12.790	12.841	VV	5835	174616	1.91%	0.078%
218	12.869	12.841	12.900	VV	105784	1340634	14.70%	0.597%
219	12.923	12.900	12.962	VV	10685	291321	3.19%	0.130%
220	12.979	12.962	12.985	VV	6840	91739	1.01%	0.041%
221	12.994	12.985	13.000	VV	6918	61310	0.67%	0.027%
222	13.005	13.000	13.028	VV	7072	114864	1.26%	0.051%
223	13.038	13.028	13.045	VV	6750	65024	0.71%	0.029%
224	13.067	13.045	13.072	VV	7157	110735	1.21%	0.049%
225	13.099	13.072	13.125	VV	13311	300087	3.29%	0.134%
226	13.129	13.125	13.155	VV	8025	137553	1.51%	0.061%
227	13.162	13.155	13.170	VV	7609	67806	0.74%	0.030%
228	13.176	13.170	13.186	VV	7617	72680	0.80%	0.032%
229	13.193	13.186	13.212	VV	7368	112624	1.24%	0.050%
230	13.222	13.212	13.240	VV	7282	120224	1.32%	0.054%
231	13.252	13.240	13.257	VV	7368	75145	0.82%	0.033%
232	13.260	13.257	13.263	VV	7252	25182	0.28%	0.011%
233	13.281	13.263	13.298	VV	7942	160638	1.76%	0.072%
234	13.303	13.298	13.317	VV	7810	85115	0.93%	0.038%
235	13.332	13.317	13.362	VV	8445	216068	2.37%	0.096%
236	13.366	13.362	13.373	VV	7763	52385	0.57%	0.023%
237	13.375	13.373	13.380	VV	7690	30477	0.33%	0.014%
238	13.381	13.380	13.385	VV	7676	22380	0.25%	0.010%
239	13.404	13.385	13.423	VV	8541	184788	2.03%	0.082%
240	13.453	13.423	13.490	VV	105048	1442983	15.82%	0.643%
241	13.496	13.490	13.522	VV	7685	145053	1.59%	0.065%
242	13.544	13.522	13.563	VV	8431	192063	2.11%	0.086%
243	13.583	13.563	13.608	VV	7850	205030	2.25%	0.091%
244	13.634	13.608	13.660	VV	8043	233236	2.56%	0.104%
245	13.667	13.660	13.672	VV	7349	50639	0.56%	0.023%
246	13.688	13.672	13.715	VV	7564	193624	2.12%	0.086%

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247	13.719	13.715	13.733	VV	7320	76718	0.84%	0.034%
248	13.740	13.733	13.752	VV	7431	83690		
249	13.756	13.752	13.764	VV	7406	53480		
250	13.769	13.764	13.779	VV	7300	66144		
251	13.785	13.779	13.810	VV	7174	128341		
252	13.837	13.810	13.845	VV	7515	151471		
253	13.865	13.845	13.909	VV	10808	330392	3.62%	0.147%
254	13.925	13.909	13.950	VV	7797	182017	2.00%	0.081%
255	13.953	13.950	13.975	VV	6794	100674	1.10%	0.045%
256	13.984	13.975	13.996	VV	6661	81953	0.90%	0.036%
257	14.013	13.996	14.028	VV	7331	134149	1.47%	0.060%
258	14.044	14.028	14.052	VV	7032	95485	1.05%	0.043%
259	14.058	14.052	14.061	VV	6813	37707	0.41%	0.017%
260	14.071	14.061	14.091	VV	7104	120314	1.32%	0.054%
261	14.100	14.091	14.120	VV	6646	112769	1.24%	0.050%
262	14.139	14.120	14.145	VV	6421	95746	1.05%	0.043%
263	14.155	14.145	14.171	VV	6512	97884	1.07%	0.044%
264	14.179	14.171	14.188	VV	6347	62314	0.68%	0.028%
265	14.194	14.188	14.198	VV	6228	38698	0.42%	0.017%
266	14.204	14.198	14.208	VV	6423	37673	0.41%	0.017%
267	14.217	14.208	14.222	VV	6461	51023	0.56%	0.023%
268	14.231	14.222	14.258	VV	6522	133742	1.47%	0.060%
269	14.264	14.258	14.293	VV	6064	123843	1.36%	0.055%
270	14.301	14.293	14.323	VV	6274	111201	1.22%	0.050%
271	14.331	14.323	14.337	VV	5947	47360	0.52%	0.021%
272	14.343	14.337	14.355	VV	5972	64020	0.70%	0.029%
273	14.361	14.355	14.383	VV	5841	96470	1.06%	0.043%
274	14.401	14.383	14.406	VV	5936	78565	0.86%	0.035%
275	14.413	14.406	14.418	VV	5953	41809	0.46%	0.019%
276	14.458	14.418	14.476	VV	615757	8175171	89.65%	3.641%
277	14.502	14.476	14.526	VV	717591	8257203	90.55%	3.677%
278	14.550	14.526	14.628	VV	97218	1533843	16.82%	0.683%
279	14.645	14.628	14.676	VV	5780	159056	1.74%	0.071%
280	14.684	14.676	14.693	VV	5406	53261	0.58%	0.024%
281	14.702	14.693	14.710	VV	5094	51021	0.56%	0.023%
282	14.732	14.710	14.760	VV	5429	153130	1.68%	0.068%
283	14.765	14.760	14.785	VV	4986	73300	0.80%	0.033%
284	14.790	14.785	14.794	VV	4960	25249	0.28%	0.011%
285	14.798	14.794	14.834	VV	4962	116108	1.27%	0.052%
286	14.840	14.834	14.863	VV	5027	82212	0.90%	0.037%
287	14.882	14.863	14.899	VV	7078	127738	1.40%	0.057%
288	14.923	14.899	14.993	VV	24126	578524	6.34%	0.258%
289	14.998	14.993	15.025	VV	5170	94623	1.04%	0.042%
290	15.032	15.025	15.048	VV	4759	63704	0.70%	0.028%
291	15.072	15.048	15.104	VV	6466	178172	1.95%	0.079%
292	15.116	15.104	15.149	VV	4546	111129	1.22%	0.049%
293	15.158	15.149	15.170	VV	4043	50451	0.55%	0.022%
294	15.182	15.170	15.205	VV	4164	82509	0.90%	0.037%
295	15.208	15.205	15.228	VV	3774	50280	0.55%	0.022%
296	15.263	15.228	15.280	VV	4275	120470	1.32%	0.054%
297	15.285	15.280	15.289	VV	3849	19962	0.22%	0.009%
298	15.291	15.289	15.319	VV	3789	65844	0.72%	0.029%
299	15.330	15.319	15.347	VV	3757	58463	0.64%	0.026%

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300	15.363	15.347	15.369	VV	3953	48441	0.53%	0.022%
301	15.392	15.369	15.410	VV	4082	95073	1	
302	15.430	15.410	15.435	VV	4083	56892	0	
303	15.450	15.435	15.482	VV	4186	108288	1	
304	15.490	15.482	15.510	VV	3343	54283	0	
305	15.567	15.510	15.603	VV	88248	1240609	13	
306	15.608	15.603	15.648	VV	3789	86986	0.95%	0.039%
307	15.659	15.648	15.676	VV	2714	43474	0.48%	0.019%
308	15.690	15.676	15.702	VV	2634	38906	0.43%	0.017%
309	15.722	15.702	15.753	VV	3366	93717	1.03%	0.042%
310	15.769	15.753	15.775	VV	2898	35932	0.39%	0.016%
311	15.790	15.775	15.802	VV	2859	42434	0.47%	0.019%
312	15.818	15.802	15.827	VV	2780	38794	0.43%	0.017%
313	15.855	15.827	15.863	VV	2897	58996	0.65%	0.026%
314	15.876	15.863	15.891	VV	2936	45932	0.50%	0.020%
315	15.932	15.891	15.965	VV	4405	149804	1.64%	0.067%
316	16.005	15.965	16.020	VV	550171	7914472	86.79%	3.525%
317	16.041	16.020	16.100	VV	661204	8046326	88.24%	3.583%
318	16.120	16.100	16.152	VV	7118	142594	1.56%	0.064%
319	16.176	16.152	16.198	VV	4178	94702	1.04%	0.042%
320	16.207	16.198	16.235	VV	3061	61540	0.67%	0.027%
321	16.256	16.235	16.312	VV	4791	141002	1.55%	0.063%
322	16.327	16.312	16.335	VV	2544	32511	0.36%	0.014%
323	16.382	16.335	16.456	VV	585088	7711740	84.57%	3.434%
324	16.508	16.456	16.540	VV	81401	1197317	13.13%	0.533%
325	16.551	16.540	16.572	VV	3768	55874	0.61%	0.025%
326	16.579	16.572	16.632	VV	2046	59348	0.65%	0.026%
327	16.651	16.632	16.659	VV	1792	25999	0.29%	0.012%
328	16.669	16.659	16.695	VV	1751	35853	0.39%	0.016%
329	16.701	16.695	16.764	VV	1978	60241	0.66%	0.027%
330	16.797	16.764	16.848	VV	2040	79876	0.88%	0.036%
331	16.873	16.848	16.896	VV	2123	48991	0.54%	0.022%
332	16.902	16.896	16.910	VV	1433	10880	0.12%	0.005%
333	16.916	16.910	16.928	VV	1284	13119	0.14%	0.006%
334	16.955	16.928	16.982	VV	3348	65191	0.71%	0.029%
335	16.988	16.982	17.001	VV	1218	12365	0.14%	0.006%
336	17.029	17.001	17.050	VV	1199	30956	0.34%	0.014%
337	17.075	17.050	17.127	VV	1892	57832	0.63%	0.026%
338	17.131	17.127	17.149	VV	964	10401	0.11%	0.005%
339	17.182	17.149	17.188	VV	1109	21304	0.23%	0.009%
340	17.193	17.188	17.207	VV	1122	10633	0.12%	0.005%
341	17.209	17.207	17.214	VV	859	3540	0.04%	0.002%
342	17.218	17.214	17.227	VV	856	5633	0.06%	0.003%
343	17.283	17.227	17.305	VV	1527	51649	0.57%	0.023%
344	17.312	17.305	17.323	VV	1132	10323	0.11%	0.005%
345	17.393	17.323	17.428	VV	76977	1071898	11.75%	0.477%
346	17.435	17.428	17.446	VV	694	5687	0.06%	0.003%
347	17.482	17.446	17.522	VV	1739	45451	0.50%	0.020%
348	17.525	17.522	17.532	VV	890	4513	0.05%	0.002%
349	17.535	17.532	17.555	VV	712	7765	0.09%	0.003%
350	17.561	17.555	17.576	VV	512	3992	0.04%	0.002%
351	17.596	17.576	17.628	VV	650	9285	0.10%	0.004%

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Instrument :
FID_D
ClientSampleId :
WB-303-BOTMS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

A B C D E F G H I J

rteres

352	17.650	17.628	17.657	PV	340	2339	0.03%	0.001%
353	17.686	17.657	17.703	VV	2053	30700	0	
354	17.749	17.703	17.762	VV	541836	8065689	88	
355	17.787	17.762	17.954	VV	571005	7745899	84	
356	18.001	17.954	18.087	VV	516263	7376166	80	
357	18.093	18.087	18.136	VV	815	13301	0	

Sum of corrected areas: 224554658

Aromatic EPH 093024.M Wed Oct 23 08:00:08 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067493.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 06:04
Operator : YP/AJ
Sample : P4460-03MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-303-BOTMSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 07:10:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 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...	12.937	3543503	31.305 ug/mlm
Spiked Amount	50.000		Recovery =	62.61%
	Target Compounds			
1) T	n-Nonane (C9)	3.274	3154930	24.889 ug/ml
2) T	n-Decane (C10)	4.340	3977939	30.947 ug/ml
4) T	n-Dodecane (C12)	6.357	7279911	56.102 ug/ml
6) T	n-Tetradecane (C14)	8.153	10288528	79.882 ug/mlm
7) T	n-Hexadecane (C16)	9.749	6502212	48.845 ug/ml
8) T	n-Octadecane (C18)	11.187	5571827	41.090 ug/ml
10) T	n-Eicosane (C20)	12.495	5615180	43.005 ug/ml
11) T	n-Heneicosane (C21)	13.107	5383307	41.973 ug/mlm
13) T	n-Docosane (C22)	13.691	5482947	42.940 ug/ml
14) T	n-Tetracosane (C24)	14.793	5315369	41.561 ug/ml
15) T	n-Hexacosane (C26)	15.812	5316897	42.169 ug/ml
16) T	n-Octacosane (C28)	16.761	5232176	41.648 ug/ml
17) T	n-Tricontane (C30)	17.647	5250715	40.759 ug/ml
18) T	n-Dotriacontane (C32)	18.478	5215577	41.749 ug/ml
19) T	n-Tetratriacontane (C34)	19.261	5278547	48.304 ug/ml
20) T	n-Hexatriacontane (C36)	19.998	5246311	55.506 ug/ml
21) T	n-Octatriacontane (C38)	20.723	5369622	61.227 ug/ml
22) T	n-Tetracontane (C40)	21.610	5446080	63.291 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

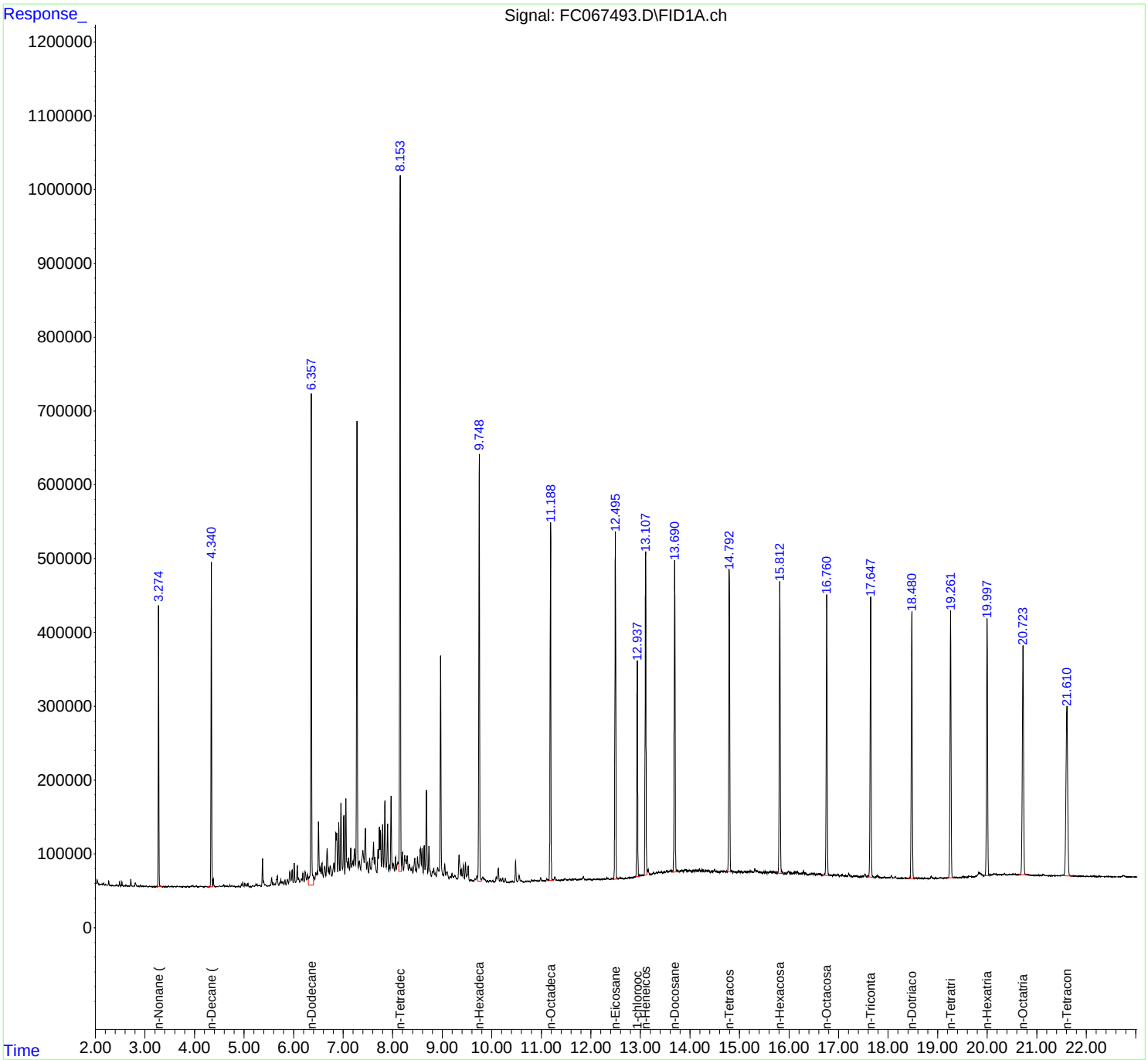
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC102224AL\
Data File : FC067493.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 06:04
Operator : YP/AJ
Sample : P4460-03MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
WB-303-BOTMSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 07:10:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.M
Quant Title : GC Extractables
QLast Update : Tue Oct 01 09:13:32 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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Instrument :
FID_C
ClientSampleId :
WB-303-BOTMSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC10222
Data File : FC067493.D
Signal(s) : FID1A.ch
Acq On : 23 Oct 2024 06:04
Sample : P4460-03MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 100224.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	3.205	3.355	BV	378429	3159484	27.03%	1.445%
2	3.372	3.355	3.383	VV	293	2699	0.02%	0.001%
3	3.396	3.383	3.409	VV	333	3385	0.03%	0.002%
4	3.421	3.409	3.435	VV	240	2564	0.02%	0.001%
5	3.475	3.435	3.499	VV	458	8218	0.07%	0.004%
6	3.552	3.499	3.569	VV	574	12192	0.10%	0.006%
7	3.598	3.569	3.627	PV	495	9316	0.08%	0.004%
8	3.646	3.627	3.677	VV	753	9022	0.08%	0.004%
9	3.699	3.677	3.711	VV	262	3591	0.03%	0.002%
10	3.716	3.711	3.751	VV	293	3368	0.03%	0.002%
11	3.766	3.751	3.800	VV	342	5013	0.04%	0.002%
12	3.811	3.800	3.831	VV	228	2241	0.02%	0.001%
13	3.858	3.831	3.904	VV	592	13031	0.11%	0.006%
14	3.940	3.904	3.953	PV	1603	21244	0.18%	0.010%
15	3.969	3.953	3.987	VV	2364	22595	0.19%	0.010%
16	4.002	3.987	4.014	VV	540	5543	0.05%	0.003%
17	4.035	4.014	4.061	VV	1881	20054	0.17%	0.009%
18	4.117	4.061	4.132	VV	1310	20356	0.17%	0.009%
19	4.145	4.132	4.175	VV	780	11144	0.10%	0.005%
20	4.216	4.198	4.232	VV	1387	13264	0.11%	0.006%
21	4.253	4.232	4.272	VV	445	6389	0.05%	0.003%
22	4.292	4.272	4.310	VV	470	6117	0.05%	0.003%
23	4.340	4.310	4.365	VV	438271	3989568	34.13%	1.824%
24	4.380	4.365	4.431	VV	11057	117114	1.00%	0.054%
25	4.444	4.431	4.471	VV	522	9051	0.08%	0.004%
26	4.506	4.471	4.525	VV	1546	26377	0.23%	0.012%
27	4.537	4.525	4.549	VV	920	11479	0.10%	0.005%
28	4.563	4.549	4.576	VV	1598	17029	0.15%	0.008%
29	4.593	4.576	4.608	VV	3312	33000	0.28%	0.015%
30	4.620	4.608	4.632	VV	1365	13209	0.11%	0.006%
31	4.647	4.632	4.681	VV	1169	22458	0.19%	0.010%
32	4.713	4.681	4.731	VV	2151	29766	0.25%	0.014%
33	4.754	4.731	4.774	VV	2096	28403	0.24%	0.013%
34	4.789	4.774	4.799	VV	1209	12426	0.11%	0.006%
35	4.808	4.799	4.836	VV	1273	13602	0.12%	0.006%
36	4.862	4.836	4.876	VV	975	12045	0.10%	0.006%

Instrument :
FID_C
ClientSampleId :
WB-303-BOTMSD

Manual IntegrationsAPPROVED

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rteres

37	4.892	4.876	4.917	VV	1028	14407	0.12%	0.007%
38	4.947	4.917	4.959	PV	3476	35325		
39	4.975	4.959	5.000	VV	6179	78853		
40	5.017	5.000	5.039	VV	4730	59310		
41	5.054	5.039	5.064	VV	2990	29745		
42	5.078	5.064	5.117	VV	4859	55684		
43	5.132	5.117	5.152	PV	490	5992	0.05%	0.003%
44	5.175	5.152	5.199	VV	2101	29430	0.25%	0.013%
45	5.241	5.199	5.252	VV	3587	56235	0.48%	0.026%
46	5.263	5.252	5.280	VV	3675	37988	0.32%	0.017%
47	5.302	5.280	5.348	VV	1856	50313	0.43%	0.023%
48	5.374	5.348	5.420	VV	38087	470622	4.03%	0.215%
49	5.431	5.420	5.458	VV	2835	44612	0.38%	0.020%
50	5.469	5.458	5.479	VV	1037	11716	0.10%	0.005%
51	5.522	5.479	5.533	VV	1761	43594	0.37%	0.020%
52	5.557	5.533	5.576	VV	11704	159587	1.37%	0.073%
53	5.587	5.576	5.604	VV	5560	61233	0.52%	0.028%
54	5.622	5.604	5.634	VV	3676	51573	0.44%	0.024%
55	5.671	5.634	5.701	VV	14198	280701	2.40%	0.128%
56	5.742	5.701	5.755	VV	9596	167165	1.43%	0.076%
57	5.764	5.755	5.774	VV	6426	63527	0.54%	0.029%
58	5.786	5.774	5.805	VV	6674	95735	0.82%	0.044%
59	5.827	5.805	5.848	VV	8761	134160	1.15%	0.061%
60	5.877	5.848	5.898	VV	9149	180189	1.54%	0.082%
61	5.924	5.898	5.950	VV	19645	391207	3.35%	0.179%
62	5.971	5.950	5.993	VV	22276	329794	2.82%	0.151%
63	6.014	5.993	6.041	VV	31532	406018	3.47%	0.186%
64	6.075	6.041	6.095	VV	27881	426379	3.65%	0.195%
65	6.105	6.095	6.125	VV	10561	157785	1.35%	0.072%
66	6.161	6.125	6.172	VV	10438	226277	1.94%	0.103%
67	6.189	6.172	6.214	VV	17638	290286	2.48%	0.133%
68	6.236	6.214	6.263	VV	19453	376723	3.22%	0.172%
69	6.284	6.263	6.299	VV	15822	262538	2.25%	0.120%
70	6.357	6.299	6.428	VV	666284	7528207	64.40%	3.443%
71	6.449	6.428	6.464	VV	18187	316917	2.71%	0.145%
72	6.504	6.464	6.530	VV	86928	1398885	11.97%	0.640%
73	6.542	6.530	6.559	VV	25612	389589	3.33%	0.178%
74	6.575	6.559	6.602	VV	30946	515745	4.41%	0.236%
75	6.630	6.602	6.652	VV	26760	608650	5.21%	0.278%
76	6.677	6.652	6.701	VV	50235	925183	7.91%	0.423%
77	6.711	6.701	6.724	VV	23958	282780	2.42%	0.129%
78	6.742	6.724	6.773	VV	26914	600040	5.13%	0.274%
79	6.813	6.773	6.831	VV	30578	756205	6.47%	0.346%
80	6.855	6.831	6.892	VV	72628	1802780	15.42%	0.824%
81	6.913	6.892	6.936	VV	85653	1182064	10.11%	0.541%
82	6.957	6.936	6.988	VV	111191	1649385	14.11%	0.754%
83	7.014	6.988	7.035	VV	95420	1329776	11.38%	0.608%
84	7.057	7.035	7.094	VV	117877	1811098	15.49%	0.828%
85	7.111	7.094	7.130	VV	37318	643138	5.50%	0.294%
86	7.155	7.130	7.173	VV	51096	869604	7.44%	0.398%
87	7.200	7.173	7.212	VV	33671	692706	5.93%	0.317%
88	7.229	7.212	7.253	VV	49537	956444	8.18%	0.437%
89	7.281	7.253	7.306	VV	626749	7050578	60.32%	3.224%

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Instrument :
FID_C
ClientSampleId :
WB-303-BOTMSD

rteres

Manual IntegrationsAPPROVED

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90	7.327	7.306	7.354	VV	32981	796410	6.81%	0.364%
91	7.399	7.354	7.424	VV	47709	1542014	13	
92	7.450	7.424	7.476	VV	77938	1499855	12	
93	7.490	7.476	7.514	VV	32022	569208	4	
94	7.536	7.514	7.571	VV	37033	889831	7	
95	7.615	7.571	7.631	VV	58466	1362643	11	
96	7.642	7.631	7.680	VV	38469	810926	6.94%	0.371%
97	7.704	7.680	7.714	VV	48346	677065	5.79%	0.310%
98	7.732	7.714	7.745	VV	79034	1086464	9.29%	0.497%
99	7.756	7.745	7.775	VV	75007	935157	8.00%	0.428%
100	7.798	7.775	7.819	VV	82206	1269430	10.86%	0.581%
101	7.844	7.819	7.870	VV	114770	1734247	14.84%	0.793%
102	7.899	7.870	7.923	VV	82417	1353176	11.58%	0.619%
103	7.938	7.923	7.947	VV	26796	348593	2.98%	0.159%
104	7.969	7.947	7.993	VV	119792	1613799	13.81%	0.738%
105	8.012	7.993	8.038	VV	28700	672633	5.75%	0.308%
106	8.057	8.038	8.076	VV	37536	632970	5.41%	0.289%
107	8.153	8.076	8.180	VV	944616	11689439	100.00%	5.346%
108	8.196	8.180	8.219	VV	44017	759663	6.50%	0.347%
109	8.243	8.219	8.276	VV	39613	1066699	9.13%	0.488%
110	8.294	8.276	8.318	VV	39595	783128	6.70%	0.358%
111	8.341	8.318	8.372	VV	27854	758271	6.49%	0.347%
112	8.391	8.372	8.409	VV	24085	448662	3.84%	0.205%
113	8.447	8.409	8.484	VV	36195	1085518	9.29%	0.496%
114	8.503	8.484	8.531	VV	38222	792804	6.78%	0.363%
115	8.562	8.531	8.580	VV	48883	1062318	9.09%	0.486%
116	8.595	8.580	8.617	VV	48840	747562	6.40%	0.342%
117	8.636	8.617	8.655	VV	52239	754297	6.45%	0.345%
118	8.683	8.655	8.710	VV	127346	1885342	16.13%	0.862%
119	8.734	8.710	8.782	VV	52320	1067919	9.14%	0.488%
120	8.830	8.782	8.850	VV	21990	681340	5.83%	0.312%
121	8.862	8.850	8.881	VV	14605	242247	2.07%	0.111%
122	8.909	8.881	8.931	VV	22996	556516	4.76%	0.254%
123	8.969	8.931	9.018	VV	311085	4024712	34.43%	1.841%
124	9.052	9.018	9.074	VV	27369	594198	5.08%	0.272%
125	9.095	9.074	9.138	VV	16907	524736	4.49%	0.240%
126	9.160	9.138	9.179	VV	10765	237518	2.03%	0.109%
127	9.201	9.179	9.236	VV	13798	381062	3.26%	0.174%
128	9.251	9.236	9.310	VV	12022	427303	3.66%	0.195%
129	9.341	9.310	9.373	VV	39540	826149	7.07%	0.378%
130	9.385	9.373	9.402	VV	19942	277530	2.37%	0.127%
131	9.427	9.402	9.449	VV	25929	464320	3.97%	0.212%
132	9.472	9.449	9.492	VV	30101	451624	3.86%	0.207%
133	9.525	9.492	9.554	VV	24385	484606	4.15%	0.222%
134	9.579	9.554	9.638	VV	6160	250837	2.15%	0.115%
135	9.663	9.638	9.677	VV	7537	140642	1.20%	0.064%
136	9.702	9.677	9.716	VV	11196	210226	1.80%	0.096%
137	9.749	9.716	9.791	VV	581140	6676928	57.12%	3.053%
138	9.818	9.791	9.898	VV	9202	417478	3.57%	0.191%
139	9.918	9.898	9.936	VV	4748	91659	0.78%	0.042%
140	9.957	9.936	10.000	VV	4607	143923	1.23%	0.066%
141	10.020	10.000	10.045	VV	4141	91703	0.78%	0.042%

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Instrument :
FID_C
ClientSampleId :
WB-303-BOTMSD

Manual IntegrationsAPPROVED

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Supervised By :Ankita Jodhani 10/23/2024

A B C D E F G H I J

					rteres			
142	10.092	10.045	10.105	VV	9361	184463	1.58%	0.084%
143	10.133	10.105	10.159	VV	20488	365898	[illegible]	
144	10.180	10.159	10.201	VV	7018	127065	[illegible]	
145	10.222	10.201	10.248	VV	7936	141091	[illegible]	
146	10.276	10.248	10.305	VV	7391	135127	[illegible]	
147	10.331	10.305	10.355	VV	2003	56096	[illegible]	
148	10.379	10.355	10.393	VV	2686	53545	0.46%	0.024%
149	10.413	10.393	10.441	VV	3479	79521	0.68%	0.036%
150	10.482	10.441	10.521	VV	30320	443274	3.79%	0.203%
151	10.554	10.521	10.588	VV	10747	240618	2.06%	0.110%
152	10.599	10.588	10.629	VV	3962	79195	0.68%	0.036%
153	10.644	10.629	10.659	VV	2358	40012	0.34%	0.018%
154	10.682	10.659	10.701	VV	3100	66411	0.57%	0.030%
155	10.720	10.701	10.745	VV	3190	76085	0.65%	0.035%
156	10.756	10.745	10.781	VV	3028	58853	0.50%	0.027%
157	10.805	10.781	10.837	VV	4574	117617	1.01%	0.054%
158	10.858	10.837	10.884	VV	4438	110396	0.94%	0.050%
159	10.895	10.884	10.918	VV	4004	70581	0.60%	0.032%
160	10.936	10.918	10.955	VV	3996	73405	0.63%	0.034%
161	10.988	10.955	11.048	VV	7934	240787	2.06%	0.110%
162	11.075	11.048	11.091	VV	3945	92379	0.79%	0.042%
163	11.114	11.091	11.142	VV	5980	139099	1.19%	0.064%
164	11.187	11.142	11.244	VV	488155	5808210	49.69%	2.656%
165	11.275	11.244	11.325	VV	8340	260036	2.22%	0.119%
166	11.342	11.325	11.367	VV	4315	96249	0.82%	0.044%
167	11.409	11.367	11.438	VV	4150	162964	1.39%	0.075%
168	11.482	11.438	11.525	VV	6144	249768	2.14%	0.114%
169	11.551	11.525	11.560	VV	4965	94524	0.81%	0.043%
170	11.579	11.560	11.605	VV	5300	127102	1.09%	0.058%
171	11.637	11.605	11.655	VV	4841	138214	1.18%	0.063%
172	11.674	11.655	11.692	VV	5659	110566	0.95%	0.051%
173	11.706	11.692	11.716	VV	4716	65820	0.56%	0.030%
174	11.739	11.716	11.770	VV	4483	144513	1.24%	0.066%
175	11.794	11.770	11.807	VV	5143	103801	0.89%	0.047%
176	11.851	11.807	11.878	VV	8549	259701	2.22%	0.119%
177	11.897	11.878	11.925	VV	4477	119689	1.02%	0.055%
178	11.980	11.925	12.024	VV	4729	257464	2.20%	0.118%
179	12.071	12.024	12.095	VV	4881	181209	1.55%	0.083%
180	12.127	12.095	12.174	VV	5015	214279	1.83%	0.098%
181	12.185	12.174	12.203	VV	4466	74977	0.64%	0.034%
182	12.265	12.203	12.291	VV	5188	238637	2.04%	0.109%
183	12.318	12.291	12.383	VV	6525	276451	2.36%	0.126%
184	12.427	12.383	12.455	VV	5574	205975	1.76%	0.094%
185	12.495	12.455	12.552	VV	473385	5880605	50.31%	2.689%
186	12.594	12.552	12.621	VV	6597	233683	2.00%	0.107%
187	12.640	12.621	12.660	VV	5684	121216	1.04%	0.055%
188	12.709	12.660	12.724	VV	5475	195815	1.68%	0.090%
189	12.749	12.724	12.792	VV	6197	229895	1.97%	0.105%
190	12.820	12.792	12.835	VV	6656	163210	1.40%	0.075%
191	12.860	12.835	12.871	VV	7101	142071	1.22%	0.065%
192	12.936	12.871	12.969	VV	302779	3977796	34.03%	1.819%
193	13.035	12.969	13.055	VV	9806	460964	3.94%	0.211%
194	13.106	13.055	13.136	VV	444060	5843638	49.99%	2.672%

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Instrument :
FID_C
ClientSampleId :
WB-303-BOTMSD

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

195	13.155	13.136	13.196	VV	16782	482868	4.13%	0.221%
196	13.206	13.196	13.228	VV	10587	194670		
197	13.263	13.228	13.285	VV	13116	397753		
198	13.326	13.285	13.348	VV	12622	449452		
199	13.369	13.348	13.391	VV	13620	330125		
200	13.411	13.391	13.447	VV	13282	430835		
201	13.458	13.447	13.465	VV	12603	134300	1.15%	0.061%
202	13.496	13.465	13.505	VV	13450	310552	2.66%	0.142%
203	13.532	13.505	13.554	VV	15293	412624	3.53%	0.189%
204	13.593	13.554	13.618	VV	14718	547701	4.69%	0.250%
205	13.631	13.618	13.652	VV	14804	294888	2.52%	0.135%
206	13.691	13.652	13.801	VV	435067	6672186	57.08%	3.051%
207	13.842	13.801	13.861	VV	15202	526573	4.50%	0.241%
208	13.904	13.861	13.965	VV	16411	934353	7.99%	0.427%
209	13.988	13.965	14.041	VV	15482	667592	5.71%	0.305%
210	14.071	14.041	14.111	VV	14842	608479	5.21%	0.278%
211	14.128	14.111	14.171	VV	15140	520415	4.45%	0.238%
212	14.191	14.171	14.223	VV	17121	465129	3.98%	0.213%
213	14.250	14.223	14.281	VV	16009	510168	4.36%	0.233%
214	14.307	14.281	14.327	VV	14758	394567	3.38%	0.180%
215	14.337	14.327	14.370	VV	14768	364946	3.12%	0.167%
216	14.382	14.370	14.411	VV	14212	333335	2.85%	0.152%
217	14.419	14.411	14.426	VV	13018	113151	0.97%	0.052%
218	14.450	14.426	14.468	VV	14076	336628	2.88%	0.154%
219	14.493	14.468	14.531	VV	15191	530139	4.54%	0.242%
220	14.540	14.531	14.568	VV	13424	280009	2.40%	0.128%
221	14.574	14.568	14.609	VV	12584	307484	2.63%	0.141%
222	14.657	14.609	14.690	VV	13326	629473	5.38%	0.288%
223	14.699	14.690	14.753	VV	13601	485421	4.15%	0.222%
224	14.793	14.753	14.833	VV	410030	5909091	50.55%	2.702%
225	14.844	14.833	14.951	VV	13893	874440	7.48%	0.400%
226	14.987	14.951	15.017	VV	13341	492243	4.21%	0.225%
227	15.026	15.017	15.030	VV	12700	99952	0.86%	0.046%
228	15.040	15.030	15.075	VV	12956	324743	2.78%	0.149%
229	15.092	15.075	15.106	VV	12487	227639	1.95%	0.104%
230	15.119	15.106	15.138	VV	12424	228183	1.95%	0.104%
231	15.171	15.138	15.185	VV	12580	343589	2.94%	0.157%
232	15.208	15.185	15.271	VV	12780	628344	5.38%	0.287%
233	15.309	15.271	15.344	VV	16300	586520	5.02%	0.268%
234	15.358	15.344	15.393	VV	13286	361756	3.09%	0.165%
235	15.400	15.393	15.428	VV	11668	244447	2.09%	0.112%
236	15.434	15.428	15.463	VV	11760	225822	1.93%	0.103%
237	15.496	15.463	15.515	VV	11821	351062	3.00%	0.161%
238	15.528	15.515	15.552	VV	11935	256085	2.19%	0.117%
239	15.562	15.552	15.581	VV	11429	189902	1.62%	0.087%
240	15.636	15.581	15.651	VV	11957	476040	4.07%	0.218%
241	15.665	15.651	15.695	VV	11861	298553	2.55%	0.137%
242	15.699	15.695	15.751	VV	11762	368458	3.15%	0.168%
243	15.812	15.751	15.895	VV	402200	6155486	52.66%	2.815%
244	15.906	15.895	15.947	VV	9660	293036	2.51%	0.134%
245	15.991	15.947	16.041	VV	12272	589916	5.05%	0.270%
246	16.046	16.041	16.072	VV	9738	175213	1.50%	0.080%

Instrument :
FID_C
ClientSampleId :
WB-303-BOTMSD

Manual IntegrationsAPPROVED

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rteres

247	16.127	16.072	16.148	VV	10796	452772	3.87%	0.207%
248	16.168	16.148	16.211	VV	11699	381819	3	
249	16.289	16.211	16.315	VV	12920	592181	5	
250	16.333	16.315	16.394	VV	9548	391540	3	
251	16.462	16.394	16.485	VV	8873	449288	3	
252	16.496	16.485	16.578	VV	8648	437040	3	
253	16.604	16.578	16.665	VV	8253	407556	3.49%	0.186%
254	16.683	16.665	16.705	VV	6992	160798	1.38%	0.074%
255	16.761	16.705	16.841	VV	385344	5722176	48.95%	2.617%
256	16.862	16.841	16.881	VV	6328	142828	1.22%	0.065%
257	16.908	16.881	16.961	VV	6856	301964	2.58%	0.138%
258	16.986	16.961	17.021	VV	6867	220458	1.89%	0.101%
259	17.072	17.021	17.122	VV	6413	332795	2.85%	0.152%
260	17.140	17.122	17.155	VV	5461	102124	0.87%	0.047%
261	17.166	17.155	17.180	VV	5020	74121	0.63%	0.034%
262	17.207	17.180	17.255	VV	8002	258363	2.21%	0.118%
263	17.272	17.255	17.285	VV	4273	75732	0.65%	0.035%
264	17.317	17.285	17.424	VV	5114	365933	3.13%	0.167%
265	17.441	17.424	17.461	VV	4033	80939	0.69%	0.037%
266	17.487	17.461	17.508	VV	4496	115086	0.98%	0.053%
267	17.534	17.508	17.568	VV	7335	190681	1.63%	0.087%
268	17.576	17.568	17.581	VV	4006	31717	0.27%	0.015%
269	17.647	17.581	17.732	VV	380568	5527223	47.28%	2.528%
270	17.780	17.732	17.875	VV	4696	257436	2.20%	0.118%
271	17.915	17.875	17.925	VV	2614	66087	0.57%	0.030%
272	17.934	17.925	17.957	VV	2459	44092	0.38%	0.020%
273	17.978	17.957	17.992	VV	2274	43462	0.37%	0.020%
274	18.005	17.992	18.041	VV	1999	58644	0.50%	0.027%
275	18.066	18.041	18.124	VV	4122	119241	1.02%	0.055%
276	18.144	18.124	18.242	VV	3426	105240	0.90%	0.048%
277	18.339	18.242	18.348	VV	1499	64151	0.55%	0.029%
278	18.356	18.348	18.426	VV	1330	37392	0.32%	0.017%
279	18.478	18.426	18.535	VV	362190	5245884	44.88%	2.399%
280	18.562	18.535	18.588	VV	1231	24979	0.21%	0.011%
281	18.616	18.588	18.648	VV	926	23633	0.20%	0.011%
282	18.655	18.648	18.715	VV	705	16287	0.14%	0.007%
283	18.729	18.715	18.737	VV	600	6165	0.05%	0.003%
284	18.757	18.737	18.771	VV	691	9683	0.08%	0.004%
285	18.775	18.771	18.807	VV	415	4987	0.04%	0.002%
286	18.817	18.807	18.832	PV	326	3184	0.03%	0.001%
287	18.872	18.832	18.938	VV	3381	68165	0.58%	0.031%
288	18.946	18.938	18.955	VV	380	3132	0.03%	0.001%
289	18.964	18.955	18.996	VV	708	12046	0.10%	0.006%
290	19.041	18.996	19.088	VV	987	30619	0.26%	0.014%
291	19.114	19.088	19.174	VV	605	20302	0.17%	0.009%
292	19.261	19.174	19.341	VV	363672	5340669	45.69%	2.442%
293	19.345	19.341	19.355	VV	980	6537	0.06%	0.003%
294	19.370	19.355	19.435	VV	1091	35716	0.31%	0.016%
295	19.458	19.435	19.471	VV	953	17821	0.15%	0.008%
296	19.558	19.471	19.590	VV	1460	83400	0.71%	0.038%
297	19.631	19.590	19.652	VV	2652	64525	0.55%	0.030%
298	19.671	19.652	19.710	VV	2045	54820	0.47%	0.025%
299	19.835	19.710	19.844	VV	6309	242090	2.07%	0.111%

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Instrument :
FID_C
ClientSampleId :
WB-303-BOTMSD

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Supervised By :Ankita Jodhani 10/23/2024

A B C D E F G H I J

rteres

300	19.854	19.844	19.944	VV	6881	258656	2.21%	0.118%
301	19.998	19.944	20.042	VV	352738	5399101	46	
302	20.052	20.042	20.075	VV	3934	72735	0	
303	20.141	20.075	20.231	VV	5076	381315	3	
304	20.272	20.231	20.295	VV	3875	140967	1	
305	20.348	20.295	20.408	VV	5010	259905	2	
306	20.465	20.408	20.501	VV	4068	210020	1.80%	0.096%
307	20.517	20.501	20.542	VV	4198	98656	0.84%	0.045%
308	20.551	20.542	20.608	VV	4098	146264	1.25%	0.067%
309	20.618	20.608	20.641	VV	3294	63856	0.55%	0.029%
310	20.723	20.641	20.951	VV	314370	5906520	50.53%	2.701%
311	20.999	20.951	21.013	VV	2216	75546	0.65%	0.035%
312	21.040	21.013	21.055	VV	2234	50757	0.43%	0.023%
313	21.085	21.055	21.097	VV	2040	49721	0.43%	0.023%
314	21.132	21.097	21.223	VV	2662	139208	1.19%	0.064%
315	21.234	21.223	21.245	VV	1314	16606	0.14%	0.008%
316	21.254	21.245	21.295	VV	1367	35885	0.31%	0.016%
317	21.335	21.295	21.351	VV	1301	39247	0.34%	0.018%
318	21.362	21.351	21.381	VV	1129	18946	0.16%	0.009%
319	21.408	21.381	21.457	VV	1153	43938	0.38%	0.020%
320	21.610	21.457	21.724	VV	232069	5548714	47.47%	2.537%
321	21.751	21.724	21.783	VV	387	8603	0.07%	0.004%

Sum of corrected areas: 218671718

Aliphatic EPH 100224.M Wed Oct 23 07:56:27 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048556.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 06:04
Operator : YP/AJ
Sample : P4460-03MSD
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-303-BOTMSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 07:10:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 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...	7.375	7899041	47.709 ug/ml
	Spiked Amount 50.000		Recovery =	95.42%
6)	S 2-Flurobiphenyl (SURR)	8.225	5015716	48.365 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	96.73%
11)	S ortho-Terphenyl (SURR)	11.260	6082274	33.056 ug/ml
	Spiked Amount 50.000		Recovery =	66.11%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.198	6374636	36.373 ug/ml
2)	T Naphthalene (C11.7)	5.715	7633567	40.884 ug/mlm
3)	T 2-Methylnaphthalene (...	6.762	7443549	39.386 ug/ml
5)	T Acenaphthylene (C15.06)	8.028	7547141	39.340 ug/ml
7)	T Acenaphthene (C15.5)	8.324	8110504	42.877 ug/ml
8)	T Flouorene (C16.55)	9.102	8010751	44.338 ug/ml
9)	T Phenanthrene (C19.36)	10.489	8213285	46.342 ug/ml
10)	T Anthracene (C19.43)	10.565	8331375	46.821 ug/ml
12)	T Fluoranthene (C21.85)	12.295	8519629	47.103 ug/mlm
13)	T Pyrene (C20.8)	12.588	8815200	49.228 ug/ml
14)	T Benzo[a]anthracene (C...	14.458	7881258	49.315 ug/ml
15)	T Chrysene (C27.41)	14.501	7985711	42.813 ug/ml
16)	T benzo[b]fluoranthene ...	16.005	7687518	46.160 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.040	7711796	45.431 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.381	7442521	45.536 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.749	8029953	61.046 ug/ml
20)	T Dibenz[a,h]anthracene...	17.786	7568699	45.231 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.000	7295893	44.919 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

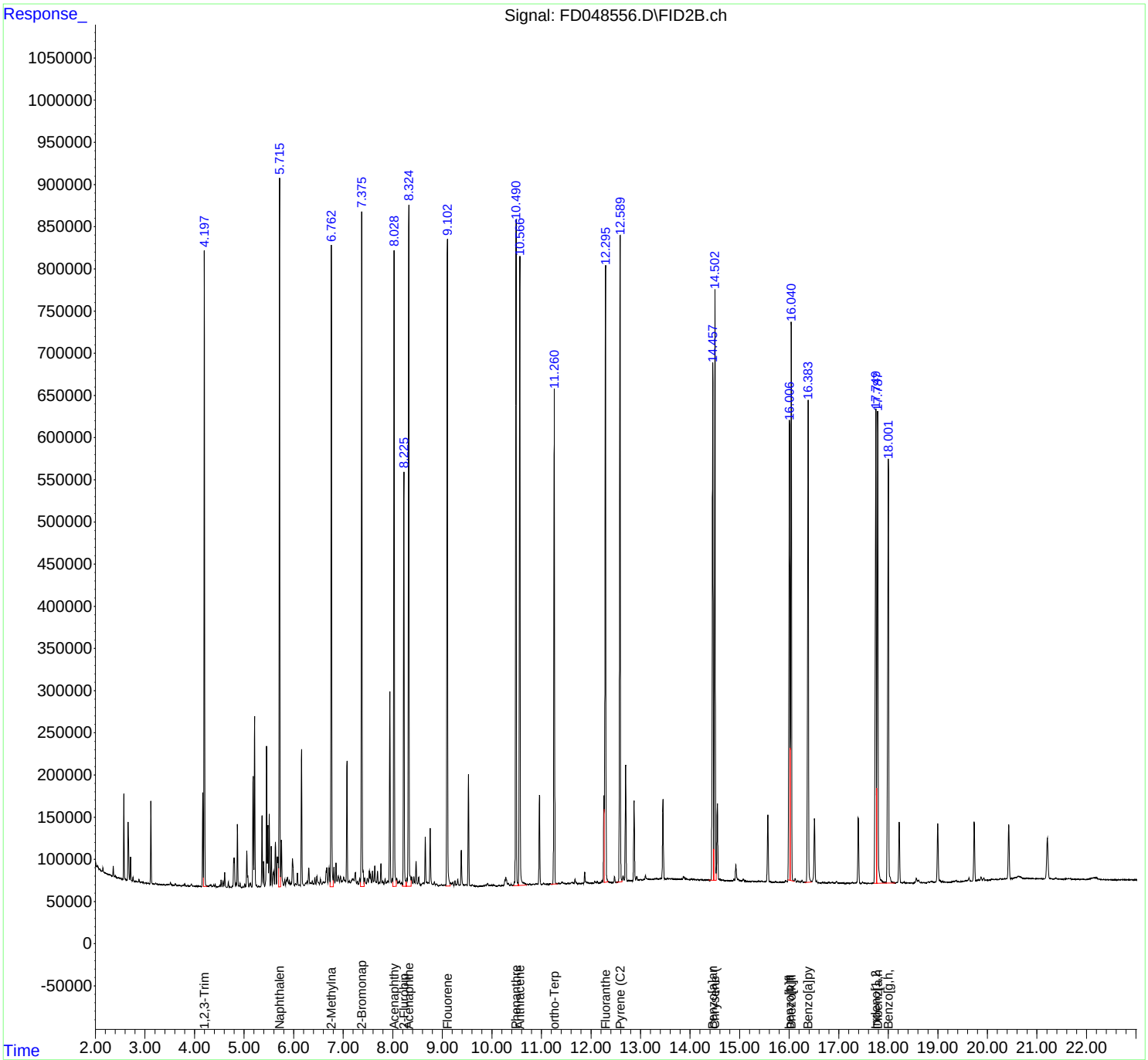
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
Data File : FD048556.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 06:04
Operator : YP/AJ
Sample : P4460-03MSD
Misc :
ALS Vial : 69 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
WB-303-BOTMSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
Quant Time: Oct 23 07:10:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
Quant Title : GC Extractables
QLast Update : Mon Sep 30 14:17:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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



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Instrument :
FID_D
ClientSampleId :
WB-303-BOTMSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD10222
Data File : FD048556.D
Signal(s) : FID2B.ch
Acq On : 23 Oct 2024 06:04
Sample : P4460-03MSD
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.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	4.166	4.152	4.180	PV	103910	826790	9.18%	0.372%
2	4.198	4.180	4.262	PV	744828	6113084	67.89%	2.749%
3	4.277	4.262	4.291	PV	468	3786	0.04%	0.002%
4	4.306	4.291	4.318	PV	1874	18111	0.20%	0.008%
5	4.332	4.318	4.352	VV	2379	26111	0.29%	0.012%
6	4.387	4.352	4.402	VV	2268	26059	0.29%	0.012%
7	4.417	4.402	4.452	VV	3245	30486	0.34%	0.014%
8	4.456	4.452	4.473	PV	265	1203	0.01%	0.001%
9	4.487	4.473	4.497	VV	707	5003	0.06%	0.002%
10	4.511	4.497	4.522	VV	2468	20892	0.23%	0.009%
11	4.537	4.522	4.556	VV	8518	79298	0.88%	0.036%
12	4.574	4.556	4.593	VV	7316	87620	0.97%	0.039%
13	4.609	4.593	4.651	VV	17559	176950	1.97%	0.080%
14	4.659	4.651	4.665	PV	179	1133	0.01%	0.001%
15	4.683	4.665	4.702	VV	6348	61856	0.69%	0.028%
16	4.711	4.702	4.740	VV	1022	9692	0.11%	0.004%
17	4.767	4.740	4.774	PV	2067	19732	0.22%	0.009%
18	4.791	4.774	4.798	VV	34652	291255	3.23%	0.131%
19	4.805	4.798	4.826	VV	35494	313911	3.49%	0.141%
20	4.840	4.826	4.848	VV	5246	50866	0.56%	0.023%
21	4.866	4.848	4.892	VV	74848	675620	7.50%	0.304%
22	4.896	4.892	4.905	VV	2059	13789	0.15%	0.006%
23	4.920	4.905	4.956	VV	5295	51899	0.58%	0.023%
24	4.979	4.956	4.998	VV	912	10059	0.11%	0.005%
25	5.014	4.998	5.032	VV	3904	39576	0.44%	0.018%
26	5.056	5.032	5.070	VV	43191	412690	4.58%	0.186%
27	5.075	5.070	5.098	VV	14091	116674	1.30%	0.052%
28	5.115	5.098	5.123	VV	4649	41542	0.46%	0.019%
29	5.133	5.123	5.158	VV	4843	46656	0.52%	0.021%
30	5.181	5.158	5.197	VV	131123	1259331	13.98%	0.566%
31	5.212	5.197	5.243	VV	202487	1888179	20.97%	0.849%
32	5.252	5.243	5.279	VV	2754	30054	0.33%	0.014%
33	5.295	5.279	5.311	VV	1861	21829	0.24%	0.010%
34	5.321	5.311	5.332	VV	836	8429	0.09%	0.004%
35	5.362	5.332	5.381	VV	84892	780841	8.67%	0.351%
36	5.395	5.381	5.416	VV	31019	295501	3.28%	0.133%

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37	5.455	5.416	5.469	VV	166881	1582381	17.57%	0.712%
38	5.481	5.469	5.495	VV	73498	716321		
39	5.508	5.495	5.530	VV	86755	806350		
40	5.549	5.530	5.569	VV	48731	467317		
41	5.585	5.569	5.591	VV	16595	148603		
42	5.599	5.591	5.614	VV	19117	188894		
43	5.633	5.614	5.654	VV	53753	657403	7.30%	0.296%
44	5.671	5.654	5.679	VV	36433	346242	3.84%	0.156%
45	5.688	5.679	5.696	VV	35407	319629	3.55%	0.144%
46	5.716	5.696	5.738	VV	840032	7647609	84.93%	3.439%
47	5.755	5.738	5.796	VV	55853	686758	7.63%	0.309%
48	5.822	5.796	5.837	VV	9013	121528	1.35%	0.055%
49	5.853	5.837	5.861	VV	8496	93815	1.04%	0.042%
50	5.875	5.861	5.900	VV	11854	194448	2.16%	0.087%
51	5.914	5.900	5.927	VV	7993	87774	0.97%	0.039%
52	5.937	5.927	5.947	VV	4754	47951	0.53%	0.022%
53	5.978	5.947	6.020	VV	34120	585499	6.50%	0.263%
54	6.036	6.020	6.055	VV	4271	71823	0.80%	0.032%
55	6.077	6.055	6.101	VV	16894	206857	2.30%	0.093%
56	6.122	6.101	6.136	VV	2940	51234	0.57%	0.023%
57	6.160	6.136	6.208	VV	163242	1661570	18.45%	0.747%
58	6.245	6.208	6.256	VV	5202	101948	1.13%	0.046%
59	6.273	6.256	6.285	VV	7657	104287	1.16%	0.047%
60	6.307	6.285	6.328	VV	22854	313895	3.49%	0.141%
61	6.340	6.328	6.362	VV	5535	94571	1.05%	0.043%
62	6.377	6.362	6.392	VV	7605	100794	1.12%	0.045%
63	6.401	6.392	6.413	VV	4275	47188	0.52%	0.021%
64	6.429	6.413	6.450	VV	11427	157755	1.75%	0.071%
65	6.470	6.450	6.520	VV	12935	286148	3.18%	0.129%
66	6.541	6.520	6.572	VV	9473	180020	2.00%	0.081%
67	6.597	6.572	6.609	VV	6583	112849	1.25%	0.051%
68	6.617	6.609	6.627	VV	5735	60035	0.67%	0.027%
69	6.671	6.627	6.690	VV	23369	482066	5.35%	0.217%
70	6.715	6.690	6.735	VV	23153	365249	4.06%	0.164%
71	6.762	6.735	6.798	VV	761531	7459370	82.84%	3.354%
72	6.814	6.798	6.832	VV	23908	283086	3.14%	0.127%
73	6.856	6.832	6.874	VV	28843	363269	4.03%	0.163%
74	6.899	6.874	6.925	VV	13194	295324	3.28%	0.133%
75	6.948	6.925	6.965	VV	12541	226550	2.52%	0.102%
76	6.975	6.965	6.984	VV	7348	77435	0.86%	0.035%
77	7.011	6.984	7.026	VV	11922	230277	2.56%	0.104%
78	7.035	7.026	7.052	VV	8299	112312	1.25%	0.051%
79	7.077	7.052	7.100	VV	149365	1580030	17.55%	0.710%
80	7.125	7.100	7.148	VV	7070	175920	1.95%	0.079%
81	7.180	7.148	7.185	VV	8616	156013	1.73%	0.070%
82	7.198	7.185	7.221	VV	10076	190512	2.12%	0.086%
83	7.246	7.221	7.274	VV	17085	325622	3.62%	0.146%
84	7.288	7.274	7.306	VV	6954	101713	1.13%	0.046%
85	7.334	7.306	7.349	VV	10171	165216	1.83%	0.074%
86	7.375	7.349	7.398	VV	799769	7730095	85.84%	3.476%
87	7.403	7.398	7.421	VV	18623	184209	2.05%	0.083%
88	7.434	7.421	7.467	VV	10429	195288	2.17%	0.088%
89	7.489	7.467	7.509	VV	10582	184392	2.05%	0.083%

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90	7.528	7.509	7.542	VV	19302	262062	2.91%	0.118%
91	7.553	7.542	7.573	VV	15062	193175	2	
92	7.594	7.573	7.611	VV	18924	249786	2	
93	7.639	7.611	7.677	VV	25130	429717	4	
94	7.694	7.677	7.714	VV	18599	233714	2	
95	7.731	7.714	7.742	VV	5659	78993	0	
96	7.763	7.742	7.784	VV	27661	339750	3.77%	0.153%
97	7.800	7.784	7.826	VV	6548	126726	1.41%	0.057%
98	7.846	7.826	7.865	VV	9643	148207	1.65%	0.067%
99	7.905	7.865	7.916	VV	6589	174639	1.94%	0.079%
100	7.943	7.916	7.971	VV	231346	2422331	26.90%	1.089%
101	7.990	7.971	8.002	VV	10098	139400	1.55%	0.063%
102	8.028	8.002	8.069	VV	754411	7567120	84.03%	3.403%
103	8.082	8.069	8.104	VV	10172	162687	1.81%	0.073%
104	8.118	8.104	8.122	VV	5194	51440	0.57%	0.023%
105	8.136	8.122	8.160	VV	7129	123468	1.37%	0.056%
106	8.177	8.160	8.197	VV	4974	89438	0.99%	0.040%
107	8.226	8.197	8.274	VV	492178	5056253	56.15%	2.274%
108	8.287	8.274	8.297	VV	10878	121783	1.35%	0.055%
109	8.324	8.297	8.371	VV	808181	8023223	89.10%	3.608%
110	8.384	8.371	8.406	VV	11840	172953	1.92%	0.078%
111	8.427	8.406	8.450	VV	11924	191670	2.13%	0.086%
112	8.472	8.450	8.499	VV	30118	399678	4.44%	0.180%
113	8.524	8.499	8.570	VV	11470	215553	2.39%	0.097%
114	8.595	8.570	8.601	VV	3976	58677	0.65%	0.026%
115	8.615	8.601	8.632	VV	5087	78619	0.87%	0.035%
116	8.658	8.632	8.682	VV	58850	639146	7.10%	0.287%
117	8.693	8.682	8.708	VV	5790	78001	0.87%	0.035%
118	8.722	8.708	8.734	VV	5075	72518	0.81%	0.033%
119	8.757	8.734	8.795	VV	69527	843318	9.36%	0.379%
120	8.800	8.795	8.820	VV	3215	42774	0.48%	0.019%
121	8.841	8.820	8.860	VV	5986	96134	1.07%	0.043%
122	8.875	8.860	8.880	VV	3260	32523	0.36%	0.015%
123	8.884	8.880	8.887	VV	3306	14912	0.17%	0.007%
124	8.892	8.887	8.923	VV	3331	41415	0.46%	0.019%
125	8.944	8.923	8.957	VV	1871	30546	0.34%	0.014%
126	8.980	8.957	9.005	VV	2369	56123	0.62%	0.025%
127	9.033	9.005	9.047	VV	2404	47007	0.52%	0.021%
128	9.057	9.047	9.072	VV	2185	26827	0.30%	0.012%
129	9.102	9.072	9.159	VV	766605	8055691	89.46%	3.622%
130	9.173	9.159	9.192	VV	4952	76185	0.85%	0.034%
131	9.213	9.192	9.236	VV	5386	93987	1.04%	0.042%
132	9.257	9.236	9.279	VV	6804	95394	1.06%	0.043%
133	9.287	9.279	9.295	VV	2691	24198	0.27%	0.011%
134	9.313	9.295	9.341	VV	9103	123331	1.37%	0.055%
135	9.358	9.341	9.364	VV	2473	28174	0.31%	0.013%
136	9.384	9.364	9.437	VV	43353	526681	5.85%	0.237%
137	9.447	9.437	9.460	VV	2060	25417	0.28%	0.011%
138	9.480	9.460	9.503	VV	2929	56241	0.62%	0.025%
139	9.529	9.503	9.562	VV	132689	1423030	15.80%	0.640%
140	9.573	9.562	9.583	VV	1272	14147	0.16%	0.006%
141	9.604	9.583	9.668	VV	2093	60993	0.68%	0.027%

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142	9.692	9.668	9.717	VV	937	14357	0.16%	0.006%
143	9.743	9.717	9.779	PV	748	18042		
144	9.781	9.779	9.783	VV	556	1433		
145	9.798	9.783	9.820	VV	981	16442		
146	9.843	9.820	9.847	VV	1027	12682		
147	9.852	9.847	9.857	VV	945	5208		
148	9.873	9.857	9.884	VV	2035	24711	0.27%	0.011%
149	9.918	9.884	9.938	VV	4040	83817	0.93%	0.038%
150	9.965	9.938	9.982	VV	1589	32880	0.37%	0.015%
151	9.986	9.982	9.990	VV	1051	4929	0.05%	0.002%
152	10.005	9.990	10.018	VV	1627	22559	0.25%	0.010%
153	10.030	10.018	10.045	VV	1891	24898	0.28%	0.011%
154	10.056	10.045	10.084	VV	1830	24233	0.27%	0.011%
155	10.145	10.084	10.178	VV	1263	44987	0.50%	0.020%
156	10.192	10.178	10.199	VV	976	10758	0.12%	0.005%
157	10.216	10.199	10.221	VV	1123	14032	0.16%	0.006%
158	10.264	10.221	10.270	VV	7602	92397	1.03%	0.042%
159	10.282	10.270	10.323	VV	10618	210872	2.34%	0.095%
160	10.337	10.323	10.364	VV	3198	57013	0.63%	0.026%
161	10.389	10.364	10.422	VV	2395	52115	0.58%	0.023%
162	10.455	10.422	10.460	VV	5203	53744	0.60%	0.024%
163	10.490	10.460	10.533	VV	792666	8215084	91.23%	3.694%
164	10.566	10.533	10.632	VV	745278	8315823	92.35%	3.739%
165	10.639	10.632	10.669	VV	4324	82369	0.91%	0.037%
166	10.679	10.669	10.702	VV	3133	53915	0.60%	0.024%
167	10.716	10.702	10.745	VV	2587	56435	0.63%	0.025%
168	10.765	10.745	10.802	VV	2766	72546	0.81%	0.033%
169	10.829	10.802	10.859	VV	2615	75388	0.84%	0.034%
170	10.867	10.859	10.876	VV	2466	23211	0.26%	0.010%
171	10.894	10.876	10.912	VV	2711	52783	0.59%	0.024%
172	10.961	10.912	11.010	VV	107725	1304328	14.48%	0.587%
173	11.014	11.010	11.017	VV	2201	8954	0.10%	0.004%
174	11.051	11.017	11.085	VV	3334	103782	1.15%	0.047%
175	11.112	11.085	11.143	VV	2576	76407	0.85%	0.034%
176	11.152	11.143	11.176	VV	2385	44074	0.49%	0.020%
177	11.180	11.176	11.188	VV	2270	15973	0.18%	0.007%
178	11.193	11.188	11.215	VV	2237	34332	0.38%	0.015%
179	11.260	11.215	11.306	VV	589122	6216661	69.04%	2.795%
180	11.312	11.306	11.333	VV	2977	46432	0.52%	0.021%
181	11.343	11.333	11.352	VV	3209	33959	0.38%	0.015%
182	11.355	11.352	11.380	VV	3266	48650	0.54%	0.022%
183	11.414	11.380	11.458	VV	4802	166498	1.85%	0.075%
184	11.473	11.458	11.505	VV	3437	81981	0.91%	0.037%
185	11.540	11.505	11.561	VV	3090	94373	1.05%	0.042%
186	11.565	11.561	11.574	VV	2992	20020	0.22%	0.009%
187	11.614	11.574	11.657	VV	4322	169986	1.89%	0.076%
188	11.680	11.657	11.703	VV	7998	139829	1.55%	0.063%
189	11.709	11.703	11.730	VV	3562	51308	0.57%	0.023%
190	11.750	11.730	11.758	VV	3045	45025	0.50%	0.020%
191	11.762	11.758	11.777	VV	2911	31385	0.35%	0.014%
192	11.782	11.777	11.797	VV	2806	32662	0.36%	0.015%
193	11.810	11.797	11.822	VV	2848	41228	0.46%	0.019%
194	11.842	11.822	11.855	VV	3397	63326	0.70%	0.028%

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195	11.875	11.855	11.900	VV	16021	228648	2.54%	0.103%
196	11.907	11.900	11.943	VV	4500	99681	1	
197	11.958	11.943	11.975	VV	3401	59217	0	
198	11.986	11.975	12.016	VV	3043	71750	0	
199	12.033	12.016	12.037	VV	3047	35971	0	
200	12.042	12.037	12.055	VV	3106	32298	0	
201	12.078	12.055	12.114	VV	5153	136976	1.52%	0.062%
202	12.130	12.114	12.151	VV	5387	92106	1.02%	0.041%
203	12.172	12.151	12.187	VV	3523	70738	0.79%	0.032%
204	12.224	12.187	12.237	VV	6704	136612	1.52%	0.061%
205	12.264	12.237	12.270	VV	106650	1075699	11.95%	0.484%
206	12.295	12.270	12.405	VV	736858	8803572	97.76%	3.959%
207	12.410	12.405	12.426	VV	3735	45739	0.51%	0.021%
208	12.437	12.426	12.442	VV	3655	33073	0.37%	0.015%
209	12.475	12.442	12.504	VV	10400	206360	2.29%	0.093%
210	12.541	12.504	12.550	VV	4386	109408	1.21%	0.049%
211	12.589	12.550	12.628	VV	768992	9005041	100.00%	4.049%
212	12.648	12.628	12.672	VV	11375	222126	2.47%	0.100%
213	12.700	12.672	12.730	VV	141853	1708609	18.97%	0.768%
214	12.773	12.730	12.789	VV	6046	194023	2.15%	0.087%
215	12.825	12.789	12.839	VV	5994	167556	1.86%	0.075%
216	12.870	12.839	12.901	VV	100339	1335864	14.83%	0.601%
217	12.924	12.901	12.949	VV	10733	233066	2.59%	0.105%
218	12.954	12.949	12.967	VV	6266	66635	0.74%	0.030%
219	12.989	12.967	12.997	VV	6660	117056	1.30%	0.053%
220	13.009	12.997	13.025	VV	7092	112958	1.25%	0.051%
221	13.038	13.025	13.044	VV	6358	68292	0.76%	0.031%
222	13.063	13.044	13.070	VV	7048	107167	1.19%	0.048%
223	13.099	13.070	13.150	VV	11604	398074	4.42%	0.179%
224	13.160	13.150	13.180	VV	7583	132390	1.47%	0.060%
225	13.185	13.180	13.197	VV	7277	70818	0.79%	0.032%
226	13.211	13.197	13.236	VV	7420	167529	1.86%	0.075%
227	13.249	13.236	13.260	VV	7380	104975	1.17%	0.047%
228	13.301	13.260	13.317	VV	7824	253870	2.82%	0.114%
229	13.327	13.317	13.342	VV	8255	119260	1.32%	0.054%
230	13.347	13.342	13.354	VV	7673	51223	0.57%	0.023%
231	13.371	13.354	13.380	VV	7496	115692	1.28%	0.052%
232	13.405	13.380	13.422	VV	8536	201520	2.24%	0.091%
233	13.453	13.422	13.491	VV	101850	1423944	15.81%	0.640%
234	13.503	13.491	13.527	VV	7622	157139	1.75%	0.071%
235	13.545	13.527	13.569	VV	8229	192170	2.13%	0.086%
236	13.579	13.569	13.589	VV	7841	90973	1.01%	0.041%
237	13.593	13.589	13.617	VV	7666	123637	1.37%	0.056%
238	13.633	13.617	13.652	VV	7899	157915	1.75%	0.071%
239	13.655	13.652	13.663	VV	7284	46729	0.52%	0.021%
240	13.681	13.663	13.699	VV	7458	155497	1.73%	0.070%
241	13.703	13.699	13.716	VV	7367	75223	0.84%	0.034%
242	13.720	13.716	13.744	VV	7178	118035	1.31%	0.053%
243	13.758	13.744	13.769	VV	7305	107187	1.19%	0.048%
244	13.774	13.769	13.779	VV	7017	38568	0.43%	0.017%
245	13.789	13.779	13.798	VV	7082	81334	0.90%	0.037%
246	13.804	13.798	13.810	VV	7025	50170	0.56%	0.023%

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247	13.817	13.810	13.827	VV	7301	68346	0.76%	0.031%
248	13.865	13.827	13.909	VV	10310	402092	4	
249	13.929	13.909	13.967	VV	7558	240526	2	
250	13.972	13.967	13.992	VV	6542	97025	1	
251	14.014	13.992	14.055	VV	7235	253646	2	
252	14.068	14.055	14.087	VV	7053	127013	1	
253	14.101	14.087	14.122	VV	6644	133977	1.49%	0.060%
254	14.148	14.122	14.152	VV	6412	109193	1.21%	0.049%
255	14.158	14.152	14.187	VV	6477	126768	1.41%	0.057%
256	14.209	14.187	14.225	VV	6087	137797	1.53%	0.062%
257	14.235	14.225	14.264	VV	6337	139145	1.55%	0.063%
258	14.269	14.264	14.274	VV	5748	31870	0.35%	0.014%
259	14.288	14.274	14.299	VV	5766	84488	0.94%	0.038%
260	14.307	14.299	14.326	VV	5916	93359	1.04%	0.042%
261	14.346	14.326	14.374	VV	5798	163011	1.81%	0.073%
262	14.378	14.374	14.388	VV	5603	47851	0.53%	0.022%
263	14.396	14.388	14.412	VV	5768	77896	0.87%	0.035%
264	14.458	14.412	14.476	VV	617919	8083594	89.77%	3.635%
265	14.502	14.476	14.526	VV	706153	8152653	90.53%	3.666%
266	14.550	14.526	14.630	VV	96347	1515615	16.83%	0.682%
267	14.634	14.630	14.639	VV	5534	27374	0.30%	0.012%
268	14.643	14.639	14.704	VV	5594	202261	2.25%	0.091%
269	14.737	14.704	14.769	VV	5256	189393	2.10%	0.085%
270	14.775	14.769	14.787	VV	4723	51428	0.57%	0.023%
271	14.791	14.787	14.812	VV	4685	67645	0.75%	0.030%
272	14.824	14.812	14.841	VV	4758	79579	0.88%	0.036%
273	14.848	14.841	14.862	VV	4558	56142	0.62%	0.025%
274	14.883	14.862	14.897	VV	6929	119874	1.33%	0.054%
275	14.923	14.897	14.964	VV	23871	464392	5.16%	0.209%
276	14.970	14.964	14.990	VV	6220	88127	0.98%	0.040%
277	14.995	14.990	15.020	VV	5113	86201	0.96%	0.039%
278	15.028	15.020	15.042	VV	4639	57809	0.64%	0.026%
279	15.075	15.042	15.107	VV	6366	195711	2.17%	0.088%
280	15.118	15.107	15.156	VV	4351	115377	1.28%	0.052%
281	15.160	15.156	15.166	VV	3785	22328	0.25%	0.010%
282	15.181	15.166	15.227	VV	3886	134030	1.49%	0.060%
283	15.266	15.227	15.317	VV	4105	196110	2.18%	0.088%
284	15.337	15.317	15.349	VV	3384	62524	0.69%	0.028%
285	15.393	15.349	15.402	VV	3808	113059	1.26%	0.051%
286	15.408	15.402	15.417	VV	3704	32121	0.36%	0.014%
287	15.434	15.417	15.440	VV	4060	50802	0.56%	0.023%
288	15.447	15.440	15.487	VV	4103	101236	1.12%	0.046%
289	15.493	15.487	15.504	VV	3261	30955	0.34%	0.014%
290	15.524	15.504	15.533	VV	3446	56592	0.63%	0.025%
291	15.567	15.533	15.600	VV	82220	1158932	12.87%	0.521%
292	15.606	15.600	15.661	VV	3444	108435	1.20%	0.049%
293	15.670	15.661	15.689	VV	2592	40652	0.45%	0.018%
294	15.727	15.689	15.757	VV	3266	108894	1.21%	0.049%
295	15.761	15.757	15.770	VV	2454	18805	0.21%	0.008%
296	15.780	15.770	15.794	VV	2462	33201	0.37%	0.015%
297	15.820	15.794	15.852	VV	2647	88221	0.98%	0.040%
298	15.903	15.852	15.910	VV	2757	89917	1.00%	0.040%
299	15.934	15.910	15.964	VV	4271	107575	1.19%	0.048%

12

Instrument :
FID_D
ClientSampleId :
WB-303-BOTMSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/23/2024
Supervised By :Ankita Jodhani 10/23/2024

A B C D E F G H I J

rteres

300	16.005	15.964	16.020	VV	549103	7824560	86.89%	3.518%
301	16.040	16.020	16.099	VV	668113	7919704	87	
302	16.120	16.099	16.154	VV	6969	144770	1	
303	16.175	16.154	16.235	VV	4087	146151	1	
304	16.257	16.235	16.309	VV	4631	127621	1	
305	16.321	16.309	16.339	VV	2198	37879	0	
306	16.382	16.339	16.455	VV	572492	7588338	84.27%	3.412%
307	16.509	16.455	16.540	VV	77404	1174234	13.04%	0.528%
308	16.552	16.540	16.639	VV	3576	108686	1.21%	0.049%
309	16.684	16.639	16.700	VV	1562	50240	0.56%	0.023%
310	16.711	16.700	16.727	VV	1638	21631	0.24%	0.010%
311	16.738	16.727	16.765	VV	1275	25128	0.28%	0.011%
312	16.804	16.765	16.848	VV	1946	67929	0.75%	0.031%
313	16.871	16.848	16.919	VV	2006	59740	0.66%	0.027%
314	16.955	16.919	17.004	VV	3003	75727	0.84%	0.034%
315	17.028	17.004	17.050	VV	1000	22845	0.25%	0.010%
316	17.073	17.050	17.094	VV	1000	21348	0.24%	0.010%
317	17.098	17.094	17.116	VV	798	9266	0.10%	0.004%
318	17.126	17.116	17.150	VV	638	10854	0.12%	0.005%
319	17.182	17.150	17.224	VV	991	27600	0.31%	0.012%
320	17.283	17.224	17.307	VV	1467	43197	0.48%	0.019%
321	17.320	17.307	17.331	VV	980	11766	0.13%	0.005%
322	17.393	17.331	17.444	VV	78044	1041143	11.56%	0.468%
323	17.481	17.444	17.549	VV	1631	43529	0.48%	0.020%
324	17.556	17.549	17.582	VV	352	4608	0.05%	0.002%
325	17.605	17.582	17.627	VV	548	8136	0.09%	0.004%
326	17.638	17.627	17.652	PV	174	1735	0.02%	0.001%
327	17.687	17.652	17.701	VV	744	10663	0.12%	0.005%
328	17.749	17.701	17.763	VV	561603	8033492	89.21%	3.612%
329	17.786	17.763	17.955	VV	553870	7597757	84.37%	3.416%
330	18.000	17.955	18.147	VV	501807	7303441	81.10%	3.284%
331	18.167	18.147	18.179	PV	416	3498	0.04%	0.002%

Sum of corrected areas: 222385460

Aromatic EPH 093024.M Wed Oct 23 08:00:31 2024

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

Manual Integration Report

Sequence:	FC100224AL	Instrument	FID_c

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

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

Manual Integration Report

Sequence:	FC102224AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164309BSD	FC067487.D	n-Octacosane (C28)	yogesh	10/23/2024 8:03:21 AM	Ankita	10/23/2024 10:01:04	Peak Integrated by Software
P4456-01	FC067488.D	1-chlorooctadecane (SURR)	yogesh	10/23/2024 8:03:23 AM	Ankita	10/23/2024 10:01:05	Peak Integrated by Software
P4460-03	FC067490.D	1-chlorooctadecane (SURR)	yogesh	10/23/2024 8:03:24 AM	Ankita	10/23/2024 10:01:07	Peak Integrated by Software
P4460-03D	FC067491.D	1-chlorooctadecane (SURR)	yogesh	10/23/2024 8:03:26 AM	Ankita	10/23/2024 10:01:08	Peak Integrated by Software
P4460-03MS	FC067492.D	1-chlorooctadecane (SURR)	yogesh	10/23/2024 8:03:28 AM	Ankita	10/23/2024 10:01:10	Peak Integrated by Software
P4460-03MS	FC067492.D	n-Dodecane (C12)	yogesh	10/23/2024 8:03:28 AM	Ankita	10/23/2024 10:01:10	Peak Integrated by Software
P4460-03MS	FC067492.D	n-Hexacosane (C26)	yogesh	10/23/2024 8:03:28 AM	Ankita	10/23/2024 10:01:10	Peak Integrated by Software
P4460-03MS	FC067492.D	n-Hexatriacontane (C36)	yogesh	10/23/2024 8:03:28 AM	Ankita	10/23/2024 10:01:10	Peak Integrated by Software
P4460-03MS	FC067492.D	n-Tetradecane (C14)	yogesh	10/23/2024 8:03:28 AM	Ankita	10/23/2024 10:01:10	Peak Integrated by Software
P4460-03MSD	FC067493.D	1-chlorooctadecane (SURR)	yogesh	10/23/2024 8:03:30 AM	Ankita	10/23/2024 10:01:11	Peak Integrated by Software
P4460-03MSD	FC067493.D	n-Heneicosane (C21)	yogesh	10/23/2024 8:03:30 AM	Ankita	10/23/2024 10:01:11	Peak Integrated by Software
P4460-03MSD	FC067493.D	n-Tetradecane (C14)	yogesh	10/23/2024 8:03:30 AM	Ankita	10/23/2024 10:01:11	Peak Integrated by Software
P4471-02	FC067495.D	1-chlorooctadecane (SURR)	yogesh	10/23/2024 11:25:14 AM	Ankita	10/24/2024 9:20:12	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC102224AL	Instrument	FID_c

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4456-01DL	FC067500.D	1-chlorooctadecane (SURR)	yogesh	10/24/2024 8:26:50 AM	Ankita	10/24/2024 9:20:13	Peak Integrated by Software
20 PPM ALIPHATIC HC	FC067503.D	n-Tetracontane (C40)	yogesh	10/24/2024 8:26:52 AM	Ankita	10/24/2024 9:20:15	Peak Integrated by Software

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Manual Integration Report

Sequence:	FC102324AL	Instrument	FID_c

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

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

Manual Integration Report

Sequence:	FC102424AL	Instrument	FID_c

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

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

Manual Integration Report

Sequence:	FD093024AR	Instrument	FID_d

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

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

Manual Integration Report

Sequence:	FD102224AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD048547.D	benzo[b]fluoranthene (C30.41)	yogesh	10/23/2024 8:45:26 AM	Ankita	10/23/2024 10:01:32	Peak Integrated by Software
20 PPM AROMATIC HC	FD048547.D	Bnezo[k]fluoranthene (C30.14)	yogesh	10/23/2024 8:45:26 AM	Ankita	10/23/2024 10:01:32	Peak Integrated by Software
20 PPM AROMATIC HC	FD048547.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/23/2024 8:45:26 AM	Ankita	10/23/2024 10:01:32	Peak Integrated by Software
PB164309BS	FD048549.D	Fluoranthene (C21.85)	yogesh	10/23/2024 8:45:28 AM	Ankita	10/23/2024 10:01:34	Peak Integrated by Software
PB164309BSD	FD048550.D	Fluoranthene (C21.85)	yogesh	10/23/2024 8:45:29 AM	Ankita	10/23/2024 10:01:35	Peak Integrated by Software
P4456-01	FD048551.D	ortho-Terphenyl (SURR)	yogesh	10/23/2024 8:45:31 AM	Ankita	10/23/2024 10:01:36	Peak Integrated by Software
P4460-03MS	FD048555.D	Fluoranthene (C21.85)	yogesh	10/23/2024 8:45:32 AM	Ankita	10/23/2024 10:01:38	Peak Integrated by Software
P4460-03MSD	FD048556.D	Fluoranthene (C21.85)	yogesh	10/23/2024 8:45:34 AM	Ankita	10/23/2024 10:01:39	Peak Integrated by Software
P4460-03MSD	FD048556.D	Naphthalene (C11.7)	yogesh	10/23/2024 8:45:34 AM	Ankita	10/23/2024 10:01:39	Peak Integrated by Software
20 PPM AROMATIC HC	FD048560.D	benzo[b]fluoranthene (C30.41)	yogesh	10/23/2024 11:25:21 AM	Ankita	10/24/2024 9:20:32	Peak Integrated by Software
20 PPM AROMATIC HC	FD048560.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/23/2024 11:25:21 AM	Ankita	10/24/2024 9:20:32	Peak Integrated by Software
P4456-01DL	FD048563.D	ortho-Terphenyl (SURR)	yogesh	10/24/2024 8:27:15 AM	Ankita	10/24/2024 9:20:33	Peak Integrated by Software
20 PPM AROMATIC HC	FD048565.D	Dibenz[a,h]anthracene (C30.36)	yogesh	10/24/2024 8:27:16 AM	Ankita	10/24/2024 9:20:35	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD102224AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FD048565.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	10/24/2024 8:27:16 AM	Ankita	10/24/2024 9:20:35	Peak Integrated by Software

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Manual Integration Report

Sequence:	FD102324AR	Instrument	FID_d

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

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

Manual Integration Report

Sequence:	FD102424AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164368BS	FD048580.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	10/25/2024 8:53:59 AM	Ankita	10/25/2024 11:47:12	Peak Integrated by Software
PB164368BS	FD048580.D	Fluoranthene (C21.85)	yogesh	10/25/2024 8:53:59 AM	Ankita	10/25/2024 11:47:12	Peak Integrated by Software
PB164368BSD	FD048581.D	1,2,3-Trimethylbenzene (C10.1)	yogesh	10/25/2024 8:54:00 AM	Ankita	10/25/2024 11:47:13	Peak Integrated by Software
PB164368BSD	FD048581.D	Fluoranthene (C21.85)	yogesh	10/25/2024 8:54:00 AM	Ankita	10/25/2024 11:47:13	Peak Integrated by Software
20 PPM AROMATIC HC	FD048584.D	Benzo[a]pyrene (C31.34)	yogesh	10/25/2024 8:54:02 AM	Ankita	10/25/2024 11:47:15	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC100224AL

Review By	yogesh	Review On	10/1/2024 9:33:02 AM		
Supervise By	Ankita	Supervise On	10/1/2024 10:31:51 AM		
SubDirectory	FC100224AL	HP Acquire Method		HP Processing Method	FC100224AL

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	FC067310.D	30 Sep 2024 09:18	YP/AJ	Ok
2	I.BLK	FC067311.D	30 Sep 2024 09:55	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC067312.D	30 Sep 2024 10:32	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC067313.D	30 Sep 2024 11:10	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC067314.D	30 Sep 2024 11:48	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC067315.D	30 Sep 2024 12:47	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC067316.D	30 Sep 2024 13:35	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC067317.D	30 Sep 2024 14:29	YP/AJ	Ok
9	I.BLK	FC067318.D	30 Sep 2024 15:06	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067319.D	30 Sep 2024 15:49	YP/AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102224AL

Review By	yogesh	Review On	10/22/2024 1:46:45 PM		
Supervise By	Ankita	Supervise On	10/23/2024 10:01:20 AM		
SubDirectory	FC102224AL	HP Acquire Method		HP Processing Method	FC100224AL

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	FC067482.D	22 Oct 2024 10:55	YP/AJ	Ok
2	I.BLK	FC067483.D	22 Oct 2024 11:32	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067484.D	22 Oct 2024 12:09	YP/AJ	Ok
4	PB164309BL	FC067485.D	23 Oct 2024 01:18	YP/AJ	Ok
5	PB164309BS	FC067486.D	23 Oct 2024 01:53	YP/AJ	Ok
6	PB164309BSD	FC067487.D	23 Oct 2024 02:29	YP/AJ	Ok,M
7	P4456-01	FC067488.D	23 Oct 2024 03:05	YP/AJ	Dilution
8	P4460-02	FC067489.D	23 Oct 2024 03:41	YP/AJ	Ok
9	P4460-03	FC067490.D	23 Oct 2024 04:16	YP/AJ	Dilution
10	P4460-03D	FC067491.D	23 Oct 2024 04:52	YP/AJ	Ok,M
11	P4460-03MS	FC067492.D	23 Oct 2024 05:28	YP/AJ	Ok,M
12	P4460-03MSD	FC067493.D	23 Oct 2024 06:04	YP/AJ	Ok,M
13	P4471-01	FC067494.D	23 Oct 2024 06:40	YP/AJ	Ok
14	P4471-02	FC067495.D	23 Oct 2024 07:17	YP/AJ	Ok,M
15	I.BLK	FC067496.D	23 Oct 2024 07:54	YP/AJ	Ok
16	20 PPM ALIPHATIC HC STD	FC067497.D	23 Oct 2024 08:30	YP/AJ	Ok
17	P4473-01	FC067498.D	23 Oct 2024 10:19	YP/AJ	Ok
18	P4474-01	FC067499.D	23 Oct 2024 10:56	YP/AJ	Ok
19	P4456-01DL	FC067500.D	23 Oct 2024 11:33	YP/AJ	Ok,M
20	P4460-03DL	FC067501.D	23 Oct 2024 12:09	YP/AJ	Ok
21	I.BLK	FC067502.D	23 Oct 2024 12:46	YP/AJ	Ok

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102224AL

Review By	yogesh	Review On	10/22/2024 1:46:45 PM		
Supervise By	Ankita	Supervise On	10/23/2024 10:01:20 AM		
SubDirectory	FC102224AL	HP Acquire Method		HP Processing Method	FC100224AL

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	FC067503.D	23 Oct 2024 13:22	YP/AJ	Ok,M

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102324AL

Review By	yogesh	Review On	10/23/2024 4:03:24 PM		
Supervise By	Ankita	Supervise On	10/24/2024 9:29:51 AM		
SubDirectory	FC102324AL	HP Acquire Method		HP Processing Method	FC102324AL

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	FC067504.D	23 Oct 2024 13:59	YP/AJ	Ok
2	I.BLK	FC067505.D	23 Oct 2024 14:35	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC067506.D	23 Oct 2024 15:12	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC067507.D	23 Oct 2024 15:48	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC067508.D	23 Oct 2024 16:25	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC067509.D	23 Oct 2024 17:02	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC067510.D	23 Oct 2024 17:38	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC067511.D	23 Oct 2024 18:14	YP/AJ	Ok
9	I.BLK	FC067512.D	23 Oct 2024 19:27	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC067513.D	23 Oct 2024 20:03	YP/AJ	Ok

M : Manual Integration

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

Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102424AL

Review By	yogesh	Review On	10/24/2024 11:06:37 AM		
Supervise By	Ankita	Supervise On	10/25/2024 11:47:27 AM		
SubDirectory	FC102424AL	HP Acquire Method		HP Processing Method	FC102324AL

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	FC067514.D	24 Oct 2024 09:29	YP/AJ	Ok
2	I.BLK	FC067515.D	24 Oct 2024 10:05	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC067516.D	24 Oct 2024 10:41	YP/AJ	Ok
4	PB164368BL	FC067517.D	24 Oct 2024 11:36	YP/AJ	Ok
5	PB164368BS	FC067518.D	24 Oct 2024 12:12	YP/AJ	Ok
6	PB164368BSD	FC067519.D	24 Oct 2024 12:48	YP/AJ	Ok
7	P4460-06	FC067520.D	24 Oct 2024 13:25	YP/AJ	Ok
8	I.BLK	FC067521.D	24 Oct 2024 14:01	YP/AJ	Ok
9	20 PPM ALIPHATIC HC STD	FC067522.D	24 Oct 2024 14:38	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD093024AR

Review By	yogesh	Review On	9/30/2024 3:32:01 PM		
Supervise By	Ankita	Supervise On	10/1/2024 10:34:21 AM		
SubDirectory	FD093024AR	HP Acquire Method		HP Processing Method	FD093024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048396.D	30 Sep 2024 09:18	YP/AJ	Ok
2	I.BLK	FD048397.D	30 Sep 2024 09:55	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD048398.D	30 Sep 2024 10:32	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD048399.D	30 Sep 2024 11:10	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD048400.D	30 Sep 2024 11:48	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD048401.D	30 Sep 2024 12:47	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD048402.D	30 Sep 2024 13:35	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD048403.D	30 Sep 2024 14:29	YP/AJ	Ok
9	I.BLK	FD048404.D	30 Sep 2024 15:06	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048405.D	30 Sep 2024 15:49	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102224AR

Review By	yogesh	Review On	10/22/2024 1:47:57 PM		
Supervise By	Ankita	Supervise On	10/23/2024 10:01:56 AM		
SubDirectory	FD102224AR	HP Acquire Method		HP Processing Method	FD093024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048545.D	22 Oct 2024 10:55	YP/AJ	Ok
2	I.BLK	FD048546.D	22 Oct 2024 11:32	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048547.D	22 Oct 2024 12:09	YP/AJ	Ok,M
4	PB164309BL	FD048548.D	23 Oct 2024 01:18	YP/AJ	Ok
5	PB164309BS	FD048549.D	23 Oct 2024 01:53	YP/AJ	Ok,M
6	PB164309BSD	FD048550.D	23 Oct 2024 02:29	YP/AJ	Ok,M
7	P4456-01	FD048551.D	23 Oct 2024 03:05	YP/AJ	Dilution
8	P4460-02	FD048552.D	23 Oct 2024 03:41	YP/AJ	Ok
9	P4460-03	FD048553.D	23 Oct 2024 04:16	YP/AJ	Ok
10	P4460-03D	FD048554.D	23 Oct 2024 04:52	YP/AJ	Ok
11	P4460-03MS	FD048555.D	23 Oct 2024 05:28	YP/AJ	Ok,M
12	P4460-03MSD	FD048556.D	23 Oct 2024 06:04	YP/AJ	Ok,M
13	P4471-01	FD048557.D	23 Oct 2024 06:40	YP/AJ	Ok
14	P4471-02	FD048558.D	23 Oct 2024 07:17	YP/AJ	Ok
15	I.BLK	FD048559.D	23 Oct 2024 07:54	YP/AJ	Ok
16	20 PPM AROMATIC HC STD	FD048560.D	23 Oct 2024 08:30	YP/AJ	Ok,M
17	P4473-01	FD048561.D	23 Oct 2024 10:19	YP/AJ	Ok
18	P4474-01	FD048562.D	23 Oct 2024 10:56	YP/AJ	Ok
19	P4456-01DL	FD048563.D	23 Oct 2024 11:33	YP/AJ	Ok,M
20	I.BLK	FD048564.D	23 Oct 2024 12:09	YP/AJ	Ok
21	20 PPM AROMATIC HC STD	FD048565.D	23 Oct 2024 12:46	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102324AR

Review By	yogesh	Review On	10/23/2024 4:04:27 PM		
Supervise By	Ankita	Supervise On	10/24/2024 9:29:45 AM		
SubDirectory	FD102324AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048566.D	23 Oct 2024 13:59	YP/AJ	Ok
2	I.BLK	FD048567.D	23 Oct 2024 14:35	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD048568.D	23 Oct 2024 15:12	YP/AJ	Ok
4	50 PPM AROMATIC HC STD2	FD048569.D	23 Oct 2024 15:48	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD048570.D	23 Oct 2024 16:25	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD048571.D	23 Oct 2024 17:02	YP/AJ	Ok
7	5 PPM AROMATIC HC STD5	FD048572.D	23 Oct 2024 17:38	YP/AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FD048573.D	23 Oct 2024 18:14	YP/AJ	Ok
9	I.BLK	FD048574.D	23 Oct 2024 19:27	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD048575.D	23 Oct 2024 20:03	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102424AR

Review By	yogesh	Review On	10/24/2024 11:08:13 AM		
Supervise By	Ankita	Supervise On	10/25/2024 11:47:19 AM		
SubDirectory	FD102424AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD048576.D	24 Oct 2024 09:29	YP/AJ	Ok
2	I.BLK	FD048577.D	24 Oct 2024 10:05	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD048578.D	24 Oct 2024 10:41	YP/AJ	Ok
4	PB164368BL	FD048579.D	24 Oct 2024 11:36	YP/AJ	Ok
5	PB164368BS	FD048580.D	24 Oct 2024 12:12	YP/AJ	Ok,M
6	PB164368BSD	FD048581.D	24 Oct 2024 12:48	YP/AJ	Ok,M
7	P4460-06	FD048582.D	24 Oct 2024 13:25	YP/AJ	Ok
8	I.BLK	FD048583.D	24 Oct 2024 14:01	YP/AJ	Ok
9	20 PPM AROMATIC HC STD	FD048584.D	24 Oct 2024 14:38	YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC100224AL

Review By	yogesh	Review On	10/1/2024 9:33:02 AM		
Supervise By	Ankita	Supervise On	10/1/2024 10:31:51 AM		
SubDirectory	FC100224AL	HP Acquire Method		HP Processing Method	FC100224AL

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	FC067310.D	30 Sep 2024 09:18		YP/AJ	Ok
2	I.BLK	I.BLK	FC067311.D	30 Sep 2024 09:55		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC067312.D	30 Sep 2024 10:32		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC067313.D	30 Sep 2024 11:10		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067314.D	30 Sep 2024 11:48		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC067315.D	30 Sep 2024 12:47		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC067316.D	30 Sep 2024 13:35		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067317.D	30 Sep 2024 14:29		YP/AJ	Ok
9	I.BLK	I.BLK	FC067318.D	30 Sep 2024 15:06		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067319.D	30 Sep 2024 15:49		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102224AL

Review By	yogesh	Review On	10/22/2024 1:46:45 PM		
Supervise By	Ankita	Supervise On	10/23/2024 10:01:20 AM		
SubDirectory	FC102224AL	HP Acquire Method		HP Processing Method	FC100224AL

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	FC067482.D	22 Oct 2024 10:55		YP/AJ	Ok
2	I.BLK	I.BLK	FC067483.D	22 Oct 2024 11:32		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067484.D	22 Oct 2024 12:09		YP/AJ	Ok
4	PB164309BL	PB164309BL	FC067485.D	23 Oct 2024 01:18		YP/AJ	Ok
5	PB164309BS	PB164309BS	FC067486.D	23 Oct 2024 01:53		YP/AJ	Ok
6	PB164309BSD	PB164309BSD	FC067487.D	23 Oct 2024 02:29		YP/AJ	Ok,M
7	P4456-01	PAD-10182024	FC067488.D	23 Oct 2024 03:05	need 50x dilution	YP/AJ	Dilution
8	P4460-02	WB-303-TOP	FC067489.D	23 Oct 2024 03:41		YP/AJ	Ok
9	P4460-03	WB-303-BOT	FC067490.D	23 Oct 2024 04:16	need 5x dilution	YP/AJ	Dilution
10	P4460-03D	P4460-03D	FC067491.D	23 Oct 2024 04:52		YP/AJ	Ok,M
11	P4460-03MS	WB-303-BOTMS	FC067492.D	23 Oct 2024 05:28	FC067490.D	YP/AJ	Ok,M
12	P4460-03MSD	WB-303-BOTMSD	FC067493.D	23 Oct 2024 06:04	FC067490.D!FC067492.D	YP/AJ	Ok,M
13	P4471-01	B-180-SB01	FC067494.D	23 Oct 2024 06:40		YP/AJ	Ok
14	P4471-02	B-180-SB02	FC067495.D	23 Oct 2024 07:17		YP/AJ	Ok,M
15	I.BLK	I.BLK	FC067496.D	23 Oct 2024 07:54		YP/AJ	Ok
16	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067497.D	23 Oct 2024 08:30		YP/AJ	Ok
17	P4473-01	TS-1	FC067498.D	23 Oct 2024 10:19		YP/AJ	Ok
18	P4474-01	TS-2	FC067499.D	23 Oct 2024 10:56		YP/AJ	Ok

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102224AL

Review By	yogesh	Review On	10/22/2024 1:46:45 PM		
Supervise By	Ankita	Supervise On	10/23/2024 10:01:20 AM		
SubDirectory	FC102224AL	HP Acquire Method		HP Processing Method	FC100224AL

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	P4456-01DL	PAD-10182024DL	FC067500.D	23 Oct 2024 11:33		YP/AJ	Ok,M
20	P4460-03DL	WB-303-BOTDL	FC067501.D	23 Oct 2024 12:09		YP/AJ	Ok
21	I.BLK	I.BLK	FC067502.D	23 Oct 2024 12:46		YP/AJ	Ok
22	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067503.D	23 Oct 2024 13:22		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102324AL

Review By	yogesh	Review On	10/23/2024 4:03:24 PM		
Supervise By	Ankita	Supervise On	10/24/2024 9:29:51 AM		
SubDirectory	FC102324AL	HP Acquire Method		HP Processing Method	FC102324AL

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	FC067504.D	23 Oct 2024 13:59		YP/AJ	Ok
2	I.BLK	I.BLK	FC067505.D	23 Oct 2024 14:35		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC067506.D	23 Oct 2024 15:12		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC067507.D	23 Oct 2024 15:48		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067508.D	23 Oct 2024 16:25		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC067509.D	23 Oct 2024 17:02		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC067510.D	23 Oct 2024 17:38		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067511.D	23 Oct 2024 18:14		YP/AJ	Ok
9	I.BLK	I.BLK	FC067512.D	23 Oct 2024 19:27		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067513.D	23 Oct 2024 20:03		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC102424AL

Review By	yogesh	Review On	10/24/2024 11:06:37 AM		
Supervise By	Ankita	Supervise On	10/25/2024 11:47:27 AM		
SubDirectory	FC102424AL	HP Acquire Method		HP Processing Method	FC102324AL

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	FC067514.D	24 Oct 2024 09:29		YP/AJ	Ok
2	I.BLK	I.BLK	FC067515.D	24 Oct 2024 10:05		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067516.D	24 Oct 2024 10:41		YP/AJ	Ok
4	PB164368BL	PB164368BL	FC067517.D	24 Oct 2024 11:36		YP/AJ	Ok
5	PB164368BS	PB164368BS	FC067518.D	24 Oct 2024 12:12		YP/AJ	Ok
6	PB164368BSD	PB164368BSD	FC067519.D	24 Oct 2024 12:48		YP/AJ	Ok
7	P4460-06	WB-303-SW	FC067520.D	24 Oct 2024 13:25		YP/AJ	Ok
8	I.BLK	I.BLK	FC067521.D	24 Oct 2024 14:01		YP/AJ	Ok
9	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC067522.D	24 Oct 2024 14:38		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD093024AR

Review By	yogesh	Review On	9/30/2024 3:32:01 PM		
Supervise By	Ankita	Supervise On	10/1/2024 10:34:21 AM		
SubDirectory	FD093024AR	HP Acquire Method		HP Processing Method	FD093024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048396.D	30 Sep 2024 09:18		YP/AJ	Ok
2	I.BLK	I.BLK	FD048397.D	30 Sep 2024 09:55		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD048398.D	30 Sep 2024 10:32		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD048399.D	30 Sep 2024 11:10		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048400.D	30 Sep 2024 11:48		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD048401.D	30 Sep 2024 12:47		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD048402.D	30 Sep 2024 13:35		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048403.D	30 Sep 2024 14:29		YP/AJ	Ok
9	I.BLK	I.BLK	FD048404.D	30 Sep 2024 15:06		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048405.D	30 Sep 2024 15:49		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102224AR

Review By	yogesh	Review On	10/22/2024 1:47:57 PM		
Supervise By	Ankita	Supervise On	10/23/2024 10:01:56 AM		
SubDirectory	FD102224AR	HP Acquire Method		HP Processing Method	FD093024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048545.D	22 Oct 2024 10:55		YP/AJ	Ok
2	I.BLK	I.BLK	FD048546.D	22 Oct 2024 11:32		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048547.D	22 Oct 2024 12:09		YP/AJ	Ok,M
4	PB164309BL	PB164309BL	FD048548.D	23 Oct 2024 01:18		YP/AJ	Ok
5	PB164309BS	PB164309BS	FD048549.D	23 Oct 2024 01:53		YP/AJ	Ok,M
6	PB164309BSD	PB164309BSD	FD048550.D	23 Oct 2024 02:29		YP/AJ	Ok,M
7	P4456-01	PAD-10182024	FD048551.D	23 Oct 2024 03:05	need 5x dilution	YP/AJ	Dilution
8	P4460-02	WB-303-TOP	FD048552.D	23 Oct 2024 03:41		YP/AJ	Ok
9	P4460-03	WB-303-BOT	FD048553.D	23 Oct 2024 04:16		YP/AJ	Ok
10	P4460-03D	P4460-03D	FD048554.D	23 Oct 2024 04:52		YP/AJ	Ok
11	P4460-03MS	WB-303-BOTMS	FD048555.D	23 Oct 2024 05:28	FD048553.D	YP/AJ	Ok,M
12	P4460-03MSD	WB-303-BOTMSD	FD048556.D	23 Oct 2024 06:04	FD048553.D!FD048555.D	YP/AJ	Ok,M
13	P4471-01	B-180-SB01	FD048557.D	23 Oct 2024 06:40		YP/AJ	Ok
14	P4471-02	B-180-SB02	FD048558.D	23 Oct 2024 07:17		YP/AJ	Ok
15	I.BLK	I.BLK	FD048559.D	23 Oct 2024 07:54		YP/AJ	Ok
16	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048560.D	23 Oct 2024 08:30		YP/AJ	Ok,M
17	P4473-01	TS-1	FD048561.D	23 Oct 2024 10:19		YP/AJ	Ok
18	P4474-01	TS-2	FD048562.D	23 Oct 2024 10:56		YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102224AR

Review By	yogesh	Review On	10/22/2024 1:47:57 PM		
Supervise By	Ankita	Supervise On	10/23/2024 10:01:56 AM		
SubDirectory	FD102224AR	HP Acquire Method		HP Processing Method	FD093024AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4456-01DL	PAD-10182024DL	FD048563.D	23 Oct 2024 11:33		YP/AJ	Ok,M
20	I.BLK	I.BLK	FD048564.D	23 Oct 2024 12:09		YP/AJ	Ok
21	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048565.D	23 Oct 2024 12:46		YP/AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102324AR

Review By	yogesh	Review On	10/23/2024 4:04:27 PM		
Supervise By	Ankita	Supervise On	10/24/2024 9:29:45 AM		
SubDirectory	FD102324AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048566.D	23 Oct 2024 13:59		YP/AJ	Ok
2	I.BLK	I.BLK	FD048567.D	23 Oct 2024 14:35		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD048568.D	23 Oct 2024 15:12		YP/AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD048569.D	23 Oct 2024 15:48		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048570.D	23 Oct 2024 16:25		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD048571.D	23 Oct 2024 17:02		YP/AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD048572.D	23 Oct 2024 17:38		YP/AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048573.D	23 Oct 2024 18:14		YP/AJ	Ok
9	I.BLK	I.BLK	FD048574.D	23 Oct 2024 19:27		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048575.D	23 Oct 2024 20:03		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD102424AR

Review By	yogesh	Review On	10/24/2024 11:08:13 AM		
Supervise By	Ankita	Supervise On	10/25/2024 11:47:19 AM		
SubDirectory	FD102424AR	HP Acquire Method		HP Processing Method	FD102324AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23429,PP23519,PP23520,PP23521,PP23522
CCC	PP23520
Internal Standard/PEM	
ICV/I.BLK	PP23430,PP23523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD048576.D	24 Oct 2024 09:29		YP/AJ	Ok
2	I.BLK	I.BLK	FD048577.D	24 Oct 2024 10:05		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048578.D	24 Oct 2024 10:41		YP/AJ	Ok
4	PB164368BL	PB164368BL	FD048579.D	24 Oct 2024 11:36		YP/AJ	Ok
5	PB164368BS	PB164368BS	FD048580.D	24 Oct 2024 12:12		YP/AJ	Ok,M
6	PB164368BSD	PB164368BSD	FD048581.D	24 Oct 2024 12:48		YP/AJ	Ok,M
7	P4460-06	WB-303-SW	FD048582.D	24 Oct 2024 13:25		YP/AJ	Ok
8	I.BLK	I.BLK	FD048583.D	24 Oct 2024 14:01		YP/AJ	Ok
9	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD048584.D	24 Oct 2024 14:38		YP/AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164309

12

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/22/2024

Extraction Start Time : 09:40

Extraction End Date : 10/22/2024

Extraction End Time : 16:55

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
Surrogate	1.0ML	100 PPM	PP23706
Fractionation Surrogate	1.0ML	100 PPM	PP23704
Spike Sol 1	1.0ML	100 PPM	PP23712
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	EP2538
Baked Na2SO4	N/A	EP2551
Sand	N/A	E2865
Hexane	N/A	E3819
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/24	RP (Ext. Lab)	Y-P'Pet IPG.
17:00	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164309

Analytical Method: MNJDEP-EPH-7

Concentration Date: 10/22/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164309BL	PB164309BL	EPH	30.02	N/A	ritesh	Evelyn	2			U1-1
PB164309BS	PB164309BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB164309BSD	PB164309BSD	EPH	30.01	N/A	ritesh	Evelyn	2			3
P4456-01	PAD-10182024	EPH	30.04	N/A	ritesh	Evelyn	2	B	Concrete	4
P4460-02	WB-303-TOP	EPH	30.02	N/A	ritesh	Evelyn	2	E		5
P4460-03	WB-303-BOT	EPH	30.05	N/A	ritesh	Evelyn	2	E		6
P4460-03DUP	WB-303-BOTDUP	EPH	30.06	N/A	ritesh	Evelyn	2	E		U5-1
P4460-03MS	WB-303-BOTMS	EPH	30.08	N/A	ritesh	Evelyn	2	E		2
P4460-03MSD	WB-303-BOTMSD	EPH	30.05	N/A	ritesh	Evelyn	2	E		3
P4471-01	B-180-SB01	EPH	30.01	N/A	ritesh	Evelyn	2	E		4
P4471-02	B-180-SB02	EPH	30.06	N/A	ritesh	Evelyn	2	E		5
P4473-01	TS-1	EPH	30.03	N/A	ritesh	Evelyn	2	C		6
P4474-01	TS-2	EPH	30.05	N/A	ritesh	Evelyn	2	V		U6-1

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

10/22/24

166209 9:40

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4456 **WorkList ID :** 184648 **Department :** Extraction **Date :** 10-22-2024 08:18:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4456-01	PAD-10182024	Solid	EPH	Cool 4 deg C	PSEG03	K51	10/18/2024	NJEPH
P4460-02	WB-303-TOP	Solid	EPH	Cool 4 deg C	PORT06	K51	10/18/2024	NJEPH
P4460-03	WB-303-BOT	Solid	EPH	Cool 4 deg C	PORT06	K51	10/18/2024	NJEPH
P4467-01	TP-1	Solid	EPH_NF	Cool 4 deg C	PSEG03	K41	10/21/2024	NJEPH
P4467-02	TP-1-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	K41	10/21/2024	NJEPH
P4468-03	ETGI-329	Solid	EPH_NF	Cool 4 deg C	PSEG03	K51	10/21/2024	NJEPH
P4468-05	ETGI-345	Solid	EPH_NF	Cool 4 deg C	PSEG03	K51	10/21/2024	NJEPH
P4470-01	CL-01-102124	Solid	EPH_NF	Cool 4 deg C	PSEG05	K51	10/21/2024	NJEPH
P4470-02	CL-01-102124-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	K51	10/21/2024	NJEPH
P4471-01	B-180-SB01	Solid	EPH	Cool 4 deg C	PORT06	J61	10/19/2024	NJEPH
P4471-02	B-180-SB02	Solid	EPH	Cool 4 deg C	PORT06	J61	10/20/2024	NJEPH
P4472-01	BP-F-28	Solid	EPH_NF	Cool 4 deg C	PSEG03	K51	10/21/2024	NJEPH
P4472-03	BP-F-28-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	K51	10/21/2024	NJEPH
P4472-05	BP-F-6	Solid	EPH_NF	Cool 4 deg C	PSEG03	K51	10/21/2024	NJEPH
P4472-07	BP-F-6-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	K51	10/21/2024	NJEPH

1434 of 1693

Date/Time 10/22/24 9:35
Raw Sample Received by: RJ (Ext 1057)
Raw Sample Relinquished by: CP

Date/Time 10/22/24 10:00
Raw Sample Received by: CP
Raw Sample Relinquished by: RJ (Ext 1057)

P4460

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4473E **WorkList ID :** 184660 **Department :** Extraction **Date :** 10-22-2024 09:42:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4473-01	TS-1	Solid	EPH	Cool 4 deg C	YANN01	K61	10/18/2024	NJEPH
P4474-01	TS-2	Solid	EPH	Cool 4 deg C	YANN01	K61	10/18/2024	NJEPH

Date/Time 10/22/24 9:42
Raw Sample Received by: RJ (Ext Ice)
Raw Sample Relinquished by:

Date/Time 10/22/24 9:54
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Ext Ice)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164368

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/23/2024
Matrix :	Water			**Extraction Start Time :**	09:49
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	10/23/2024
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	16:50
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	4,6,7	**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	PP23712
Surrogate	1.0ML	100 PPM	PP23706
Fractionation Surrogate	1.0ML	100 PPM	PP23704
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3817
Baked Na2SO4	N/A	EP2546
Hexane	N/A	E3819
6N HCL	N/A	EP2517
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NE VAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/24	RP (Ext. Lab)	Y. P Perf / B3
16:55	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164368

Analytical Method: MNJDEP-EPH-7

Concentration Date: 10/23/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164368BL	PB164368BL	EPH	1000	<2	RUPESH	ritesh	2			SEP-01
PB164368BS	PB164368BS	EPH	1000	<2	RUPESH	ritesh	2			2
PB164368BSD	PB164368BSD	EPH	1000	<2	RUPESH	ritesh	2			3
P4460-06	WB-303-SW	EPH	910	<2	RUPESH	ritesh	2	G		4

10/23/24

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

P4460 10/24 164368

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4460 **WorkList ID :** 184727 **Department :** Extraction **Date :** 10-23-2024 09:44:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4460-06	WB-303-SW	Water	EPH	1:1 HCl to pH < 2	PORT06	K51	10/18/2024	NJEPH
P4460-06	WB-303-SW	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	K51	10/18/2024	8270E

1438 of 1693

Date/Time 10/23/24
Raw Sample Received by: RS (Shel Lab)
Raw Sample Relinquished by: RM SM

Date/Time 10/23/24
Raw Sample Received by: RM SM
Raw Sample Relinquished by: RS (Shel Lab)

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LAB CHRONICLE

OrderID:	P4460	**OrderDate:**	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	**WB-303-TOP**	**SOIL**			**10/18/24**			**10/18/24**
			PCB	8082A		10/21/24	10/21/24	
			EPH	NJEPH		10/22/24	10/23/24	
P4460-03	**WB-303-BOT**	**SOIL**			**10/18/24**			**10/18/24**
			PCB	8082A		10/21/24	10/21/24	
			EPH	NJEPH		10/22/24	10/23/24	
P4460-03DL	**WB-303-BOTDL**	**Solid**			**10/18/24**			**10/18/24**
			EPH	NJEPH		10/22/24	10/23/24	
P4460-06	**WB-303-SW**	**WATER**			**10/18/24**			**10/18/24**
			PCB	8082A		10/23/24	10/23/24	
			EPH	NJEPH		10/23/24	10/24/24	

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Hit Summary Sheet
SW-846

SDG No.: P4460 **Order ID:** P4460

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WB-303-TOP								
P4460-02	WB-303-TOP	SOIL	Aluminum	8830		4.23	8.79	mg/Kg
P4460-02	WB-303-TOP	SOIL	Antimony	2.35	J	0.26	4.39	mg/Kg
P4460-02	WB-303-TOP	SOIL	Arsenic	68.3		0.51	1.76	mg/Kg
P4460-02	WB-303-TOP	SOIL	Barium	124		1.12	8.79	mg/Kg
P4460-02	WB-303-TOP	SOIL	Beryllium	0.72		0.021	0.53	mg/Kg
P4460-02	WB-303-TOP	SOIL	Cadmium	3.74		0.028	0.53	mg/Kg
P4460-02	WB-303-TOP	SOIL	Calcium	2300		4.92	176	mg/Kg
P4460-02	WB-303-TOP	SOIL	Chromium	145		0.095	0.88	mg/Kg
P4460-02	WB-303-TOP	SOIL	Cobalt	10.1		0.10	2.64	mg/Kg
P4460-02	WB-303-TOP	SOIL	Copper	341		0.83	1.76	mg/Kg
P4460-02	WB-303-TOP	SOIL	Iron	21900		4.73	8.79	mg/Kg
P4460-02	WB-303-TOP	SOIL	Lead	306		0.26	1.05	mg/Kg
P4460-02	WB-303-TOP	SOIL	Magnesium	3900		6.03	176	mg/Kg
P4460-02	WB-303-TOP	SOIL	Manganese	189		0.13	1.76	mg/Kg
P4460-02	WB-303-TOP	SOIL	Mercury	7.60	D	0.12	0.27	mg/Kg
P4460-02	WB-303-TOP	SOIL	Nickel	43.2		0.16	3.51	mg/Kg
P4460-02	WB-303-TOP	SOIL	Potassium	1590		50.4	176	mg/Kg
P4460-02	WB-303-TOP	SOIL	Silver	2.29		0.091	0.88	mg/Kg
P4460-02	WB-303-TOP	SOIL	Sodium	2500		63.4	176	mg/Kg
P4460-02	WB-303-TOP	SOIL	Vanadium	24.0		0.47	3.51	mg/Kg
P4460-02	WB-303-TOP	SOIL	Zinc	417		0.19	3.51	mg/Kg
Client ID : WB-303-BOT								
P4460-03	WB-303-BOT	SOIL	Aluminum	7450		2.92	6.06	mg/Kg
P4460-03	WB-303-BOT	SOIL	Arsenic	1.46		0.35	1.21	mg/Kg
P4460-03	WB-303-BOT	SOIL	Barium	26.9		0.78	6.06	mg/Kg
P4460-03	WB-303-BOT	SOIL	Beryllium	0.68		0.015	0.36	mg/Kg
P4460-03	WB-303-BOT	SOIL	Cadmium	2.27		0.019	0.36	mg/Kg
P4460-03	WB-303-BOT	SOIL	Calcium	2810		3.39	121	mg/Kg
P4460-03	WB-303-BOT	SOIL	Chromium	14.6		0.065	0.61	mg/Kg
P4460-03	WB-303-BOT	SOIL	Cobalt	10.5		0.070	1.82	mg/Kg
P4460-03	WB-303-BOT	SOIL	Copper	16.5		0.57	1.21	mg/Kg
P4460-03	WB-303-BOT	SOIL	Iron	18500		3.26	6.06	mg/Kg
P4460-03	WB-303-BOT	SOIL	Lead	9.67		0.18	0.73	mg/Kg
P4460-03	WB-303-BOT	SOIL	Magnesium	4680		4.16	121	mg/Kg
P4460-03	WB-303-BOT	SOIL	Manganese	273		0.086	1.21	mg/Kg
P4460-03	WB-303-BOT	SOIL	Nickel	19.8		0.11	2.42	mg/Kg
P4460-03	WB-303-BOT	SOIL	Potassium	1320		34.8	121	mg/Kg

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

Hit Summary Sheet
SW-846

SDG No.: P4460 **Order ID:** P4460

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4460-03	WB-303-BOT	SOIL	Sodium	1020		43.8	121	mg/Kg
P4460-03	WB-303-BOT	SOIL	Vanadium	18.2		0.33	2.42	mg/Kg
P4460-03	WB-303-BOT	SOIL	Zinc	40.5		0.13	2.42	mg/Kg
Client ID :	**WB-303-SW**							
P4460-06	WB-303-SW	Water	Aluminum	426		28.3	50.0	ug/L
P4460-06	WB-303-SW	Water	Antimony	3.58	J	2.06	25.0	ug/L
P4460-06	WB-303-SW	Water	Barium	28.9	J	6.28	50.0	ug/L
P4460-06	WB-303-SW	Water	Calcium	201000		33.0	1000	ug/L
P4460-06	WB-303-SW	Water	Chromium	2.34	J	0.66	5.00	ug/L
P4460-06	WB-303-SW	Water	Iron	574		18.5	50.0	ug/L
P4460-06	WB-303-SW	Water	Magnesium	704000		39.4	1000	ug/L
P4460-06	WB-303-SW	Water	Manganese	68.4		1.46	10.0	ug/L
P4460-06	WB-303-SW	Water	Nickel	1.58	J	0.85	20.0	ug/L
P4460-06	WB-303-SW	Water	Potassium	468000		685	1000	ug/L
P4460-06	WB-303-SW	Water	Sodium	6160000	D	5930	25000	ug/L
P4460-06	WB-303-SW	Water	Zinc	19.8	J	1.75	20.0	ug/L

SAMPLE DATA

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	51.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8830		1	4.23	8.79	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-36-0	Antimony	2.35	JN	1	0.26	4.39	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-38-2	Arsenic	68.3		1	0.51	1.76	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-39-3	Barium	124	N	1	1.12	8.79	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-41-7	Beryllium	0.72	N	1	0.021	0.53	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-43-9	Cadmium	3.74		1	0.028	0.53	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-70-2	Calcium	2300		1	4.92	176	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-47-3	Chromium	145	N	1	0.095	0.88	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-48-4	Cobalt	10.1	N	1	0.10	2.64	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-50-8	Copper	341	N	1	0.83	1.76	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-89-6	Iron	21900		1	4.73	8.79	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-92-1	Lead	306		1	0.26	1.05	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-95-4	Magnesium	3900		1	6.03	176	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-96-5	Manganese	189		1	0.13	1.76	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7439-97-6	Mercury	7.60	D	10	0.12	0.27	mg/Kg	10/21/24 16:20	10/22/24 13:27	SW7471B	
7440-02-0	Nickel	43.2	N	1	0.16	3.51	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-09-7	Potassium	1590	N	1	50.4	176	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7782-49-2	Selenium	0.58	UN	1	0.58	1.76	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-22-4	Silver	2.29		1	0.091	0.88	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-23-5	Sodium	2500		1	63.4	176	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-28-0	Thallium	0.77	U	1	0.77	3.51	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-62-2	Vanadium	24.0	N	1	0.47	3.51	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050
7440-66-6	Zinc	417	N	1	0.19	3.51	mg/Kg	10/21/24 10:15	10/23/24 17:55	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7450		1	2.92	6.06	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-36-0	Antimony	0.18	UN	1	0.18	3.03	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-38-2	Arsenic	1.46		1	0.35	1.21	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-39-3	Barium	26.9	N	1	0.78	6.06	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-41-7	Beryllium	0.68	N	1	0.015	0.36	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-43-9	Cadmium	2.27		1	0.019	0.36	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-70-2	Calcium	2810		1	3.39	121	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-47-3	Chromium	14.6	N	1	0.065	0.61	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-48-4	Cobalt	10.5	N	1	0.070	1.82	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-50-8	Copper	16.5	N	1	0.57	1.21	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-89-6	Iron	18500		1	3.26	6.06	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-92-1	Lead	9.67		1	0.18	0.73	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-95-4	Magnesium	4680		1	4.16	121	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-96-5	Manganese	273		1	0.086	1.21	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7439-97-6	Mercury	0.0070	U	1	0.0070	0.016	mg/Kg	10/21/24 16:20	10/22/24 12:55	SW7471B	
7440-02-0	Nickel	19.8	N	1	0.11	2.42	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-09-7	Potassium	1320	N	1	34.8	121	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7782-49-2	Selenium	0.40	UN	1	0.40	1.21	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-22-4	Silver	0.063	U	1	0.063	0.61	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-23-5	Sodium	1020		1	43.8	121	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-28-0	Thallium	0.53	U	1	0.53	2.42	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-62-2	Vanadium	18.2	N	1	0.33	2.42	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050
7440-66-6	Zinc	40.5	N	1	0.13	2.42	mg/Kg	10/21/24 10:15	10/23/24 17:59	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	N/A
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	426	N	1	28.3	50.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-36-0	Antimony	3.58	JN	1	2.06	25.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-38-2	Arsenic	3.48	UN	1	3.48	10.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-39-3	Barium	28.9	J	1	6.28	50.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-43-9	Cadmium	0.094	U	1	0.094	3.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-70-2	Calcium	201000		1	33.0	1000	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-47-3	Chromium	2.34	J	1	0.66	5.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-89-6	Iron	574		1	18.5	50.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-95-4	Magnesium	704000		1	39.4	1000	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-96-5	Manganese	68.4		1	1.46	10.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7439-97-6	Mercury	0.081	UN	1	0.081	0.20	ug/L	10/24/24 15:05	10/25/24 12:54	SW7470A	
7440-02-0	Nickel	1.58	J	1	0.85	20.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-09-7	Potassium	468000		1	685	1000	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7782-49-2	Selenium	5.88	UN	1	5.88	10.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-22-4	Silver	0.58	UN	1	0.58	5.00	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-23-5	Sodium	6160000	D	25	5930	25000	ug/L	10/23/24 10:00	11/01/24 18:05	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010
7440-66-6	Zinc	19.8	JN	1	1.75	20.0	ug/L	10/23/24 10:00	10/24/24 19:00	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
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J = Estimated Value
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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB47	Mercury	0.20	+/-0.20	U	0.20	CV	10/22/2024	11:57	LB133043

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB52	Mercury	0.20	+/-0.20	U	0.20	CV	10/22/2024	12:01	LB133043
CCB53	Mercury	0.20	+/-0.20	U	0.20	CV	10/22/2024	12:39	LB133043
CCB54	Mercury	0.20	+/-0.20	U	0.20	CV	10/22/2024	13:07	LB133043
CCB55	Mercury	0.20	+/-0.20	U	0.20	CV	10/22/2024	13:32	LB133043

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB53	Mercury	0.20	+/-0.20	U	0.20	CV	10/25/2024	12:23	LB133129

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB73	Mercury	0.20	+/-0.20	U	0.20	CV	10/25/2024	12:30	LB133129
CCB74	Mercury	0.20	+/-0.20	U	0.20	CV	10/25/2024	13:06	LB133129
CCB75	Mercury	0.20	+/-0.20	U	0.20	CV	10/25/2024	13:32	LB133129

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	10/23/2024	15:16	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	15:16	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	15:16	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	15:16	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	15:16	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	15:16	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	15:16	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	15:16	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	15:16	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	15:16	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	15:16	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	15:16	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	15:16	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	15:16	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	15:16	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	15:16	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	15:16	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	15:16	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	15:16	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	15:16	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	15:16	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	15:16	LB133086

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	10/23/2024	16:02	LB133086
	Antimony	4.83	+/-50.0	J	50.0	P	10/23/2024	16:02	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	16:02	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	16:02	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	16:02	LB133086
	Cadmium	1.78	+/-6.00	J	6.00	P	10/23/2024	16:02	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	16:02	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	16:02	LB133086
	Cobalt	1.85	+/-30.0	J	30.0	P	10/23/2024	16:02	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	16:02	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	16:02	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	16:02	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	16:02	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	16:02	LB133086
	Nickel	1.75	+/-40.0	J	40.0	P	10/23/2024	16:02	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	16:02	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	16:02	LB133086
	Silver	1.20	+/-10.0	J	10.0	P	10/23/2024	16:02	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	16:02	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	16:02	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	16:02	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	16:02	LB133086
CCB02	Aluminum	100	+/-100	U	100	P	10/23/2024	16:52	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	16:52	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	16:52	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	16:52	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	16:52	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	16:52	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	16:52	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	16:52	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	16:52	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	16:52	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	16:52	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	16:52	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	16:52	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	16:52	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	16:52	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	16:52	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	16:52	LB133086

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	10/23/2024	16:52	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	16:52	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	16:52	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	16:52	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	16:52	LB133086
CCB03	Aluminum	100	+/-100	U	100	P	10/23/2024	17:46	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	17:46	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	17:46	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	17:46	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	17:46	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	17:46	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	17:46	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	17:46	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	17:46	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	17:46	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	17:46	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	17:46	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	17:46	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	17:46	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	17:46	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	17:46	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	17:46	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	17:46	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	17:46	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	17:46	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	17:46	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	17:46	LB133086
CCB04	Aluminum	100	+/-100	U	100	P	10/23/2024	18:36	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	18:36	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	18:36	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	18:36	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	18:36	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	18:36	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	18:36	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	18:36	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	18:36	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	18:36	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	18:36	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	18:36	LB133086

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	10/23/2024	18:36	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	18:36	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	18:36	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	18:36	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	18:36	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	18:36	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	18:36	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	18:36	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	18:36	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	18:36	LB133086
CCB05	Aluminum	100	+/-100	U	100	P	10/23/2024	19:28	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	19:28	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	19:28	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	19:28	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	19:28	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	19:28	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	19:28	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	19:28	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	19:28	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	19:28	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	19:28	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	19:28	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	19:28	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	19:28	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	19:28	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	19:28	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	19:28	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	19:28	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	19:28	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	19:28	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	19:28	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	19:28	LB133086
CCB06	Aluminum	100	+/-100	U	100	P	10/23/2024	20:21	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	20:21	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	20:21	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	20:21	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	20:21	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	20:21	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	20:21	LB133086

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	10/23/2024	20:21	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	20:21	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	20:21	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	20:21	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	20:21	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	20:21	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	20:21	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	20:21	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	20:21	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	20:21	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	20:21	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	20:21	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	20:21	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	20:21	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	20:21	LB133086
CCB07	Aluminum	100	+/-100	U	100	P	10/23/2024	21:34	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	21:34	LB133086
	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	21:34	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	21:34	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	21:34	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	21:34	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	21:34	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	21:34	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	21:34	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	21:34	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	21:34	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	21:34	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	21:34	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	21:34	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	21:34	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	21:34	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	21:34	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	21:34	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	21:34	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	21:34	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	21:34	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	21:34	LB133086
CCB08	Aluminum	100	+/-100	U	100	P	10/23/2024	22:25	LB133086
	Antimony	50.0	+/-50.0	U	50.0	P	10/23/2024	22:25	LB133086

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	22:25	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	22:25	LB133086
	Beryllium	6.00	+/-6.00	U	6.00	P	10/23/2024	22:25	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	22:25	LB133086
	Calcium	2000	+/-2000	U	2000	P	10/23/2024	22:25	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	22:25	LB133086
	Cobalt	30.0	+/-30.0	U	30.0	P	10/23/2024	22:25	LB133086
	Copper	20.0	+/-20.0	U	20.0	P	10/23/2024	22:25	LB133086
	Iron	100	+/-100	U	100	P	10/23/2024	22:25	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	22:25	LB133086
	Magnesium	2000	+/-2000	U	2000	P	10/23/2024	22:25	LB133086
	Manganese	20.0	+/-20.0	U	20.0	P	10/23/2024	22:25	LB133086
	Nickel	40.0	+/-40.0	U	40.0	P	10/23/2024	22:25	LB133086
	Potassium	2000	+/-2000	U	2000	P	10/23/2024	22:25	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	22:25	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	22:25	LB133086
	Sodium	2000	+/-2000	U	2000	P	10/23/2024	22:25	LB133086
	Thallium	40.0	+/-40.0	U	40.0	P	10/23/2024	22:25	LB133086
	Vanadium	40.0	+/-40.0	U	40.0	P	10/23/2024	22:25	LB133086
	Zinc	40.0	+/-40.0	U	40.0	P	10/23/2024	22:25	LB133086

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	10/24/2024	13:34	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	13:34	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	13:34	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	13:34	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	13:34	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	13:34	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	13:34	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	13:34	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	13:34	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	13:34	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	13:34	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	13:34	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	13:34	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	13:34	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	13:34	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	13:34	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	13:34	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	13:34	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	13:34	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	13:34	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	13:34	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	13:34	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	10/24/2024	14:11	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	14:11	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	14:11	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	14:11	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	14:11	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	14:11	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	14:11	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	14:11	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	14:11	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	14:11	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	14:11	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	14:11	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	14:11	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	14:11	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	14:11	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	14:11	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	14:11	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	14:11	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	14:11	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	14:11	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	14:11	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	14:11	LB133110
CCB02	Aluminum	100	+/-100	U	100	P	10/24/2024	14:57	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	14:57	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	14:57	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	14:57	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	14:57	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	14:57	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	14:57	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	14:57	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	14:57	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	14:57	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	14:57	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	14:57	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	14:57	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	14:57	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	14:57	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	14:57	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	14:57	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	10/24/2024	14:57	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	14:57	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	14:57	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	14:57	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	14:57	LB133110
CCB03	Aluminum	100	+/-100	U	100	P	10/24/2024	15:12	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	15:12	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	15:12	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	15:12	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	15:12	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	15:12	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	15:12	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	15:12	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	15:12	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	15:12	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	15:12	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	15:12	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	15:12	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	15:12	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	15:12	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	15:12	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	15:12	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	15:12	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	15:12	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	15:12	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	15:12	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	15:12	LB133110
CCB04	Aluminum	100	+/-100	U	100	P	10/24/2024	16:02	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	16:02	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	16:02	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	16:02	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	16:02	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	16:02	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	16:02	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	16:02	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	16:02	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	16:02	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	16:02	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	16:02	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	10/24/2024	16:02	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	16:02	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	16:02	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	16:02	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	16:02	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	16:02	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	16:02	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	16:02	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	16:02	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	16:02	LB133110
CCB05	Aluminum	100	+/-100	U	100	P	10/24/2024	16:59	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	16:59	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	16:59	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	16:59	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	16:59	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	16:59	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	16:59	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	16:59	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	16:59	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	16:59	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	16:59	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	16:59	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	16:59	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	16:59	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	16:59	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	16:59	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	16:59	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	16:59	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	16:59	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	16:59	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	16:59	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	16:59	LB133110
CCB06	Aluminum	100	+/-100	U	100	P	10/24/2024	17:50	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	17:50	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	17:50	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	17:50	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	17:50	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	17:50	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	17:50	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	10/24/2024	17:50	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	17:50	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	17:50	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	17:50	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	17:50	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	17:50	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	17:50	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	17:50	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	17:50	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	17:50	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	17:50	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	17:50	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	17:50	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	17:50	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	17:50	LB133110
CCB07	Aluminum	100	+/-100	U	100	P	10/24/2024	18:41	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	18:41	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	18:41	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	18:41	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	18:41	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	18:41	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	18:41	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	18:41	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	18:41	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	18:41	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	18:41	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	18:41	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	18:41	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	18:41	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	18:41	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	18:41	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	18:41	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	18:41	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	18:41	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	18:41	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	18:41	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	18:41	LB133110
CCB08	Aluminum	100	+/-100	U	100	P	10/24/2024	19:45	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	19:45	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	19:45	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	19:45	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	19:45	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	19:45	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	19:45	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	19:45	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	19:45	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	19:45	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	19:45	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	19:45	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	19:45	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	19:45	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	19:45	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	19:45	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	19:45	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	19:45	LB133110
	Sodium	908	+/-2000	J	2000	P	10/24/2024	19:45	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	19:45	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	19:45	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	19:45	LB133110
CCB09	Aluminum	100	+/-100	U	100	P	10/24/2024	20:36	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	20:36	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	20:36	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	20:36	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	20:36	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	20:36	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	20:36	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	20:36	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	20:36	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	20:36	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	20:36	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	20:36	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	20:36	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	20:36	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	20:36	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	20:36	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	20:36	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	20:36	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	20:36	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	20:36	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	20:36	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	20:36	LB133110
CCB10	Aluminum	100	+/-100	U	100	P	10/24/2024	21:28	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	21:28	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	21:28	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	21:28	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	21:28	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	21:28	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	21:28	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	21:28	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	21:28	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	21:28	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	21:28	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	21:28	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	21:28	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	21:28	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	21:28	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	21:28	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	21:28	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	21:28	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	21:28	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	21:28	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	21:28	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	21:28	LB133110
CCB11	Aluminum	100	+/-100	U	100	P	10/24/2024	22:20	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	22:20	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	22:20	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	22:20	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	22:20	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	22:20	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	22:20	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	22:20	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	22:20	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	22:20	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	22:20	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	22:20	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	22:20	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	22:20	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	22:20	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	22:20	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	22:20	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	22:20	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	22:20	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	22:20	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	22:20	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	22:20	LB133110
CCB12	Aluminum	100	+/-100	U	100	P	10/24/2024	23:13	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/24/2024	23:13	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/24/2024	23:13	LB133110
	Barium	100	+/-100	U	100	P	10/24/2024	23:13	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/24/2024	23:13	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/24/2024	23:13	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/24/2024	23:13	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/24/2024	23:13	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/24/2024	23:13	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/24/2024	23:13	LB133110
	Iron	100	+/-100	U	100	P	10/24/2024	23:13	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/24/2024	23:13	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/24/2024	23:13	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/24/2024	23:13	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/24/2024	23:13	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/24/2024	23:13	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/24/2024	23:13	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	23:13	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/24/2024	23:13	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/24/2024	23:13	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/24/2024	23:13	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/24/2024	23:13	LB133110
CCB13	Aluminum	100	+/-100	U	100	P	10/25/2024	00:02	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/25/2024	00:02	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/25/2024	00:02	LB133110
	Barium	100	+/-100	U	100	P	10/25/2024	00:02	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/25/2024	00:02	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/25/2024	00:02	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/25/2024	00:02	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/25/2024	00:02	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/25/2024	00:02	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB13	Copper	20.0	+/-20.0	U	20.0	P	10/25/2024	00:02	LB133110
	Iron	100	+/-100	U	100	P	10/25/2024	00:02	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/25/2024	00:02	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/25/2024	00:02	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/25/2024	00:02	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/25/2024	00:02	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/25/2024	00:02	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/25/2024	00:02	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	00:02	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/25/2024	00:02	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/25/2024	00:02	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/25/2024	00:02	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/25/2024	00:02	LB133110
CCB14	Aluminum	100	+/-100	U	100	P	10/25/2024	00:56	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/25/2024	00:56	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/25/2024	00:56	LB133110
	Barium	100	+/-100	U	100	P	10/25/2024	00:56	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/25/2024	00:56	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/25/2024	00:56	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/25/2024	00:56	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/25/2024	00:56	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/25/2024	00:56	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/25/2024	00:56	LB133110
	Iron	100	+/-100	U	100	P	10/25/2024	00:56	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/25/2024	00:56	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/25/2024	00:56	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/25/2024	00:56	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/25/2024	00:56	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/25/2024	00:56	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/25/2024	00:56	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	00:56	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/25/2024	00:56	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/25/2024	00:56	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/25/2024	00:56	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/25/2024	00:56	LB133110
CCB15	Aluminum	100	+/-100	U	100	P	10/25/2024	01:50	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/25/2024	01:50	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/25/2024	01:50	LB133110
	Barium	100	+/-100	U	100	P	10/25/2024	01:50	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB15	Beryllium	6.00	+/-6.00	U	6.00	P	10/25/2024	01:50	LB133110
	Cadmium	6.00	+/-6.00	U	6.00	P	10/25/2024	01:50	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/25/2024	01:50	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/25/2024	01:50	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/25/2024	01:50	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/25/2024	01:50	LB133110
	Iron	100	+/-100	U	100	P	10/25/2024	01:50	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/25/2024	01:50	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/25/2024	01:50	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/25/2024	01:50	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/25/2024	01:50	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/25/2024	01:50	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/25/2024	01:50	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	01:50	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/25/2024	01:50	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/25/2024	01:50	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/25/2024	01:50	LB133110
	Zinc	40.0	+/-40.0	U	40.0	P	10/25/2024	01:50	LB133110
CCB16	Aluminum	100	+/-100	U	100	P	10/25/2024	02:48	LB133110
	Antimony	50.0	+/-50.0	U	50.0	P	10/25/2024	02:48	LB133110
	Arsenic	20.0	+/-20.0	U	20.0	P	10/25/2024	02:48	LB133110
	Barium	100	+/-100	U	100	P	10/25/2024	02:48	LB133110
	Beryllium	6.00	+/-6.00	U	6.00	P	10/25/2024	02:48	LB133110
	Cadmium	0.30	+/-6.00	J	6.00	P	10/25/2024	02:48	LB133110
	Calcium	2000	+/-2000	U	2000	P	10/25/2024	02:48	LB133110
	Chromium	10.0	+/-10.0	U	10.0	P	10/25/2024	02:48	LB133110
	Cobalt	30.0	+/-30.0	U	30.0	P	10/25/2024	02:48	LB133110
	Copper	20.0	+/-20.0	U	20.0	P	10/25/2024	02:48	LB133110
	Iron	100	+/-100	U	100	P	10/25/2024	02:48	LB133110
	Lead	12.0	+/-12.0	U	12.0	P	10/25/2024	02:48	LB133110
	Magnesium	2000	+/-2000	U	2000	P	10/25/2024	02:48	LB133110
	Manganese	20.0	+/-20.0	U	20.0	P	10/25/2024	02:48	LB133110
	Nickel	40.0	+/-40.0	U	40.0	P	10/25/2024	02:48	LB133110
	Potassium	2000	+/-2000	U	2000	P	10/25/2024	02:48	LB133110
	Selenium	20.0	+/-20.0	U	20.0	P	10/25/2024	02:48	LB133110
	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	02:48	LB133110
	Sodium	2000	+/-2000	U	2000	P	10/25/2024	02:48	LB133110
	Thallium	40.0	+/-40.0	U	40.0	P	10/25/2024	02:48	LB133110
	Vanadium	40.0	+/-40.0	U	40.0	P	10/25/2024	02:48	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB16	Zinc	40.0	+/-40.0	U	40.0	P	10/25/2024	02:48	LB133110

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	11/01/2024	15:40	LB133257
	Antimony	50.0	+/-50.0	U	50.0	P	11/01/2024	15:40	LB133257
	Arsenic	20.0	+/-20.0	U	20.0	P	11/01/2024	15:40	LB133257
	Barium	100	+/-100	U	100	P	11/01/2024	15:40	LB133257
	Beryllium	6.00	+/-6.00	U	6.00	P	11/01/2024	15:40	LB133257
	Cadmium	6.00	+/-6.00	U	6.00	P	11/01/2024	15:40	LB133257
	Calcium	2000	+/-2000	U	2000	P	11/01/2024	15:40	LB133257
	Chromium	10.0	+/-10.0	U	10.0	P	11/01/2024	15:40	LB133257
	Cobalt	30.0	+/-30.0	U	30.0	P	11/01/2024	15:40	LB133257
	Copper	20.0	+/-20.0	U	20.0	P	11/01/2024	15:40	LB133257
	Iron	100	+/-100	U	100	P	11/01/2024	15:40	LB133257
	Lead	12.0	+/-12.0	U	12.0	P	11/01/2024	15:40	LB133257
	Magnesium	2000	+/-2000	U	2000	P	11/01/2024	15:40	LB133257
	Manganese	20.0	+/-20.0	U	20.0	P	11/01/2024	15:40	LB133257
	Nickel	40.0	+/-40.0	U	40.0	P	11/01/2024	15:40	LB133257
	Potassium	2000	+/-2000	U	2000	P	11/01/2024	15:40	LB133257
	Selenium	20.0	+/-20.0	U	20.0	P	11/01/2024	15:40	LB133257
	Silver	10.0	+/-10.0	U	10.0	P	11/01/2024	15:40	LB133257
	Sodium	2000	+/-2000	U	2000	P	11/01/2024	15:40	LB133257
	Thallium	40.0	+/-40.0	U	40.0	P	11/01/2024	15:40	LB133257
	Vanadium	40.0	+/-40.0	U	40.0	P	11/01/2024	15:40	LB133257
	Zinc	40.0	+/-40.0	U	40.0	P	11/01/2024	15:40	LB133257

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	11/01/2024	16:07	LB133257
	Antimony	50.0	+/-50.0	U	50.0	P	11/01/2024	16:07	LB133257
	Arsenic	20.0	+/-20.0	U	20.0	P	11/01/2024	16:07	LB133257
	Barium	100	+/-100	U	100	P	11/01/2024	16:07	LB133257
	Beryllium	6.00	+/-6.00	U	6.00	P	11/01/2024	16:07	LB133257
	Cadmium	6.00	+/-6.00	U	6.00	P	11/01/2024	16:07	LB133257
	Calcium	2000	+/-2000	U	2000	P	11/01/2024	16:07	LB133257
	Chromium	10.0	+/-10.0	U	10.0	P	11/01/2024	16:07	LB133257
	Cobalt	30.0	+/-30.0	U	30.0	P	11/01/2024	16:07	LB133257
	Copper	20.0	+/-20.0	U	20.0	P	11/01/2024	16:07	LB133257
	Iron	100	+/-100	U	100	P	11/01/2024	16:07	LB133257
	Lead	12.0	+/-12.0	U	12.0	P	11/01/2024	16:07	LB133257
	Magnesium	2000	+/-2000	U	2000	P	11/01/2024	16:07	LB133257
	Manganese	20.0	+/-20.0	U	20.0	P	11/01/2024	16:07	LB133257
	Nickel	40.0	+/-40.0	U	40.0	P	11/01/2024	16:07	LB133257
	Potassium	2000	+/-2000	U	2000	P	11/01/2024	16:07	LB133257
	Selenium	20.0	+/-20.0	U	20.0	P	11/01/2024	16:07	LB133257
	Silver	10.0	+/-10.0	U	10.0	P	11/01/2024	16:07	LB133257
	Sodium	2000	+/-2000	U	2000	P	11/01/2024	16:07	LB133257
	Thallium	40.0	+/-40.0	U	40.0	P	11/01/2024	16:07	LB133257
	Vanadium	40.0	+/-40.0	U	40.0	P	11/01/2024	16:07	LB133257
	Zinc	40.0	+/-40.0	U	40.0	P	11/01/2024	16:07	LB133257
CCB02	Aluminum	100	+/-100	U	100	P	11/01/2024	17:00	LB133257
	Antimony	50.0	+/-50.0	U	50.0	P	11/01/2024	17:00	LB133257
	Arsenic	20.0	+/-20.0	U	20.0	P	11/01/2024	17:00	LB133257
	Barium	100	+/-100	U	100	P	11/01/2024	17:00	LB133257
	Beryllium	6.00	+/-6.00	U	6.00	P	11/01/2024	17:00	LB133257
	Cadmium	6.00	+/-6.00	U	6.00	P	11/01/2024	17:00	LB133257
	Calcium	2000	+/-2000	U	2000	P	11/01/2024	17:00	LB133257
	Chromium	10.0	+/-10.0	U	10.0	P	11/01/2024	17:00	LB133257
	Cobalt	30.0	+/-30.0	U	30.0	P	11/01/2024	17:00	LB133257
	Copper	20.0	+/-20.0	U	20.0	P	11/01/2024	17:00	LB133257
	Iron	100	+/-100	U	100	P	11/01/2024	17:00	LB133257
	Lead	12.0	+/-12.0	U	12.0	P	11/01/2024	17:00	LB133257
	Magnesium	2000	+/-2000	U	2000	P	11/01/2024	17:00	LB133257
	Manganese	20.0	+/-20.0	U	20.0	P	11/01/2024	17:00	LB133257
	Nickel	40.0	+/-40.0	U	40.0	P	11/01/2024	17:00	LB133257
	Potassium	2000	+/-2000	U	2000	P	11/01/2024	17:00	LB133257
	Selenium	20.0	+/-20.0	U	20.0	P	11/01/2024	17:00	LB133257

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	11/01/2024	17:00	LB133257
	Sodium	2000	+/-2000	U	2000	P	11/01/2024	17:00	LB133257
	Thallium	40.0	+/-40.0	U	40.0	P	11/01/2024	17:00	LB133257
	Vanadium	40.0	+/-40.0	U	40.0	P	11/01/2024	17:00	LB133257
	Zinc	40.0	+/-40.0	U	40.0	P	11/01/2024	17:00	LB133257
CCB03	Aluminum	100	+/-100	U	100	P	11/01/2024	18:01	LB133257
	Antimony	50.0	+/-50.0	U	50.0	P	11/01/2024	18:01	LB133257
	Arsenic	20.0	+/-20.0	U	20.0	P	11/01/2024	18:01	LB133257
	Barium	100	+/-100	U	100	P	11/01/2024	18:01	LB133257
	Beryllium	6.00	+/-6.00	U	6.00	P	11/01/2024	18:01	LB133257
	Cadmium	6.00	+/-6.00	U	6.00	P	11/01/2024	18:01	LB133257
	Calcium	2000	+/-2000	U	2000	P	11/01/2024	18:01	LB133257
	Chromium	10.0	+/-10.0	U	10.0	P	11/01/2024	18:01	LB133257
	Cobalt	30.0	+/-30.0	U	30.0	P	11/01/2024	18:01	LB133257
	Copper	20.0	+/-20.0	U	20.0	P	11/01/2024	18:01	LB133257
	Iron	100	+/-100	U	100	P	11/01/2024	18:01	LB133257
	Lead	12.0	+/-12.0	U	12.0	P	11/01/2024	18:01	LB133257
	Magnesium	2000	+/-2000	U	2000	P	11/01/2024	18:01	LB133257
	Manganese	20.0	+/-20.0	U	20.0	P	11/01/2024	18:01	LB133257
	Nickel	40.0	+/-40.0	U	40.0	P	11/01/2024	18:01	LB133257
	Potassium	2000	+/-2000	U	2000	P	11/01/2024	18:01	LB133257
	Selenium	20.0	+/-20.0	U	20.0	P	11/01/2024	18:01	LB133257
	Silver	10.0	+/-10.0	U	10.0	P	11/01/2024	18:01	LB133257
	Sodium	2000	+/-2000	U	2000	P	11/01/2024	18:01	LB133257
	Thallium	40.0	+/-40.0	U	40.0	P	11/01/2024	18:01	LB133257
	Vanadium	40.0	+/-40.0	U	40.0	P	11/01/2024	18:01	LB133257
	Zinc	40.0	+/-40.0	U	40.0	P	11/01/2024	18:01	LB133257
CCB04	Aluminum	100	+/-100	U	100	P	11/01/2024	18:59	LB133257
	Antimony	50.0	+/-50.0	U	50.0	P	11/01/2024	18:59	LB133257
	Arsenic	20.0	+/-20.0	U	20.0	P	11/01/2024	18:59	LB133257
	Barium	100	+/-100	U	100	P	11/01/2024	18:59	LB133257
	Beryllium	6.00	+/-6.00	U	6.00	P	11/01/2024	18:59	LB133257
	Cadmium	6.00	+/-6.00	U	6.00	P	11/01/2024	18:59	LB133257
	Calcium	82.6	+/-2000	J	2000	P	11/01/2024	18:59	LB133257
	Chromium	10.0	+/-10.0	U	10.0	P	11/01/2024	18:59	LB133257
	Cobalt	30.0	+/-30.0	U	30.0	P	11/01/2024	18:59	LB133257
	Copper	20.0	+/-20.0	U	20.0	P	11/01/2024	18:59	LB133257
	Iron	100	+/-100	U	100	P	11/01/2024	18:59	LB133257
	Lead	12.0	+/-12.0	U	12.0	P	11/01/2024	18:59	LB133257

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	11/01/2024	18:59	LB133257
	Manganese	20.0	+/-20.0	U	20.0	P	11/01/2024	18:59	LB133257
	Nickel	40.0	+/-40.0	U	40.0	P	11/01/2024	18:59	LB133257
	Potassium	2000	+/-2000	U	2000	P	11/01/2024	18:59	LB133257
	Selenium	20.0	+/-20.0	U	20.0	P	11/01/2024	18:59	LB133257
	Silver	10.0	+/-10.0	U	10.0	P	11/01/2024	18:59	LB133257
	Sodium	2000	+/-2000	U	2000	P	11/01/2024	18:59	LB133257
	Thallium	40.0	+/-40.0	U	40.0	P	11/01/2024	18:59	LB133257
	Vanadium	40.0	+/-40.0	U	40.0	P	11/01/2024	18:59	LB133257
	Zinc	5.71	+/-40.0	J	40.0	P	11/01/2024	18:59	LB133257
CCB05	Aluminum	100	+/-100	U	100	P	11/01/2024	19:22	LB133257
	Antimony	50.0	+/-50.0	U	50.0	P	11/01/2024	19:22	LB133257
	Arsenic	20.0	+/-20.0	U	20.0	P	11/01/2024	19:22	LB133257
	Barium	100	+/-100	U	100	P	11/01/2024	19:22	LB133257
	Beryllium	6.00	+/-6.00	U	6.00	P	11/01/2024	19:22	LB133257
	Cadmium	6.00	+/-6.00	U	6.00	P	11/01/2024	19:22	LB133257
	Calcium	2000	+/-2000	U	2000	P	11/01/2024	19:22	LB133257
	Chromium	10.0	+/-10.0	U	10.0	P	11/01/2024	19:22	LB133257
	Cobalt	30.0	+/-30.0	U	30.0	P	11/01/2024	19:22	LB133257
	Copper	20.0	+/-20.0	U	20.0	P	11/01/2024	19:22	LB133257
	Iron	100	+/-100	U	100	P	11/01/2024	19:22	LB133257
	Lead	12.0	+/-12.0	U	12.0	P	11/01/2024	19:22	LB133257
	Magnesium	2000	+/-2000	U	2000	P	11/01/2024	19:22	LB133257
	Manganese	20.0	+/-20.0	U	20.0	P	11/01/2024	19:22	LB133257
	Nickel	40.0	+/-40.0	U	40.0	P	11/01/2024	19:22	LB133257
	Potassium	2000	+/-2000	U	2000	P	11/01/2024	19:22	LB133257
	Selenium	20.0	+/-20.0	U	20.0	P	11/01/2024	19:22	LB133257
	Silver	10.0	+/-10.0	U	10.0	P	11/01/2024	19:22	LB133257
	Sodium	2000	+/-2000	U	2000	P	11/01/2024	19:22	LB133257
	Thallium	40.0	+/-40.0	U	40.0	P	11/01/2024	19:22	LB133257
	Vanadium	40.0	+/-40.0	U	40.0	P	11/01/2024	19:22	LB133257
	Zinc	40.0	+/-40.0	U	40.0	P	11/01/2024	19:22	LB133257

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Metals
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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164322BL		**SOLID**		**Batch Number:**	**PB164322**		**Prep Date:**	**10/21/2024**	
	Mercury	0.012	<0.012	U	0.012	CV	10/22/2024	12:13	LB133043

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164407BL		**WATER**		**Batch Number:**	**PB164407**		**Prep Date:**	**10/24/2024**	
	Mercury	0.20	<0.20	U	0.20	CV	10/25/2024	12:42	LB133129

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Metals
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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164289BL		**SOLID**		**Batch Number:**	**PB164289**		**Prep Date:**	**10/21/2024**	
	Aluminum	4.39	<4.39	U	4.39	P	10/24/2024	23:37	LB133110
	Antimony	2.19	<2.19	U	2.19	P	10/24/2024	23:37	LB133110
	Arsenic	0.88	<0.88	U	0.88	P	10/24/2024	23:37	LB133110
	Barium	4.39	<4.39	U	4.39	P	10/24/2024	23:37	LB133110
	Beryllium	0.26	<0.26	U	0.26	P	10/24/2024	23:37	LB133110
	Cadmium	0.26	<0.26	U	0.26	P	10/24/2024	23:37	LB133110
	Calcium	87.7	<87.7	U	87.7	P	10/24/2024	23:37	LB133110
	Chromium	0.44	<0.44	U	0.44	P	10/24/2024	23:37	LB133110
	Cobalt	1.32	<1.32	U	1.32	P	10/24/2024	23:37	LB133110
	Copper	0.88	<0.88	U	0.88	P	10/24/2024	23:37	LB133110
	Iron	4.39	<4.39	U	4.39	P	10/24/2024	23:37	LB133110
	Lead	0.53	<0.53	U	0.53	P	10/24/2024	23:37	LB133110
	Magnesium	87.7	<87.7	U	87.7	P	10/24/2024	23:37	LB133110
	Manganese	0.88	<0.88	U	0.88	P	10/24/2024	23:37	LB133110
	Nickel	1.75	<1.75	U	1.75	P	10/24/2024	23:37	LB133110
	Potassium	87.7	<87.7	U	87.7	P	10/24/2024	23:37	LB133110
	Selenium	0.88	<0.88	U	0.88	P	10/24/2024	23:37	LB133110
	Silver	0.44	<0.44	U	0.44	P	10/24/2024	23:37	LB133110
	Sodium	87.7	<87.7	U	87.7	P	10/24/2024	23:37	LB133110
	Thallium	1.75	<1.75	U	1.75	P	10/24/2024	23:37	LB133110
	Vanadium	1.75	<1.75	U	1.75	P	10/24/2024	23:37	LB133110
	Zinc	1.75	<1.75	U	1.75	P	10/24/2024	23:37	LB133110

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164347BL		**WATER**		**Batch Number:**	**PB164347**		**Prep Date:**	**10/23/2024**	
	Aluminum	50.0	<50.0	U	50.0	P	10/24/2024	19:49	LB133110
	Antimony	25.0	<25.0	U	25.0	P	10/24/2024	19:49	LB133110
	Arsenic	10.0	<10.0	U	10.0	P	10/24/2024	19:49	LB133110
	Barium	50.0	<50.0	U	50.0	P	10/24/2024	19:49	LB133110
	Beryllium	3.00	<3.00	U	3.00	P	10/24/2024	19:49	LB133110
	Cadmium	3.00	<3.00	U	3.00	P	10/24/2024	19:49	LB133110
	Calcium	1000	<1000	U	1000	P	10/24/2024	19:49	LB133110
	Chromium	5.00	<5.00	U	5.00	P	10/24/2024	19:49	LB133110
	Cobalt	15.0	<15.0	U	15.0	P	10/24/2024	19:49	LB133110
	Copper	10.0	<10.0	U	10.0	P	10/24/2024	19:49	LB133110
	Iron	50.0	<50.0	U	50.0	P	10/24/2024	19:49	LB133110
	Lead	6.00	<6.00	U	6.00	P	10/24/2024	19:49	LB133110
	Magnesium	1000	<1000	U	1000	P	10/24/2024	19:49	LB133110
	Manganese	10.0	<10.0	U	10.0	P	10/24/2024	19:49	LB133110
	Nickel	20.0	<20.0	U	20.0	P	10/24/2024	19:49	LB133110

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Metals
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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Instrument: P4

Potassium	1000	<1000	U	1000	P	10/24/2024	19:49	LB133110
Selenium	10.0	<10.0	U	10.0	P	10/24/2024	19:49	LB133110
Silver	5.00	<5.00	U	5.00	P	10/24/2024	19:49	LB133110
Sodium	332	<1000	J	1000	P	10/24/2024	19:49	LB133110
Thallium	20.0	<20.0	U	20.0	P	10/24/2024	19:49	LB133110
Vanadium	20.0	<20.0	U	20.0	P	10/24/2024	19:49	LB133110
Zinc	20.0	<20.0	U	20.0	P	10/24/2024	19:49	LB133110

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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
ICV47	Mercury	4.26	4.0	106	90 - 110	CV	10/22/2024	11:54	LB133043

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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
CCV52	Mercury	5.02	5.0	100	90 - 110	CV	10/22/2024	11:59	LB133043
CCV53	Mercury	5.17	5.0	103	90 - 110	CV	10/22/2024	12:36	LB133043
CCV54	Mercury	5.17	5.0	103	90 - 110	CV	10/22/2024	13:04	LB133043
CCV55	Mercury	5.32	5.0	106	90 - 110	CV	10/22/2024	13:29	LB133043

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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
ICV53	Mercury	4.26	4.0	106	90 - 110	CV	10/25/2024	12:21	LB133129

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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
CCV73	Mercury	5.12	5.0	102	90 - 110	CV	10/25/2024	12:25	LB133129
CCV74	Mercury	4.98	5.0	100	90 - 110	CV	10/25/2024	13:00	LB133129
CCV75	Mercury	5.16	5.0	103	90 - 110	CV	10/25/2024	13:30	LB133129

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	2510	2500	100	90 - 110	P	10/23/2024	14:59	LB133086
	Antimony	1030	1000	103	90 - 110	P	10/23/2024	14:59	LB133086
	Arsenic	998	1000	100	90 - 110	P	10/23/2024	14:59	LB133086
	Barium	501	520	96	90 - 110	P	10/23/2024	14:59	LB133086
	Beryllium	501	510	98	90 - 110	P	10/23/2024	14:59	LB133086
	Cadmium	506	510	99	90 - 110	P	10/23/2024	14:59	LB133086
	Calcium	9910	10000	99	90 - 110	P	10/23/2024	14:59	LB133086
	Chromium	538	520	103	90 - 110	P	10/23/2024	14:59	LB133086
	Cobalt	534	520	103	90 - 110	P	10/23/2024	14:59	LB133086
	Copper	513	510	101	90 - 110	P	10/23/2024	14:59	LB133086
	Iron	10400	10000	104	90 - 110	P	10/23/2024	14:59	LB133086
	Lead	1010	1000	101	90 - 110	P	10/23/2024	14:59	LB133086
	Magnesium	5790	6000	96	90 - 110	P	10/23/2024	14:59	LB133086
	Manganese	510	520	98	90 - 110	P	10/23/2024	14:59	LB133086
	Nickel	535	530	101	90 - 110	P	10/23/2024	14:59	LB133086
	Potassium	10400	9900	105	90 - 110	P	10/23/2024	14:59	LB133086
	Selenium	1020	1000	102	90 - 110	P	10/23/2024	14:59	LB133086
	Silver	256	250	102	90 - 110	P	10/23/2024	14:59	LB133086
	Sodium	10400	10000	104	90 - 110	P	10/23/2024	14:59	LB133086
	Thallium	1040	1000	104	90 - 110	P	10/23/2024	14:59	LB133086
	Vanadium	490	500	98	90 - 110	P	10/23/2024	14:59	LB133086
	Zinc	1050	1000	105	90 - 110	P	10/23/2024	14:59	LB133086

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	97.4	100	97	80 - 120	P	10/23/2024	15:11	LB133086
	Antimony	49.1	50.0	98	80 - 120	P	10/23/2024	15:11	LB133086
	Arsenic	18.8	20.0	94	80 - 120	P	10/23/2024	15:11	LB133086
	Barium	93.0	100	93	80 - 120	P	10/23/2024	15:11	LB133086
	Beryllium	5.70	6.0	95	80 - 120	P	10/23/2024	15:11	LB133086
	Cadmium	5.79	6.0	96	80 - 120	P	10/23/2024	15:11	LB133086
	Calcium	1860	2000	93	80 - 120	P	10/23/2024	15:11	LB133086
	Chromium	10.1	10.0	101	80 - 120	P	10/23/2024	15:11	LB133086
	Cobalt	29.0	30.0	97	80 - 120	P	10/23/2024	15:11	LB133086
	Copper	21.6	20.0	108	80 - 120	P	10/23/2024	15:11	LB133086
	Iron	104	100	104	80 - 120	P	10/23/2024	15:11	LB133086
	Lead	11.9	12.0	99	80 - 120	P	10/23/2024	15:11	LB133086
	Magnesium	1820	2000	91	80 - 120	P	10/23/2024	15:11	LB133086
	Manganese	19.0	20.0	95	80 - 120	P	10/23/2024	15:11	LB133086
	Nickel	38.5	40.0	96	80 - 120	P	10/23/2024	15:11	LB133086
	Potassium	1940	2000	97	80 - 120	P	10/23/2024	15:11	LB133086
	Selenium	20.9	20.0	105	80 - 120	P	10/23/2024	15:11	LB133086
	Silver	10.3	10.0	103	80 - 120	P	10/23/2024	15:11	LB133086
	Sodium	1970	2000	98	80 - 120	P	10/23/2024	15:11	LB133086
	Thallium	37.2	40.0	93	80 - 120	P	10/23/2024	15:11	LB133086
	Vanadium	36.9	40.0	92	80 - 120	P	10/23/2024	15:11	LB133086
	Zinc	42.5	40.0	106	80 - 120	P	10/23/2024	15:11	LB133086

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	9740	10000	97	90 - 110	P	10/23/2024	15:57	LB133086
	Antimony	5040	5000	101	90 - 110	P	10/23/2024	15:57	LB133086
	Arsenic	5090	5000	102	90 - 110	P	10/23/2024	15:57	LB133086
	Barium	9630	10000	96	90 - 110	P	10/23/2024	15:57	LB133086
	Beryllium	243	250	97	90 - 110	P	10/23/2024	15:57	LB133086
	Cadmium	2520	2500	101	90 - 110	P	10/23/2024	15:57	LB133086
	Calcium	24100	25000	96	90 - 110	P	10/23/2024	15:57	LB133086
	Chromium	1010	1000	101	90 - 110	P	10/23/2024	15:57	LB133086
	Cobalt	2480	2500	99	90 - 110	P	10/23/2024	15:57	LB133086
	Copper	1250	1250	100	90 - 110	P	10/23/2024	15:57	LB133086
	Iron	4910	5000	98	90 - 110	P	10/23/2024	15:57	LB133086
	Lead	5020	5000	100	90 - 110	P	10/23/2024	15:57	LB133086
	Magnesium	24100	25000	97	90 - 110	P	10/23/2024	15:57	LB133086
	Manganese	2380	2500	95	90 - 110	P	10/23/2024	15:57	LB133086
	Nickel	2490	2500	99	90 - 110	P	10/23/2024	15:57	LB133086
	Potassium	24900	25000	100	90 - 110	P	10/23/2024	15:57	LB133086
	Selenium	5060	5000	101	90 - 110	P	10/23/2024	15:57	LB133086
	Silver	1250	1250	100	90 - 110	P	10/23/2024	15:57	LB133086
	Sodium	25200	25000	101	90 - 110	P	10/23/2024	15:57	LB133086
	Thallium	5020	5000	100	90 - 110	P	10/23/2024	15:57	LB133086
	Vanadium	2420	2500	97	90 - 110	P	10/23/2024	15:57	LB133086
	Zinc	2520	2500	101	90 - 110	P	10/23/2024	15:57	LB133086
CCV02	Aluminum	9220	10000	92	90 - 110	P	10/23/2024	16:48	LB133086
	Antimony	4780	5000	96	90 - 110	P	10/23/2024	16:48	LB133086
	Arsenic	4840	5000	97	90 - 110	P	10/23/2024	16:48	LB133086
	Barium	9150	10000	92	90 - 110	P	10/23/2024	16:48	LB133086
	Beryllium	231	250	92	90 - 110	P	10/23/2024	16:48	LB133086
	Cadmium	2410	2500	96	90 - 110	P	10/23/2024	16:48	LB133086
	Calcium	22900	25000	92	90 - 110	P	10/23/2024	16:48	LB133086
	Chromium	969	1000	97	90 - 110	P	10/23/2024	16:48	LB133086
	Cobalt	2360	2500	94	90 - 110	P	10/23/2024	16:48	LB133086
	Copper	1180	1250	94	90 - 110	P	10/23/2024	16:48	LB133086
	Iron	4660	5000	93	90 - 110	P	10/23/2024	16:48	LB133086
	Lead	4810	5000	96	90 - 110	P	10/23/2024	16:48	LB133086

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	22800	25000	91	90 - 110	P	10/23/2024	16:48	LB133086
	Manganese	2360	2500	94	90 - 110	P	10/23/2024	16:48	LB133086
	Nickel	2360	2500	94	90 - 110	P	10/23/2024	16:48	LB133086
	Potassium	23700	25000	95	90 - 110	P	10/23/2024	16:48	LB133086
	Selenium	4860	5000	97	90 - 110	P	10/23/2024	16:48	LB133086
	Silver	1200	1250	96	90 - 110	P	10/23/2024	16:48	LB133086
	Sodium	24000	25000	96	90 - 110	P	10/23/2024	16:48	LB133086
	Thallium	5330	5000	107	90 - 110	P	10/23/2024	16:48	LB133086
	Vanadium	2280	2500	91	90 - 110	P	10/23/2024	16:48	LB133086
	Zinc	2410	2500	96	90 - 110	P	10/23/2024	16:48	LB133086
CCV03	Aluminum	9200	10000	92	90 - 110	P	10/23/2024	17:42	LB133086
	Antimony	4800	5000	96	90 - 110	P	10/23/2024	17:42	LB133086
	Arsenic	4880	5000	98	90 - 110	P	10/23/2024	17:42	LB133086
	Barium	9030	10000	90	90 - 110	P	10/23/2024	17:42	LB133086
	Beryllium	233	250	93	90 - 110	P	10/23/2024	17:42	LB133086
	Cadmium	2440	2500	97	90 - 110	P	10/23/2024	17:42	LB133086
	Calcium	22900	25000	92	90 - 110	P	10/23/2024	17:42	LB133086
	Chromium	992	1000	99	90 - 110	P	10/23/2024	17:42	LB133086
	Cobalt	2380	2500	95	90 - 110	P	10/23/2024	17:42	LB133086
	Copper	1190	1250	95	90 - 110	P	10/23/2024	17:42	LB133086
	Iron	4840	5000	97	90 - 110	P	10/23/2024	17:42	LB133086
	Lead	4850	5000	97	90 - 110	P	10/23/2024	17:42	LB133086
	Magnesium	22800	25000	91	90 - 110	P	10/23/2024	17:42	LB133086
	Manganese	2360	2500	94	90 - 110	P	10/23/2024	17:42	LB133086
	Nickel	2380	2500	95	90 - 110	P	10/23/2024	17:42	LB133086
	Potassium	24600	25000	98	90 - 110	P	10/23/2024	17:42	LB133086
	Selenium	4880	5000	98	90 - 110	P	10/23/2024	17:42	LB133086
	Silver	1230	1250	98	90 - 110	P	10/23/2024	17:42	LB133086
	Sodium	24700	25000	99	90 - 110	P	10/23/2024	17:42	LB133086
	Thallium	5440	5000	109	90 - 110	P	10/23/2024	17:42	LB133086
	Vanadium	2280	2500	91	90 - 110	P	10/23/2024	17:42	LB133086
	Zinc	2460	2500	98	90 - 110	P	10/23/2024	17:42	LB133086
CCV04	Aluminum	9450	10000	94	90 - 110	P	10/23/2024	18:32	LB133086
	Antimony	4980	5000	100	90 - 110	P	10/23/2024	18:32	LB133086

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	5070	5000	101	90 - 110	P	10/23/2024	18:32	LB133086
	Barium	9310	10000	93	90 - 110	P	10/23/2024	18:32	LB133086
	Beryllium	240	250	96	90 - 110	P	10/23/2024	18:32	LB133086
	Cadmium	2540	2500	102	90 - 110	P	10/23/2024	18:32	LB133086
	Calcium	23500	25000	94	90 - 110	P	10/23/2024	18:32	LB133086
	Chromium	1020	1000	102	90 - 110	P	10/23/2024	18:32	LB133086
	Cobalt	2500	2500	100	90 - 110	P	10/23/2024	18:32	LB133086
	Copper	1240	1250	99	90 - 110	P	10/23/2024	18:32	LB133086
	Iron	4820	5000	96	90 - 110	P	10/23/2024	18:32	LB133086
	Lead	5080	5000	102	90 - 110	P	10/23/2024	18:32	LB133086
	Magnesium	23300	25000	93	90 - 110	P	10/23/2024	18:32	LB133086
	Manganese	2260	2500	90	90 - 110	P	10/23/2024	18:32	LB133086
	Nickel	2500	2500	100	90 - 110	P	10/23/2024	18:32	LB133086
	Potassium	25000	25000	100	90 - 110	P	10/23/2024	18:32	LB133086
	Selenium	5090	5000	102	90 - 110	P	10/23/2024	18:32	LB133086
	Silver	1250	1250	100	90 - 110	P	10/23/2024	18:32	LB133086
	Sodium	25400	25000	102	90 - 110	P	10/23/2024	18:32	LB133086
	Thallium	5020	5000	100	90 - 110	P	10/23/2024	18:32	LB133086
	Vanadium	2320	2500	93	90 - 110	P	10/23/2024	18:32	LB133086
	Zinc	2500	2500	100	90 - 110	P	10/23/2024	18:32	LB133086
CCV05	Aluminum	9390	10000	94	90 - 110	P	10/23/2024	19:23	LB133086
	Antimony	4850	5000	97	90 - 110	P	10/23/2024	19:23	LB133086
	Arsenic	4920	5000	98	90 - 110	P	10/23/2024	19:23	LB133086
	Barium	9250	10000	92	90 - 110	P	10/23/2024	19:23	LB133086
	Beryllium	237	250	95	90 - 110	P	10/23/2024	19:23	LB133086
	Cadmium	2460	2500	99	90 - 110	P	10/23/2024	19:23	LB133086
	Calcium	23400	25000	94	90 - 110	P	10/23/2024	19:23	LB133086
	Chromium	984	1000	98	90 - 110	P	10/23/2024	19:23	LB133086
	Cobalt	2410	2500	96	90 - 110	P	10/23/2024	19:23	LB133086
	Copper	1200	1250	96	90 - 110	P	10/23/2024	19:23	LB133086
	Iron	4650	5000	93	90 - 110	P	10/23/2024	19:23	LB133086
	Lead	4910	5000	98	90 - 110	P	10/23/2024	19:23	LB133086
	Magnesium	23100	25000	92	90 - 110	P	10/23/2024	19:23	LB133086
	Manganese	2400	2500	96	90 - 110	P	10/23/2024	19:23	LB133086

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	2410	2500	96	90 - 110	P	10/23/2024	19:23	LB133086
	Potassium	24100	25000	97	90 - 110	P	10/23/2024	19:23	LB133086
	Selenium	4910	5000	98	90 - 110	P	10/23/2024	19:23	LB133086
	Silver	1210	1250	97	90 - 110	P	10/23/2024	19:23	LB133086
	Sodium	24400	25000	98	90 - 110	P	10/23/2024	19:23	LB133086
	Thallium	5340	5000	107	90 - 110	P	10/23/2024	19:23	LB133086
	Vanadium	2290	2500	92	90 - 110	P	10/23/2024	19:23	LB133086
	Zinc	2450	2500	98	90 - 110	P	10/23/2024	19:23	LB133086
CCV06	Aluminum	9270	10000	93	90 - 110	P	10/23/2024	20:15	LB133086
	Antimony	4780	5000	96	90 - 110	P	10/23/2024	20:15	LB133086
	Arsenic	4890	5000	98	90 - 110	P	10/23/2024	20:15	LB133086
	Barium	9330	10000	93	90 - 110	P	10/23/2024	20:15	LB133086
	Beryllium	235	250	94	90 - 110	P	10/23/2024	20:15	LB133086
	Cadmium	2470	2500	99	90 - 110	P	10/23/2024	20:15	LB133086
	Calcium	23100	25000	92	90 - 110	P	10/23/2024	20:15	LB133086
	Chromium	989	1000	99	90 - 110	P	10/23/2024	20:15	LB133086
	Cobalt	2420	2500	97	90 - 110	P	10/23/2024	20:15	LB133086
	Copper	1190	1250	95	90 - 110	P	10/23/2024	20:15	LB133086
	Iron	4690	5000	94	90 - 110	P	10/23/2024	20:15	LB133086
	Lead	4910	5000	98	90 - 110	P	10/23/2024	20:15	LB133086
	Magnesium	22600	25000	90	90 - 110	P	10/23/2024	20:15	LB133086
	Manganese	2370	2500	95	90 - 110	P	10/23/2024	20:15	LB133086
	Nickel	2420	2500	97	90 - 110	P	10/23/2024	20:15	LB133086
	Potassium	25000	25000	100	90 - 110	P	10/23/2024	20:15	LB133086
	Selenium	4870	5000	97	90 - 110	P	10/23/2024	20:15	LB133086
	Silver	1220	1250	98	90 - 110	P	10/23/2024	20:15	LB133086
	Sodium	25200	25000	101	90 - 110	P	10/23/2024	20:15	LB133086
	Thallium	5360	5000	107	90 - 110	P	10/23/2024	20:15	LB133086
	Vanadium	2270	2500	91	90 - 110	P	10/23/2024	20:15	LB133086
	Zinc	2410	2500	96	90 - 110	P	10/23/2024	20:15	LB133086
CCV07	Aluminum	9410	10000	94	90 - 110	P	10/23/2024	21:28	LB133086
	Antimony	4720	5000	94	90 - 110	P	10/23/2024	21:28	LB133086
	Arsenic	4820	5000	96	90 - 110	P	10/23/2024	21:28	LB133086
	Barium	9500	10000	95	90 - 110	P	10/23/2024	21:28	LB133086

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	234	250	94	90 - 110	P	10/23/2024	21:28	LB133086
	Cadmium	2420	2500	97	90 - 110	P	10/23/2024	21:28	LB133086
	Calcium	26400	25000	106	90 - 110	P	10/23/2024	21:28	LB133086
	Chromium	952	1000	95	90 - 110	P	10/23/2024	21:28	LB133086
	Cobalt	2360	2500	95	90 - 110	P	10/23/2024	21:28	LB133086
	Copper	1170	1250	94	90 - 110	P	10/23/2024	21:28	LB133086
	Iron	5380	5000	108	90 - 110	P	10/23/2024	21:28	LB133086
	Lead	4820	5000	96	90 - 110	P	10/23/2024	21:28	LB133086
	Magnesium	27300	25000	109	90 - 110	P	10/23/2024	21:28	LB133086
	Manganese	2340	2500	94	90 - 110	P	10/23/2024	21:28	LB133086
	Nickel	2370	2500	95	90 - 110	P	10/23/2024	21:28	LB133086
	Potassium	23400	25000	94	90 - 110	P	10/23/2024	21:28	LB133086
	Selenium	4830	5000	97	90 - 110	P	10/23/2024	21:28	LB133086
	Silver	1170	1250	94	90 - 110	P	10/23/2024	21:28	LB133086
	Sodium	22700	25000	91	90 - 110	P	10/23/2024	21:28	LB133086
	Thallium	5360	5000	107	90 - 110	P	10/23/2024	21:28	LB133086
	Vanadium	2610	2500	104	90 - 110	P	10/23/2024	21:28	LB133086
	Zinc	2290	2500	92	90 - 110	P	10/23/2024	21:28	LB133086
CCV08	Aluminum	9300	10000	93	90 - 110	P	10/23/2024	22:20	LB133086
	Antimony	4690	5000	94	90 - 110	P	10/23/2024	22:20	LB133086
	Arsenic	4800	5000	96	90 - 110	P	10/23/2024	22:20	LB133086
	Barium	9320	10000	93	90 - 110	P	10/23/2024	22:20	LB133086
	Beryllium	256	250	102	90 - 110	P	10/23/2024	22:20	LB133086
	Cadmium	2510	2500	100	90 - 110	P	10/23/2024	22:20	LB133086
	Calcium	24000	25000	96	90 - 110	P	10/23/2024	22:20	LB133086
	Chromium	1010	1000	101	90 - 110	P	10/23/2024	22:20	LB133086
	Cobalt	2440	2500	98	90 - 110	P	10/23/2024	22:20	LB133086
	Copper	1170	1250	94	90 - 110	P	10/23/2024	22:20	LB133086
	Iron	4550	5000	91	90 - 110	P	10/23/2024	22:20	LB133086
	Lead	4980	5000	100	90 - 110	P	10/23/2024	22:20	LB133086
	Magnesium	23800	25000	95	90 - 110	P	10/23/2024	22:20	LB133086
	Manganese	2310	2500	92	90 - 110	P	10/23/2024	22:20	LB133086
	Nickel	2440	2500	97	90 - 110	P	10/23/2024	22:20	LB133086
	Potassium	23500	25000	94	90 - 110	P	10/23/2024	22:20	LB133086

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	4770	5000	96	90 - 110	P	10/23/2024	22:20	LB133086
	Silver	1220	1250	97	90 - 110	P	10/23/2024	22:20	LB133086
	Sodium	23000	25000	92	90 - 110	P	10/23/2024	22:20	LB133086
	Thallium	5470	5000	109	90 - 110	P	10/23/2024	22:20	LB133086
	Vanadium	2310	2500	92	90 - 110	P	10/23/2024	22:20	LB133086
	Zinc	2390	2500	96	90 - 110	P	10/23/2024	22:20	LB133086

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	2480	2500	99	90 - 110	P	10/24/2024	13:26	LB133110
	Antimony	1020	1000	102	90 - 110	P	10/24/2024	13:26	LB133110
	Arsenic	965	1000	96	90 - 110	P	10/24/2024	13:26	LB133110
	Barium	486	520	93	90 - 110	P	10/24/2024	13:26	LB133110
	Beryllium	483	510	95	90 - 110	P	10/24/2024	13:26	LB133110
	Cadmium	481	510	94	90 - 110	P	10/24/2024	13:26	LB133110
	Calcium	9650	10000	96	90 - 110	P	10/24/2024	13:26	LB133110
	Chromium	523	520	101	90 - 110	P	10/24/2024	13:26	LB133110
	Cobalt	520	520	100	90 - 110	P	10/24/2024	13:26	LB133110
	Copper	539	510	106	90 - 110	P	10/24/2024	13:26	LB133110
	Iron	10100	10000	101	90 - 110	P	10/24/2024	13:26	LB133110
	Lead	974	1000	97	90 - 110	P	10/24/2024	13:26	LB133110
	Magnesium	5440	6000	91	90 - 110	P	10/24/2024	13:26	LB133110
	Manganese	490	520	94	90 - 110	P	10/24/2024	13:26	LB133110
	Nickel	523	530	99	90 - 110	P	10/24/2024	13:26	LB133110
	Potassium	10200	9900	102	90 - 110	P	10/24/2024	13:26	LB133110
	Selenium	1000	1000	100	90 - 110	P	10/24/2024	13:26	LB133110
	Silver	264	250	106	90 - 110	P	10/24/2024	13:26	LB133110
	Sodium	9680	10000	97	90 - 110	P	10/24/2024	13:26	LB133110
	Thallium	996	1000	100	90 - 110	P	10/24/2024	13:26	LB133110
	Vanadium	467	500	93	90 - 110	P	10/24/2024	13:26	LB133110
	Zinc	1060	1000	106	90 - 110	P	10/24/2024	13:26	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	98.7	100	99	80 - 120	P	10/24/2024	13:30	LB133110
	Antimony	52.1	50.0	104	80 - 120	P	10/24/2024	13:30	LB133110
	Arsenic	19.0	20.0	95	80 - 120	P	10/24/2024	13:30	LB133110
	Barium	95.8	100	96	80 - 120	P	10/24/2024	13:30	LB133110
	Beryllium	5.72	6.0	95	80 - 120	P	10/24/2024	13:30	LB133110
	Cadmium	5.61	6.0	94	80 - 120	P	10/24/2024	13:30	LB133110
	Calcium	1950	2000	97	80 - 120	P	10/24/2024	13:30	LB133110
	Chromium	10.0	10.0	100	80 - 120	P	10/24/2024	13:30	LB133110
	Cobalt	30.0	30.0	100	80 - 120	P	10/24/2024	13:30	LB133110
	Copper	22.9	20.0	114	80 - 120	P	10/24/2024	13:30	LB133110
	Iron	106	100	106	80 - 120	P	10/24/2024	13:30	LB133110
	Lead	11.6	12.0	96	80 - 120	P	10/24/2024	13:30	LB133110
	Magnesium	1840	2000	92	80 - 120	P	10/24/2024	13:30	LB133110
	Manganese	20.0	20.0	100	80 - 120	P	10/24/2024	13:30	LB133110
	Nickel	39.5	40.0	99	80 - 120	P	10/24/2024	13:30	LB133110
	Potassium	2040	2000	102	80 - 120	P	10/24/2024	13:30	LB133110
	Selenium	19.0	20.0	95	80 - 120	P	10/24/2024	13:30	LB133110
	Silver	11.0	10.0	110	80 - 120	P	10/24/2024	13:30	LB133110
	Sodium	1910	2000	96	80 - 120	P	10/24/2024	13:30	LB133110
	Thallium	39.2	40.0	98	80 - 120	P	10/24/2024	13:30	LB133110
	Vanadium	35.8	40.0	89	80 - 120	P	10/24/2024	13:30	LB133110
	Zinc	45.9	40.0	115	80 - 120	P	10/24/2024	13:30	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	9660	10000	97	90 - 110	P	10/24/2024	14:06	LB133110
	Antimony	4980	5000	100	90 - 110	P	10/24/2024	14:06	LB133110
	Arsenic	4950	5000	99	90 - 110	P	10/24/2024	14:06	LB133110
	Barium	9460	10000	95	90 - 110	P	10/24/2024	14:06	LB133110
	Beryllium	238	250	95	90 - 110	P	10/24/2024	14:06	LB133110
	Cadmium	2440	2500	97	90 - 110	P	10/24/2024	14:06	LB133110
	Calcium	23800	25000	95	90 - 110	P	10/24/2024	14:06	LB133110
	Chromium	968	1000	97	90 - 110	P	10/24/2024	14:06	LB133110
	Cobalt	2440	2500	98	90 - 110	P	10/24/2024	14:06	LB133110
	Copper	1250	1250	100	90 - 110	P	10/24/2024	14:06	LB133110
	Iron	4960	5000	99	90 - 110	P	10/24/2024	14:06	LB133110
	Lead	4900	5000	98	90 - 110	P	10/24/2024	14:06	LB133110
	Magnesium	25700	25000	103	90 - 110	P	10/24/2024	14:06	LB133110
	Manganese	2350	2500	94	90 - 110	P	10/24/2024	14:06	LB133110
	Nickel	2450	2500	98	90 - 110	P	10/24/2024	14:06	LB133110
	Potassium	24900	25000	100	90 - 110	P	10/24/2024	14:06	LB133110
	Selenium	5000	5000	100	90 - 110	P	10/24/2024	14:06	LB133110
	Silver	1250	1250	100	90 - 110	P	10/24/2024	14:06	LB133110
	Sodium	24600	25000	98	90 - 110	P	10/24/2024	14:06	LB133110
	Thallium	4850	5000	97	90 - 110	P	10/24/2024	14:06	LB133110
	Vanadium	2330	2500	93	90 - 110	P	10/24/2024	14:06	LB133110
	Zinc	2520	2500	101	90 - 110	P	10/24/2024	14:06	LB133110
CCV02	Aluminum	9760	10000	98	90 - 110	P	10/24/2024	14:53	LB133110
	Antimony	4950	5000	99	90 - 110	P	10/24/2024	14:53	LB133110
	Arsenic	4890	5000	98	90 - 110	P	10/24/2024	14:53	LB133110
	Barium	9450	10000	94	90 - 110	P	10/24/2024	14:53	LB133110
	Beryllium	234	250	94	90 - 110	P	10/24/2024	14:53	LB133110
	Cadmium	2410	2500	96	90 - 110	P	10/24/2024	14:53	LB133110
	Calcium	23900	25000	96	90 - 110	P	10/24/2024	14:53	LB133110
	Chromium	959	1000	96	90 - 110	P	10/24/2024	14:53	LB133110
	Cobalt	2420	2500	97	90 - 110	P	10/24/2024	14:53	LB133110
	Copper	1240	1250	99	90 - 110	P	10/24/2024	14:53	LB133110
	Iron	4970	5000	99	90 - 110	P	10/24/2024	14:53	LB133110
	Lead	4860	5000	97	90 - 110	P	10/24/2024	14:53	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	25600	25000	102	90 - 110	P	10/24/2024	14:53	LB133110
	Manganese	2340	2500	94	90 - 110	P	10/24/2024	14:53	LB133110
	Nickel	2430	2500	97	90 - 110	P	10/24/2024	14:53	LB133110
	Potassium	25000	25000	100	90 - 110	P	10/24/2024	14:53	LB133110
	Selenium	4950	5000	99	90 - 110	P	10/24/2024	14:53	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	14:53	LB133110
	Sodium	24600	25000	98	90 - 110	P	10/24/2024	14:53	LB133110
	Thallium	4800	5000	96	90 - 110	P	10/24/2024	14:53	LB133110
	Vanadium	2320	2500	93	90 - 110	P	10/24/2024	14:53	LB133110
	Zinc	2510	2500	100	90 - 110	P	10/24/2024	14:53	LB133110
CCV03	Aluminum	9500	10000	95	90 - 110	P	10/24/2024	15:06	LB133110
	Antimony	4930	5000	99	90 - 110	P	10/24/2024	15:06	LB133110
	Arsenic	4880	5000	98	90 - 110	P	10/24/2024	15:06	LB133110
	Barium	9310	10000	93	90 - 110	P	10/24/2024	15:06	LB133110
	Beryllium	228	250	91	90 - 110	P	10/24/2024	15:06	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	15:06	LB133110
	Calcium	23300	25000	93	90 - 110	P	10/24/2024	15:06	LB133110
	Chromium	961	1000	96	90 - 110	P	10/24/2024	15:06	LB133110
	Cobalt	2410	2500	96	90 - 110	P	10/24/2024	15:06	LB133110
	Copper	1230	1250	98	90 - 110	P	10/24/2024	15:06	LB133110
	Iron	5030	5000	101	90 - 110	P	10/24/2024	15:06	LB133110
	Lead	4830	5000	97	90 - 110	P	10/24/2024	15:06	LB133110
	Magnesium	25100	25000	100	90 - 110	P	10/24/2024	15:06	LB133110
	Manganese	2280	2500	91	90 - 110	P	10/24/2024	15:06	LB133110
	Nickel	2420	2500	97	90 - 110	P	10/24/2024	15:06	LB133110
	Potassium	25400	25000	102	90 - 110	P	10/24/2024	15:06	LB133110
	Selenium	4950	5000	99	90 - 110	P	10/24/2024	15:06	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	15:06	LB133110
	Sodium	25200	25000	101	90 - 110	P	10/24/2024	15:06	LB133110
	Thallium	4880	5000	98	90 - 110	P	10/24/2024	15:06	LB133110
	Vanadium	2270	2500	91	90 - 110	P	10/24/2024	15:06	LB133110
	Zinc	2510	2500	100	90 - 110	P	10/24/2024	15:06	LB133110
CCV04	Aluminum	9870	10000	99	90 - 110	P	10/24/2024	15:58	LB133110
	Antimony	5100	5000	102	90 - 110	P	10/24/2024	15:58	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	5050	5000	101	90 - 110	P	10/24/2024	15:58	LB133110
	Barium	9520	10000	95	90 - 110	P	10/24/2024	15:58	LB133110
	Beryllium	233	250	93	90 - 110	P	10/24/2024	15:58	LB133110
	Cadmium	2460	2500	98	90 - 110	P	10/24/2024	15:58	LB133110
	Calcium	23900	25000	96	90 - 110	P	10/24/2024	15:58	LB133110
	Chromium	966	1000	97	90 - 110	P	10/24/2024	15:58	LB133110
	Cobalt	2470	2500	99	90 - 110	P	10/24/2024	15:58	LB133110
	Copper	1270	1250	102	90 - 110	P	10/24/2024	15:58	LB133110
	Iron	4970	5000	100	90 - 110	P	10/24/2024	15:58	LB133110
	Lead	4960	5000	99	90 - 110	P	10/24/2024	15:58	LB133110
	Magnesium	22600	25000	90	90 - 110	P	10/24/2024	15:58	LB133110
	Manganese	2320	2500	93	90 - 110	P	10/24/2024	15:58	LB133110
	Nickel	2480	2500	99	90 - 110	P	10/24/2024	15:58	LB133110
	Potassium	25600	25000	102	90 - 110	P	10/24/2024	15:58	LB133110
	Selenium	5140	5000	103	90 - 110	P	10/24/2024	15:58	LB133110
	Silver	1260	1250	100	90 - 110	P	10/24/2024	15:58	LB133110
	Sodium	25300	25000	101	90 - 110	P	10/24/2024	15:58	LB133110
	Thallium	5000	5000	100	90 - 110	P	10/24/2024	15:58	LB133110
	Vanadium	2310	2500	92	90 - 110	P	10/24/2024	15:58	LB133110
	Zinc	2550	2500	102	90 - 110	P	10/24/2024	15:58	LB133110
CCV05	Aluminum	9590	10000	96	90 - 110	P	10/24/2024	16:55	LB133110
	Antimony	4920	5000	98	90 - 110	P	10/24/2024	16:55	LB133110
	Arsenic	4920	5000	98	90 - 110	P	10/24/2024	16:55	LB133110
	Barium	9440	10000	94	90 - 110	P	10/24/2024	16:55	LB133110
	Beryllium	236	250	94	90 - 110	P	10/24/2024	16:55	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	16:55	LB133110
	Calcium	23400	25000	94	90 - 110	P	10/24/2024	16:55	LB133110
	Chromium	945	1000	94	90 - 110	P	10/24/2024	16:55	LB133110
	Cobalt	2410	2500	96	90 - 110	P	10/24/2024	16:55	LB133110
	Copper	1230	1250	98	90 - 110	P	10/24/2024	16:55	LB133110
	Iron	4690	5000	94	90 - 110	P	10/24/2024	16:55	LB133110
	Lead	4840	5000	97	90 - 110	P	10/24/2024	16:55	LB133110
	Magnesium	26700	25000	107	90 - 110	P	10/24/2024	16:55	LB133110
	Manganese	2360	2500	94	90 - 110	P	10/24/2024	16:55	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	2420	2500	97	90 - 110	P	10/24/2024	16:55	LB133110
	Potassium	25500	25000	102	90 - 110	P	10/24/2024	16:55	LB133110
	Selenium	5040	5000	101	90 - 110	P	10/24/2024	16:55	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	16:55	LB133110
	Sodium	24300	25000	97	90 - 110	P	10/24/2024	16:55	LB133110
	Thallium	5380	5000	108	90 - 110	P	10/24/2024	16:55	LB133110
	Vanadium	2570	2500	103	90 - 110	P	10/24/2024	16:55	LB133110
	Zinc	2470	2500	99	90 - 110	P	10/24/2024	16:55	LB133110
CCV06	Aluminum	9670	10000	97	90 - 110	P	10/24/2024	17:46	LB133110
	Antimony	5050	5000	101	90 - 110	P	10/24/2024	17:46	LB133110
	Arsenic	5050	5000	101	90 - 110	P	10/24/2024	17:46	LB133110
	Barium	9490	10000	95	90 - 110	P	10/24/2024	17:46	LB133110
	Beryllium	237	250	95	90 - 110	P	10/24/2024	17:46	LB133110
	Cadmium	2440	2500	98	90 - 110	P	10/24/2024	17:46	LB133110
	Calcium	23400	25000	94	90 - 110	P	10/24/2024	17:46	LB133110
	Chromium	944	1000	94	90 - 110	P	10/24/2024	17:46	LB133110
	Cobalt	2450	2500	98	90 - 110	P	10/24/2024	17:46	LB133110
	Copper	1260	1250	101	90 - 110	P	10/24/2024	17:46	LB133110
	Iron	4660	5000	93	90 - 110	P	10/24/2024	17:46	LB133110
	Lead	4920	5000	98	90 - 110	P	10/24/2024	17:46	LB133110
	Magnesium	24800	25000	99	90 - 110	P	10/24/2024	17:46	LB133110
	Manganese	2400	2500	96	90 - 110	P	10/24/2024	17:46	LB133110
	Nickel	2470	2500	99	90 - 110	P	10/24/2024	17:46	LB133110
	Potassium	25700	25000	103	90 - 110	P	10/24/2024	17:46	LB133110
	Selenium	5170	5000	103	90 - 110	P	10/24/2024	17:46	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	17:46	LB133110
	Sodium	24700	25000	99	90 - 110	P	10/24/2024	17:46	LB133110
	Thallium	5400	5000	108	90 - 110	P	10/24/2024	17:46	LB133110
	Vanadium	2610	2500	104	90 - 110	P	10/24/2024	17:46	LB133110
	Zinc	2480	2500	99	90 - 110	P	10/24/2024	17:46	LB133110
CCV07	Aluminum	9420	10000	94	90 - 110	P	10/24/2024	18:37	LB133110
	Antimony	4950	5000	99	90 - 110	P	10/24/2024	18:37	LB133110
	Arsenic	4930	5000	99	90 - 110	P	10/24/2024	18:37	LB133110
	Barium	9240	10000	92	90 - 110	P	10/24/2024	18:37	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	236	250	94	90 - 110	P	10/24/2024	18:37	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	18:37	LB133110
	Calcium	23000	25000	92	90 - 110	P	10/24/2024	18:37	LB133110
	Chromium	935	1000	94	90 - 110	P	10/24/2024	18:37	LB133110
	Cobalt	2410	2500	96	90 - 110	P	10/24/2024	18:37	LB133110
	Copper	1230	1250	99	90 - 110	P	10/24/2024	18:37	LB133110
	Iron	4600	5000	92	90 - 110	P	10/24/2024	18:37	LB133110
	Lead	4840	5000	97	90 - 110	P	10/24/2024	18:37	LB133110
	Magnesium	24600	25000	98	90 - 110	P	10/24/2024	18:37	LB133110
	Manganese	2380	2500	95	90 - 110	P	10/24/2024	18:37	LB133110
	Nickel	2430	2500	97	90 - 110	P	10/24/2024	18:37	LB133110
	Potassium	25600	25000	102	90 - 110	P	10/24/2024	18:37	LB133110
	Selenium	5050	5000	101	90 - 110	P	10/24/2024	18:37	LB133110
	Silver	1230	1250	98	90 - 110	P	10/24/2024	18:37	LB133110
	Sodium	24400	25000	98	90 - 110	P	10/24/2024	18:37	LB133110
	Thallium	5340	5000	107	90 - 110	P	10/24/2024	18:37	LB133110
	Vanadium	2560	2500	102	90 - 110	P	10/24/2024	18:37	LB133110
	Zinc	2470	2500	99	90 - 110	P	10/24/2024	18:37	LB133110
CCV08	Aluminum	9530	10000	95	90 - 110	P	10/24/2024	19:32	LB133110
	Antimony	5020	5000	100	90 - 110	P	10/24/2024	19:32	LB133110
	Arsenic	4960	5000	99	90 - 110	P	10/24/2024	19:32	LB133110
	Barium	9320	10000	93	90 - 110	P	10/24/2024	19:32	LB133110
	Beryllium	245	250	98	90 - 110	P	10/24/2024	19:32	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	19:32	LB133110
	Calcium	23200	25000	93	90 - 110	P	10/24/2024	19:32	LB133110
	Chromium	947	1000	95	90 - 110	P	10/24/2024	19:32	LB133110
	Cobalt	2420	2500	97	90 - 110	P	10/24/2024	19:32	LB133110
	Copper	1240	1250	99	90 - 110	P	10/24/2024	19:32	LB133110
	Iron	4760	5000	95	90 - 110	P	10/24/2024	19:32	LB133110
	Lead	4860	5000	97	90 - 110	P	10/24/2024	19:32	LB133110
	Magnesium	25000	25000	100	90 - 110	P	10/24/2024	19:32	LB133110
	Manganese	2440	2500	98	90 - 110	P	10/24/2024	19:32	LB133110
	Nickel	2430	2500	97	90 - 110	P	10/24/2024	19:32	LB133110
	Potassium	27200	25000	109	90 - 110	P	10/24/2024	19:32	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	5120	5000	102	90 - 110	P	10/24/2024	19:32	LB133110
	Silver	1260	1250	101	90 - 110	P	10/24/2024	19:32	LB133110
	Sodium	25300	25000	101	90 - 110	P	10/24/2024	19:32	LB133110
	Thallium	5330	5000	107	90 - 110	P	10/24/2024	19:32	LB133110
	Vanadium	2610	2500	105	90 - 110	P	10/24/2024	19:32	LB133110
	Zinc	2530	2500	101	90 - 110	P	10/24/2024	19:32	LB133110
CCV09	Aluminum	9530	10000	95	90 - 110	P	10/24/2024	20:31	LB133110
	Antimony	4960	5000	99	90 - 110	P	10/24/2024	20:31	LB133110
	Arsenic	4950	5000	99	90 - 110	P	10/24/2024	20:31	LB133110
	Barium	9150	10000	92	90 - 110	P	10/24/2024	20:31	LB133110
	Beryllium	238	250	95	90 - 110	P	10/24/2024	20:31	LB133110
	Cadmium	2380	2500	95	90 - 110	P	10/24/2024	20:31	LB133110
	Calcium	22800	25000	91	90 - 110	P	10/24/2024	20:31	LB133110
	Chromium	920	1000	92	90 - 110	P	10/24/2024	20:31	LB133110
	Cobalt	2390	2500	96	90 - 110	P	10/24/2024	20:31	LB133110
	Copper	1230	1250	98	90 - 110	P	10/24/2024	20:31	LB133110
	Iron	4550	5000	91	90 - 110	P	10/24/2024	20:31	LB133110
	Lead	4810	5000	96	90 - 110	P	10/24/2024	20:31	LB133110
	Magnesium	24700	25000	99	90 - 110	P	10/24/2024	20:31	LB133110
	Manganese	2420	2500	97	90 - 110	P	10/24/2024	20:31	LB133110
	Nickel	2410	2500	96	90 - 110	P	10/24/2024	20:31	LB133110
	Potassium	25500	25000	102	90 - 110	P	10/24/2024	20:31	LB133110
	Selenium	5090	5000	102	90 - 110	P	10/24/2024	20:31	LB133110
	Silver	1220	1250	98	90 - 110	P	10/24/2024	20:31	LB133110
	Sodium	23000	25000	92	90 - 110	P	10/24/2024	20:31	LB133110
	Thallium	5280	5000	106	90 - 110	P	10/24/2024	20:31	LB133110
	Vanadium	2690	2500	108	90 - 110	P	10/24/2024	20:31	LB133110
	Zinc	2450	2500	98	90 - 110	P	10/24/2024	20:31	LB133110
CCV10	Aluminum	9590	10000	96	90 - 110	P	10/24/2024	21:22	LB133110
	Antimony	5110	5000	102	90 - 110	P	10/24/2024	21:22	LB133110
	Arsenic	5070	5000	101	90 - 110	P	10/24/2024	21:22	LB133110
	Barium	9340	10000	93	90 - 110	P	10/24/2024	21:22	LB133110
	Beryllium	241	250	96	90 - 110	P	10/24/2024	21:22	LB133110
	Cadmium	2460	2500	98	90 - 110	P	10/24/2024	21:22	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	23300	25000	93	90 - 110	P	10/24/2024	21:22	LB133110
	Chromium	943	1000	94	90 - 110	P	10/24/2024	21:22	LB133110
	Cobalt	2470	2500	99	90 - 110	P	10/24/2024	21:22	LB133110
	Copper	1260	1250	101	90 - 110	P	10/24/2024	21:22	LB133110
	Iron	4630	5000	93	90 - 110	P	10/24/2024	21:22	LB133110
	Lead	4950	5000	99	90 - 110	P	10/24/2024	21:22	LB133110
	Magnesium	25400	25000	102	90 - 110	P	10/24/2024	21:22	LB133110
	Manganese	2480	2500	99	90 - 110	P	10/24/2024	21:22	LB133110
	Nickel	2490	2500	99	90 - 110	P	10/24/2024	21:22	LB133110
	Potassium	26100	25000	104	90 - 110	P	10/24/2024	21:22	LB133110
	Selenium	5190	5000	104	90 - 110	P	10/24/2024	21:22	LB133110
	Silver	1240	1250	99	90 - 110	P	10/24/2024	21:22	LB133110
	Sodium	23800	25000	95	90 - 110	P	10/24/2024	21:22	LB133110
	Thallium	5340	5000	107	90 - 110	P	10/24/2024	21:22	LB133110
	Vanadium	2670	2500	107	90 - 110	P	10/24/2024	21:22	LB133110
	Zinc	2510	2500	100	90 - 110	P	10/24/2024	21:22	LB133110
CCV11	Aluminum	10300	10000	103	90 - 110	P	10/24/2024	22:15	LB133110
	Antimony	5360	5000	107	90 - 110	P	10/24/2024	22:15	LB133110
	Arsenic	5320	5000	106	90 - 110	P	10/24/2024	22:15	LB133110
	Barium	10100	10000	101	90 - 110	P	10/24/2024	22:15	LB133110
	Beryllium	256	250	102	90 - 110	P	10/24/2024	22:15	LB133110
	Cadmium	2570	2500	103	90 - 110	P	10/24/2024	22:15	LB133110
	Calcium	25000	25000	100	90 - 110	P	10/24/2024	22:15	LB133110
	Chromium	995	1000	100	90 - 110	P	10/24/2024	22:15	LB133110
	Cobalt	2590	2500	103	90 - 110	P	10/24/2024	22:15	LB133110
	Copper	1330	1250	106	90 - 110	P	10/24/2024	22:15	LB133110
	Iron	4890	5000	98	90 - 110	P	10/24/2024	22:15	LB133110
	Lead	5170	5000	103	90 - 110	P	10/24/2024	22:15	LB133110
	Magnesium	23500	25000	94	90 - 110	P	10/24/2024	22:15	LB133110
	Manganese	2410	2500	96	90 - 110	P	10/24/2024	22:15	LB133110
	Nickel	2610	2500	104	90 - 110	P	10/24/2024	22:15	LB133110
	Potassium	25100	25000	100	90 - 110	P	10/24/2024	22:15	LB133110
	Selenium	5440	5000	109	90 - 110	P	10/24/2024	22:15	LB133110
	Silver	1300	1250	104	90 - 110	P	10/24/2024	22:15	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV11	Sodium	23100	25000	93	90 - 110	P	10/24/2024	22:15	LB133110
	Thallium	5040	5000	101	90 - 110	P	10/24/2024	22:15	LB133110
	Vanadium	2400	2500	96	90 - 110	P	10/24/2024	22:15	LB133110
	Zinc	2640	2500	106	90 - 110	P	10/24/2024	22:15	LB133110
CCV12	Aluminum	9530	10000	95	90 - 110	P	10/24/2024	23:09	LB133110
	Antimony	5030	5000	101	90 - 110	P	10/24/2024	23:09	LB133110
	Arsenic	4970	5000	100	90 - 110	P	10/24/2024	23:09	LB133110
	Barium	9220	10000	92	90 - 110	P	10/24/2024	23:09	LB133110
	Beryllium	237	250	95	90 - 110	P	10/24/2024	23:09	LB133110
	Cadmium	2400	2500	96	90 - 110	P	10/24/2024	23:09	LB133110
	Calcium	23100	25000	92	90 - 110	P	10/24/2024	23:09	LB133110
	Chromium	921	1000	92	90 - 110	P	10/24/2024	23:09	LB133110
	Cobalt	2410	2500	96	90 - 110	P	10/24/2024	23:09	LB133110
	Copper	1230	1250	99	90 - 110	P	10/24/2024	23:09	LB133110
	Iron	4550	5000	91	90 - 110	P	10/24/2024	23:09	LB133110
	Lead	4840	5000	97	90 - 110	P	10/24/2024	23:09	LB133110
	Magnesium	25400	25000	102	90 - 110	P	10/24/2024	23:09	LB133110
	Manganese	2480	2500	99	90 - 110	P	10/24/2024	23:09	LB133110
	Nickel	2430	2500	97	90 - 110	P	10/24/2024	23:09	LB133110
	Potassium	25600	25000	102	90 - 110	P	10/24/2024	23:09	LB133110
	Selenium	5120	5000	102	90 - 110	P	10/24/2024	23:09	LB133110
	Silver	1220	1250	98	90 - 110	P	10/24/2024	23:09	LB133110
	Sodium	23400	25000	94	90 - 110	P	10/24/2024	23:09	LB133110
	Thallium	5340	5000	107	90 - 110	P	10/24/2024	23:09	LB133110
	Vanadium	2640	2500	106	90 - 110	P	10/24/2024	23:09	LB133110
	Zinc	2470	2500	99	90 - 110	P	10/24/2024	23:09	LB133110
CCV13	Aluminum	9320	10000	93	90 - 110	P	10/24/2024	23:58	LB133110
	Antimony	4910	5000	98	90 - 110	P	10/24/2024	23:58	LB133110
	Arsenic	4850	5000	97	90 - 110	P	10/24/2024	23:58	LB133110
	Barium	9180	10000	92	90 - 110	P	10/24/2024	23:58	LB133110
	Beryllium	228	250	91	90 - 110	P	10/24/2024	23:58	LB133110
	Cadmium	2300	2500	92	90 - 110	P	10/24/2024	23:58	LB133110
	Calcium	27200	25000	109	90 - 110	P	10/24/2024	23:58	LB133110
	Chromium	903	1000	90	90 - 110	P	10/24/2024	23:58	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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
CCV13	Cobalt	2320	2500	93	90 - 110	P	10/24/2024	23:58	LB133110
	Copper	1200	1250	96	90 - 110	P	10/24/2024	23:58	LB133110
	Iron	5460	5000	109	90 - 110	P	10/24/2024	23:58	LB133110
	Lead	4660	5000	93	90 - 110	P	10/24/2024	23:58	LB133110
	Magnesium	24500	25000	98	90 - 110	P	10/24/2024	23:58	LB133110
	Manganese	2670	2500	107	90 - 110	P	10/24/2024	23:58	LB133110
	Nickel	2340	2500	94	90 - 110	P	10/24/2024	23:58	LB133110
	Potassium	25300	25000	101	90 - 110	P	10/24/2024	23:58	LB133110
	Selenium	5010	5000	100	90 - 110	P	10/24/2024	23:58	LB133110
	Silver	1180	1250	95	90 - 110	P	10/24/2024	23:58	LB133110
	Sodium	23200	25000	93	90 - 110	P	10/24/2024	23:58	LB133110
	Thallium	5100	5000	102	90 - 110	P	10/24/2024	23:58	LB133110
	Vanadium	2670	2500	107	90 - 110	P	10/24/2024	23:58	LB133110
	Zinc	2400	2500	96	90 - 110	P	10/24/2024	23:58	LB133110
CCV14	Aluminum	9700	10000	97	90 - 110	P	10/25/2024	00:52	LB133110
	Antimony	5110	5000	102	90 - 110	P	10/25/2024	00:52	LB133110
	Arsenic	5070	5000	101	90 - 110	P	10/25/2024	00:52	LB133110
	Barium	9300	10000	93	90 - 110	P	10/25/2024	00:52	LB133110
	Beryllium	241	250	96	90 - 110	P	10/25/2024	00:52	LB133110
	Cadmium	2430	2500	97	90 - 110	P	10/25/2024	00:52	LB133110
	Calcium	23500	25000	94	90 - 110	P	10/25/2024	00:52	LB133110
	Chromium	927	1000	93	90 - 110	P	10/25/2024	00:52	LB133110
	Cobalt	2440	2500	98	90 - 110	P	10/25/2024	00:52	LB133110
	Copper	1260	1250	101	90 - 110	P	10/25/2024	00:52	LB133110
	Iron	4600	5000	92	90 - 110	P	10/25/2024	00:52	LB133110
	Lead	4900	5000	98	90 - 110	P	10/25/2024	00:52	LB133110
	Magnesium	25700	25000	103	90 - 110	P	10/25/2024	00:52	LB133110
	Manganese	2520	2500	101	90 - 110	P	10/25/2024	00:52	LB133110
	Nickel	2470	2500	99	90 - 110	P	10/25/2024	00:52	LB133110
	Potassium	25800	25000	103	90 - 110	P	10/25/2024	00:52	LB133110
	Selenium	5210	5000	104	90 - 110	P	10/25/2024	00:52	LB133110
	Silver	1230	1250	99	90 - 110	P	10/25/2024	00:52	LB133110
	Sodium	23200	25000	93	90 - 110	P	10/25/2024	00:52	LB133110
	Thallium	5410	5000	108	90 - 110	P	10/25/2024	00:52	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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
CCV14	Vanadium	2680	2500	107	90 - 110	P	10/25/2024	00:52	LB133110
	Zinc	2500	2500	100	90 - 110	P	10/25/2024	00:52	LB133110
CCV15	Aluminum	9430	10000	94	90 - 110	P	10/25/2024	01:45	LB133110
	Antimony	4920	5000	98	90 - 110	P	10/25/2024	01:45	LB133110
	Arsenic	4890	5000	98	90 - 110	P	10/25/2024	01:45	LB133110
	Barium	9100	10000	91	90 - 110	P	10/25/2024	01:45	LB133110
	Beryllium	238	250	95	90 - 110	P	10/25/2024	01:45	LB133110
	Cadmium	2390	2500	96	90 - 110	P	10/25/2024	01:45	LB133110
	Calcium	23000	25000	92	90 - 110	P	10/25/2024	01:45	LB133110
	Chromium	926	1000	93	90 - 110	P	10/25/2024	01:45	LB133110
	Cobalt	2390	2500	96	90 - 110	P	10/25/2024	01:45	LB133110
	Copper	1220	1250	98	90 - 110	P	10/25/2024	01:45	LB133110
	Iron	4510	5000	90	90 - 110	P	10/25/2024	01:45	LB133110
	Lead	4800	5000	96	90 - 110	P	10/25/2024	01:45	LB133110
	Magnesium	25400	25000	101	90 - 110	P	10/25/2024	01:45	LB133110
	Manganese	2470	2500	99	90 - 110	P	10/25/2024	01:45	LB133110
	Nickel	2420	2500	97	90 - 110	P	10/25/2024	01:45	LB133110
	Potassium	25200	25000	101	90 - 110	P	10/25/2024	01:45	LB133110
	Selenium	5000	5000	100	90 - 110	P	10/25/2024	01:45	LB133110
	Silver	1210	1250	97	90 - 110	P	10/25/2024	01:45	LB133110
	Sodium	22700	25000	91	90 - 110	P	10/25/2024	01:45	LB133110
	Thallium	5160	5000	103	90 - 110	P	10/25/2024	01:45	LB133110
	Vanadium	2640	2500	106	90 - 110	P	10/25/2024	01:45	LB133110
	Zinc	2440	2500	97	90 - 110	P	10/25/2024	01:45	LB133110
CCV16	Aluminum	9310	10000	93	90 - 110	P	10/25/2024	02:44	LB133110
	Antimony	4990	5000	100	90 - 110	P	10/25/2024	02:44	LB133110
	Arsenic	4970	5000	99	90 - 110	P	10/25/2024	02:44	LB133110
	Barium	9010	10000	90	90 - 110	P	10/25/2024	02:44	LB133110
	Beryllium	236	250	94	90 - 110	P	10/25/2024	02:44	LB133110
	Cadmium	2430	2500	97	90 - 110	P	10/25/2024	02:44	LB133110
	Calcium	22900	25000	91	90 - 110	P	10/25/2024	02:44	LB133110
	Chromium	913	1000	91	90 - 110	P	10/25/2024	02:44	LB133110
	Cobalt	2430	2500	97	90 - 110	P	10/25/2024	02:44	LB133110
	Copper	1230	1250	99	90 - 110	P	10/25/2024	02:44	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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
CCV16	Iron	5000	5000	100	90 - 110	P	10/25/2024	02:44	LB133110
	Lead	4870	5000	97	90 - 110	P	10/25/2024	02:44	LB133110
	Magnesium	25400	25000	102	90 - 110	P	10/25/2024	02:44	LB133110
	Manganese	2720	2500	109	90 - 110	P	10/25/2024	02:44	LB133110
	Nickel	2460	2500	98	90 - 110	P	10/25/2024	02:44	LB133110
	Potassium	24700	25000	99	90 - 110	P	10/25/2024	02:44	LB133110
	Selenium	5070	5000	102	90 - 110	P	10/25/2024	02:44	LB133110
	Silver	1190	1250	96	90 - 110	P	10/25/2024	02:44	LB133110
	Sodium	22700	25000	91	90 - 110	P	10/25/2024	02:44	LB133110
	Thallium	5300	5000	106	90 - 110	P	10/25/2024	02:44	LB133110
	Vanadium	2740	2500	110	90 - 110	P	10/25/2024	02:44	LB133110
	Zinc	2410	2500	96	90 - 110	P	10/25/2024	02:44	LB133110

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	2410	2500	96	90 - 110	P	11/01/2024	15:31	LB133257
	Antimony	1010	1000	101	90 - 110	P	11/01/2024	15:31	LB133257
	Arsenic	951	1000	95	90 - 110	P	11/01/2024	15:31	LB133257
	Barium	488	520	94	90 - 110	P	11/01/2024	15:31	LB133257
	Beryllium	493	510	97	90 - 110	P	11/01/2024	15:31	LB133257
	Cadmium	478	510	94	90 - 110	P	11/01/2024	15:31	LB133257
	Calcium	9650	10000	96	90 - 110	P	11/01/2024	15:31	LB133257
	Chromium	539	520	104	90 - 110	P	11/01/2024	15:31	LB133257
	Cobalt	516	520	99	90 - 110	P	11/01/2024	15:31	LB133257
	Copper	529	510	104	90 - 110	P	11/01/2024	15:31	LB133257
	Iron	10200	10000	102	90 - 110	P	11/01/2024	15:31	LB133257
	Lead	969	1000	97	90 - 110	P	11/01/2024	15:31	LB133257
	Magnesium	5670	6000	94	90 - 110	P	11/01/2024	15:31	LB133257
	Manganese	499	520	96	90 - 110	P	11/01/2024	15:31	LB133257
	Nickel	516	530	97	90 - 110	P	11/01/2024	15:31	LB133257
	Potassium	9990	9900	101	90 - 110	P	11/01/2024	15:31	LB133257
	Selenium	980	1000	98	90 - 110	P	11/01/2024	15:31	LB133257
	Silver	260	250	104	90 - 110	P	11/01/2024	15:31	LB133257
	Sodium	9680	10000	97	90 - 110	P	11/01/2024	15:31	LB133257
	Thallium	997	1000	100	90 - 110	P	11/01/2024	15:31	LB133257
	Vanadium	484	500	97	90 - 110	P	11/01/2024	15:31	LB133257
	Zinc	1040	1000	104	90 - 110	P	11/01/2024	15:31	LB133257

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	92.5	100	92	80 - 120	P	11/01/2024	15:35	LB133257
	Antimony	47.7	50.0	95	80 - 120	P	11/01/2024	15:35	LB133257
	Arsenic	19.3	20.0	96	80 - 120	P	11/01/2024	15:35	LB133257
	Barium	93.3	100	93	80 - 120	P	11/01/2024	15:35	LB133257
	Beryllium	5.40	6.0	90	80 - 120	P	11/01/2024	15:35	LB133257
	Cadmium	5.60	6.0	93	80 - 120	P	11/01/2024	15:35	LB133257
	Calcium	1880	2000	94	80 - 120	P	11/01/2024	15:35	LB133257
	Chromium	9.34	10.0	93	80 - 120	P	11/01/2024	15:35	LB133257
	Cobalt	28.3	30.0	94	80 - 120	P	11/01/2024	15:35	LB133257
	Copper	21.2	20.0	106	80 - 120	P	11/01/2024	15:35	LB133257
	Iron	92.8	100	93	80 - 120	P	11/01/2024	15:35	LB133257
	Lead	10.8	12.0	90	80 - 120	P	11/01/2024	15:35	LB133257
	Magnesium	1850	2000	93	80 - 120	P	11/01/2024	15:35	LB133257
	Manganese	19.4	20.0	97	80 - 120	P	11/01/2024	15:35	LB133257
	Nickel	37.5	40.0	94	80 - 120	P	11/01/2024	15:35	LB133257
	Potassium	1850	2000	92	80 - 120	P	11/01/2024	15:35	LB133257
	Selenium	18.0	20.0	90	80 - 120	P	11/01/2024	15:35	LB133257
	Silver	10.3	10.0	103	80 - 120	P	11/01/2024	15:35	LB133257
	Sodium	1790	2000	90	80 - 120	P	11/01/2024	15:35	LB133257
	Thallium	35.0	40.0	88	80 - 120	P	11/01/2024	15:35	LB133257
	Vanadium	35.1	40.0	88	80 - 120	P	11/01/2024	15:35	LB133257
	Zinc	41.2	40.0	103	80 - 120	P	11/01/2024	15:35	LB133257

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	9770	10000	98	90 - 110	P	11/01/2024	16:03	LB133257
	Antimony	4870	5000	98	90 - 110	P	11/01/2024	16:03	LB133257
	Arsenic	4810	5000	96	90 - 110	P	11/01/2024	16:03	LB133257
	Barium	9680	10000	97	90 - 110	P	11/01/2024	16:03	LB133257
	Beryllium	241	250	96	90 - 110	P	11/01/2024	16:03	LB133257
	Cadmium	2380	2500	95	90 - 110	P	11/01/2024	16:03	LB133257
	Calcium	24200	25000	97	90 - 110	P	11/01/2024	16:03	LB133257
	Chromium	984	1000	98	90 - 110	P	11/01/2024	16:03	LB133257
	Cobalt	2410	2500	96	90 - 110	P	11/01/2024	16:03	LB133257
	Copper	1220	1250	98	90 - 110	P	11/01/2024	16:03	LB133257
	Iron	4850	5000	97	90 - 110	P	11/01/2024	16:03	LB133257
	Lead	4830	5000	97	90 - 110	P	11/01/2024	16:03	LB133257
	Magnesium	23300	25000	93	90 - 110	P	11/01/2024	16:03	LB133257
	Manganese	2430	2500	97	90 - 110	P	11/01/2024	16:03	LB133257
	Nickel	2350	2500	94	90 - 110	P	11/01/2024	16:03	LB133257
	Potassium	24500	25000	98	90 - 110	P	11/01/2024	16:03	LB133257
	Selenium	4780	5000	96	90 - 110	P	11/01/2024	16:03	LB133257
	Silver	1220	1250	97	90 - 110	P	11/01/2024	16:03	LB133257
	Sodium	24100	25000	96	90 - 110	P	11/01/2024	16:03	LB133257
	Thallium	5410	5000	108	90 - 110	P	11/01/2024	16:03	LB133257
	Vanadium	2440	2500	98	90 - 110	P	11/01/2024	16:03	LB133257
	Zinc	2470	2500	99	90 - 110	P	11/01/2024	16:03	LB133257
CCV02	Aluminum	10200	10000	102	90 - 110	P	11/01/2024	16:56	LB133257
	Antimony	5060	5000	101	90 - 110	P	11/01/2024	16:56	LB133257
	Arsenic	5020	5000	100	90 - 110	P	11/01/2024	16:56	LB133257
	Barium	10000	10000	100	90 - 110	P	11/01/2024	16:56	LB133257
	Beryllium	255	250	102	90 - 110	P	11/01/2024	16:56	LB133257
	Cadmium	2520	2500	101	90 - 110	P	11/01/2024	16:56	LB133257
	Calcium	25500	25000	102	90 - 110	P	11/01/2024	16:56	LB133257
	Chromium	1030	1000	103	90 - 110	P	11/01/2024	16:56	LB133257
	Cobalt	2540	2500	102	90 - 110	P	11/01/2024	16:56	LB133257
	Copper	1280	1250	102	90 - 110	P	11/01/2024	16:56	LB133257
	Iron	5040	5000	101	90 - 110	P	11/01/2024	16:56	LB133257
	Lead	5070	5000	102	90 - 110	P	11/01/2024	16:56	LB133257

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24600	25000	99	90 - 110	P	11/01/2024	16:56	LB133257
	Manganese	2540	2500	102	90 - 110	P	11/01/2024	16:56	LB133257
	Nickel	2490	2500	100	90 - 110	P	11/01/2024	16:56	LB133257
	Potassium	25100	25000	101	90 - 110	P	11/01/2024	16:56	LB133257
	Selenium	4960	5000	99	90 - 110	P	11/01/2024	16:56	LB133257
	Silver	1260	1250	101	90 - 110	P	11/01/2024	16:56	LB133257
	Sodium	24600	25000	98	90 - 110	P	11/01/2024	16:56	LB133257
	Thallium	5000	5000	100	90 - 110	P	11/01/2024	16:56	LB133257
	Vanadium	2550	2500	102	90 - 110	P	11/01/2024	16:56	LB133257
	Zinc	2550	2500	102	90 - 110	P	11/01/2024	16:56	LB133257
CCV03	Aluminum	10000	10000	100	90 - 110	P	11/01/2024	17:57	LB133257
	Antimony	5060	5000	101	90 - 110	P	11/01/2024	17:57	LB133257
	Arsenic	5060	5000	101	90 - 110	P	11/01/2024	17:57	LB133257
	Barium	9860	10000	99	90 - 110	P	11/01/2024	17:57	LB133257
	Beryllium	253	250	101	90 - 110	P	11/01/2024	17:57	LB133257
	Cadmium	2540	2500	102	90 - 110	P	11/01/2024	17:57	LB133257
	Calcium	25100	25000	100	90 - 110	P	11/01/2024	17:57	LB133257
	Chromium	1030	1000	103	90 - 110	P	11/01/2024	17:57	LB133257
	Cobalt	2550	2500	102	90 - 110	P	11/01/2024	17:57	LB133257
	Copper	1270	1250	102	90 - 110	P	11/01/2024	17:57	LB133257
	Iron	4990	5000	100	90 - 110	P	11/01/2024	17:57	LB133257
	Lead	5090	5000	102	90 - 110	P	11/01/2024	17:57	LB133257
	Magnesium	24500	25000	98	90 - 110	P	11/01/2024	17:57	LB133257
	Manganese	2490	2500	100	90 - 110	P	11/01/2024	17:57	LB133257
	Nickel	2520	2500	101	90 - 110	P	11/01/2024	17:57	LB133257
	Potassium	24900	25000	100	90 - 110	P	11/01/2024	17:57	LB133257
	Selenium	5060	5000	101	90 - 110	P	11/01/2024	17:57	LB133257
	Silver	1260	1250	101	90 - 110	P	11/01/2024	17:57	LB133257
	Sodium	23700	25000	95	90 - 110	P	11/01/2024	17:57	LB133257
	Thallium	4920	5000	98	90 - 110	P	11/01/2024	17:57	LB133257
	Vanadium	2490	2500	99	90 - 110	P	11/01/2024	17:57	LB133257
	Zinc	2550	2500	102	90 - 110	P	11/01/2024	17:57	LB133257
CCV04	Aluminum	9370	10000	94	90 - 110	P	11/01/2024	18:55	LB133257
	Antimony	4620	5000	92	90 - 110	P	11/01/2024	18:55	LB133257

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	4670	5000	93	90 - 110	P	11/01/2024	18:55	LB133257
	Barium	9020	10000	90	90 - 110	P	11/01/2024	18:55	LB133257
	Beryllium	253	250	101	90 - 110	P	11/01/2024	18:55	LB133257
	Cadmium	2420	2500	97	90 - 110	P	11/01/2024	18:55	LB133257
	Calcium	24400	25000	98	90 - 110	P	11/01/2024	18:55	LB133257
	Chromium	995	1000	100	90 - 110	P	11/01/2024	18:55	LB133257
	Cobalt	2420	2500	97	90 - 110	P	11/01/2024	18:55	LB133257
	Copper	1170	1250	94	90 - 110	P	11/01/2024	18:55	LB133257
	Iron	4800	5000	96	90 - 110	P	11/01/2024	18:55	LB133257
	Lead	4870	5000	97	90 - 110	P	11/01/2024	18:55	LB133257
	Magnesium	23700	25000	95	90 - 110	P	11/01/2024	18:55	LB133257
	Manganese	2390	2500	96	90 - 110	P	11/01/2024	18:55	LB133257
	Nickel	2370	2500	95	90 - 110	P	11/01/2024	18:55	LB133257
	Potassium	22900	25000	92	90 - 110	P	11/01/2024	18:55	LB133257
	Selenium	4620	5000	92	90 - 110	P	11/01/2024	18:55	LB133257
	Silver	1220	1250	98	90 - 110	P	11/01/2024	18:55	LB133257
	Sodium	23500	25000	94	90 - 110	P	11/01/2024	18:55	LB133257
	Thallium	4650	5000	93	90 - 110	P	11/01/2024	18:55	LB133257
	Vanadium	2360	2500	94	90 - 110	P	11/01/2024	18:55	LB133257
	Zinc	2430	2500	97	90 - 110	P	11/01/2024	18:55	LB133257
CCV05	Aluminum	10400	10000	104	90 - 110	P	11/01/2024	19:18	LB133257
	Antimony	5290	5000	106	90 - 110	P	11/01/2024	19:18	LB133257
	Arsenic	5300	5000	106	90 - 110	P	11/01/2024	19:18	LB133257
	Barium	10100	10000	101	90 - 110	P	11/01/2024	19:18	LB133257
	Beryllium	267	250	107	90 - 110	P	11/01/2024	19:18	LB133257
	Cadmium	2640	2500	106	90 - 110	P	11/01/2024	19:18	LB133257
	Calcium	26500	25000	106	90 - 110	P	11/01/2024	19:18	LB133257
	Chromium	1070	1000	107	90 - 110	P	11/01/2024	19:18	LB133257
	Cobalt	2670	2500	107	90 - 110	P	11/01/2024	19:18	LB133257
	Copper	1340	1250	107	90 - 110	P	11/01/2024	19:18	LB133257
	Iron	5140	5000	103	90 - 110	P	11/01/2024	19:18	LB133257
	Lead	5340	5000	107	90 - 110	P	11/01/2024	19:18	LB133257
	Magnesium	25100	25000	100	90 - 110	P	11/01/2024	19:18	LB133257
	Manganese	2580	2500	103	90 - 110	P	11/01/2024	19:18	LB133257

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	2600	2500	104	90 - 110	P	11/01/2024	19:18	LB133257
	Potassium	25600	25000	103	90 - 110	P	11/01/2024	19:18	LB133257
	Selenium	5290	5000	106	90 - 110	P	11/01/2024	19:18	LB133257
	Silver	1310	1250	105	90 - 110	P	11/01/2024	19:18	LB133257
	Sodium	24300	25000	97	90 - 110	P	11/01/2024	19:18	LB133257
	Thallium	5130	5000	103	90 - 110	P	11/01/2024	19:18	LB133257
	Vanadium	2570	2500	103	90 - 110	P	11/01/2024	19:18	LB133257
	Zinc	2540	2500	102	90 - 110	P	11/01/2024	19:18	LB133257

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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.21	0.2	106	40 - 160	CV	10/22/2024	12:03	LB133043
CRI01	Aluminum	94.6	100	95	40 - 160	P	10/23/2024	15:22	LB133086
	Antimony	48.5	50.0	97	40 - 160	P	10/23/2024	15:22	LB133086
	Arsenic	19.7	20.0	99	40 - 160	P	10/23/2024	15:22	LB133086
	Barium	92.7	100	93	40 - 160	P	10/23/2024	15:22	LB133086
	Beryllium	5.42	6.0	90	40 - 160	P	10/23/2024	15:22	LB133086
	Cadmium	5.38	6.0	90	40 - 160	P	10/23/2024	15:22	LB133086
	Calcium	1860	2000	93	40 - 160	P	10/23/2024	15:22	LB133086
	Chromium	10.0	10.0	100	40 - 160	P	10/23/2024	15:22	LB133086
	Cobalt	28.3	30.0	94	40 - 160	P	10/23/2024	15:22	LB133086
	Copper	20.9	20.0	105	40 - 160	P	10/23/2024	15:22	LB133086
	Iron	102	100	102	40 - 160	P	10/23/2024	15:22	LB133086
	Lead	11.1	12.0	92	40 - 160	P	10/23/2024	15:22	LB133086
	Magnesium	1830	2000	92	40 - 160	P	10/23/2024	15:22	LB133086
	Manganese	18.7	20.0	94	40 - 160	P	10/23/2024	15:22	LB133086
	Nickel	37.4	40.0	94	40 - 160	P	10/23/2024	15:22	LB133086
	Potassium	1950	2000	98	40 - 160	P	10/23/2024	15:22	LB133086
	Selenium	17.6	20.0	88	40 - 160	P	10/23/2024	15:22	LB133086
	Silver	10.1	10.0	101	40 - 160	P	10/23/2024	15:22	LB133086
	Sodium	1970	2000	99	40 - 160	P	10/23/2024	15:22	LB133086
	Thallium	37.5	40.0	94	40 - 160	P	10/23/2024	15:22	LB133086
	Vanadium	37.7	40.0	94	40 - 160	P	10/23/2024	15:22	LB133086
	Zinc	42.1	40.0	105	40 - 160	P	10/23/2024	15:22	LB133086
CRI01	Aluminum	100	100	100	40 - 160	P	10/24/2024	13:38	LB133110
	Antimony	51.1	50.0	102	40 - 160	P	10/24/2024	13:38	LB133110
	Arsenic	19.7	20.0	98	40 - 160	P	10/24/2024	13:38	LB133110
	Barium	94.3	100	94	40 - 160	P	10/24/2024	13:38	LB133110
	Beryllium	5.58	6.0	93	40 - 160	P	10/24/2024	13:38	LB133110
	Cadmium	5.58	6.0	93	40 - 160	P	10/24/2024	13:38	LB133110
	Calcium	1920	2000	96	40 - 160	P	10/24/2024	13:38	LB133110
	Chromium	9.95	10.0	100	40 - 160	P	10/24/2024	13:38	LB133110
	Cobalt	29.3	30.0	98	40 - 160	P	10/24/2024	13:38	LB133110
	Copper	22.1	20.0	110	40 - 160	P	10/24/2024	13:38	LB133110
	Iron	102	100	102	40 - 160	P	10/24/2024	13:38	LB133110
	Lead	11.7	12.0	97	40 - 160	P	10/24/2024	13:38	LB133110

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	Magnesium	1850	2000	93	40 - 160	P	10/24/2024	13:38	LB133110
	Manganese	19.3	20.0	96	40 - 160	P	10/24/2024	13:38	LB133110
	Nickel	38.8	40.0	97	40 - 160	P	10/24/2024	13:38	LB133110
	Potassium	1970	2000	98	40 - 160	P	10/24/2024	13:38	LB133110
	Selenium	17.8	20.0	89	40 - 160	P	10/24/2024	13:38	LB133110
	Silver	10.6	10.0	106	40 - 160	P	10/24/2024	13:38	LB133110
	Sodium	1860	2000	93	40 - 160	P	10/24/2024	13:38	LB133110
	Thallium	39.2	40.0	98	40 - 160	P	10/24/2024	13:38	LB133110
	Vanadium	34.7	40.0	87	40 - 160	P	10/24/2024	13:38	LB133110
	Zinc	44.4	40.0	111	40 - 160	P	10/24/2024	13:38	LB133110
CRA	Mercury	0.21	0.2	104	40 - 160	CV	10/25/2024	12:33	LB133129
CRI01	Aluminum	92.9	100	93	40 - 160	P	11/01/2024	15:44	LB133257
	Antimony	49.0	50.0	98	40 - 160	P	11/01/2024	15:44	LB133257
	Arsenic	18.6	20.0	93	40 - 160	P	11/01/2024	15:44	LB133257
	Barium	92.9	100	93	40 - 160	P	11/01/2024	15:44	LB133257
	Beryllium	5.38	6.0	90	40 - 160	P	11/01/2024	15:44	LB133257
	Cadmium	5.56	6.0	93	40 - 160	P	11/01/2024	15:44	LB133257
	Calcium	1890	2000	95	40 - 160	P	11/01/2024	15:44	LB133257
	Chromium	9.61	10.0	96	40 - 160	P	11/01/2024	15:44	LB133257
	Cobalt	28.6	30.0	95	40 - 160	P	11/01/2024	15:44	LB133257
	Copper	21.9	20.0	109	40 - 160	P	11/01/2024	15:44	LB133257
	Iron	95.0	100	95	40 - 160	P	11/01/2024	15:44	LB133257
	Lead	10.6	12.0	88	40 - 160	P	11/01/2024	15:44	LB133257
	Magnesium	1830	2000	91	40 - 160	P	11/01/2024	15:44	LB133257
	Manganese	19.5	20.0	98	40 - 160	P	11/01/2024	15:44	LB133257
	Nickel	37.6	40.0	94	40 - 160	P	11/01/2024	15:44	LB133257
	Potassium	1910	2000	96	40 - 160	P	11/01/2024	15:44	LB133257
	Selenium	18.5	20.0	93	40 - 160	P	11/01/2024	15:44	LB133257
	Silver	10.3	10.0	103	40 - 160	P	11/01/2024	15:44	LB133257
	Sodium	1820	2000	91	40 - 160	P	11/01/2024	15:44	LB133257
	Thallium	33.3	40.0	83	40 - 160	P	11/01/2024	15:44	LB133257
	Vanadium	37.1	40.0	93	40 - 160	P	11/01/2024	15:44	LB133257
	Zinc	42.1	40.0	105	40 - 160	P	11/01/2024	15:44	LB133257

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	247000	255000	97	216000	294000	10/23/2024	15:26	LB133086
	Antimony	0.40			-50	50	10/23/2024	15:26	LB133086
	Arsenic	6.17			-20	20	10/23/2024	15:26	LB133086
	Barium	4.64	6.0	77	-94	106	10/23/2024	15:26	LB133086
	Beryllium	1.26			-6	6	10/23/2024	15:26	LB133086
	Cadmium	5.24	1.0	524	-5	7	10/23/2024	15:26	LB133086
	Calcium	231000	245000	94	208000	282000	10/23/2024	15:26	LB133086
	Chromium	58.7	52.0	113	42	62	10/23/2024	15:26	LB133086
	Cobalt	2.02			-30	30	10/23/2024	15:26	LB133086
	Copper	2.08	2.0	104	-18	22	10/23/2024	15:26	LB133086
	Iron	102000	101000	101	85600	116500	10/23/2024	15:26	LB133086
	Lead	7.85			-12	12	10/23/2024	15:26	LB133086
	Magnesium	254000	255000	100	216000	294000	10/23/2024	15:26	LB133086
	Manganese	4.31	7.0	62	-13	27	10/23/2024	15:26	LB133086
	Nickel	2.14	2.0	107	-38	42	10/23/2024	15:26	LB133086
	Potassium	-5.76			0	0	10/23/2024	15:26	LB133086
	Selenium	-14.6			-20	20	10/23/2024	15:26	LB133086
	Silver	0.40			-10	10	10/23/2024	15:26	LB133086
	Sodium	18.1			0	0	10/23/2024	15:26	LB133086
	Thallium	16.5			-40	40	10/23/2024	15:26	LB133086
	Vanadium	8.08			-40	40	10/23/2024	15:26	LB133086
	Zinc	5.93			-40	40	10/23/2024	15:26	LB133086
ICSAB01	Aluminum	242000	247000	98	209000	285000	10/23/2024	15:32	LB133086
	Antimony	613	618	99	525	711	10/23/2024	15:32	LB133086
	Arsenic	109	104	105	88.4	120	10/23/2024	15:32	LB133086
	Barium	477	537	89	437	637	10/23/2024	15:32	LB133086
	Beryllium	478	495	97	420	570	10/23/2024	15:32	LB133086
	Cadmium	987	972	102	826	1120	10/23/2024	15:32	LB133086
	Calcium	225000	235000	96	199000	271000	10/23/2024	15:32	LB133086
	Chromium	574	542	106	460	624	10/23/2024	15:32	LB133086
	Cobalt	514	476	108	404	548	10/23/2024	15:32	LB133086
	Copper	486	511	95	434	588	10/23/2024	15:32	LB133086
	Iron	100000	99300	101	84400	114500	10/23/2024	15:32	LB133086
	Lead	55.0	49.0	112	37	61	10/23/2024	15:32	LB133086
	Magnesium	247000	248000	100	210000	286000	10/23/2024	15:32	LB133086
	Manganese	464	507	92	430	584	10/23/2024	15:32	LB133086
	Nickel	1020	954	107	810	1100	10/23/2024	15:32	LB133086
	Potassium	-2.05			0	0	10/23/2024	15:32	LB133086
	Selenium	32.1	46.0	70	26	66	10/23/2024	15:32	LB133086
	Silver	206	201	102	170	232	10/23/2024	15:32	LB133086
	Sodium	20.8			0	0	10/23/2024	15:32	LB133086
	Thallium	109	108	101	68	148	10/23/2024	15:32	LB133086

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	463	491	94	417	565	10/23/2024	15:32	LB133086
	Zinc	1090	952	114	809	1095	10/23/2024	15:32	LB133086
ICSA01	Aluminum	245000	255000	96	216000	294000	10/24/2024	13:43	LB133110
	Antimony	0.022			-50	50	10/24/2024	13:43	LB133110
	Arsenic	4.95			-20	20	10/24/2024	13:43	LB133110
	Barium	3.29	6.0	55	-94	106	10/24/2024	13:43	LB133110
	Beryllium	1.29			-6	6	10/24/2024	13:43	LB133110
	Cadmium	3.37	1.0	337	-5	7	10/24/2024	13:43	LB133110
	Calcium	227000	245000	93	208000	282000	10/24/2024	13:43	LB133110
	Chromium	55.4	52.0	106	42	62	10/24/2024	13:43	LB133110
	Cobalt	2.27			-30	30	10/24/2024	13:43	LB133110
	Copper	8.59	2.0	430	-18	22	10/24/2024	13:43	LB133110
	Iron	101000	101000	100	85600	116500	10/24/2024	13:43	LB133110
	Lead	9.27			-12	12	10/24/2024	13:43	LB133110
	Magnesium	246000	255000	96	216000	294000	10/24/2024	13:43	LB133110
	Manganese	3.89	7.0	56	-13	27	10/24/2024	13:43	LB133110
	Nickel	2.59	2.0	130	-38	42	10/24/2024	13:43	LB133110
	Potassium	-36.7			0	0	10/24/2024	13:43	LB133110
	Selenium	-16.1			-20	20	10/24/2024	13:43	LB133110
	Silver	0.37			-10	10	10/24/2024	13:43	LB133110
	Sodium	4.15			0	0	10/24/2024	13:43	LB133110
	Thallium	3.67			-40	40	10/24/2024	13:43	LB133110
	Vanadium	5.91			-40	40	10/24/2024	13:43	LB133110
	Zinc	5.89			-40	40	10/24/2024	13:43	LB133110
ICSAB01	Aluminum	256000	247000	104	209000	285000	10/24/2024	13:54	LB133110
	Antimony	643	618	104	525	711	10/24/2024	13:54	LB133110
	Arsenic	111	104	107	88.4	120	10/24/2024	13:54	LB133110
	Barium	488	537	91	437	637	10/24/2024	13:54	LB133110
	Beryllium	482	495	97	420	570	10/24/2024	13:54	LB133110
	Cadmium	981	972	101	826	1120	10/24/2024	13:54	LB133110
	Calcium	232000	235000	99	199000	271000	10/24/2024	13:54	LB133110
	Chromium	565	542	104	460	624	10/24/2024	13:54	LB133110
	Cobalt	527	476	111	404	548	10/24/2024	13:54	LB133110
	Copper	518	511	101	434	588	10/24/2024	13:54	LB133110
	Iron	104000	99300	105	84400	114500	10/24/2024	13:54	LB133110
	Lead	57.7	49.0	118	37	61	10/24/2024	13:54	LB133110
	Magnesium	249000	248000	100	210000	286000	10/24/2024	13:54	LB133110
	Manganese	471	507	93	430	584	10/24/2024	13:54	LB133110
	Nickel	1040	954	109	810	1100	10/24/2024	13:54	LB133110
	Potassium	-31.8			0	0	10/24/2024	13:54	LB133110
	Selenium	35.0	46.0	76	26	66	10/24/2024	13:54	LB133110
	Silver	230	201	114	170	232	10/24/2024	13:54	LB133110

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	-3.02			0	0	10/24/2024	13:54	LB133110
	Thallium	99.3	108	92	68	148	10/24/2024	13:54	LB133110
	Vanadium	460	491	94	417	565	10/24/2024	13:54	LB133110
	Zinc	918	952	96	809	1095	10/24/2024	13:54	LB133110
ICSA01	Aluminum	246000	255000	96	216000	294000	11/01/2024	15:48	LB133257
	Antimony	2.70			-50	50	11/01/2024	15:48	LB133257
	Arsenic	3.05			-20	20	11/01/2024	15:48	LB133257
	Barium	2.81	6.0	47	-94	106	11/01/2024	15:48	LB133257
	Beryllium	2.80			-6	6	11/01/2024	15:48	LB133257
	Cadmium	6.71	1.0	671	-5	7	11/01/2024	15:48	LB133257
	Calcium	229000	245000	94	208000	282000	11/01/2024	15:48	LB133257
	Chromium	57.1	52.0	110	42	62	11/01/2024	15:48	LB133257
	Cobalt	3.83			-30	30	11/01/2024	15:48	LB133257
	Copper	8.51	2.0	426	-18	22	11/01/2024	15:48	LB133257
	Iron	100000	101000	99	85600	116500	11/01/2024	15:48	LB133257
	Lead	7.70			-12	12	11/01/2024	15:48	LB133257
	Magnesium	248000	255000	97	216000	294000	11/01/2024	15:48	LB133257
	Manganese	5.09	7.0	73	-13	27	11/01/2024	15:48	LB133257
	Nickel	5.18	2.0	259	-38	42	11/01/2024	15:48	LB133257
	Potassium	-31.4			0	0	11/01/2024	15:48	LB133257
	Selenium	-16.8			-20	20	11/01/2024	15:48	LB133257
	Silver	0.24			-10	10	11/01/2024	15:48	LB133257
	Sodium	17.4			0	0	11/01/2024	15:48	LB133257
	Thallium	5.89			-40	40	11/01/2024	15:48	LB133257
	Vanadium	10.1			-40	40	11/01/2024	15:48	LB133257
	Zinc	11.9			-40	40	11/01/2024	15:48	LB133257
ICSAB01	Aluminum	274000	247000	111	209000	285000	11/01/2024	15:58	LB133257
	Antimony	688	618	111	525	711	11/01/2024	15:58	LB133257
	Arsenic	112	104	108	88.4	120	11/01/2024	15:58	LB133257
	Barium	541	537	101	437	637	11/01/2024	15:58	LB133257
	Beryllium	533	495	108	420	570	11/01/2024	15:58	LB133257
	Cadmium	1050	972	108	826	1120	11/01/2024	15:58	LB133257
	Calcium	255000	235000	108	199000	271000	11/01/2024	15:58	LB133257
	Chromium	478	542	88	460	624	11/01/2024	15:58	LB133257
	Cobalt	456	476	96	404	548	11/01/2024	15:58	LB133257
	Copper	540	511	106	434	588	11/01/2024	15:58	LB133257
	Iron	111000	99300	112	84400	114500	11/01/2024	15:58	LB133257
	Lead	58.4	49.0	119	37	61	11/01/2024	15:58	LB133257
	Magnesium	278000	248000	112	210000	286000	11/01/2024	15:58	LB133257
	Manganese	528	507	104	430	584	11/01/2024	15:58	LB133257
	Nickel	1090	954	114	810	1100	11/01/2024	15:58	LB133257
	Potassium	-42.2			0	0	11/01/2024	15:58	LB133257

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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	Selenium	35.7	46.0	78	26	66	11/01/2024	15:58	LB133257
	Silver	225	201	112	170	232	11/01/2024	15:58	LB133257
	Sodium	17.3			0	0	11/01/2024	15:58	LB133257
	Thallium	90.7	108	84	68	148	11/01/2024	15:58	LB133257
	Vanadium	528	491	108	417	565	11/01/2024	15:58	LB133257
	Zinc	976	952	102	809	1095	11/01/2024	15:58	LB133257

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P4460

contract: PORT06 **lab code:** CHEM **case no.:** P4460 **sas no.:** P4460

matrix: Solid **sample id:** P4443-01 **client id:** OG-315-HR-502-COMP-29MS

Percent Solids for Sample: 92 **Spiked ID:** P4443-01MS **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.46		0.14		0.27	118		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P4460

contract: PORT06 **lab code:** CHEM **case no.:** P4460 **sas no.:** P4460

matrix: Solid **sample id:** P4443-01 **client id:** OG-315-HR-502-COMP-29MSD

Percent Solids for Sample: 92 **Spiked ID:** P4443-01MSD **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.47		0.14		0.28	114		CV

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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P4460

contract: PORT06 **lab code:** CHEM **case no.:** P4460 **sas no.:** P4460

matrix: Solid **sample id:** P4460-03 **client id:** WB-303-BOTMS

Percent Solids for Sample: 80.1 **Spiked ID:** P4460-03MS **Percent Solids for Spike Sample:** 80.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5620		7450		110	-1667		P
Antimony	mg/Kg	75 - 125	28.5		3.03	U	44.2	64	N	P
Arsenic	mg/Kg	75 - 125	34.7		1.46		44.2	75		P
Barium	mg/Kg	75 - 125	27.2		26.9		11.0	3	N	P
Beryllium	mg/Kg	75 - 125	8.36		0.68		11.0	70	N	P
Cadmium	mg/Kg	75 - 125	11.6		2.27		11.0	85		P
Calcium	mg/Kg	75 - 125	3480		2810		55.2	1219		P
Chromium	mg/Kg	75 - 125	28.7		14.6		22.1	64	N	P
Cobalt	mg/Kg	75 - 125	18.3		10.5		11.0	72	N	P
Copper	mg/Kg	75 - 125	24.7		16.5		16.6	50	N	P
Iron	mg/Kg	75 - 125	13600		18500		170	-2850		P
Lead	mg/Kg	75 - 125	55.2		9.67		55.2	82		P
Magnesium	mg/Kg	75 - 125	4170		4680		110	-463		P
Manganese	mg/Kg	75 - 125	255		273		11.0	-167		P
Nickel	mg/Kg	75 - 125	40.8		19.8		27.6	76		P
Potassium	mg/Kg	75 - 125	1380		1320		550	11	N	P
Selenium	mg/Kg	75 - 125	75.9		1.21	U	110	69	N	P
Silver	mg/Kg	75 - 125	3.44		0.61	U	4.1	84		P
Sodium	mg/Kg	75 - 125	953		1020		170	-42		P
Thallium	mg/Kg	75 - 125	94.0		2.42	U	110	86		P
Vanadium	mg/Kg	75 - 125	26.3		18.2		16.6	49	N	P
Zinc	mg/Kg	75 - 125	39.0		40.5		11.0	-14	N	P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P4460

contract: PORT06 **lab code:** CHEM **case no.:** P4460 **sas no.:** P4460

matrix: Solid **sample id:** P4460-03 **client id:** WB-303-BOTMSD

Percent Solids for Sample: 80.1 **Spiked ID:** P4460-03MSD **Percent Solids for Spike Sample:** 80.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5190		7450		100	-2269		P
Antimony	mg/Kg	75 - 125	26.4		3.03	U	40.9	64	N	P
Arsenic	mg/Kg	75 - 125	32.2		1.46		40.9	75		P
Barium	mg/Kg	75 - 125	24.8		26.9		10.2	-20	N	P
Beryllium	mg/Kg	75 - 125	7.78		0.68		10.2	70	N	P
Cadmium	mg/Kg	75 - 125	10.8		2.27		10.2	83		P
Calcium	mg/Kg	75 - 125	3220		2810		51.2	816		P
Chromium	mg/Kg	75 - 125	26.7		14.6		20.5	59	N	P
Cobalt	mg/Kg	75 - 125	17.0		10.5		10.2	64	N	P
Copper	mg/Kg	75 - 125	22.8		16.5		15.3	42	N	P
Iron	mg/Kg	75 - 125	12700		18500		150	-3832		P
Lead	mg/Kg	75 - 125	51.4		9.67		51.2	82		P
Magnesium	mg/Kg	75 - 125	3850		4680		100	-826		P
Manganese	mg/Kg	75 - 125	235		273		10.2	-372		P
Nickel	mg/Kg	75 - 125	37.9		19.8		25.6	71	N	P
Potassium	mg/Kg	75 - 125	1290		1320		510	-6	N	P
Selenium	mg/Kg	75 - 125	70.6		1.21	U	100	71	N	P
Silver	mg/Kg	75 - 125	3.23		0.61	U	3.8	85		P
Sodium	mg/Kg	75 - 125	889		1020		150	-90		P
Thallium	mg/Kg	75 - 125	87.1		2.42	U	100	87		P
Vanadium	mg/Kg	75 - 125	24.3		18.2		15.3	40	N	P
Zinc	mg/Kg	75 - 125	36.3		40.5		10.2	-41	N	P

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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P4460

contract: PORT06 **lab code:** CHEM **case no.:** P4460 **sas no.:** P4460

matrix: Water **sample id:** P4460-06 **client id:** WB-303-SWMS

Percent Solids for Sample: NA **Spiked ID:** P4460-06MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1580		426		1000	115		P
Antimony	ug/L	75 - 125	558		3.58	J	400	139	N	P
Arsenic	ug/L	75 - 125	508		10.0	U	400	127	N	P
Barium	ug/L	75 - 125	125		28.9	J	100	96		P
Beryllium	ug/L	75 - 125	108		3.00	U	100	108		P
Cadmium	ug/L	75 - 125	83.3		3.00	U	100	83		P
Calcium	ug/L	75 - 125	206000		201000		500	969		P
Chromium	ug/L	75 - 125	160		2.34	J	200	79		P
Cobalt	ug/L	75 - 125	91.7		15.0	U	100	92		P
Copper	ug/L	75 - 125	125		10.0	U	150	83		P
Iron	ug/L	75 - 125	2150		574		1500	105		P
Lead	ug/L	75 - 125	413		6.00	U	500	83		P
Magnesium	ug/L	75 - 125	720000		704000		1000	1670		P
Manganese	ug/L	75 - 125	155		68.4		100	87		P
Nickel	ug/L	75 - 125	223		1.58	J	250	89		P
Potassium	ug/L	75 - 125	438000		468000		5000	-598		P
Selenium	ug/L	75 - 125	1310		10.0	U	1000	131	N	P
Silver	ug/L	75 - 125	67.2		5.00	U	37.5	179	N	P
Sodium	ug/L	75 - 125	6450000	D	6160000	D	1500	19155		P
Thallium	ug/L	75 - 125	825		20.0	U	1000	82		P
Vanadium	ug/L	75 - 125	147		20.0	U	150	98		P
Zinc	ug/L	75 - 125	174		19.8	J	100	154	N	P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P4460

contract: PORT06 **lab code:** CHEM **case no.:** P4460 **sas no.:** P4460

matrix: Water **sample id:** P4460-06 **client id:** WB-303-SWMSD

Percent Solids for Sample: NA **Spiked ID:** P4460-06MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1720		426		1000	129	N	P
Antimony	ug/L	75 - 125	599		3.58	J	400	149	N	P
Arsenic	ug/L	75 - 125	544		10.0	U	400	136	N	P
Barium	ug/L	75 - 125	133		28.9	J	100	104		P
Beryllium	ug/L	75 - 125	111		3.00	U	100	111		P
Cadmium	ug/L	75 - 125	87.7		3.00	U	100	88		P
Calcium	ug/L	75 - 125	210000		201000		500	1828		P
Chromium	ug/L	75 - 125	167		2.34	J	200	82		P
Cobalt	ug/L	75 - 125	97.1		15.0	U	100	97		P
Copper	ug/L	75 - 125	132		10.0	U	150	88		P
Iron	ug/L	75 - 125	2190		574		1500	108		P
Lead	ug/L	75 - 125	434		6.00	U	500	87		P
Magnesium	ug/L	75 - 125	711000		704000		1000	741		P
Manganese	ug/L	75 - 125	158		68.4		100	90		P
Nickel	ug/L	75 - 125	235		1.58	J	250	94		P
Potassium	ug/L	75 - 125	487000		468000		5000	369		P
Selenium	ug/L	75 - 125	1400		10.0	U	1000	140	N	P
Silver	ug/L	75 - 125	70.5		5.00	U	37.5	188	N	P
Sodium	ug/L	75 - 125	6320000	D	6160000	D	1500	10476		P
Thallium	ug/L	75 - 125	882		20.0	U	1000	88		P
Vanadium	ug/L	75 - 125	152		20.0	U	150	101		P
Zinc	ug/L	75 - 125	182		19.8	J	100	162	N	P

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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P4460

contract: PORT06 **lab code:** CHEM **case no.:** P4460 **sas no.:** P4460

matrix: Water **sample id:** P4546-03 **client id:** 34839-40MS

Percent Solids for Sample: NA **Spiked ID:** P4546-03MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	2.53		0.28		4.0	56	N	CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P4460

contract: PORT06 **lab code:** CHEM **case no.:** P4460 **sas no.:** P4460

matrix: Water **sample id:** P4546-03 **client id:** 34839-40MSD

Percent Solids for Sample: NA **Spiked ID:** P4546-03MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	2.27		0.28		4.0	50	N	CV

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: Solid **Level:** LOW **Client ID:** WB-303-BOTA

Sample ID: P4460-03 **Spiked ID:** P4460-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	31.2		3.03	U	48.5	64		P
Barium	mg/Kg	75 - 125	29.1		26.9		12.1	18		P
Beryllium	mg/Kg	75 - 125	9.18		0.68		12.1	70		P
Chromium	mg/Kg	75 - 125	31.6		14.6		24.2	70		P
Cobalt	mg/Kg	75 - 125	20.1		10.5		12.1	79		P
Copper	mg/Kg	75 - 125	27.1		16.5		18.2	59		P
Nickel	mg/Kg	75 - 125	44.7		19.8		30.3	82		P
Potassium	mg/Kg	75 - 125	1510		1320		610	31		P
Selenium	mg/Kg	75 - 125	83.3		1.21	U	120	69		P
Vanadium	mg/Kg	75 - 125	28.5		18.2		18.2	57		P
Zinc	mg/Kg	75 - 125	42.8		40.5		12.1	20		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: Water **Level:** LOW **Client ID:** WB-303-SWA

Sample ID: P4460-06 **Spiked ID:** P4460-06A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1530		426		10000	11		P
Antimony	ug/L	75 - 125	540		3.58	J	400	134		P
Arsenic	ug/L	75 - 125	496		10.0	U	400	124		P
Selenium	ug/L	75 - 125	1270		10.0	U	1000	127		P
Silver	ug/L	75 - 125	63.1		5.00	U	37.5	168		P
Zinc	ug/L	75 - 125	161		19.8	J	100	141		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: Water **Level:** LOW **Client ID:** 34839-40A

Sample ID: P4546-03 **Spiked ID:** P4546-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	4.38		0.28		4.00	103		CV

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: Solid **Sample ID:** P4443-01 **Client ID:** OG-315-HR-502-COMP-29DUP

Percent Solids for Sample: 92 **Duplicate ID** P4443-01DUP **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.14		0.14		1		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: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: Solid **Sample ID:** P4443-01MS **Client ID:** OG-315-HR-502-COMP-29MSD

Percent Solids for Sample: 92 **Duplicate ID** P4443-01MSD **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.46		0.47		1		CV

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: Solid **Sample ID:** P4460-03 **Client ID:** WB-303-BOTDUP

Percent Solids for Sample: 80.1 **Duplicate ID** P4460-03DUP **Percent Solids for Spike Sample:** 80.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7450		6620		12		P
Antimony	mg/Kg	20	3.03	U	2.68	U			P
Arsenic	mg/Kg	20	1.46		1.37		6		P
Barium	mg/Kg	20	26.9		23.9		12		P
Beryllium	mg/Kg	20	0.68		0.60		12		P
Cadmium	mg/Kg	20	2.27		2.02		12		P
Calcium	mg/Kg	20	2810		2510		11		P
Chromium	mg/Kg	20	14.6		12.8		13		P
Cobalt	mg/Kg	20	10.5		9.16		13		P
Copper	mg/Kg	20	16.5		14.6		12		P
Iron	mg/Kg	20	18500		16000		14		P
Lead	mg/Kg	20	9.67		8.50		13		P
Magnesium	mg/Kg	20	4680		4180		11		P
Manganese	mg/Kg	20	273		243		12		P
Nickel	mg/Kg	20	19.8		17.3		13		P
Potassium	mg/Kg	20	1320		1140		15		P
Selenium	mg/Kg	20	1.21	U	1.07	U			P
Silver	mg/Kg	20	0.61	U	0.54	U			P
Sodium	mg/Kg	20	1020		883		14		P
Thallium	mg/Kg	20	2.42	U	2.14	U			P
Vanadium	mg/Kg	20	18.2		16.2		12		P
Zinc	mg/Kg	20	40.5		35.5		13		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: Solid **Sample ID:** P4460-03MS **Client ID:** WB-303-BOTMSD

Percent Solids for Sample: 80.1 **Duplicate ID** P4460-03MSD **Percent Solids for Spike Sample:** 80.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5620		5190		8		P
Antimony	mg/Kg	20	28.5		26.4		8		P
Arsenic	mg/Kg	20	34.7		32.2		7		P
Barium	mg/Kg	20	27.2		24.8		9		P
Beryllium	mg/Kg	20	8.36		7.78		7		P
Cadmium	mg/Kg	20	11.6		10.8		8		P
Calcium	mg/Kg	20	3480		3220		8		P
Chromium	mg/Kg	20	28.7		26.7		7		P
Cobalt	mg/Kg	20	18.3		17.0		7		P
Copper	mg/Kg	20	24.7		22.8		8		P
Iron	mg/Kg	20	13600		12700		7		P
Lead	mg/Kg	20	55.2		51.4		7		P
Magnesium	mg/Kg	20	4170		3850		8		P
Manganese	mg/Kg	20	255		235		8		P
Nickel	mg/Kg	20	40.8		37.9		7		P
Potassium	mg/Kg	20	1380		1290		7		P
Selenium	mg/Kg	20	75.9		70.6		7		P
Silver	mg/Kg	20	3.44		3.23		6		P
Sodium	mg/Kg	20	953		889		7		P
Thallium	mg/Kg	20	94.0		87.1		8		P
Vanadium	mg/Kg	20	26.3		24.3		8		P
Zinc	mg/Kg	20	39.0		36.3		7		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: Water **Sample ID:** P4460-06 **Client ID:** WB-303-SWDUP

Percent Solids for Sample: NA **Duplicate ID** P4460-06DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	426		426		0		P
Antimony	ug/L	20	3.58	J	3.10	J	14		P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	28.9	J	28.9	J	0		P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	201000		201000		0		P
Chromium	ug/L	20	2.34	J	1.76	J	28		P
Cobalt	ug/L	20	15.0	U	15.0	U			P
Copper	ug/L	20	10.0	U	10.0	U			P
Iron	ug/L	20	574		556		3		P
Lead	ug/L	20	6.00	U	6.00	U			P
Magnesium	ug/L	20	704000		693000		2		P
Manganese	ug/L	20	68.4		67.1		2		P
Nickel	ug/L	20	1.58	J	1.61	J	2		P
Potassium	ug/L	20	468000		457000		2		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	6160000	D	6030000	D	2		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	19.8	J	19.2	J	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

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: Water **Sample ID:** P4460-06MS **Client ID:** WB-303-SWMSD

Percent Solids for Sample: NA **Duplicate ID** P4460-06MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1580		1720		8		P
Antimony	ug/L	20	558		599		7		P
Arsenic	ug/L	20	508		544		7		P
Barium	ug/L	20	125		133		6		P
Beryllium	ug/L	20	108		111		3		P
Cadmium	ug/L	20	83.3		87.7		5		P
Calcium	ug/L	20	206000		210000		2		P
Chromium	ug/L	20	160		167		4		P
Cobalt	ug/L	20	91.7		97.1		6		P
Copper	ug/L	20	125		132		5		P
Iron	ug/L	20	2150		2190		2		P
Lead	ug/L	20	413		434		5		P
Magnesium	ug/L	20	720000		711000		1		P
Manganese	ug/L	20	155		158		2		P
Nickel	ug/L	20	223		235		5		P
Potassium	ug/L	20	438000		487000		11		P
Selenium	ug/L	20	1310		1400		7		P
Silver	ug/L	20	67.2		70.5		5		P
Sodium	ug/L	20	6450000	D	6320000	D	2		P
Thallium	ug/L	20	825		882		7		P
Vanadium	ug/L	20	147		152		3		P
Zinc	ug/L	20	174		182		4		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: Water **Sample ID:** P4546-03 **Client ID:** 34839-40DUP

Percent Solids for Sample: NA **Duplicate ID** P4546-03DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.28		0.26		6		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: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: Water **Sample ID:** P4546-03MS **Client ID:** 34839-40MSD

Percent Solids for Sample: NA **Duplicate ID** P4546-03MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	2.53		2.27		11		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164289BS							
Aluminum	mg/Kg	87.7	79.7		91	80 - 120	P
Antimony	mg/Kg	35.1	33.9		97	80 - 120	P
Arsenic	mg/Kg	35.1	32.1		92	80 - 120	P
Barium	mg/Kg	8.8	7.65		87	80 - 120	P
Beryllium	mg/Kg	8.8	8.05		92	80 - 120	P
Cadmium	mg/Kg	8.8	7.63		87	80 - 120	P
Calcium	mg/Kg	43.9	50.5	J	115	80 - 120	P
Chromium	mg/Kg	17.5	16.3		93	80 - 120	P
Cobalt	mg/Kg	8.8	8.26		94	80 - 120	P
Copper	mg/Kg	13.2	13.2		100	80 - 120	P
Iron	mg/Kg	130	146		112	80 - 120	P
Lead	mg/Kg	43.9	39.3		90	80 - 120	P
Magnesium	mg/Kg	87.7	84.4	J	96	80 - 120	P
Manganese	mg/Kg	8.8	9.51		108	80 - 120	P
Nickel	mg/Kg	21.9	21.0		96	80 - 120	P
Potassium	mg/Kg	440	437		99	80 - 120	P
Selenium	mg/Kg	87.7	82.9		94	80 - 120	P
Silver	mg/Kg	3.3	3.22		98	80 - 120	P
Sodium	mg/Kg	130	120		92	80 - 120	P
Thallium	mg/Kg	87.7	88.4		101	80 - 120	P
Vanadium	mg/Kg	13.2	13.7		104	80 - 120	P
Zinc	mg/Kg	8.8	8.90		101	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164322BS							
Mercury	mg/Kg	0.27	0.29		106	80 - 124	CV

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164347BS							
Aluminum	ug/L	1000	902		90	80 - 120	P
Antimony	ug/L	400	383		96	80 - 120	P
Arsenic	ug/L	400	361		90	80 - 120	P
Barium	ug/L	100	86.3		86	80 - 120	P
Beryllium	ug/L	100	92.3		92	80 - 120	P
Cadmium	ug/L	100	86.6		87	80 - 120	P
Calcium	ug/L	500	567	J	113	80 - 120	P
Chromium	ug/L	200	189		94	80 - 120	P
Cobalt	ug/L	100	93.8		94	80 - 120	P
Copper	ug/L	150	149		99	80 - 120	P
Iron	ug/L	1500	1690		113	80 - 120	P
Lead	ug/L	500	445		89	80 - 120	P
Magnesium	ug/L	1000	964	J	96	80 - 120	P
Manganese	ug/L	100	108		108	80 - 120	P
Nickel	ug/L	250	238		95	80 - 120	P
Potassium	ug/L	5000	5030		101	80 - 120	P
Selenium	ug/L	1000	933		93	80 - 120	P
Silver	ug/L	37.5	37.1		99	80 - 120	P
Sodium	ug/L	1500	1390		93	80 - 120	P
Thallium	ug/L	1000	1000		100	80 - 120	P
Vanadium	ug/L	150	157		105	80 - 120	P
Zinc	ug/L	100	101		101	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164407BS							
Mercury	ug/L	4.0	4.04		101	82 - 119	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

OG-315-HR-502-COMP-29L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb133043 **Lab Sample ID :** P4443-01L **SDG No.:** P4460

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	0.14		0.11		27		CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WB-303-BOTL

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb133086 **Lab Sample ID :** P4460-03L **SDG No.:** P4460

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	7450		8640		16		P
Antimony	3.03	U	15.2	U			P
Arsenic	1.46		6.06	U	100.0		P
Barium	26.9		31.7		18		P
Beryllium	0.68		0.88	J	29		P
Cadmium	2.27		1.63	J	28		P
Calcium	2810		3420		22		P
Chromium	14.6		17.8		22		P
Cobalt	10.5		10.7		2		P
Copper	16.5		21.6		31		P
Iron	18500		22200		20		P
Lead	9.67		10.5		9		P
Magnesium	4680		5490		17		P
Manganese	273		332		22		P
Nickel	19.8		20.7		4		P
Potassium	1320		1460		11		P
Selenium	1.21	U	6.06	U			P
Silver	0.61	U	3.03	U			P
Sodium	1020		1140		11		P
Thallium	2.42	U	12.1	U			P
Vanadium	18.2		21.7		19		P
Zinc	40.5		48.3		19		P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WB-303-SWL

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb133110 **Lab Sample ID :** P4460-06L **SDG No.:** P4460

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	426		301		29		P
Antimony	3.58	J	125	U	100.0		P
Arsenic	10.0	U	50.0	U			P
Barium	28.9	J	250	U	100.0		P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	201000		237000		18		P
Chromium	2.34	J	25.0	U	100.0		P
Cobalt	15.0	U	75.0	U			P
Copper	10.0	U	50.0	U			P
Iron	574		557		3		P
Lead	6.00	U	30.0	U			P
Magnesium	704000		851000		21		P
Manganese	68.4		76.1		11		P
Nickel	1.58	J	100	U	100.0		P
Potassium	468000		313000		33		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	6160000	D	5680000	D	8		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	19.8	J	15.6	J	22		P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

34839-40L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb133129 **Lab Sample ID :** P4546-03L **SDG No.:** P4460

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.28		1.00	U	100.0		CV

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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133043

Start date: 10/22/2024 **End date:** 10/22/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1134	HG
S0.2	S0.2	1	1137	HG
S2.5	S2.5	1	1139	HG
S5	S5	1	1141	HG
S7.5	S7.5	1	1144	HG
S10	S10	1	1151	HG
ICV47	ICV47	1	1154	HG
ICB47	ICB47	1	1157	HG
CCV52	CCV52	1	1159	HG
CCB52	CCB52	1	1201	HG
CRA	CRA	1	1203	HG
PB164322BL	PB164322BL	1	1213	HG
PB164322BS	PB164322BS	1	1215	HG
P4443-01DUP	OG-315-HR-502-COMP-29DUP	1	1232	HG
P4443-01MS	OG-315-HR-502-COMP-29MS	1	1234	HG
CCV53	CCV53	1	1236	HG
CCB53	CCB53	1	1239	HG
P4443-01MSD	OG-315-HR-502-COMP-29MSI	1	1241	HG
P4460-03	WB-303-BOT	1	1255	HG
CCV54	CCV54	1	1304	HG
CCB54	CCB54	1	1307	HG
P4443-01L	OG-315-HR-502-COMP-29L	5	1323	HG
P4460-02	WB-303-TOP	10	1327	HG
CCV55	CCV55	1	1329	HG
CCB55	CCB55	1	1332	HG

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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133086

Start date: 10/23/2024 **End date:** 10/23/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1424	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	1428	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	1432	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	1437	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	1441	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	1445	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	1459	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	1511	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	1516	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	1522	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	1526	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	1532	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	1557	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	1602	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	1648	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	1652	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	1742	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	1746	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-02	WB-303-TOP	1	1755	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-03	WB-303-BOT	1	1759	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-03DUP	WB-303-BOTDUP	1	1804	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-03L	WB-303-BOTL	5	1808	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-03MS	WB-303-BOTMS	1	1812	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-03MSD	WB-303-BOTMSD	1	1816	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-03A	WB-303-BOTA	1	1820	Ba,Be,Co,Cr,Cu,K,Ni,Sb,Se,V,Zn
CCV04	CCV04	1	1832	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	1836	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	1923	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	1928	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	2015	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	2021	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	2128	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	2134	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	2220	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	2225	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133110

Start date: 10/24/2024 **End date:** 10/25/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1214	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	1218	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	1223	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	1227	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	1231	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	1235	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	1326	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	1330	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	1334	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	1338	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	1343	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	1354	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	1406	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	1411	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	1453	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	1457	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	1506	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	1512	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	1558	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	1602	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	1655	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	1659	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	1746	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	1750	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	1837	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	1841	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06	WB-303-SW	1	1900	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06DUP	WB-303-SWDUP	1	1904	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06L	WB-303-SWL	5	1909	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06MS	WB-303-SWMS	1	1914	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06MSD	WB-303-SWMSD	1	1919	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06A	WB-303-SWA	1	1923	Ag,Al,As,Sb,Se,Zn
CCV08	CCV08	1	1932	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1945	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164347BL	PB164347BL	1	1949	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	2031	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2036	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2122	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2128	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV11	CCV11	1	2215	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	2220	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133110

Start date: 10/24/2024 **End date:** 10/25/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV12	CCV12	1	2309	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB12	CCB12	1	2313	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164347BS	PB164347BS	1	2317	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164289BL	PB164289BL	1	2337	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB164289BS	PB164289BS	1	2341	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV13	CCV13	1	2358	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB13	CCB13	1	0002	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV14	CCV14	1	0052	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB14	CCB14	1	0056	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV15	CCV15	1	0145	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB15	CCB15	1	0150	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV16	CCV16	1	0244	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB16	CCB16	1	0248	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133129

Start date: 10/25/2024 **End date:** 10/25/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1151	HG
S0.2	S0.2	1	1153	HG
S2.5	S2.5	1	1155	HG
S5	S5	1	1158	HG
S7.5	S7.5	1	1203	HG
S10	S10	1	1207	HG
ICV53	ICV53	1	1221	HG
ICB53	ICB53	1	1223	HG
CCV73	CCV73	1	1225	HG
CCB73	CCB73	1	1230	HG
CRA	CRA	1	1233	HG
PB164407BL	PB164407BL	1	1242	HG
PB164407BS	PB164407BS	1	1244	HG
P4460-06	WB-303-SW	1	1254	HG
CCV74	CCV74	1	1300	HG
CCB74	CCB74	1	1306	HG
P4546-03DUP	34839-40DUP	1	1319	HG
P4546-03MS	34839-40MS	1	1321	HG
P4546-03MSD	34839-40MSD	1	1323	HG
P4546-03L	34839-40L	5	1325	HG
P4546-03A	34839-40A	1	1328	HG
CCV75	CCV75	1	1330	HG
CCB75	CCB75	1	1332	HG

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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133257

Start date: 11/01/2024 **End date:** 11/01/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1506	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	1510	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	1514	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	1518	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	1523	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	1527	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	1531	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	1535	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	1540	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	1544	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	1548	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	1558	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	1603	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	1607	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	1656	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	1700	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	1757	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	1801	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
P4460-06	WB-303-SW	25	1805	Na
P4460-06DUP	WB-303-SWDUP	25	1810	Na
P4460-06L	WB-303-SWL	125	1814	Na
P4460-06MS	WB-303-SWMS	25	1818	Na
P4460-06MSD	WB-303-SWMSD	25	1823	Na
CCV04	CCV04	1	1855	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	1859	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	1918	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	1922	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

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

Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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:	P4460	**OrderDate:**	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	**WB-303-TOP**	**SOIL**			**10/18/24**			**10/18/24**
			Mercury	7471B		10/21/24	10/22/24	
			Metals ICP-TAL	6010D		10/21/24	10/23/24	
P4460-03	**WB-303-BOT**	**SOIL**			**10/18/24**			**10/18/24**
			Mercury	7471B		10/21/24	10/22/24	
			Metals ICP-TAL	6010D		10/21/24	10/23/24	
P4460-04	**WB-303-BOT**	**TCLP**			**10/18/24**			**10/18/24**
			TCLP ICP Metals	6010D		10/21/24	10/23/24	
			TCLP Mercury	7470A		10/22/24	10/23/24	
P4460-06	**WB-303-SW**	**Water**			**10/18/24**			**10/18/24**
			Mercury	7470A		10/24/24	10/25/24	
			Metals ICP-TAL	6010D		10/23/24	10/24/24	
			Metals ICP-TAL	6010D		10/23/24	11/01/24	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: P4460 **SAS No.:** P4460

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164289**						
P4460-02	WB-303-TOP	SAM	SOLID	10/21/2024	2.21	100.0	51.50
P4460-03	WB-303-BOT	SAM	SOLID	10/21/2024	2.06	100.0	80.10
P4460-03DUP	WB-303-BOTDUP	DUP	SOLID	10/21/2024	2.33	100.0	80.10
P4460-03MS	WB-303-BOTMS	MS	SOLID	10/21/2024	2.26	100.0	80.10
P4460-03MSD	WB-303-BOTMSD	MSD	SOLID	10/21/2024	2.44	100.0	80.10
PB164289BL	PB164289BL	MB	SOLID	10/21/2024	2.28	100.0	100.00
PB164289BS	PB164289BS	LCS	SOLID	10/21/2024	2.28	100.0	100.00

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: P4460 **SAS No.:** P4460

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164322**						
P3390-02	LOQ-SOIL-02-QT3-2024	LCS	SOLID	10/21/2024	0.50	35.0	100.00
P4443-01DUP	OG-315-HR-502-COMP-29DUP	DUP	SOLID	10/21/2024	0.56	35.0	92.00
P4443-01MS	OG-315-HR-502-COMP-29MS	MS	SOLID	10/21/2024	0.57	35.0	92.00
P4443-01MSD	OG-315-HR-502-COMP-29MSD	MSD	SOLID	10/21/2024	0.55	35.0	92.00
P4460-02	WB-303-TOP	SAM	SOLID	10/21/2024	0.50	35.0	51.50
P4460-03	WB-303-BOT	SAM	SOLID	10/21/2024	0.55	35.0	80.10
PB164322BL	PB164322BL	MB	SOLID	10/21/2024	0.57	35.0	100.00
PB164322BS	PB164322BS	LCS	SOLID	10/21/2024	0.52	35.0	100.00

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: P4460 **SAS No.:** P4460

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164347**						
P4460-06	WB-303-SW	SAM	WATER	10/23/2024	50.0	25.0	
P4460-06DUP	WB-303-SWDUP	DUP	WATER	10/23/2024	50.0	25.0	
P4460-06MS	WB-303-SWMS	MS	WATER	10/23/2024	50.0	25.0	
P4460-06MSD	WB-303-SWMSD	MSD	WATER	10/23/2024	50.0	25.0	
PB164347BL	PB164347BL	MB	WATER	10/23/2024	50.0	25.0	
PB164347BS	PB164347BS	LCS	WATER	10/23/2024	50.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: P4460 **SAS No.:** P4460

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164407**						
P4460-06	WB-303-SW	SAM	WATER	10/24//2024	30.0	30.0	
P4546-03DUP	34839-40DUP	DUP	WATER	10/24/2024	30.0	30.0	
P4546-03MS	34839-40MS	MS	WATER	10/24/2024	30.0	30.0	
P4546-03MSD	34839-40MSD	MSD	WATER	10/24/2024	30.0	30.0	
PB164407BL	PB164407BL	MB	WATER	10/24/2024	30.0	30.0	
PB164407BS	PB164407BS	LCS	WATER	10/24/2024	30.0	30.0	

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133043

Review By	jaswal	Review On	10/23/2024 11:18:07 PM
Supervise By	mohan	Supervise On	10/23/2024 11:20:31 PM

STD. NAME	STD REF.#
ICAL Standard	MP82839,MP82841,MP82842,MP82843,MP82844,MP82845
ICV Standard	MP82846
CCV Standard	MP82848
ICSA Standard	
CRI Standard	MP82850
LCS Standard	
Chk Standard	MP82847,MP82849,MP82851,MP82864

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/22/24 11:34		Mohan	OK
2	S0.2	S0.2	CAL2	10/22/24 11:37		Mohan	OK
3	S2.5	S2.5	CAL3	10/22/24 11:39		Mohan	OK
4	S5	S5	CAL4	10/22/24 11:41		Mohan	OK
5	S7.5	S7.5	CAL5	10/22/24 11:44		Mohan	OK
6	S10	S10	CAL6	10/22/24 11:51		Mohan	OK
7	ICV47	ICV47	ICV	10/22/24 11:54		Mohan	OK
8	ICB47	ICB47	ICB	10/22/24 11:57		Mohan	OK
9	CCV52	CCV52	CCV	10/22/24 11:59		Mohan	OK
10	CCB52	CCB52	CCB	10/22/24 12:01		Mohan	OK
11	CRA	CRA	CRDL	10/22/24 12:03		Mohan	OK
12	HighStd	HighStd	HIGH STD	10/22/24 12:06		Mohan	OK
13	ChkStd	ChkStd	SAM	10/22/24 12:08		Mohan	OK
14	PB164322BL	PB164322BL	MB	10/22/24 12:13		Mohan	OK
15	PB164322BS	PB164322BS	LCS	10/22/24 12:15		Mohan	OK
16	P3390-01	LOD-MDL-SOIL-01-Q	SAM	10/22/24 12:20		Mohan	OK
17	P3390-02	LOQ-SOIL-02-QT3-20	LCS	10/22/24 12:22	True Value - 0.014 = Recovery - 107%	Mohan	OK
18	P4443-01	OG-315-HR-502-COM	SAM	10/22/24 12:30		Mohan	OK

Alliance TECHNICAL GROUP
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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133043

Review By	jaswal	Review On	10/23/2024 11:18:07 PM
Supervise By	mohan	Supervise On	10/23/2024 11:20:31 PM

STD. NAME	STD REF.#
ICAL Standard	MP82839,MP82841,MP82842,MP82843,MP82844,MP82845
ICV Standard	MP82846
CCV Standard	MP82848
ICSA Standard	
CRI Standard	MP82850
LCS Standard	
Chk Standard	MP82847,MP82849,MP82851,MP82864

19	P4443-01DUP	OG-315-HR-502-COM	DUP	10/22/24 12:32		Mohan	OK
20	P4443-01MS	OG-315-HR-502-COM	MS	10/22/24 12:34		Mohan	OK
21	CCV53	CCV53	CCV	10/22/24 12:36		Mohan	OK
22	CCB53	CCB53	CCB	10/22/24 12:39		Mohan	OK
23	P4443-01MSD	OG-315-HR-502-COM	MSD	10/22/24 12:41		Mohan	OK
24	P4443-06	OG-315-HR-502-COM	SAM	10/22/24 12:43		Mohan	OK
25	P4452-01	ETGI-285	SAM	10/22/24 12:46		Mohan	OK
26	P4455-01	SU-4-101824	SAM	10/22/24 12:48		Mohan	OK
27	P4458-01	280517	SAM	10/22/24 12:50		Mohan	OK
28	P4460-02	WB-303-TOP	SAM	10/22/24 12:53	Hg High	Mohan	Dilution
29	P4460-03	WB-303-BOT	SAM	10/22/24 12:55		Mohan	OK
30	P4467-01	TP-1	SAM	10/22/24 12:57		Mohan	OK
31	P4468-01	ETGI-331	SAM	10/22/24 13:00		Mohan	OK
32	P4468-03	ETGI-329	SAM	10/22/24 13:02		Mohan	OK
33	CCV54	CCV54	CCV	10/22/24 13:04		Mohan	OK
34	CCB54	CCB54	CCB	10/22/24 13:07		Mohan	OK
35	P4468-05	ETGI-345	SAM	10/22/24 13:09		Mohan	OK
36	P4470-01	CL-01-102124	SAM	10/22/24 13:11		Mohan	OK
37	P4471-01	B-180-SB01	SAM	10/22/24 13:13		Mohan	OK
38	P4471-02	B-180-SB02	SAM	10/22/24 13:16		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133043

Review By	jaswal	Review On	10/23/2024 11:18:07 PM
Supervise By	mohan	Supervise On	10/23/2024 11:20:31 PM

STD. NAME	STD REF.#
ICAL Standard	MP82839,MP82841,MP82842,MP82843,MP82844,MP82845
ICV Standard	MP82846
CCV Standard	MP82848
ICSA Standard	
CRI Standard	MP82850
LCS Standard	
Chk Standard	MP82847,MP82849,MP82851,MP82864

39	P4472-01	BP-F-28	SAM	10/22/24 13:18		Mohan	OK
40	P4472-05	BP-F-6	SAM	10/22/24 13:20		Mohan	OK
41	P4443-01L	OG-315-HR-502-COM	SD	10/22/24 13:23		Mohan	OK
42	P4443-01A	OG-315-HR-502-COM	PS	10/22/24 13:25		Mohan	OK
43	P4460-02DL	WB-303-TOPDL	SAM	10/22/24 13:27	10X for Hg	Mohan	Confirms
44	CCV55	CCV55	CCV	10/22/24 13:29		Mohan	OK
45	CCB55	CCB55	CCB	10/22/24 13:32		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/23/24 14:24		Kareem	OK
2	S1	S1	CAL2	10/23/24 14:28		Kareem	OK
3	S2	S2	CAL3	10/23/24 14:32		Kareem	OK
4	S3	S3	CAL4	10/23/24 14:37		Kareem	OK
5	S4	S4	CAL5	10/23/24 14:41		Kareem	OK
6	S5	S5	CAL6	10/23/24 14:45		Kareem	OK
7	ICV01	ICV01	ICV	10/23/24 14:59		Kareem	OK
8	LLICV01	LLICV01	LLICV	10/23/24 15:11		Kareem	OK
9	ICB01	ICB01	ICB	10/23/24 15:16		Kareem	OK
10	CRI01	CRI01	CRDL	10/23/24 15:22		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/23/24 15:26		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/23/24 15:32		Kareem	OK
13	ICSADL	ICSADL	ICSA	10/23/24 15:36		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	10/23/24 15:40		Kareem	OK
15	CCV01	CCV01	CCV	10/23/24 15:57		Kareem	OK
16	CCB01	CCB01	CCB	10/23/24 16:02		Kareem	OK
17	P4458-02	280517	SAM	10/23/24 16:06		Kareem	OK
18	P4458-01	280517	SAM	10/23/24 16:10		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

19	P4443-05	OG-315-HR-502-COM	SAM	10/23/24 16:15		Kareem	OK
20	P4443-10	OG-315-HR-502-COM	SAM	10/23/24 16:19		Kareem	OK
21	P4443-01	OG-315-HR-502-COM	SAM	10/23/24 16:23		Kareem	OK
22	P4443-06	OG-315-HR-502-COM	SAM	10/23/24 16:28		Kareem	OK
23	P4452-01	ETGI-285	SAM	10/23/24 16:32	Ca,Cr high	Kareem	Dilution
24	P4452-01DL	ETGI-285DL	SAM	10/23/24 16:44	5x for Ca,Cr	Kareem	Confirms
25	CCV02	CCV02	CCV	10/23/24 16:48		Kareem	OK
26	CCB02	CCB02	CCB	10/23/24 16:52		Kareem	OK
27	P4397-06	WB-301-BOT	SAM	10/23/24 16:59		Kareem	OK
28	P4460-04	WB-303-BOT	SAM	10/23/24 17:03		Kareem	OK
29	P4460-04DUP	WB-303-BOTDUP	DUP	10/23/24 17:08		Kareem	OK
30	P4460-04L	WB-303-BOTL	SD	10/23/24 17:12		Kareem	OK
31	P4460-04MS	WB-303-BOTMS	MS	10/23/24 17:17	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
32	P4460-04MSD	WB-303-BOTMSD	MSD	10/23/24 17:21	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
33	P4460-04A	WB-303-BOTA	PS	10/23/24 17:25	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
34	PB164261TB	PB164261TB	MB	10/23/24 17:29		Kareem	OK
35	PB164298BL	PB164298BL	MB	10/23/24 17:34		Kareem	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

36	PB164298BS	PB164298BS	LCS	10/23/24 17:38	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
37	CCV03	CCV03	CCV	10/23/24 17:42		Kareem	OK
38	CCB03	CCB03	CCB	10/23/24 17:46		Kareem	OK
39	P4456-01	PAD-10182024	SAM	10/23/24 17:51		Kareem	OK
40	P4460-02	WB-303-TOP	SAM	10/23/24 17:55		Kareem	OK
41	P4460-03	WB-303-BOT	SAM	10/23/24 17:59	MS-MSD Fail for more than 50% parameter	Kareem	OK
42	P4460-03DUP	WB-303-BOTDUP	DUP	10/23/24 18:04	MS-MSD Fail for more than 50% parameter	Kareem	OK
43	P4460-03L	WB-303-BOTL	SD	10/23/24 18:08	MS-MSD Fail for more than 50% parameter	Kareem	OK
44	P4460-03MS	WB-303-BOTMS	MS	10/23/24 18:12	MS-MSD Fail for more than 50% parameter	Kareem	OK
45	P4460-03MSD	WB-303-BOTMSD	MSD	10/23/24 18:16	MS-MSD Fail for more than 50% parameter	Kareem	OK
46	P4460-03A	WB-303-BOTA	PS	10/23/24 18:20	MS-MSD Fail for more than 50% parameter	Kareem	OK
47	PB164289BL	PB164289BL	MB	10/23/24 18:24	Fail for Al	Kareem	Not Ok
48	PB164289BS	PB164289BS	LCS	10/23/24 18:28	Fail for Al,Sb,As,Ba,Be,Cd,Pb,Mg, Mn,Se,Tl,V	Kareem	Not Ok
49	CCV04	CCV04	CCV	10/23/24 18:32		Kareem	OK
50	CCB04	CCB04	CCB	10/23/24 18:36		Kareem	OK
51	PB164244BL	PB164244BL	MB	10/23/24 18:41		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

52	PB164244BS	PB164244BS	LCS	10/23/24 18:45	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
53	PB164195TB	PB164195TB	MB	10/23/24 18:49		Kareem	OK
54	PB164197TB	PB164197TB	MB	10/23/24 18:54		Kareem	OK
55	PB164248BL	PB164248BL	MB	10/23/24 18:58		Kareem	OK
56	PB164248BS	PB164248BS	LCS	10/23/24 19:03	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
57	PB164174BL	PB164174BL	MB	10/23/24 19:07		Kareem	OK
58	PB164174BS	PB164174BS	LCS	10/23/24 19:11	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
59	PB164221BL	PB164221BL	MB	10/23/24 19:15		Kareem	OK
60	PB164221BS	PB164221BS	LCS	10/23/24 19:19	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
61	CCV05	CCV05	CCV	10/23/24 19:23		Kareem	OK
62	CCB05	CCB05	CCB	10/23/24 19:28		Kareem	OK
63	PB164222BL	PB164222BL	MB	10/23/24 19:32		Kareem	OK
64	PB164222BS	PB164222BS	LCS	10/23/24 19:36	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
65	PB164220BL	PB164220BL	MB	10/23/24 19:40		Kareem	OK
66	PB164220BS	PB164220BS	LCS	10/23/24 19:45	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

67	P4424-01	1-N-1	SAM	10/23/24 19:49		Kareem	OK
68	P4424-01DUP	1-N-1DUP	DUP	10/23/24 19:53		Kareem	OK
69	P4424-01L	1-N-1L	SD	10/23/24 19:58		Kareem	OK
70	P4424-01MS	1-N-1MS	MS	10/23/24 20:02	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
71	P4424-01MSD	1-N-1MSD	MSD	10/23/24 20:06	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
72	P4424-01A	1-N-1A	PS	10/23/24 20:11	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
73	CCV06	CCV06	CCV	10/23/24 20:15		Kareem	OK
74	CCB06	CCB06	CCB	10/23/24 20:21		Kareem	OK
75	P4424-02	1-S-1	SAM	10/23/24 20:25		Kareem	OK
76	P4424-03	1-B-1	SAM	10/23/24 20:30		Kareem	OK
77	P4397-04DL	WB-301-SWDL	SAM	10/23/24 20:47	Not Use	Kareem	Not Ok
78	P4397-04DUPDL	WB-301-SWDUPDL	DUP	10/23/24 20:51	Not Use	Kareem	Not Ok
79	P4397-04LDL	WB-301-SWLDL	SD	10/23/24 20:56	Not Use	Kareem	Not Ok
80	P4397-04MSDL	WB-301-SWMSDL	MS	10/23/24 21:00	Not Use	Kareem	Not Ok
81	P4397-04MSDDL	WB-301-SWMSDDL	MSD	10/23/24 21:05	Not Use	Kareem	Not Ok
82	LR1	LR1	HIGH STD	10/23/24 21:11		Kareem	OK
83	LR2	LR2	HIGH STD	10/23/24 21:16		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

84	CCV07	CCV07	CCV	10/23/24 21:28		Kareem	OK
85	CCB07	CCB07	CCB	10/23/24 21:34		Kareem	OK
86	P4397-04ADL	WB-301-SWADL	PS	10/23/24 21:39	Not Use	Kareem	Not Ok
87	P4347-01	EFFLUENT-DAY-1-MI	SAM	10/23/24 21:43		Kareem	OK
88	P4347-01DUP	EFFLUENT-DAY-1-MI	DUP	10/23/24 21:47		Kareem	OK
89	P4347-01L	EFFLUENT-DAY-1-MI	SD	10/23/24 21:52		Kareem	OK
90	P4347-01MS	EFFLUENT-DAY-1-MI	MS	10/23/24 21:56	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
91	P4347-01MSD	EFFLUENT-DAY-1-MI	MSD	10/23/24 22:04	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
92	P4347-01A	EFFLUENT-DAY-1-MI	PS	10/23/24 22:08	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
93	PB164302BL	PB164302BL	MB	10/23/24 22:12		Kareem	OK
94	PB164302BS	PB164302BS	LCS	10/23/24 22:16	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
95	CCV08	CCV08	CCV	10/23/24 22:20		Kareem	OK
96	CCB08	CCB08	CCB	10/23/24 22:25		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/24/24 12:14		Kareem	OK
2	S1	S1	CAL2	10/24/24 12:18		Kareem	OK
3	S2	S2	CAL3	10/24/24 12:23		Kareem	OK
4	S3	S3	CAL4	10/24/24 12:27		Kareem	OK
5	S4	S4	CAL5	10/24/24 12:31		Kareem	OK
6	S5	S5	CAL6	10/24/24 12:35		Kareem	OK
7	ICV01	ICV01	ICV	10/24/24 13:26	Fail for Ba,Be,Cd,Cu,Mg,Mn,Ag,V, Zn (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	10/24/24 13:30		Kareem	OK
9	ICB01	ICB01	ICB	10/24/24 13:34		Kareem	OK
10	CRI01	CRI01	CRDL	10/24/24 13:38		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/24/24 13:43		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/24/24 13:54		Kareem	OK
13	ICSADL	ICSADL	ICSA	10/24/24 13:58		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	10/24/24 14:02		Kareem	OK
15	CCV01	CCV01	CCV	10/24/24 14:06		Kareem	OK
16	CCB01	CCB01	CCB	10/24/24 14:11		Kareem	OK
17	P4460-03	WB-303-BOT	SAM	10/24/24 14:15	NOT USE - For Conformation	Kareem	Not Ok

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

18	P4460-03DUP	WB-303-BOTDUP	DUP	10/24/24 14:19	NOT USE - For Conformation	Kareem	Not Ok
19	P4460-03L	WB-303-BOTL	SD	10/24/24 14:23	NOT USE - For Conformation	Kareem	Not Ok
20	P4460-03MS	WB-303-BOTMS	MS	10/24/24 14:28	NOT USE - For Conformation	Kareem	Not Ok
21	P4460-03MSD	WB-303-BOTMSD	MSD	10/24/24 14:32	NOT USE - For Conformation	Kareem	Not Ok
22	P4460-03A	WB-303-BOTA	PS	10/24/24 14:36	NOT USE - For Conformation	Kareem	Not Ok
23	P4473-01	TS-1	SAM	10/24/24 14:40		Kareem	OK
24	P4474-01	TS-2	SAM	10/24/24 14:44		Kareem	OK
25	P4486-01	EO-03-102224	SAM	10/24/24 14:49		Kareem	OK
26	CCV02	CCV02	CCV	10/24/24 14:53		Kareem	OK
27	CCB02	CCB02	CCB	10/24/24 14:57		Kareem	OK
28	P4489-01	RT-2675	SAM	10/24/24 15:01		Kareem	OK
29	CCV03	CCV03	CCV	10/24/24 15:06		Kareem	OK
30	CCB03	CCB03	CCB	10/24/24 15:12		Kareem	OK
31	P4485-01	D20241001-01-04	SAM	10/24/24 15:16		Kareem	OK
32	P4486-01DUP	EO-03-102224DUP	DUP	10/24/24 15:21		Kareem	OK
33	P4486-01L	EO-03-102224L	SD	10/24/24 15:25		Kareem	OK
34	P4486-01MS	EO-03-102224MS	MS	10/24/24 15:29	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

35	P4486-01MSD	EO-03-102224MSD	MSD	10/24/24 15:33	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
36	P4486-01A	EO-03-102224A	PS	10/24/24 15:37	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
37	P4487-01	BP-B5	SAM	10/24/24 15:41		Kareem	OK
38	P4487-05	BP-F27	SAM	10/24/24 15:45		Kareem	OK
39	PB164320BL	PB164320BL	MB	10/24/24 15:49		Kareem	OK
40	PB164320BS	PB164320BS	LCS	10/24/24 15:54	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
41	CCV04	CCV04	CCV	10/24/24 15:58		Kareem	OK
42	CCB04	CCB04	CCB	10/24/24 16:02		Kareem	OK
43	LR1	LR1	HIGH STD	10/24/24 16:08		Kareem	OK
44	LR2	LR2	HIGH STD	10/24/24 16:13		Kareem	OK
45	P4467-04	TP-1	SAM	10/24/24 16:19		Kareem	OK
46	P4468-02	ETGI-331	SAM	10/24/24 16:24		Kareem	OK
47	P4468-04	ETGI-329	SAM	10/24/24 16:28		Kareem	OK
48	P4468-06	ETGI-345	SAM	10/24/24 16:33		Kareem	OK
49	P4472-04	BP-F-28	SAM	10/24/24 16:37		Kareem	OK
50	P4472-08	BP-F-6	SAM	10/24/24 16:42		Kareem	OK
51	P4472-08DUP	BP-F-6DUP	DUP	10/24/24 16:46		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

52	P4472-08L	BP-F-6L	SD	10/24/24 16:50		Kareem	OK
53	CCV05	CCV05	CCV	10/24/24 16:55		Kareem	OK
54	CCB05	CCB05	CCB	10/24/24 16:59		Kareem	OK
55	P4472-08MS	BP-F-6MS	MS	10/24/24 17:03		Kareem	OK
56	P4472-08MSD	BP-F-6MSD	MSD	10/24/24 17:08		Kareem	OK
57	P4472-08A	BP-F-6A	PS	10/24/24 17:12	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
58	PB164301TB	PB164301TB	MB	10/24/24 17:16		Kareem	OK
59	PB164319BL	PB164319BL	MB	10/24/24 17:21		Kareem	OK
60	PB164319BS	PB164319BS	LCS	10/24/24 17:25	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
61	P4467-01	TP-1	SAM	10/24/24 17:29		Kareem	OK
62	P4468-01	ETGI-331	SAM	10/24/24 17:33		Kareem	OK
63	P4468-03	ETGI-329	SAM	10/24/24 17:37		Kareem	OK
64	P4468-05	ETGI-345	SAM	10/24/24 17:41		Kareem	OK
65	CCV06	CCV06	CCV	10/24/24 17:46		Kareem	OK
66	CCB06	CCB06	CCB	10/24/24 17:50		Kareem	OK
67	P4470-01	CL-01-102124	SAM	10/24/24 17:56		Kareem	OK
68	P4470-01DUP	CL-01-102124DUP	DUP	10/24/24 18:00		Kareem	OK
69	P4470-01L	CL-01-102124L	SD	10/24/24 18:04		Kareem	OK

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Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

70	P4471-01	B-180-SB01	SAM	10/24/24 18:20		Kareem	OK
71	P4471-02	B-180-SB02	SAM	10/24/24 18:24		Kareem	OK
72	P4472-01	BP-F-28	SAM	10/24/24 18:28		Kareem	OK
73	P4472-05	BP-F-6	SAM	10/24/24 18:32		Kareem	OK
74	CCV07	CCV07	CCV	10/24/24 18:37		Kareem	OK
75	CCB07	CCB07	CCB	10/24/24 18:41		Kareem	OK
76	PB164317BL	PB164317BL	MB	10/24/24 18:45		Kareem	OK
77	P4423-02	COMP	SAM	10/24/24 18:55		Kareem	OK
78	P4460-06	WB-303-SW	SAM	10/24/24 19:00	Na (Oversaturated)	Kareem	Dilution
79	P4460-06DUP	WB-303-SWDUP	DUP	10/24/24 19:04	Na (Oversaturated)	Kareem	Dilution
80	P4460-06L	WB-303-SWL	SD	10/24/24 19:09	Na high	Kareem	Dilution
81	P4460-06MS	WB-303-SWMS	MS	10/24/24 19:14	Na (Oversaturated), 0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	Dilution
82	P4460-06MSD	WB-303-SWMSD	MSD	10/24/24 19:19	Na (Oversaturated), 0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	Dilution
83	P4460-06A	WB-303-SWA	PS	10/24/24 19:23	Na (Oversaturated), 0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	Dilution
84	P4485-03	D20241001-02-03	SAM	10/24/24 19:28		Kareem	OK
85	CCV08	CCV08	CCV	10/24/24 19:32		Kareem	OK
86	CCB08	CCB08	CCB	10/24/24 19:45		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

87	PB164347BL	PB164347BL	MB	10/24/24 19:49		Kareem	OK
88	PB164347BSRE	PB164347BSRE	LCS	10/24/24 19:53	NOT USE	Kareem	Not Ok
89	P4508-01	TP-3	SAM	10/24/24 19:57		Kareem	OK
90	P4508-05	BP-F23	SAM	10/24/24 20:01		Kareem	OK
91	P4508-09	BP-F22	SAM	10/24/24 20:06		Kareem	OK
92	P4509-01	AU-06-10232024	SAM	10/24/24 20:11		Kareem	OK
93	P4509-01DUP	AU-06-10232024DUP	DUP	10/24/24 20:15		Kareem	OK
94	P4509-01L	AU-06-10232024L	SD	10/24/24 20:19		Kareem	OK
95	P4509-01MS	AU-06-10232024MS	MS	10/24/24 20:23		Kareem	OK
96	P4509-01MSD	AU-06-10232024MSD	MSD	10/24/24 20:27		Kareem	OK
97	CCV09	CCV09	CCV	10/24/24 20:31		Kareem	OK
98	CCB09	CCB09	CCB	10/24/24 20:36		Kareem	OK
99	P4509-01A	AU-06-10232024A	PS	10/24/24 20:40	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
100	P4512-03	VNJ-212	SAM	10/24/24 20:44		Kareem	OK
101	P4515-01	CHVB0783	SAM	10/24/24 20:48		Kareem	OK
102	P4517-01	NASSAU-ST-CO	SAM	10/24/24 20:52		Kareem	OK
103	P4517-03	S.JEFFERSON-CO-1	SAM	10/24/24 20:57		Kareem	OK
104	P4517-05	S.JEFFERSON-CO-2	SAM	10/24/24 21:01		Kareem	OK
105	P4517-07	FOREST-ST-CO	SAM	10/24/24 21:05		Kareem	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

106	PB164376BL	PB164376BL	MB	10/24/24 21:10		Kareem	OK
107	PB164376BS	PB164376BS	LCS	10/24/24 21:14	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
108	P3426-01	927-K1-WS-073124	SAM	10/24/24 21:18		Kareem	OK
109	CCV10	CCV10	CCV	10/24/24 21:22		Kareem	OK
110	CCB10	CCB10	CCB	10/24/24 21:28		Kareem	OK
111	P3426-02	927-K1-WS-073124-F	SAM	10/24/24 21:32		Kareem	OK
112	P3429-01	926-K1-WS-073124	SAM	10/24/24 21:36		Kareem	OK
113	P3429-02	931-K1-WS-073124	SAM	10/24/24 21:41		Kareem	OK
114	P3429-03	925-K1-WS-073124	SAM	10/24/24 21:45		Kareem	OK
115	P3451-01	921-J-WS-080124	SAM	10/24/24 21:49		Kareem	OK
116	P3457-01	924-K1-WS-080224	SAM	10/24/24 21:54		Kareem	OK
117	P3457-02	932-K1-WS-080224	SAM	10/24/24 21:58		Kareem	OK
118	P3467-01	919-J-WS-080224	SAM	10/24/24 22:03		Kareem	OK
119	P3596-01	918-J-WS-081324	SAM	10/24/24 22:07		Kareem	OK
120	P3596-02	918-J-WS-081324-FD	SAM	10/24/24 22:11		Kareem	OK
121	CCV11	CCV11	CCV	10/24/24 22:15		Kareem	OK
122	CCB11	CCB11	CCB	10/24/24 22:20		Kareem	OK
123	P3609-01	915-J-WS-081424	SAM	10/24/24 22:26		Kareem	OK
124	P3609-02	920-J-WS-081424	SAM	10/24/24 22:30		Kareem	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

125	P3645-01	914-J-WS-081524	SAM	10/24/24 22:34		Kareem	OK
126	P3645-02	916-J-WS-081524	SAM	10/24/24 22:39		Kareem	OK
127	P3657-01	917-J-WS-081624	SAM	10/24/24 22:43		Kareem	OK
128	PB164372BL	PB164372BL	MB	10/24/24 22:47		Kareem	OK
129	PB164299TB	PB164299TB	MB	10/24/24 22:56		Kareem	OK
130	PB164299BL	PB164299BL	MB	10/24/24 23:00		Kareem	OK
131	PB164299BS	PB164299BS	LCS	10/24/24 23:05	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
132	CCV12	CCV12	CCV	10/24/24 23:09		Kareem	OK
133	CCB12	CCB12	CCB	10/24/24 23:13		Kareem	OK
134	PB164347BS	PB164347BS	LCS	10/24/24 23:17	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
135	P4470-01MS	CL-01-102124MS	MS	10/24/24 23:21	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
136	P4470-01MSD	CL-01-102124MSD	MSD	10/24/24 23:25	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
137	P4470-01A	CL-01-102124A	PS	10/24/24 23:29	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
138	PB164317BS	PB164317BS	LCS	10/24/24 23:33	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
139	PB164289BL	PB164289BL	MB	10/24/24 23:37		Kareem	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

140	PB164289BS	PB164289BS	LCS	10/24/24 23:41	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
141	P3645-01DUP	914-J-WS-081524DUI	DUP	10/24/24 23:45		Kareem	OK
142	P3645-01L	914-J-WS-081524L	SD	10/24/24 23:50		Kareem	OK
143	P3645-01MS	914-J-WS-081524MS	MS	10/24/24 23:54	Si high	Kareem	Dilution
144	CCV13	CCV13	CCV	10/24/24 23:58		Kareem	OK
145	CCB13	CCB13	CCB	10/25/24 00:02		Kareem	OK
146	P3645-01MSD	914-J-WS-081524MSI	MSD	10/25/24 00:10	Si high	Kareem	Dilution
147	P3645-01A	914-J-WS-081524A	PS	10/25/24 00:14	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
148	P4485-02	D20241001-01-04	SAM	10/25/24 00:18		Kareem	OK
149	P4485-02DUP	D20241001-01-04DUI	DUP	10/25/24 00:22		Kareem	OK
150	P4485-02L	D20241001-01-04L	SD	10/25/24 00:26		Kareem	OK
151	P4485-02MS	D20241001-01-04MS	MS	10/25/24 00:31	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
152	P4485-02MSD	D20241001-01-04MSI	MSD	10/25/24 00:35	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
153	P4485-02A	D20241001-01-04A	PS	10/25/24 00:39	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
154	P4487-04	BP-B5	SAM	10/25/24 00:43		Kareem	OK
155	P4487-08	BP-B27	SAM	10/25/24 00:48		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

156	CCV14	CCV14	CCV	10/25/24 00:52		Kareem	OK
157	CCB14	CCB14	CCB	10/25/24 00:56		Kareem	OK
158	P4488-09DL	HCC-1DL	SAM	10/25/24 01:01	Straight 5x Dilution for all elements	Kareem	OK
159	P4488-10	HCC-2	SAM	10/25/24 01:06		Kareem	OK
160	P4508-04	TP-3	SAM	10/25/24 01:10		Kareem	OK
161	P4508-08	BP-F23	SAM	10/25/24 01:15		Kareem	OK
162	P4508-12	BP-F22	SAM	10/25/24 01:19		Kareem	OK
163	P4511-02	267	SAM	10/25/24 01:23		Kareem	OK
164	P4513-01	D3683	SAM	10/25/24 01:28		Kareem	OK
165	P4513-02	D3694	SAM	10/25/24 01:32		Kareem	OK
166	P4513-03	D3695	SAM	10/25/24 01:37		Kareem	OK
167	P4515-02	CHVB0783	SAM	10/25/24 01:41		Kareem	OK
168	CCV15	CCV15	CCV	10/25/24 01:45		Kareem	OK
169	CCB15	CCB15	CCB	10/25/24 01:50		Kareem	OK
170	PB164372BS	PB164372BS	LCS	10/25/24 01:54	200.7 Method	Kareem	OK
171	P4516-01	72-11986	SAM	10/25/24 01:58		Kareem	OK
172	P4517-02	NASSAU-ST-CO	SAM	10/25/24 02:03		Kareem	OK
173	P4517-04	S.JEFFERSON-CO-1	SAM	10/25/24 02:07		Kareem	OK
174	P4517-06	S.JEFFERSON-CO-2	SAM	10/25/24 02:11		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

175	P4517-08	FOREST-ST-CO	SAM	10/25/24 02:16		Kareem	OK
176	PB164335TB	PB164335TB	MB	10/25/24 02:20		Kareem	OK
177	PB164377BL	PB164377BL	MB	10/25/24 02:25		Kareem	OK
178	PB164377BS	PB164377BS	LCS	10/25/24 02:29	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
179	CCV16	CCV16	CCV	10/25/24 02:44		Kareem	OK
180	CCB16	CCB16	CCB	10/25/24 02:48		Kareem	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133129

Review By	jaswal	Review On	10/26/2024 8:05:20 AM
Supervise By	mohan	Supervise On	10/26/2024 8:09:30 AM

STD. NAME	STD REF.#
ICAL Standard	MP82910,MP82912,MP82913,MP82914,MP82915,MP82916
ICV Standard	MP82917
CCV Standard	MP82919
ICSA Standard	
CRI Standard	MP82921
LCS Standard	
Chk Standard	MP82918,MP82920,MP82922,MP82924

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/25/24 11:51		Mohan	OK
2	S0.2	S0.2	CAL2	10/25/24 11:53		Mohan	OK
3	S2.5	S2.5	CAL3	10/25/24 11:55		Mohan	OK
4	S5	S5	CAL4	10/25/24 11:58		Mohan	OK
5	S7.5	S7.5	CAL5	10/25/24 12:03		Mohan	OK
6	S10	S10	CAL6	10/25/24 12:07		Mohan	OK
7	ICV53	ICV53	ICV	10/25/24 12:21		Mohan	OK
8	ICB53	ICB53	ICB	10/25/24 12:23		Mohan	OK
9	CCV73	CCV73	CCV	10/25/24 12:25		Mohan	OK
10	CCB73	CCB73	CCB	10/25/24 12:30		Mohan	OK
11	CRA	CRA	CRDL	10/25/24 12:33		Mohan	OK
12	HighStd	HighStd	HIGH STD	10/25/24 12:35		Mohan	OK
13	ChkStd	ChkStd	SAM	10/25/24 12:37		Mohan	OK
14	PB164407BL	PB164407BL	MB	10/25/24 12:42		Mohan	OK
15	PB164407BS	PB164407BS	LCS	10/25/24 12:44		Mohan	OK
16	P3390-07	LOD-MDL-WATER-01	SAM	10/25/24 12:49		Mohan	OK
17	P3390-08	LOQ-WATER-02-QT3	LOQ	10/25/24 12:51		Mohan	OK
18	P4460-06	WB-303-SW	SAM	10/25/24 12:54		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133129

Review By	jaswal	Review On	10/26/2024 8:05:20 AM
Supervise By	mohan	Supervise On	10/26/2024 8:09:30 AM

STD. NAME	STD REF.#
ICAL Standard	MP82910,MP82912,MP82913,MP82914,MP82915,MP82916
ICV Standard	MP82917
CCV Standard	MP82919
ICSA Standard	
CRI Standard	MP82921
LCS Standard	
Chk Standard	MP82918,MP82920,MP82922,MP82924

19	P4485-03	D20241001-02-03	SAM	10/25/24 12:56		Mohan	OK
20	P4491-02	COMP	SAM	10/25/24 12:58		Mohan	OK
21	CCV74	CCV74	CCV	10/25/24 13:00		Mohan	OK
22	CCB74	CCB74	CCB	10/25/24 13:06		Mohan	OK
23	P4546-03	34839-40	SAM	10/25/24 13:14		Mohan	OK
24	P4546-03DUP	34839-40DUP	DUP	10/25/24 13:19		Mohan	OK
25	P4546-03MS	34839-40MS	MS	10/25/24 13:21		Mohan	OK
26	P4546-03MSD	34839-40MSD	MSD	10/25/24 13:23		Mohan	OK
27	P4546-03L	34839-40L	SD	10/25/24 13:25		Mohan	OK
28	P4546-03A	34839-40A	PS	10/25/24 13:28		Mohan	OK
29	CCV75	CCV75	CCV	10/25/24 13:30		Mohan	OK
30	CCB75	CCB75	CCB	10/25/24 13:32		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133257

Review By	mohan	Review On	11/6/2024 4:20:36 AM
Supervise By	jaswal	Supervise On	11/6/2024 4:20:58 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/01/24 15:06		Kareem	OK
2	S1	S1	CAL2	11/01/24 15:10		Kareem	OK
3	S2	S2	CAL3	11/01/24 15:14		Kareem	OK
4	S3	S3	CAL4	11/01/24 15:18		Kareem	OK
5	S4	S4	CAL5	11/01/24 15:23		Kareem	OK
6	S5	S5	CAL6	11/01/24 15:27		Kareem	OK
7	ICV01	ICV01	ICV	11/01/24 15:31		Kareem	OK
8	LLICV01	LLICV01	LLICV	11/01/24 15:35		Kareem	OK
9	ICB01	ICB01	ICB	11/01/24 15:40		Kareem	OK
10	CRI01	CRI01	CRDL	11/01/24 15:44		Kareem	OK
11	ICSA01	ICSA01	ICSA	11/01/24 15:48		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	11/01/24 15:58		Kareem	OK
13	CCV01	CCV01	CCV	11/01/24 16:03		Kareem	OK
14	CCB01	CCB01	CCB	11/01/24 16:07		Kareem	OK
15	P4615-01	B-131-1-SB01	SAM	11/01/24 16:12		Kareem	OK
16	P4611-03	TP-1	SAM	11/01/24 16:17		Kareem	OK
17	P4611-06	TP-2	SAM	11/01/24 16:21		Kareem	OK
18	P4611-09	TP-3	SAM	11/01/24 16:26		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133257

Review By	mohan	Review On	11/6/2024 4:20:36 AM
Supervise By	jaswal	Supervise On	11/6/2024 4:20:58 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

19	P4611-12	TP-4	SAM	11/01/24 16:30		Kareem	OK
20	P4611-15	TP-5	SAM	11/01/24 16:35		Kareem	OK
21	P4611-18	TP-6	SAM	11/01/24 16:39		Kareem	OK
22	P4639-01	EO-01-103024	SAM	11/01/24 16:43		Kareem	OK
23	P4639-03	EO-02-103024	SAM	11/01/24 16:48		Kareem	OK
24	P4612-04	MOO-24-00335	SAM	11/01/24 16:52		Kareem	OK
25	CCV02	CCV02	CCV	11/01/24 16:56		Kareem	OK
26	CCB02	CCB02	CCB	11/01/24 17:00		Kareem	OK
27	P4613-02	ARS20-0001	SAM	11/01/24 17:07		Kareem	OK
28	P4616-04	BP-F10	SAM	11/01/24 17:11		Kareem	OK
29	P4616-08	BP-F9-MOVED	SAM	11/01/24 17:16		Kareem	OK
30	P4617-04	CONCRETE-PILE	SAM	11/01/24 17:20	MS Fail For Many Parameter	Kareem	Not Ok
31	P4460-06DL	WB-303-SWDL	SAM	11/01/24 17:25	Not Use	Kareem	Not Ok
32	P4460-06DUPDL	WB-303-SWDUPDL	DUP	11/01/24 17:29	Not Use	Kareem	Not Ok
33	P4460-06LDL	WB-303-SWLDL	SD	11/01/24 17:34	Not Use	Kareem	Not Ok
34	P4460-06MSDL	WB-303-SWMSDL	MS	11/01/24 17:38	Not Use	Kareem	Not Ok
35	P4460-06MSDDL	WB-303-SWMSDDL	MSD	11/01/24 17:43	Not Use	Kareem	Not Ok
36	P4460-06ADL	WB-303-SWADL	PS	11/01/24 17:52	Not Use	Kareem	Not Ok
37	CCV03	CCV03	CCV	11/01/24 17:57		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133257

Review By	mohan	Review On	11/6/2024 4:20:36 AM
Supervise By	jaswal	Supervise On	11/6/2024 4:20:58 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712
ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

38	CCB03	CCB03	CCB	11/01/24 18:01		Kareem	OK
39	P4460-06DL2	WB-303-SWDL2	SAM	11/01/24 18:05	25X for Na	Kareem	Confirms
40	P4460-06DUPDL2	WB-303-SWDUPDL2	DUP	11/01/24 18:10	25X for Na	Kareem	Confirms
41	P4460-06LDL2	WB-303-SWLDL2	SD	11/01/24 18:14	25X for Na	Kareem	Confirms
42	P4460-06MSDL2	WB-303-SWMSDL2	MS	11/01/24 18:18	25X for Na	Kareem	Confirms
43	P4460-06MSDDL2	WB-303-SWMSDDL2	MSD	11/01/24 18:23	25X for Na	Kareem	Confirms
44	P4460-06ADL2	WB-303-SWADL2	PS	11/01/24 18:27	25X for Na	Kareem	Confirms
45	P4617-04DUP	CONCRETE-PILEDUI	DUP	11/01/24 18:32	MS Fail For Many Parameter	Kareem	Not Ok
46	P4617-04L	CONCRETE-PILEL	SD	11/01/24 18:36	MS Fail For Many Parameter	Kareem	Not Ok
47	P4617-04MS	CONCRETE-PILEMS	MS	11/01/24 18:40	MS Fail For Many Parameter	Kareem	Not Ok
48	P4617-04MSD	CONCRETE-PILEMS	MSD	11/01/24 18:45	MS Fail For Many Parameter	Kareem	Not Ok
49	CCV04	CCV04	CCV	11/01/24 18:55		Kareem	OK
50	CCB04	CCB04	CCB	11/01/24 18:59		Kareem	OK
51	P4617-04A	CONCRETE-PILEA	PS	11/01/24 19:05	MS Fail For Many Parameter	Kareem	Not Ok
52	LR1	LR1	HIGH STD	11/01/24 19:09		Kareem	OK
53	LR2	LR2	HIGH STD	11/01/24 19:14		Kareem	OK
54	CCV05	CCV05	CCV	11/01/24 19:18		Kareem	OK
55	CCB05	CCB05	CCB	11/01/24 19:22		Kareem	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB164289

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #5 2. N/A

Start Digest Date: 10/21/2024 **Time :** 10:15 **Temp :** 95 °C

End Digest Date: 10/21/2024 **Time :** 12:25 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #5

Dig Technician Signature: jgp

Supervisor Signature:

Temp : 1. 95°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	MP81119
CONC: HNO3	5.00	M6093
30% H2O2	3.00	M5634
CONC: HCL	10.00	M6040
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 # 5 Cell # 35 Temp: 95 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 12:30	jgp / Met dig.	SS / Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB164289

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4443-01	OG-315-HR-502-COMP-29	N/A	2.18	100	Brown	Yellow	Medium	N/A	N/A	1
P4443-06	OG-315-HR-502-COMP-30	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	2
P4452-01	ETGI-285	N/A	2.19	100	Brown	Yellow	Medium	N/A	N/A	3
P4455-01	SU-4-101824	N/A	2.27	100	Brown	Yellow	Medium	N/A	N/A	4
P4456-01	PAD-10182024	N/A	2.11	100	Brown	Yellow	Medium	N/A	N/A	5
P4458-01	280517	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	6
P4460-02	WB-303-TOP	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	7
P4460-03	WB-303-BOT	N/A	2.06	100	Brown	Yellow	Medium	N/A	N/A	8
P4460-03MS	WB-303-BOTMS	N/A	2.26	100	Brown	Yellow	Medium	N/A	M6000, M6009	10
P4460-03MSD	WB-303-BOTMSD	N/A	2.44	100	Brown	Yellow	Medium	N/A	M6000,M6009	11
P4460-03DUP	WB-303-BOTDUP	N/A	2.33	100	Brown	Yellow	Medium	N/A	N/A	9
PB164289BL	PBS289	N/A	2.28	100	Colorless	Colorless	Fine	N/A	N/A	12
PB164289BS	LCS289	N/A	2.28	100	Colorless	Colorless	Fine	N/A	M6000,M6009	13

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB164322

SOP ID : M7471B-Mercury-18

SDG No : N/A

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #3

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 10/21/2024 **Time :** 16:20 **Temp :** 94 °C

End Digest Date: 10/21/2024 **Time :** 16:50 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: 12

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP82846
CCV	30mL	MP82848
CRA	30mL	MP82850
Blank Spike	0.48mL	MP82838
Matrix Spike	0.48mL	MP82838

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP828352
KMnO4 (5%)	4.5mL	MP82652
Hydroxylamine HCL (12%)	2.0mL	MP82654
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	MP82839
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP82841
2.5 ppb	S2.5	30mL	MP82842
5.0 ppb	S5.0	30mL	MP82843
7.5 ppb	S7.5	30mL	MP82844
10.0 ppb	S10.0	30mL	MP82845
ICV	ICV	30mL	MP82846
ICB	ICB	30mL	MP82847
CCV	CCV	30mL	MP82848
CCB	CCB	30mL	MP82849
CRI	CRI	30mL	MP82850
CHK STD	CHK STD	30mL	MP82851

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 @ 17:44	MB - Dig. Lab	MB - Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB164322

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
P3390-01	LOD-MDL-SOIL-01-QT3-2024	0.50	35	NA	N/A	3-1
P3390-02	LOQ-SOIL-02-QT3-2024	0.50	35	NA	N/A	2
P4443-01	OG-315-HR-502-COMP-29	0.58	35	NA	N/A	3
P4443-01DUP	OG-315-HR-502-COMP-29DUP	0.56	35	NA	N/A	4
P4443-01MS	OG-315-HR-502-COMP-29MS	0.57	35	NA	MP82828	5
P4443-01MSD	OG-315-HR-502-COMP-29MSD	0.55	35	NA	MP82828	6
P4443-06	OG-315-HR-502-COMP-30	0.54	35	NA	N/A	7
P4452-01	ETGI-285	0.60	35	NA	N/A	8
P4455-01	SU-4-101824	0.52	35	NA	N/A	9
P4458-01	280517	0.51	35	NA	N/A	10
P4460-02	WB-303-TOP	0.50	35	NA	N/A	11
P4460-03	WB-303-BOT	0.55	35	NA	N/A	12
P4467-01	TP-1	0.56	35	NA	N/A	13
P4468-01	ETGI-331	0.50	35	NA	N/A	14
P4468-03	ETGI-329	0.60	35	NA	N/A	15
P4468-05	ETGI-345	0.58	35	NA	N/A	16
P4470-01	CL-01-102124	0.51	35	NA	N/A	17
P4471-01	B-180-SB01	0.58	35	NA	N/A	18
P4471-02	B-180-SB02	0.52	35	NA	N/A	19
P4472-01	BP-F-28	0.60	35	NA	N/A	20
P4472-05	BP-F-6	0.60	35	NA	N/A	21
PB164322BL	PBS322	0.57	35	NA	N/A	22
PB164322BS	LCS322	0.52	35	NA	MP82828	23

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB164347

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 10/23/2024 **Time :** 10:00 **Temp :** 95 °C

End Digest Date: 10/23/2024 **Time :** 13:10 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: JAP

Supervisor Signature:

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6000
LFS-2	0.25	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
CONC: HNO3	3.00	M6090
1:1 HCL	5.00	MP82127
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

Hot Block # 1 Cell # 50 Temp: 95 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/24 13:20	JAP / Met Dig	Metals Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
P4423-02	COMP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	13
P4460-06	WB-303-SW	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	14
P4460-06MS	WB-303-SWMS	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	16
P4460-06MSD	WB-303-SWMSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	17
P4460-06DUP	WB-303-SWDUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	15
P4485-03	D20241001-02-03	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	18
PB164347BL	PBW347	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	19
PB164347BS	LCS347	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	20

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB164407

13

A B C D E F G H I J

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M4909

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 10/24/2024 **Time :** 15:05 **Temp :** 95 °C

End Digest Date: 10/24/2024 **Time :** 17:05 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MR

Supervisor Signature: JZ

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP82917
CCV	30mL	MP82919
CRA	30mL	MP82921
Blank Spike	0.48mL	MP82909
Matrix Spike	0.48mL	MP82909

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP82651
KMnO4 (5%)	4.5mL	MP82652
K2S2O8 (5%)	2.5mL	MP82653
Hydroxylamine HCL (12%)	2.0mL	MP82654
N/A	N/A	N/A
N/A	N/A	N/A
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	MP82910
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP82912
2.5 ppb	S2.5	30mL	MP82913
5.0 ppb	S5.0	30mL	MP82914
7.5 ppb	S7.5	30mL	MP82915
10.0 ppb	S10.0	30mL	MP82916
ICV	ICV	30mL	MP82917
ICB	ICB	30mL	MP82918
CCV	CCV	30mL	MP82919
CCB	CCB	30mL	MP82920
CRI	CRI	30mL	MP82921
CHK STD	CHK STD	30mL	MP82922

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/24/24 @ 17:40	MR - Mfg. Lab	MR - Analytical Lab
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB164407

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
P3390-07	LOD-MDL-WATER-01-QT3-2024	30	30	<2	N/A	3-1
P3390-08	LOQ-WATER-02-QT3-2024	30	30	<2	N/A	2
P4460-06	WB-303-SW	30	30	<2	N/A	3
P4485-03	D20241001-02-03	30	30	<2	N/A	4
P4491-02	COMP	30	30	<2	N/A	5
P4546-03	34839-40	30	30	<2	N/A	6
P4546-03DUP	34839-40DUP	30	30	<2	N/A	7
P4546-03MS	34839-40MS	30	30	<2	MP82909	8
P4546-03MSD	34839-40MSD	30	30	<2	MP82909	9
PB164407BL	PBW407	30	30	<2	N/A	10
PB164407BS	LCS407	30	30	<2	MP82909	11

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

SDG No.: P4460 **Order ID:** P4460

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WB-303-BOT								
P4460-04	WB-303-BOT	TCLP	Barium	360	J	62.8	500	ug/L
P4460-04	WB-303-BOT	TCLP	Chromium	10.6	J	6.60	50.0	ug/L
P4460-04	WB-303-BOT	TCLP	Lead	45.4	J	35.1	60.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-04	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	10/21/24 11:45	10/23/24 17:03	SW6010	SW3050
7440-39-3	Barium	360	J	1	62.8	500	ug/L	10/21/24 11:45	10/23/24 17:03	SW6010	SW3050
7440-43-9	Cadmium	0.94	U	1	0.94	30.0	ug/L	10/21/24 11:45	10/23/24 17:03	SW6010	SW3050
7440-47-3	Chromium	10.6	J	1	6.60	50.0	ug/L	10/21/24 11:45	10/23/24 17:03	SW6010	SW3050
7439-92-1	Lead	45.4	J	1	35.1	60.0	ug/L	10/21/24 11:45	10/23/24 17:03	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	10/22/24 11:50	10/23/24 10:19	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	10/21/24 11:45	10/23/24 17:03	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	10/21/24 11:45	10/23/24 17:03	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP-FULL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB48	Mercury	0.20	+/-0.20	U	0.20	CV	10/23/2024	09:46	LB133065

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB56	Mercury	0.20	+/-0.20	U	0.20	CV	10/23/2024	09:51	LB133065
CCB57	Mercury	0.20	+/-0.20	U	0.20	CV	10/23/2024	10:24	LB133065
CCB58	Mercury	0.20	+/-0.20	U	0.20	CV	10/23/2024	10:51	LB133065
CCB59	Mercury	0.20	+/-0.20	U	0.20	CV	10/23/2024	11:18	LB133065

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	15:16	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	15:16	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	15:16	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	15:16	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	15:16	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	15:16	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	15:16	LB133086

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	16:02	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	16:02	LB133086
	Cadmium	1.78	+/-6.00	J	6.00	P	10/23/2024	16:02	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	16:02	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	16:02	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	16:02	LB133086
	Silver	1.20	+/-10.0	J	10.0	P	10/23/2024	16:02	LB133086
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	16:52	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	16:52	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	16:52	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	16:52	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	16:52	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	16:52	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	16:52	LB133086
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	17:46	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	17:46	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	17:46	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	17:46	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	17:46	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	17:46	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	17:46	LB133086
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	18:36	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	18:36	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	18:36	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	18:36	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	18:36	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	18:36	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	18:36	LB133086
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	19:28	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	19:28	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	19:28	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	19:28	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	19:28	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	19:28	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	19:28	LB133086
CCB06	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	20:21	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	20:21	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	20:21	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	20:21	LB133086

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	20:21	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	20:21	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	20:21	LB133086
CCB07	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	21:34	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	21:34	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	21:34	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	21:34	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	21:34	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	21:34	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	21:34	LB133086
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	10/23/2024	22:25	LB133086
	Barium	100	+/-100	U	100	P	10/23/2024	22:25	LB133086
	Cadmium	6.00	+/-6.00	U	6.00	P	10/23/2024	22:25	LB133086
	Chromium	10.0	+/-10.0	U	10.0	P	10/23/2024	22:25	LB133086
	Lead	12.0	+/-12.0	U	12.0	P	10/23/2024	22:25	LB133086
	Selenium	20.0	+/-20.0	U	20.0	P	10/23/2024	22:25	LB133086
	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	22:25	LB133086

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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164261TB		**WATER**		**Batch Number:**	**PB164306**		**Prep Date:**	**10/22/2024**	
	Mercury	2.00	<2.00	U	2.00	CV	10/23/2024	11:02	LB133065

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164306BL		**WATER**		**Batch Number:**	**PB164306**		**Prep Date:**	**10/22/2024**	
	Mercury	0.20	<0.20	U	0.20	CV	10/23/2024	10:06	LB133065

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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164261TB		**WATER**		**Batch Number:**	**PB164298**		**Prep Date:**	**10/21/2024**	
	Arsenic	100	<100	U	100	P	10/23/2024	17:29	LB133086
	Barium	500	<500	U	500	P	10/23/2024	17:29	LB133086
	Cadmium	30.0	<30.0	U	30.0	P	10/23/2024	17:29	LB133086
	Chromium	8.79	<50.0	J	50.0	P	10/23/2024	17:29	LB133086
	Lead	60.0	<60.0	U	60.0	P	10/23/2024	17:29	LB133086
	Selenium	100	<100	U	100	P	10/23/2024	17:29	LB133086
	Silver	50.0	<50.0	U	50.0	P	10/23/2024	17:29	LB133086

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164298BL		**WATER**		**Batch Number:**	**PB164298**		**Prep Date:**	**10/21/2024**	
	Arsenic	100	<100	U	100	P	10/23/2024	17:34	LB133086
	Barium	500	<500	U	500	P	10/23/2024	17:34	LB133086
	Cadmium	30.0	<30.0	U	30.0	P	10/23/2024	17:34	LB133086
	Chromium	50.0	<50.0	U	50.0	P	10/23/2024	17:34	LB133086
	Lead	60.0	<60.0	U	60.0	P	10/23/2024	17:34	LB133086
	Selenium	100	<100	U	100	P	10/23/2024	17:34	LB133086
	Silver	50.0	<50.0	U	50.0	P	10/23/2024	17:34	LB133086

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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
ICV48	Mercury	3.96	4.0	99	90 - 110	CV	10/23/2024	09:44	LB133065

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

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
CCV56	Mercury	5.02	5.0	100	90 - 110	CV	10/23/2024	09:48	LB133065
CCV57	Mercury	5.31	5.0	106	90 - 110	CV	10/23/2024	10:22	LB133065
CCV58	Mercury	5.43	5.0	109	90 - 110	CV	10/23/2024	10:49	LB133065
CCV59	Mercury	5.31	5.0	106	90 - 110	CV	10/23/2024	11:16	LB133065

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	998	1000	100	90 - 110	P	10/23/2024	14:59	LB133086
	Barium	501	520	96	90 - 110	P	10/23/2024	14:59	LB133086
	Cadmium	506	510	99	90 - 110	P	10/23/2024	14:59	LB133086
	Chromium	538	520	103	90 - 110	P	10/23/2024	14:59	LB133086
	Lead	1010	1000	101	90 - 110	P	10/23/2024	14:59	LB133086
	Selenium	1020	1000	102	90 - 110	P	10/23/2024	14:59	LB133086
	Silver	256	250	102	90 - 110	P	10/23/2024	14:59	LB133086

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	18.8	20.0	94	80 - 120	P	10/23/2024	15:11	LB133086
	Barium	93.0	100	93	80 - 120	P	10/23/2024	15:11	LB133086
	Cadmium	5.79	6.0	96	80 - 120	P	10/23/2024	15:11	LB133086
	Chromium	10.1	10.0	101	80 - 120	P	10/23/2024	15:11	LB133086
	Lead	11.9	12.0	99	80 - 120	P	10/23/2024	15:11	LB133086
	Selenium	20.9	20.0	105	80 - 120	P	10/23/2024	15:11	LB133086
	Silver	10.3	10.0	103	80 - 120	P	10/23/2024	15:11	LB133086

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5090	5000	102	90 - 110	P	10/23/2024	15:57	LB133086
	Barium	9630	10000	96	90 - 110	P	10/23/2024	15:57	LB133086
	Cadmium	2520	2500	101	90 - 110	P	10/23/2024	15:57	LB133086
	Chromium	1010	1000	101	90 - 110	P	10/23/2024	15:57	LB133086
	Lead	5020	5000	100	90 - 110	P	10/23/2024	15:57	LB133086
	Selenium	5060	5000	101	90 - 110	P	10/23/2024	15:57	LB133086
	Silver	1250	1250	100	90 - 110	P	10/23/2024	15:57	LB133086
CCV02	Arsenic	4840	5000	97	90 - 110	P	10/23/2024	16:48	LB133086
	Barium	9150	10000	92	90 - 110	P	10/23/2024	16:48	LB133086
	Cadmium	2410	2500	96	90 - 110	P	10/23/2024	16:48	LB133086
	Chromium	969	1000	97	90 - 110	P	10/23/2024	16:48	LB133086
	Lead	4810	5000	96	90 - 110	P	10/23/2024	16:48	LB133086
	Selenium	4860	5000	97	90 - 110	P	10/23/2024	16:48	LB133086
	Silver	1200	1250	96	90 - 110	P	10/23/2024	16:48	LB133086
CCV03	Arsenic	4880	5000	98	90 - 110	P	10/23/2024	17:42	LB133086
	Barium	9030	10000	90	90 - 110	P	10/23/2024	17:42	LB133086
	Cadmium	2440	2500	97	90 - 110	P	10/23/2024	17:42	LB133086
	Chromium	992	1000	99	90 - 110	P	10/23/2024	17:42	LB133086
	Lead	4850	5000	97	90 - 110	P	10/23/2024	17:42	LB133086
	Selenium	4880	5000	98	90 - 110	P	10/23/2024	17:42	LB133086
	Silver	1230	1250	98	90 - 110	P	10/23/2024	17:42	LB133086
CCV04	Arsenic	5070	5000	101	90 - 110	P	10/23/2024	18:32	LB133086
	Barium	9310	10000	93	90 - 110	P	10/23/2024	18:32	LB133086
	Cadmium	2540	2500	102	90 - 110	P	10/23/2024	18:32	LB133086
	Chromium	1020	1000	102	90 - 110	P	10/23/2024	18:32	LB133086
	Lead	5080	5000	102	90 - 110	P	10/23/2024	18:32	LB133086
	Selenium	5090	5000	102	90 - 110	P	10/23/2024	18:32	LB133086
	Silver	1250	1250	100	90 - 110	P	10/23/2024	18:32	LB133086
CCV05	Arsenic	4920	5000	98	90 - 110	P	10/23/2024	19:23	LB133086
	Barium	9250	10000	92	90 - 110	P	10/23/2024	19:23	LB133086
	Cadmium	2460	2500	99	90 - 110	P	10/23/2024	19:23	LB133086
	Chromium	984	1000	98	90 - 110	P	10/23/2024	19:23	LB133086
	Lead	4910	5000	98	90 - 110	P	10/23/2024	19:23	LB133086
	Selenium	4910	5000	98	90 - 110	P	10/23/2024	19:23	LB133086

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1210	1250	97	90 - 110	P	10/23/2024	19:23	LB133086
CCV06	Arsenic	4890	5000	98	90 - 110	P	10/23/2024	20:15	LB133086
	Barium	9330	10000	93	90 - 110	P	10/23/2024	20:15	LB133086
	Cadmium	2470	2500	99	90 - 110	P	10/23/2024	20:15	LB133086
	Chromium	989	1000	99	90 - 110	P	10/23/2024	20:15	LB133086
	Lead	4910	5000	98	90 - 110	P	10/23/2024	20:15	LB133086
	Selenium	4870	5000	97	90 - 110	P	10/23/2024	20:15	LB133086
	Silver	1220	1250	98	90 - 110	P	10/23/2024	20:15	LB133086
CCV07	Arsenic	4820	5000	96	90 - 110	P	10/23/2024	21:28	LB133086
	Barium	9500	10000	95	90 - 110	P	10/23/2024	21:28	LB133086
	Cadmium	2420	2500	97	90 - 110	P	10/23/2024	21:28	LB133086
	Chromium	952	1000	95	90 - 110	P	10/23/2024	21:28	LB133086
	Lead	4820	5000	96	90 - 110	P	10/23/2024	21:28	LB133086
	Selenium	4830	5000	97	90 - 110	P	10/23/2024	21:28	LB133086
	Silver	1170	1250	94	90 - 110	P	10/23/2024	21:28	LB133086
CCV08	Arsenic	4800	5000	96	90 - 110	P	10/23/2024	22:20	LB133086
	Barium	9320	10000	93	90 - 110	P	10/23/2024	22:20	LB133086
	Cadmium	2510	2500	100	90 - 110	P	10/23/2024	22:20	LB133086
	Chromium	1010	1000	101	90 - 110	P	10/23/2024	22:20	LB133086
	Lead	4980	5000	100	90 - 110	P	10/23/2024	22:20	LB133086
	Selenium	4770	5000	96	90 - 110	P	10/23/2024	22:20	LB133086
	Silver	1220	1250	97	90 - 110	P	10/23/2024	22:20	LB133086

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.22	0.2	109	40 - 160	CV	10/23/2024	09:53	LB133065
CRI01	Arsenic	19.7	20.0	99	40 - 160	P	10/23/2024	15:22	LB133086
	Barium	92.7	100	93	40 - 160	P	10/23/2024	15:22	LB133086
	Cadmium	5.38	6.0	90	40 - 160	P	10/23/2024	15:22	LB133086
	Chromium	10.0	10.0	100	40 - 160	P	10/23/2024	15:22	LB133086
	Lead	11.1	12.0	92	40 - 160	P	10/23/2024	15:22	LB133086
	Selenium	17.6	20.0	88	40 - 160	P	10/23/2024	15:22	LB133086
	Silver	10.1	10.0	101	40 - 160	P	10/23/2024	15:22	LB133086

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	6.17			-20	20	10/23/2024	15:26	LB133086
	Barium	4.64	6.0	77	-94	106	10/23/2024	15:26	LB133086
	Cadmium	5.24	1.0	524	-5	7	10/23/2024	15:26	LB133086
	Chromium	58.7	52.0	113	42	62	10/23/2024	15:26	LB133086
	Lead	7.85			-12	12	10/23/2024	15:26	LB133086
	Selenium	-14.6			-20	20	10/23/2024	15:26	LB133086
	Silver	0.40			-10	10	10/23/2024	15:26	LB133086
ICSAB01	Arsenic	109	104	105	88.4	120	10/23/2024	15:32	LB133086
	Barium	477	537	89	437	637	10/23/2024	15:32	LB133086
	Cadmium	987	972	102	826	1120	10/23/2024	15:32	LB133086
	Chromium	574	542	106	460	624	10/23/2024	15:32	LB133086
	Lead	55.0	49.0	112	37	61	10/23/2024	15:32	LB133086
	Selenium	32.1	46.0	70	26	66	10/23/2024	15:32	LB133086
	Silver	206	201	102	170	232	10/23/2024	15:32	LB133086

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P4460

contract: PORT06 **lab code:** CHEM **case no.:** P4460 **sas no.:** P4460

matrix: Water **sample id:** P4460-04 **client id:** WB-303-BOTMS

Percent Solids for Sample: NA **Spiked ID:** P4460-04MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3750		100	U	4000	94		P
Barium	ug/L	75 - 125	1240		360	J	1000	88		P
Cadmium	ug/L	75 - 125	911		30.0	U	1000	91		P
Chromium	ug/L	75 - 125	2000		10.6	J	2000	99		P
Lead	ug/L	75 - 125	4340		45.4	J	5000	86		P
Mercury	ug/L	75 - 125	32.3		2.00	U	40.0	81		CV
Selenium	ug/L	75 - 125	9110		100	U	10000	91		P
Silver	ug/L	75 - 125	376		50.0	U	380	99		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** P4460

contract: PORT06 **lab code:** CHEM **case no.:** P4460 **sas no.:** P4460

matrix: Water **sample id:** P4460-04 **client id:** WB-303-BOTMSD

Percent Solids for Sample: NA **Spiked ID:** P4460-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3830		100	U	4000	96		P
Barium	ug/L	75 - 125	1260		360	J	1000	90		P
Cadmium	ug/L	75 - 125	927		30.0	U	1000	93		P
Chromium	ug/L	75 - 125	2030		10.6	J	2000	101		P
Lead	ug/L	75 - 125	4420		45.4	J	5000	88		P
Mercury	ug/L	75 - 125	38.3		2.00	U	40.0	96		CV
Selenium	ug/L	75 - 125	9330		100	U	10000	93		P
Silver	ug/L	75 - 125	379		50.0	U	380	100		P

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Metals
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Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: Water **Sample ID:** P4460-04 **Client ID:** WB-303-BOTDUP

Percent Solids for Sample: NA **Duplicate ID** P4460-04DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	360	J	357	J	1		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	10.6	J	10.1	J	5		P
Lead	ug/L	20	45.4	J	49.1	J	8		P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Matrix: Water **Sample ID:** P4460-04MS **Client ID:** WB-303-BOTMSD

Percent Solids for Sample: NA **Duplicate ID** P4460-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3750		3830		2		P
Barium	ug/L	20	1240		1260		2		P
Cadmium	ug/L	20	911		927		2		P
Chromium	ug/L	20	2000		2030		1		P
Lead	ug/L	20	4340		4420		2		P
Mercury	ug/L	20	32.3		38.3		17		CV
Selenium	ug/L	20	9110		9330		2		P
Silver	ug/L	20	376		379		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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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164298BS							
Arsenic	ug/L	4000	3630		91	80 - 120	P
Barium	ug/L	1000	924		92	80 - 120	P
Cadmium	ug/L	1000	885		88	80 - 120	P
Chromium	ug/L	2000	2070		104	80 - 120	P
Lead	ug/L	5000	4410		88	80 - 120	P
Selenium	ug/L	10000	8700		87	80 - 120	P
Silver	ug/L	380	360		95	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164306BS							
Mercury	ug/L	4.0	3.52		88	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WB-303-BOTL

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb133086 **Lab Sample ID :** P4460-04L **SDG No.:** P4460

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	100	U	500	U			P
Barium	360	J	372	J	3		P
Cadmium	30.0	U	150	U			P
Chromium	10.6	J	250	U	100.0		P
Lead	45.4	J	300	U	100.0		P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

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metals
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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133065

Start date: 10/23/2024 **End date:** 10/23/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0926	HG
S0.2	S0.2	1	0929	HG
S2.5	S2.5	1	0931	HG
S5	S5	1	0933	HG
S7.5	S7.5	1	0935	HG
S10	S10	1	0940	HG
ICV48	ICV48	1	0944	HG
ICB48	ICB48	1	0946	HG
CCV56	CCV56	1	0948	HG
CCB56	CCB56	1	0951	HG
CRA	CRA	1	0953	HG
PB164306BL	PB164306BL	1	1006	HG
PB164306BS	PB164306BS	1	1008	HG
P4460-04	WB-303-BOT	1	1019	HG
CCV57	CCV57	1	1022	HG
CCB57	CCB57	1	1024	HG
P4460-04DUP	WB-303-BOTDUP	1	1026	HG
P4460-04MS	WB-303-BOTMS	1	1028	HG
P4460-04MSD	WB-303-BOTMSD	1	1031	HG
CCV58	CCV58	1	1049	HG
CCB58	CCB58	1	1051	HG
PB164261TB	PB164261TB	1	1102	HG
P4460-04L	WB-303-BOTL	5	1107	HG
CCV59	CCV59	1	1116	HG
CCB59	CCB59	1	1118	HG

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metals
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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** P4460 **Sas no.:** P4460 **Sdg no.:** P4460

Instrument id number: **Method:** **Run number:** LB133086

Start date: 10/23/2024 **End date:** 10/23/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1424	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1428	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1432	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1437	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1441	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1445	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1459	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1511	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1516	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1522	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1526	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1532	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1557	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1602	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1648	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1652	Ag,As,Ba,Cd,Cr,Pb,Se
P4460-04	WB-303-BOT	1	1703	Ag,As,Ba,Cd,Cr,Pb,Se
P4460-04DUP	WB-303-BOTDUP	1	1708	Ag,As,Ba,Cd,Cr,Pb,Se
P4460-04L	WB-303-BOTL	5	1712	Ag,As,Ba,Cd,Cr,Pb,Se
P4460-04MS	WB-303-BOTMS	1	1717	Ag,As,Ba,Cd,Cr,Pb,Se
P4460-04MSD	WB-303-BOTMSD	1	1721	Ag,As,Ba,Cd,Cr,Pb,Se
PB164261TB	PB164261TB	1	1729	Ag,As,Ba,Cd,Cr,Pb,Se
PB164298BL	PB164298BL	1	1734	Ag,As,Ba,Cd,Cr,Pb,Se
PB164298BS	PB164298BS	1	1738	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1742	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1746	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1832	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1836	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1923	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1928	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	2015	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	2021	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	2128	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	2134	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	2220	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	2225	Ag,As,Ba,Cd,Cr,Pb,Se

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Case No.:** P4460 **SAS No.:** P4460

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	P4460	**OrderDate:**	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	**WB-303-TOP**	**SOIL**			**10/18/24**			**10/18/24**
			Mercury	7471B		10/21/24	10/22/24	
			Metals ICP-TAL	6010D		10/21/24	10/23/24	
P4460-03	**WB-303-BOT**	**SOIL**			**10/18/24**			**10/18/24**
			Mercury	7471B		10/21/24	10/22/24	
			Metals ICP-TAL	6010D		10/21/24	10/23/24	
P4460-04	**WB-303-BOT**	**TCLP**			**10/18/24**			**10/18/24**
			TCLP ICP Metals	6010D		10/21/24	10/23/24	
			TCLP Mercury	7470A		10/22/24	10/23/24	
P4460-06	**WB-303-SW**	**Water**			**10/18/24**			**10/18/24**
			Mercury	7470A		10/25/24	10/25/24	
			Metals ICP-TAL	6010D		10/23/24	10/24/24	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: P4460 **SAS No.:** P4460

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164298**						
P4460-04	WB-303-BOT	SAM	WATER	10/21/2024	5.0	25.0	
P4460-04DUP	WB-303-BOTDUP	DUP	WATER	10/21/2024	5.0	25.0	
P4460-04MS	WB-303-BOTMS	MS	WATER	10/21/2024	5.0	25.0	
P4460-04MSD	WB-303-BOTMSD	MSD	WATER	10/21/2024	5.0	25.0	
PB164261TB	PB164261TB	MB	WATER	10/21/2024	5.0	25.0	
PB164298BL	PB164298BL	MB	WATER	10/21/2024	5.0	25.0	
PB164298BS	PB164298BS	LCS	WATER	10/21/2024	5.0	25.0	

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: P4460 **SAS No.:** P4460

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164306**						
P4460-04	WB-303-BOT	SAM	WATER	10/22/2024	3.0	30.0	
P4460-04DUP	WB-303-BOTDUP	DUP	WATER	10/22/2024	3.0	30.0	
P4460-04MS	WB-303-BOTMS	MS	WATER	10/22/2024	3.0	30.0	
P4460-04MSD	WB-303-BOTMSD	MSD	WATER	10/22/2024	3.0	30.0	
PB164261TB	PB164261TB	MB	WATER	10/22/2024	3.0	30.0	
PB164306BL	PB164306BL	MB	WATER	10/22/2024	30.0	30.0	
PB164306BS	PB164306BS	LCS	WATER	10/22/2024	30.0	30.0	

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133065

Review By	jaswal	Review On	10/23/2024 11:18:30 PM
Supervise By	mohan	Supervise On	10/23/2024 11:33:40 PM

STD. NAME	STD REF.#
ICAL Standard	MP82866,MP82868,MP82869,MP82870,MP82871,MP82872
ICV Standard	MP82873
CCV Standard	MP82875
ICSA Standard	
CRI Standard	MP82877
LCS Standard	
Chk Standard	MP82874,MP82876,MP82883,MP82885

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/23/24 09:26		Mohan	OK
2	S0.2	S0.2	CAL2	10/23/24 09:29		Mohan	OK
3	S2.5	S2.5	CAL3	10/23/24 09:31		Mohan	OK
4	S5	S5	CAL4	10/23/24 09:33		Mohan	OK
5	S7.5	S7.5	CAL5	10/23/24 09:35		Mohan	OK
6	S10	S10	CAL6	10/23/24 09:40		Mohan	OK
7	ICV48	ICV48	ICV	10/23/24 09:44		Mohan	OK
8	ICB48	ICB48	ICB	10/23/24 09:46		Mohan	OK
9	CCV56	CCV56	CCV	10/23/24 09:48		Mohan	OK
10	CCB56	CCB56	CCB	10/23/24 09:51		Mohan	OK
11	CRA	CRA	CRDL	10/23/24 09:53		Mohan	OK
12	HighStd	HighStd	HIGH STD	10/23/24 09:55		Mohan	OK
13	ChkStd	ChkStd	SAM	10/23/24 10:03		Mohan	OK
14	PB164306BL	PB164306BL	MB	10/23/24 10:06		Mohan	OK
15	PB164306BS	PB164306BS	LCS	10/23/24 10:08		Mohan	OK
16	P4397-06	WB-301-BOT	SAM	10/23/24 10:10		Mohan	OK
17	P4443-05	OG-315-HR-502-COM	SAM	10/23/24 10:12		Mohan	OK
18	P4443-10	OG-315-HR-502-COM	SAM	10/23/24 10:15		Mohan	OK

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ICV Standard	MP82873
CCV Standard	MP82875
ICSA Standard	
CRI Standard	MP82877
LCS Standard	
Chk Standard	MP82874,MP82876,MP82883,MP82885

19	P4458-02	280517	SAM	10/23/24 10:17		Mohan	OK
20	P4460-04	WB-303-BOT	SAM	10/23/24 10:19		Mohan	OK
21	CCV57	CCV57	CCV	10/23/24 10:22		Mohan	OK
22	CCB57	CCB57	CCB	10/23/24 10:24		Mohan	OK
23	P4460-04DUP	WB-303-BOTDUP	DUP	10/23/24 10:26		Mohan	OK
24	P4460-04MS	WB-303-BOTMS	MS	10/23/24 10:28		Mohan	OK
25	P4460-04MSD	WB-303-BOTMSD	MSD	10/23/24 10:31		Mohan	OK
26	PB164321BL	PB164321BL	MB	10/23/24 10:33		Mohan	OK
27	PB164321BS	PB164321BS	LCS	10/23/24 10:35		Mohan	OK
28	P4467-04	TP-1	SAM	10/23/24 10:37		Mohan	OK
29	P4468-02	ETGI-331	SAM	10/23/24 10:40		Mohan	OK
30	P4468-04	ETGI-329	SAM	10/23/24 10:42		Mohan	OK
31	P4468-06	ETGI-345	SAM	10/23/24 10:44		Mohan	OK
32	P4472-04	BP-F-28	SAM	10/23/24 10:47		Mohan	OK
33	CCV58	CCV58	CCV	10/23/24 10:49		Mohan	OK
34	CCB58	CCB58	CCB	10/23/24 10:51		Mohan	OK
35	P4472-08	BP-F-6	SAM	10/23/24 10:53		Mohan	OK
36	P4472-08DUP	BP-F-6DUP	DUP	10/23/24 10:56		Mohan	OK
37	P4472-08MS	BP-F-6MS	MS	10/23/24 10:58		Mohan	OK
38	P4472-08MSD	BP-F-6MSD	MSD	10/23/24 11:00		Mohan	OK

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ICV Standard	MP82873
CCV Standard	MP82875
ICSA Standard	
CRI Standard	MP82877
LCS Standard	
Chk Standard	MP82874,MP82876,MP82883,MP82885

39	PB164261TB	PB164261TB	MB	10/23/24 11:02		Mohan	OK
40	PB164301TB	PB164301TB	MB	10/23/24 11:05		Mohan	OK
41	P4460-04L	WB-303-BOTL	SD	10/23/24 11:07		Mohan	OK
42	P4460-04A	WB-303-BOTA	PS	10/23/24 11:09		Mohan	OK
43	P4472-08L	BP-F-6L	SD	10/23/24 11:12		Mohan	OK
44	P4472-08A	BP-F-6A	PS	10/23/24 11:14		Mohan	OK
45	CCV59	CCV59	CCV	10/23/24 11:16		Mohan	OK
46	CCB59	CCB59	CCB	10/23/24 11:18		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/23/24 14:24		Kareem	OK
2	S1	S1	CAL2	10/23/24 14:28		Kareem	OK
3	S2	S2	CAL3	10/23/24 14:32		Kareem	OK
4	S3	S3	CAL4	10/23/24 14:37		Kareem	OK
5	S4	S4	CAL5	10/23/24 14:41		Kareem	OK
6	S5	S5	CAL6	10/23/24 14:45		Kareem	OK
7	ICV01	ICV01	ICV	10/23/24 14:59		Kareem	OK
8	LLICV01	LLICV01	LLICV	10/23/24 15:11		Kareem	OK
9	ICB01	ICB01	ICB	10/23/24 15:16		Kareem	OK
10	CRI01	CRI01	CRDL	10/23/24 15:22		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/23/24 15:26		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/23/24 15:32		Kareem	OK
13	ICSADL	ICSADL	ICSA	10/23/24 15:36		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	10/23/24 15:40		Kareem	OK
15	CCV01	CCV01	CCV	10/23/24 15:57		Kareem	OK
16	CCB01	CCB01	CCB	10/23/24 16:02		Kareem	OK
17	P4458-02	280517	SAM	10/23/24 16:06		Kareem	OK
18	P4458-01	280517	SAM	10/23/24 16:10		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

19	P4443-05	OG-315-HR-502-COM	SAM	10/23/24 16:15		Kareem	OK
20	P4443-10	OG-315-HR-502-COM	SAM	10/23/24 16:19		Kareem	OK
21	P4443-01	OG-315-HR-502-COM	SAM	10/23/24 16:23		Kareem	OK
22	P4443-06	OG-315-HR-502-COM	SAM	10/23/24 16:28		Kareem	OK
23	P4452-01	ETGI-285	SAM	10/23/24 16:32	Ca,Cr high	Kareem	Dilution
24	P4452-01DL	ETGI-285DL	SAM	10/23/24 16:44	5x for Ca,Cr	Kareem	Confirms
25	CCV02	CCV02	CCV	10/23/24 16:48		Kareem	OK
26	CCB02	CCB02	CCB	10/23/24 16:52		Kareem	OK
27	P4397-06	WB-301-BOT	SAM	10/23/24 16:59		Kareem	OK
28	P4460-04	WB-303-BOT	SAM	10/23/24 17:03		Kareem	OK
29	P4460-04DUP	WB-303-BOTDUP	DUP	10/23/24 17:08		Kareem	OK
30	P4460-04L	WB-303-BOTL	SD	10/23/24 17:12		Kareem	OK
31	P4460-04MS	WB-303-BOTMS	MS	10/23/24 17:17	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
32	P4460-04MSD	WB-303-BOTMSD	MSD	10/23/24 17:21	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
33	P4460-04A	WB-303-BOTA	PS	10/23/24 17:25	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
34	PB164261TB	PB164261TB	MB	10/23/24 17:29		Kareem	OK
35	PB164298BL	PB164298BL	MB	10/23/24 17:34		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

36	PB164298BS	PB164298BS	LCS	10/23/24 17:38	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
37	CCV03	CCV03	CCV	10/23/24 17:42		Kareem	OK
38	CCB03	CCB03	CCB	10/23/24 17:46		Kareem	OK
39	P4456-01	PAD-10182024	SAM	10/23/24 17:51		Kareem	OK
40	P4460-02	WB-303-TOP	SAM	10/23/24 17:55		Kareem	OK
41	P4460-03	WB-303-BOT	SAM	10/23/24 17:59	MS-MSD Fail for more than 50% parameter	Kareem	OK
42	P4460-03DUP	WB-303-BOTDUP	DUP	10/23/24 18:04	MS-MSD Fail for more than 50% parameter	Kareem	OK
43	P4460-03L	WB-303-BOTL	SD	10/23/24 18:08	MS-MSD Fail for more than 50% parameter	Kareem	OK
44	P4460-03MS	WB-303-BOTMS	MS	10/23/24 18:12	MS-MSD Fail for more than 50% parameter	Kareem	OK
45	P4460-03MSD	WB-303-BOTMSD	MSD	10/23/24 18:16	MS-MSD Fail for more than 50% parameter	Kareem	OK
46	P4460-03A	WB-303-BOTA	PS	10/23/24 18:20	MS-MSD Fail for more than 50% parameter	Kareem	OK
47	PB164289BL	PB164289BL	MB	10/23/24 18:24	Fail for Al	Kareem	Not Ok
48	PB164289BS	PB164289BS	LCS	10/23/24 18:28	Fail for Al,Sb,As,Ba,Be,Cd,Pb,Mg, Mn,Se,Tl,V	Kareem	Not Ok
49	CCV04	CCV04	CCV	10/23/24 18:32		Kareem	OK
50	CCB04	CCB04	CCB	10/23/24 18:36		Kareem	OK
51	PB164244BL	PB164244BL	MB	10/23/24 18:41		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

52	PB164244BS	PB164244BS	LCS	10/23/24 18:45	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
53	PB164195TB	PB164195TB	MB	10/23/24 18:49		Kareem	OK
54	PB164197TB	PB164197TB	MB	10/23/24 18:54		Kareem	OK
55	PB164248BL	PB164248BL	MB	10/23/24 18:58		Kareem	OK
56	PB164248BS	PB164248BS	LCS	10/23/24 19:03	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
57	PB164174BL	PB164174BL	MB	10/23/24 19:07		Kareem	OK
58	PB164174BS	PB164174BS	LCS	10/23/24 19:11	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
59	PB164221BL	PB164221BL	MB	10/23/24 19:15		Kareem	OK
60	PB164221BS	PB164221BS	LCS	10/23/24 19:19	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
61	CCV05	CCV05	CCV	10/23/24 19:23		Kareem	OK
62	CCB05	CCB05	CCB	10/23/24 19:28		Kareem	OK
63	PB164222BL	PB164222BL	MB	10/23/24 19:32		Kareem	OK
64	PB164222BS	PB164222BS	LCS	10/23/24 19:36	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
65	PB164220BL	PB164220BL	MB	10/23/24 19:40		Kareem	OK
66	PB164220BS	PB164220BS	LCS	10/23/24 19:45	0.1 ML 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	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

67	P4424-01	1-N-1	SAM	10/23/24 19:49		Kareem	OK
68	P4424-01DUP	1-N-1DUP	DUP	10/23/24 19:53		Kareem	OK
69	P4424-01L	1-N-1L	SD	10/23/24 19:58		Kareem	OK
70	P4424-01MS	1-N-1MS	MS	10/23/24 20:02	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
71	P4424-01MSD	1-N-1MSD	MSD	10/23/24 20:06	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
72	P4424-01A	1-N-1A	PS	10/23/24 20:11	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
73	CCV06	CCV06	CCV	10/23/24 20:15		Kareem	OK
74	CCB06	CCB06	CCB	10/23/24 20:21		Kareem	OK
75	P4424-02	1-S-1	SAM	10/23/24 20:25		Kareem	OK
76	P4424-03	1-B-1	SAM	10/23/24 20:30		Kareem	OK
77	P4397-04DL	WB-301-SWDL	SAM	10/23/24 20:47	Not Use	Kareem	Not Ok
78	P4397-04DUPDL	WB-301-SWDUPDL	DUP	10/23/24 20:51	Not Use	Kareem	Not Ok
79	P4397-04LDL	WB-301-SWLDL	SD	10/23/24 20:56	Not Use	Kareem	Not Ok
80	P4397-04MSDL	WB-301-SWMSDL	MS	10/23/24 21:00	Not Use	Kareem	Not Ok
81	P4397-04MSDDL	WB-301-SWMSDDL	MSD	10/23/24 21:05	Not Use	Kareem	Not Ok
82	LR1	LR1	HIGH STD	10/23/24 21:11		Kareem	OK
83	LR2	LR2	HIGH STD	10/23/24 21:16		Kareem	OK

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Instrument ID: P4

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Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

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ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

84	CCV07	CCV07	CCV	10/23/24 21:28		Kareem	OK
85	CCB07	CCB07	CCB	10/23/24 21:34		Kareem	OK
86	P4397-04ADL	WB-301-SWADL	PS	10/23/24 21:39	Not Use	Kareem	Not Ok
87	P4347-01	EFFLUENT-DAY-1-MI	SAM	10/23/24 21:43		Kareem	OK
88	P4347-01DUP	EFFLUENT-DAY-1-MI	DUP	10/23/24 21:47		Kareem	OK
89	P4347-01L	EFFLUENT-DAY-1-MI	SD	10/23/24 21:52		Kareem	OK
90	P4347-01MS	EFFLUENT-DAY-1-MI	MS	10/23/24 21:56	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
91	P4347-01MSD	EFFLUENT-DAY-1-MI	MSD	10/23/24 22:04	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
92	P4347-01A	EFFLUENT-DAY-1-MI	PS	10/23/24 22:08	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
93	PB164302BL	PB164302BL	MB	10/23/24 22:12		Kareem	OK
94	PB164302BS	PB164302BS	LCS	10/23/24 22:16	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
95	CCV08	CCV08	CCV	10/23/24 22:20		Kareem	OK
96	CCB08	CCB08	CCB	10/23/24 22:25		Kareem	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB164298

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 10/21/2024 **Time :** 11:45 **Temp :** 95 °C

End Digest Date: 10/21/2024 **Time :** 14:55 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: jgp

Supervisor Signature:

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6000
LFS-2	0.25	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
Conc. HNO3	3.00	M6093
1:1 HCL	5.00	MP82127
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

Hot Block # 1 Cell # 50 Temp: 95 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 15:00	jgp / Met dig.	Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB164298

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
P4397-06	WB-301-BOT	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	11
P4443-05	OG-315-HR-502-COMP-29	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	12
P4443-10	OG-315-HR-502-COMP-30	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	13
P4458-02	280517	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	14
P4460-04	WB-303-BOT	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	15
P4460-04MS	WB-303-BOTMS	<2	5	25	Colorless	Colorless	Clear	Clear	M6000,M6009	17
P4460-04MSD	WB-303-BOTMSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6000,M6009	18
P4460-04DUP	WB-303-BOTDUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	16
PB164261TB	PB164261TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	19
PB164298BL	PBW298	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	20
PB164298BS	LCS298	<2	5	25	Colorless	Colorless	Clear	Clear	M6000,M6009	21

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB164306

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : M4909

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 10/22/2024 **Time :** 11:50 **Temp :** 94 °C

End Digest Date: 10/22/2024 **Time :** 13:50 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: 12

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP82873
CCV	30mL	MP82875
CRA	30mL	MP82877
Blank Spike	0.48mL	MP82865
Matrix Spike	0.48mL	MP82865

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP82651
KMnO4 (5%)	4.5mL	MP82652
K2S2O8 (5%)	2.5mL	MP82653
Hydroxylamine HCL (12%)	2.0mL	MP82654
N/A	N/A	N/A
N/A	N/A	N/A
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	MP82866
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP82868
2.5 ppb	S2.5	30mL	MP82869
5.0 ppb	S5.0	30mL	MP82870
7.5 ppb	S7.5	30mL	MP82871
10.0 ppb	S10.0	30mL	MP82872
ICV	ICV	30mL	MP82873
ICB	ICB	30mL	MP82874
CCV	CCV	30mL	MP82875
CCB	CCB	30mL	MP82876
CRI	CRI	30mL	MP82877
CHK STD	CHK STD	30mL	MP82883

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/24 @ 14:20	MB - DIG. LAB	MB - metal LAB
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB164306

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
P4397-06	WB-301-BOT	3	30	<2	N/A	3-1
P4443-05	OG-315-HR-502-COMP-29	3	30	<2	N/A	2
P4443-10	OG-315-HR-502-COMP-30	3	30	<2	N/A	3
P4458-02	280517	3	30	<2	N/A	4
P4460-04	WB-303-BOT	3	30	<2	N/A	5
P4460-04DUP	WB-303-BOTDUP	3	30	<2	N/A	6
P4460-04MS	WB-303-BOTMS	3	30	<2	MP82865	7
P4460-04MSD	WB-303-BOTMSD	3	30	<2	MP82865	8
PB164261TB	PB164261TB	3	30	<2	N/A	9
PB164306BL	PBS306	30	30	<2	N/A	10
PB164306BS	LCS306	30	30	<2	MP82865	11

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164261

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 10/18/2024 **Time :** 17:00

End Prep Date : 10/19/2024 **Time :** 10:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	N/A
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Tumbler T-1 CHECKED,30 RPM. Particle size reduction is not required. p4460-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 0810	JP TCLP Room	JPP EXT
	Preparation Group	Analysis Group 1014 D/G

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164261

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4397-06	WB-301-BOT	01	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4443-05	OG-315-HR-502-COMP-29	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P4443-10	OG-315-HR-502-COMP-30	03	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4458-02	280517	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4460-04	WB-303-BOT	05	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
PB164261TB	LEB261	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB164261

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4397-06	WB-301-BOT	N/A	N/A	N/A	N/A	100	N/A
P4443-05	OG-315-HR-502-COMP-29	N/A	N/A	N/A	N/A	100	N/A
P4443-10	OG-315-HR-502-COMP-30	N/A	N/A	N/A	N/A	100	N/A
P4458-02	280517	N/A	N/A	N/A	N/A	100	N/A
P4460-04	WB-303-BOT	N/A	N/A	N/A	N/A	100	N/A
PB164261TB	LEB261	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB164261

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4397-06	WB-301-BOT	5.02	96.5	7.4	2.5	#1	4.93
P4443-05	OG-315-HR-502-COMP-29	5.03	96.5	7.6	2.5	#1	4.93
P4443-10	OG-315-HR-502-COMP-30	5.02	96.5	6.0	2.0	#1	4.93
P4458-02	280517	5.01	96.5	7.6	2.5	#1	4.93
P4460-04	WB-303-BOT	5.02	96.5	8.4	3.0	#1	4.93
PB164261TB	LEB261	N/A	N/A	N/A	N/A	#1	4.93

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24 09:50
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-TOP	SDG No.:	P4460
Lab Sample ID:	P4460-02	Matrix:	SOIL
		% Solid:	51.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.15	U	1	0.15	0.77	mg/Kg	10/22/24 09:00	10/22/24 12:57	7196A
Trivalent Chromium	145		1	0.97	0.97	mg/Kg		10/23/24 17:55	6010D

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24 10:40
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-03	Matrix:	SOIL
		% Solid:	80.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.098	U	1	0.098	0.50	mg/Kg	10/22/24 09:00	10/22/24 12:58	7196A
Trivalent Chromium	14.6		1	0.62	0.62	mg/Kg		10/23/24 17:59	6010D

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/18/24 10:40
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-BOT	SDG No.:	P4460
Lab Sample ID:	P4460-04	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.30	H	1	0	0	pH		10/18/24 17:10	9045D
Ignitability	NO		1	0	0	oC		10/21/24 10:27	1030
Reactive Cyanide	0.0088	U	1	0.0088	0.050	mg/Kg	10/21/24 13:30	10/21/24 15:50	9012B
Reactive Sulfide	1.60	J	1	0.19	10.0	mg/Kg	10/22/24 09:20	10/22/24 11:48	9034

Comments: pH result reported at temperature 21.4 °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:	Portal Partners Tri-Venture	Date Collected:	10/18/24 09:00
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/18/24
Client Sample ID:	WB-303-SW	SDG No.:	P4460
Lab Sample ID:	P4460-06	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.0030	U	1	0.0030	0.010	mg/L		10/18/24 17:04	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		10/24/24 19:00	6010D

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	P4460
Project:	Amtrak Sawtooth Bridges 2024	**RunNo.:**	LB133010

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	10/18/2024
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.504	0.5	101	90-110	10/18/2024
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	10/18/2024

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Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	P4460
Project:	Amtrak Sawtooth Bridges 2024	**RunNo.:**	LB133013

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Corrosivity		pH	7.00	7	100	90-110	10/18/2024
Sample ID:	**CCV1**						
Corrosivity		pH	2.01	2.00	101	90-110	10/18/2024
Sample ID:	**CCV2**						
Corrosivity		pH	12.02	12.00	100	90-110	10/18/2024

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Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	P4460
Project:	Amtrak Sawtooth Bridges 2024	**RunNo.:**	LB133034

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.097	0.099	98	85-115	10/21/2024
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	10/21/2024
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	10/21/2024
Sample ID: CCV3						
Reactive Cyanide	mg/L	0.26	0.25	104	90-110	10/21/2024

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Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	P4460
Project:	Amtrak Sawtooth Bridges 2024	**RunNo.:**	LB133044

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	10/22/2024
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	10/22/2024
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.500	0.5	100	90-110	10/22/2024
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	10/22/2024

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Initial and Continuing Calibration Blank Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	P4460
Project:	Amtrak Sawtooth Bridges 2024	**RunNo.:**	LB133010

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	10/18/2024
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/18/2024
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/18/2024

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Initial and Continuing Calibration Blank Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	P4460
Project:	Amtrak Sawtooth Bridges 2024	**RunNo.:**	LB133034

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/21/2024
Sample ID: CCB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/21/2024
Sample ID: CCB2							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/21/2024
Sample ID: CCB3							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	10/21/2024

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Initial and Continuing Calibration Blank Summary

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Project: Amtrak Sawtooth Bridges 2024 **RunNo.:** LB133044

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	10/22/2024
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/22/2024
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/22/2024
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	10/22/2024

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Preparation Blank Summary

Client: Portal Partners Tri-Venture **SDG No.:** P4460

Project: Amtrak Sawtooth Bridges 2024

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB133010BL							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	10/18/2024
Sample ID: PB164265BL							
Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0088	0.05	10/21/2024
Sample ID: PB164266BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	10/22/2024
Sample ID: PB164267BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.186	10	10/22/2024

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P4460-03
Client ID: WB-303-BOTMS
Percent Solids for Spike Sample: 80.1

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	1450		0.098	U	1600	40	91		10/22/2024

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P4460-03
Client ID: WB-303-BOTMS
Percent Solids for Spike Sample: 80.1

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	46.7		0.098	U	49.9	2	94		10/22/2024

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P4460-03
Client ID: WB-303-BOTMS
Percent Solids for Spike Sample: 80.1

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	38.6		0.098	U	49.9	2	77		10/22/2024

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P4460-06
Client ID: WB-303-SWMS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/L	90-111	1.00		0.0030	U	1.0	2	100		10/18/2024

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P4460-06
Client ID: WB-303-SWMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/L	90-111	1.00		0.0030	U	1.0	2	100		10/18/2024

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P4397-06
Client ID: WB-301-BOTDUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		10/21/2024
Reactive Cyanide	mg/Kg	+/-20	0.0087	U	0.013	J	1	200	*	10/21/2024
Reactive Sulfide	mg/Kg	+/-20	1.58	J	1.58	J	1	0		10/22/2024

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P4460-03
Client ID: WB-303-BOTDUP
Percent Solids for Spike Sample: 80.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.098	U	0.098	U	1	0		10/22/2024

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P4460-04
Client ID: WB-303-BOTDUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Corrosivity	pH	+/-20	8.30		8.31		1	0.12		10/18/2024

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P4460-06
Client ID: WB-303-SWDUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/L	+/-20	0.0030	U	0.0030	U	1	0		10/18/2024

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: P4460
Project: Amtrak Sawtooth Bridges 2024
Sample ID: P4460-06
Client ID: WB-303-SWMSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/L	+/-20	1.00		1.00		2	0.2		10/18/2024

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Laboratory Control Sample Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	P4460
Project:	Amtrak Sawtooth Bridges 2024	**Run No.:**	LB133010

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB133010BS								
Hexavalent Chromium	mg/L	0.5	0.52		103	1	90-111	10/18/2024

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Laboratory Control Sample Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	P4460
Project:	Amtrak Sawtooth Bridges 2024	**Run No.:**	LB133044

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB164266BS								
Hexavalent Chromium	mg/Kg	20	20.0		100	1	84-110	10/22/2024

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133010

Review By	rubina	Review On	10/18/2024 5:19:57 PM
Supervise By	Iwona	Supervise On	10/21/2024 10:10:08 AM
SubDirectory	LB133010	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	WP110294,WP110293,WP110291,WP110290,WP110246,WP107791,WP110292,WP110297,WP110295,WP110296

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/18/24 16:50		rubina	OK
2	CAL2	CAL2	CAL	10/18/24 16:51		rubina	OK
3	CAL3	CAL3	CAL	10/18/24 16:52		rubina	OK
4	CAL4	CAL4	CAL	10/18/24 16:53		rubina	OK
5	CAL5	CAL5	CAL	10/18/24 16:54		rubina	OK
6	CAL6	CAL6	CAL	10/18/24 16:55		rubina	OK
7	CAL7	CAL7	CAL	10/18/24 16:56		rubina	OK
8	ICV	ICV	ICV	10/18/24 16:57		rubina	OK
9	ICB	ICB	ICB	10/18/24 16:58		rubina	OK
10	CCV1	CCV1	CCV	10/18/24 16:59		rubina	OK
11	CCB1	CCB1	CCB	10/18/24 17:00		rubina	OK
12	RL Check	RL Check	SAM	10/18/24 17:01		rubina	OK
13	LB133010BL	LB133010BL	MB	10/18/24 17:02		rubina	OK
14	LB133010BS	LB133010BS	LCS	10/18/24 17:03		rubina	OK
15	P4460-06	WB-303-SW	SAM	10/18/24 17:04		rubina	OK
16	P4460-06DUP	WB-303-SWDUP	DUP	10/18/24 17:05		rubina	OK
17	P4460-06MS	WB-303-SWMS	MS	10/18/24 17:06		rubina	OK
18	P4460-06MSD	WB-303-SWMSD	MSD	10/18/24 17:07		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133010

Review By	rubina	Review On	10/18/2024 5:19:57 PM
Supervise By	Iwona	Supervise On	10/21/2024 10:10:08 AM
SubDirectory	LB133010	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	WP110294,WP110293,WP110291,WP110290,WP110246,WP107791,WP110292,WP110297,WP110295,WP110296

19	CCV2	CCV2	CCV	10/18/24 17:08		rubina	OK
20	CCB2	CCB2	CCB	10/18/24 17:09		rubina	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133013

Review By	jignesh	Review On	10/19/2024 12:17:28 PM
Supervise By	Iwona	Supervise On	10/21/2024 10:08:59 AM
SubDirectory	LB133013	Test	Corrosivity

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	10/18/24 16:30		Jignesh	OK
2	CAL2	CAL2	CAL	10/18/24 16:31		Jignesh	OK
3	CAL3	CAL3	CAL	10/18/24 16:33		Jignesh	OK
4	ICV	ICV	ICV	10/18/24 16:37		Jignesh	OK
5	CCV1	CCV1	CCV	10/18/24 16:40		Jignesh	OK
6	P4397-06	WB-301-BOT	SAM	10/18/24 16:45		Jignesh	OK
7	P4443-05	OG-315-HR-502-COM	SAM	10/18/24 16:48		Jignesh	OK
8	P4443-10	OG-315-HR-502-COM	SAM	10/18/24 16:50		Jignesh	OK
9	P4458-02	280517	SAM	10/18/24 17:00		Jignesh	OK
10	P4460-04	WB-303-BOT	SAM	10/18/24 17:10		Jignesh	OK
11	P4460-04DUP	WB-303-BOTDUP	DUP	10/18/24 17:11		Jignesh	OK
12	CCV2	CCV2	CCV	10/18/24 17:15		Jignesh	OK

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Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB133020

Review By	rubina	Review On	10/21/2024 11:12:11 AM
Supervise By	Iwona	Supervise On	10/21/2024 11:13:29 AM
SubDirectory	LB133020	Test	Ignitability

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	P4397-06	WB-301-BOT	SAM	10/21/24 09:20		rubina	OK
2	P4397-06DUP	WB-301-BOTDUP	DUP	10/21/24 09:28		rubina	OK
3	P4443-01	OG-315-HR-502-COM	SAM	10/21/24 09:35		rubina	OK
4	P4443-05	OG-315-HR-502-COM	SAM	10/21/24 09:42		rubina	OK
5	P4443-06	OG-315-HR-502-COM	SAM	10/21/24 09:50		rubina	OK
6	P4443-10	OG-315-HR-502-COM	SAM	10/21/24 09:58		rubina	OK
7	P4454-03	34542-43	SAM	10/21/24 10:05		rubina	OK
8	P4458-01	280517	SAM	10/21/24 10:12		rubina	OK
9	P4458-02	280517	SAM	10/21/24 10:20		rubina	OK
10	P4460-04	WB-303-BOT	SAM	10/21/24 10:27		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB133034

Review By	Niha	Review On	10/22/2024 8:50:05 AM
Supervise By	Iwona	Supervise On	10/22/2024 9:43:54 AM
SubDirectory	LB133034	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP110325,WP110326,WP110327,WP110328,WP110329,WP110330,WP110331
ICV Standard	WP110333
CCV Standard	WP110326
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP109068,WP110103,WP110332

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	10/21/24 14:13		Niha	OK
2	5.0PPBCN	5.0PPBCN	CAL2	10/21/24 14:13		Niha	OK
3	10PPBCN	10PPBCN	CAL3	10/21/24 14:13		Niha	OK
4	50PPBCN	50PPBCN	CAL4	10/21/24 14:13		Niha	OK
5	100PPBCN	100PPBCN	CAL5	10/21/24 14:13		Niha	OK
6	250PPBCN	250PPBCN	CAL6	10/21/24 14:13		Niha	OK
7	500PPBCN	500PPBCN	CAL7	10/21/24 14:13		Niha	OK
8	ICV1	ICV1	ICV	10/21/24 15:35		Niha	OK
9	ICB1	ICB1	ICB	10/21/24 15:35		Niha	OK
10	CCV1	CCV1	CCV	10/21/24 15:35		Niha	OK
11	CCB1	CCB1	CCB	10/21/24 15:35		Niha	OK
12	PB164265BL	PB164265BL	MB	10/21/24 15:35		Niha	OK
13	P4397-06	WB-301-BOT	SAM	10/21/24 15:35		Niha	OK
14	P4397-06DUP	WB-301-BOTDUP	DUP	10/21/24 15:42		Niha	OK
15	P4430-01	VNJ-209	SAM	10/21/24 15:42		Niha	OK
16	P4443-10	OG-315-HR-502-COM	SAM	10/21/24 15:42		Niha	OK
17	P4458-02	280517	SAM	10/21/24 15:42		Niha	OK
18	P4460-04	WB-303-BOT	SAM	10/21/24 15:50		Niha	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB133034

Review By	Niha	Review On	10/22/2024 8:50:05 AM
Supervise By	Iwona	Supervise On	10/22/2024 9:43:54 AM
SubDirectory	LB133034	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP110325,WP110326,WP110327,WP110328,WP110329,WP110330,WP110331
ICV Standard	WP110333
CCV Standard	WP110326
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP109068,WP110103,WP110332

19	P4467-04	TP-1	SAM	10/21/24 15:50		Niha	OK
20	P4468-04	ETGI-329	SAM	10/21/24 15:50		Niha	OK
21	P4443-05	OG-315-HR-502-COM	SAM	10/21/24 15:50		Niha	OK
22	CCV2	CCV2	CCV	10/21/24 15:50		Niha	OK
23	CCB2	CCB2	CCB	10/21/24 15:55		Niha	OK
24	P4468-06	ETGI-345	SAM	10/21/24 15:55		Niha	OK
25	CCV3	CCV3	CCV	10/21/24 15:55		Niha	OK
26	CCB3	CCB3	CCB	10/21/24 15:55		Niha	OK

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Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB133040

Review By	rubina	Review On	10/22/2024 12:08:17 PM
Supervise By	Iwona	Supervise On	10/22/2024 12:08:34 PM
SubDirectory	LB133040	Test	Reactive Sulfide

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3105,W3114,W3149

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB164267BL	PB164267BL	MB	10/22/24 11:30		rubina	OK
2	P4397-06	WB-301-BOT	SAM	10/22/24 11:33		rubina	OK
3	P4397-06DUP	WB-301-BOTDUP	DUP	10/22/24 11:35		rubina	OK
4	P4430-01	VNJ-209	SAM	10/22/24 11:38		rubina	OK
5	P4443-05	OG-315-HR-502-COM	SAM	10/22/24 11:40		rubina	OK
6	P4443-10	OG-315-HR-502-COM	SAM	10/22/24 11:43		rubina	OK
7	P4458-02	280517	SAM	10/22/24 11:45		rubina	OK
8	P4460-04	WB-303-BOT	SAM	10/22/24 11:48		rubina	OK
9	P4467-04	TP-1	SAM	10/22/24 11:50		rubina	OK
10	P4468-04	ETGI-329	SAM	10/22/24 11:53		rubina	OK
11	P4468-06	ETGI-345	SAM	10/22/24 11:56		rubina	OK
12	P4472-04	BP-F-28	SAM	10/22/24 11:58		rubina	OK
13	P4472-08	BP-F-6	SAM	10/22/24 12:00		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133044

Review By	rubina	Review On	10/22/2024 1:21:12 PM
Supervise By	Iwona	Supervise On	10/24/2024 9:43:11 AM
SubDirectory	LB133044	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	WP110246,WP107791,WP107796,WP108645

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/22/24 12:40		rubina	OK
2	CAL2	CAL2	CAL	10/22/24 12:41		rubina	OK
3	CAL3	CAL3	CAL	10/22/24 12:42		rubina	OK
4	CAL4	CAL4	CAL	10/22/24 12:43		rubina	OK
5	CAL5	CAL5	CAL	10/22/24 12:44		rubina	OK
6	CAL6	CAL6	CAL	10/22/24 12:45		rubina	OK
7	CAL7	CAL7	CAL	10/22/24 12:46		rubina	OK
8	ICV	ICV	ICV	10/22/24 12:47		rubina	OK
9	ICB	ICB	ICB	10/22/24 12:48		rubina	OK
10	CCV1	CCV1	CCV	10/22/24 12:49		rubina	OK
11	CCB1	CCB1	CCB	10/22/24 12:50		rubina	OK
12	RL Check	RL Check	SAM	10/22/24 12:51		rubina	OK
13	PB164266BL	PB164266BL	MB	10/22/24 12:52		rubina	OK
14	PB164266BS	PB164266BS	LCS	10/22/24 12:53		rubina	OK
15	P4443-01	OG-315-HR-502-COM	SAM	10/22/24 12:54		rubina	OK
16	P4443-06	OG-315-HR-502-COM	SAM	10/22/24 12:55		rubina	OK
17	P4458-01	280517	SAM	10/22/24 12:56		rubina	OK
18	P4460-02	WB-303-TOP	SAM	10/22/24 12:57		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB133044

Review By	rubina	Review On	10/22/2024 1:21:12 PM
Supervise By	Iwona	Supervise On	10/24/2024 9:43:11 AM
SubDirectory	LB133044	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	WP110246,WP107791,WP107796,WP108645

19	P4460-03	WB-303-BOT	SAM	10/22/24 12:58		rubina	OK
20	P4460-03DUP	WB-303-BOTDUP	DUP	10/22/24 12:59		rubina	OK
21	P4460-03MSPre	WB-303-BOTMS	MS	10/22/24 13:00		rubina	OK
22	P4460-03MS2Ins	WB-303-BOTMS	MS	10/22/24 13:01		rubina	OK
23	CCV2	CCV2	CCV	10/22/24 13:02		rubina	OK
24	CCB2	CCB2	CCB	10/22/24 13:03		rubina	OK
25	P4460-03MS3Post	WB-303-BOTMS	MS	10/22/24 13:04		rubina	OK
26	P4467-01	TP-1	SAM	10/22/24 13:05		rubina	OK
27	P4468-03	ETGI-329	SAM	10/22/24 13:06		rubina	OK
28	P4468-05	ETGI-345	SAM	10/22/24 13:07		rubina	OK
29	P4471-01	B-180-SB01	SAM	10/22/24 13:08		rubina	OK
30	P4471-02	B-180-SB02	SAM	10/22/24 13:09		rubina	OK
31	P4472-01	BP-F-28	SAM	10/22/24 13:10		rubina	OK
32	P4472-05	BP-F-6	SAM	10/22/24 13:11		rubina	OK
33	CCV3	CCV3	CCV	10/22/24 13:12		rubina	OK
34	CCB3	CCB3	CCB	10/22/24 13:13		rubina	OK

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LAB CHRONICLE

OrderID:	P4460	**OrderDate:**	10/18/2024 3:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4460-02	**WB-303-TOP**	**SOIL**			**10/18/24 09:50**			**10/18/24**
			Hexavalent Chromium	7196A		10/22/24	10/22/24 12:57	
			Trivalent Chromium	6010D			10/23/24 17:55	
P4460-03	**WB-303-BOT**	**SOIL**			**10/18/24 10:40**			**10/18/24**
			Hexavalent Chromium	7196A		10/22/24	10/22/24 12:58	
			Trivalent Chromium	6010D			10/23/24 17:59	
P4460-04	**WB-303-BOT**	**SOIL**			**10/18/24 10:40**			**10/18/24**
			Corrosivity	9045D			10/18/24 17:10	
			Ignitability	1030			10/21/24 10:27	
			Reactive Cyanide	9012B		10/21/24	10/21/24 15:50	
			Reactive Sulfide	9034		10/22/24	10/22/24 11:48	
P4460-06	**WB-303-SW**	**WATER**			**10/18/24 09:00**			**10/18/24**
			Hexavalent Chromium	7196A			10/18/24 17:04	
			trivalent Chromium	6010D			10/24/24 19:00	

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB164265

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-20

SDG No : N/A

Start Digest Date: 10/21/2024 **Time :** 13:30 **Temp :** N/A

Matrix : SOIL

End Digest Date: 10/21/2024 **Time :** 15:00 **Temp :** N/A

Pippete ID : N/A

Balance ID : WC SC-4

Hood ID : HOOD#1 **Digestion tube ID :** M5595 **Block Thermometer ID :** N/A

Block ID : MC-1,MC-2 **Filter paper ID :** N/A **Prep Technician Signature:** NF

Weigh By : NF **pH Meter ID :** N/A **Supervisor Signature:** IZ

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP108640
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID		Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10.21.2024, 15:10	NF(WC)	NF
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Cyanide Preparation Sheet

PB164265

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P4397-06	WB-301-BOT	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4397-06DUP	WB-301-BOTDUP	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4430-01	VNJ-209	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4443-05	OG-315-HR-502-COMP-29	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4443-10	OG-315-HR-502-COMP-30	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4458-02	280517	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4460-04	WB-303-BOT	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4467-04	TP-1	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
P4468-04	ETGI-329	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4468-06	ETGI-345	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
PB164265BL	PBS265	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB164266

15

SOP ID : M3060A,7196A-Hex.Chromium-26

SDG No : N/A

Start Digest Date: 10/22/2024 **Time :** 09:00 **Temp :** 90 °C

Matrix : SOIL

End Digest Date: 10/22/2024 **Time :** 10:00 **Temp :** 94 °C

Pippete ID : WC

il batch 10/22/2024 10:15 90c JRM
10/22/2024 11:15 95c

Balance ID : WC SC-4

Hood ID : HOOD#3 **Digestion tube ID :** M6054 **Block Thermometer ID :** WC-Block#1

Block ID : WC S-2, WC S-1 **Filter paper ID :** 400213 **Prep Technician Signature:** RM

Weigh By : RM **pH Meter ID :** WC pH meter-1 **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	WP108008
HEX. DIGESTION SOLN.	50.0ML	WP110092
5M HNO3	5-7ML	WP107796
5N H2SO4	1-3ML	WP107791
N/A	N/A	N/A
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	WP110336
CAL3	CAL3	0.5ML	WP110336
CAL4	CAL4	1ML	WP110336
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: 10/22/2024 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

PB164266

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P4443-01	OG-315-HR-502-COMP-29	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4443-06	OG-315-HR-502-COMP-30	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4458-01	280517	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4460-02	WB-303-TOP	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
P4460-03	WB-303-BOT	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4460-03DUP	WB-303-BOTDUP	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4460-03MSPre	WB-303-BOTMSPRE	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
P4460-03MS2Ins	WB-303-BOTMS2INS	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4460-03MS3Post	WB-303-BOTMS3POST	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4467-01	TP-1	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4468-03	ETGI-329	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4468-05	ETGI-345	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
P4471-01	B-180-SB01	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
P4471-02	B-180-SB02	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
P4472-01	BP-F-28	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
P4472-05	BP-F-6	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
PB164266BL	PBS266	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB164266BS	LCS266	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB164267

SOP ID : M9030B-Sulfide-12

SDG No : N/A

Start Digest Date: 10/22/2024 **Time :** 09:20 **Temp :** N/A

Matrix : SOIL

End Digest Date: 10/22/2024 **Time :** 10:50 **Temp :** N/A

Pippete ID : WC

Balance ID : WC SC-4

Hood ID : HOOD#1 **Digestion tube ID :** M5595 **Block Thermometer ID :** N/A

Block ID : MC-1,MC-2 **Filter paper ID :** N/A **Prep Technician Signature:** RM

Weigh By : RM **pH Meter ID :** N/A **Supervisor Signature:** 12

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.5M ZINC ACETATE	5.0ML	WP108780
FORMALDEHYDE	2.0ML	W2725
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

10/22/2024 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB164267

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
P4397-06	WB-301-BOT	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
P4397-06DUP	WB-301-BOTDUP	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
P4430-01	VNJ-209	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
P4443-05	OG-315-HR-502-COMP-29	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
P4443-10	OG-315-HR-502-COMP-30	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4458-02	280517	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
P4460-04	WB-303-BOT	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
P4467-04	TP-1	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
P4468-04	ETGI-329	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4468-06	ETGI-345	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
P4472-04	BP-F-28	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
P4472-08	BP-F-6	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
PB164267BL	PBS267	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

for Vrunda

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. P4460/61
COC Number 2042033

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GANNETT FLEMING
ADDRESS: 1010 ADAMS AVENUE
CITY AUDUBON STATE: PA ZIP: 19403
ATTENTION: JOE KRUPANSKY
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: ANTRAK'S REPLACEMENT OF BRIDGE SAWTOOTH
PROJECT NO.: 95000000818 LOCATION: KEARNY, NJ
PROJECT MANAGER: JOE KRUPANSKY
e-mail: QAQC@bemgs.com
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: CHemtech PO#:
ADDRESS: 284 Sheffield St.
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha PHONE 908-728-3148

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT BEM EDD

ANALYSIS

1	2	3	4	5	6	7	8	9
TCL VOC+10	TCL PAH	PCB	TAL METALS	Cr(VI), Cr(III)	EPH	FULL TCLP	RCRA PARAMETERS	TOX

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (A)	2	3	4 (B)	5 (F)	6	7	8	9	COMMENTS
1.	WB-303-SH	GW	X		10/18	9:00	7	X	X	X	X	X	X				
2.	WB-303-TOP	S	X		10/18	9:50	11	X	X	X	X	X	X				
3.	WB-303-BOT	S	X		10/18	10:40	11	X	X	X	X	X	X	X	X	X	
4.	TB-10182024	W			10/18	LAB	2	X									
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		
RELINQUISHED BY SAMPLER: Nate Mirarchi	10/18/24 1450	RECEIVED BY: 1.	1450 10-18-24
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1600 10-18-24	RECEIVED BY: 3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0 °C
Comments:

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4460 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 10/18/2024 3:24:00 PM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 10/18/2024 4:00:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4460-02	WB-303-TOP	Solid	10/18/2024	09:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4460-03	WB-303-BOT	Solid	10/18/2024	10:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4460-05	TB-10182024	Water	10/18/2024	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
P4460-06	WB-303-SW	Water	10/18/2024	09:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By:
Date / Time : 10-18-24 1620

Received By :
Date / Time : 4:45 PM 10/18/24

Storage Area : VOA Refridgerator Room