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

DATA PACKAGE

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

PROJECT NAME : AMTRAK SAWTOOTH BRIDGES 2025

PORTAL PARTNERS TRI-VENTURE

c/o Gannett Fleming Inc. Transit and Rail System

207 Senate Avenue

Camp Hill, PA - 17011

Phone No: 610-650-8101

ORDER ID : Q1514

ATTENTION : Joseph Krupansky

Laboratory Certification ID # 20012

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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : Portal Partners Tri-Venture

Project Location : Kearny, NJ

Project Number : 9500000818

Laboratory Sample ID(s) : Q1514

Sampling Date(s) : 03/05/2025,03/06/2025

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

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

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

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Cover Page

Order ID : Q1514

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q1514-01	ENV-105-SB01
Q1514-02	ENV-105-SB01
Q1514-03	ENV-105-SB02
Q1514-04	ENV-105-SB02
Q1514-05	ENV-103-SB01
Q1514-06	ENV-103-SB01
Q1514-07	ENV-105-GW01
Q1514-08	ENV-103-GW01
Q1514-09	FB03062025
Q1514-10	TB03062025

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: 3/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1514
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 03/06/2025.
4 Water samples were received on 03/06/2025.

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 30 m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

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

The %RSD is greater than 20% in the Initial Calibration method (82N021825W.M) for Styrene this compound are passing on Quadratic Regression.

The Continuous Calibration File ID VN085914.D met the requirements except for 2-Butanone,2-Hexanone,4-Methyl-2-Pentanone,m/p-Xylenes,Methylcyclohexane,o-Xylene,Styrene,t-1,3-Dichloropropene and Toluene are failing high but no positive hit in associate sample therefore no corrective action taken.

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The Continuous Calibration File ID VN085928.D met the requirements except for 2-Hexanone,4-Methyl-2-Pentanone,Bromochloromethane,Ethyl Benzene,m/p-Xylenes,Methylcyclohexane,o-Xylene,t-1,3-Dichloropropene, and Toluene are failing high but no positive hit in associate sample therefore no corrective action taken, while 4-Bromofluorobenzene which is not our target compound, therefore no corrective action taken.

The Continuous Calibration File ID VY021474.D met the requirements except for Dibromofluoromethane is failing marginally low therefore no corrective action taken, while 1,2-Dichloroethane-d4 and Toluene-d8 which are not our target compounds, therefore no corrective action taken.

The Tuning criteria met requirements.

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

The Sample #ENV-105-SB01 and ENV-105-SB02 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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 p ackage is in compliance with the te rms and conditions of the contract, both technically and for com pleteness, 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 2025
Project # N/A
Chemtech Project # Q1514
Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 03/06/2025.
4 Water samples were received on 03/06/2025.

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 requirements..

The Continuous Calibration File ID VN085928.D met the requirements except for 4-Bromofluorobenzene is failing high which is not our target compound, therefore no corrective action taken.

The Tuning criteria met requirements.

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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.

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 2025
Project # N/A
Chemtech Project # Q1514
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 03/06/2025.
4 Water samples were received on 03/06/2025.

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 dfThe samples were analyzed on instrument BNA_G 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 {Q1514-03MS} with File ID: BG064066.D recoveries met the requirements for all compounds except for 3,3-Dichlorobenzidine[39%], 3-Nitroaniline[37%], 4-Chloroaniline[20%] and Hexachlorocyclopentadiene[168%] , these compound did not meet the NJDKQP criteria but met the in-house criteria therefor no further no corrective action taken.

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The MSD {Q1514-03MSD} with File ID: BG064067.D recoveries met the acceptable requirements except for 3,3-Dichlorobenzidine[40%], 3-Nitroaniline[40%], 4-Chloroaniline[23%] and Hexachlorocyclopentadiene[161%] , these compound did not meet the NJDKQP criteria but met the in-house criteria therefor no further no corrective action taken.

The RPD met criteria .

The Blank Spike for {PB167031BS} with File ID: BG064058.D met requirements for all samples except for 3,3-Dichlorobenzidine[53%], 3-Nitroaniline[51%] and 4-Chloroaniline[39%] , these compounds did not meet the NJDKQP criteria but met the in-house criteria. No further corrective action required.

The Blank Spike Duplicate met requirements for all samples .The Blank Spike for {PB167027BS} with File ID: BG064060.D met requirements for all samples except for 3-Nitroaniline[51%], 3,3-Dichlorobenzidine[58%], 4-Chloroaniline[36%] , these compounds did not meet the NJDKQP criteria but met the in-house criteria. No further corrective action required and Atrazine[131%], Recovery is failed high side , Associated samples does not have hit for this compound , No further corrective action required.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF031025.M) for 2,4-Dinitrophenol and this compound is passing on Linear Regression.

The % RSD is greater than 20% in the Initial Calibration (8270-BG030525.M) for 2,6-Dinitrotoluene, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol, Butylbenzlphthalate, these compounds are passing on Linear Regression and 2-Nitrophenol, 2-Nitroaniline, are passing on Quadratic regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

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

The soil samples results are based on a dry weight basis.
The Sample # ENV-105-SB01 has the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.
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

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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 2025
Project # N/A
Chemtech Project # Q1514
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 03/06/2025.
4 Water samples were received on 03/06/2025.

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 dfThe samples were analyzed on instrument BNA_G 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 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 ENV-101-SB01MS [2,4,6-Tribromophenol - 122%], ENV-101-SB01MSD [2,4,6-Tribromophenol - 116%], ENV-105-SB01 [2,4 and6-Tribromophenol - 114%]. these surrogate 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.

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The % RSD is greater than 20% in the Initial Calibration (8270-BF022725.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.

The % RSD is greater than 20% in the Initial Calibration (8270-BG030525.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.

The Continuous Calibration File ID BF141882.D met the requirements except for 2,4-Dinitrotoluene,Pentachlorophenol,2,4,6-Tribromophenol and Nitrobenzene-d5 .The associate samples have no positive hit for these compounds therefore, no corrective action was required.
The Tuning criteria met requirements.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1514
Test Name: TCLP Pesticide

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 03/06/2025.
4 Water samples were received on 03/06/2025.

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-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.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:

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1514
Test Name: PCB

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 03/06/2025.
4 Water samples were received on 03/06/2025.

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 #FB03062025 at the time of 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 2025
Project # N/A
Chemtech Project # Q1514
Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 03/06/2025.
4 Water samples were received on 03/06/2025.

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.
The Retention Times were acceptable for all samples.

The MS {Q1488-02MS} with File ID: PS029402.D recoveries met the requirements for all compounds except for 2,4,5-TP(Silvex)[140%] these compound did not meet the NJDKQP criteria and in-house criteria, Due to matrix interference.

The MSD {Q1488-02MSD} with File ID: PS029403.D recoveries met the acceptable requirements except for 2,4,5-TP(Silvex)[152%] these 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.

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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.

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1514
Test Name: EPH

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 03/06/2025.
4 Water samples were received on 03/06/2025.

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 were performed on instrument FID_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis were performed on instrument FID_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.The analysis of EPHs was based on method NJEPH and extraction was done based on method 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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Sample ENV-105-SB01 was diluted due to high concentration for aliphatic.
Sample ENV-105-SB01 was diluted due to high concentration for aromatic.

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 2025
Project # N/A
Chemtech Project # Q1514
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 03/06/2025.
4 Water samples were received on 03/06/2025.

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 ENV-105-SB01 was diluted due to high concentrations for Mercury & Sample ENV-105-GW01 was diluted due to high concentrations for Calcium,Iron,Mercury,Silver.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (AU-06-030625MS) analysis met criteria for all samples except for Antimony, Barium, Beryllium, Lead, Potassium, Selenium due to matrix interference.
The Matrix Spike Duplicate (AU-06-030625MSD) analysis met criteria for all samples except for Antimony, Barium, Beryllium, Lead, Selenium due to matrix interference.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution (AU-06-030625L) met criteria for all samples except for Chromium due to unknown matrix interference.

E. Additional Comments:

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

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1514
Test Name: TCLP Mercury,TCLP ICP Metals

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 03/06/2025.
4 Water samples were received on 03/06/2025.

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.

Signature_____

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1514
Test Name: Hexavalent Chromium,Corrosivity,Trivalent Chromium,Ignitability,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 03/06/2025.
4 Water samples were received on 03/06/2025.

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 ENV-103-SB01 of Corrosivity, for ENV-105-SB01 of Corrosivity,for ENV-105-SB02 of Corrosivity Due to samples were receive out of holding time.

The Blank Spike met requirements for all samples.
The Duplicate (CLAY-SLUDGE-DRUMSDUP) analysis met criteria for all samples except for Reactive Cyanide Due to 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 #: Q1514

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 03/17/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**ENV-105-SB01**								
Q1514-01	ENV-105-SB01	SOIL	Acetone		27.4		4.70	18.7	ug/Kg
			Total Voc :		27.4				
			Total Concentration:		27.4				
Client ID:	**ENV-105-SB02**								
Q1514-03	ENV-105-SB02	SOIL	Acetone		18.8	J	5.10	20.6	ug/Kg
Q1514-03	ENV-105-SB02	SOIL	Carbon Disulfide		2.20	J	1.10	4.10	ug/Kg
			Total Voc :		21.0				
			Total Concentration:		21.0				
Client ID:	**ENV-103-SB01**								
Q1514-05	ENV-103-SB01	SOIL	Bromomethane		0.87	J	0.75	3.70	ug/Kg
			Total Voc :		0.87				
			Total Concentration:		0.87				
Client ID:	**ENV-105-GW01**								
Q1514-07	ENV-105-GW01	Water	Acetone		7.20		1.40	5.00	ug/L
			Total Voc :		7.20				
			Total Concentration:		7.20				
Client ID:	**ENV-103-GW01**								
Q1514-08	ENV-103-GW01	Water	Acetone		26.1		1.40	5.00	ug/L
			Total Voc :		26.1				
Q1514-08	ENV-103-GW01	Water	Dimethyl sulfide	*	31.3	J	0	0	ug/L
			Total Tics :		31.3				
			Total Concentration:		57.4				
Client ID:	**FB03062025**								
Q1514-09	FB03062025	Water	Acetone		10.0		1.40	5.00	ug/L
			Total Voc :		10.0				
			Total Concentration:		10.0				

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.6
Sample Wt/Vol:	7.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021482.D	1		03/11/25 13:35	vy031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	3.70	ug/Kg
74-87-3	Chloromethane	0.87	U	0.87	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	3.70	ug/Kg
74-83-9	Bromomethane	0.77	U	0.77	3.70	ug/Kg
75-00-3	Chloroethane	0.76	U	0.76	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.68	U	0.68	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.58	U	0.58	3.70	ug/Kg
67-64-1	Acetone	27.4		4.70	18.7	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.50	3.70	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.63	U	0.63	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.47	U	0.47	3.70	ug/Kg
110-82-7	Cyclohexane	0.52	U	0.52	3.70	ug/Kg
78-93-3	2-Butanone	4.30	U	4.30	18.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.65	U	0.65	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.46	U	0.46	3.70	ug/Kg
74-97-5	Bromochloromethane	1.80	U	1.80	3.70	ug/Kg
67-66-3	Chloroform	0.50	U	0.50	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.58	U	0.58	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.65	U	0.65	3.70	ug/Kg
71-43-2	Benzene	0.54	U	0.54	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.46	U	0.46	3.70	ug/Kg
79-01-6	Trichloroethene	0.56	U	0.56	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.49	U	0.49	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.42	U	0.42	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	18.7	ug/Kg
108-88-3	Toluene	0.50	U	0.50	3.70	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.6
Sample Wt/Vol:	7.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021482.D	1		03/11/25 13:35	vy031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.43	U	0.43	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.63	U	0.63	3.70	ug/Kg
591-78-6	2-Hexanone	3.60	U	3.60	18.7	ug/Kg
124-48-1	Dibromochloromethane	0.49	U	0.49	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.59	U	0.59	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.67	U	0.67	3.70	ug/Kg
108-90-7	Chlorobenzene	0.55	U	0.55	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.46	U	0.46	3.70	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	7.50	ug/Kg
95-47-6	o-Xylene	0.52	U	0.52	3.70	ug/Kg
100-42-5	Styrene	0.45	U	0.45	3.70	ug/Kg
75-25-2	Bromoform	0.61	U	0.61	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.50	U	0.50	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.82	U	0.82	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.55	U	0.55	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.60	U	0.60	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.44	U	0.44	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.59	U	0.59	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.58	U	0.58	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.4		70 (63) - 130 (155)	121%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	42.8		70 (74) - 130 (123)	86%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.8		70 (38) - 130 (136)	74%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	311000	7.707			
540-36-3	1,4-Difluorobenzene	561000	8.616			
3114-55-4	Chlorobenzene-d5	429000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	160000	13.346			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.6
Sample Wt/Vol:	7.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021482.D	1		03/11/25 13:35	vy031125

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81
Sample Wt/Vol:	7.48 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
VY021481.D	1		03/11/25 13:11	vy031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.10	ug/Kg
74-87-3	Chloromethane	0.96	U	0.96	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.10	ug/Kg
74-83-9	Bromomethane	0.85	U	0.85	4.10	ug/Kg
75-00-3	Chloroethane	0.83	U	0.83	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.75	U	0.75	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.64	U	0.64	4.10	ug/Kg
67-64-1	Acetone	18.8	J	5.10	20.6	ug/Kg
75-15-0	Carbon Disulfide	2.20	J	1.10	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	4.10	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.10	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.52	U	0.52	4.10	ug/Kg
110-82-7	Cyclohexane	0.57	U	0.57	4.10	ug/Kg
78-93-3	2-Butanone	4.70	U	4.70	20.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	4.10	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.10	ug/Kg
67-66-3	Chloroform	0.55	U	0.55	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.64	U	0.64	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.72	U	0.72	4.10	ug/Kg
71-43-2	Benzene	0.59	U	0.59	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.50	U	0.50	4.10	ug/Kg
79-01-6	Trichloroethene	0.62	U	0.62	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.54	U	0.54	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.46	U	0.46	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	20.6	ug/Kg
108-88-3	Toluene	0.55	U	0.55	4.10	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81
Sample Wt/Vol:	7.48 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
VY021481.D	1		03/11/25 13:11	vy031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.69	U	0.69	4.10	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	20.6	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	0.54	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.65	U	0.65	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.73	U	0.73	4.10	ug/Kg
108-90-7	Chlorobenzene	0.61	U	0.61	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.30	ug/Kg
95-47-6	o-Xylene	0.58	U	0.58	4.10	ug/Kg
100-42-5	Styrene	0.50	U	0.50	4.10	ug/Kg
75-25-2	Bromoform	0.67	U	0.67	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.55	U	0.55	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.91	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.61	U	0.61	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.66	U	0.66	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.49	U	0.49	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.65	U	0.65	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.64	U	0.64	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.8		70 (63) - 130 (155)	120%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.6		70 (38) - 130 (136)	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	269000	7.707			
540-36-3	1,4-Difluorobenzene	488000	8.615			
3114-55-4	Chlorobenzene-d5	426000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	160000	13.346			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81
Sample Wt/Vol:	7.48 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
VY021481.D	1		03/11/25 13:11	vy031125

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
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.1
Sample Wt/Vol:	7.66 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
VY021480.D	1		03/11/25 12:48	vy031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	3.70	ug/Kg
74-87-3	Chloromethane	0.85	U	0.85	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.56	U	0.56	3.70	ug/Kg
74-83-9	Bromomethane	0.87	J	0.75	3.70	ug/Kg
75-00-3	Chloroethane	0.74	U	0.74	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.67	U	0.67	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.78	U	0.78	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.57	U	0.57	3.70	ug/Kg
67-64-1	Acetone	4.60	U	4.60	18.3	ug/Kg
75-15-0	Carbon Disulfide	0.94	U	0.94	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.49	U	0.49	3.70	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	3.70	ug/Kg
75-09-2	Methylene Chloride	2.50	U	2.50	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.62	U	0.62	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.46	U	0.46	3.70	ug/Kg
110-82-7	Cyclohexane	0.51	U	0.51	3.70	ug/Kg
78-93-3	2-Butanone	4.20	U	4.20	18.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.64	U	0.64	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.45	U	0.45	3.70	ug/Kg
74-97-5	Bromochloromethane	1.80	U	1.80	3.70	ug/Kg
67-66-3	Chloroform	0.49	U	0.49	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.57	U	0.57	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.64	U	0.64	3.70	ug/Kg
71-43-2	Benzene	0.53	U	0.53	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.45	U	0.45	3.70	ug/Kg
79-01-6	Trichloroethene	0.55	U	0.55	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.48	U	0.48	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.41	U	0.41	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	18.3	ug/Kg
108-88-3	Toluene	0.49	U	0.49	3.70	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.1
Sample Wt/Vol:	7.66 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
VY021480.D	1		03/11/25 12:48	vy031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.44	U	0.44	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.42	U	0.42	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.62	U	0.62	3.70	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	18.3	ug/Kg
124-48-1	Dibromochloromethane	0.48	U	0.48	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.58	U	0.58	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.65	U	0.65	3.70	ug/Kg
108-90-7	Chlorobenzene	0.54	U	0.54	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.45	U	0.45	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.99	U	0.99	7.30	ug/Kg
95-47-6	o-Xylene	0.51	U	0.51	3.70	ug/Kg
100-42-5	Styrene	0.44	U	0.44	3.70	ug/Kg
75-25-2	Bromoform	0.59	U	0.59	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.49	U	0.49	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.81	U	0.81	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.54	U	0.54	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.59	U	0.59	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.43	U	0.43	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.10	U	1.10	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.58	U	0.58	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.57	U	0.57	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.4		70 (63) - 130 (155)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	47.8		70 (74) - 130 (123)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.4		70 (38) - 130 (136)	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	234000	7.707			
540-36-3	1,4-Difluorobenzene	403000	8.615			
3114-55-4	Chlorobenzene-d5	340000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.346			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89.1
Sample Wt/Vol:	7.66 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
VY021480.D	1		03/11/25 12:48	vy031125

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	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
VN085919.D	1		03/10/25 17:11	VN031025

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	7.20		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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	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
VN085919.D	1		03/10/25 17:11	VN031025

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	52.9		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	45.4		70 (86) - 130 (113)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	181000	8.224			
540-36-3	1,4-Difluorobenzene	337000	9.1			
3114-55-4	Chlorobenzene-d5	290000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	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
VN085919.D	1		03/10/25 17:11	VN031025

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	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
VN085920.D	1		03/10/25 17:35	VN031025

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	26.1		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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	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
VN085920.D	1		03/10/25 17:35	VN031025

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	53.6		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	47.7		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	199000	8.224			
540-36-3	1,4-Difluorobenzene	374000	9.1			
3114-55-4	Chlorobenzene-d5	326000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.788			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	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
VN085920.D	1		03/10/25 17:35	VN031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000075-18-3	Dimethyl sulfide	31.3	J		4.52	ug/L

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	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
VN085934.D	1		03/11/25 16:16	VN031125

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	10.0		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:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	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
VN085934.D	1		03/11/25 16:16	VN031125

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	58.7		70 (74) - 130 (125)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	48.4		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	177000	8.224			
540-36-3	1,4-Difluorobenzene	336000	9.1			
3114-55-4	Chlorobenzene-d5	299000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	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
VN085934.D	1		03/11/25 16:16	VN031125

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:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	TB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-10	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
VN085922.D	1		03/10/25 18:23	VN031025

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:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	TB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-10	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
VN085922.D	1		03/10/25 18:23	VN031025

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	55.8		70 (74) - 130 (125)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	48.0		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	185000	8.224			
540-36-3	1,4-Difluorobenzene	344000	9.1			
3114-55-4	Chlorobenzene-d5	305000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	TB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-10	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
VN085922.D	1		03/10/25 18:23	VN031025

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.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1514-01	ENV-105-SB01	1,2-Dichloroethane-d4	50	60.4	121	70 (63)	130 (155)
		Dibromofluoromethane	50	51.4	103	70 (70)	130 (134)
		Toluene-d8	50	42.8	86	70 (74)	130 (123)
		4-Bromofluorobenzene	50	36.8	74	70 (38)	130 (136)
Q1514-03	ENV-105-SB02	1,2-Dichloroethane-d4	50	59.8	120	70 (63)	130 (155)
		Dibromofluoromethane	50	51.8	104	70 (70)	130 (134)
		Toluene-d8	50	48.7	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.6	85	70 (38)	130 (136)
Q1514-05	ENV-103-SB01	1,2-Dichloroethane-d4	50	56.4	113	70 (63)	130 (155)
		Dibromofluoromethane	50	50.8	101	70 (70)	130 (134)
		Toluene-d8	50	47.8	96	70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.4	81	70 (38)	130 (136)
VY0311SBL01	VY0311SBL01	1,2-Dichloroethane-d4	50	53.3	107	70 (63)	130 (155)
		Dibromofluoromethane	50	50.4	101	70 (70)	130 (134)
		Toluene-d8	50	48.5	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.5	85	70 (38)	130 (136)
VY0311SBS01	VY0311SBS01	1,2-Dichloroethane-d4	50	52.4	105	70 (63)	130 (155)
		Dibromofluoromethane	50	52.9	106	70 (70)	130 (134)
		Toluene-d8	50	52.2	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.5	105	70 (38)	130 (136)
VY0311SBSD01	VY0311SBSD01	1,2-Dichloroethane-d4	50	54.4	109	70 (63)	130 (155)
		Dibromofluoromethane	50	53.0	106	70 (70)	130 (134)
		Toluene-d8	50	52.2	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.7	105	70 (38)	130 (136)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1514-07	ENV-105-GW01	1,2-Dichloroethane-d4	50	52.9	106	70 (74)	130 (125)
		Dibromofluoromethane	50	48.0	96	70 (75)	130 (124)
		Toluene-d8	50	45.4	91	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.1	94	70 (77)	130 (121)
Q1514-08	ENV-103-GW01	1,2-Dichloroethane-d4	50	53.6	107	70 (74)	130 (125)
		Dibromofluoromethane	50	48.4	97	70 (75)	130 (124)
		Toluene-d8	50	47.7	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.9	94	70 (77)	130 (121)
Q1514-09	FB03062025	1,2-Dichloroethane-d4	50	58.7	117	70 (74)	130 (125)
		Dibromofluoromethane	50	51.2	102	70 (75)	130 (124)
		Toluene-d8	50	48.4	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.5	95	70 (77)	130 (121)
Q1514-10	TB03062025	1,2-Dichloroethane-d4	50	55.8	112	70 (74)	130 (125)
		Dibromofluoromethane	50	49.8	100	70 (75)	130 (124)
		Toluene-d8	50	48.0	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.7	95	70 (77)	130 (121)
VN0310WBL01	VN0310WBL01	1,2-Dichloroethane-d4	50	54.6	109	70 (74)	130 (125)
		Dibromofluoromethane	50	50.6	101	70 (75)	130 (124)
		Toluene-d8	50	47.0	94	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.0	90	70 (77)	130 (121)
VN0310WBS01	VN0310WBS01	1,2-Dichloroethane-d4	50	50.3	101	70 (74)	130 (125)
		Dibromofluoromethane	50	49.3	99	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.4	109	70 (77)	130 (121)
VN0310WBSD0	VN0310WBSD01	1,2-Dichloroethane-d4	50	48.9	98	70 (74)	130 (125)
		Dibromofluoromethane	50	47.2	94	70 (75)	130 (124)
		Toluene-d8	50	46.9	94	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.4	101	70 (77)	130 (121)
VN0311WBL01	VN0311WBL01	1,2-Dichloroethane-d4	50	56.1	112	70 (74)	130 (125)
		Dibromofluoromethane	50	49.0	98	70 (75)	130 (124)
		Toluene-d8	50	44.5	89	70 (86)	130 (113)
		4-Bromofluorobenzene	50	42.2	84	70 (77)	130 (121)
VN0311WBS01	VN0311WBS01	1,2-Dichloroethane-d4	50	46.9	94	70 (74)	130 (125)
		Dibromofluoromethane	50	46.9	94	70 (75)	130 (124)
		Toluene-d8	50	46.3	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.7	97	70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085917.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0310WBS01	Dichlorodifluoromethane	20	21.1	ug/L	106			40 (69)	160 (116)	
	Chloromethane	20	21.1	ug/L	106			40 (65)	160 (116)	
	Vinyl chloride	20	19.7	ug/L	99			70 (65)	130 (117)	
	Bromomethane	20	17.8	ug/L	89			40 (58)	160 (125)	
	Chloroethane	20	17.5	ug/L	88			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.9	ug/L	100			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			70 (80)	130 (112)	
	1,1-Dichloroethene	20	20.4	ug/L	102			70 (74)	130 (110)	
	Acetone	100	110	ug/L	110			40 (60)	160 (125)	
	Carbon disulfide	20	22.1	ug/L	111			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	21.4	ug/L	107			70 (78)	130 (114)	
	Methyl Acetate	20	16.9	ug/L	85			70 (67)	130 (125)	
	Methylene Chloride	20	20.5	ug/L	103			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	20.2	ug/L	101			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.9	ug/L	104			70 (78)	130 (112)	
	Cyclohexane	20	21.8	ug/L	109			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.8	ug/L	104			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.0	ug/L	100			70 (77)	130 (110)	
	Bromochloromethane	20	24.8	ug/L	124			70 (70)	130 (124)	
	Chloroform	20	20.6	ug/L	103			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.5	ug/L	103			70 (80)	130 (108)	
	Methylcyclohexane	20	21.5	ug/L	108			70 (72)	130 (115)	
	Benzene	20	20.9	ug/L	104			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.0	ug/L	105			70 (80)	130 (115)	
	Trichloroethene	20	19.8	ug/L	99			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.4	ug/L	107			70 (83)	130 (111)	
	Bromodichloromethane	20	20.4	ug/L	102			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	21.9	ug/L	110			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	21.6	ug/L	108			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	21.7	ug/L	109			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.3	ug/L	102			70 (83)	130 (112)	
	2-Hexanone	100	120	ug/L	120			40 (73)	160 (117)	
	Dibromochloromethane	20	20.8	ug/L	104			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.7	ug/L	104			70 (81)	130 (110)	
	Tetrachloroethene	20	20.9	ug/L	104			70 (67)	130 (123)	
	Chlorobenzene	20	20.1	ug/L	101			70 (82)	130 (109)	
	Ethyl Benzene	20	21.2	ug/L	106			70 (83)	130 (109)	
	m/p-Xylenes	40	44.9	ug/L	112			70 (82)	130 (110)	
	o-Xylene	20	21.6	ug/L	108			70 (83)	130 (109)	
	Styrene	20	21.3	ug/L	106			70 (80)	130 (111)	
	Bromoform	20	21.2	ug/L	106			70 (79)	130 (109)	
	Isopropylbenzene	20	20.6	ug/L	103			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.4	ug/L	97			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.5	ug/L	98			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	19.6	ug/L	98			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085917.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0310WBS01	1,2-Dibromo-3-Chloropropane	20	18.1	ug/L	91			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.3	ug/L	92			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085918.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0310WBSD01	Dichlorodifluoromethane	20	18.8	ug/L	94	12		40 (69)	160 (116)	20 (20)
	Chloromethane	20	19.1	ug/L	96	10		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	17.4	ug/L	87	13		70 (65)	130 (117)	20 (20)
	Bromomethane	20	16.7	ug/L	84	6		40 (58)	160 (125)	20 (20)
	Chloroethane	20	16.0	ug/L	80	10		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	18.0	ug/L	90	11		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.3	ug/L	92	8		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	18.4	ug/L	92	10		70 (74)	130 (110)	20 (20)
	Acetone	100	90.0	ug/L	90	20		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	19.7	ug/L	99	11		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.7	ug/L	99	8		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	16.5	ug/L	83	2		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	18.5	ug/L	93	10		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	9		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	18.6	ug/L	93	11		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	19.1	ug/L	96	13		70 (75)	130 (110)	20 (20)
	2-Butanone	100	100	ug/L	100	10		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	18.7	ug/L	94	10		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	18.1	ug/L	91	9		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	22.8	ug/L	114	8		70 (70)	130 (124)	20 (20)
	Chloroform	20	18.3	ug/L	92	11		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	18.3	ug/L	92	11		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	18.6	ug/L	93	15		70 (72)	130 (115)	20 (20)
	Benzene	20	19.3	ug/L	97	7		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	18.9	ug/L	95	10		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.3	ug/L	86	14		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	19.3	ug/L	97	10		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	18.7	ug/L	94	8		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	100	ug/L	100	10		40 (74)	160 (118)	20 (20)
	Toluene	20	19.8	ug/L	99	11		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.8	ug/L	99	9		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.7	ug/L	99	10		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	18.5	ug/L	93	9		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	100	ug/L	100	18		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	19.1	ug/L	96	8		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.4	ug/L	97	7		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	18.5	ug/L	93	11		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	18.1	ug/L	91	10		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	18.9	ug/L	95	11		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	38.8	ug/L	97	14		70 (82)	130 (110)	20 (20)
	o-Xylene	20	19.0	ug/L	95	13		70 (83)	130 (109)	20 (20)
	Styrene	20	18.5	ug/L	93	13		70 (80)	130 (111)	20 (20)
	Bromoform	20	19.0	ug/L	95	11		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	17.8	ug/L	89	15		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	18.0	ug/L	90	7		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	17.6	ug/L	88	10		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	16.9	ug/L	85	14		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	17.3	ug/L	86	13		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085918.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0310WBSD01	1,2-Dibromo-3-Chloropropane	20	17.9	ug/L	90	1		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	16.5	ug/L	83	12		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86	7		70 (76)	130 (114)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085931.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0311WBS01	Dichlorodifluoromethane	20	19.7	ug/L	99			40 (69)	160 (116)	
	Chloromethane	20	18.7	ug/L	94			40 (65)	160 (116)	
	Vinyl chloride	20	17.4	ug/L	87			70 (65)	130 (117)	
	Bromomethane	20	17.0	ug/L	85			40 (58)	160 (125)	
	Chloroethane	20	15.7	ug/L	79			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.0	ug/L	95			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.1	ug/L	96			70 (80)	130 (112)	
	1,1-Dichloroethene	20	19.0	ug/L	95			70 (74)	130 (110)	
	Acetone	100	91.4	ug/L	91			40 (60)	160 (125)	
	Carbon disulfide	20	19.7	ug/L	99			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.5	ug/L	93			70 (78)	130 (114)	
	Methyl Acetate	20	16.1	ug/L	81			70 (67)	130 (125)	
	Methylene Chloride	20	18.7	ug/L	94			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.1	ug/L	96			70 (78)	130 (112)	
	Cyclohexane	20	18.7	ug/L	94			70 (75)	130 (110)	
	2-Butanone	100	96.2	ug/L	96			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.7	ug/L	99			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.0	ug/L	90			70 (77)	130 (110)	
	Bromochloromethane	20	24.1	ug/L	121			70 (70)	130 (124)	
	Chloroform	20	19.1	ug/L	96			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.1	ug/L	96			70 (80)	130 (108)	
	Methylcyclohexane	20	17.7	ug/L	89			70 (72)	130 (115)	
	Benzene	20	19.7	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.8	ug/L	99			70 (80)	130 (115)	
	Trichloroethene	20	17.7	ug/L	89			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.6	ug/L	98			70 (83)	130 (111)	
	Bromodichloromethane	20	19.3	ug/L	97			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	20.5	ug/L	103			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.1	ug/L	96			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.3	ug/L	97			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	19.7	ug/L	99			70 (83)	130 (112)	
	2-Hexanone	100	100	ug/L	100			40 (73)	160 (117)	
	Dibromochloromethane	20	19.5	ug/L	98			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.4	ug/L	97			70 (81)	130 (110)	
	Tetrachloroethene	20	19.1	ug/L	96			70 (67)	130 (123)	
	Chlorobenzene	20	18.5	ug/L	93			70 (82)	130 (109)	
	Ethyl Benzene	20	18.8	ug/L	94			70 (83)	130 (109)	
	m/p-Xylenes	40	40.3	ug/L	101			70 (82)	130 (110)	
	o-Xylene	20	19.0	ug/L	95			70 (83)	130 (109)	
	Styrene	20	19.0	ug/L	95			70 (80)	130 (111)	
	Bromoform	20	19.5	ug/L	98			70 (79)	130 (109)	
	Isopropylbenzene	20	17.4	ug/L	87			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.7	ug/L	89			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	17.4	ug/L	87			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	16.8	ug/L	84			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	17.5	ug/L	88			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085931.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0311WBS01	1,2-Dibromo-3-Chloropropane	20	15.8	ug/L	79			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	15.3	ug/L	77			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	14.9	ug/L	75			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY021476.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0311SBS01	Dichlorodifluoromethane	20	17.6	ug/Kg	88			40 (64)	160 (136)	
	Chloromethane	20	19.6	ug/Kg	98			40 (70)	160 (130)	
	Vinyl chloride	20	19.8	ug/Kg	99			70 (72)	130 (129)	
	Bromomethane	20	19.4	ug/Kg	97			40 (58)	160 (141)	
	Chloroethane	20	21.4	ug/Kg	107			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.8	ug/Kg	104			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	17.6	ug/Kg	88			70 (81)	130 (123)	
	1,1-Dichloroethene	20	18.1	ug/Kg	91			70 (79)	130 (121)	
	Acetone	100	120	ug/Kg	120			40 (60)	160 (131)	
	Carbon disulfide	20	17.6	ug/Kg	88			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	17.2	ug/Kg	86			70 (77)	130 (129)	
	Methyl Acetate	20	18.7	ug/Kg	94			70 (69)	130 (149)	
	Methylene Chloride	20	18.1	ug/Kg	91			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	17.9	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	20	18.6	ug/Kg	93			70 (82)	130 (123)	
	Cyclohexane	20	16.7	ug/Kg	84			70 (76)	130 (122)	
	2-Butanone	100	99.2	ug/Kg	99			40 (69)	160 (131)	
	Carbon Tetrachloride	20	18.0	ug/Kg	90			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	18.2	ug/Kg	91			70 (82)	130 (123)	
	Bromochloromethane	20	19.5	ug/Kg	98			70 (80)	130 (127)	
	Chloroform	20	19.1	ug/Kg	96			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	18.5	ug/Kg	93			70 (80)	130 (126)	
	Methylcyclohexane	20	16.9	ug/Kg	85			70 (77)	130 (123)	
	Benzene	20	18.3	ug/Kg	92			70 (84)	130 (121)	
	1,2-Dichloroethane	20	17.9	ug/Kg	90			70 (81)	130 (126)	
	Trichloroethene	20	18.6	ug/Kg	93			70 (83)	130 (122)	
	1,2-Dichloropropane	20	18.2	ug/Kg	91			70 (83)	130 (122)	
	Bromodichloromethane	20	18.6	ug/Kg	93			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	87.8	ug/Kg	88			40 (70)	160 (135)	
	Toluene	20	18.2	ug/Kg	91			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	18.1	ug/Kg	91			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	18.0	ug/Kg	90			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	18.4	ug/Kg	92			70 (82)	130 (125)	
	2-Hexanone	100	97.6	ug/Kg	98			40 (66)	160 (138)	
	Dibromochloromethane	20	18.0	ug/Kg	90			70 (79)	130 (125)	
	1,2-Dibromoethane	20	17.9	ug/Kg	90			70 (80)	130 (125)	
	Tetrachloroethene	20	19.5	ug/Kg	98			70 (83)	130 (125)	
	Chlorobenzene	20	17.9	ug/Kg	90			70 (84)	130 (122)	
	Ethyl Benzene	20	17.5	ug/Kg	88			70 (82)	130 (124)	
	m/p-Xylenes	40	36.0	ug/Kg	90			70 (83)	130 (124)	
	o-Xylene	20	17.5	ug/Kg	88			70 (83)	130 (123)	
	Styrene	20	17.8	ug/Kg	89			70 (82)	130 (124)	
	Bromoform	20	17.8	ug/Kg	89			70 (75)	130 (127)	
	Isopropylbenzene	20	17.1	ug/Kg	86			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	16.6	ug/Kg	83			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	17.5	ug/Kg	88			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	17.8	ug/Kg	89			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	17.7	ug/Kg	89			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY021476.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0311SBS01	1,2-Dibromo-3-Chloropropane	20	17.2	ug/Kg	86			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.2	ug/Kg	91			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.0	ug/Kg	90			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY021477.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0311SBSD01	Dichlorodifluoromethane	20	20.4	ug/Kg	102	15		40 (64)	160 (136)	30 (20)
	Chloromethane	20	21.6	ug/Kg	108	10		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	23.2	ug/Kg	116	16		70 (72)	130 (129)	30 (20)
	Bromomethane	20	21.7	ug/Kg	109	12		40 (58)	160 (141)	30 (20)
	Chloroethane	20	23.4	ug/Kg	117	9		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	22.4	ug/Kg	112	7		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.4	ug/Kg	107	19		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	21.3	ug/Kg	106	15		70 (79)	130 (121)	30 (20)
	Acetone	100	130	ug/Kg	130	8		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	20.1	ug/Kg	101	14		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	21.4	ug/Kg	107	22		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	24.7	ug/Kg	124	28		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.2	ug/Kg	106	15		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101	12		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.0	ug/Kg	105	12		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.3	ug/Kg	97	14		70 (76)	130 (122)	30 (20)
	2-Butanone	100	120	ug/Kg	120	19		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.6	ug/Kg	103	13		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104	13		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	21.9	ug/Kg	110	12		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.6	ug/Kg	108	12		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104	11		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.6	ug/Kg	98	14		70 (77)	130 (123)	30 (20)
	Benzene	20	20.9	ug/Kg	104	12		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.8	ug/Kg	109	19		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.8	ug/Kg	104	11		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.8	ug/Kg	109	18		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.0	ug/Kg	105	12		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	22		40 (70)	160 (135)	30 (20)
	Toluene	20	21.0	ug/Kg	105	14		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	21.5	ug/Kg	108	17		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	21.1	ug/Kg	106	16		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	21.7	ug/Kg	109	17		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	120	ug/Kg	120	20		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	21.8	ug/Kg	109	19		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	21.7	ug/Kg	109	19		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	21.7	ug/Kg	109	11		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.5	ug/Kg	103	13		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	19.9	ug/Kg	100	13		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.5	ug/Kg	101	12		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.1	ug/Kg	101	14		70 (83)	130 (123)	30 (20)
	Styrene	20	20.6	ug/Kg	103	15		70 (82)	130 (124)	30 (20)
	Bromoform	20	21.3	ug/Kg	106	17		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	19.2	ug/Kg	96	11		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.0	ug/Kg	100	19		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.1	ug/Kg	101	14		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.4	ug/Kg	102	14		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.6	ug/Kg	103	15		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY021477.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0311SBSD01	1,2-Dibromo-3-Chloropropane	20	21.0	ug/Kg	105	20		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	21.0	ug/Kg	105	14		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	21.2	ug/Kg	106	16		70 (70)	130 (137)	30 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0310WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085916.D Lab Sample ID: VN0310WBL01

Date Analyzed: 03/10/2025 Time Analyzed: 13:22

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
VN0310WBS01	VN0310WBS01	VN085917.D	03/10/2025
VN0310WBSD01	VN0310WBSD01	VN085918.D	03/10/2025
ENV-105-GW01	Q1514-07	VN085919.D	03/10/2025
ENV-103-GW01	Q1514-08	VN085920.D	03/10/2025
TB03062025	Q1514-10	VN085922.D	03/10/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0311WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085930.D Lab Sample ID: VN0311WBL01

Date Analyzed: 03/11/2025 Time Analyzed: 14:21

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
VN0311WBS01	VN0311WBS01	VN085931.D	03/11/2025
FB03062025	Q1514-09	VN085934.D	03/11/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0311SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VY021475.D Lab Sample ID: VY0311SBL01

Date Analyzed: 03/11/2025 Time Analyzed: 10:12

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
VY0311SBS01	VY0311SBS01	VY021476.D	03/11/2025
VY0311SBSD01	VY0311SBSD01	VY021477.D	03/11/2025
ENV-103-SB01	Q1514-05	VY021480.D	03/11/2025
ENV-105-SB02	Q1514-03	VY021481.D	03/11/2025
ENV-105-SB01	Q1514-01	VY021482.D	03/11/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085771.D BFB Injection Date: 02/18/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:35

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	18.1
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.9 (96.5) 1
177	5.0 - 9.0% of mass 176	5.4 (6.9) 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	VN085772.D	02/18/2025	11:09
VSTDICCC050	VSTDICCC050	VN085773.D	02/18/2025	11:32
VSTDICC010	VSTDICC010	VN085775.D	02/18/2025	12:20
VSTDICC005	VSTDICC005	VN085776.D	02/18/2025	12:43
VSTDICC001	VSTDICC001	VN085777.D	02/18/2025	13:07
VSTDICC020	VSTDICC020	VN085779.D	02/18/2025	14:18

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085913.D BFB Injection Date: 03/10/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:54

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	16.3
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	76.4
175	5.0 - 9.0% of mass 174	6.7 (8.8) 1
176	95.0 - 101.0% of mass 174	76.4 (100.1) 1
177	5.0 - 9.0% of mass 176	5.6 (7.4) 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	VN085914.D	03/10/2025	12:21
VN0310WBL01	VN0310WBL01	VN085916.D	03/10/2025	13:22
VN0310WBS01	VN0310WBS01	VN085917.D	03/10/2025	16:12
VN0310WBSD01	VN0310WBSD01	VN085918.D	03/10/2025	16:47
ENV-105-GW01	Q1514-07	VN085919.D	03/10/2025	17:11
ENV-103-GW01	Q1514-08	VN085920.D	03/10/2025	17:35
TB03062025	Q1514-10	VN085922.D	03/10/2025	18:23

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085927.D BFB Injection Date: 03/11/2025

Instrument ID: MSVOA_N BFB Injection Time: 12:12

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	16.4
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	78.8
175	5.0 - 9.0% of mass 174	5.7 (7.3) 1
176	95.0 - 101.0% of mass 174	75.9 (96.3) 1
177	5.0 - 9.0% of mass 176	4.9 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN085928.D	03/11/2025	13:22
VN0311WBL01	VN0311WBL01	VN085930.D	03/11/2025	14:21
VN0311WBS01	VN0311WBS01	VN085931.D	03/11/2025	14:54
FB03062025	Q1514-09	VN085934.D	03/11/2025	16:16

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

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

Instrument ID: MSVOA_Y BFB Injection Time: 08:52

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

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC010	VSTDICC010	VY021397.D	03/04/2025	09:46
VSTDICC020	VSTDICC020	VY021398.D	03/04/2025	10:09
VSTDICCC050	VSTDICCC050	VY021399.D	03/04/2025	10:30
VSTDICC100	VSTDICC100	VY021400.D	03/04/2025	11:06
VSTDICC150	VSTDICC150	VY021401.D	03/04/2025	11:29
VSTDICC005	VSTDICC005	VY021403.D	03/04/2025	12:15

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VY021473.D BFB Injection Date: 03/11/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:00

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	53
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	84.5
175	5.0 - 9.0% of mass 174	6.4 (7.6) 1
176	95.0 - 101.0% of mass 174	80.4 (95.2) 1
177	5.0 - 9.0% of mass 176	5.4 (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	VY021474.D	03/11/2025	09:42
VY0311SBL01	VY0311SBL01	VY021475.D	03/11/2025	10:12
VY0311SBS01	VY0311SBS01	VY021476.D	03/11/2025	11:03
VY0311SBSD01	VY0311SBSD01	VY021477.D	03/11/2025	11:26
ENV-103-SB01	Q1514-05	VY021480.D	03/11/2025	12:48
ENV-105-SB02	Q1514-03	VY021481.D	03/11/2025	13:11
ENV-105-SB01	Q1514-01	VY021482.D	03/11/2025	13:35

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085914.D Date Analyzed: 03/10/2025

Instrument ID: MSVOA_N Time Analyzed: 12:21

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	199203	8.22	319135	9.10	288321	11.87
UPPER LIMIT	398406	8.724	638270	9.6	576642	12.365
LOWER LIMIT	99601.5	7.724	159568	8.6	144161	11.365
EPA SAMPLE NO.						
ENV-105-GW01	180602	8.22	336697	9.10	290159	11.87
ENV-103-GW01	199177	8.22	373736	9.10	326066	11.87
TB03062025	185446	8.22	343862	9.10	305300	11.87
VN0310WBL01	185188	8.22	337149	9.10	297684	11.87
VN0310WBS01	200845	8.22	334623	9.10	292041	11.87
VN0310WBSD01	183155	8.22	304090	9.10	267080	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.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085914.D Date Analyzed: 03/10/2025

Instrument ID: MSVOA_N Time Analyzed: 12:21

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

	IS4 AREA #	RT #				
12 HOUR STD	156195	13.788				
UPPER LIMIT	312390	14.288				
LOWER LIMIT	78097.5	13.288				
EPA SAMPLE NO.						
ENV-105-GW01	119785	13.79				
ENV-103-GW01	130206	13.79				
TB03062025	121043	13.79				
VN0310WBL01	112686	13.79				
VN0310WBS01	146257	13.79				
VN0310WBSD01	130620	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.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085928.D Date Analyzed: 03/11/2025

Instrument ID: MSVOA_N Time Analyzed: 13:22

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	193697	8.22	310218	9.10	283255	11.87
UPPER LIMIT	387394	8.724	620436	9.6	566510	12.365
LOWER LIMIT	96848.5	7.724	155109	8.6	141628	11.365
EPA SAMPLE NO.						
FB03062025	176702	8.22	336260	9.10	299219	11.87
VN0311WBL01	166099	8.22	319285	9.10	277562	11.87
VN0311WBS01	171959	8.22	282309	9.10	250243	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.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085928.D Date Analyzed: 03/11/2025

Instrument ID: MSVOA_N Time Analyzed: 13:22

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

	IS4 AREA #	RT #				
12 HOUR STD	153775	13.788				
UPPER LIMIT	307550	14.288				
LOWER LIMIT	76887.5	13.288				
EPA SAMPLE NO.						
FB03062025	119405	13.79				
VN0311WBL01	106492	13.79				
VN0311WBS01	128349	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.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VY021474.D Date Analyzed: 03/11/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:42

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	243763	7.71	363423	8.62	331214	11.42
UPPER LIMIT	487526	8.207	726846	9.116	662428	11.92
LOWER LIMIT	121882	7.207	181712	8.116	165607	10.92
EPA SAMPLE NO.						
ENV-105-SB01	310817	7.71	561377	8.62	429027	11.41
ENV-105-SB02	269495	7.71	487605	8.62	426245	11.41
ENV-103-SB01	233794	7.71	402762	8.62	340384	11.41
VY0311SBL01	266206	7.71	468026	8.62	406786	11.41
VY0311SBS01	225793	7.71	350967	8.61	312829	11.41
VY0311SBSD01	205814	7.71	320893	8.62	289092	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.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VY021474.D Date Analyzed: 03/11/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:42

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

	IS4 AREA #	RT #				
12 HOUR STD	170654	13.346				
UPPER LIMIT	341308	13.846				
LOWER LIMIT	85327	12.846				
EPA SAMPLE NO.						
ENV-105-SB01	159534	13.35				
ENV-105-SB02	159684	13.35				
ENV-103-SB01	126386	13.35				
VY0311SBL01	157191	13.35				
VY0311SBS01	162394	13.35				
VY0311SBSD01	150821	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0310WBL01	SDG No.:	Q1514
Lab Sample ID:	VN0310WBL01	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
VN085916.D	1		03/10/25 13:22	VN031025

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 2025	Date Received:	
Client Sample ID:	VN0310WBL01	SDG No.:	Q1514
Lab Sample ID:	VN0310WBL01	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
VN085916.D	1		03/10/25 13:22	VN031025

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	54.6		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	46.9		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (77) - 130 (121)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	185000	8.224			
540-36-3	1,4-Difluorobenzene	337000	9.1			
3114-55-4	Chlorobenzene-d5	298000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0310WBL01	SDG No.:	Q1514
Lab Sample ID:	VN0310WBL01	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
VN085916.D	1		03/10/25 13:22	VN031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0311WBL01	SDG No.:	Q1514
Lab Sample ID:	VN0311WBL01	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
VN085930.D	1		03/11/25 14:21	VN031125

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 2025	Date Received:	
Client Sample ID:	VN0311WBL01	SDG No.:	Q1514
Lab Sample ID:	VN0311WBL01	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
VN085930.D	1		03/11/25 14:21	VN031125

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	56.1		70 (74) - 130 (125)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	44.5		70 (86) - 130 (113)	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		70 (77) - 130 (121)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	166000	8.224			
540-36-3	1,4-Difluorobenzene	319000	9.1			
3114-55-4	Chlorobenzene-d5	278000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	106000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0311WBL01	SDG No.:	Q1514
Lab Sample ID:	VN0311WBL01	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
VN085930.D	1		03/11/25 14:21	VN031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0311SBL01	SDG No.:	Q1514
Lab Sample ID:	VY0311SBL01	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
VY021475.D	1		03/11/25 10:12	vy031125

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 2025	Date Received:	
Client Sample ID:	VY0311SBL01	SDG No.:	Q1514
Lab Sample ID:	VY0311SBL01	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
VY021475.D	1		03/11/25 10:12	vy031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.3		70 (63) - 130 (155)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.5		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.5		70 (38) - 130 (136)	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	266000	7.707			
540-36-3	1,4-Difluorobenzene	468000	8.616			
3114-55-4	Chlorobenzene-d5	407000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.346			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0311SBL01	SDG No.:	Q1514
Lab Sample ID:	VY0311SBL01	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
VY021475.D	1		03/11/25 10:12	vy031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0310WBS01	SDG No.:	Q1514
Lab Sample ID:	VN0310WBS01	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
VN085917.D	1		03/10/25 16:12	VN031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		0.21	1.00	ug/L
74-87-3	Chloromethane	21.1		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	19.7		0.34	1.00	ug/L
74-83-9	Bromomethane	17.8		1.40	5.00	ug/L
75-00-3	Chloroethane	17.5		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.9		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.4		0.26	1.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	22.1		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	16.9		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.5		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.2		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.9		0.23	1.00	ug/L
110-82-7	Cyclohexane	21.8		1.60	5.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0		0.25	1.00	ug/L
74-97-5	Bromochloromethane	24.8		0.18	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.5		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	21.5		0.19	1.00	ug/L
71-43-2	Benzene	20.9		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.8		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.4		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.4		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	21.9		0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0310WBS01	SDG No.:	Q1514
Lab Sample ID:	VN0310WBS01	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
VN085917.D	1		03/10/25 16:12	VN031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	21.6		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.7		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	120		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	20.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.9		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.1		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	21.2		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	44.9		0.31	2.00	ug/L
95-47-6	o-Xylene	21.6		0.14	1.00	ug/L
100-42-5	Styrene	21.3		0.16	1.00	ug/L
75-25-2	Bromoform	21.2		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	20.6		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.3		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.4		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.5		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		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	18.3		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		70 (77) - 130 (121)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	8.218			
540-36-3	1,4-Difluorobenzene	335000	9.1			
3114-55-4	Chlorobenzene-d5	292000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0310WBS01	SDG No.:	Q1514
Lab Sample ID:	VN0310WBS01	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
VN085917.D	1		03/10/25 16:12	VN031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0311WBS01	SDG No.:	Q1514
Lab Sample ID:	VN0311WBS01	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
VN085931.D	1		03/11/25 14:54	VN031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		0.21	1.00	ug/L
74-87-3	Chloromethane	18.7		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.4		0.34	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	5.00	ug/L
75-00-3	Chloroethane	15.7		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	19.1		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.0		0.26	1.00	ug/L
67-64-1	Acetone	91.4		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	19.7		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.5		0.16	1.00	ug/L
79-20-9	Methyl Acetate	16.1		0.60	1.00	ug/L
75-09-2	Methylene Chloride	18.7		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.7		1.60	5.00	ug/L
78-93-3	2-Butanone	96.2		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.0		0.25	1.00	ug/L
74-97-5	Bromochloromethane	24.1		0.18	1.00	ug/L
67-66-3	Chloroform	19.1		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.1		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	17.7		0.19	1.00	ug/L
71-43-2	Benzene	19.7		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L
108-88-3	Toluene	20.5		0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0311WBS01	SDG No.:	Q1514
Lab Sample ID:	VN0311WBS01	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
VN085931.D	1		03/11/25 14:54	VN031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.1		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.7		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.4		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.1		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.8		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	40.3		0.31	2.00	ug/L
95-47-6	o-Xylene	19.0		0.14	1.00	ug/L
100-42-5	Styrene	19.0		0.16	1.00	ug/L
75-25-2	Bromoform	19.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	17.4		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.7		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.4		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.8		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.5		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.8		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.3		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	14.9		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		70 (75) - 130 (124)	94%	SPK: 50
2037-26-5	Toluene-d8	46.3		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	172000	8.218			
540-36-3	1,4-Difluorobenzene	282000	9.1			
3114-55-4	Chlorobenzene-d5	250000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0311WBS01	SDG No.:	Q1514
Lab Sample ID:	VN0311WBS01	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
VN085931.D	1		03/11/25 14:54	VN031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0311SBS01	SDG No.:	Q1514
Lab Sample ID:	VY0311SBS01	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
VY021476.D	1		03/11/25 11:03	vy031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.6		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.8		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.4		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.4		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	17.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.1		0.78	5.00	ug/Kg
67-64-1	Acetone	120		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.6		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	17.2		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	18.7		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	18.1		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.9		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	18.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	16.7		0.69	5.00	ug/Kg
78-93-3	2-Butanone	99.2		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.0		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.2		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.5		2.40	5.00	ug/Kg
67-66-3	Chloroform	19.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	18.5		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	16.9		0.87	5.00	ug/Kg
71-43-2	Benzene	18.3		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	17.9		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.6		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	18.2		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	18.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	87.8		4.40	25.0	ug/Kg
108-88-3	Toluene	18.2		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0311SBS01	SDG No.:	Q1514
Lab Sample ID:	VY0311SBS01	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
VY021476.D	1		03/11/25 11:03	vy031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.1		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	18.0		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	18.4		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	97.6		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	18.0		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	17.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.5		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	17.9		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	17.5		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	36.0		1.40	10.0	ug/Kg
95-47-6	o-Xylene	17.5		0.70	5.00	ug/Kg
100-42-5	Styrene	17.8		0.60	5.00	ug/Kg
75-25-2	Bromoform	17.8		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.1		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	16.6		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.5		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	17.8		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	17.7		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.2		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.2		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.0		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.4		70 (63) - 130 (155)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 (70) - 130 (134)	106%	SPK: 50
2037-26-5	Toluene-d8	52.2		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		70 (38) - 130 (136)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	226000	7.707			
540-36-3	1,4-Difluorobenzene	351000	8.609			
3114-55-4	Chlorobenzene-d5	313000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.346			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0311SBS01	SDG No.:	Q1514
Lab Sample ID:	VY0311SBS01	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
VY021476.D	1		03/11/25 11:03	vy031125

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0310WBSD01	SDG No.:	Q1514
Lab Sample ID:	VN0310WBSD01	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
VN085918.D	1		03/10/25 16:47	VN031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.8		0.21	1.00	ug/L
74-87-3	Chloromethane	19.1		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.4		0.34	1.00	ug/L
74-83-9	Bromomethane	16.7		1.40	5.00	ug/L
75-00-3	Chloroethane	16.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.3		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.4		0.26	1.00	ug/L
67-64-1	Acetone	90.0		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	19.7		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	16.5		0.60	1.00	ug/L
75-09-2	Methylene Chloride	18.5		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	18.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.1		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.1		0.25	1.00	ug/L
74-97-5	Bromochloromethane	22.8		0.18	1.00	ug/L
67-66-3	Chloroform	18.3		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.3		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	18.6		0.19	1.00	ug/L
71-43-2	Benzene	19.3		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.9		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.3		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	18.7		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L
108-88-3	Toluene	19.8		0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0310WBSD01	SDG No.:	Q1514
Lab Sample ID:	VN0310WBSD01	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
VN085918.D	1		03/10/25 16:47	VN031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.4		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.1		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.9		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	19.0		0.14	1.00	ug/L
100-42-5	Styrene	18.5		0.16	1.00	ug/L
75-25-2	Bromoform	19.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	17.8		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.0		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.6		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.9		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.3		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.9		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.5		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.3		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		70 (75) - 130 (124)	94%	SPK: 50
2037-26-5	Toluene-d8	46.9		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	183000	8.224			
540-36-3	1,4-Difluorobenzene	304000	9.1			
3114-55-4	Chlorobenzene-d5	267000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0310WBSD01	SDG No.:	Q1514
Lab Sample ID:	VN0310WBSD01	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
VN085918.D	1		03/10/25 16:47	VN031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0311SBSD01	SDG No.:	Q1514
Lab Sample ID:	VY0311SBSD01	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
VY021477.D	1		03/11/25 11:26	vy031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.4		1.70	5.00	ug/Kg
74-87-3	Chloromethane	21.6		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	23.2		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.7		1.00	5.00	ug/Kg
75-00-3	Chloroethane	23.4		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.4		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.3		0.78	5.00	ug/Kg
67-64-1	Acetone	130		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.1		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	24.7		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.2		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.0		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	19.3		0.69	5.00	ug/Kg
78-93-3	2-Butanone	120		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.6		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	21.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.6		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.87	5.00	ug/Kg
71-43-2	Benzene	20.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.8		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.8		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.8		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.0		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	21.0		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0311SBSD01	SDG No.:	Q1514
Lab Sample ID:	VY0311SBSD01	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
VY021477.D	1		03/11/25 11:26	vy031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.5		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.1		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.7		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	120		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.8		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.7		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.7		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.5		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.9		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.5		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.1		0.70	5.00	ug/Kg
100-42-5	Styrene	20.6		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.3		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.0		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.1		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.4		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	21.0		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.0		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.2		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.4		70 (63) - 130 (155)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		70 (70) - 130 (134)	106%	SPK: 50
2037-26-5	Toluene-d8	52.2		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		70 (38) - 130 (136)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	206000	7.707			
540-36-3	1,4-Difluorobenzene	321000	8.615			
3114-55-4	Chlorobenzene-d5	289000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.346			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0311SBSD01	SDG No.:	Q1514
Lab Sample ID:	VY0311SBSD01	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
VY021477.D	1		03/11/25 11:26	vy031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: MSVOA_N Calibration Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:09 14:18

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

LAB FILE ID: RRF100 = VN085772.D RRF050 = VN085773.D RRF010 = VN085775.D
RRF005 = VN085776.D RRF001 = VN085777.D RRF020 = VN085779.D

COMPOUND	RRF100	RRF050	RRF010	RRF005	RRF001	RRF020	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.694	0.669	0.779	0.650	0.660	0.628	0.680	7.8
Chloromethane	0.647	0.622	0.742	0.662	0.817	0.604	0.682	11.9
Vinyl Chloride	0.698	0.678	0.796	0.729	0.761	0.674	0.723	6.7
Bromomethane	0.434	0.424	0.543	0.496		0.413	0.462	12.1
Chloroethane	0.447	0.417	0.516	0.470	0.584	0.438	0.479	12.9
Trichlorofluoromethane	1.010	0.959	1.134	1.065	1.103	1.006	1.046	6.3
1,1,2-Trichlorotrifluoroethane	0.602	0.564	0.674	0.635	0.554	0.599	0.605	7.4
1,1-Dichloroethene	0.555	0.527	0.591	0.571	0.514	0.531	0.548	5.3
Acetone	0.195	0.184	0.217	0.208	0.227	0.198	0.205	7.7
Carbon Disulfide	1.565	1.473	1.804	1.604	1.848	1.455	1.625	10.2
Methyl tert-butyl Ether	1.747	1.658	1.714	1.560	1.438	1.659	1.629	7
Methyl Acetate	0.653	0.619	0.794	0.690	0.853	0.625	0.705	13.7
Methylene Chloride	0.628	0.593	0.710	0.666	0.736	0.625	0.660	8.3
trans-1,2-Dichloroethene	0.585	0.549	0.621	0.599	0.623	0.566	0.590	5.1
1,1-Dichloroethane	1.097	1.035	1.216	1.125	1.073	1.089	1.106	5.6
Cyclohexane	0.878	0.860	0.977	1.056		0.858	0.926	9.5
2-Butanone	0.308	0.294	0.331	0.299	0.279	0.299	0.302	5.6
Carbon Tetrachloride	0.573	0.528	0.583	0.545	0.533	0.538	0.550	4.1
cis-1,2-Dichloroethene	0.705	0.661	0.740	0.685	0.646	0.671	0.685	4.9
Bromochloromethane	0.481	0.444	0.346	0.570	0.483	0.402	0.454	17
Chloroform	1.120	1.070	1.269	1.164	1.171	1.141	1.156	5.7
1,1,1-Trichloroethane	1.012	0.967	1.089	1.058	1.030	1.012	1.028	4.1
Methylcyclohexane	0.560	0.492	0.446	0.405	0.373	0.453	0.455	14.5
Benzene	1.581	1.441	1.568	1.421	1.420	1.474	1.484	4.9
1,2-Dichloroethane	0.499	0.456	0.527	0.464	0.472	0.483	0.483	5.4
Trichloroethene	0.370	0.339	0.384	0.350	0.395	0.348	0.364	6.1
1,2-Dichloropropane	0.377	0.347	0.385	0.344	0.339	0.357	0.358	5.2
Bromodichloromethane	0.569	0.518	0.571	0.533	0.512	0.541	0.541	4.6
4-Methyl-2-Pentanone	0.414	0.379	0.392	0.342	0.290	0.388	0.367	12.1
Toluene	0.993	0.902	0.924	0.820	0.689	0.891	0.870	12

* 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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: MSVOA_N Calibration Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:09 14:18

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

LAB FILE ID: RRF100 = VN085772.D RRF050 = VN085773.D RRF010 = VN085775.D
RRF005 = VN085776.D RRF001 = VN085777.D RRF020 = VN085779.D

COMPOUND	RRF100	RRF050	RRF010	RRF005	RRF001	RRF020	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.576	0.521	0.518	0.471	0.408	0.505	0.500	11.3
cis-1,3-Dichloropropene	0.626	0.566	0.582	0.513	0.442	0.559	0.548	11.6
1,1,2-Trichloroethane	0.361	0.331	0.370	0.346	0.324	0.344	0.346	5
2-Hexanone	0.296	0.273	0.266	0.227	0.184	0.270	0.253	16
Dibromochloromethane	0.440	0.402	0.431	0.384	0.355	0.405	0.403	7.7
1,2-Dibromoethane	0.354	0.322	0.362	0.320	0.273	0.330	0.327	9.7
Tetrachloroethene	0.384	0.361	0.420	0.391	0.393	0.375	0.387	5.2
Chlorobenzene	1.183	1.110	1.212	1.139	1.109	1.119	1.145	3.8
Ethyl Benzene	2.105	1.904	1.830	1.665	1.424	1.838	1.794	12.8
m/p-Xylenes	0.809	0.741	0.725	0.610	0.481	0.722	0.682	17.2
o-Xylene	0.771	0.704	0.666	0.584	0.502	0.659	0.648	14.5
Styrene	1.327	1.203	1.060	0.885	0.744	1.133	1.059	20.2
Bromoform	0.327	0.303	0.322	0.301	0.274	0.309	0.306	6.2
Isopropylbenzene	3.851	3.596	3.623	3.067	2.933	3.484	3.425	10.3
1,1,2,2-Tetrachloroethane	1.073	1.053	1.304	1.218	1.271	1.154	1.179	8.8
1,3-Dichlorobenzene	1.772	1.635	1.876	1.697	1.748	1.675	1.734	4.9
1,4-Dichlorobenzene	1.750	1.647	1.884	1.777	1.921	1.684	1.777	6.1
1,2-Dichlorobenzene	1.660	1.574	1.768	1.642	1.744	1.617	1.667	4.5
1,2-Dibromo-3-Chloropropane	0.198	0.193	0.238	0.222	0.256	0.191	0.216	12.4
1,2,4-Trichlorobenzene	0.877	0.802	0.827	0.728	0.829	0.704	0.794	8.3
1,2,3-Trichlorobenzene	0.825	0.789	0.844	0.736	0.917	0.675	0.798	10.6
1,2-Dichloroethane-d4	0.698	0.613	0.588	0.767		0.575	0.648	12.6
Dibromofluoromethane	0.375	0.317	0.294	0.357		0.293	0.327	11.5
Toluene-d8	1.444	1.199	1.017	1.212		1.080	1.190	13.8
4-Bromofluorobenzene	0.503	0.419	0.323	0.370		0.346	0.392	18.2

* 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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

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

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

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

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

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

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

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

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

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

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

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

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: MSVOA_N Calibration Date/Time: 03/10/2025 12:21

Lab File ID: VN085914.D Init. Calib. Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.680	0.774		13.82	20
Chloromethane	0.682	0.791	0.1	15.98	20
Vinyl Chloride	0.723	0.788		8.99	20
Bromomethane	0.462	0.430		-6.93	20
Chloroethane	0.479	0.437		-8.77	20
Trichlorofluoromethane	1.046	1.082		3.44	20
1,1,2-Trichlorotrifluoroethane	0.605	0.627		3.64	20
1,1-Dichloroethene	0.548	0.584		6.57	20
Acetone	0.205	0.243		18.54	20
Carbon Disulfide	1.625	1.855		14.15	20
Methyl tert-butyl Ether	1.629	1.871		14.86	20
Methyl Acetate	0.705	0.645		-8.51	20
Methylene Chloride	0.660	0.679		2.88	20
trans-1,2-Dichloroethene	0.590	0.628		6.44	20
1,1-Dichloroethane	1.106	1.175	0.1	6.24	20
Cyclohexane	0.926	1.029		11.12	20
2-Butanone	0.302	0.375		24.17	20
Carbon Tetrachloride	0.550	0.609		10.73	20
cis-1,2-Dichloroethene	0.685	0.723		5.55	20
Bromochloromethane	0.454	0.540		18.94	20
Chloroform	1.156	1.197		3.55	20
1,1,1-Trichloroethane	1.028	1.086		5.64	20
Methylcyclohexane	0.455	0.559		22.86	20
Benzene	1.484	1.679		13.14	20
1,2-Dichloroethane	0.483	0.546		13.04	20
Trichloroethene	0.364	0.384		5.49	20
1,2-Dichloropropane	0.358	0.417		16.48	20
Bromodichloromethane	0.541	0.598		10.54	20
4-Methyl-2-Pentanone	0.367	0.490		33.51	20
Toluene	0.870	1.062		22.07	20
t-1,3-Dichloropropene	0.500	0.606		21.2	20
cis-1,3-Dichloropropene	0.548	0.656		19.71	20
1,1,2-Trichloroethane	0.346	0.382		10.4	20
2-Hexanone	0.253	0.363		43.48	20
Dibromochloromethane	0.403	0.469		16.38	20
1,2-Dibromoethane	0.327	0.386		18.04	20
Tetrachloroethene	0.387	0.411		6.2	20
Chlorobenzene	1.145	1.237	0.3	8.03	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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: MSVOA_N Calibration Date/Time: 03/10/2025 12:21

Lab File ID: VN085914.D Init. Calib. Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.794	2.144		19.51	20
m/p-Xylenes	0.682	0.863		26.54	20
o-Xylene	0.648	0.796		22.84	20
Styrene	1.059	1.380		30.31	20
Bromoform	0.306	0.356	0.1	16.34	20
Isopropylbenzene	3.425	3.710		8.32	20
1,1,2,2-Tetrachloroethane	1.179	1.159	0.3	-1.7	20
1,3-Dichlorobenzene	1.734	1.779		2.6	20
1,4-Dichlorobenzene	1.777	1.765		-0.68	20
1,2-Dichlorobenzene	1.667	1.692		1.5	20
1,2-Dibromo-3-Chloropropane	0.216	0.223		3.24	20
1,2,4-Trichlorobenzene	0.794	0.834		5.04	20
1,2,3-Trichlorobenzene	0.798	0.815		2.13	20
1,2-Dichloroethane-d4	0.648	0.628		-3.09	20
Dibromofluoromethane	0.327	0.328		0.31	20
Toluene-d8	1.190	1.216		2.18	20
4-Bromofluorobenzene	0.392	0.455		16.07	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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: MSVOA_N Calibration Date/Time: 03/11/2025 13:22

Lab File ID: VN085928.D Init. Calib. Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.680	0.770		13.23	20
Chloromethane	0.682	0.739	0.1	8.36	20
Vinyl Chloride	0.723	0.746		3.18	20
Bromomethane	0.462	0.424		-8.23	20
Chloroethane	0.479	0.422		-11.9	20
Trichlorofluoromethane	1.046	1.090		4.21	20
1,1,2-Trichlorotrifluoroethane	0.605	0.640		5.78	20
1,1-Dichloroethene	0.548	0.594		8.39	20
Acetone	0.205	0.227		10.73	20
Carbon Disulfide	1.625	1.805		11.08	20
Methyl tert-butyl Ether	1.629	1.855		13.87	20
Methyl Acetate	0.705	0.620		-12.06	20
Methylene Chloride	0.660	0.672		1.82	20
trans-1,2-Dichloroethene	0.590	0.643		8.98	20
1,1-Dichloroethane	1.106	1.180	0.1	6.69	20
Cyclohexane	0.926	1.033		11.56	20
2-Butanone	0.302	0.338		11.92	20
Carbon Tetrachloride	0.550	0.625		13.64	20
cis-1,2-Dichloroethene	0.685	0.715		4.38	20
Bromochloromethane	0.454	0.587		29.3	20
Chloroform	1.156	1.221		5.62	20
1,1,1-Trichloroethane	1.028	1.094		6.42	20
Methylcyclohexane	0.455	0.563		23.74	20
Benzene	1.484	1.669		12.47	20
1,2-Dichloroethane	0.483	0.541		12.01	20
Trichloroethene	0.364	0.369		1.37	20
1,2-Dichloropropane	0.358	0.406		13.41	20
Bromodichloromethane	0.541	0.594		9.8	20
4-Methyl-2-Pentanone	0.367	0.449		22.34	20
Toluene	0.870	1.065		22.41	20
t-1,3-Dichloropropene	0.500	0.605		21	20
cis-1,3-Dichloropropene	0.548	0.648		18.25	20
1,1,2-Trichloroethane	0.346	0.378		9.25	20
2-Hexanone	0.253	0.329		30.04	20
Dibromochloromethane	0.403	0.469		16.38	20
1,2-Dibromoethane	0.327	0.379		15.9	20
Tetrachloroethene	0.387	0.405		4.65	20
Chlorobenzene	1.145	1.212	0.3	5.85	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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: MSVOA_N Calibration Date/Time: 03/11/2025 13:22

Lab File ID: VN085928.D Init. Calib. Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.794	2.160		20.4	20
m/p-Xylenes	0.682	0.856		25.51	20
o-Xylene	0.648	0.785		21.14	20
Styrene	1.059	1.373		29.65	20
Bromoform	0.306	0.350	0.1	14.38	20
Isopropylbenzene	3.425	3.638		6.19	20
1,1,2,2-Tetrachloroethane	1.179	1.097	0.3	-6.95	20
1,3-Dichlorobenzene	1.734	1.744		0.58	20
1,4-Dichlorobenzene	1.777	1.740		-2.08	20
1,2-Dichlorobenzene	1.667	1.670		0.18	20
1,2-Dibromo-3-Chloropropane	0.216	0.204		-5.56	20
1,2,4-Trichlorobenzene	0.794	0.815		2.64	20
1,2,3-Trichlorobenzene	0.798	0.788		-1.25	20
1,2-Dichloroethane-d4	0.648	0.719		10.96	20
Dibromofluoromethane	0.327	0.367		12.23	20
Toluene-d8	1.190	1.369		15.04	20
4-Bromofluorobenzene	0.392	0.506		29.08	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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: MSVOA_Y Calibration Date/Time: 03/11/2025 09:42

Lab File ID: VY021474.D Init. Calib. Date(s): 03/04/2025 03/04/2025

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

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.459	0.404		-11.98	20
Chloromethane	0.647	0.619	0.1	-4.33	20
Vinyl Chloride	0.707	0.717		1.41	20
Bromomethane	0.511	0.467		-8.61	20
Chloroethane	0.467	0.485		3.85	20
Trichlorofluoromethane	0.987	0.986		-0.1	20
1,1,2-Trichlorotrifluoroethane	0.563	0.527		-6.39	20
1,1-Dichloroethene	0.514	0.478		-7	20
Acetone	0.115	0.100		-13.04	20
Carbon Disulfide	1.610	1.485		-7.76	20
Methyl tert-butyl Ether	1.302	1.276		-2	20
Methyl Acetate	0.256	0.288		12.5	20
Methylene Chloride	0.605	0.529		-12.56	20
trans-1,2-Dichloroethene	0.575	0.544		-5.39	20
1,1-Dichloroethane	1.056	0.992	0.1	-6.06	20
Cyclohexane	0.990	0.875		-11.62	20
2-Butanone	0.159	0.150		-5.66	20
Carbon Tetrachloride	0.592	0.586		-1.01	20
cis-1,2-Dichloroethene	0.653	0.626		-4.14	20
Bromochloromethane	0.443	0.423		-4.51	20
Chloroform	1.096	1.037		-5.38	20
1,1,1-Trichloroethane	1.004	0.951		-5.28	20
Methylcyclohexane	0.631	0.621		-1.59	20
Benzene	1.515	1.491		-1.58	20
1,2-Dichloroethane	0.424	0.423		-0.24	20
Trichloroethene	0.383	0.375		-2.09	20
1,2-Dichloropropane	0.361	0.356		-1.38	20
Bromodichloromethane	0.533	0.534		0.19	20
4-Methyl-2-Pentanone	0.228	0.243		6.58	20
Toluene	0.955	0.954		-0.1	20
t-1,3-Dichloropropene	0.470	0.485		3.19	20
cis-1,3-Dichloropropene	0.557	0.562		0.9	20
1,1,2-Trichloroethane	0.263	0.268		1.9	20
2-Hexanone	0.151	0.166		9.93	20
Dibromochloromethane	0.360	0.368		2.22	20
1,2-Dibromoethane	0.248	0.253		2.02	20
Tetrachloroethene	0.407	0.400		-1.72	20
Chlorobenzene	1.181	1.133	0.3	-4.06	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: MSVOA_Y Calibration Date/Time: 03/11/2025 09:42

Lab File ID: VY021474.D Init. Calib. Date(s): 03/04/2025 03/04/2025

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

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.072	2.033		-1.88	20
m/p-Xylenes	0.787	0.775		-1.52	20
o-Xylene	0.725	0.727		0.28	20
Styrene	1.203	1.227		2	20
Bromoform	0.233	0.241	0.1	3.43	20
Isopropylbenzene	3.939	3.795		-3.66	20
1,1,2,2-Tetrachloroethane	0.695	0.661	0.3	-4.89	20
1,3-Dichlorobenzene	1.834	1.747		-4.74	20
1,4-Dichlorobenzene	1.794	1.723		-3.96	20
1,2-Dichlorobenzene	1.572	1.535		-2.35	20
1,2-Dibromo-3-Chloropropane	0.104	0.105		0.96	20
1,2,4-Trichlorobenzene	0.859	0.916		6.64	20
1,2,3-Trichlorobenzene	0.722	0.771		6.79	20
1,2-Dichloroethane-d4	0.528	0.407		-22.92	20
Dibromofluoromethane	0.329	0.262		-20.36	20
Toluene-d8	1.244	0.971		-21.94	20
4-Bromofluorobenzene	0.423	0.342		-19.15	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021482.D
Acq On : 11 Mar 2025 13:35
Operator : SY/MD
Sample : Q1514-01
Misc : 7.28g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

Quant Time: Mar 12 01:24:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

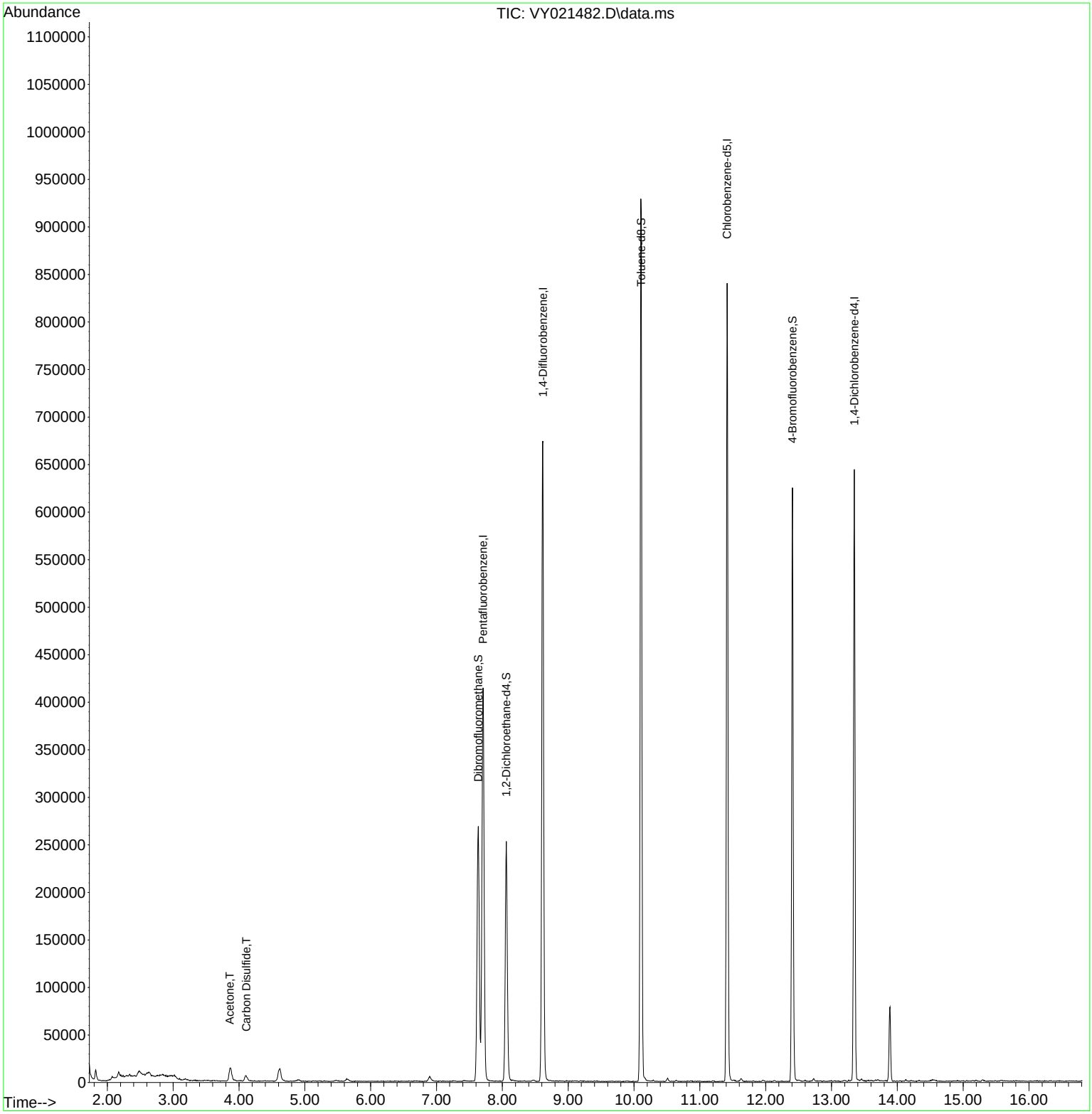
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	310817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	561377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	429027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	159534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	198337	60.374	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.740%			
35) Dibromofluoromethane	7.634	113	189469	51.346	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.700%			
50) Toluene-d8	10.109	98	597514	42.766	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 85.540%			
62) 4-Bromofluorobenzene	12.408	95	174764	36.773	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 73.540%			
Target Compounds						Qvalue
16) Acetone	3.860	43	26145	36.489	ug/l	99
17) Carbon Disulfide	4.110	76	10693	1.069	ug/l #	94

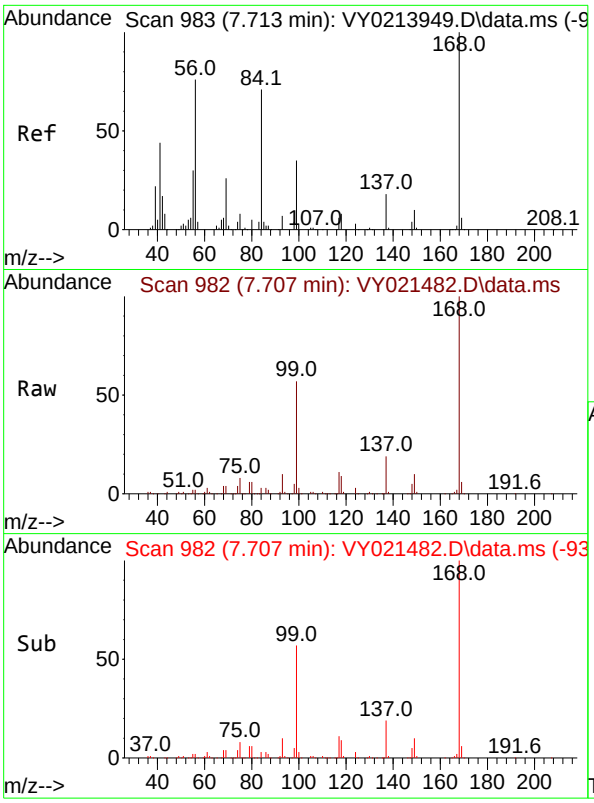
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021482.D
Acq On : 11 Mar 2025 13:35
Operator : SY/MD
Sample : Q1514-01
Misc : 7.28g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

Quant Time: Mar 12 01:24:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



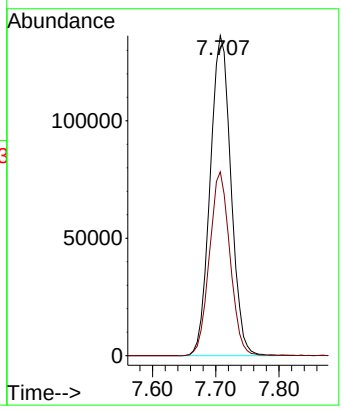


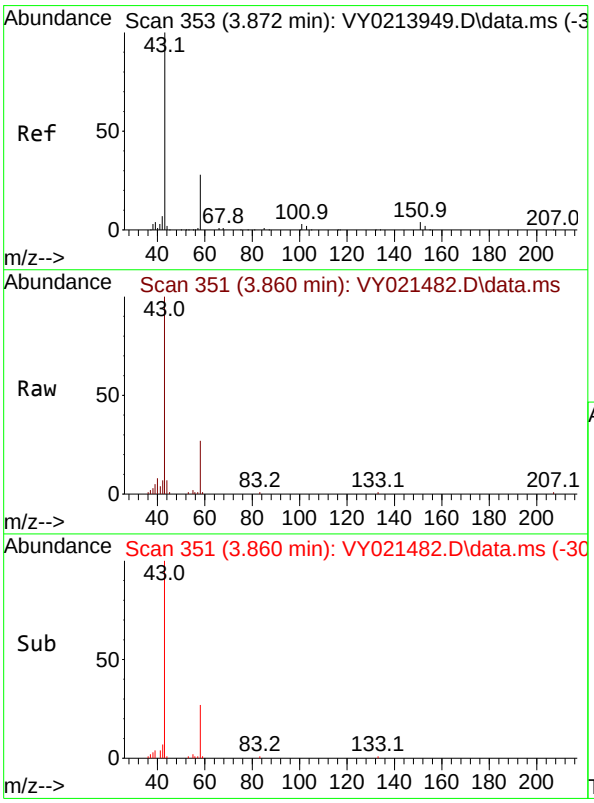
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

Tgt Ion:168 Resp: 310817

Ion	Ratio	Lower	Upper
168	100		
99	57.5	46.0	69.0

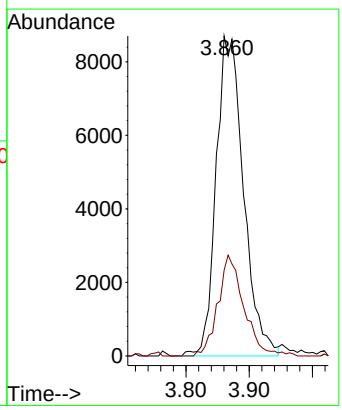


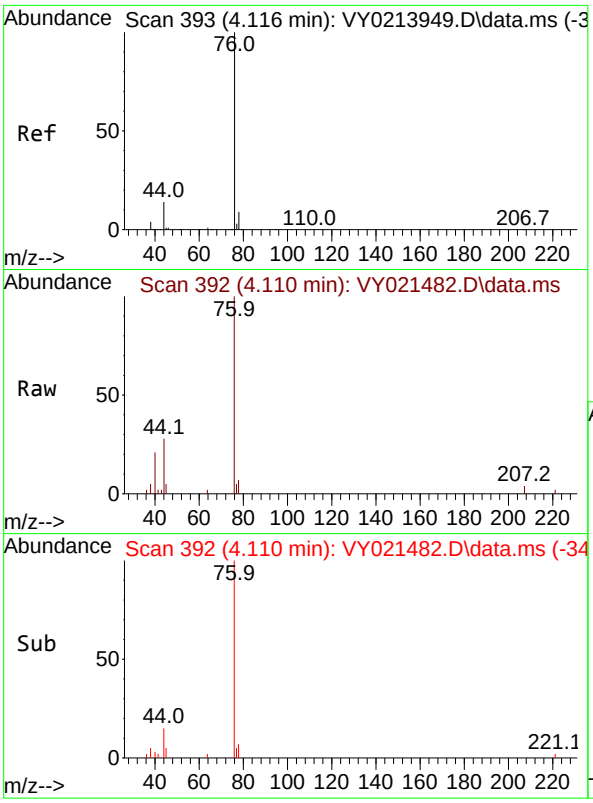


#16
Acetone
Concen: 36.489 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Tgt Ion: 43 Resp: 26145

Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.1	33.1



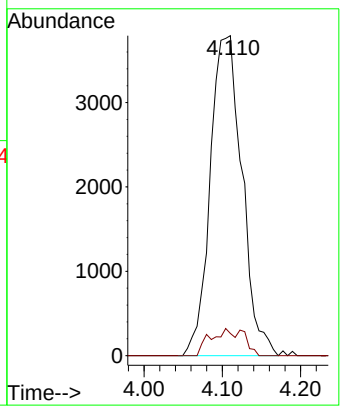


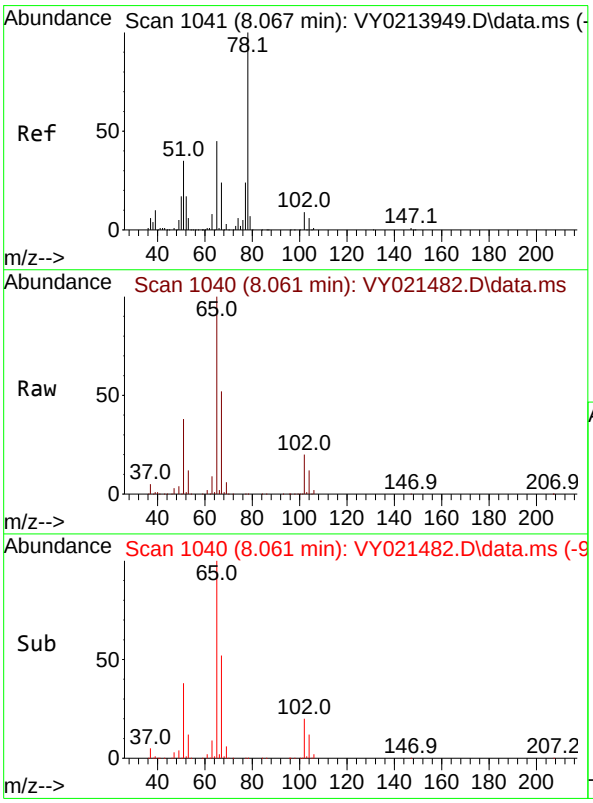
#17
Carbon Disulfide
Concen: 1.069 ug/l
RT: 4.110 min Scan# 3
Delta R.T. -0.006 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

Tgt Ion: 76 Resp: 10693

Ion	Ratio	Lower	Upper
76	100		
78	7.0	7.4	11.0#

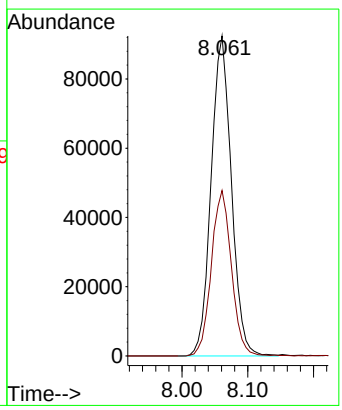


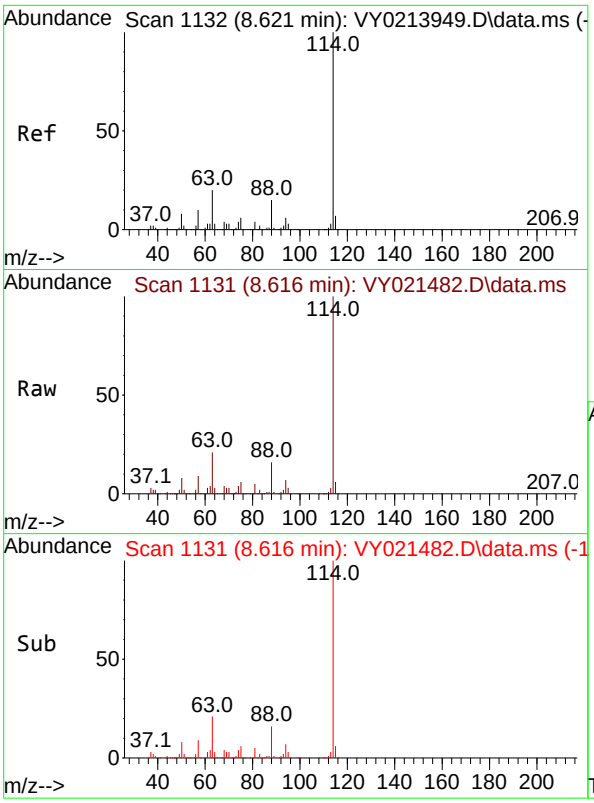


#33
1,2-Dichloroethane-d4
Concen: 60.374 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Tgt Ion: 65 Resp: 198337

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.8



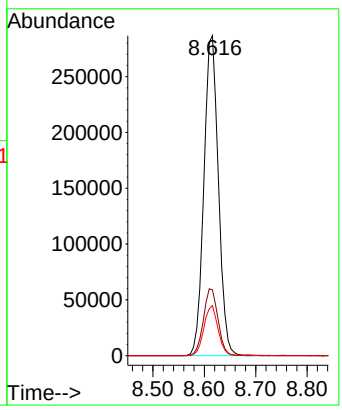


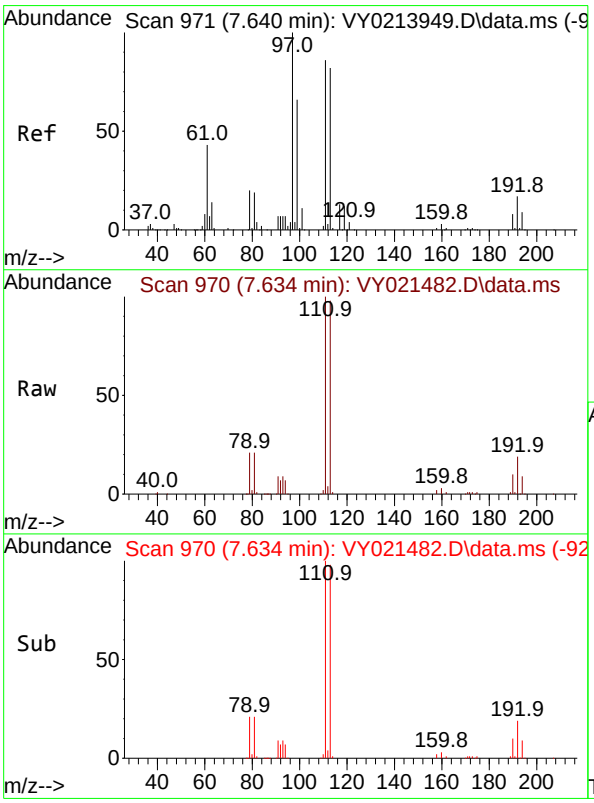
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

Tgt Ion:114 Resp: 561377

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	15.6	0.0	30.8

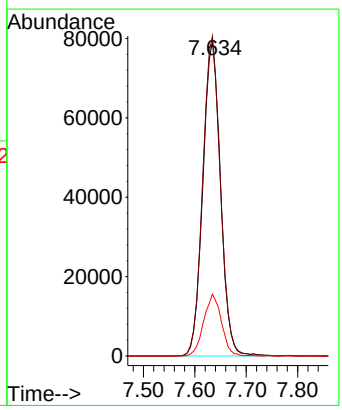


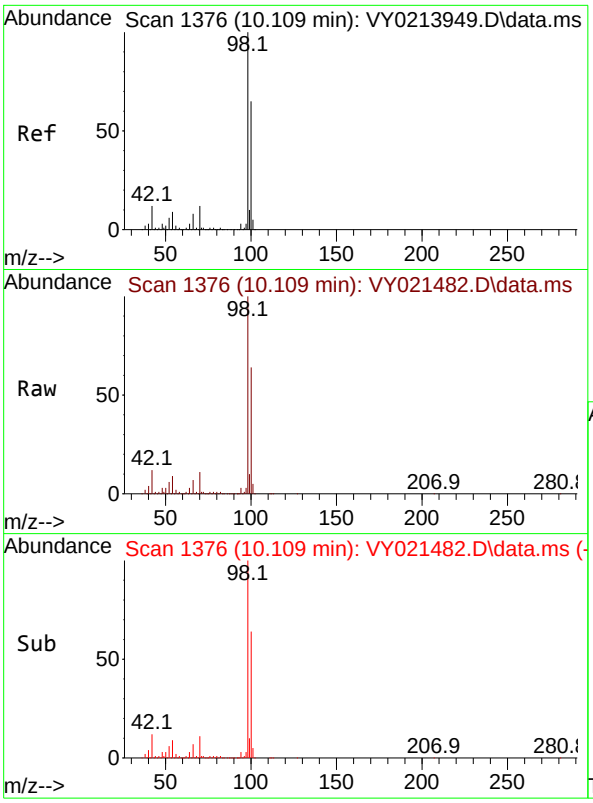


#35
Dibromofluoromethane
Concen: 51.346 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Tgt Ion:113 Resp: 189469

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.0	123.0
192	19.7	15.9	23.9



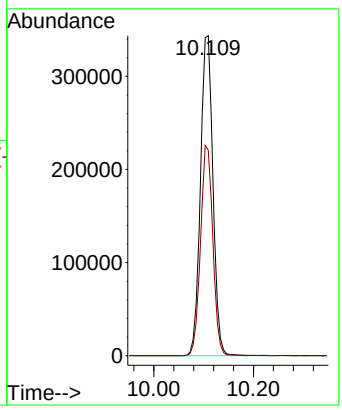


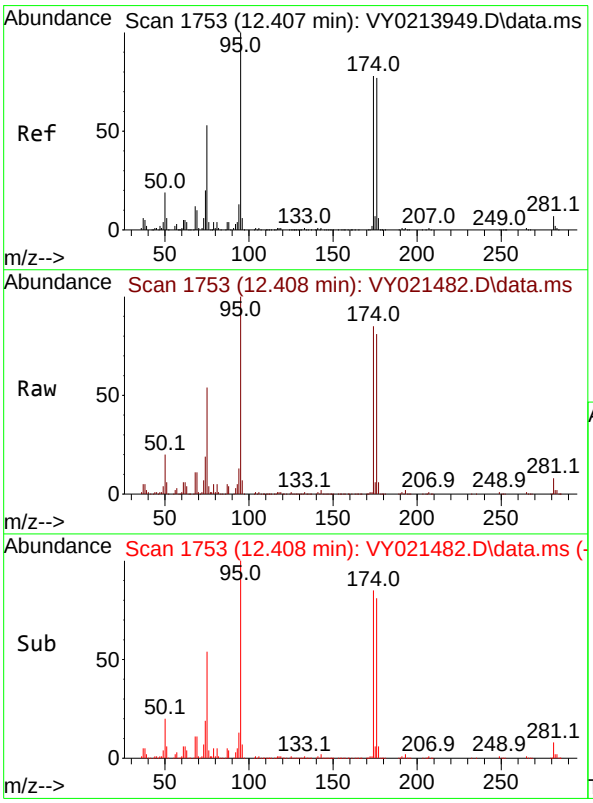
#50
Toluene-d8
Concen: 42.766 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

Tgt Ion: 98 Resp: 597514

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1

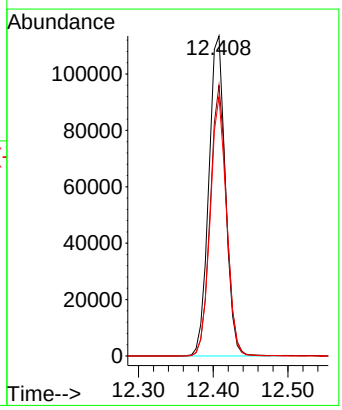


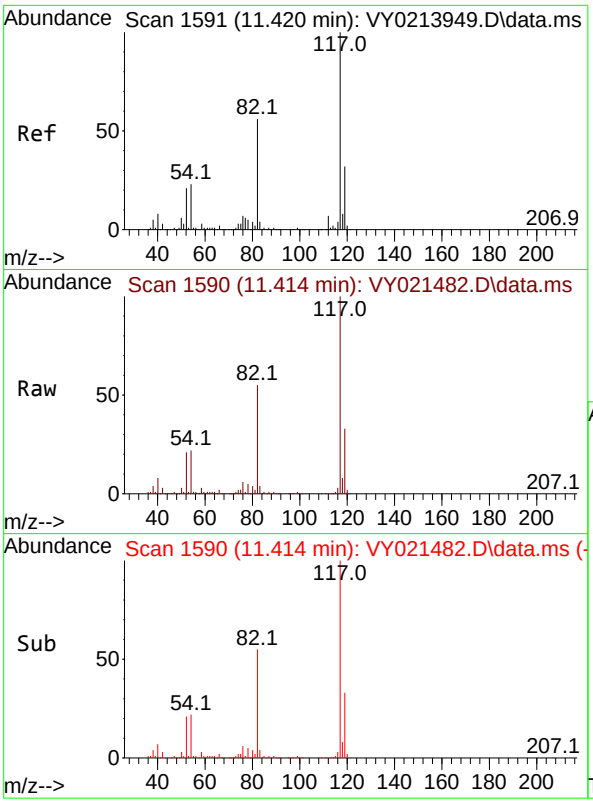


#62
4-Bromofluorobenzene
Concen: 36.773 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Tgt Ion: 95 Resp: 174764

Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	165.0
176	79.7	0.0	160.0



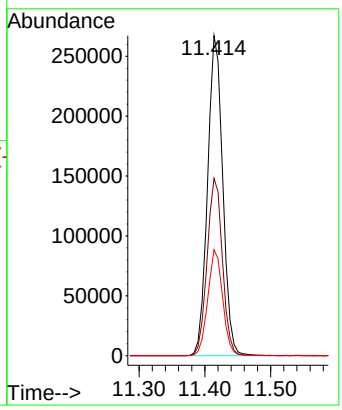


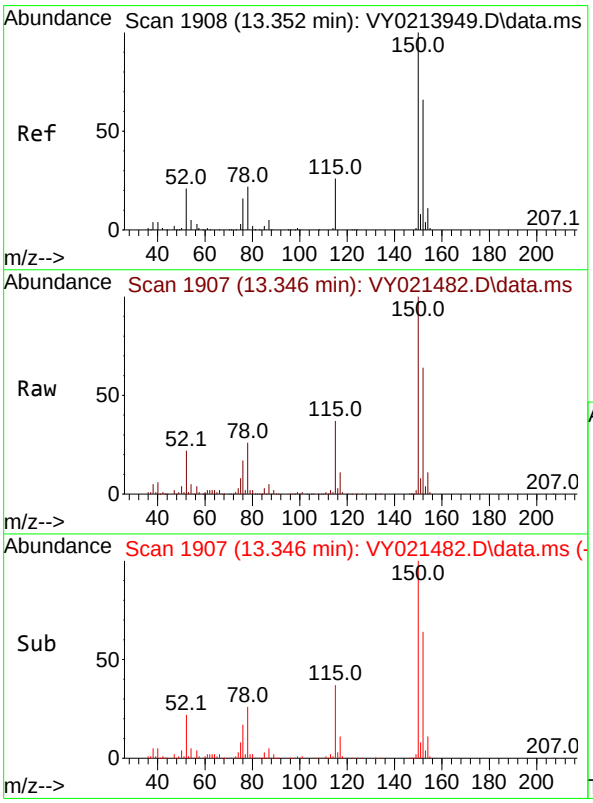
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

Tgt Ion:117 Resp: 429027

Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.6	67.0
119	33.1	25.4	38.0

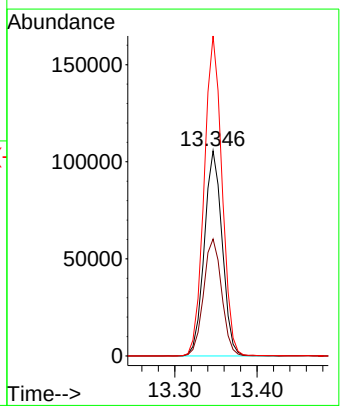




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021482.D
Acq: 11 Mar 2025 13:35

Tgt Ion:152 Resp: 159534

Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.0	87.0
150	155.7	0.0	347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021482.D
Acq On : 11 Mar 2025 13:35
Operator : SY/MD
Sample : Q1514-01
Misc : 7.28g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

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

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

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

Signal : TIC: VY021482.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	12	17	25	rVB2	10971	19006	1.18%	0.219%
2	2.483	118	125	134	rBV6	5583	19166	1.19%	0.221%
3	3.873	343	353	361	rBV2	13710	40049	2.48%	0.461%
4	4.104	382	391	400	rBV2	5784	17184	1.07%	0.198%
5	4.622	463	476	485	rBV2	13274	42719	2.65%	0.492%
6	7.634	960	970	976	rBV	267949	642637	39.87%	7.396%
7	7.707	976	982	997	rVB	413486	935725	58.05%	10.769%
8	8.061	1030	1040	1054	rBV	252439	547244	33.95%	6.298%
9	8.616	1121	1131	1147	rBV	673528	1339882	83.12%	15.421%
10	10.103	1367	1375	1391	rBV	928403	1611926	100.00%	18.552%
11	11.414	1583	1590	1603	rBV	839256	1353653	83.98%	15.579%
12	12.408	1746	1753	1764	rBV2	624639	1005959	62.41%	11.578%
13	13.346	1900	1907	1914	rBV	642668	982215	60.93%	11.304%
14	13.889	1989	1996	2004	rVB	78255	131414	8.15%	1.512%

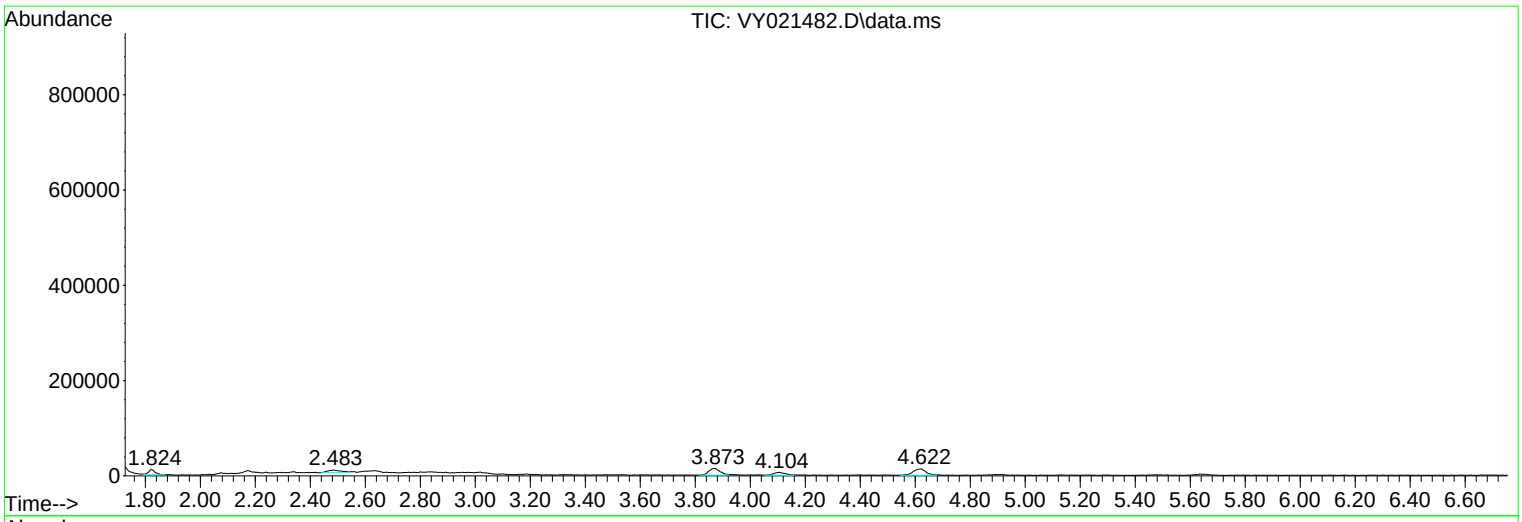
Sum of corrected areas: 8688779

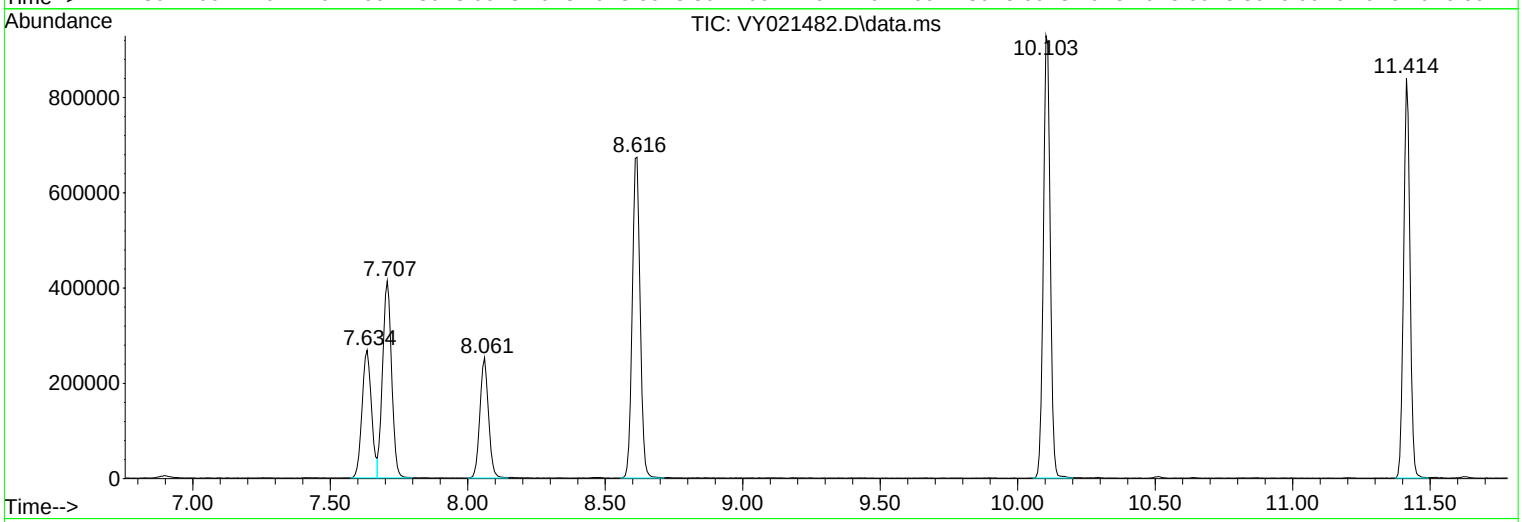
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021482.D
Acq On : 11 Mar 2025 13:35
Operator : SY/MD
Sample : Q1514-01
Misc : 7.28g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

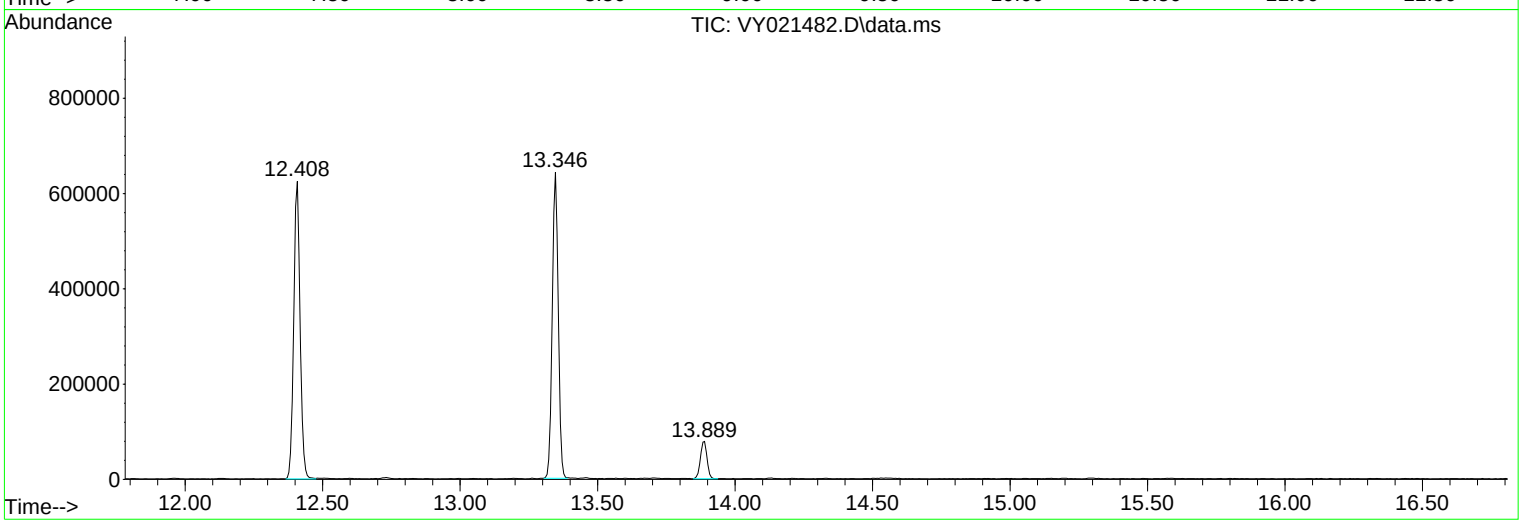
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

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

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021482.D
Acq On : 11 Mar 2025 13:35
Operator : SY/MD
Sample : Q1514-01
Misc : 7.28g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021482.D
Acq On : 11 Mar 2025 13:35
Operator : SY/MD
Sample : Q1514-01
Misc : 7.28g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB01

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021481.D
Acq On : 11 Mar 2025 13:11
Operator : SY/MD
Sample : Q1514-03
Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

Quant Time: Mar 12 01:24:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

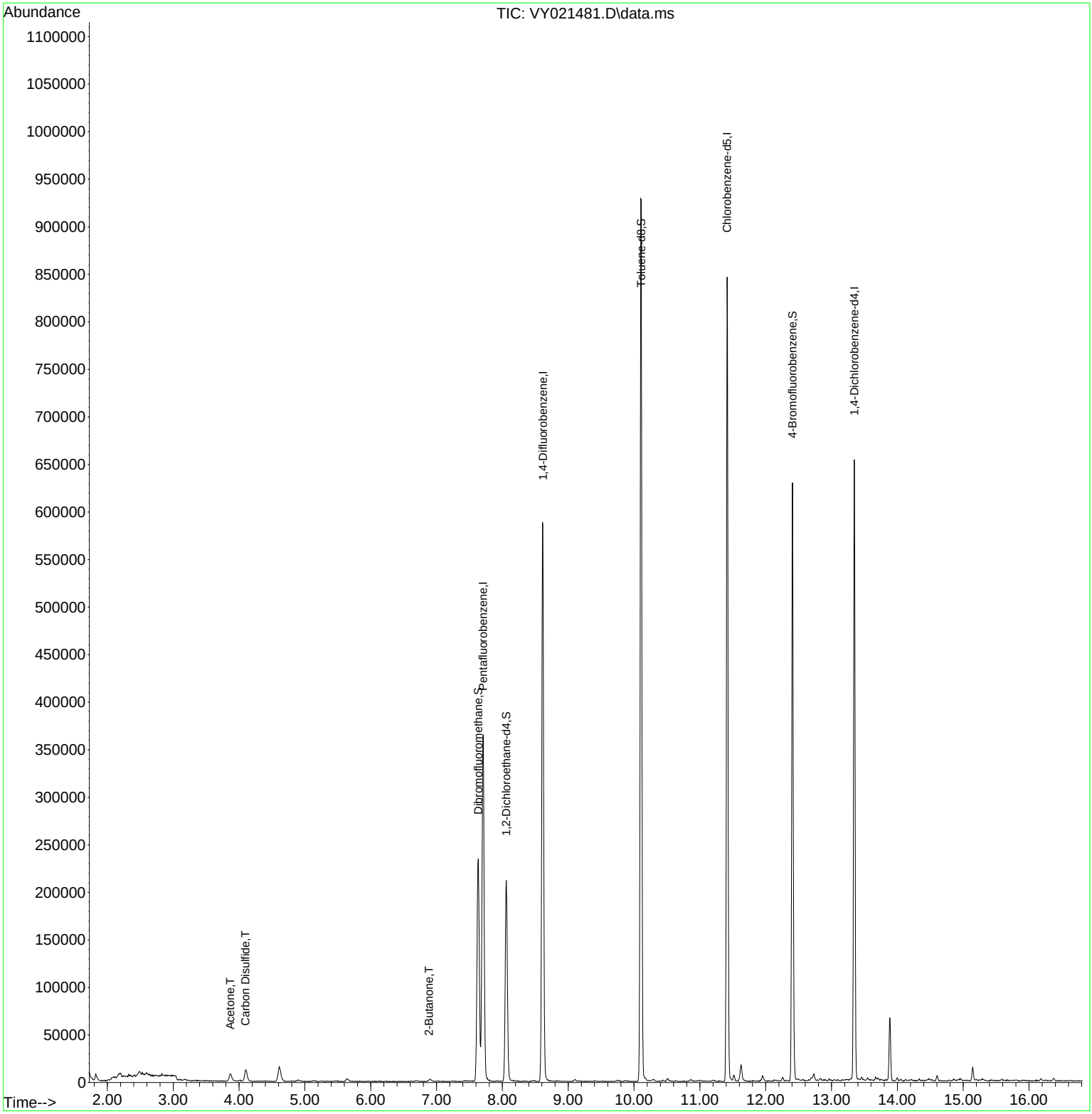
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	269495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	487605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	426245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	159684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170368	59.812	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.620%			
35) Dibromofluoromethane	7.634	113	165963	51.781	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.560%			
50) Toluene-d8	10.109	98	591303	48.725	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.440%			
62) 4-Bromofluorobenzene	12.407	95	175823	42.593	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.180%			
Target Compounds						Qvalue
16) Acetone	3.866	43	14141	22.762	ug/l	99
17) Carbon Disulfide	4.098	76	23452	2.703	ug/l #	94
25) 2-Butanone	6.884	43	3893	4.530	ug/l #	87

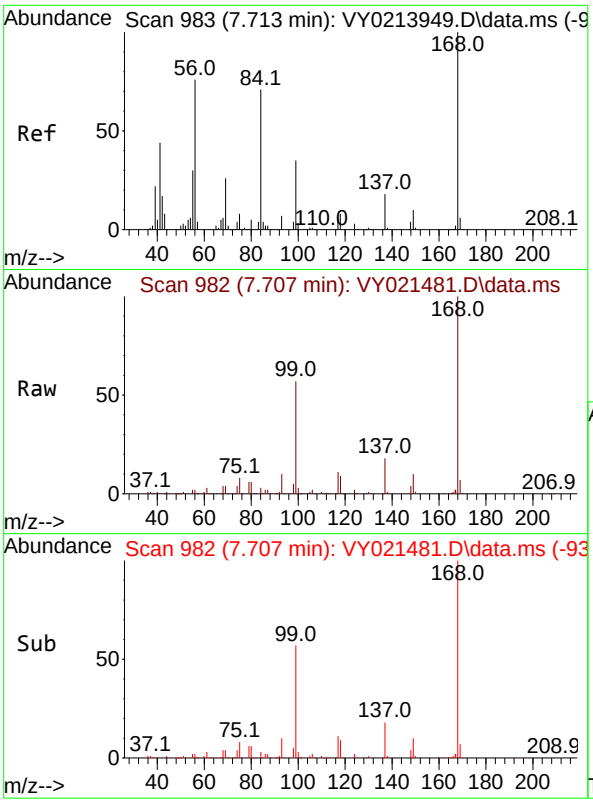
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021481.D
Acq On : 11 Mar 2025 13:11
Operator : SY/MD
Sample : Q1514-03
Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

Quant Time: Mar 12 01:24:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



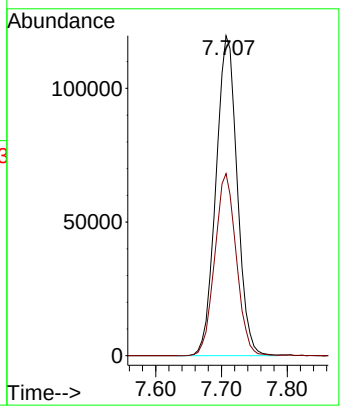


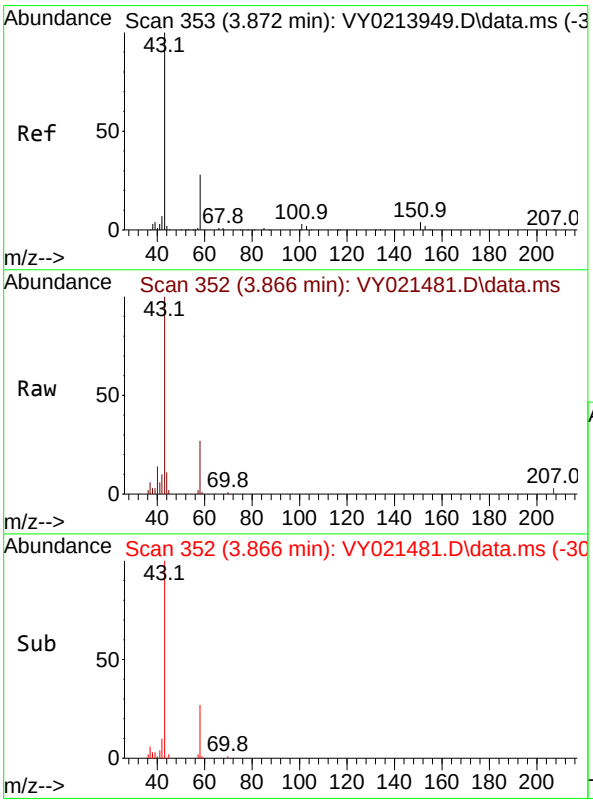
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

Tgt Ion:168 Resp: 269495

Ion	Ratio	Lower	Upper
168	100		
99	56.9	46.0	69.0

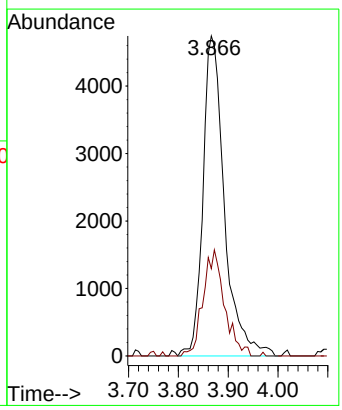


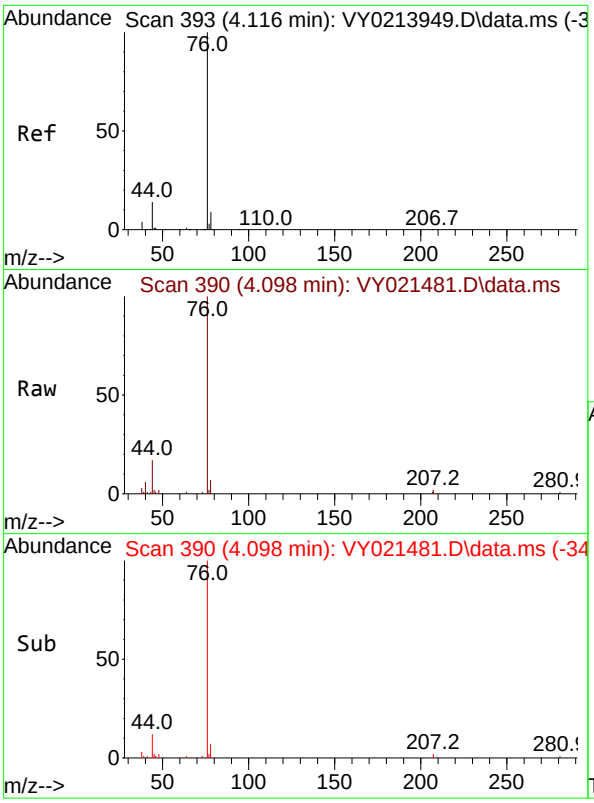


#16
Acetone
Concen: 22.762 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Tgt Ion: 43 Resp: 14141

Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.1	33.1



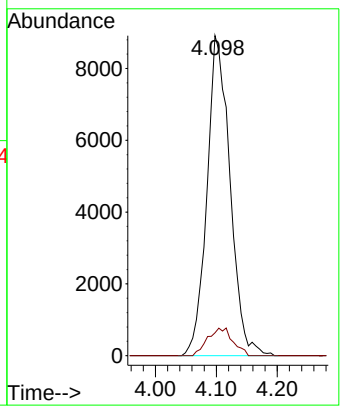


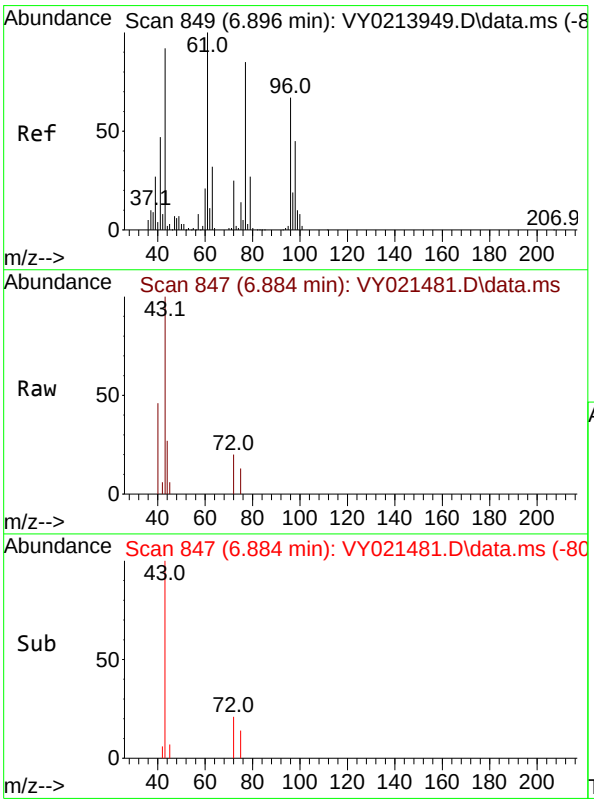
#17
Carbon Disulfide
Concen: 2.703 ug/l
RT: 4.098 min Scan# 3
Delta R.T. -0.018 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

Tgt Ion: 76 Resp: 23452

Ion	Ratio	Lower	Upper
76	100		
78	7.2	7.4	11.0#

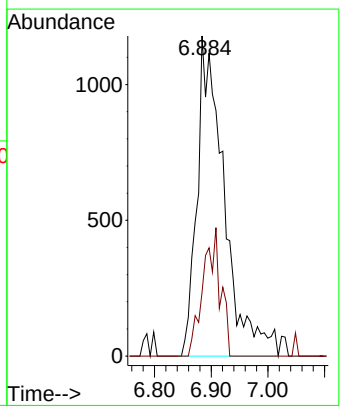


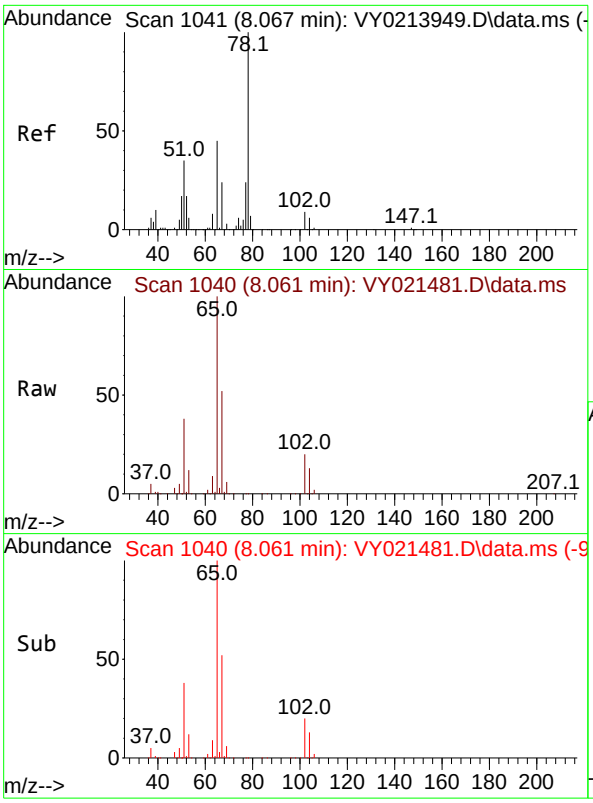


#25
2-Butanone
Concen: 4.530 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Tgt Ion: 43 Resp: 3893

Ion	Ratio	Lower	Upper
43	100		
72	19.9	21.4	32.0#



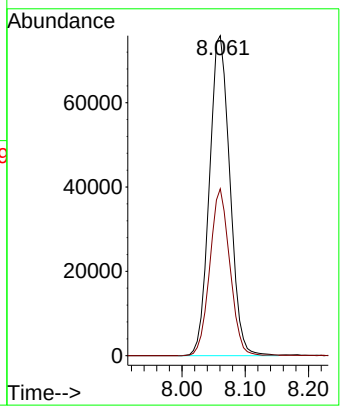


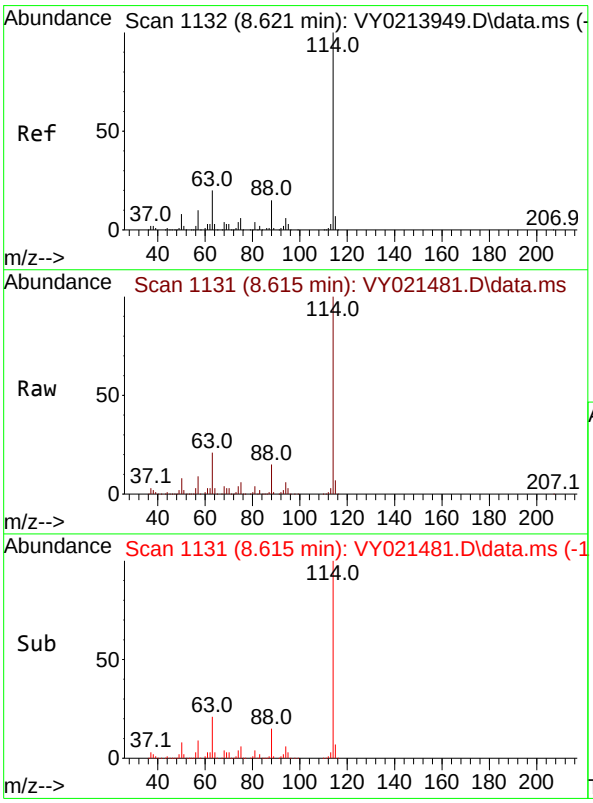
#33
1,2-Dichloroethane-d4
Concen: 59.812 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

Tgt Ion: 65 Resp: 170368

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.8

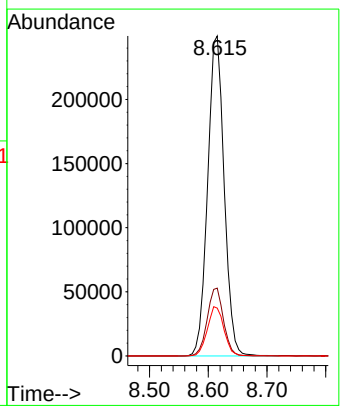


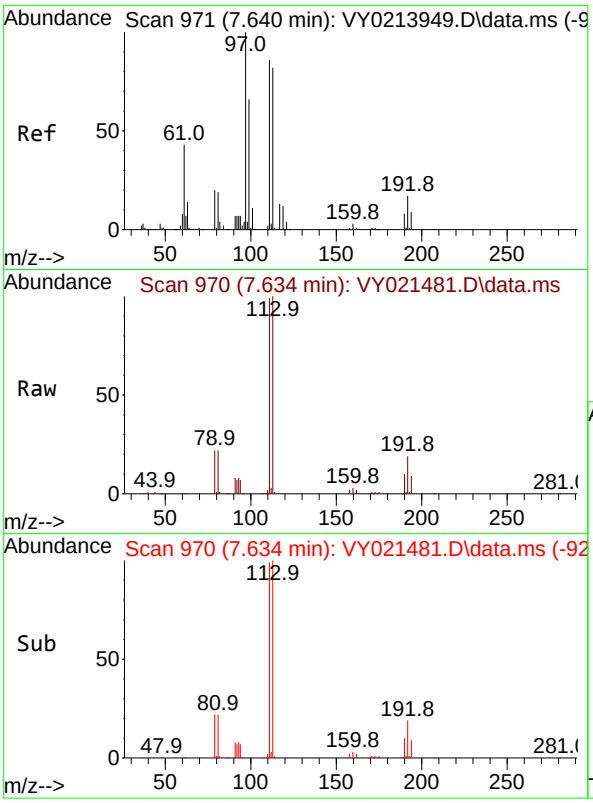


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Tgt Ion:114 Resp: 487605

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	40.8
88	15.0	0.0	30.8



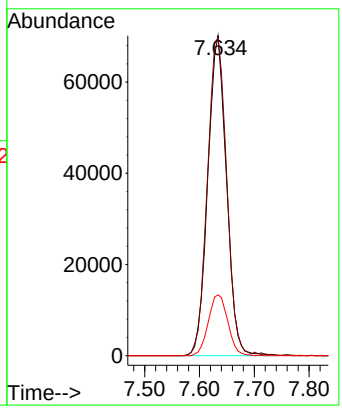


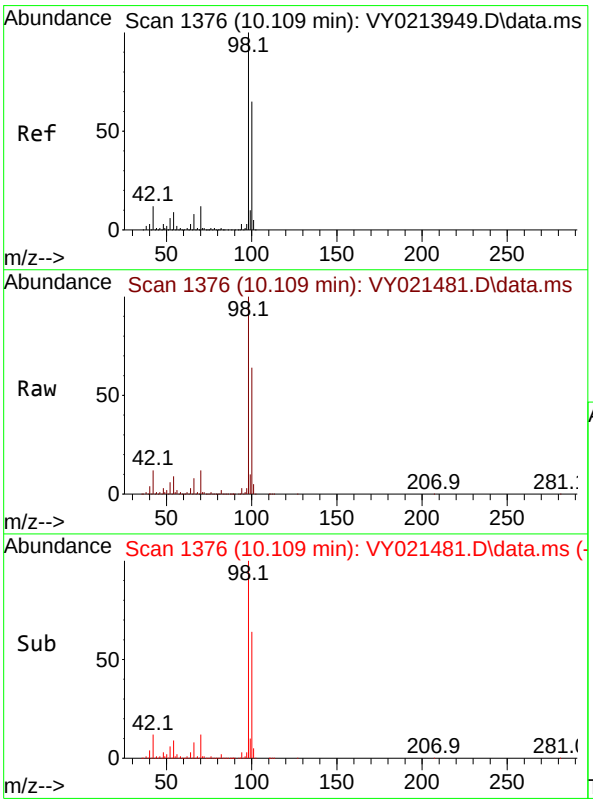
#35
Dibromofluoromethane
Concen: 51.781 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

Tgt Ion:113 Resp: 165963

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.0	123.0
192	19.8	15.9	23.9

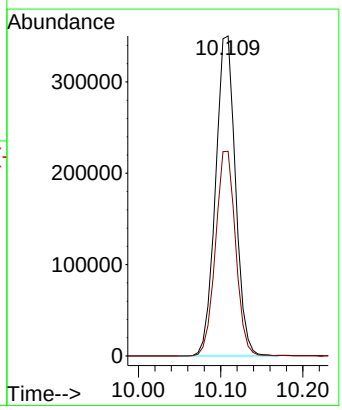


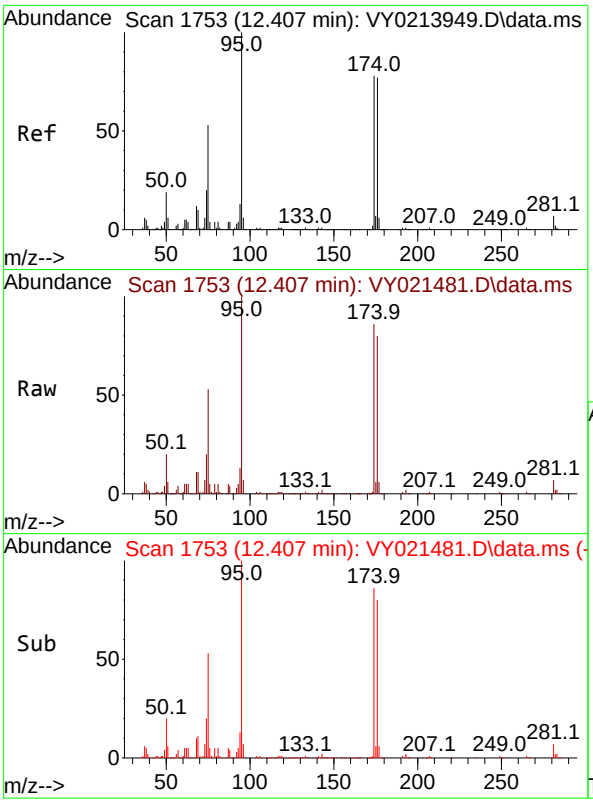


#50
Toluene-d8
Concen: 48.725 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Tgt Ion: 98 Resp: 591303

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1



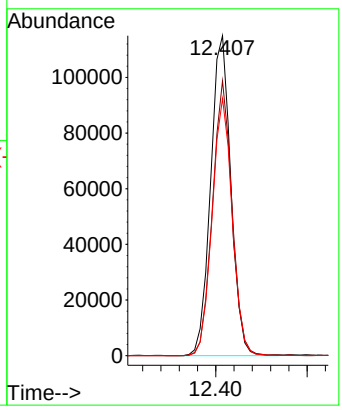


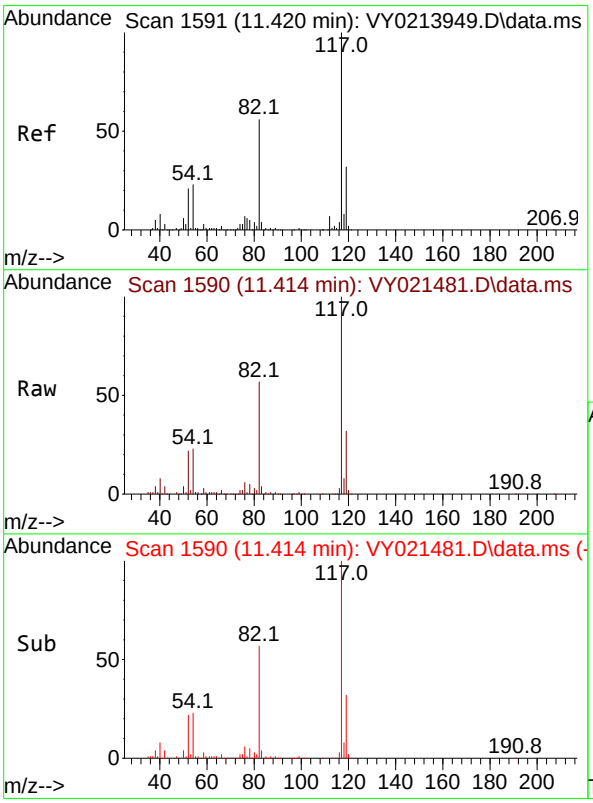
#62
4-Bromofluorobenzene
Concen: 42.593 ug/l
RT: 12.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

Tgt Ion: 95 Resp: 175823

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	165.0
176	80.0	0.0	160.0

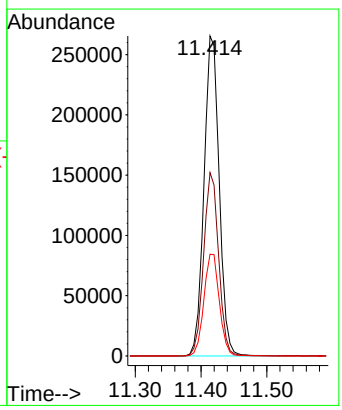


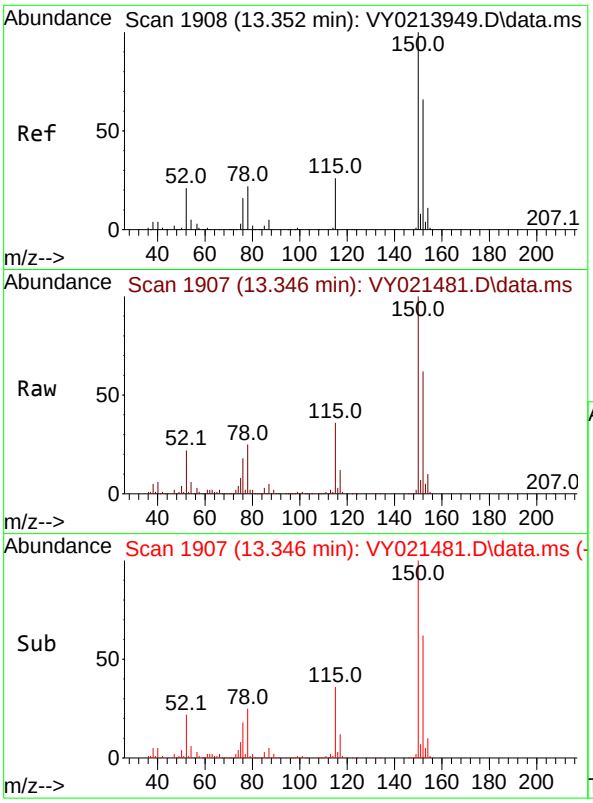


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Tgt Ion:117 Resp: 426245

Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.6	67.0
119	31.8	25.4	38.0



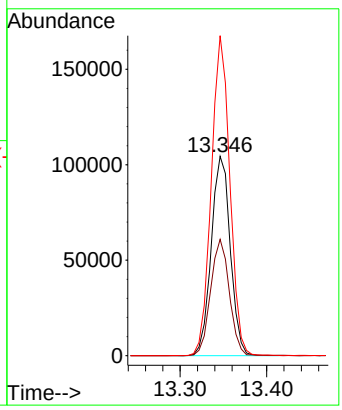


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021481.D
Acq: 11 Mar 2025 13:11

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

Tgt Ion:152 Resp: 159684

Ion	Ratio	Lower	Upper
152	100		
115	57.4	29.0	87.0
150	156.1	0.0	347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021481.D
Acq On : 11 Mar 2025 13:11
Operator : SY/MD
Sample : Q1514-03
Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

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

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

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

Signal : TIC: VY021481.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.866	344	352	361	rBV2	7273	20723	1.30%	0.251%
2	4.104	381	391	404	rVB2	11996	33327	2.09%	0.404%
3	4.610	464	474	487	rBV3	15536	48531	3.04%	0.589%
4	7.634	959	970	976	rBV	233749	569309	35.63%	6.904%
5	7.707	976	982	997	rVB	363783	813092	50.88%	9.861%
6	8.061	1031	1040	1051	rBV	211100	474337	29.68%	5.753%
7	8.609	1121	1130	1143	rBV	588381	1167525	73.07%	14.160%
8	10.103	1367	1375	1385	rBV	928344	1597907	100.00%	19.379%
9	11.414	1583	1590	1603	rBV	845950	1353967	84.73%	16.421%
10	11.627	1618	1625	1632	rBV	17105	36823	2.30%	0.447%
11	12.407	1746	1753	1762	rBV2	629160	1008304	63.10%	12.229%
12	13.346	1899	1907	1915	rVB	651387	986679	61.75%	11.966%
13	13.883	1989	1995	2002	rVB	66143	111154	6.96%	1.348%
14	15.145	2196	2202	2207	rBV2	14181	23843	1.49%	0.289%

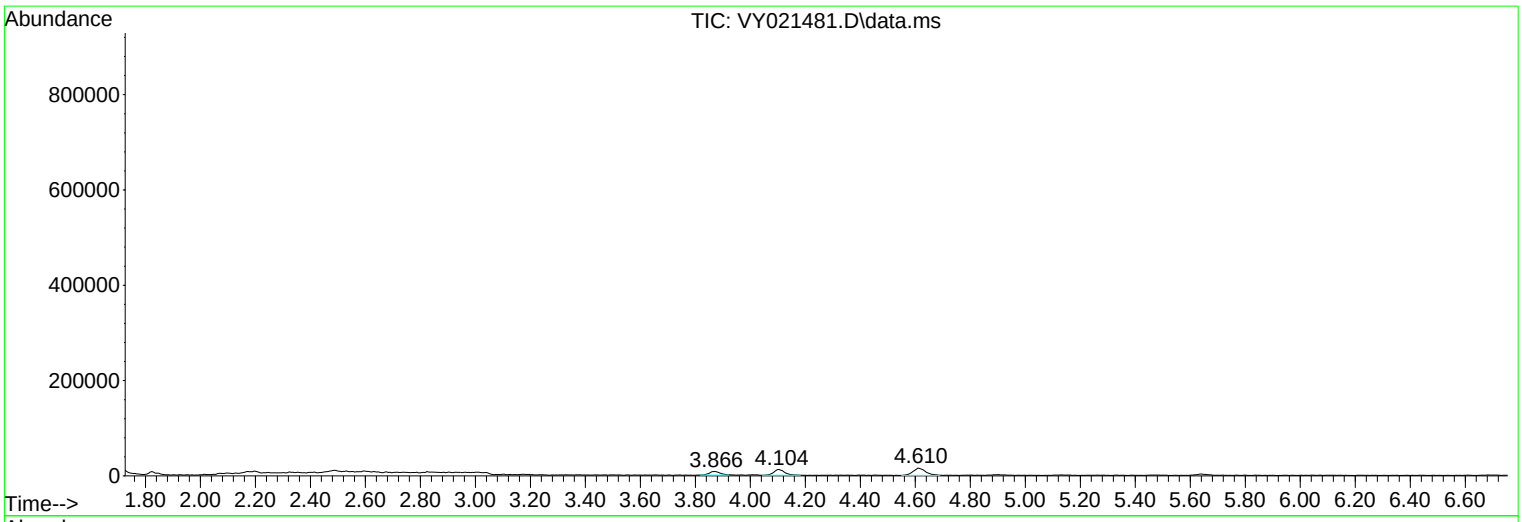
Sum of corrected areas: 8245521

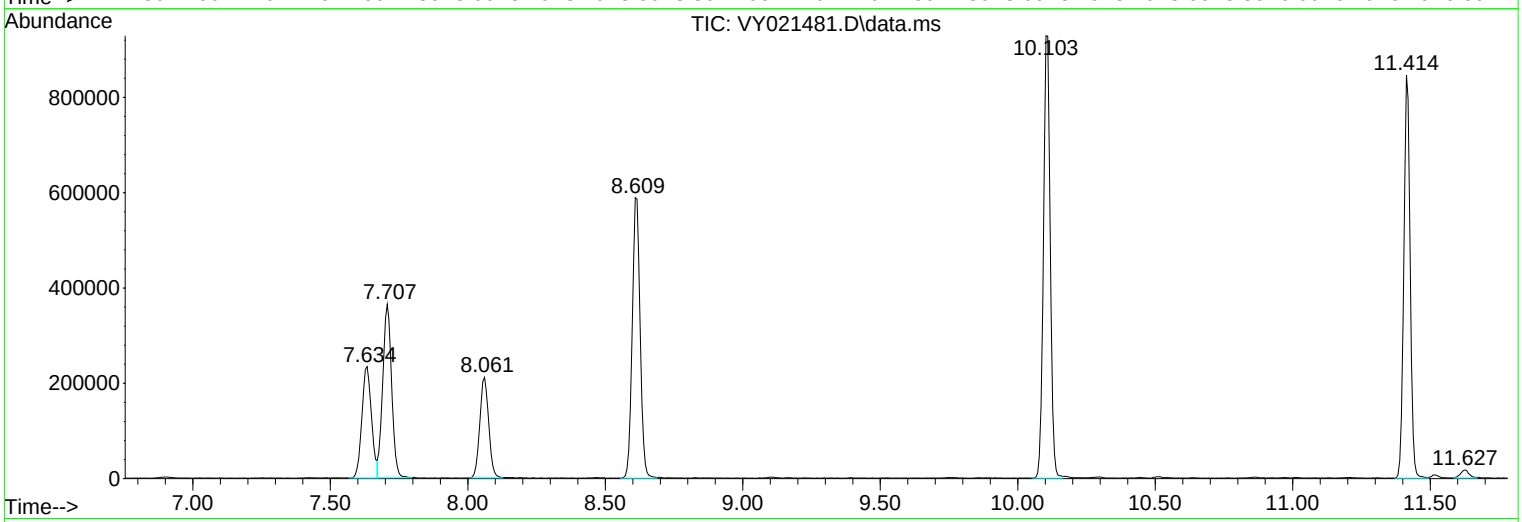
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021481.D
Acq On : 11 Mar 2025 13:11
Operator : SY/MD
Sample : Q1514-03
Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

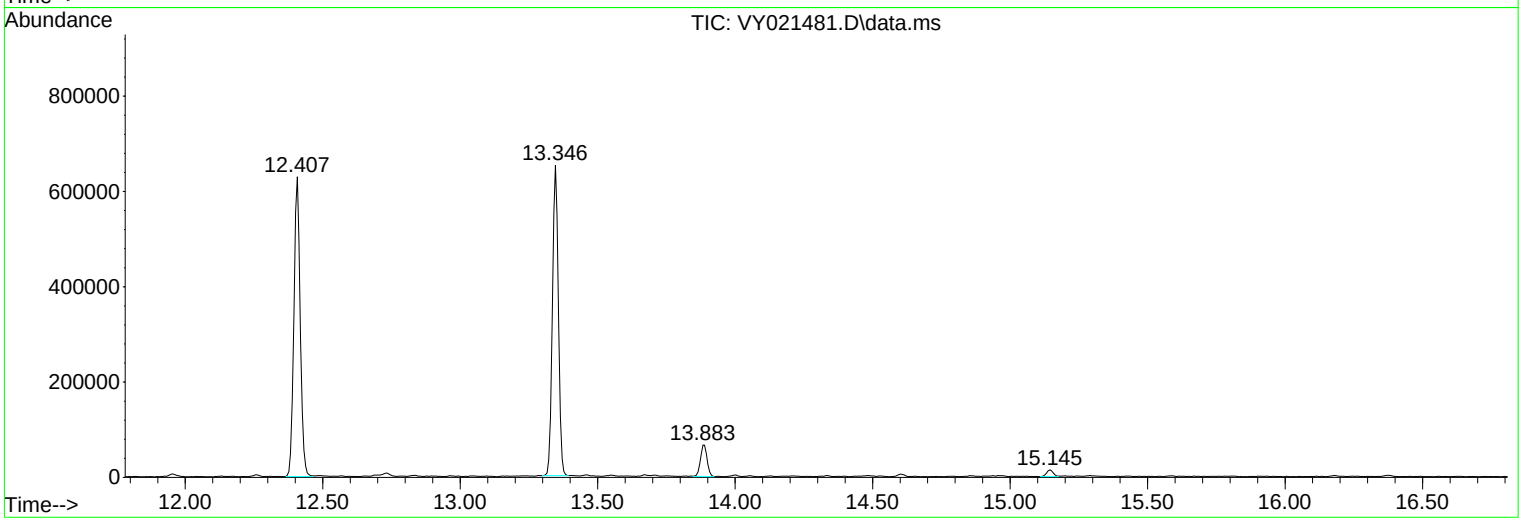
Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

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

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021481.D
Acq On : 11 Mar 2025 13:11
Operator : SY/MD
Sample : Q1514-03
Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021481.D
Acq On : 11 Mar 2025 13:11
Operator : SY/MD
Sample : Q1514-03
Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-105-SB02

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021480.D
Acq On : 11 Mar 2025 12:48
Operator : SY/MD
Sample : Q1514-05
Misc : 7.66g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

Quant Time: Mar 12 01:24:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

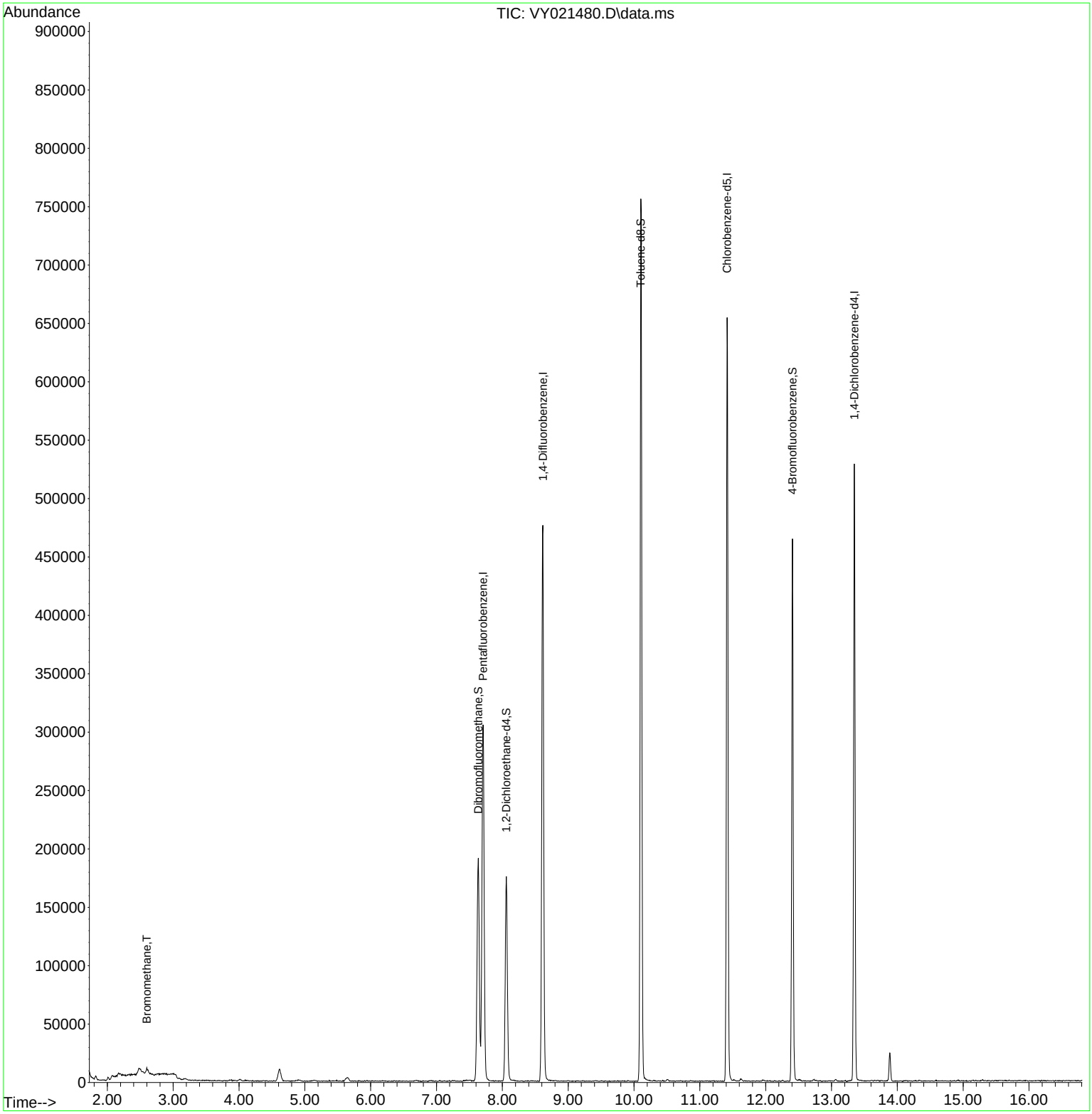
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	233794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	402762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	340384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139449	56.433	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.860%			
35) Dibromofluoromethane	7.634	113	134348	50.747	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.500%			
50) Toluene-d8	10.103	98	479026	47.788	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.580%			
62) 4-Bromofluorobenzene	12.407	95	137856	40.430	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.860%			
Target Compounds						Qvalue
5) Bromomethane	2.598	94	2830	1.185	ug/l	90

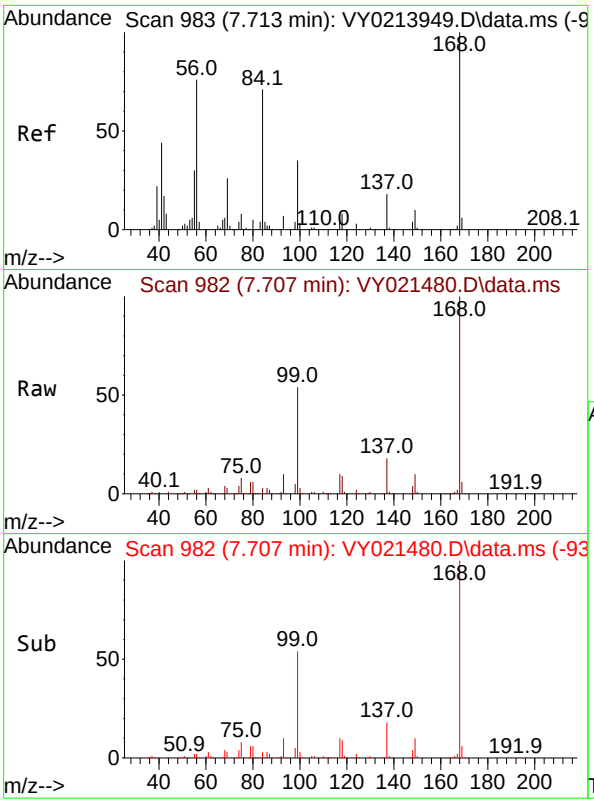
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021480.D
Acq On : 11 Mar 2025 12:48
Operator : SY/MD
Sample : Q1514-05
Misc : 7.66g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

Quant Time: Mar 12 01:24:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



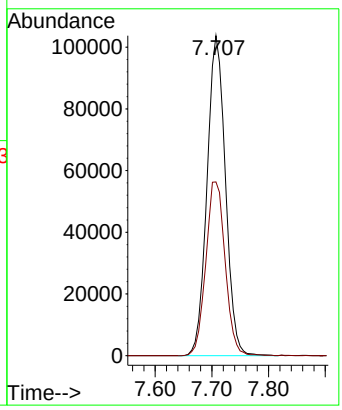


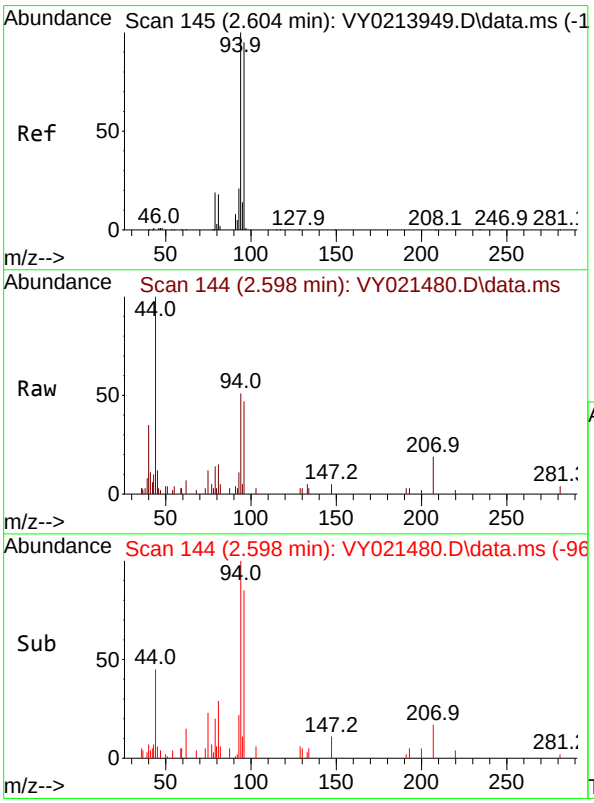
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

Tgt Ion:168 Resp: 233794

Ion	Ratio	Lower	Upper
168	100		
99	54.3	46.0	69.0

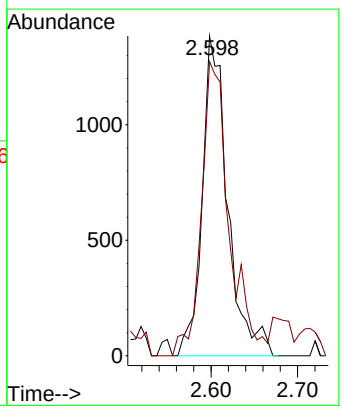


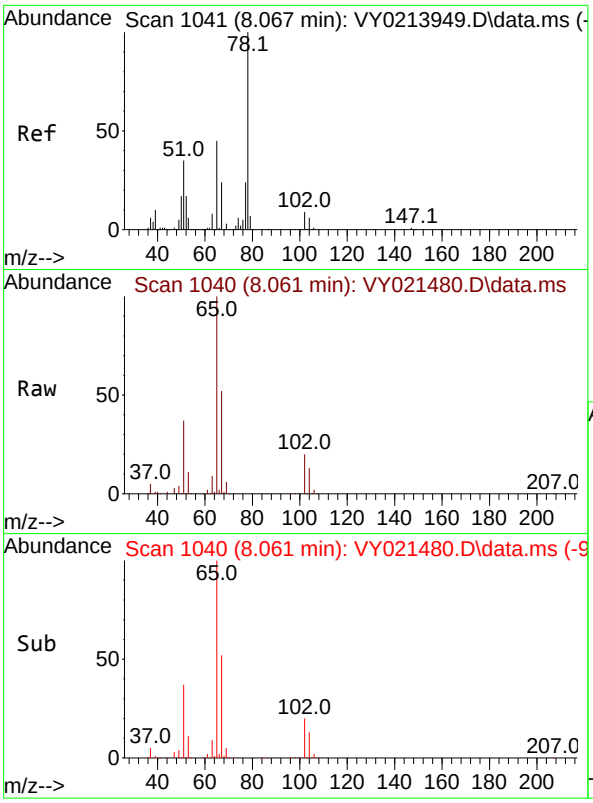


#5
Bromomethane
Concen: 1.185 ug/l
RT: 2.598 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Tgt Ion: 94 Resp: 2830

Ion	Ratio	Lower	Upper
94	100		
96	85.9	76.3	114.5



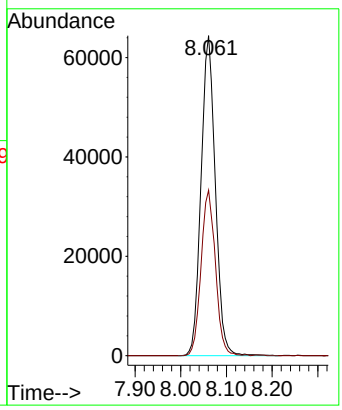


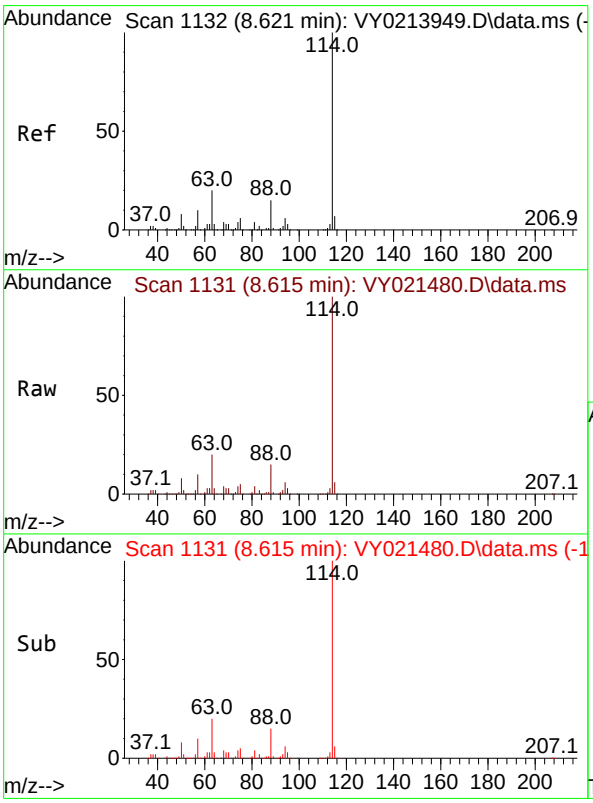
#33
1,2-Dichloroethane-d4
Concen: 56.433 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

Tgt Ion: 65 Resp: 139449

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.8

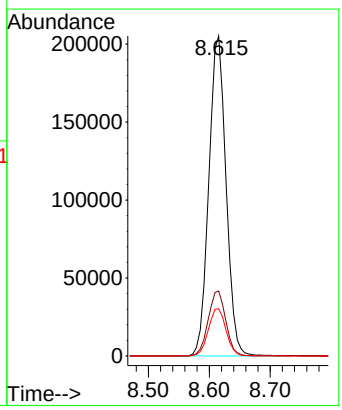


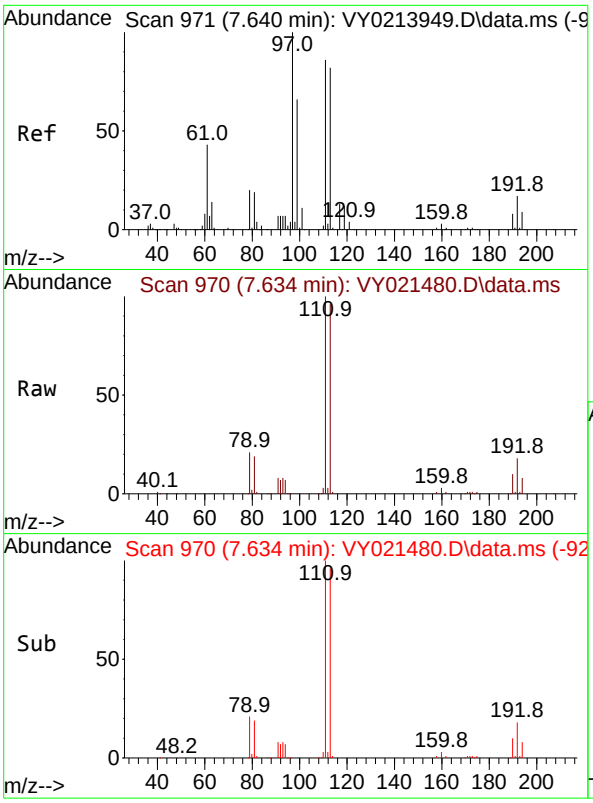


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Tgt Ion:114 Resp: 402762

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	14.7	0.0	30.8



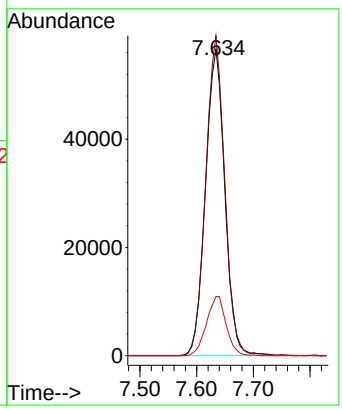


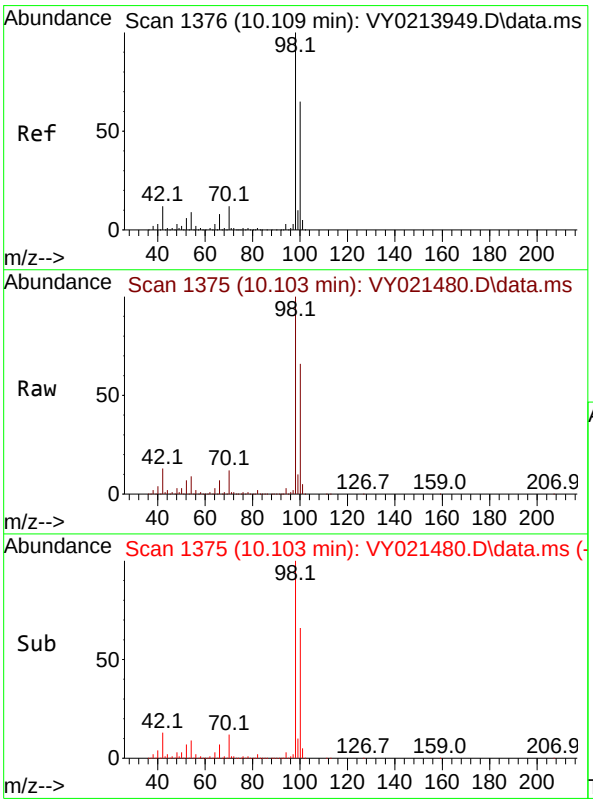
#35
Dibromofluoromethane
Concen: 50.747 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

Tgt Ion:113 Resp: 134348

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	19.7	15.9	23.9

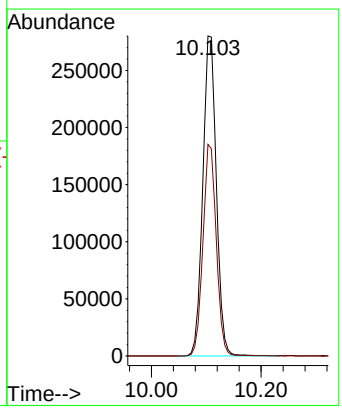


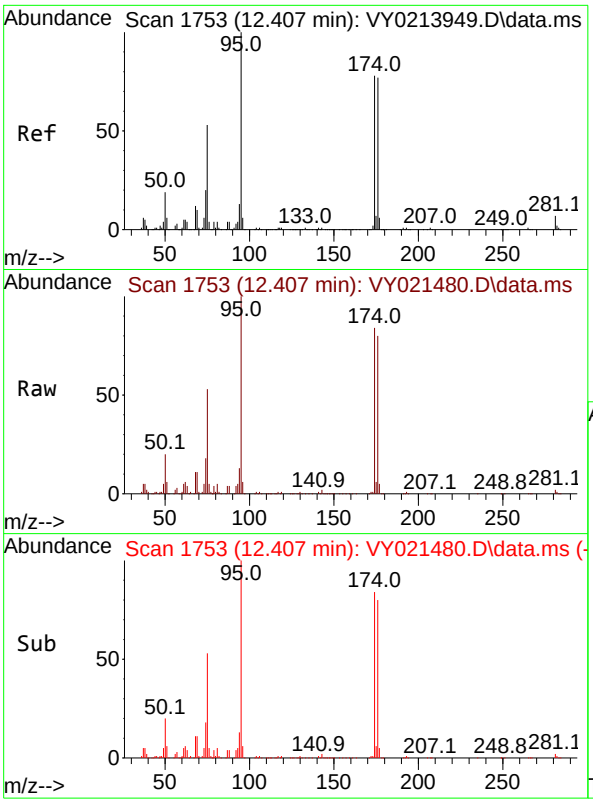


#50
Toluene-d8
Concen: 47.788 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Tgt Ion: 98 Resp: 479026

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1



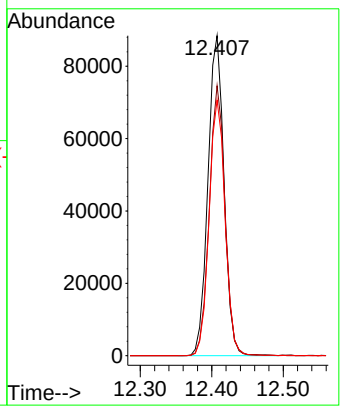


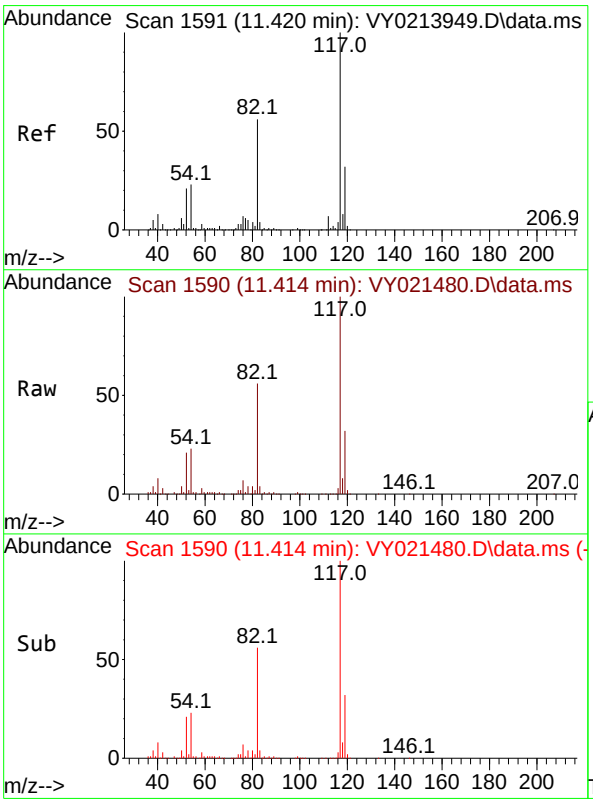
#62
4-Bromofluorobenzene
Concen: 40.430 ug/l
RT: 12.407 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

Tgt Ion: 95 Resp: 137856

Ion	Ratio	Lower	Upper
95	100		
174	82.8	0.0	165.0
176	79.4	0.0	160.0

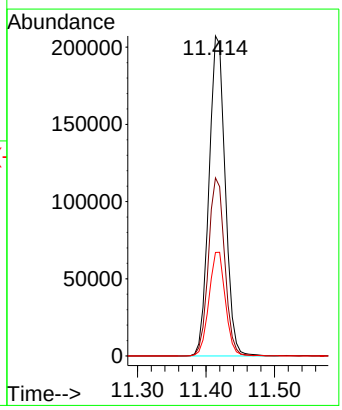


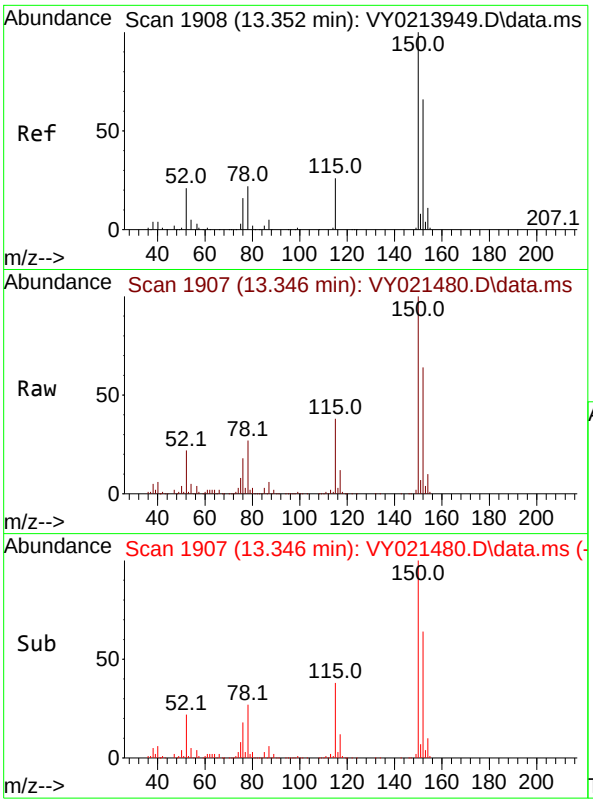


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Tgt Ion:117 Resp: 340384

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	67.0
119	32.3	25.4	38.0



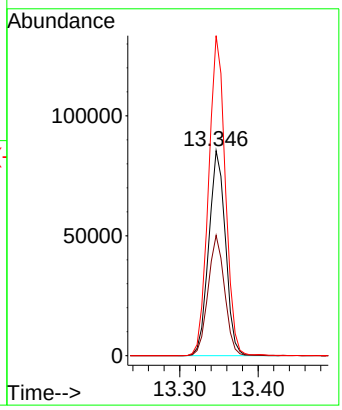


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021480.D
Acq: 11 Mar 2025 12:48

Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

Tgt Ion:152 Resp: 126386

Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.0	87.0
150	156.9	0.0	347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021480.D
Acq On : 11 Mar 2025 12:48
Operator : SY/MD
Sample : Q1514-05
Misc : 7.66g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

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

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

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

Signal : TIC: VY021480.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	484	rBV4	10294	31550	2.44%	0.486%
2	7.634	957	970	976	rBV2	190944	460779	35.62%	7.103%
3	7.707	976	982	993	rVB	303838	698988	54.04%	10.775%
4	8.061	1030	1040	1052	rBV	175299	391100	30.24%	6.029%
5	8.615	1122	1131	1146	rBV	476211	962219	74.39%	14.833%
6	10.103	1367	1375	1384	rBV	755830	1293493	100.00%	19.939%
7	11.414	1582	1590	1602	rBV	654073	1080051	83.50%	16.649%
8	12.407	1746	1753	1766	rBV	464579	740301	57.23%	11.412%
9	13.346	1901	1907	1921	rVB	528062	787693	60.90%	12.142%
10	13.883	1987	1995	2003	rVB	24216	41014	3.17%	0.632%

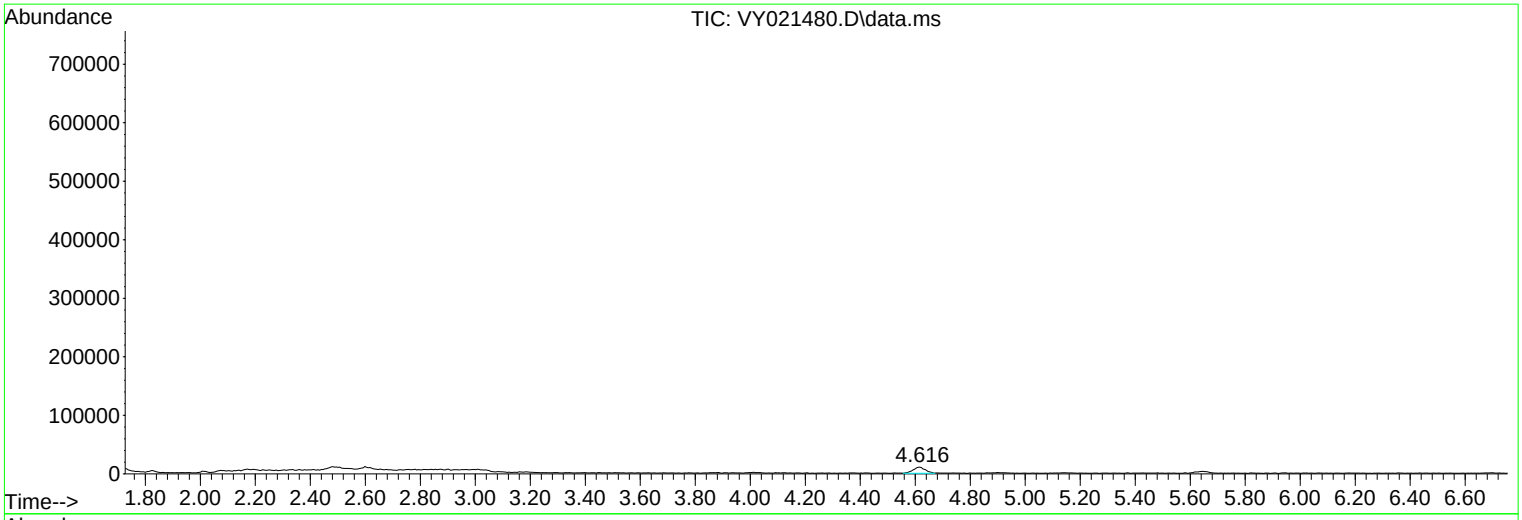
Sum of corrected areas: 6487188

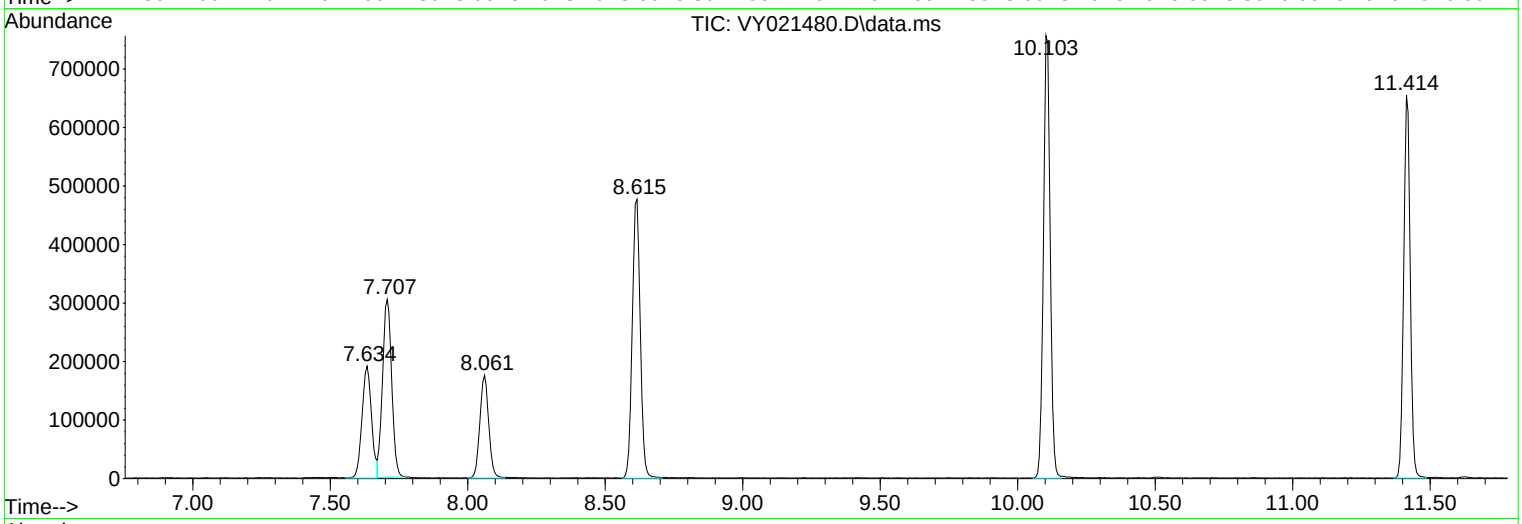
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021480.D
Acq On : 11 Mar 2025 12:48
Operator : SY/MD
Sample : Q1514-05
Misc : 7.66g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

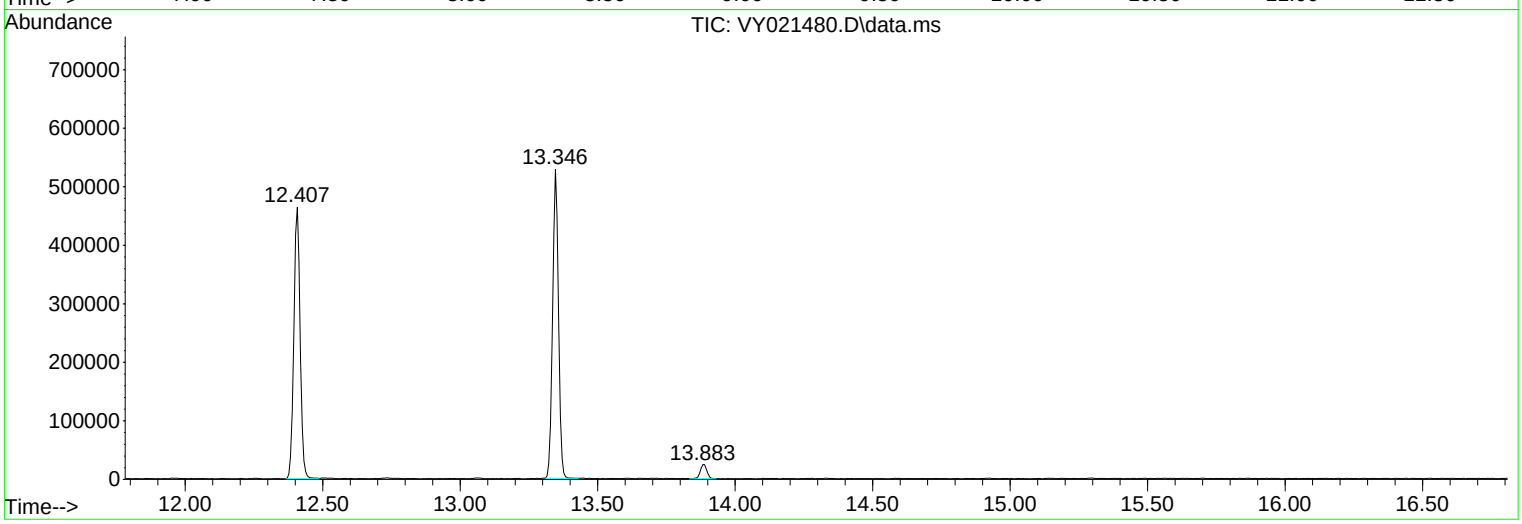
Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

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

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021480.D
Acq On : 11 Mar 2025 12:48
Operator : SY/MD
Sample : Q1514-05
Misc : 7.66g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021480.D
Acq On : 11 Mar 2025 12:48
Operator : SY/MD
Sample : Q1514-05
Misc : 7.66g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-103-SB01

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085919.D
Acq On : 10 Mar 2025 17:11
Operator : JC\MD
Sample : Q1514-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-GW01

Quant Time: Mar 11 01:39:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

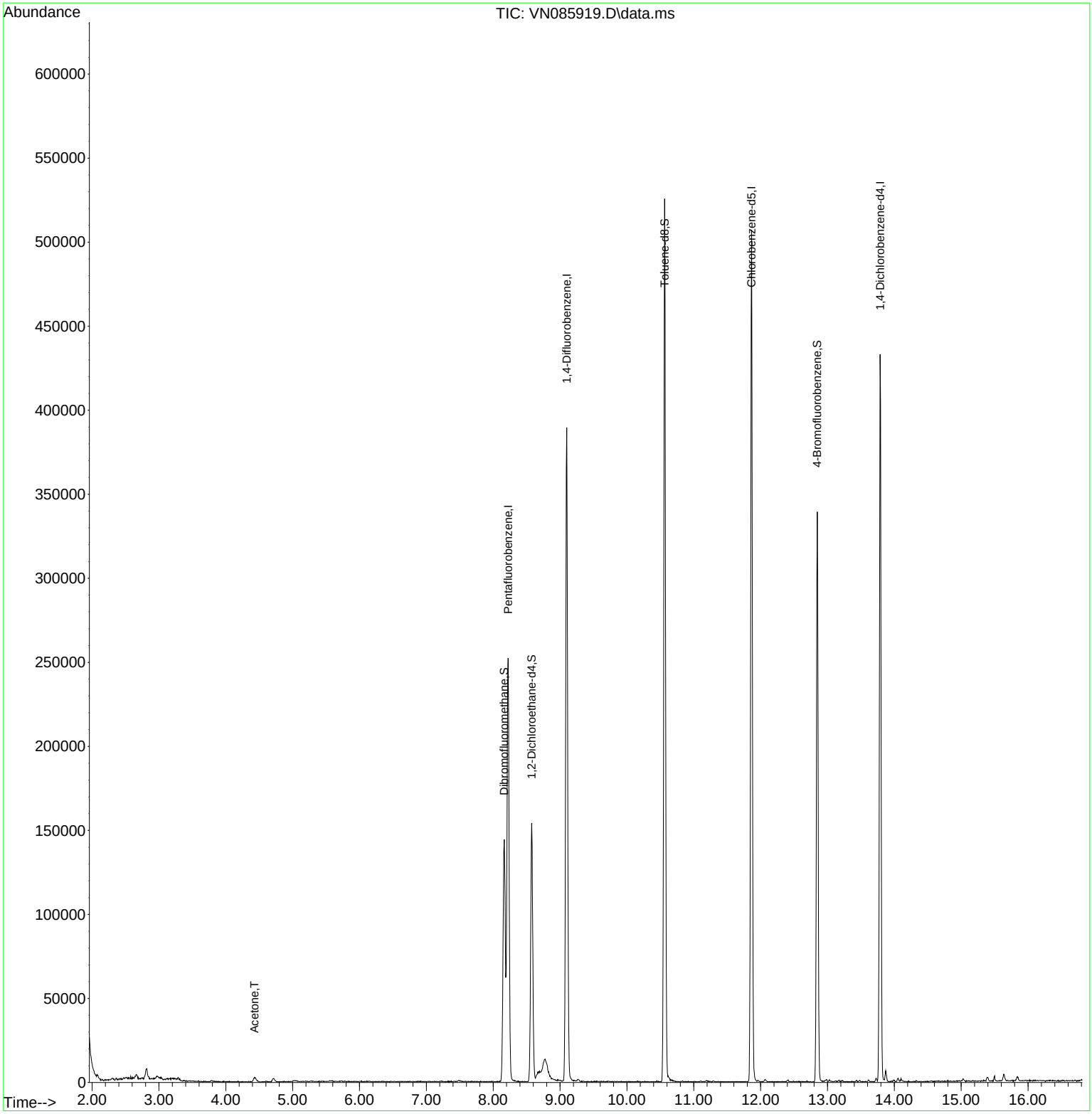
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	180602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	336697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	290159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123756	52.855	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.700%			
35) Dibromofluoromethane	8.165	113	105753	48.000	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.000%			
50) Toluene-d8	10.565	98	364171	45.431	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.860%			
62) 4-Bromofluorobenzene	12.847	95	124468	47.128	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.260%			
Target Compounds						Qvalue
16) Acetone	4.430	43	5327	7.190	ug/l	96

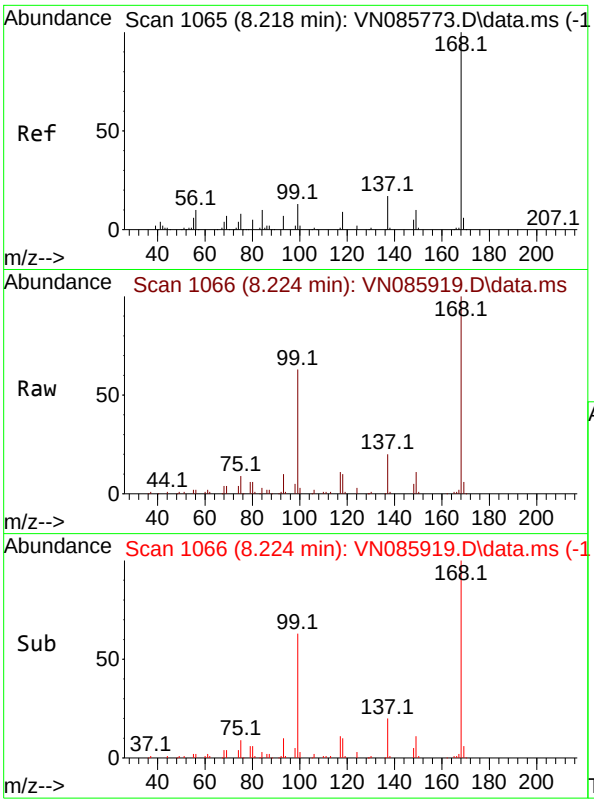
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085919.D
Acq On : 10 Mar 2025 17:11
Operator : JC\MD
Sample : Q1514-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-GW01

Quant Time: Mar 11 01:39:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



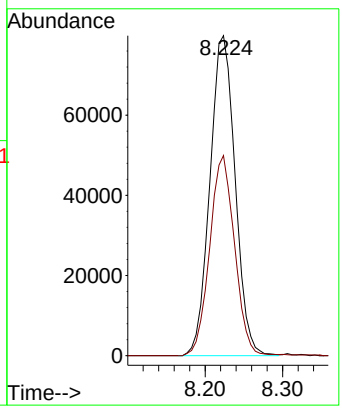


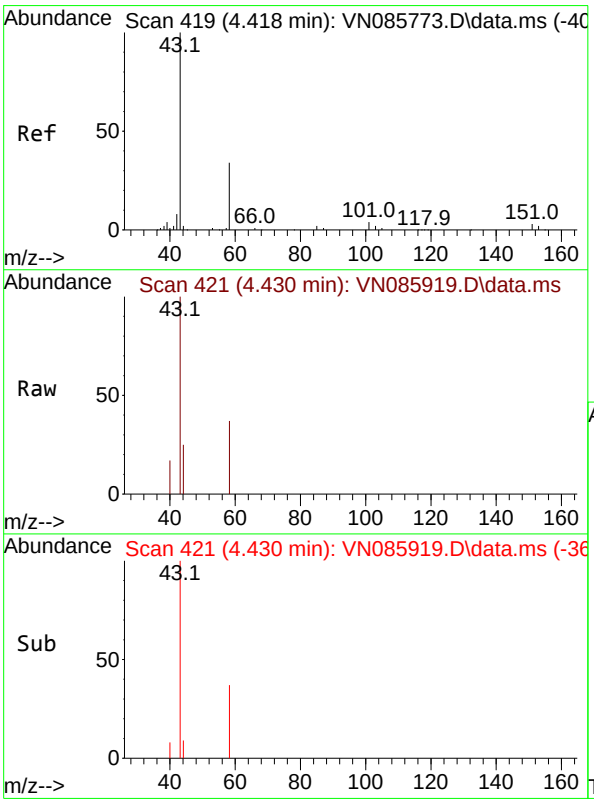
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085919.D
Acq: 10 Mar 2025 17:11

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-GW01

Tgt Ion:168 Resp: 180602

Ion	Ratio	Lower	Upper
168	100		
99	62.6	47.9	71.9

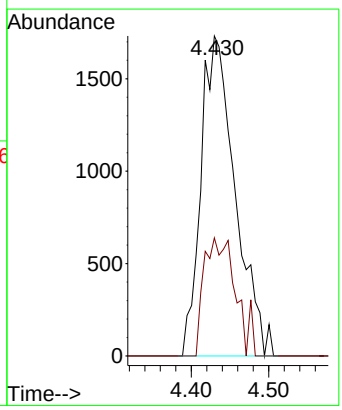


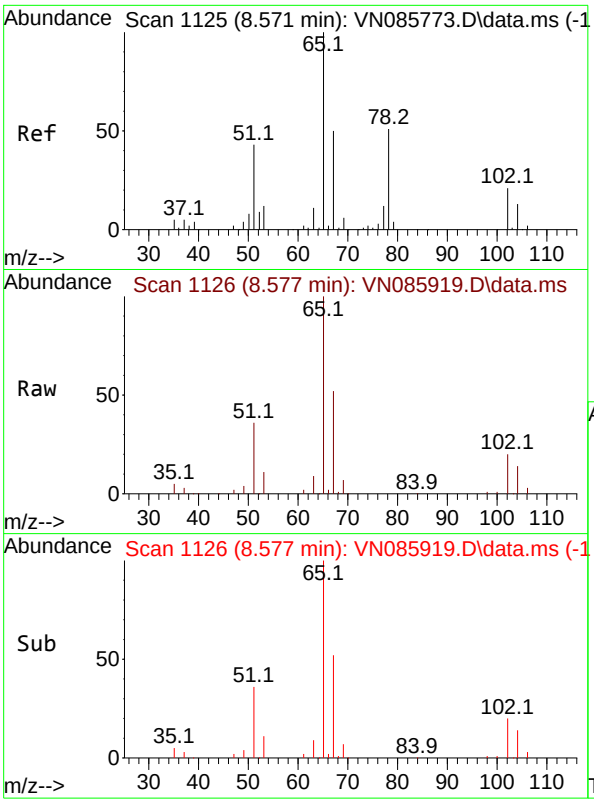


#16
Acetone
Concen: 7.190 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085919.D
Acq: 10 Mar 2025 17:11

Tgt Ion: 43 Resp: 5327

Ion	Ratio	Lower	Upper
43	100		
58	36.9	27.5	41.3



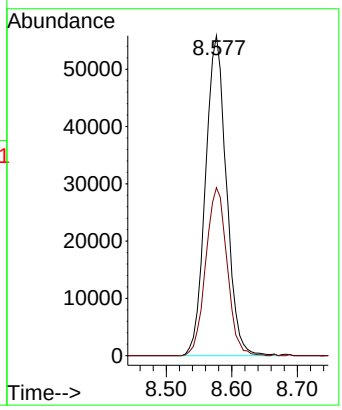


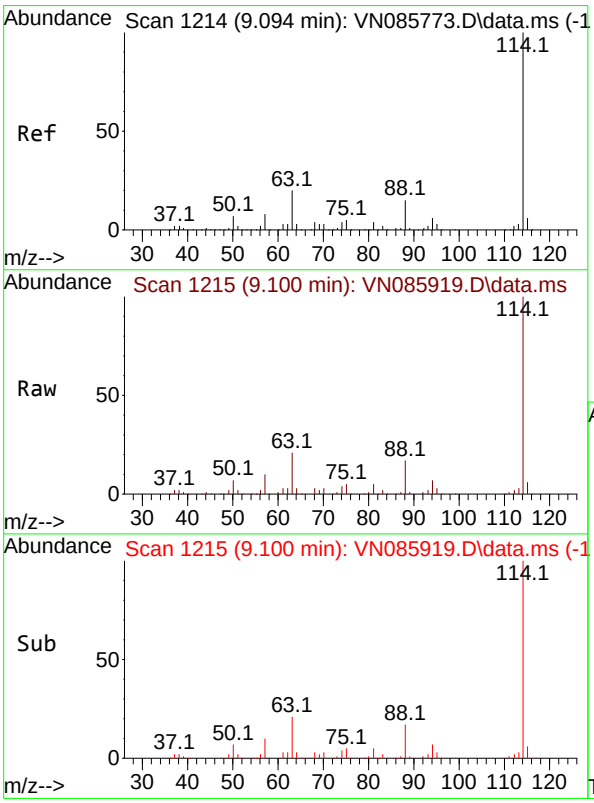
#33
1,2-Dichloroethane-d4
Concen: 52.855 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085919.D
Acq: 10 Mar 2025 17:11

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-GW01

Tgt Ion: 65 Resp: 123756

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	106.2

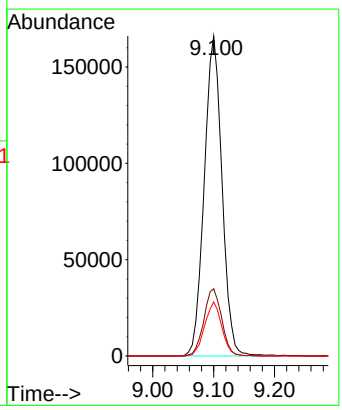


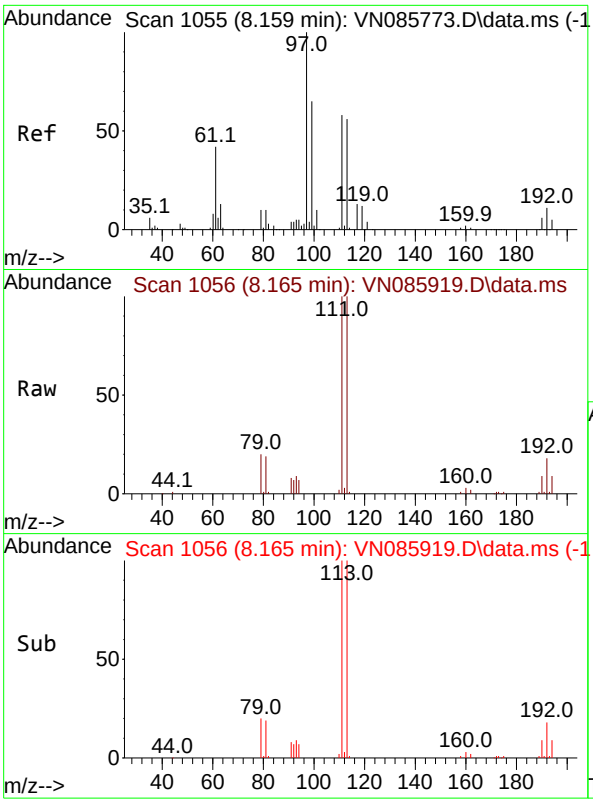


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085919.D
Acq: 10 Mar 2025 17:11

Tgt Ion:114 Resp: 336697

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	39.2
88	16.9	0.0	30.0



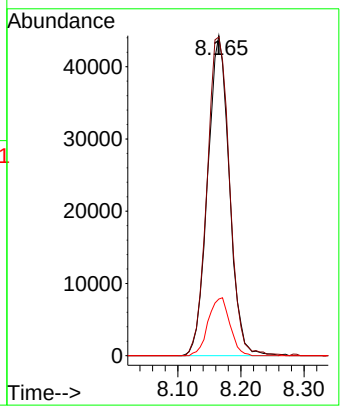


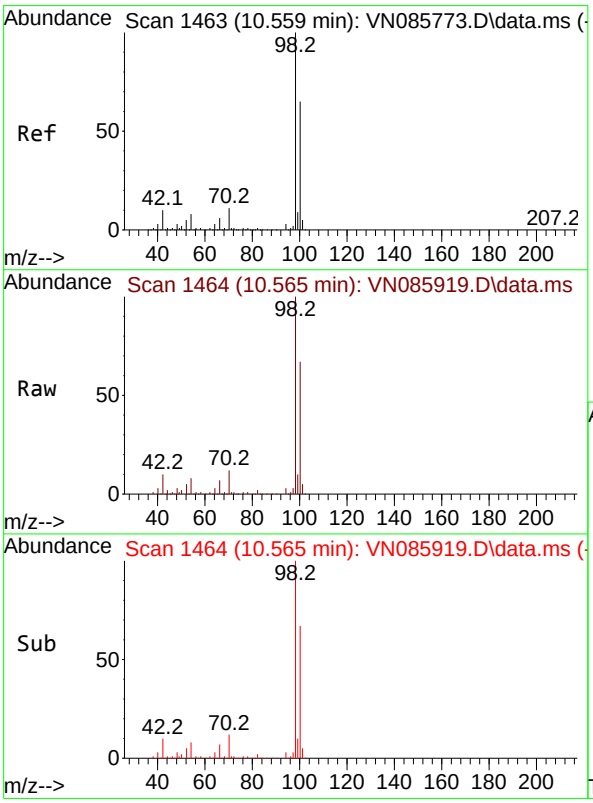
#35
Dibromofluoromethane
Concen: 48.000 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085919.D
Acq: 10 Mar 2025 17:11

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-GW01

Tgt Ion:113 Resp: 105753

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	18.0	14.7	22.1

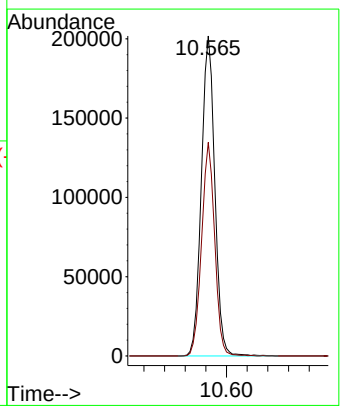


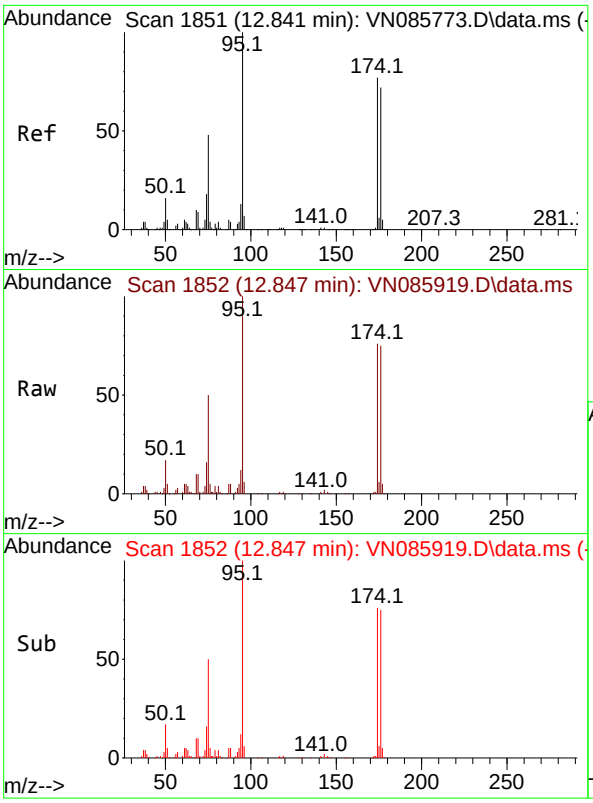


#50
Toluene-d8
Concen: 45.431 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085919.D
Acq: 10 Mar 2025 17:11

Tgt Ion: 98 Resp: 364171

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1



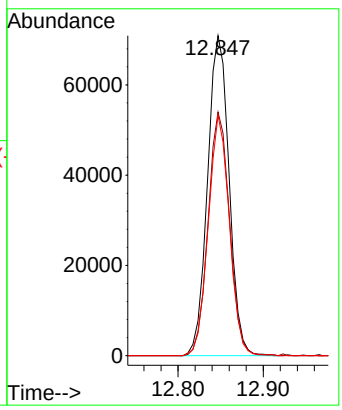


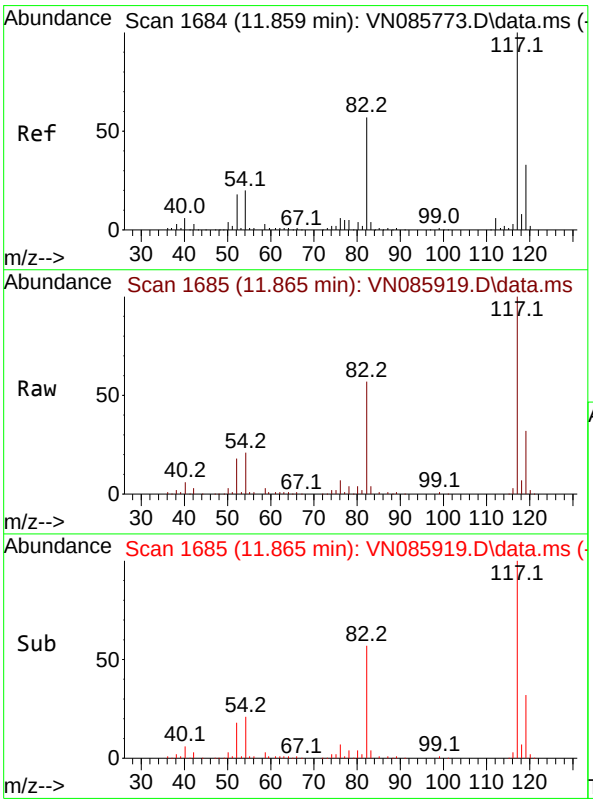
#62
4-Bromofluorobenzene
Concen: 47.128 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085919.D
Acq: 10 Mar 2025 17:11

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-GW01

Tgt Ion: 95 Resp: 124468

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	152.4
176	73.3	0.0	146.6

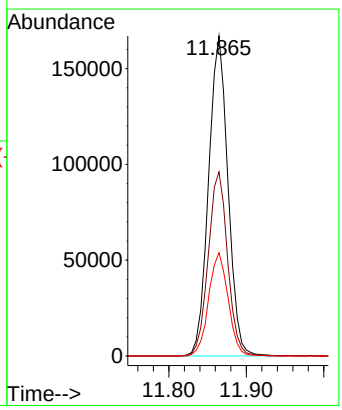


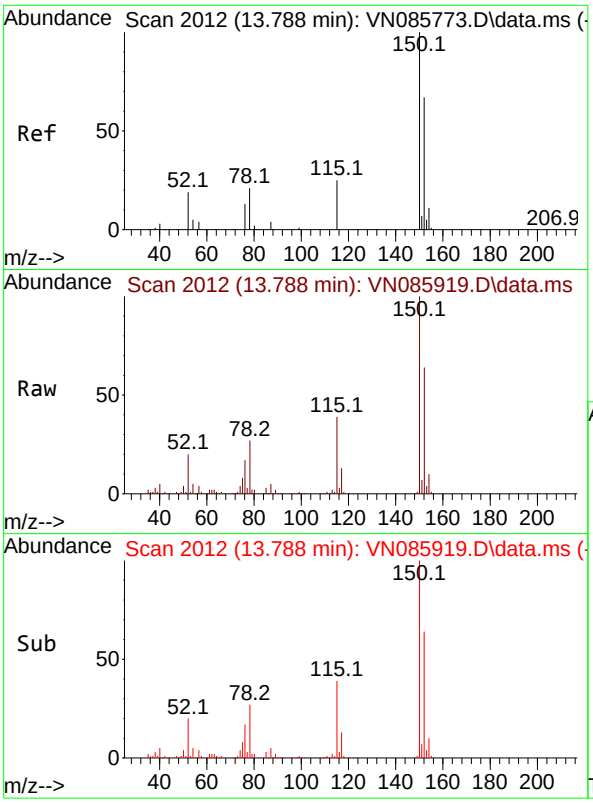


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085919.D
Acq: 10 Mar 2025 17:11

Tgt Ion:117 Resp: 290159

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.7	68.5
119	32.3	26.2	39.2



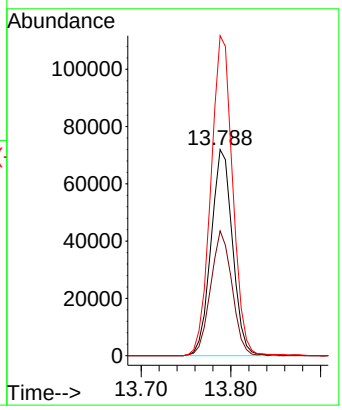


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085919.D
Acq: 10 Mar 2025 17:11

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-GW01

Tgt Ion:152 Resp: 119785

Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.4	91.3
150	157.2	0.0	345.4



Sample Results: **VN085919.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085919.D
Acq On : 10 Mar 2025 17:11
Operator : JC\MD
Sample : Q1514-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-GW01

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\82N021825W.M
Title : SW846 8260

Signal : TIC: VN085919.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.818	140	147	155	rVB3	6264	14928	1.59%	0.285%
2	8.165	1046	1056	1060	rBV2	144008	336826	35.78%	6.440%
3	8.224	1060	1066	1079	rVB	251507	567252	60.25%	10.846%
4	8.577	1117	1126	1135	rBV	153789	340336	36.15%	6.507%
5	8.777	1153	1160	1176	rVB4	11846	53720	5.71%	1.027%
6	9.100	1207	1215	1231	rVB	388751	785421	83.42%	15.017%
7	10.565	1456	1464	1478	rBV	525254	941485	100.00%	18.001%
8	11.865	1675	1685	1699	rBV	506884	883183	93.81%	16.887%
9	12.847	1844	1852	1861	rBV	339194	586657	62.31%	11.217%
10	13.788	2005	2012	2023	rBV	432438	720270	76.50%	13.772%

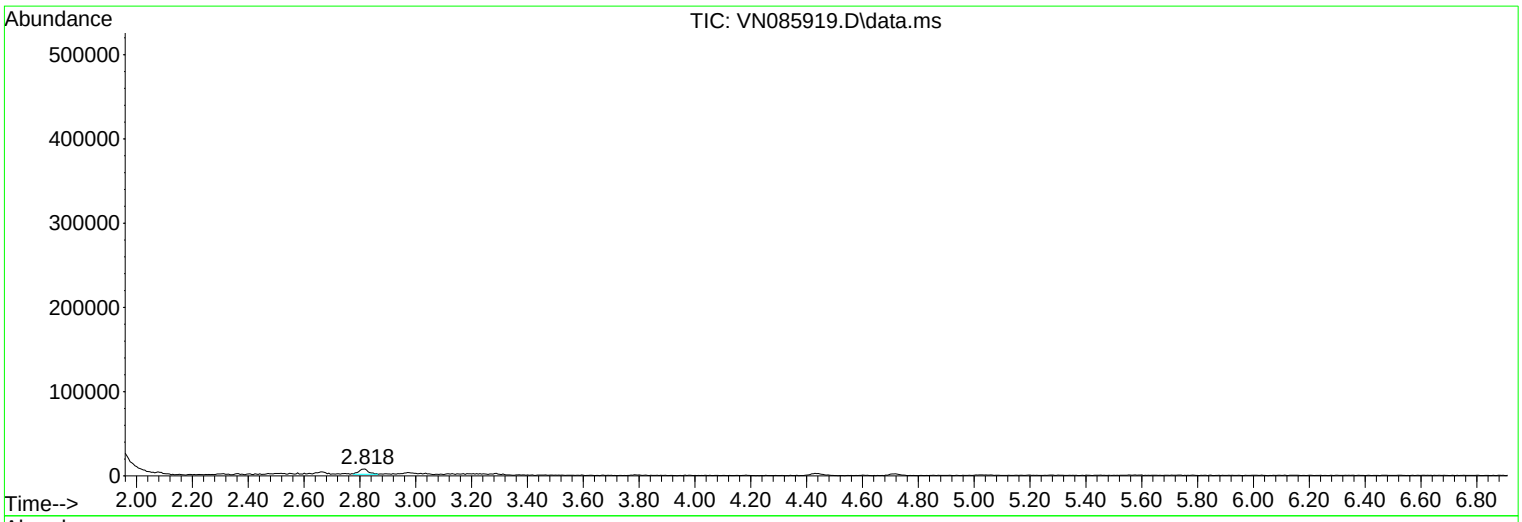
Sum of corrected areas: 5230078

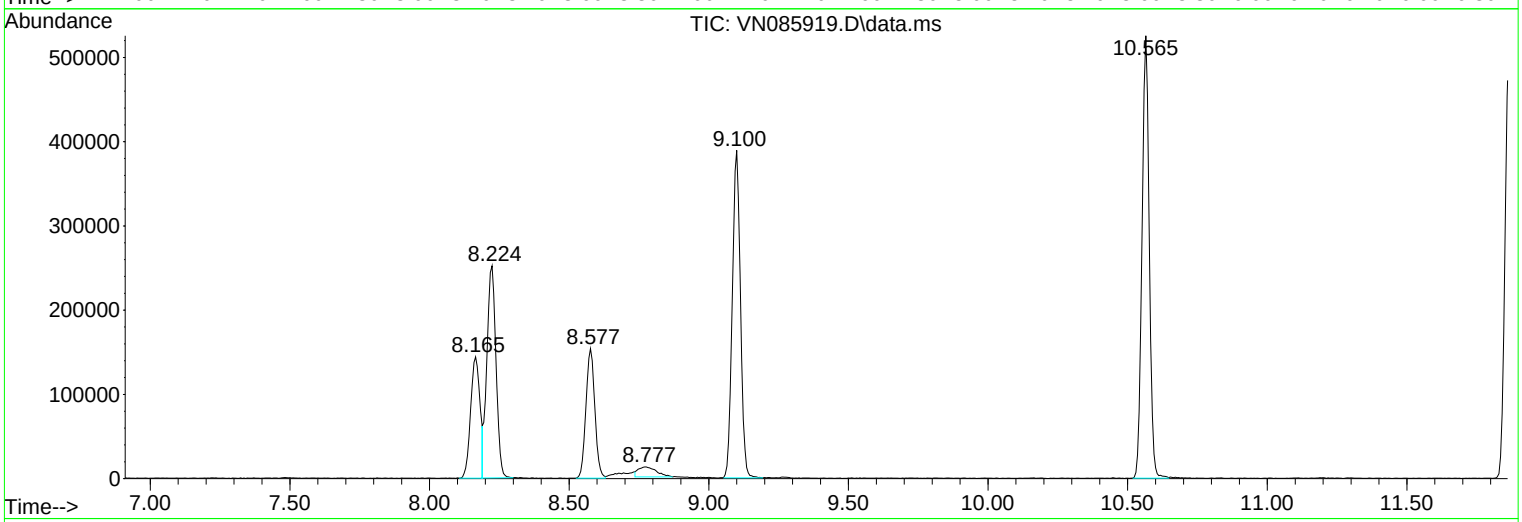
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085919.D
Acq On : 10 Mar 2025 17:11
Operator : JC\MD
Sample : Q1514-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

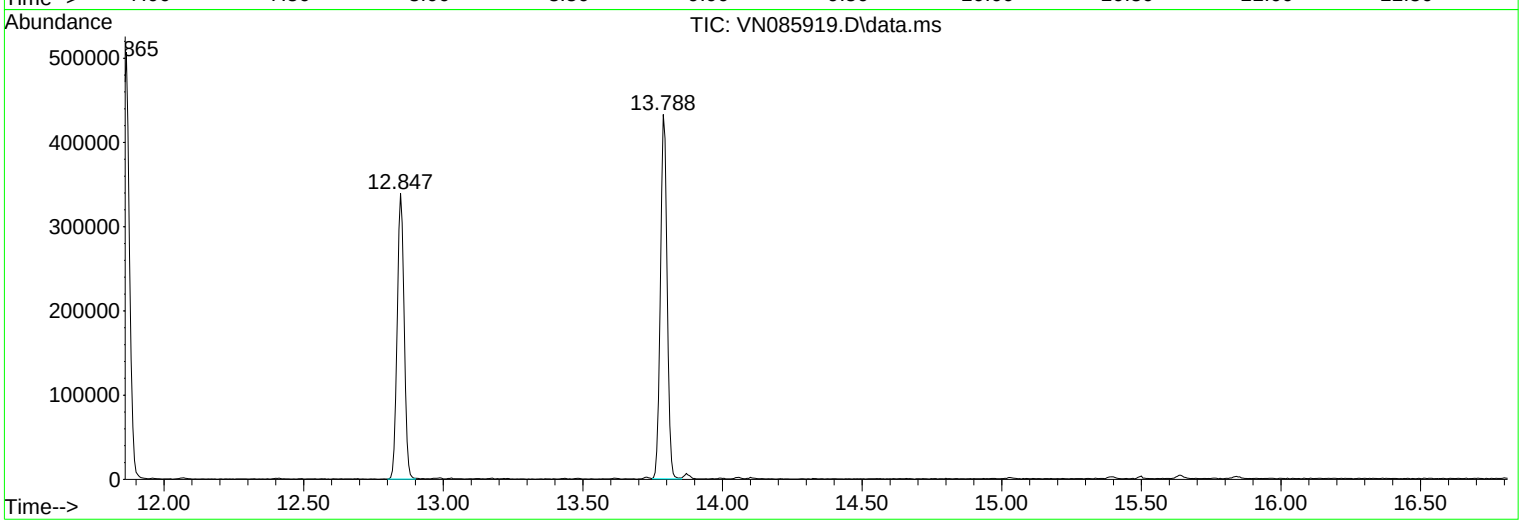
Instrument :
MSVOA_N
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085919.D
Acq On : 10 Mar 2025 17:11
Operator : JC\MD
Sample : Q1514-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.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\VN031025\
Data File : VN085919.D
Acq On : 10 Mar 2025 17:11
Operator : JC\MD
Sample : Q1514-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.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\VN031025\
Data File : VN085920.D
Acq On : 10 Mar 2025 17:35
Operator : JC\MD
Sample : Q1514-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-GW01

Quant Time: Mar 11 01:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

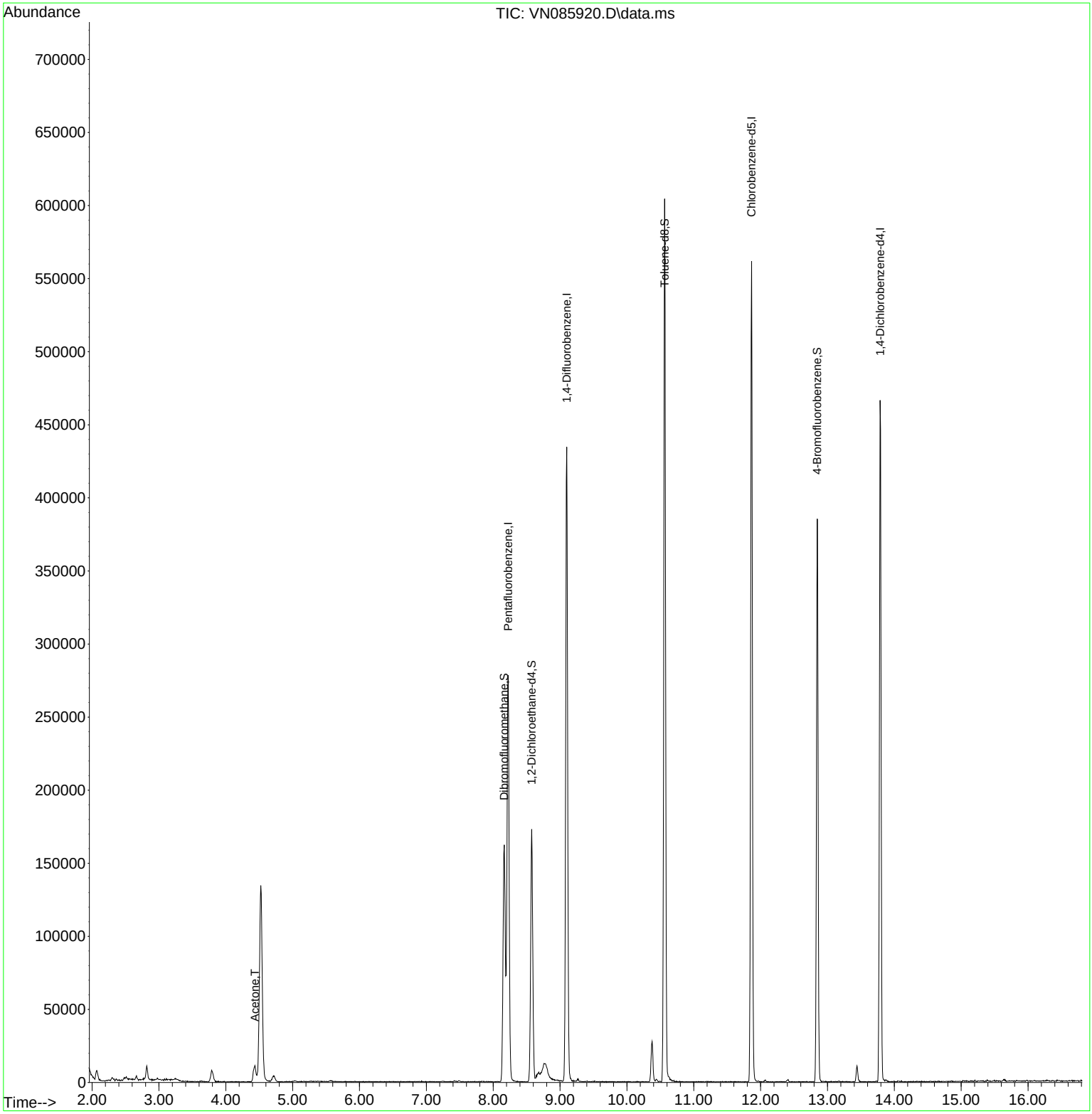
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	199177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	373736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	326066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	138417	53.603	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.200%			
35) Dibromofluoromethane	8.165	113	118331	48.386	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.780%			
50) Toluene-d8	10.565	98	424658	47.727	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.460%			
62) 4-Bromofluorobenzene	12.847	95	137377	46.861	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.720%			
Target Compounds						Qvalue
16) Acetone	4.436	43	21342	26.120	ug/l	97

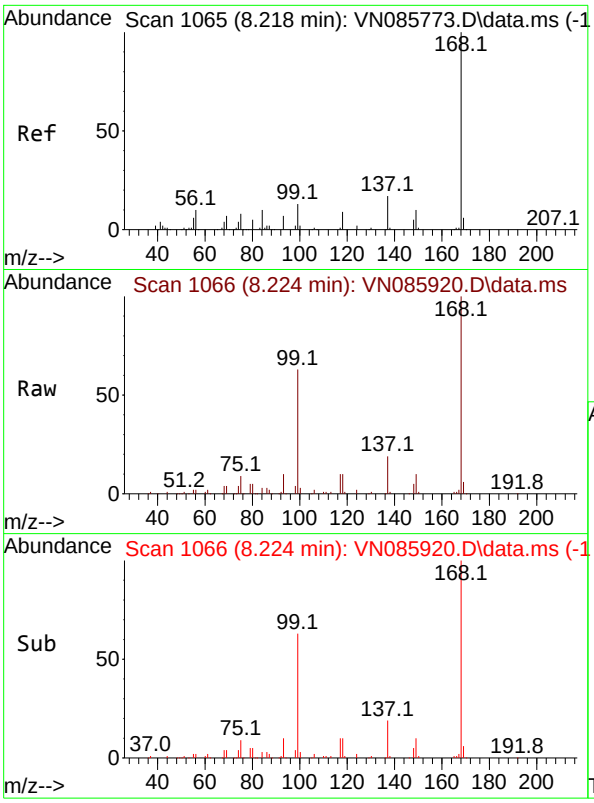
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085920.D
Acq On : 10 Mar 2025 17:35
Operator : JC\MD
Sample : Q1514-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-GW01

Quant Time: Mar 11 01:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



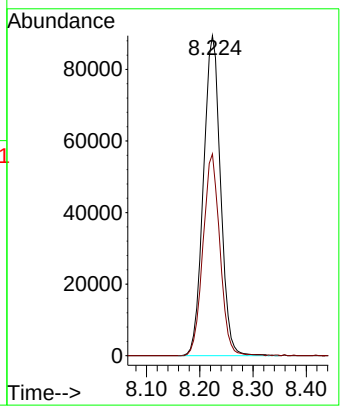


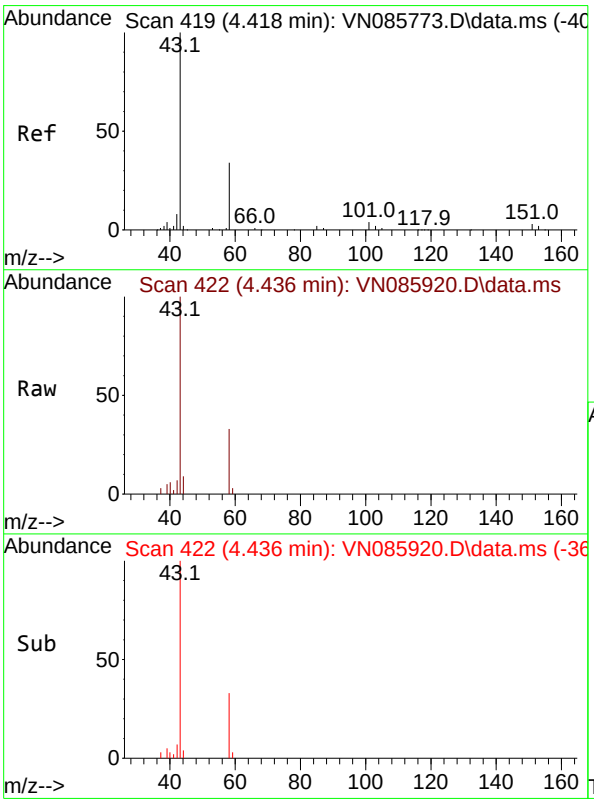
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-GW01

Tgt Ion:168 Resp: 199177

Ion	Ratio	Lower	Upper
168	100		
99	63.1	47.9	71.9

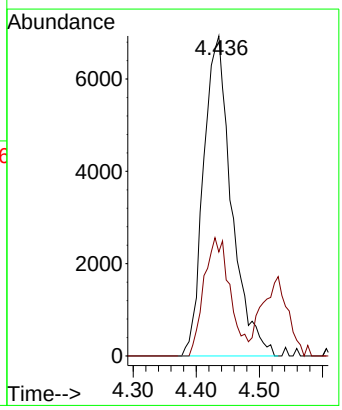


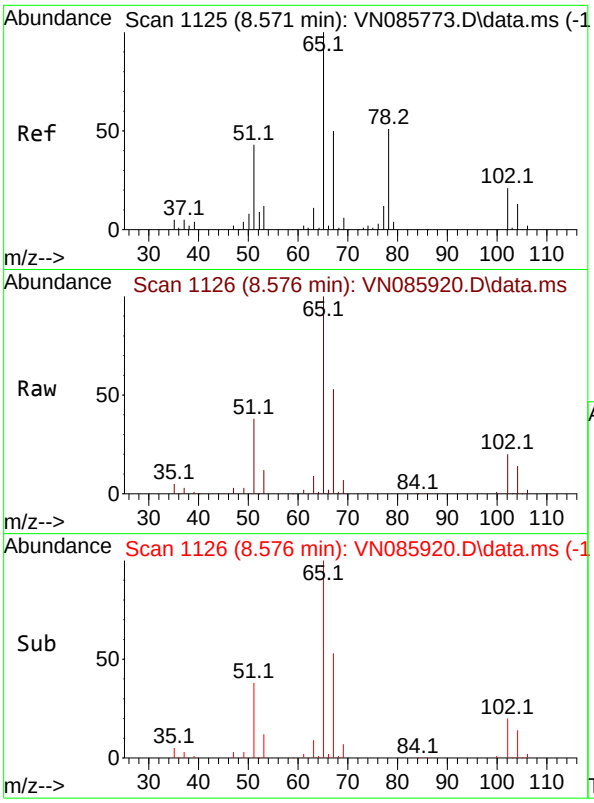


#16
Acetone
Concen: 26.120 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.017 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Tgt Ion: 43 Resp: 21342

Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.5	41.3



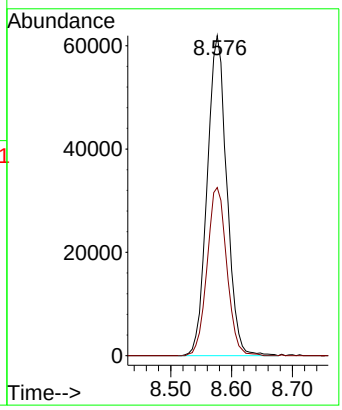


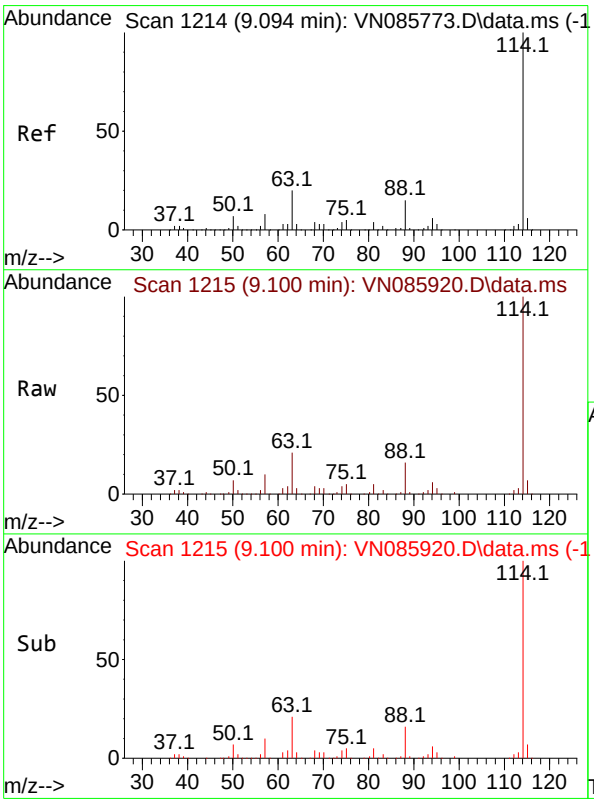
#33
1,2-Dichloroethane-d4
Concen: 53.603 ug/l
RT: 8.576 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-GW01

Tgt Ion: 65 Resp: 138417

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2

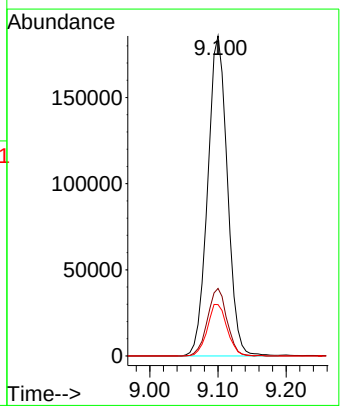


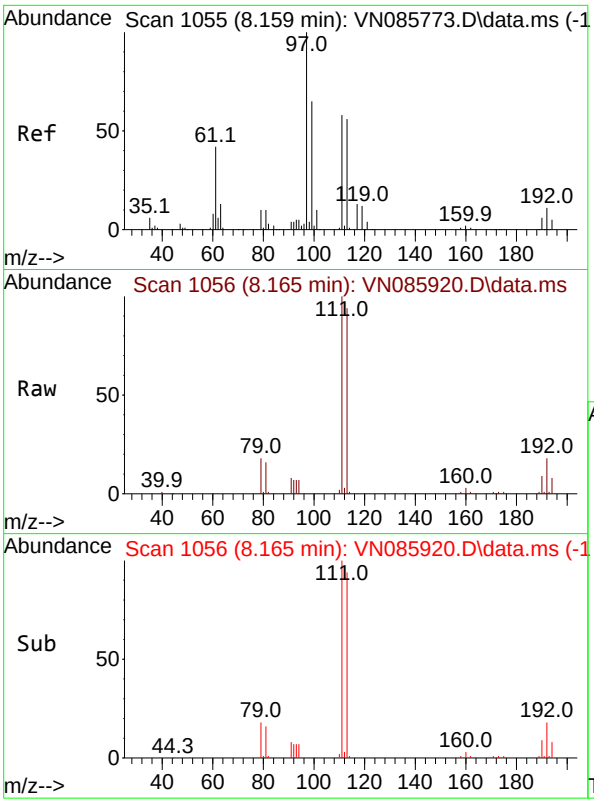


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Tgt Ion:114 Resp: 373736

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.2
88	16.1	0.0	30.0



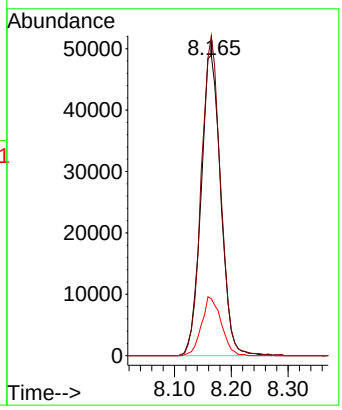


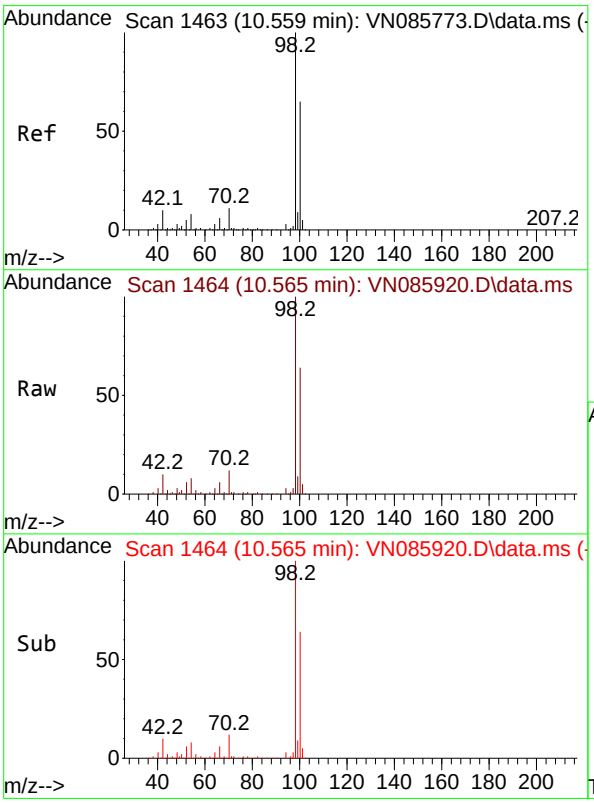
#35
Dibromofluoromethane
Concen: 48.386 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-GW01

Tgt Ion:113 Resp: 118331

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	19.4	14.7	22.1

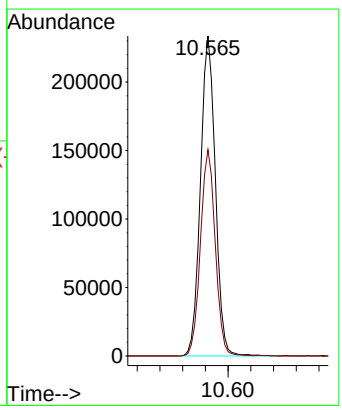




#50
Toluene-d8
Concen: 47.727 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

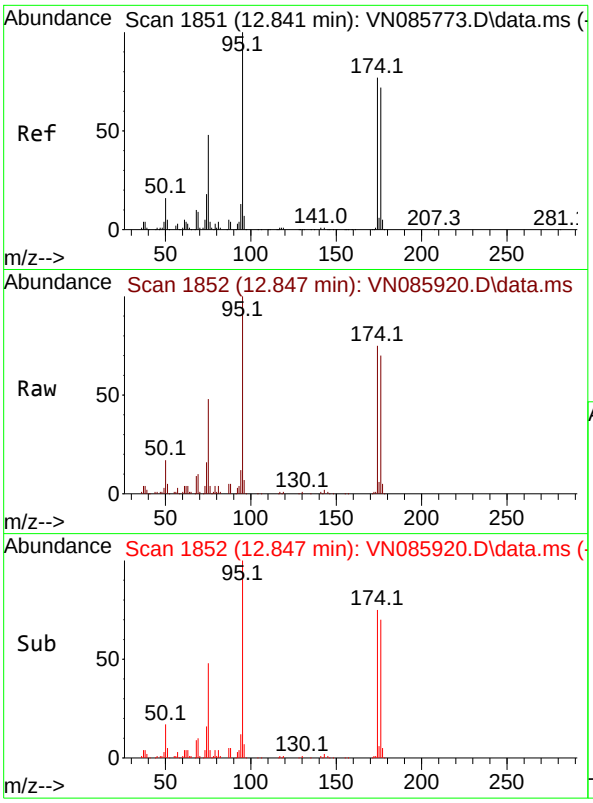
Tgt Ion: 98 Resp: 424658

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1



5

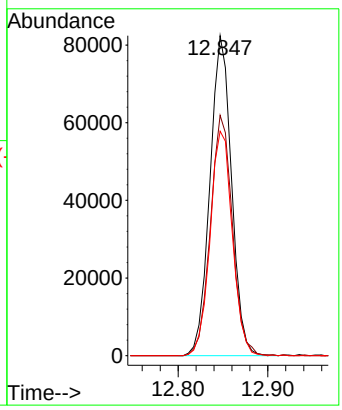
Instrument :
MSVOA_N
ClientSampleId :
ENV-103-GW01

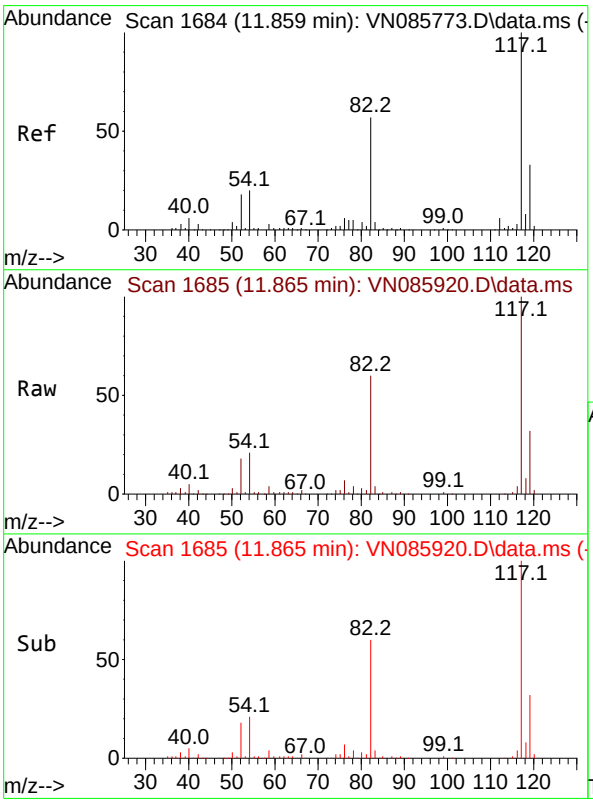


#62
4-Bromofluorobenzene
Concen: 46.861 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Tgt Ion: 95 Resp: 137377

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	152.4
176	72.3	0.0	146.6

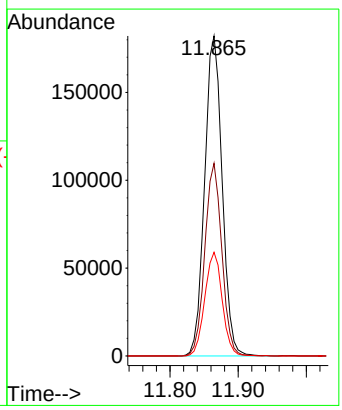


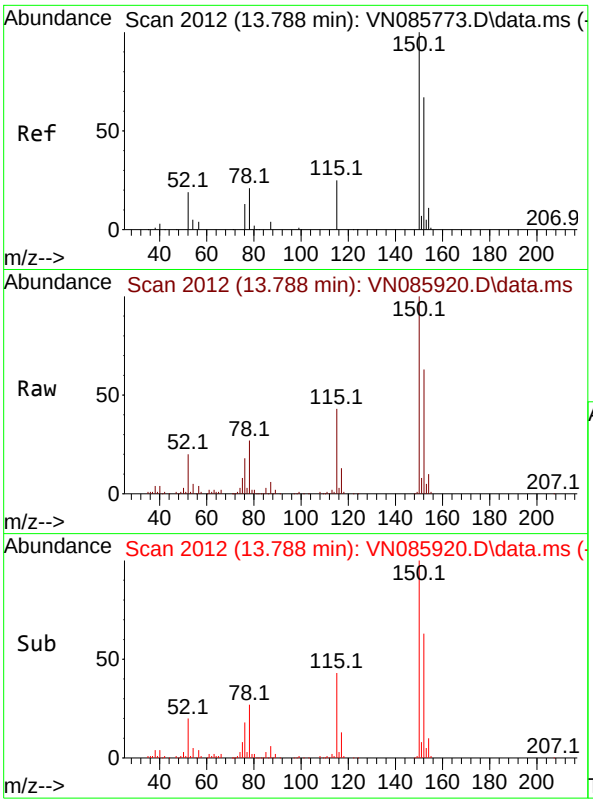


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Tgt Ion:117 Resp: 326066

Ion	Ratio	Lower	Upper
117	100		
82	60.2	45.7	68.5
119	32.4	26.2	39.2



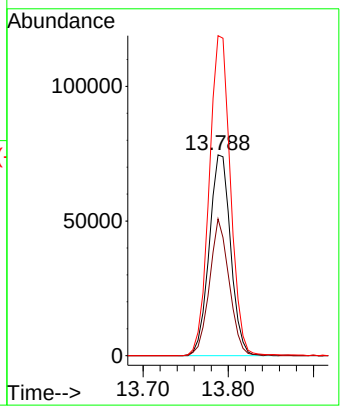


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-GW01

Tgt Ion:152 Resp: 130206

Ion	Ratio	Lower	Upper
152	100		
115	62.6	30.4	91.3
150	158.3	0.0	345.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085920.D
Acq On : 10 Mar 2025 17:35
Operator : JC\MD
Sample : Q1514-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-GW01

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\82N021825W.M
Title : SW846 8260

Signal : TIC: VN085920.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.071	15	20	26	rVB6	6614	14181	1.29%	0.224%
2	2.818	142	147	154	rVB3	9277	16374	1.49%	0.259%
3	3.789	304	312	322	rVB	8122	22052	2.01%	0.348%
4	4.436	411	422	427	rBV2	11376	32419	2.95%	0.512%
5	4.524	427	437	454	rVB2	133889	391867	35.69%	6.189%
6	8.165	1044	1056	1060	rBV	162247	378079	34.43%	5.972%
7	8.224	1060	1066	1077	rVB	277134	626072	57.02%	9.889%
8	8.576	1116	1126	1134	rBV	172737	376625	34.30%	5.949%
9	9.100	1204	1215	1231	rVB	434044	873552	79.56%	13.797%
10	10.376	1423	1432	1440	rBV2	27582	55178	5.03%	0.872%
11	10.565	1456	1464	1475	rBV	604383	1097992	100.00%	17.342%
12	11.865	1677	1685	1697	rBV	561434	989269	90.10%	15.625%
13	12.847	1845	1852	1863	rBV	385235	649305	59.14%	10.255%
14	13.441	1947	1953	1961	rVB2	10906	18740	1.71%	0.296%
15	13.788	2005	2012	2021	rBV	466378	789600	71.91%	12.471%

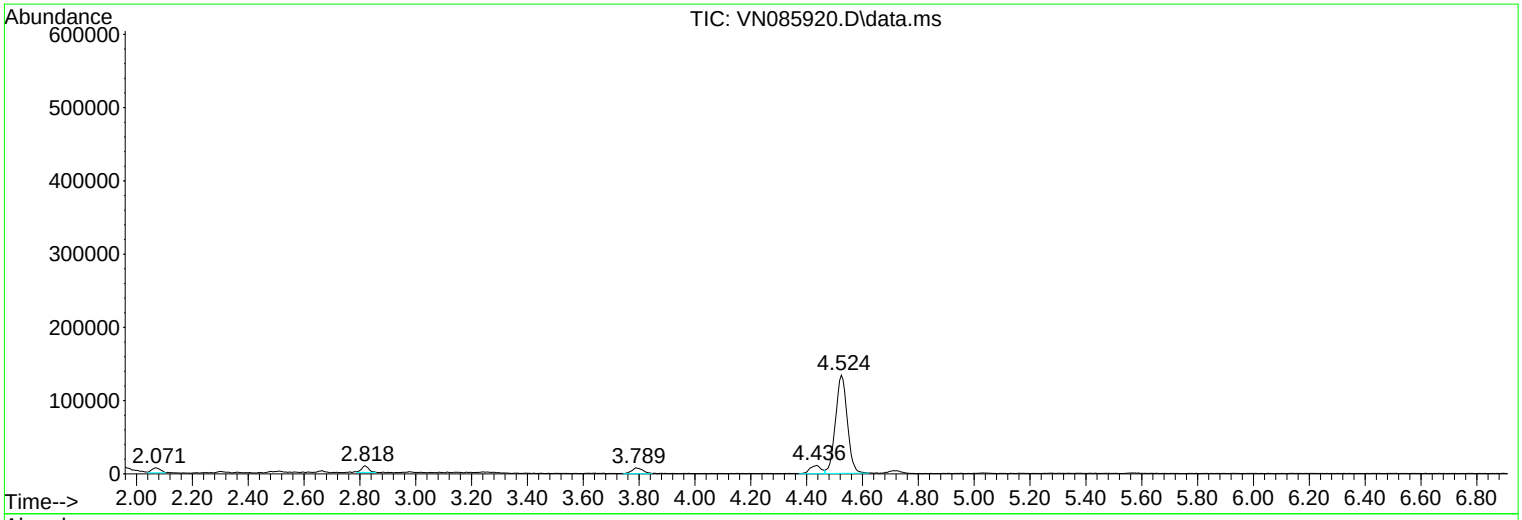
Sum of corrected areas: 6331305

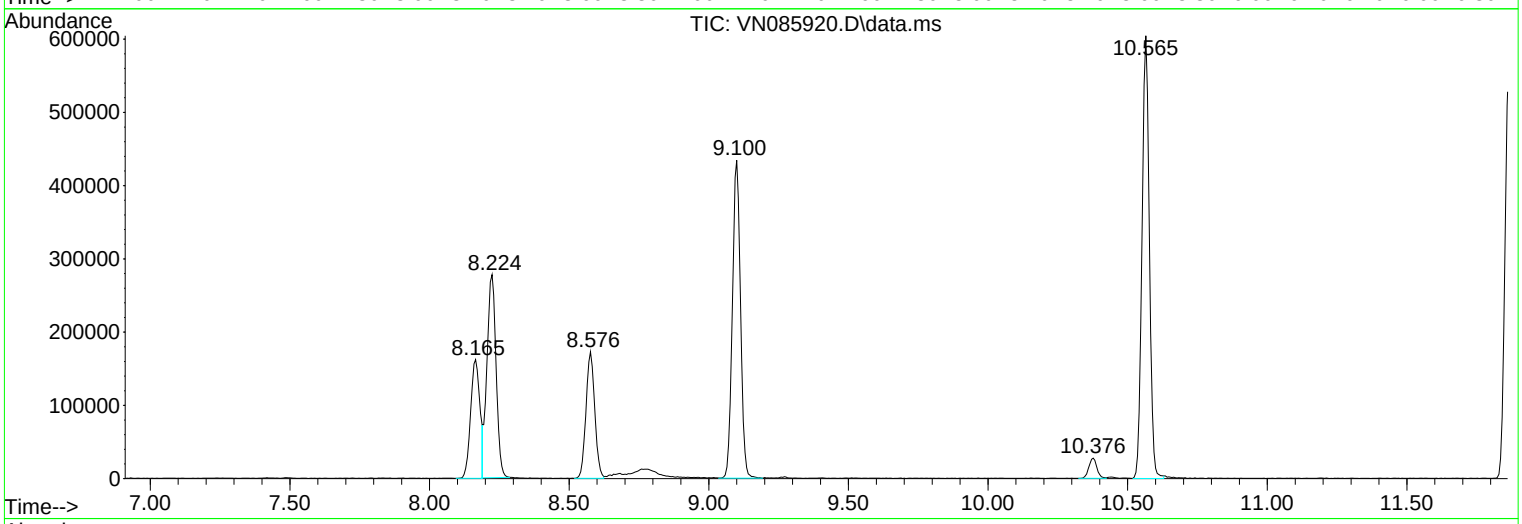
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085920.D
Acq On : 10 Mar 2025 17:35
Operator : JC\MD
Sample : Q1514-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

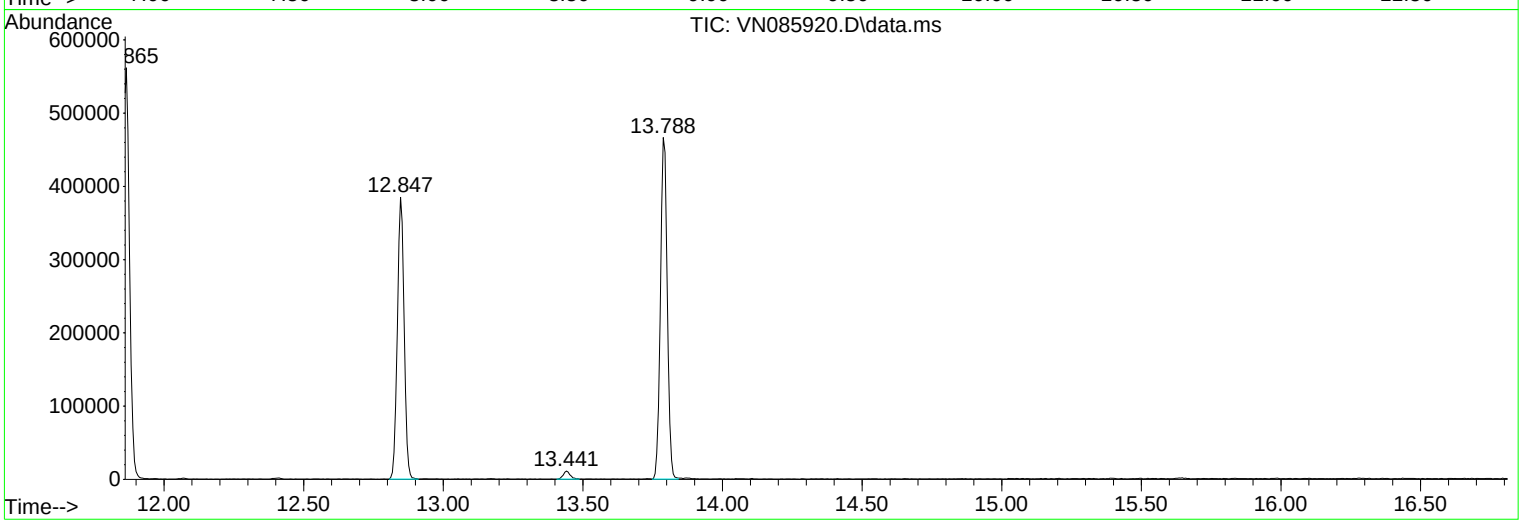
Instrument :
MSVOA_N
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085920.D
Acq On : 10 Mar 2025 17:35
Operator : JC\MD
Sample : Q1514-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-GW01

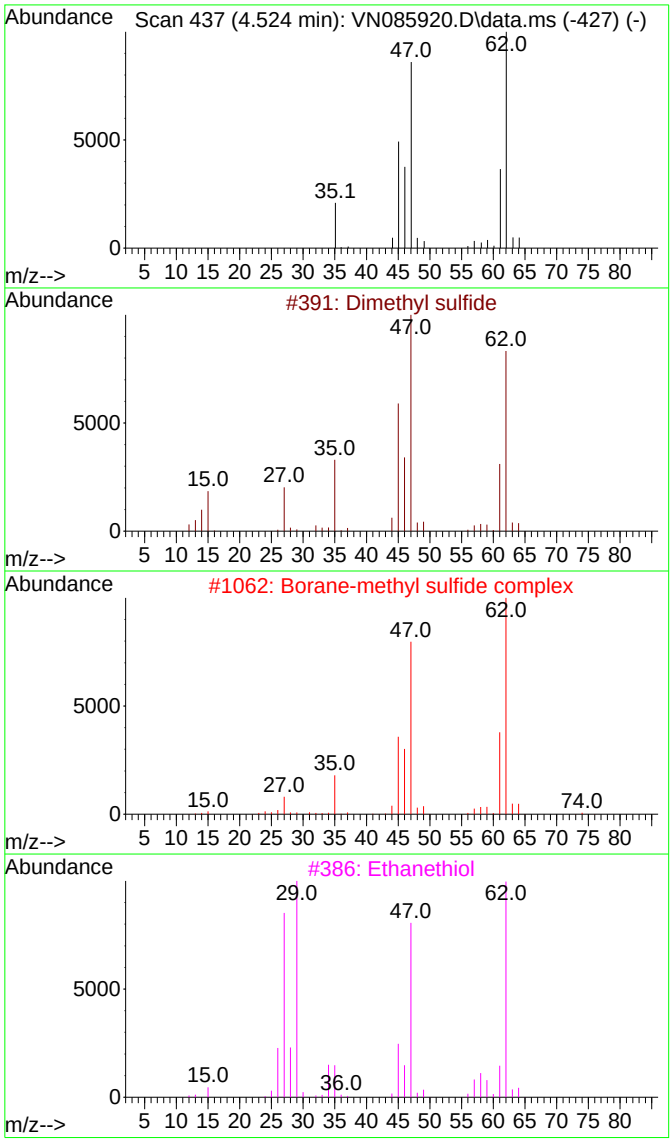
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

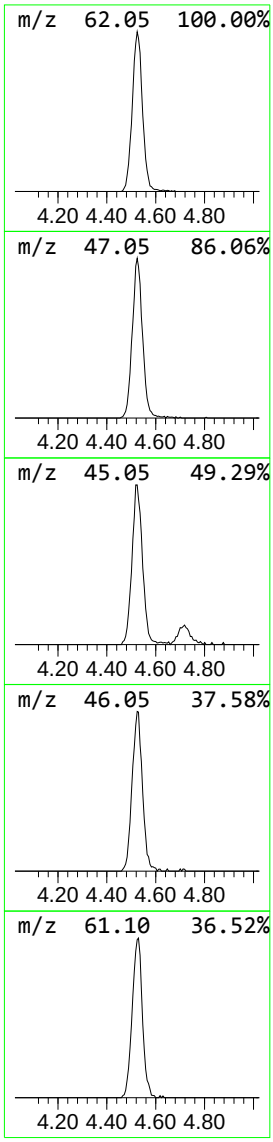
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Dimethyl sulfide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.524	31.30 ug/l	391867	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	95
2	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	90
3	Ethanethiol	62	C2H6S	000075-08-1	86
4	Ethene, chloro-	62	C2H3Cl	000075-01-4	38
5	Phosphine, ethyl-	62	C2H7P	000593-68-0	5





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085920.D
Acq On : 10 Mar 2025 17:35
Operator : JC\MD
Sample : Q1514-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.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
Dimethyl sulfide	4.524	31.3	ug/l	391867	1	8.224	626072	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085934.D
Acq On : 11 Mar 2025 16:16
Operator : JC\MD
Sample : Q1514-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB03062025

Quant Time: Mar 12 01:23:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

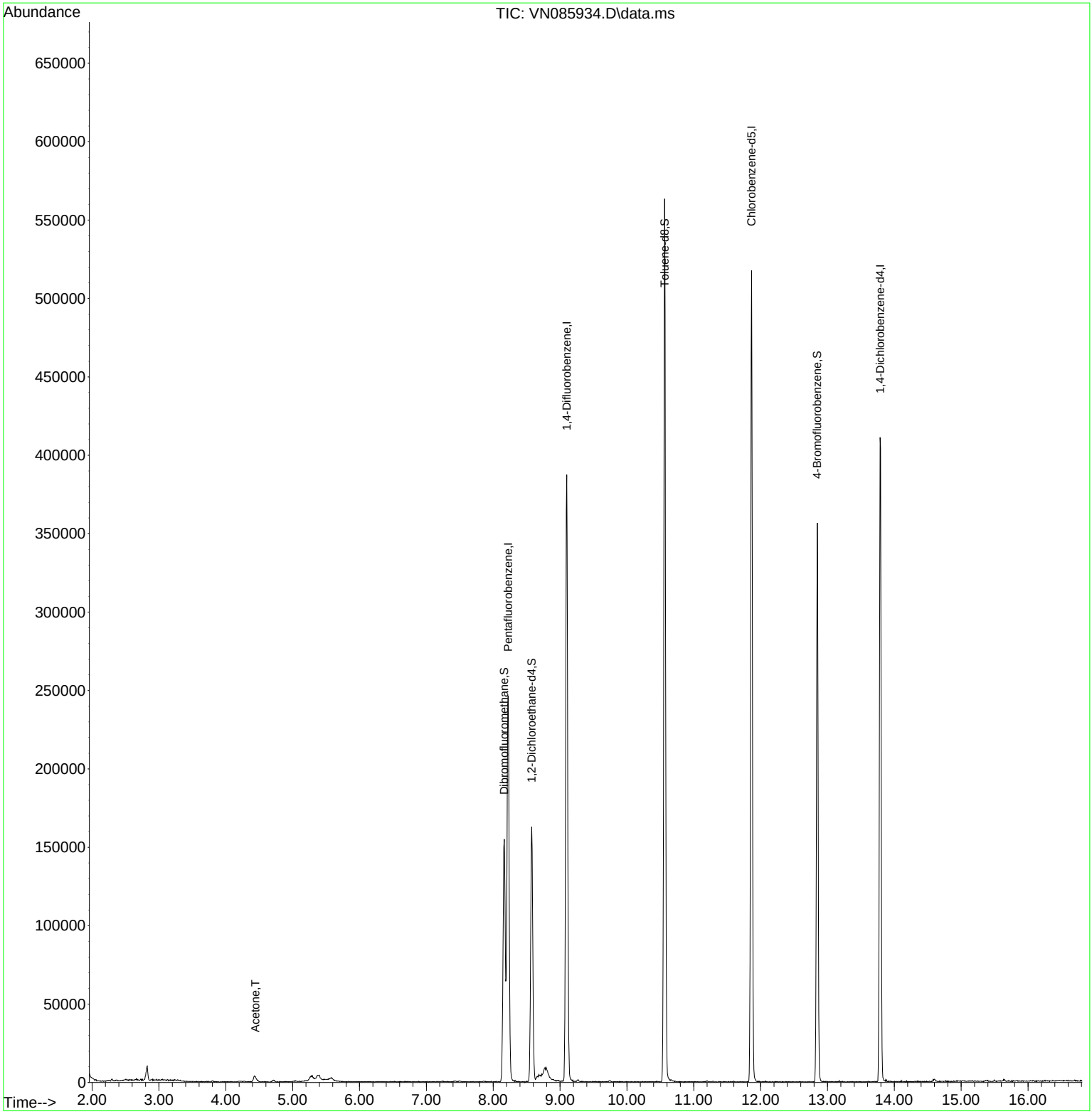
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	176702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	336260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	299219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134504	58.713	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.420%			
35) Dibromofluoromethane	8.165	113	112664	51.203	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.400%			
50) Toluene-d8	10.565	98	387134	48.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.720%			
62) 4-Bromofluorobenzene	12.847	95	125306	47.507	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.020%			
Target Compounds						Qvalue
16) Acetone	4.442	43	7216	9.955	ug/l	95

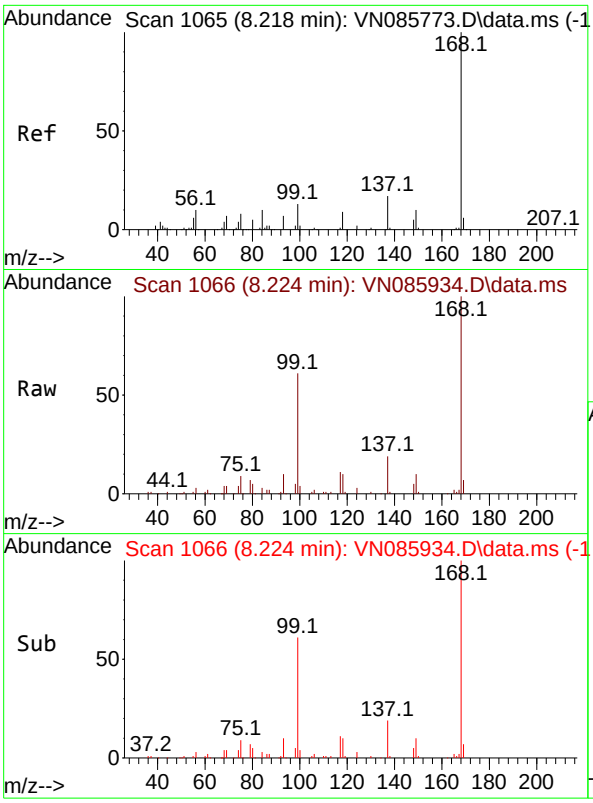
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085934.D
Acq On : 11 Mar 2025 16:16
Operator : JC\MD
Sample : Q1514-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB03062025

Quant Time: Mar 12 01:23:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



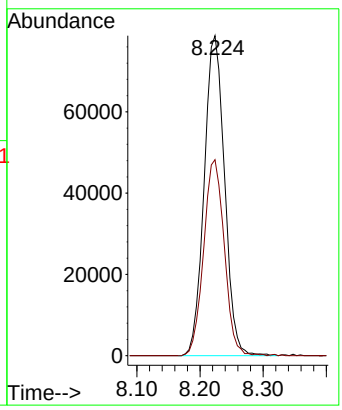


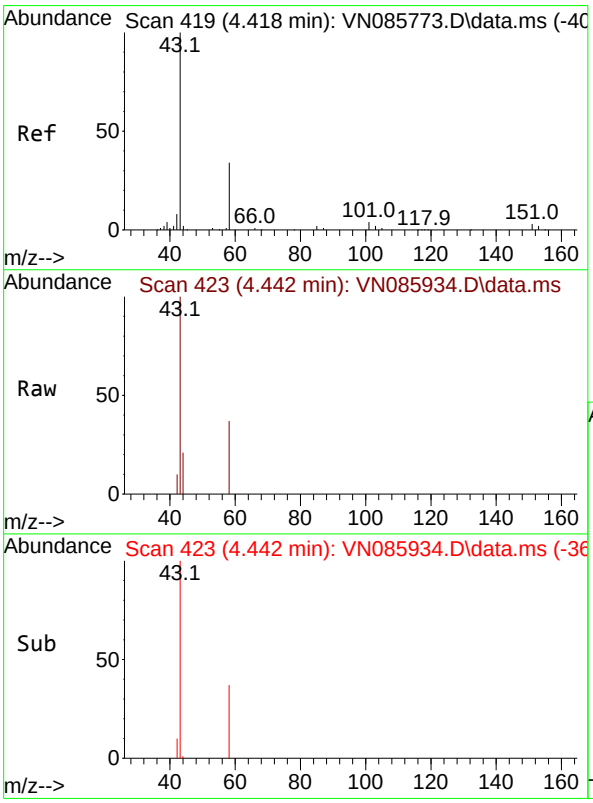
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
FB03062025

Tgt Ion:168 Resp: 176702

Ion	Ratio	Lower	Upper
168	100		
99	61.2	47.9	71.9

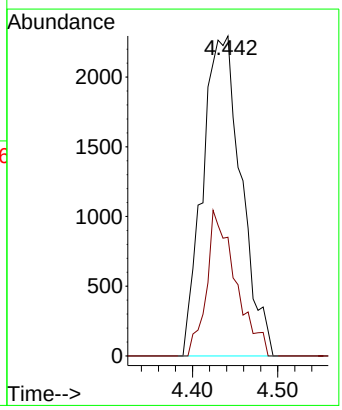




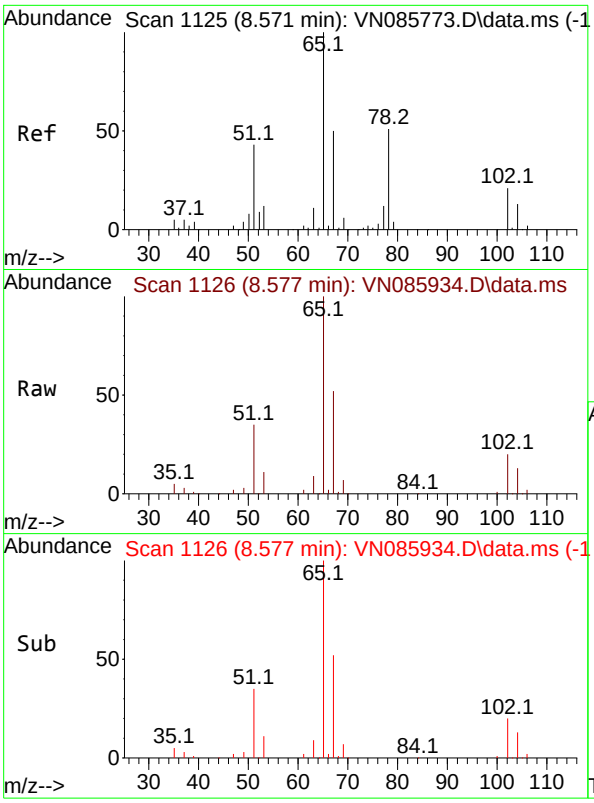
#16
Acetone
Concen: 9.955 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.024 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Tgt Ion: 43 Resp: 7216

Ion	Ratio	Lower	Upper
43	100		
58	37.1	27.5	41.3



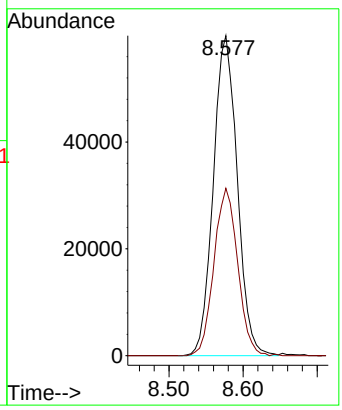
Instrument :
MSVOA_N
ClientSampleId :
FB03062025

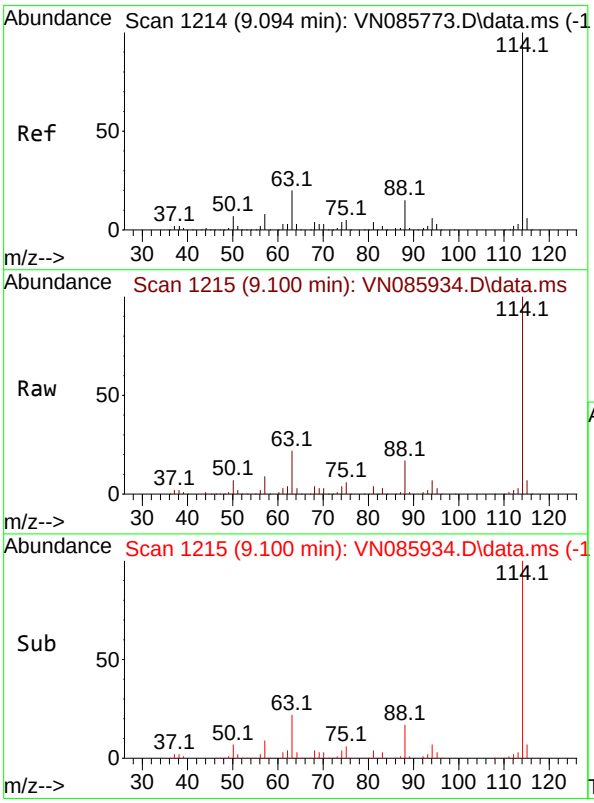


#33
1,2-Dichloroethane-d4
Concen: 58.713 ug/l
RT: 8.577 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Tgt Ion: 65 Resp: 134504

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	106.2

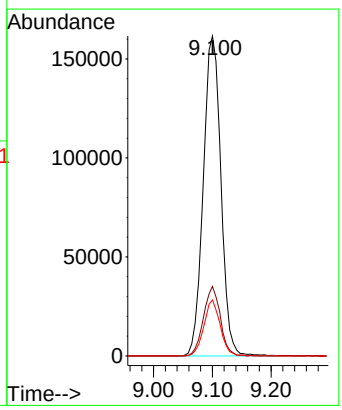


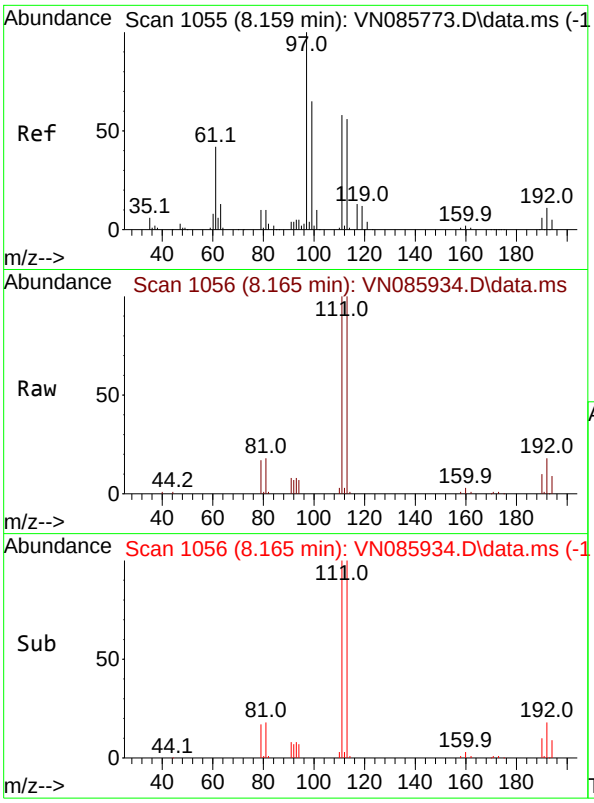


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Tgt Ion:114 Resp: 336260

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	39.2
88	17.5	0.0	30.0



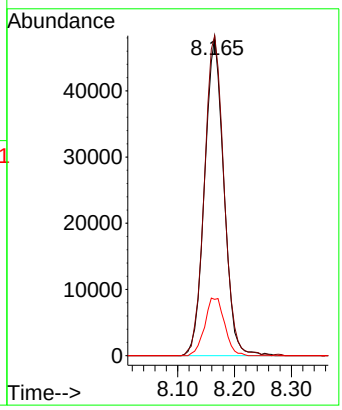


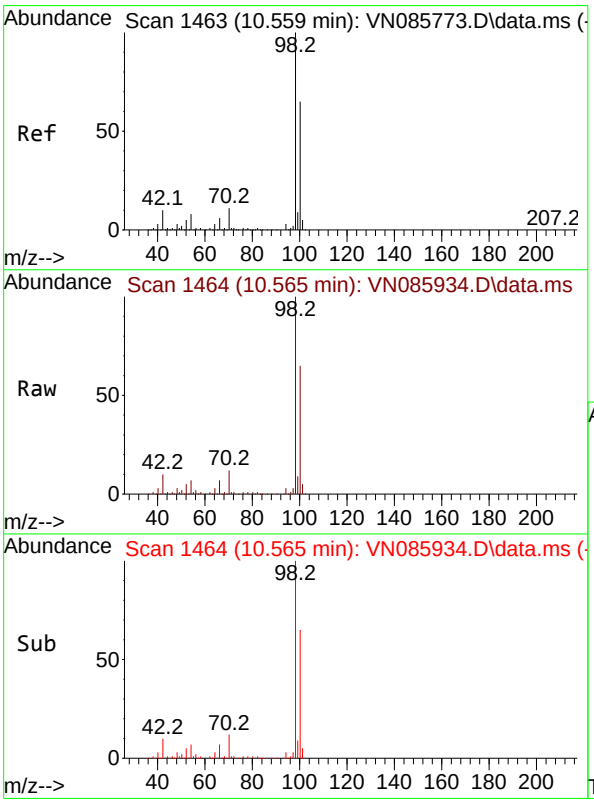
#35
Dibromofluoromethane
Concen: 51.203 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
FB03062025

Tgt Ion:113 Resp: 112664

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	18.7	14.7	22.1

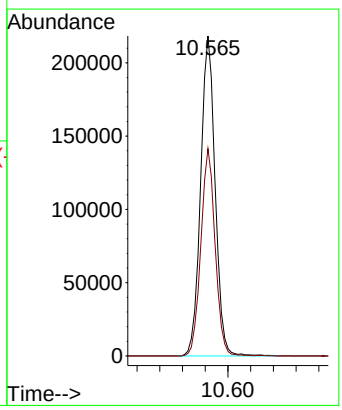


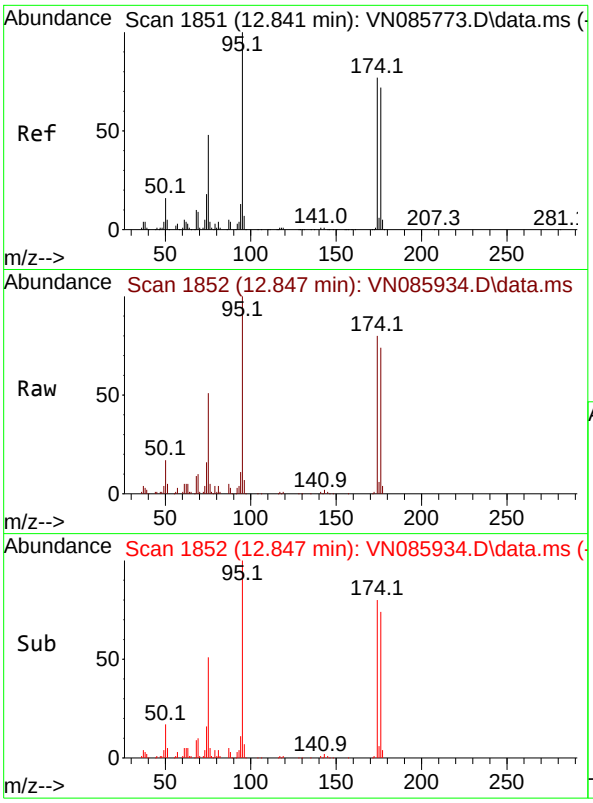


#50
Toluene-d8
Concen: 48.359 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Tgt Ion: 98 Resp: 387134

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.1	78.1



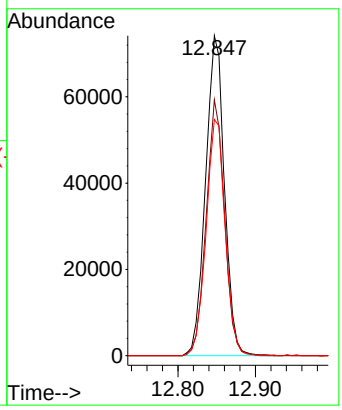


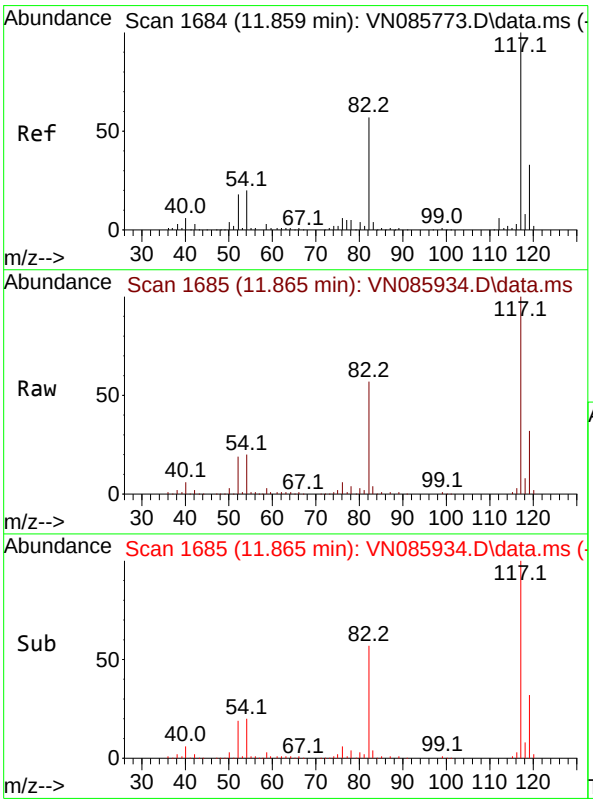
#62
4-Bromofluorobenzene
Concen: 47.507 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
FB03062025

Tgt Ion: 95 Resp: 125306

Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	152.4
176	74.5	0.0	146.6

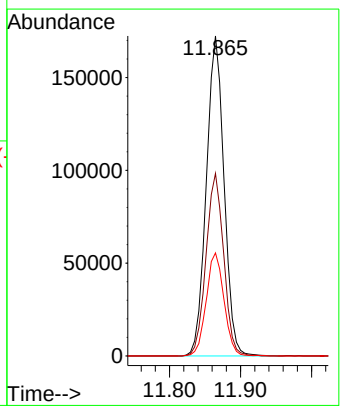


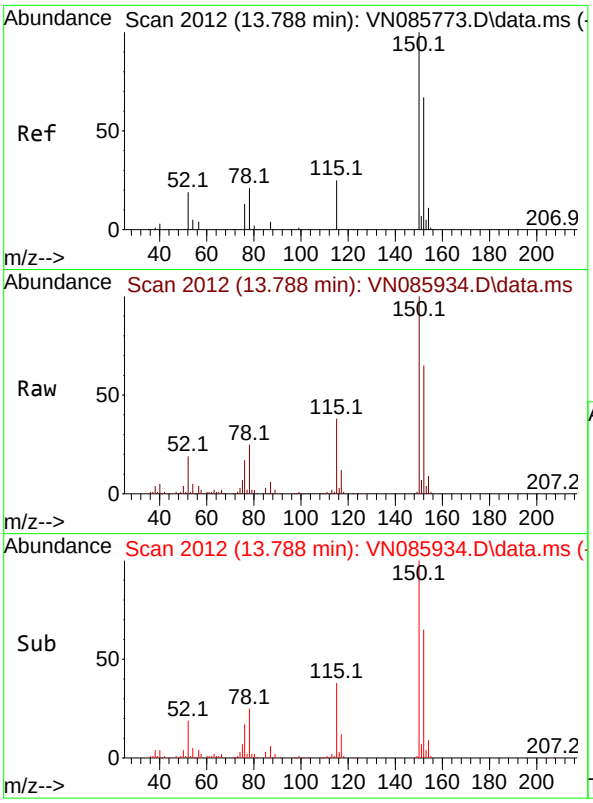


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Tgt Ion:117 Resp: 299219

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.7	68.5
119	32.2	26.2	39.2



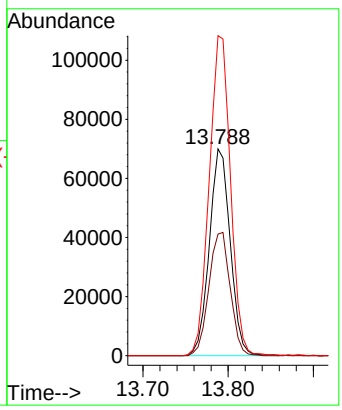


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085934.D
Acq: 11 Mar 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
FB03062025

Tgt Ion:152 Resp: 119405

Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.4	91.3
150	157.6	0.0	345.4



LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085934.D
Acq On : 11 Mar 2025 16:16
Operator : JC\MD
Sample : Q1514-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB03062025

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\82N021825W.M
Title : SW846 8260

Signal : TIC: VN085934.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.824	137	148	155	rBV3	8938	17403	1.74%	0.328%
2	4.424	414	420	429	rBV2	3828	11267	1.13%	0.212%
3	8.165	1045	1056	1060	rBV	154974	357588	35.80%	6.730%
4	8.224	1060	1066	1081	rVB	246092	563563	56.42%	10.606%
5	8.577	1116	1126	1135	rBV	162596	363170	36.36%	6.835%
6	9.100	1206	1215	1229	rBV	386816	787135	78.80%	14.813%
7	10.565	1455	1464	1478	rBV	563296	998930	100.00%	18.799%
8	11.865	1677	1685	1698	rBV	517538	902103	90.31%	16.977%
9	12.847	1845	1852	1866	rVB	356545	598425	59.91%	11.262%
10	13.788	2005	2012	2022	rBV	410861	714088	71.49%	13.439%

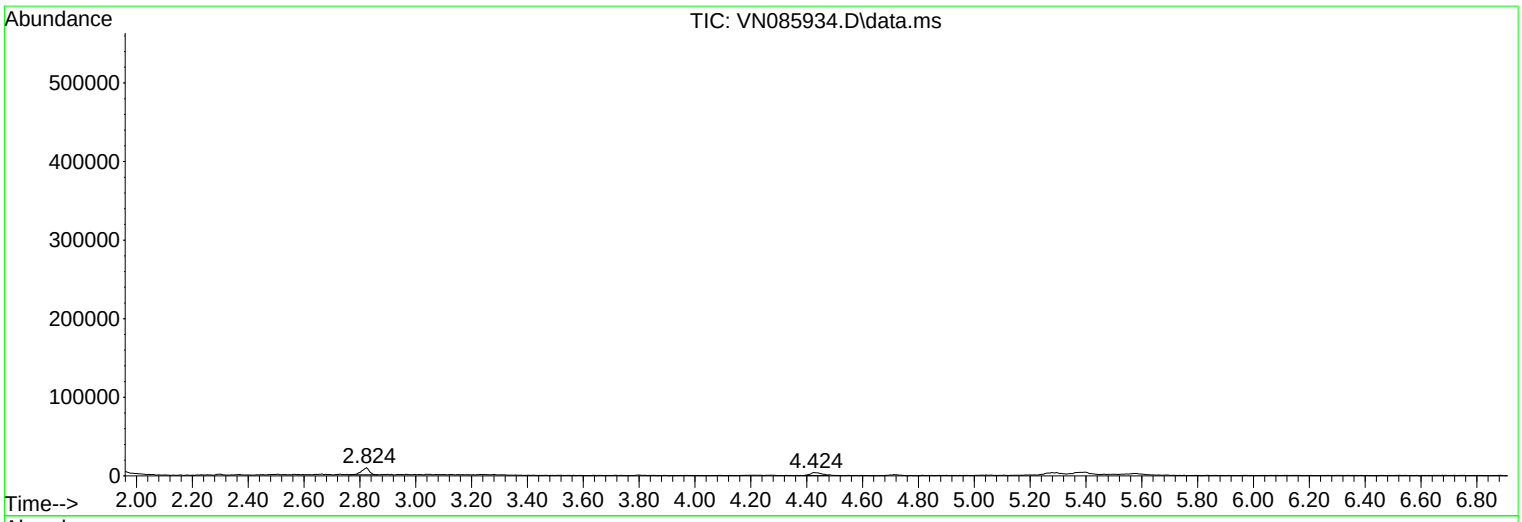
Sum of corrected areas: 5313672

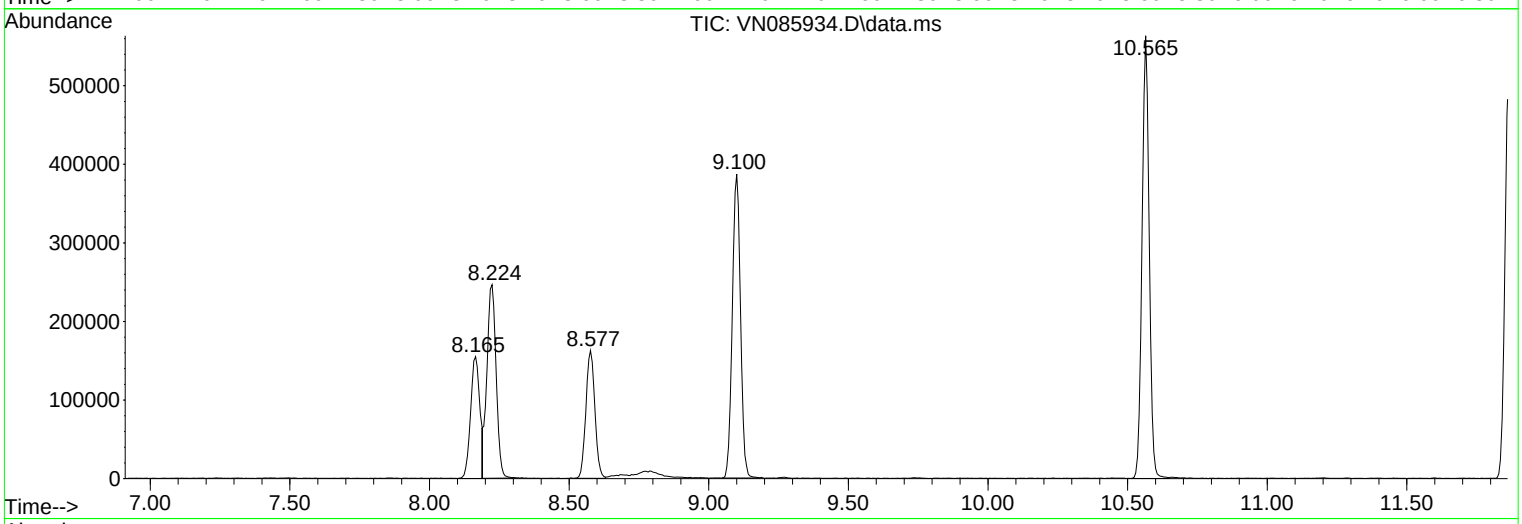
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085934.D
Acq On : 11 Mar 2025 16:16
Operator : JC\MD
Sample : Q1514-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

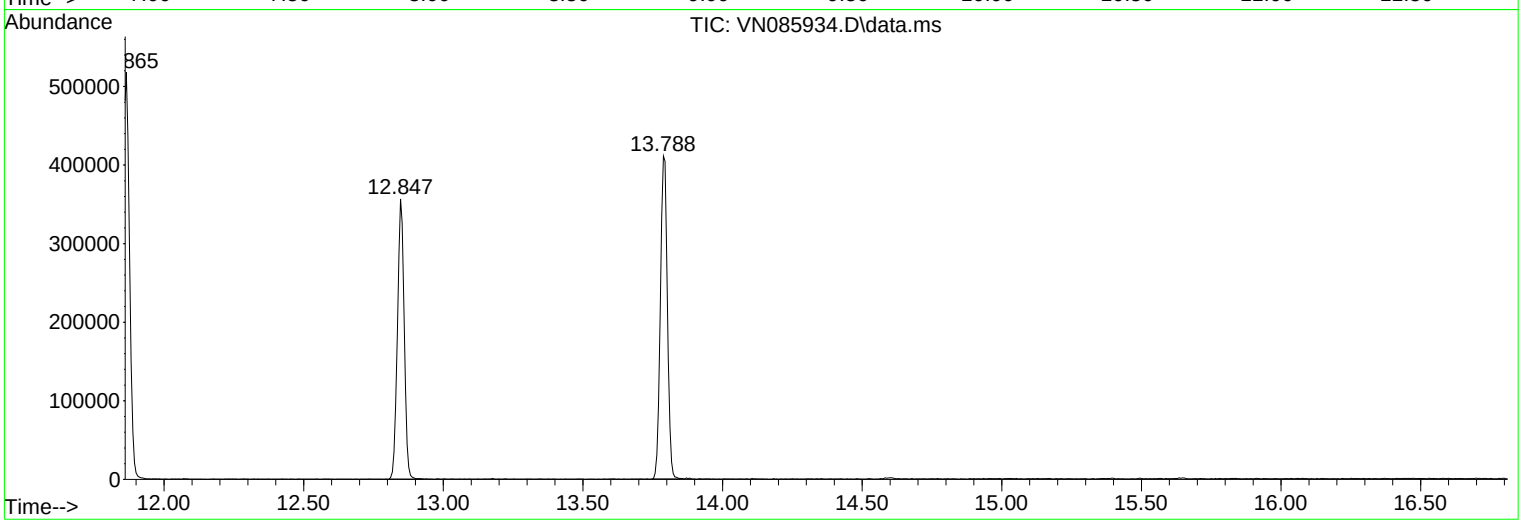
Instrument :
MSVOA_N
ClientSampleId :
FB03062025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085934.D
Acq On : 11 Mar 2025 16:16
Operator : JC\MD
Sample : Q1514-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB03062025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085934.D
Acq On : 11 Mar 2025 16:16
Operator : JC\MD
Sample : Q1514-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FB03062025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.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\VN031025\
Data File : VN085922.D
Acq On : 10 Mar 2025 18:23
Operator : JC\MD
Sample : Q1514-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB03062025

Quant Time: Mar 11 01:41:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	185446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	343862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	305300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134170	55.806	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.620%			
35) Dibromofluoromethane	8.165	113	111966	49.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.520%			
50) Toluene-d8	10.565	98	392872	47.991	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.980%			
62) 4-Bromofluorobenzene	12.847	95	128707	47.718	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.440%			

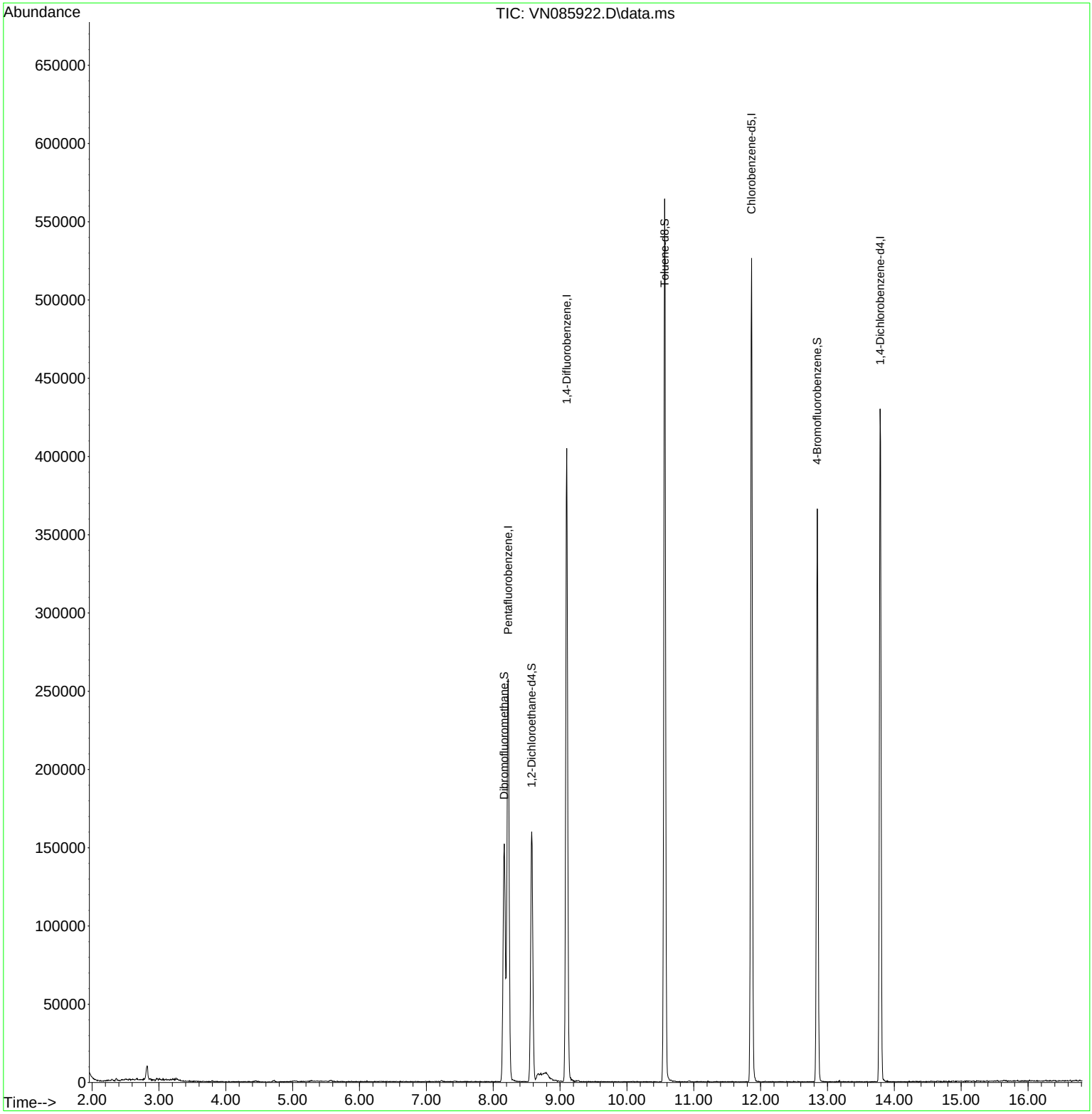
Target Compounds Qvalue

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

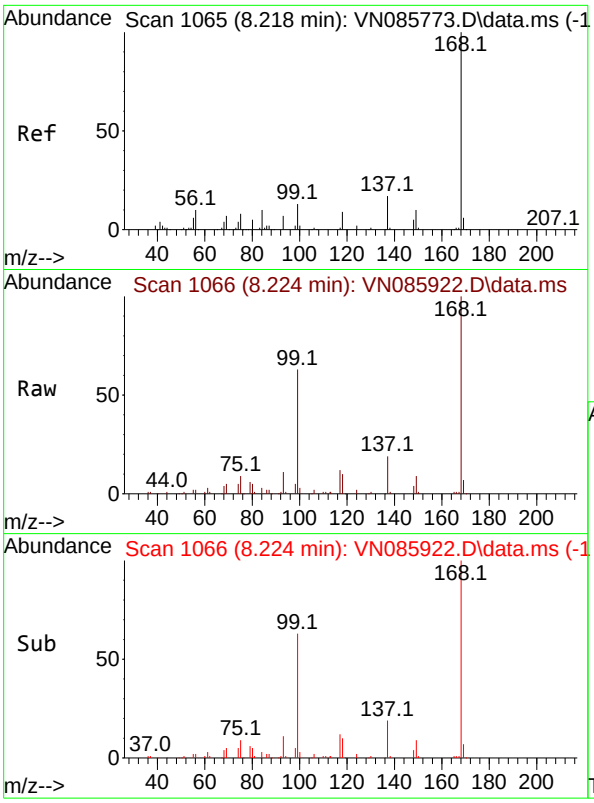
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085922.D
Acq On : 10 Mar 2025 18:23
Operator : JC\MD
Sample : Q1514-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB03062025

Quant Time: Mar 11 01:41:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



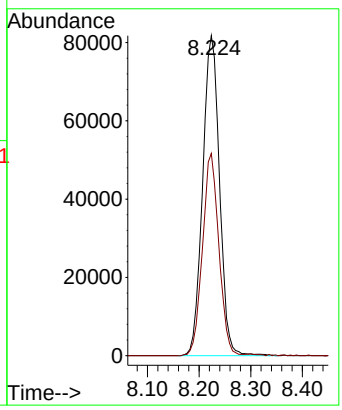
Instrument :
MSVOA_N
ClientSampleId :
TB03062025

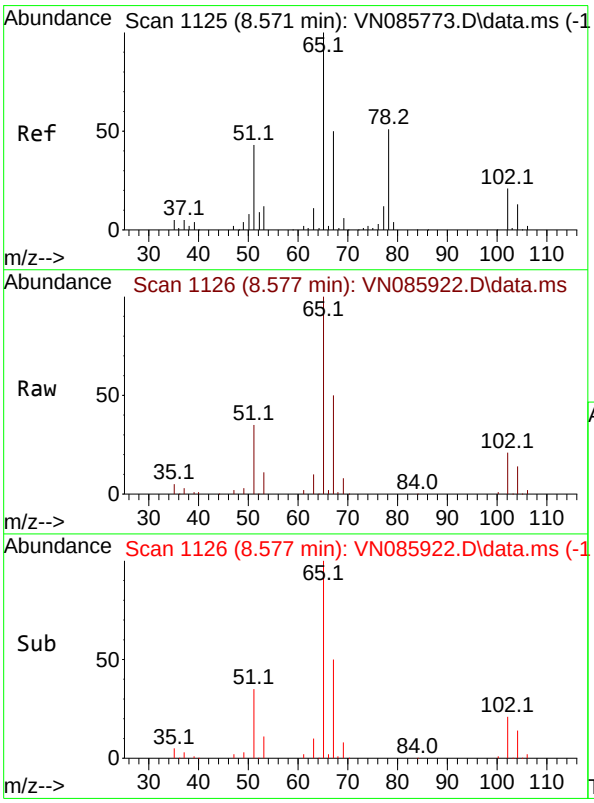


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

Tgt Ion:168 Resp: 185446

Ion	Ratio	Lower	Upper
168	100		
99	63.2	47.9	71.9

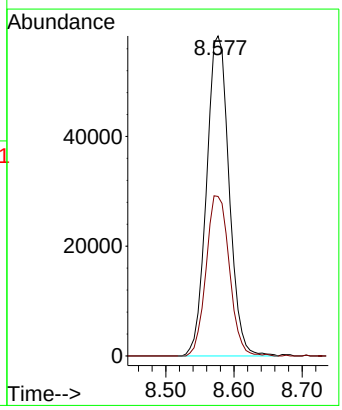




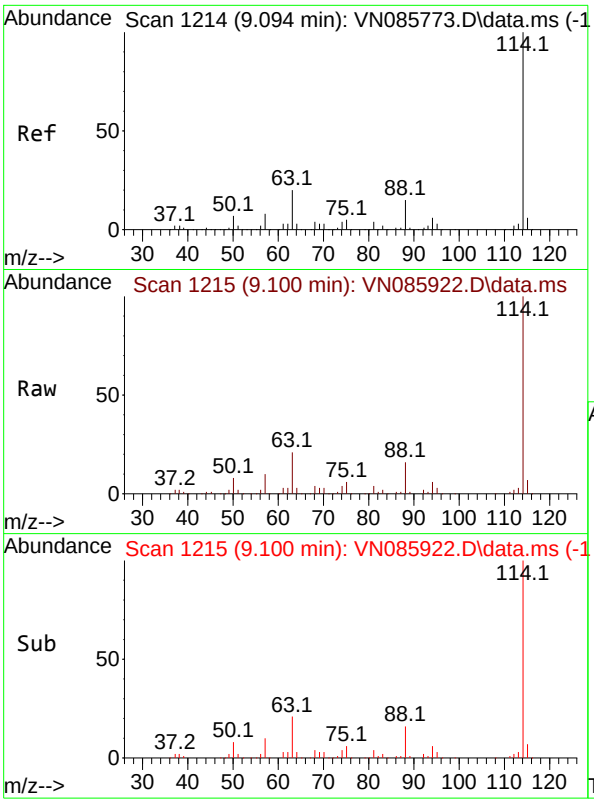
#33
1,2-Dichloroethane-d4
Concen: 55.806 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

Tgt Ion: 65 Resp: 134170

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.2



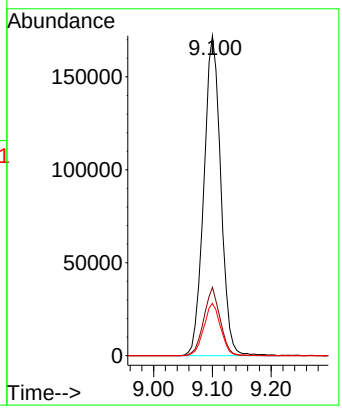
Instrument :
MSVOA_N
ClientSampleId :
TB03062025

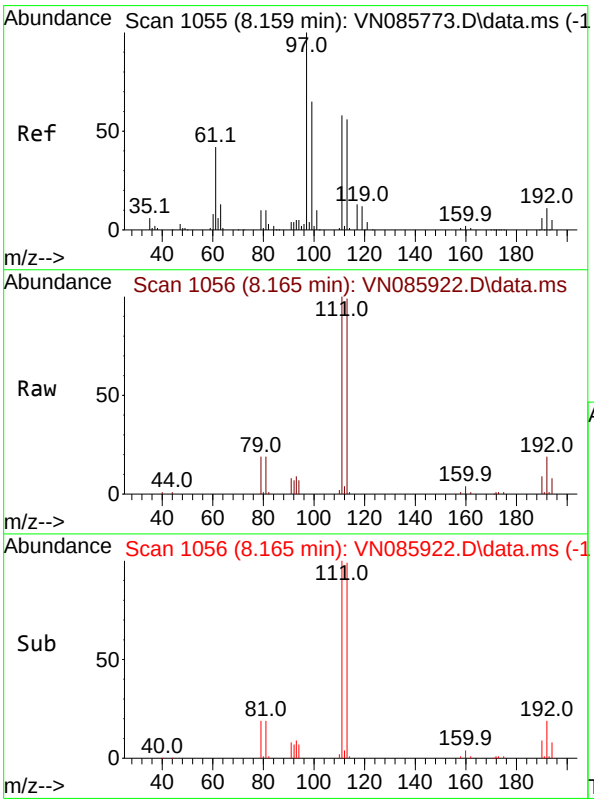


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

Tgt Ion:114 Resp: 343862

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	39.2
88	16.4	0.0	30.0

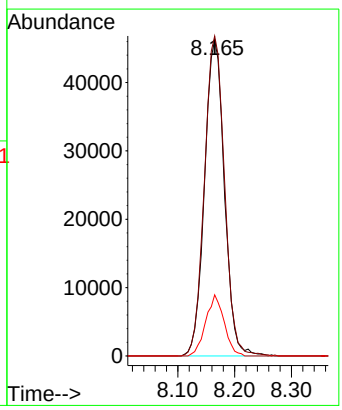


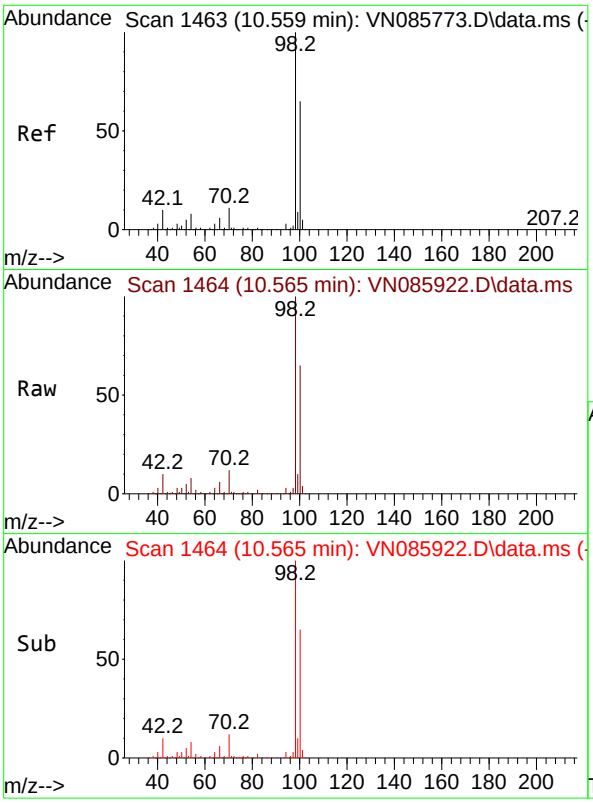


#35
Dibromofluoromethane
Concen: 49.761 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

Tgt Ion:113 Resp: 111966

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	18.0	14.7	22.1



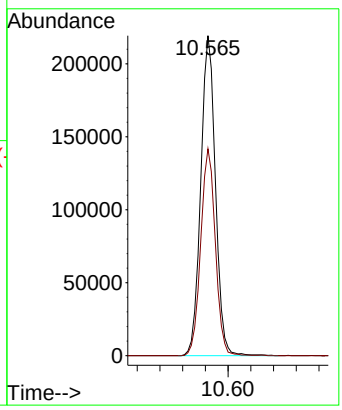


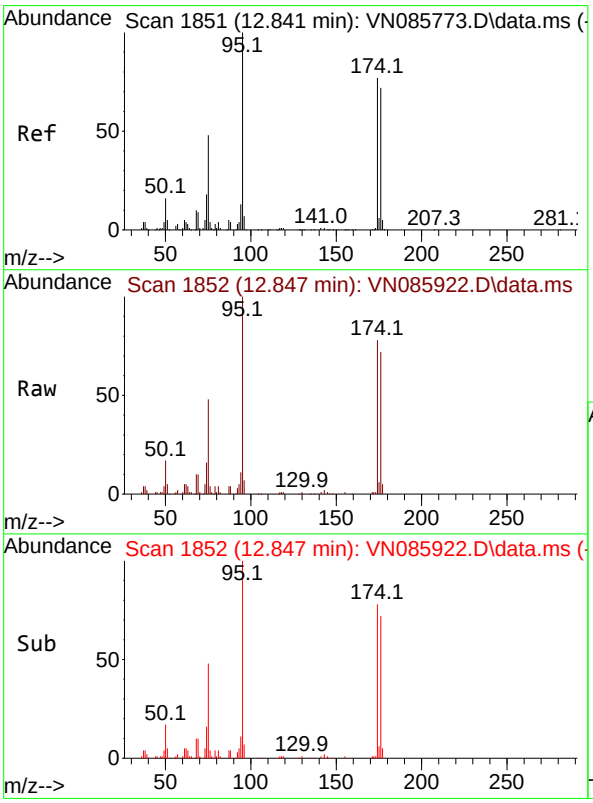
#50
Toluene-d8
Concen: 47.991 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

Instrument :
MSVOA_N
ClientSampleId :
TB03062025

Tgt Ion: 98 Resp: 392872

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1

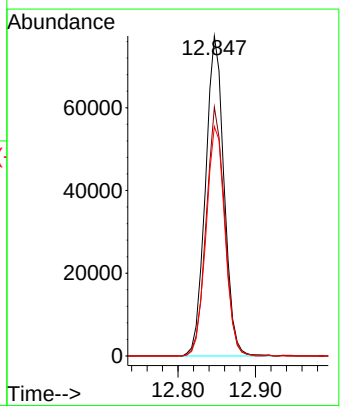


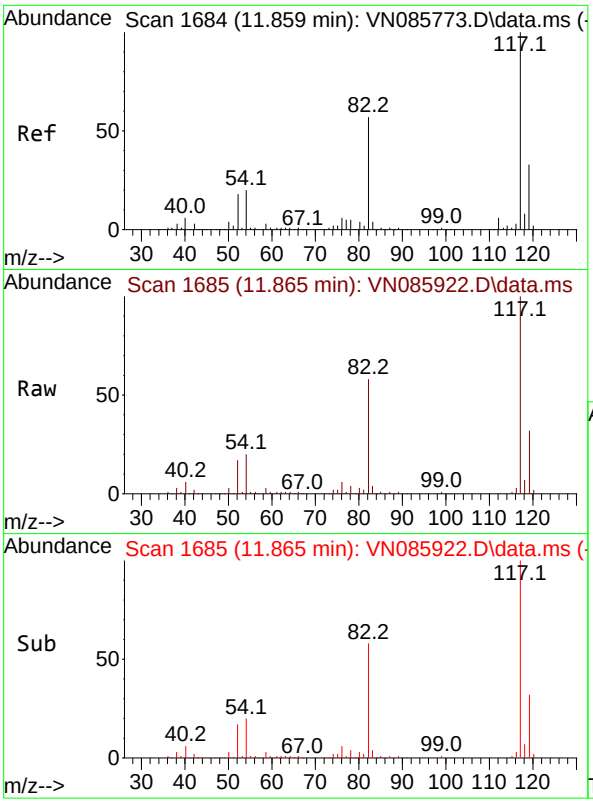


#62
4-Bromofluorobenzene
Concen: 47.718 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

Tgt Ion: 95 Resp: 128707

Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	152.4
176	73.0	0.0	146.6



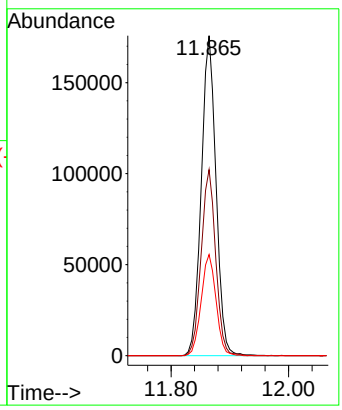


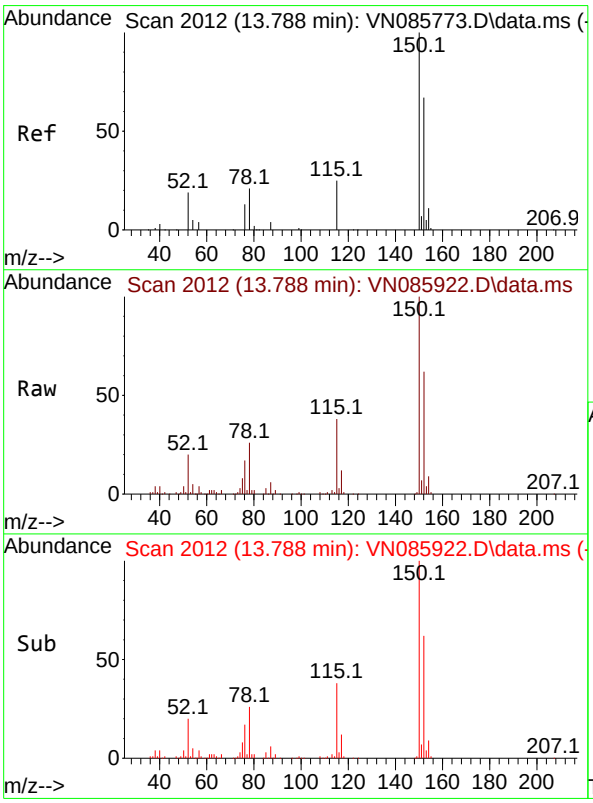
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

Instrument :
MSVOA_N
ClientSampleId :
TB03062025

Tgt Ion:117 Resp: 305300

Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.7	68.5
119	31.6	26.2	39.2

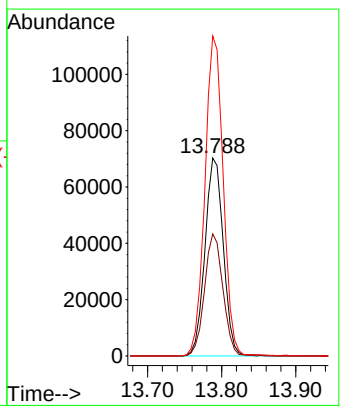




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085922.D
Acq: 10 Mar 2025 18:23

Tgt Ion:152 Resp: 121043

Ion	Ratio	Lower	Upper
152	100		
115	61.7	30.4	91.3
150	160.6	0.0	345.4



Sample Results: **VN085922.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085922.D
Acq On : 10 Mar 2025 18:23
Operator : JC\MD
Sample : Q1514-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB03062025

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\82N021825W.M
Title : SW846 8260

Signal : TIC: VN085922.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.824	141	148	153	rVB4	8553	15746	1.55%	0.292%
2	8.165	1046	1056	1060	rBV	152148	353103	34.82%	6.540%
3	8.224	1060	1066	1076	rVB2	256526	582261	57.41%	10.784%
4	8.577	1114	1126	1135	rBV	159821	362520	35.75%	6.714%
5	9.100	1205	1215	1226	rBV	404545	804215	79.30%	14.894%
6	10.565	1456	1464	1478	rBV	564256	1014161	100.00%	18.783%
7	11.865	1677	1685	1696	rBV	526317	922696	90.98%	17.089%
8	12.847	1845	1852	1866	rBV	366018	607957	59.95%	11.260%
9	13.788	2004	2012	2020	rBV	429958	736826	72.65%	13.646%

Sum of corrected areas: 5399485

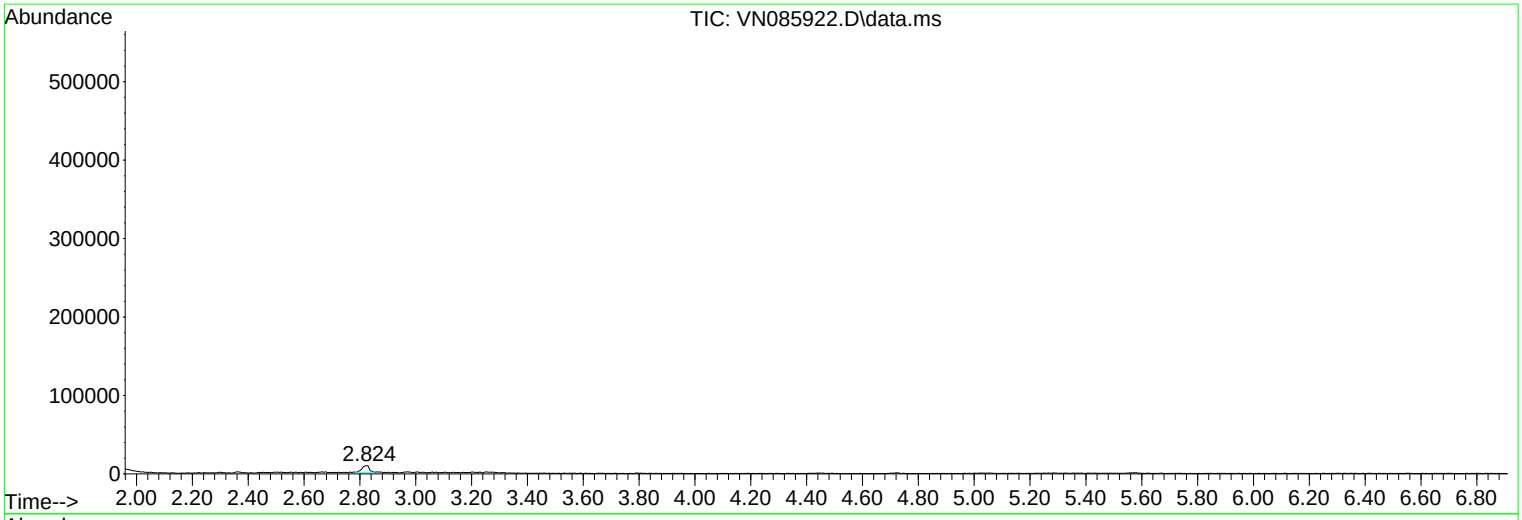
Sample Results: **VN085922.D**

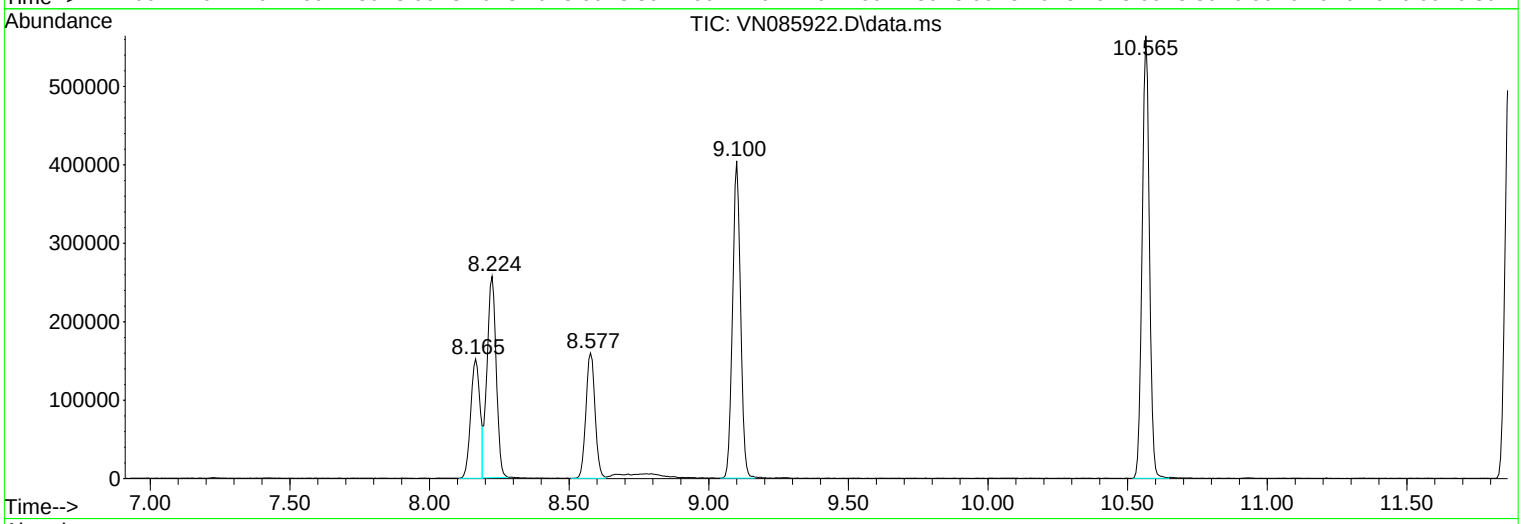
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085922.D
Acq On : 10 Mar 2025 18:23
Operator : JC\MD
Sample : Q1514-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

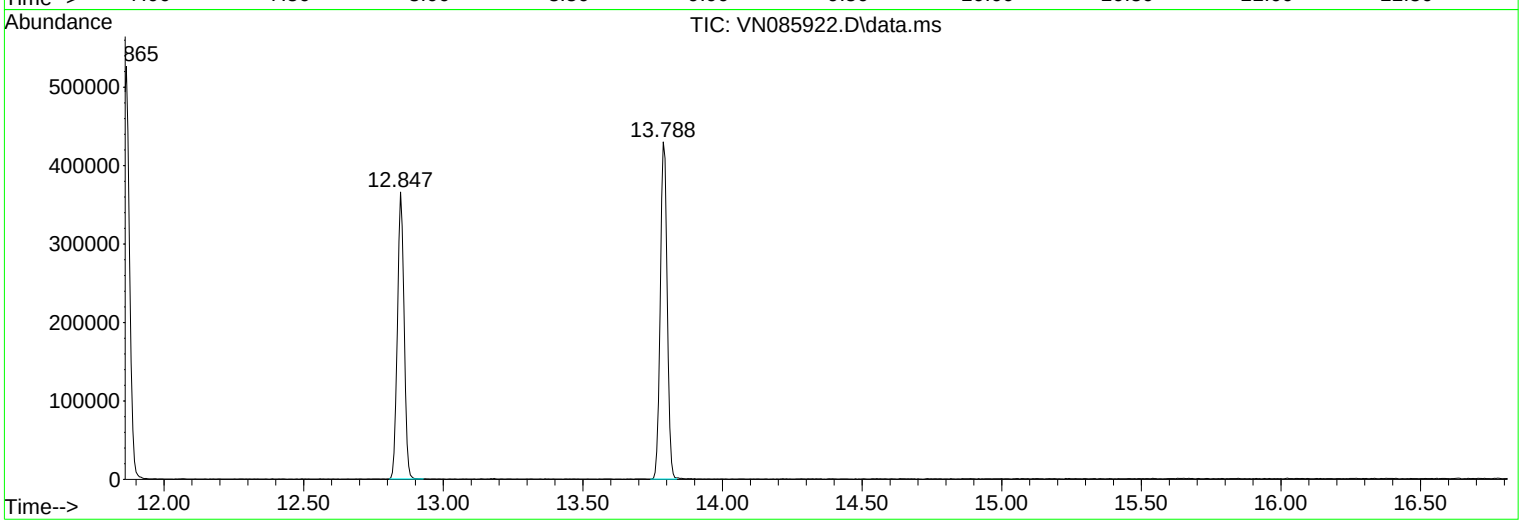
Instrument :
MSVOA_N
ClientSampleId :
TB03062025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085922.D
Acq On : 10 Mar 2025 18:23
Operator : JC\MD
Sample : Q1514-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB03062025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.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\VN031025\
Data File : VN085922.D
Acq On : 10 Mar 2025 18:23
Operator : JC\MD
Sample : Q1514-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB03062025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.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\VN031025\
Data File : VN085916.D
Acq On : 10 Mar 2025 13:22
Operator : JC\MD
Sample : VN0310WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

Quant Time: Mar 11 01:37:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

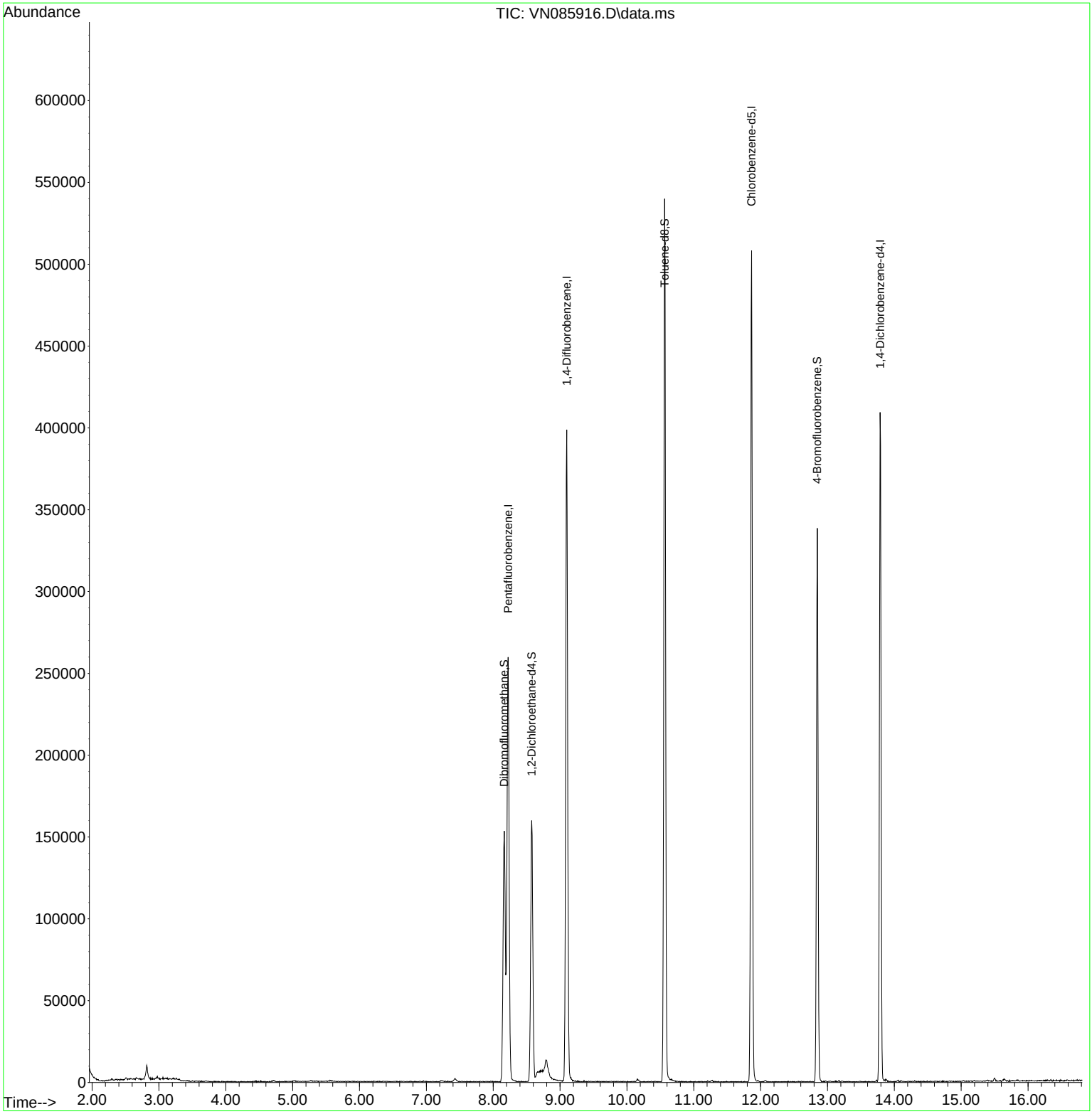
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	185188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	337149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131135	54.619	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.240%			
35) Dibromofluoromethane	8.165	113	111691	50.627	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.260%			
50) Toluene-d8	10.565	98	376828	46.947	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.900%			
62) 4-Bromofluorobenzene	12.847	95	118920	44.967	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.940%			
Target Compounds						Qvalue

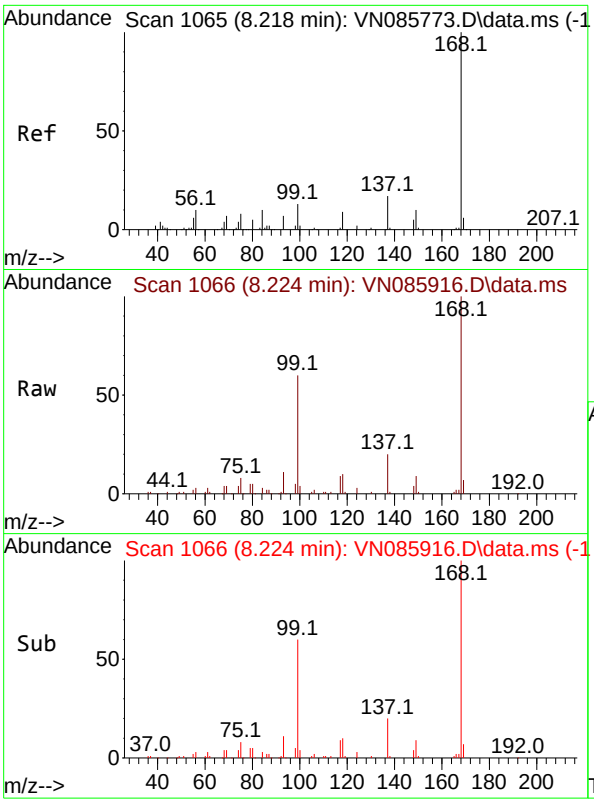
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085916.D
Acq On : 10 Mar 2025 13:22
Operator : JC\MD
Sample : VN0310WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

Quant Time: Mar 11 01:37:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



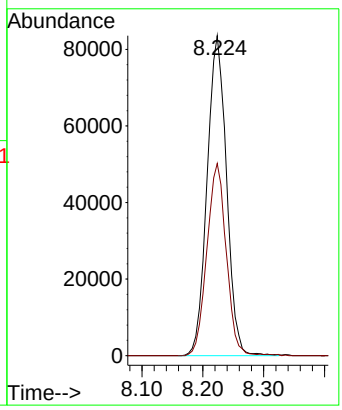


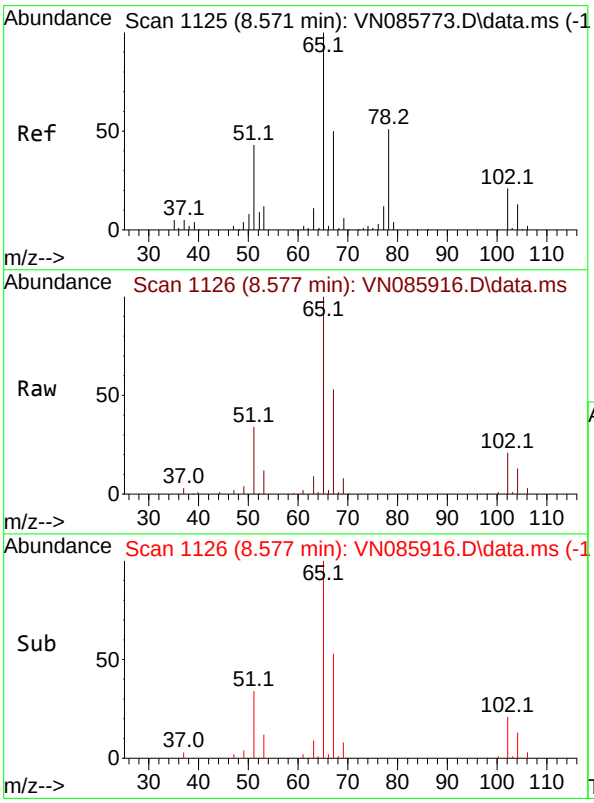
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

Tgt Ion:168 Resp: 185188

Ion	Ratio	Lower	Upper
168	100		
99	60.0	47.9	71.9

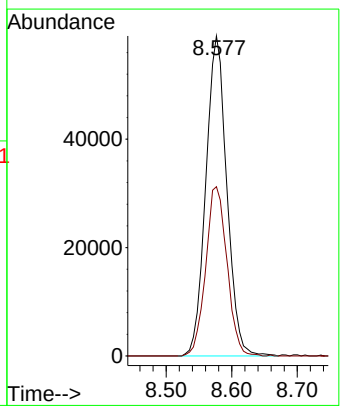


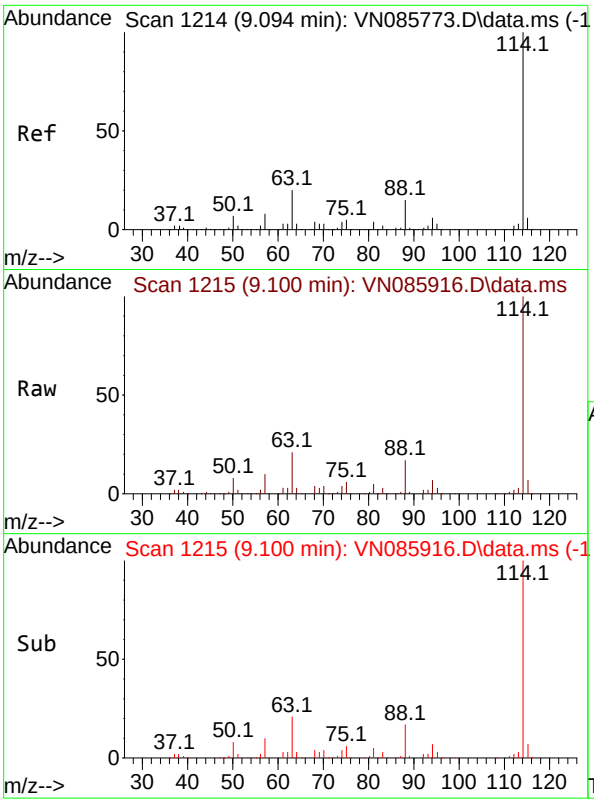


#33
1,2-Dichloroethane-d4
Concen: 54.619 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Tgt Ion: 65 Resp: 131135

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.2



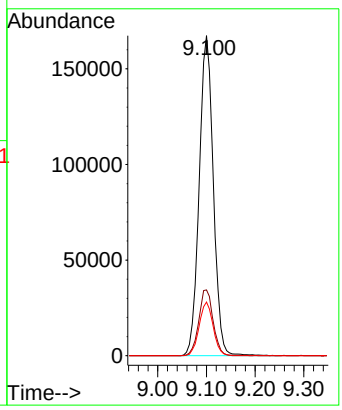


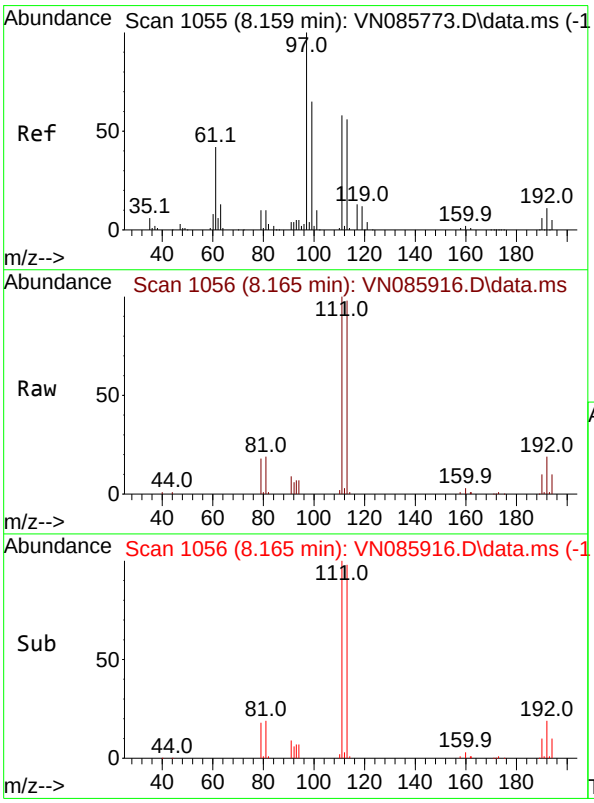
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

Tgt Ion:114 Resp: 337149

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	39.2
88	16.7	0.0	30.0

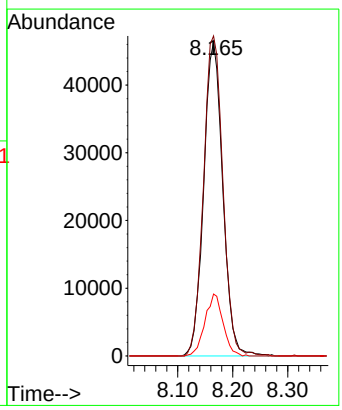


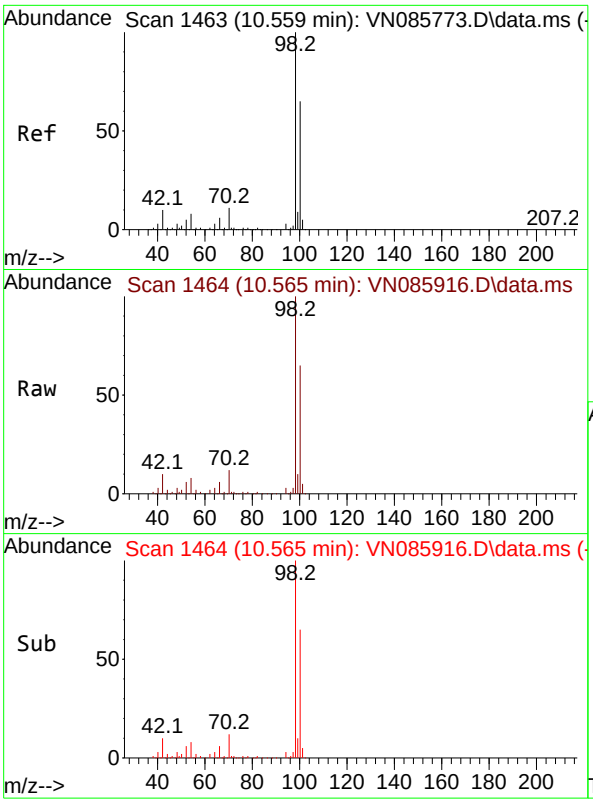


#35
Dibromofluoromethane
Concen: 50.627 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Tgt Ion:113 Resp: 111691

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	18.7	14.7	22.1



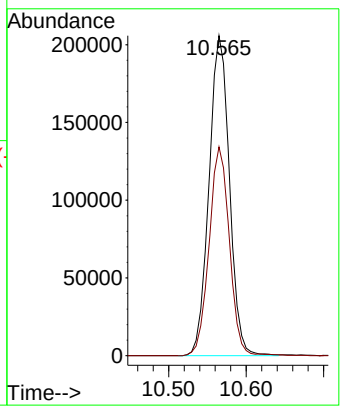


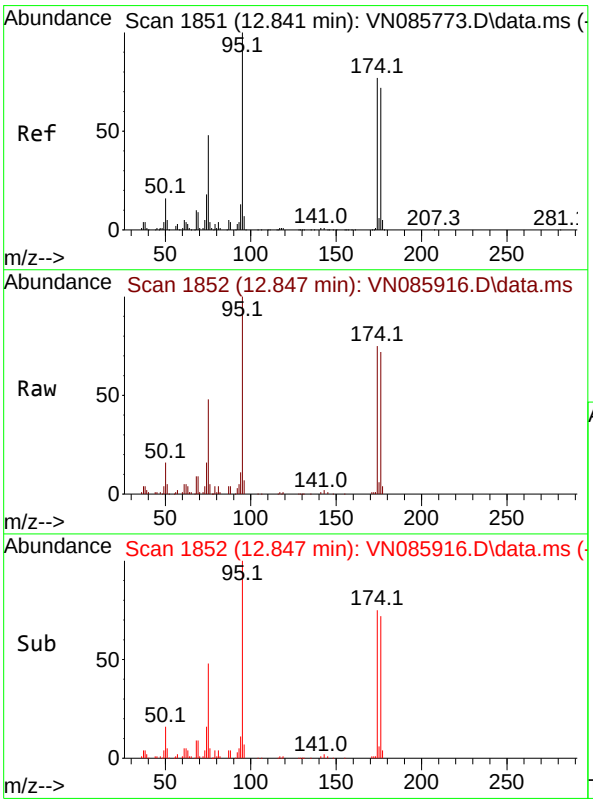
#50
Toluene-d8
Concen: 46.947 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

Tgt Ion: 98 Resp: 376828

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

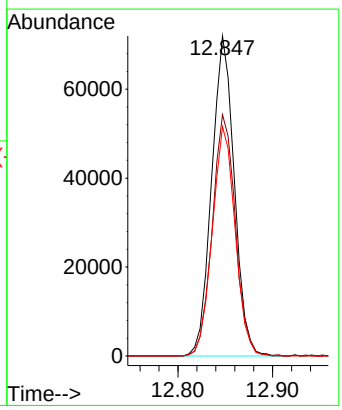


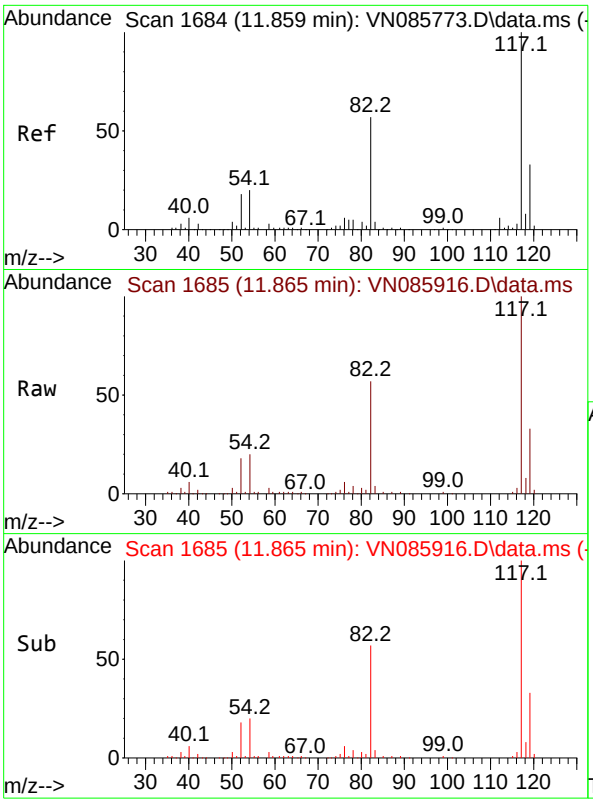


#62
4-Bromofluorobenzene
Concen: 44.967 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Tgt Ion: 95 Resp: 118920

Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	152.4
176	72.7	0.0	146.6



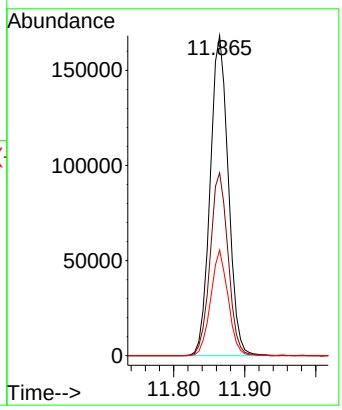


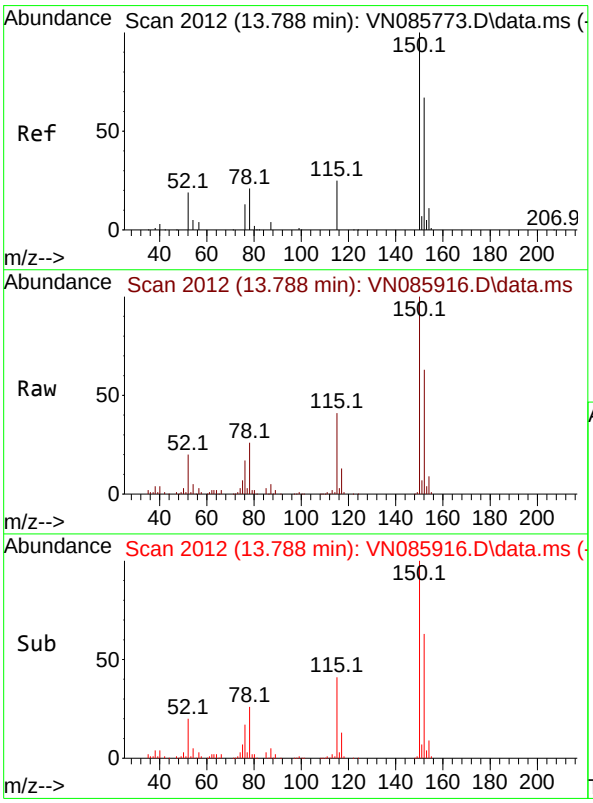
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

Tgt Ion:117 Resp: 297684

Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.7	68.5
119	33.0	26.2	39.2

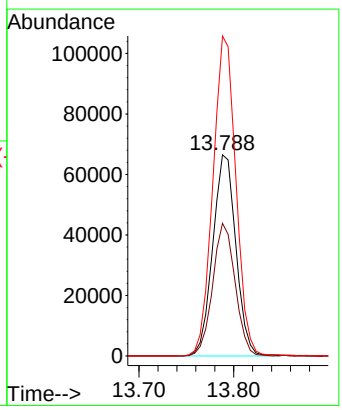




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085916.D
Acq: 10 Mar 2025 13:22

Tgt Ion:152 Resp: 112686

Ion	Ratio	Lower	Upper
152	100		
115	64.0	30.4	91.3
150	158.5	0.0	345.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085916.D
Acq On : 10 Mar 2025 13:22
Operator : JC\MD
Sample : VN0310WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

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\82N021825W.M
Title : SW846 8260

Signal : TIC: VN085916.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.818	140	147	154	rBV5	8438	16723	1.70%	0.317%
2	8.165	1046	1056	1060	rBV	153437	355810	36.10%	6.746%
3	8.224	1060	1066	1079	rVB	258760	577181	58.55%	10.942%
4	8.577	1117	1126	1134	rBV	159381	358486	36.37%	6.796%
5	8.788	1156	1162	1174	rVB3	10705	36078	3.66%	0.684%
6	9.100	1206	1215	1225	rBV	397799	794988	80.65%	15.072%
7	10.565	1455	1464	1479	rBV	539489	985741	100.00%	18.688%
8	11.865	1675	1685	1699	rBV	507861	894725	90.77%	16.963%
9	12.847	1845	1852	1863	rVB	338224	567022	57.52%	10.750%
10	13.788	2005	2012	2022	rBV	408917	687945	69.79%	13.042%

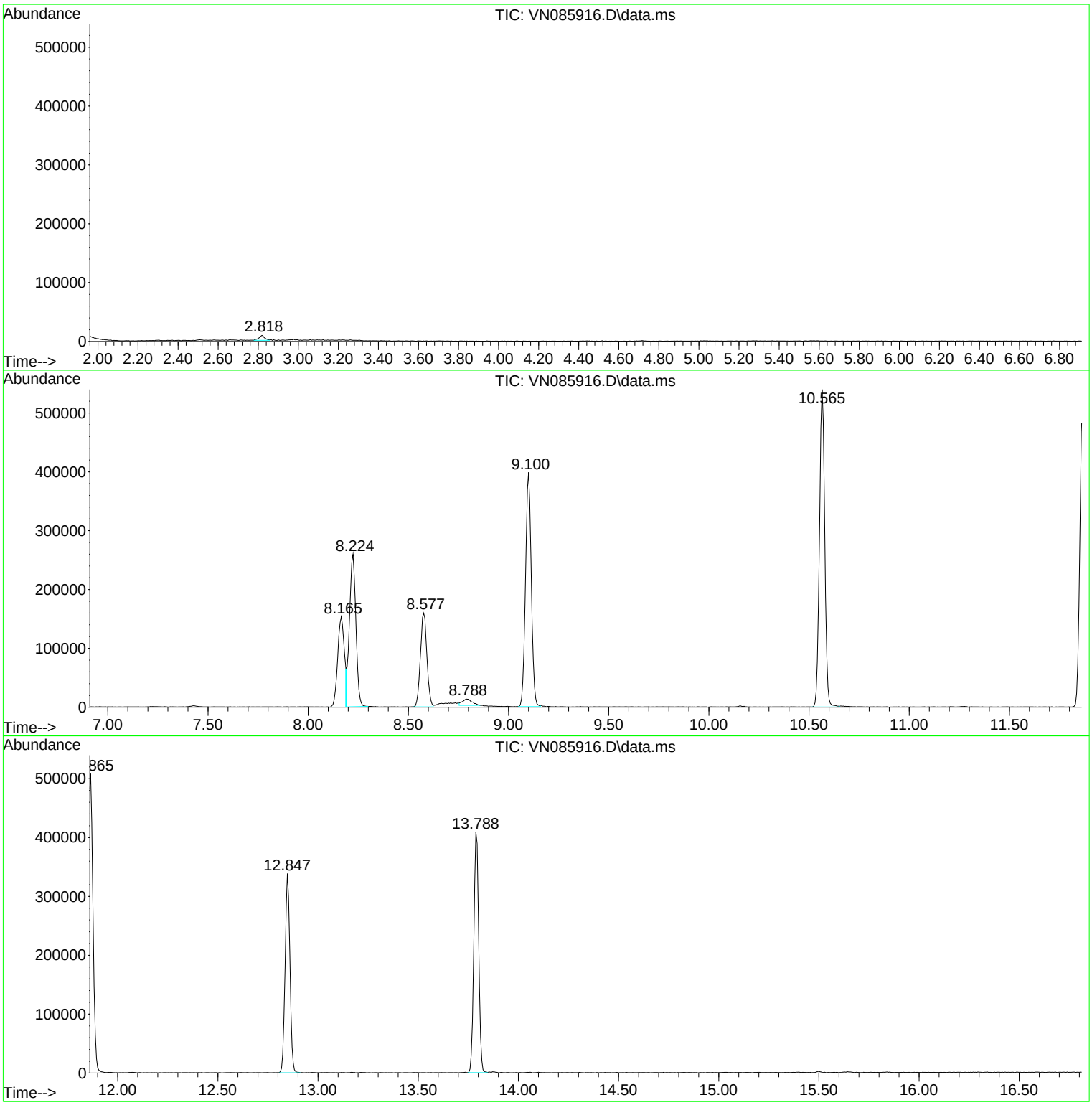
Sum of corrected areas: 5274699

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085916.D
Acq On : 10 Mar 2025 13:22
Operator : JC\MD
Sample : VN0310WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085916.D
Acq On : 10 Mar 2025 13:22
Operator : JC\MD
Sample : VN0310WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.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\VN031025\
Data File : VN085916.D
Acq On : 10 Mar 2025 13:22
Operator : JC\MD
Sample : VN0310WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.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\VN031125\
Data File : VN085930.D
Acq On : 11 Mar 2025 14:21
Operator : JC\MD
Sample : VN0311WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Quant Time: Mar 12 01:19:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	166099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120828	56.110	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.220%			
35) Dibromofluoromethane	8.165	113	102406	49.016	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.040%			
50) Toluene-d8	10.565	98	338496	44.531	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.060%			
62) 4-Bromofluorobenzene	12.847	95	105788	42.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 84.480%			

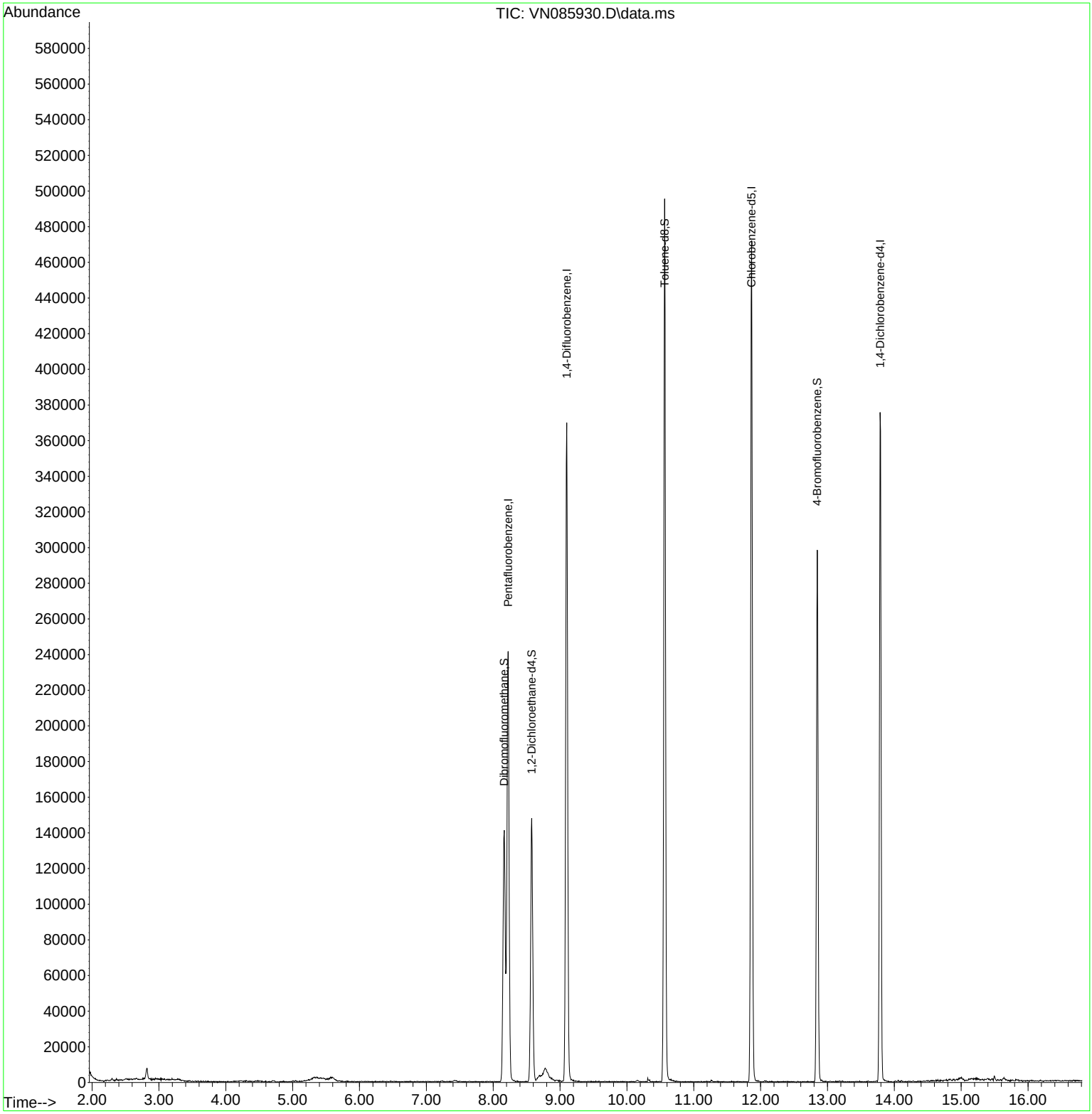
Target Compounds Qvalue

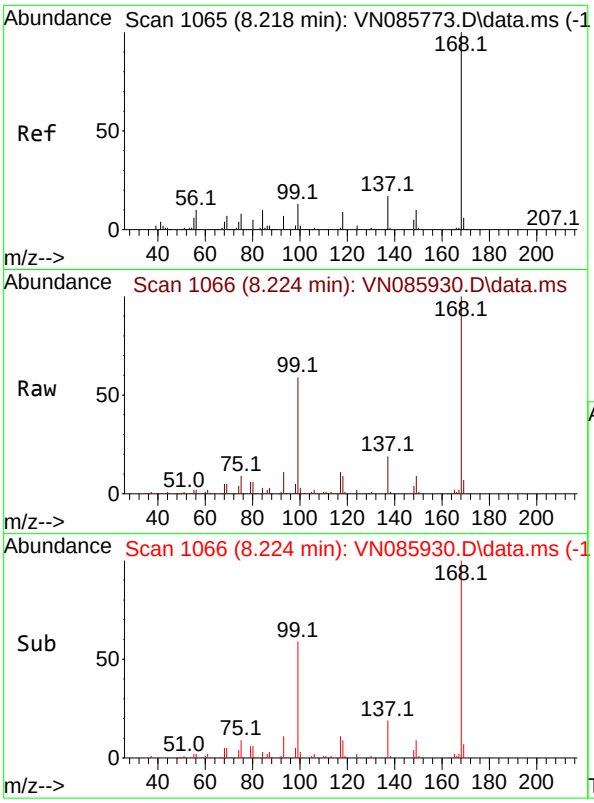
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085930.D
Acq On : 11 Mar 2025 14:21
Operator : JC\MD
Sample : VN0311WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Quant Time: Mar 12 01:19:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



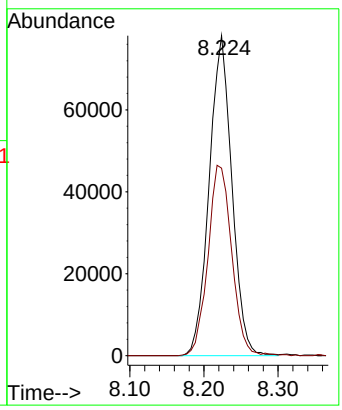


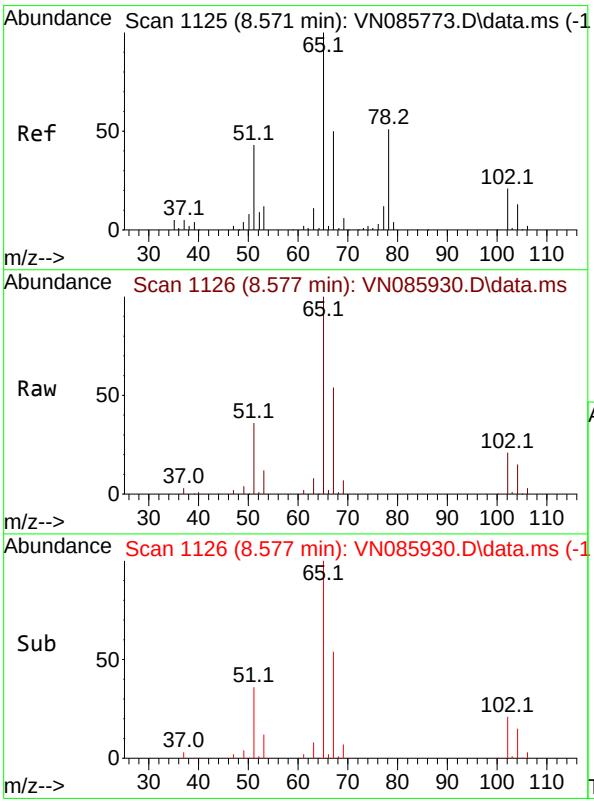
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Tgt Ion:168 Resp: 166099

Ion	Ratio	Lower	Upper
168	100		
99	58.6	47.9	71.9

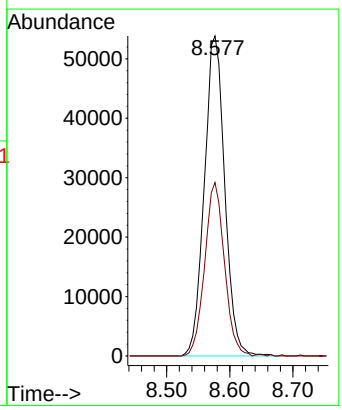


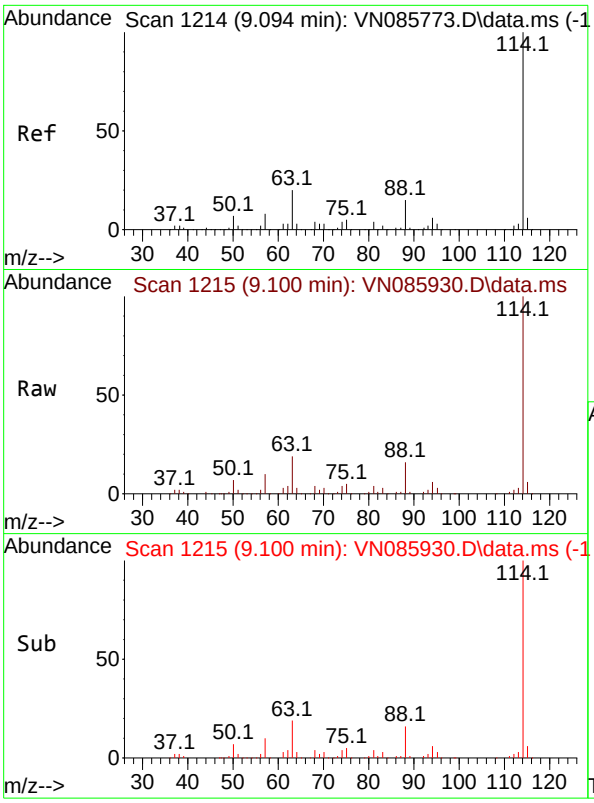


#33
1,2-Dichloroethane-d4
Concen: 56.110 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion: 65 Resp: 120828

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	106.2



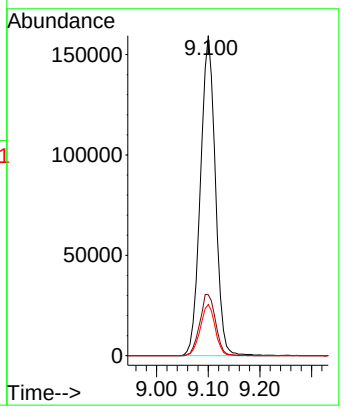


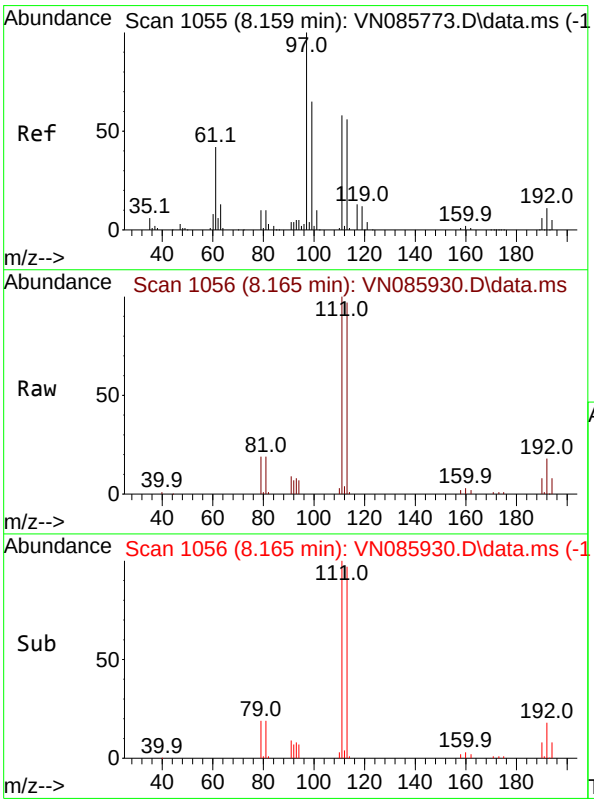
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Tgt Ion:114 Resp: 319285

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.2
88	16.0	0.0	30.0

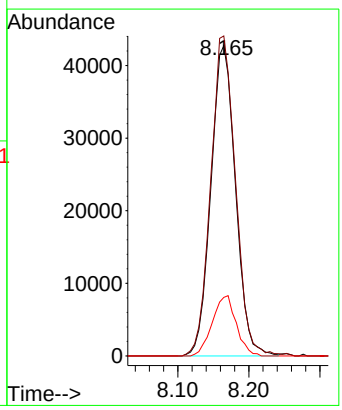


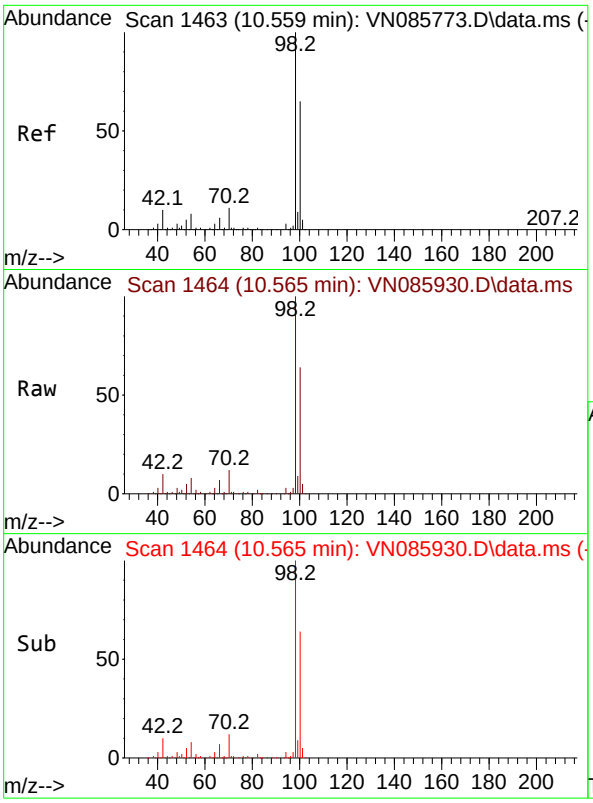


#35
Dibromofluoromethane
Concen: 49.016 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion:113 Resp: 102406

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.2	123.4
192	18.9	14.7	22.1



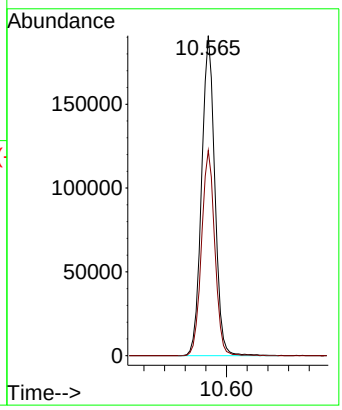


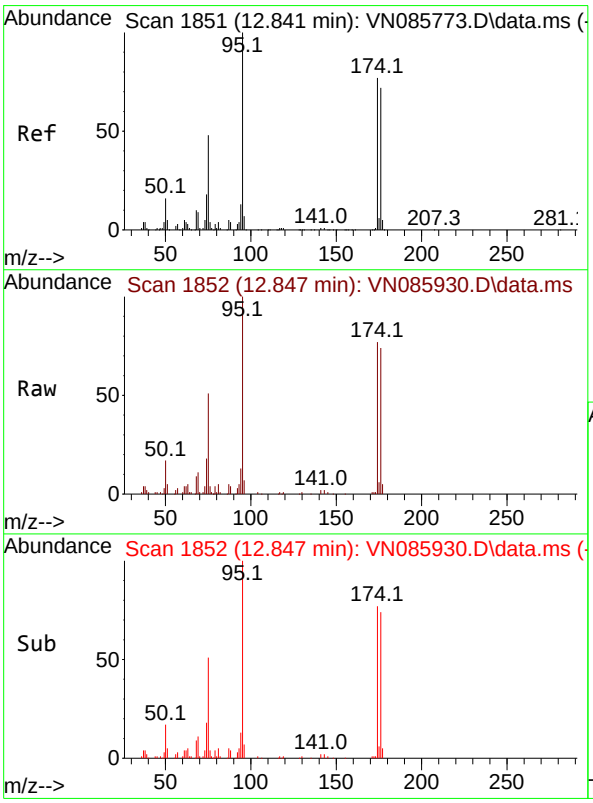
#50
Toluene-d8
Concen: 44.531 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Tgt Ion: 98 Resp: 338496

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

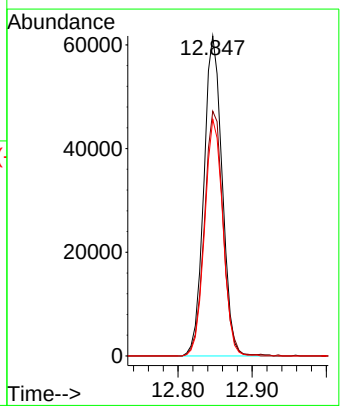


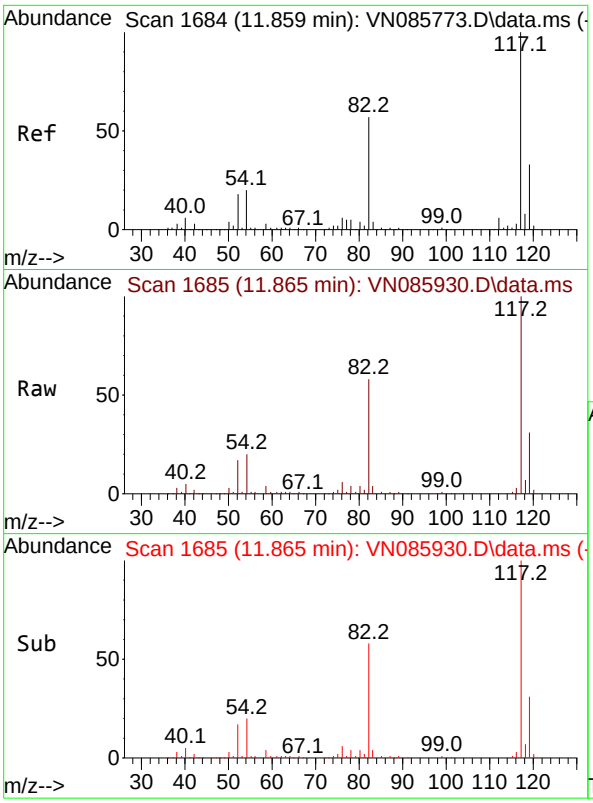


#62
4-Bromofluorobenzene
Concen: 42.240 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion: 95 Resp: 105788

Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	152.4
176	73.8	0.0	146.6



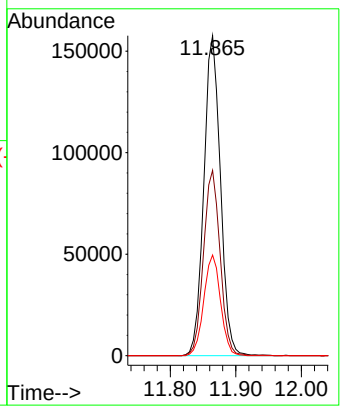


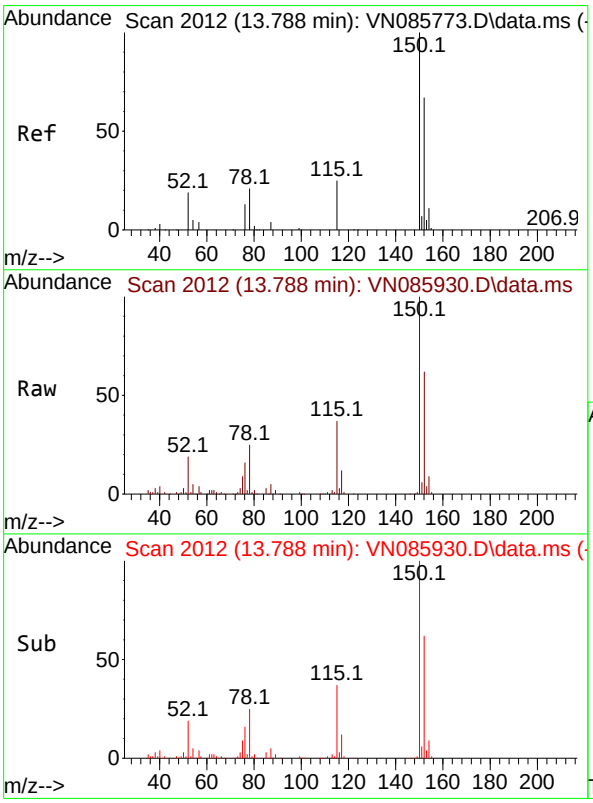
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Tgt Ion:117 Resp: 277562

Ion	Ratio	Lower	Upper
117	100		
82	57.9	45.7	68.5
119	31.5	26.2	39.2

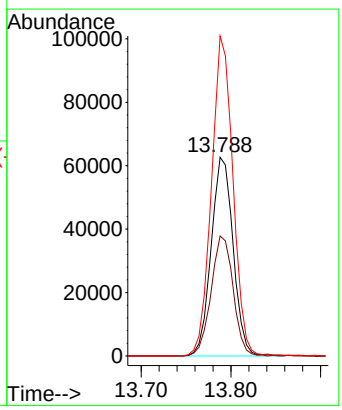




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion:152 Resp: 106492

Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.4	91.3
150	157.7	0.0	345.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085930.D
Acq On : 11 Mar 2025 14:21
Operator : JC\MD
Sample : VN0311WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

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\82N021825W.M
Title : SW846 8260

Signal : TIC: VN085930.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.818	142	147	153	rVB3	6019	10526	1.20%	0.219%
2	8.165	1045	1056	1060	rBV2	141020	328245	37.55%	6.824%
3	8.224	1060	1066	1079	rVB	240917	531178	60.77%	11.043%
4	8.577	1116	1126	1136	rBV	147778	325384	37.23%	6.764%
5	8.777	1152	1160	1172	rVB3	5365	20987	2.40%	0.436%
6	9.100	1206	1215	1226	rBV	369232	744664	85.20%	15.481%
7	10.565	1456	1464	1477	rBV	495271	874059	100.00%	18.171%
8	11.865	1676	1685	1697	rBV	471739	834111	95.43%	17.341%
9	12.847	1845	1852	1861	rBV	298227	504452	57.71%	10.487%
10	13.788	2005	2012	2022	rBV	375417	636575	72.83%	13.234%

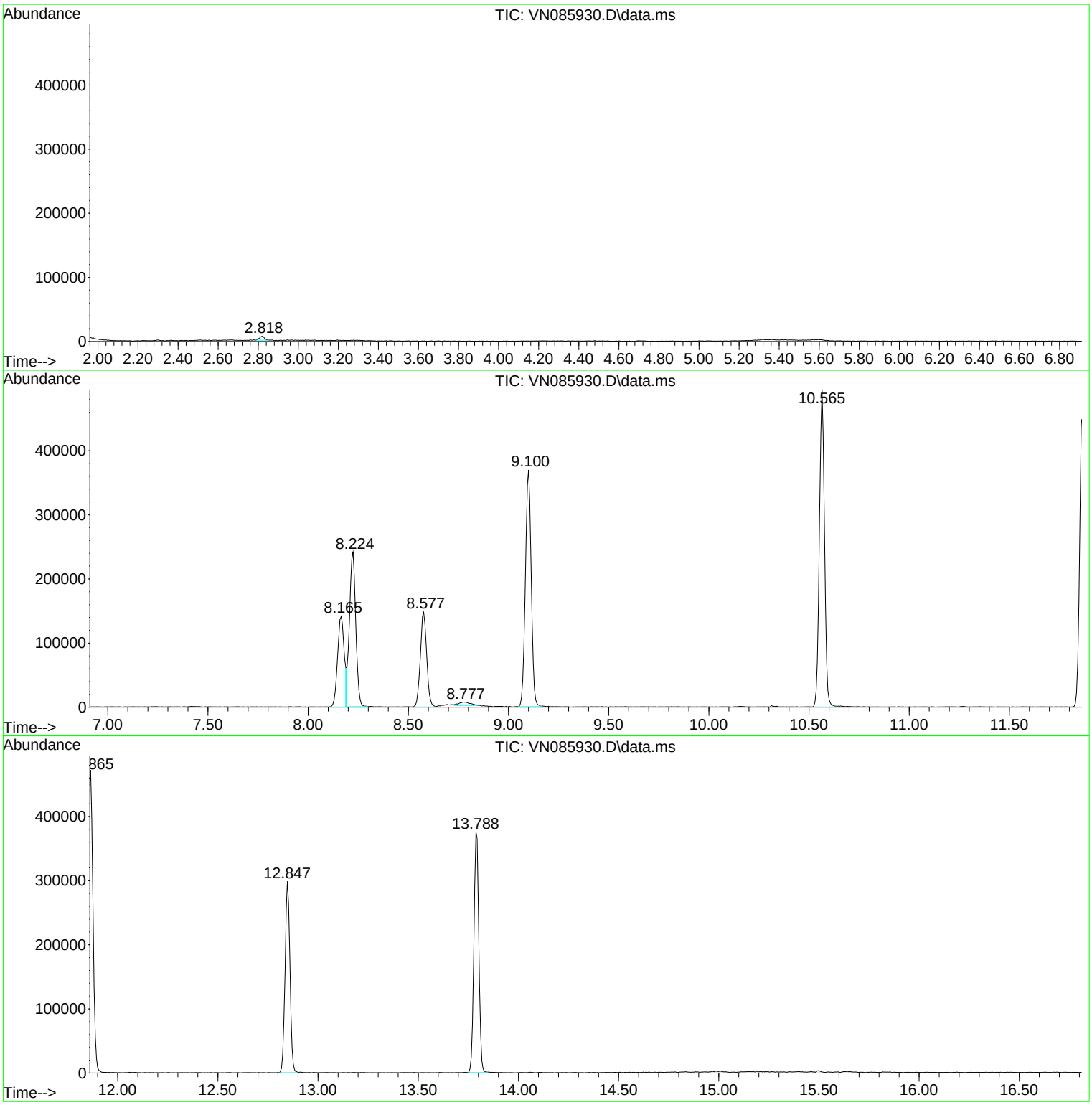
Sum of corrected areas: 4810181

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085930.D
Acq On : 11 Mar 2025 14:21
Operator : JC\MD
Sample : VN0311WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085930.D
Acq On : 11 Mar 2025 14:21
Operator : JC\MD
Sample : VN0311WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.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\VN031125\
Data File : VN085930.D
Acq On : 11 Mar 2025 14:21
Operator : JC\MD
Sample : VN0311WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.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\VY031125\
Data File : VY021475.D
Acq On : 11 Mar 2025 10:12
Operator : SY/MD
Sample : VY0311SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBL01

Quant Time: Mar 12 01:23:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

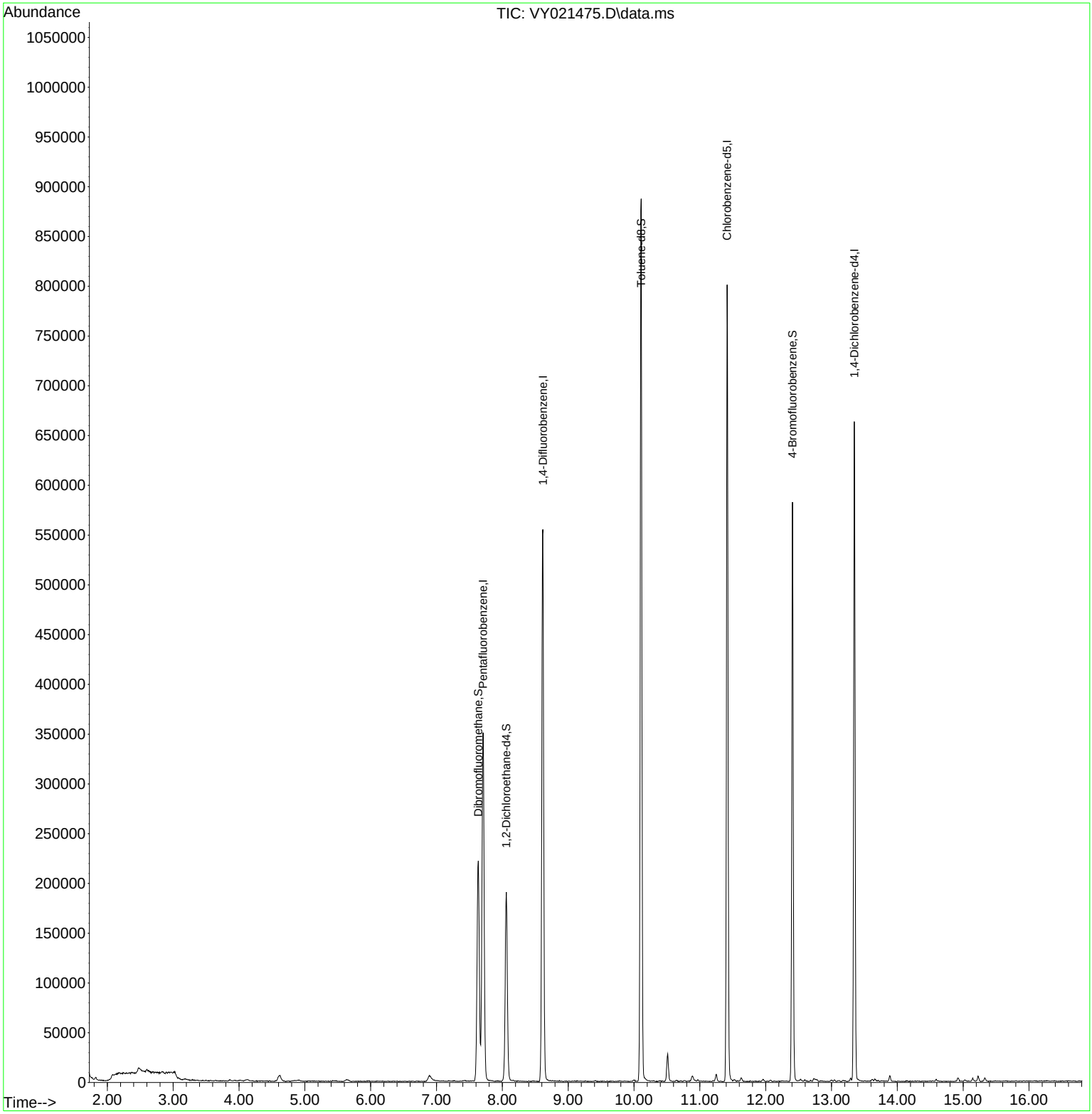
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	266206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	468026	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	406786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	157191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150026	53.321	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.640%			
35) Dibromofluoromethane	7.634	113	155103	50.417	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.840%			
50) Toluene-d8	10.109	98	564540	48.466	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.940%			
62) 4-Bromofluorobenzene	12.408	95	168454	42.515	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.020%			
Target Compounds						Qvalue

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

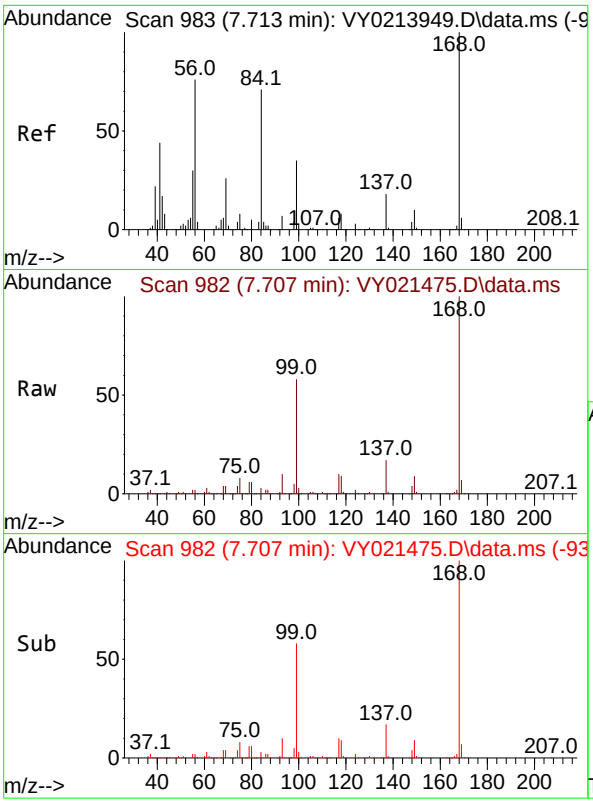
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021475.D
Acq On : 11 Mar 2025 10:12
Operator : SY/MD
Sample : VY0311SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBL01

Quant Time: Mar 12 01:23:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



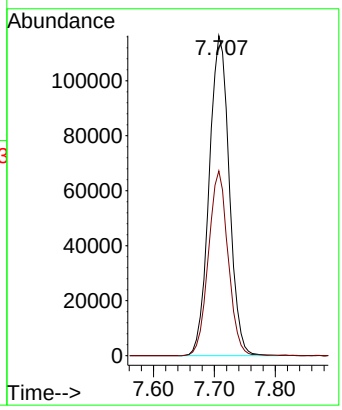
Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBL01

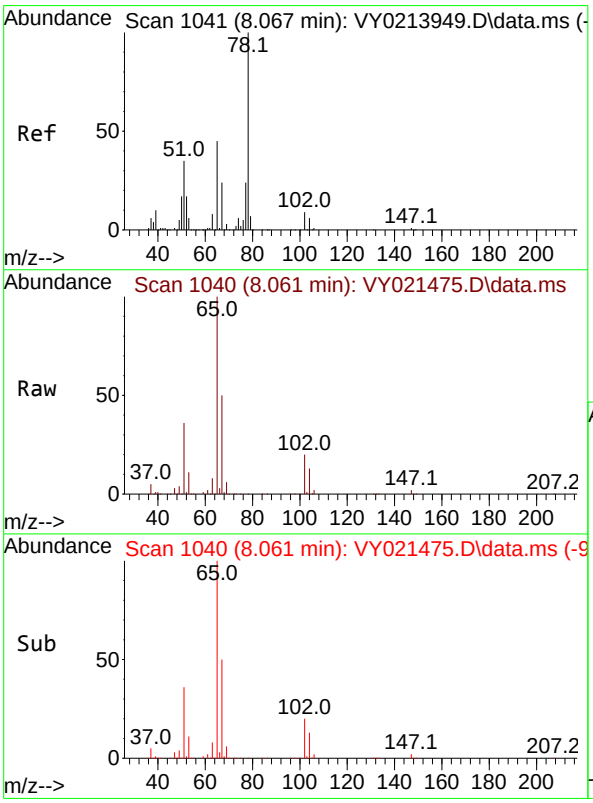


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021475.D
Acq: 11 Mar 2025 10:12

Tgt Ion:168 Resp: 266206

Ion	Ratio	Lower	Upper
168	100		
99	57.7	46.0	69.0

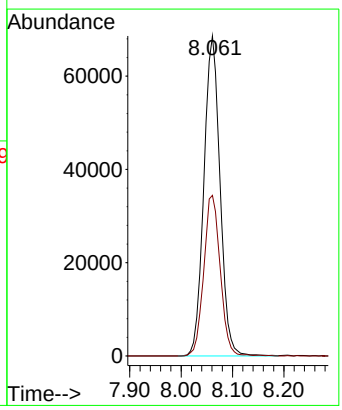


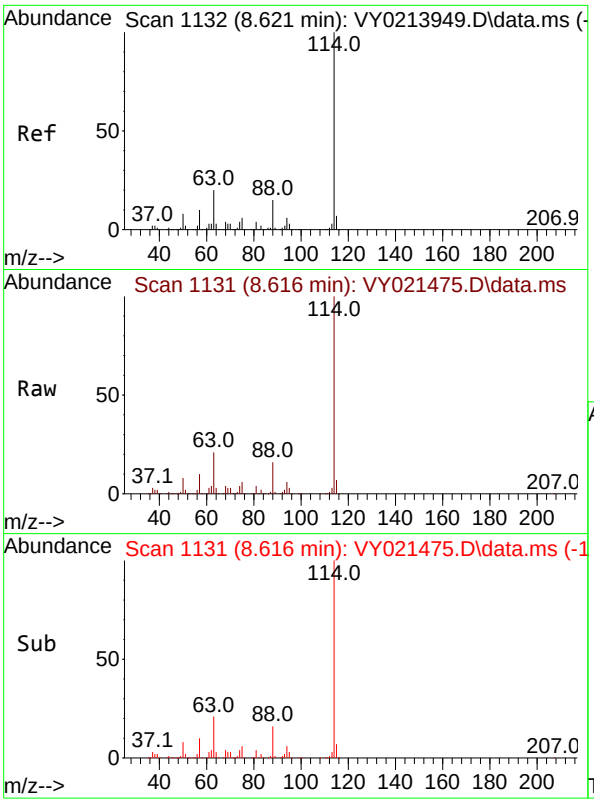


#33
1,2-Dichloroethane-d4
Concen: 53.321 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021475.D
Acq: 11 Mar 2025 10:12

Tgt Ion: 65 Resp: 150026

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.8



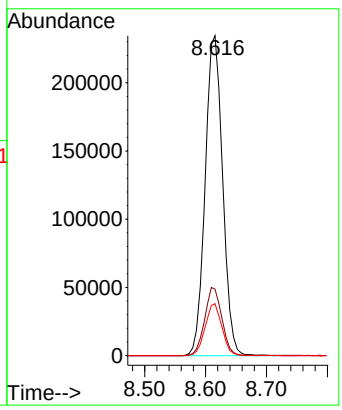


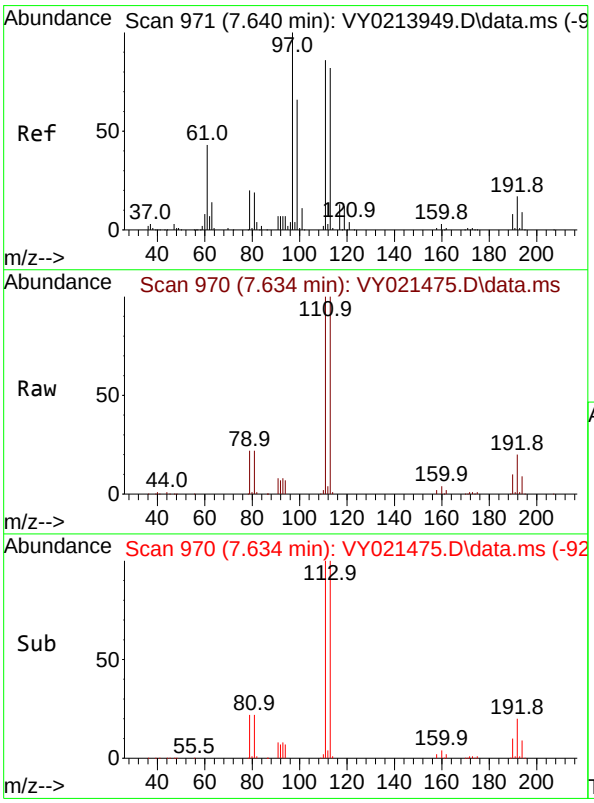
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021475.D
Acq: 11 Mar 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBL01

Tgt Ion:114 Resp: 468026

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	16.3	0.0	30.8

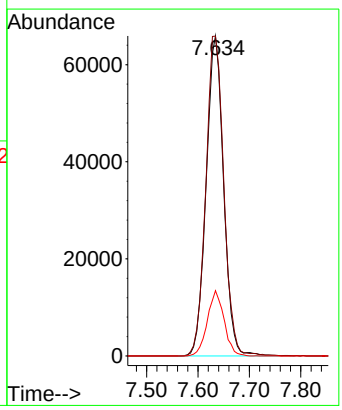


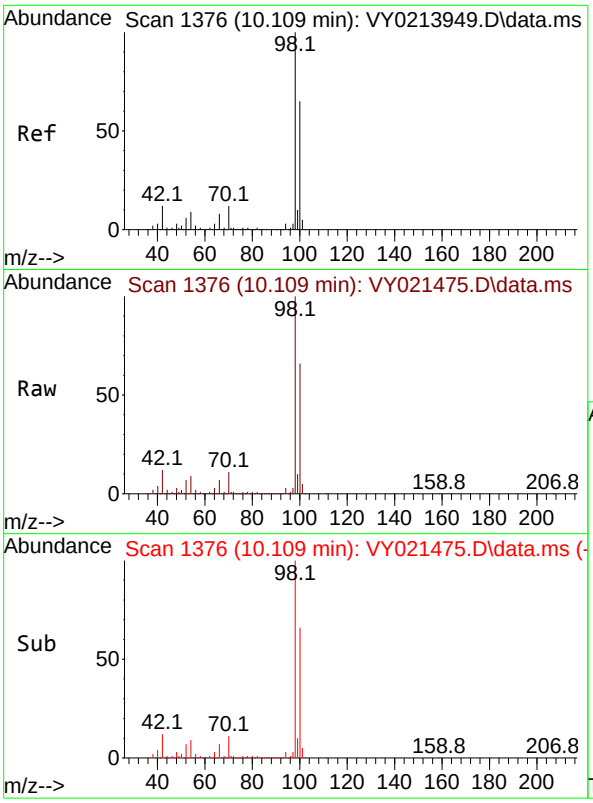


#35
Dibromofluoromethane
Concen: 50.417 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021475.D
Acq: 11 Mar 2025 10:12

Tgt Ion:113 Resp: 155103

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.0	123.0
192	19.6	15.9	23.9



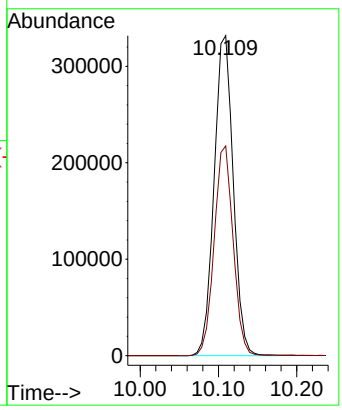


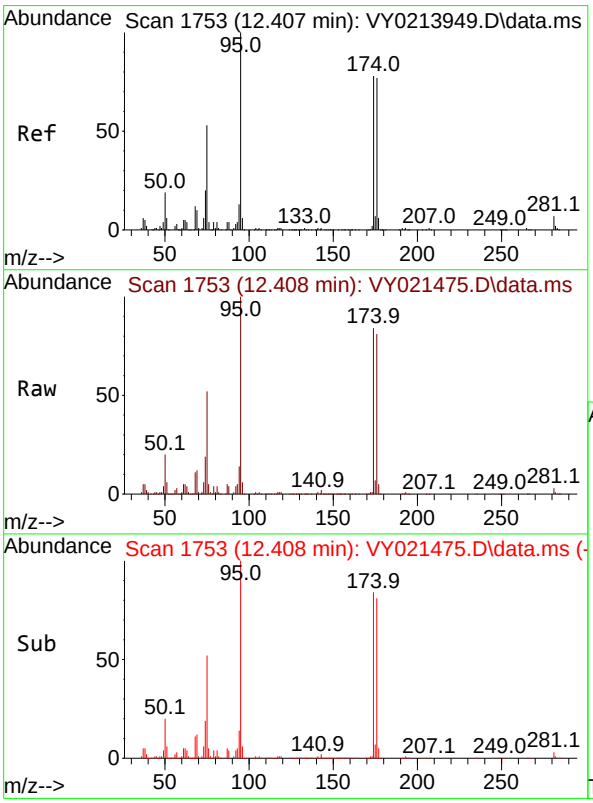
#50
Toluene-d8
Concen: 48.466 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021475.D
Acq: 11 Mar 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBL01

Tgt Ion: 98 Resp: 564540

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

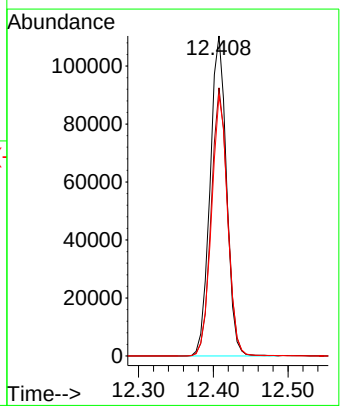


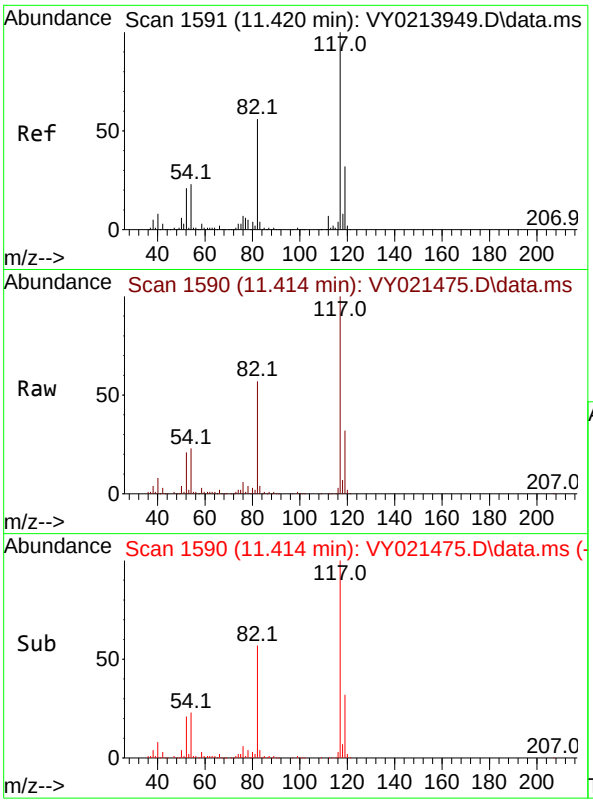


#62
4-Bromofluorobenzene
Concen: 42.515 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021475.D
Acq: 11 Mar 2025 10:12

Tgt Ion: 95 Resp: 168454

Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	165.0
176	80.3	0.0	160.0



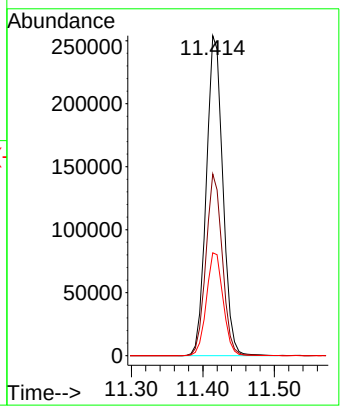


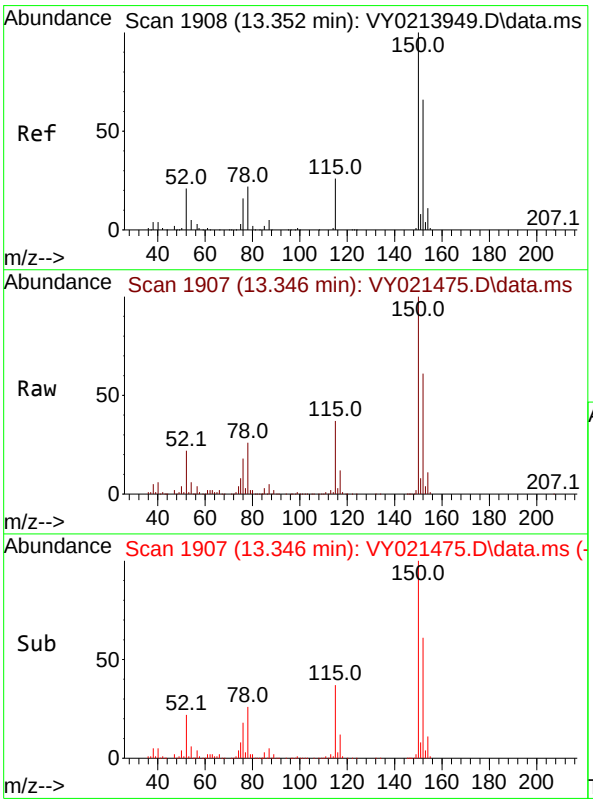
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021475.D
Acq: 11 Mar 2025 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBL01

Tgt Ion:117 Resp: 406786

Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.6	67.0
119	32.1	25.4	38.0

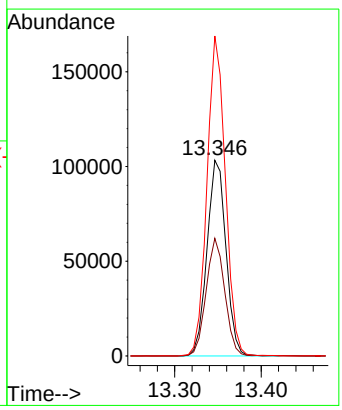




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021475.D
Acq: 11 Mar 2025 10:12

Tgt Ion:152 Resp: 157191

Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.0	87.0
150	158.4	0.0	347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021475.D
Acq On : 11 Mar 2025 10:12
Operator : SY/MD
Sample : VY0311SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBL01

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

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

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

Signal : TIC: VY021475.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	48	59	62	rBV5	5881	15838	1.04%	0.207%
2	7.634	959	970	976	rBV	221263	533509	35.06%	6.959%
3	7.707	976	982	996	rVB	349729	797482	52.41%	10.402%
4	8.061	1027	1040	1051	rBV	190394	436972	28.72%	5.700%
5	8.616	1122	1131	1146	rBV	554486	1117631	73.45%	14.578%
6	10.109	1366	1376	1384	rBV	886650	1521614	100.00%	19.848%
7	10.512	1434	1442	1455	rVB2	27465	51790	3.40%	0.676%
8	11.414	1579	1590	1604	rBV	800721	1294088	85.05%	16.880%
9	12.408	1745	1753	1764	rBV	581940	909363	59.76%	11.862%
10	13.346	1900	1907	1920	rVB	662019	988037	64.93%	12.888%

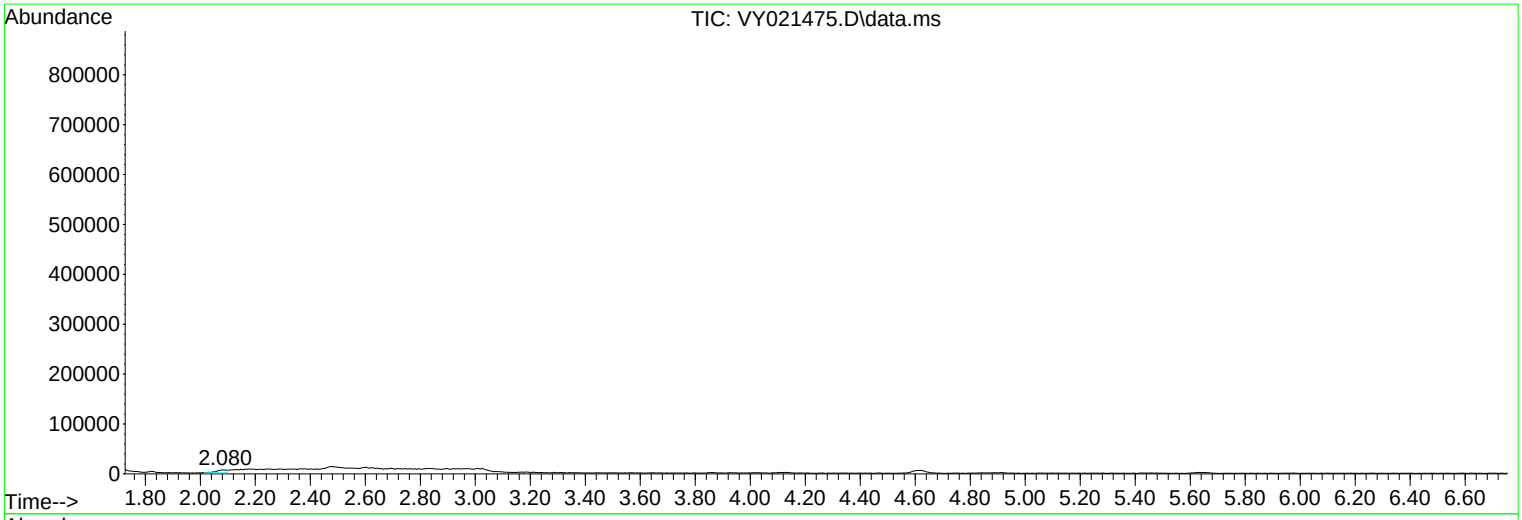
Sum of corrected areas: 7666324

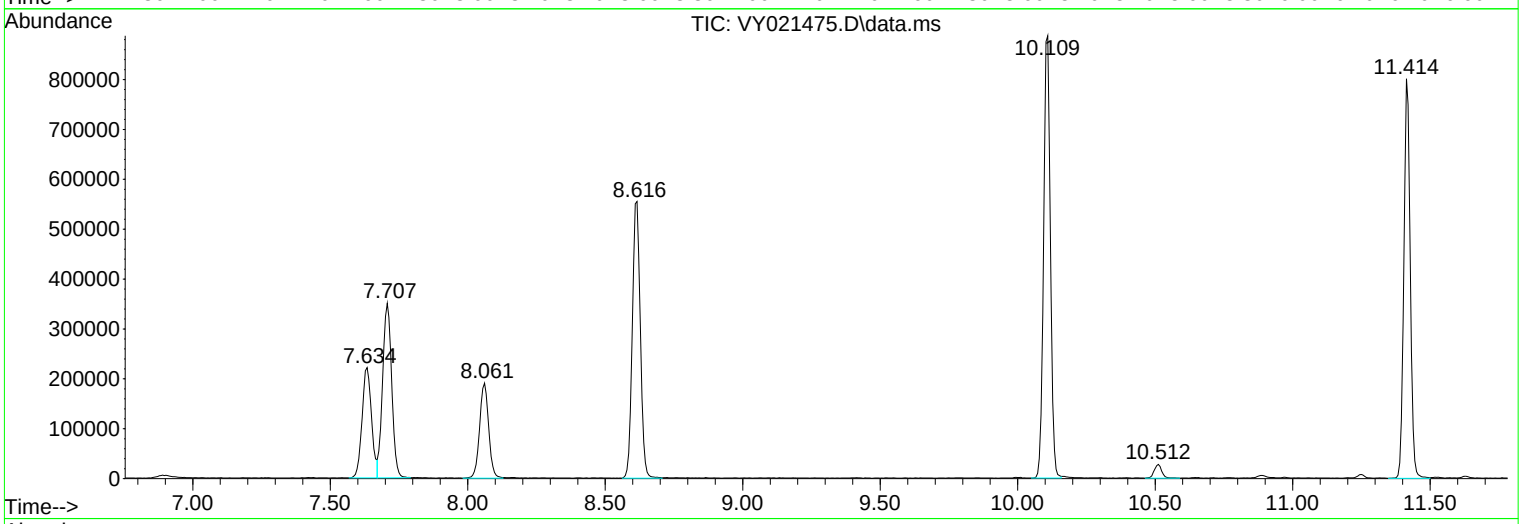
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021475.D
Acq On : 11 Mar 2025 10:12
Operator : SY/MD
Sample : VY0311SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

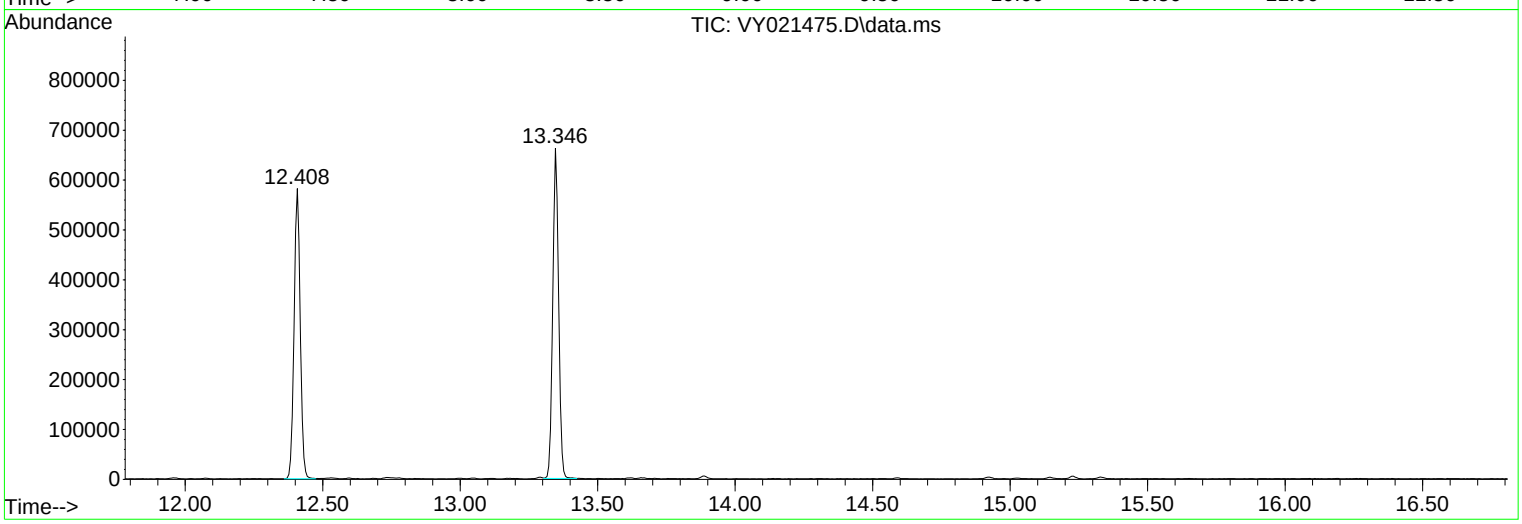
Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBL01

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

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021475.D
Acq On : 11 Mar 2025 10:12
Operator : SY/MD
Sample : VY0311SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBL01

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

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021475.D
Acq On : 11 Mar 2025 10:12
Operator : SY/MD
Sample : VY0311SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBL01

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085917.D
Acq On : 10 Mar 2025 16:12
Operator : JC\MD
Sample : VN0310WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 01:37:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	200845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	334623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131058	50.332	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.660%			
35) Dibromofluoromethane	8.165	113	107868	49.264	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.520%			
50) Toluene-d8	10.565	98	398387	50.008	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.020%			
62) 4-Bromofluorobenzene	12.847	95	142745	54.384	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	57613	21.089	ug/l	100
3) Chloromethane	2.360	50	57722	21.056	ug/l	96
4) Vinyl Chloride	2.512	62	57065	19.660	ug/l	97
5) Bromomethane	2.954	94	32967	17.763	ug/l	100
6) Chloroethane	3.118	64	33612	17.483	ug/l	95
7) Trichlorofluoromethane	3.495	101	83531	19.877	ug/l	95
8) Diethyl Ether	3.959	74	28433	20.911	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	48628	20.019	ug/l	98
10) Methyl Iodide	4.589	142	60569	20.228	ug/l	100
11) Tert butyl alcohol	5.512	59	33809	105.567	ug/l	99
12) 1,1-Dichloroethene	4.342	96	44916	20.393	ug/l	99
13) Acrolein	4.177	56	37933	79.872	ug/l	98
14) Allyl chloride	5.024	41	62929m	21.761	ug/l	
15) Acrylonitrile	5.712	53	113350	108.871	ug/l	100
16) Acetone	4.430	43	87841	106.614	ug/l	94
17) Carbon Disulfide	4.712	76	144261	22.100	ug/l	99
18) Methyl Acetate	5.024	43	47804	16.869	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	140217	21.424	ug/l	99
20) Methylene Chloride	5.277	84	54426	20.541	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	47809	20.159	ug/l	93
22) Diisopropyl ether	6.671	45	148727	22.761	ug/l	96
23) Vinyl Acetate	6.600	43	501410	112.072	ug/l	97
24) 1,1-Dichloroethane	6.565	63	92748	20.880	ug/l	100
25) 2-Butanone	7.477	43	133104	109.810	ug/l	97
26) 2,2-Dichloropropane	7.494	77	79534	20.136	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	54981	19.994	ug/l	97
28) Bromochloromethane	7.806	49	45217	24.767	ug/l	91
29) Tetrahydrofuran	7.836	42	90483	115.599	ug/l	96
30) Chloroform	7.965	83	95608	20.596	ug/l	98
31) Cyclohexane	8.253	56	81228	21.841	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	84568	20.483	ug/l	99
36) 1,1-Dichloropropene	8.371	75	65697	21.200	ug/l	100
37) Ethyl Acetate	7.559	43	56201	22.038	ug/l	100
38) Carbon Tetrachloride	8.359	117	76435	20.759	ug/l	94
39) Methylcyclohexane	9.600	83	65571	21.539	ug/l	95
40) Benzene	8.600	78	207478	20.890	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085917.D
Acq On : 10 Mar 2025 16:12
Operator : JC\MD
Sample : VN0310WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 01:37:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	30822	22.609	ug/l		99
42) 1,2-Dichloroethane	8.665	62	67821	20.964	ug/l		99
43) Isopropyl Acetate	8.683	43	99818	21.997	ug/l		97
44) Trichloroethene	9.347	130	48294	19.804	ug/l		98
45) 1,2-Dichloropropane	9.618	63	51217	21.363	ug/l		95
46) Dibromomethane	9.706	93	36115	21.356	ug/l		94
47) Bromodichloromethane	9.883	83	73646	20.356	ug/l		99
48) Methyl methacrylate	9.677	41	41798	22.069	ug/l		99
49) 1,4-Dioxane	9.694	88	16551	459.552	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.441	43	279017	113.479	ug/l		99
52) Toluene	10.630	92	127383	21.879	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	72257	21.598	ug/l		95
54) cis-1,3-Dichloropropene	10.306	75	79526	21.678	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	47012	20.309	ug/l		96
56) Ethyl methacrylate	10.871	69	65527	21.330	ug/l		97
57) 1,3-Dichloropropane	11.159	76	81072	20.980	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	119007	107.514	ug/l		100
59) 2-Hexanone	11.194	43	195283	115.451	ug/l		100
60) Dibromochloromethane	11.359	129	55963	20.762	ug/l		100
61) 1,2-Dibromoethane	11.465	107	45190	20.662	ug/l		98
64) Tetrachloroethene	11.100	164	47256	20.887	ug/l		98
65) Chlorobenzene	11.888	112	134588	20.117	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	48625	20.221	ug/l		99
67) Ethyl Benzene	11.959	91	222002	21.184	ug/l		99
68) m/p-Xylenes	12.071	106	178774	44.909	ug/l		97
69) o-Xylene	12.394	106	81625	21.578	ug/l		97
70) Styrene	12.412	104	139738	21.331	ug/l		99
71) Bromoform	12.576	173	37954	21.241	ug/l	#	97
73) Isopropylbenzene	12.694	105	205977	20.557	ug/l		100
74) N-amyl acetate	12.488	43	75965	21.499	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	66697	19.344	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	63325m	19.491	ug/l		
77) Bromobenzene	12.976	156	53582	19.793	ug/l		94
78) n-propylbenzene	13.035	91	245662	21.408	ug/l		100
79) 2-Chlorotoluene	13.124	91	156311	20.387	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	178809	21.907	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	22842m	20.514	ug/l		
82) 4-Chlorotoluene	13.218	91	161545	21.253	ug/l		98
83) tert-Butylbenzene	13.435	119	142797	20.804	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	178289	22.078	ug/l		99
85) sec-Butylbenzene	13.612	105	206382	21.281	ug/l		99
86) p-Isopropyltoluene	13.729	119	167380	20.150	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	98140	19.350	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	101248	19.477	ug/l		99
89) n-Butylbenzene	14.053	91	136007	19.753	ug/l		98
90) Hexachloroethane	14.329	117	35650	19.411	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	95758	19.634	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11464	18.106	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	43547	18.738	ug/l		100
94) Hexachlorobutadiene	15.500	225	25307	17.918	ug/l		99
95) Naphthalene	15.635	128	117761	18.457	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	42653	18.282	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085917.D
Acq On : 10 Mar 2025 16:12
Operator : JC\MD
Sample : VN0310WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 01:37:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

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

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

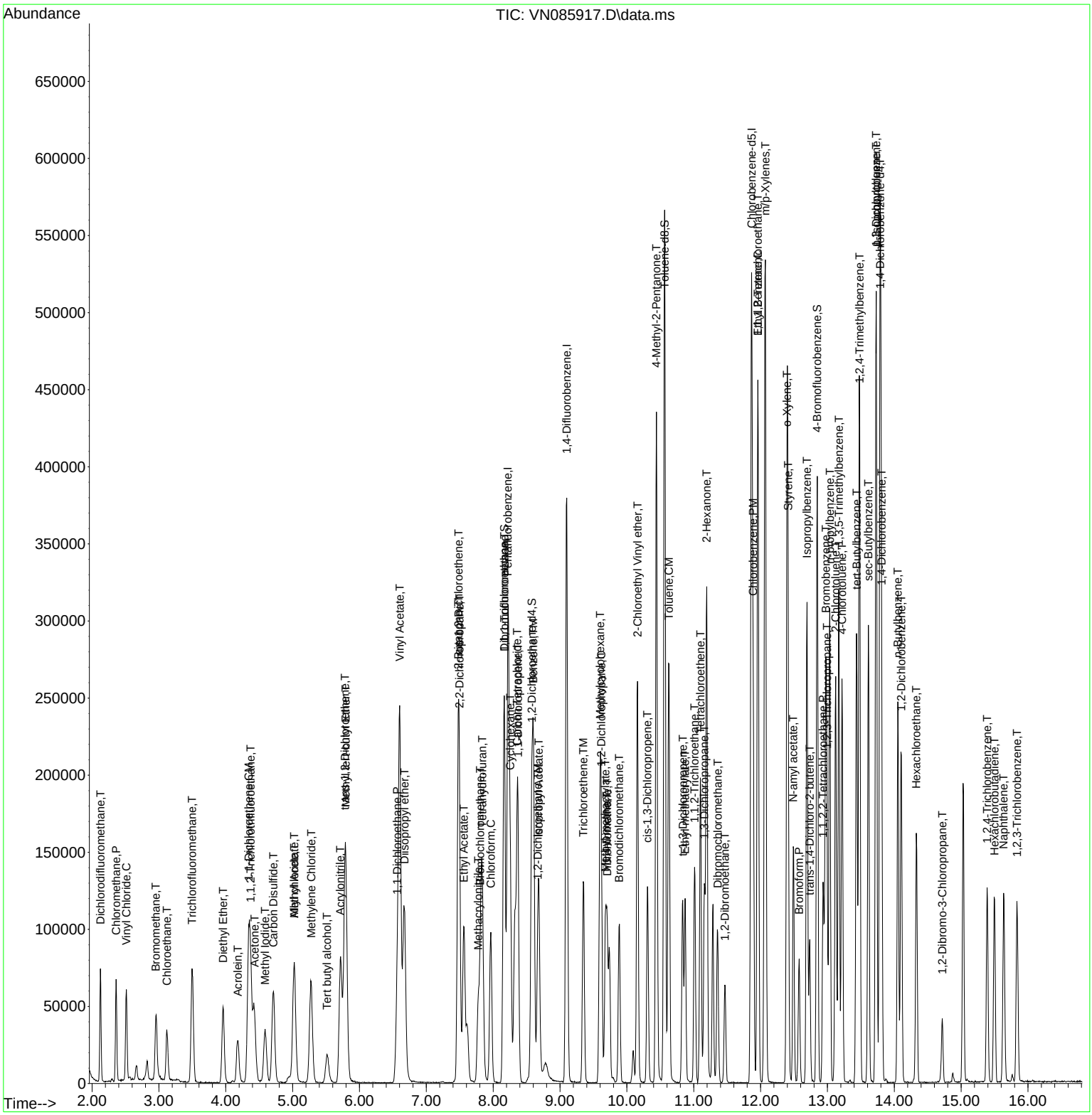
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085917.D
Acq On : 10 Mar 2025 16:12
Operator : JC\MD
Sample : VN0310WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 01:37:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085931.D
Acq On : 11 Mar 2025 14:54
Operator : JC\MD
Sample : VN0311WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 01:20:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	171959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104493	46.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.740%		
35) Dibromofluoromethane	8.165	113	86656	46.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.820%		
50) Toluene-d8	10.565	98	311283	46.315	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.620%		
62) 4-Bromofluorobenzene	12.847	95	107765	48.665	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.320%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	46040	19.684	ug/l	95
3) Chloromethane	2.359	50	43998	18.746	ug/l	100
4) Vinyl Chloride	2.512	62	43138	17.359	ug/l	98
5) Bromomethane	2.954	94	27066	17.033	ug/l	98
6) Chloroethane	3.118	64	25922	15.748	ug/l	98
7) Trichlorofluoromethane	3.495	101	68309	18.985	ug/l	97
8) Diethyl Ether	3.959	74	20408	17.530	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	39761	19.118	ug/l	98
10) Methyl Iodide	4.589	142	46990	18.329	ug/l	97
11) Tert butyl alcohol	5.518	59	24987	91.127	ug/l #	90
12) 1,1-Dichloroethene	4.342	96	35866	19.019	ug/l	97
13) Acrolein	4.171	56	36561	89.914	ug/l	95
14) Allyl chloride	5.024	41	45099	18.215	ug/l	94
15) Acrylonitrile	5.718	53	88991	99.833	ug/l	98
16) Acetone	4.424	43	64479	91.405	ug/l	97
17) Carbon Disulfide	4.712	76	110141	19.707	ug/l	99
18) Methyl Acetate	5.024	43	38972	16.062	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	103840	18.531	ug/l	99
20) Methylene Chloride	5.271	84	42432	18.704	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	37463	18.450	ug/l	88
22) Diisopropyl ether	6.671	45	111397	19.912	ug/l	98
23) Vinyl Acetate	6.600	43	368840	96.289	ug/l	99
24) 1,1-Dichloroethane	6.571	63	72568	19.081	ug/l	98
25) 2-Butanone	7.477	43	99858	96.221	ug/l	99
26) 2,2-Dichloropropane	7.489	77	62578	18.505	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	42379	18.000	ug/l	97
28) Bromochloromethane	7.812	49	37741	24.145	ug/l	92
29) Tetrahydrofuran	7.841	42	65823	98.221	ug/l	99
30) Chloroform	7.965	83	75940	19.108	ug/l	99
31) Cyclohexane	8.253	56	59584	18.712	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	67340	19.050	ug/l	97
36) 1,1-Dichloropropene	8.365	75	49565	18.958	ug/l	99
37) Ethyl Acetate	7.553	43	41433	19.258	ug/l	99
38) Carbon Tetrachloride	8.359	117	61348	19.749	ug/l	93
39) Methylcyclohexane	9.600	83	45454	17.697	ug/l	91
40) Benzene	8.600	78	165147	19.709	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085931.D
Acq On : 11 Mar 2025 14:54
Operator : JC\MD
Sample : VN0311WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 01:20:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	22880	19.893	ug/l		98
42) 1,2-Dichloroethane	8.665	62	54080	19.814	ug/l		98
43) Isopropyl Acetate	8.688	43	72385	18.830	ug/l		99
44) Trichloroethene	9.347	130	36357	17.671	ug/l		99
45) 1,2-Dichloropropane	9.618	63	39742	19.649	ug/l		99
46) Dibromomethane	9.706	93	28013	19.635	ug/l		97
47) Bromodichloromethane	9.883	83	58843	19.278	ug/l		98
48) Methyl methacrylate	9.677	41	30151	18.870	ug/l		98
49) 1,4-Dioxane	9.694	88	12170	400.527	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.441	43	211308	101.867	ug/l		98
52) Toluene	10.630	92	100609	20.483	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	53811	19.065	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	59621	19.264	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	38483	19.705	ug/l		97
56) Ethyl methacrylate	10.871	69	47794	18.623	ug/l		97
57) 1,3-Dichloropropane	11.159	76	63091	19.352	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	90341	96.936	ug/l		100
59) 2-Hexanone	11.194	43	146567	102.707	ug/l		99
60) Dibromochloromethane	11.353	129	44279	19.471	ug/l		98
61) 1,2-Dibromoethane	11.465	107	35743	19.371	ug/l		100
64) Tetrachloroethene	11.100	164	36978	19.074	ug/l		95
65) Chlorobenzene	11.888	112	106130	18.513	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	39196	19.022	ug/l		98
67) Ethyl Benzene	11.959	91	168567	18.771	ug/l		99
68) m/p-Xylenes	12.065	106	137476	40.303	ug/l		99
69) o-Xylene	12.394	106	61515	18.978	ug/l		100
70) Styrene	12.412	104	106050	19.044	ug/l		99
71) Bromoform	12.576	173	29845	19.493	ug/l	#	98
73) Isopropylbenzene	12.694	105	153371	17.442	ug/l		100
74) N-amyl acetate	12.494	43	55670	17.953	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	53621	17.721	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	55548m	19.483	ug/l		
77) Bromobenzene	12.976	156	41957	17.661	ug/l		96
78) n-propylbenzene	13.035	91	185851	18.455	ug/l		100
79) 2-Chlorotoluene	13.123	91	119676	17.787	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	135483	18.915	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	17168	17.570	ug/l		94
82) 4-Chlorotoluene	13.218	91	124042	18.596	ug/l		97
83) tert-Butylbenzene	13.435	119	101170	16.796	ug/l		95
84) 1,2,4-Trimethylbenzene	13.482	105	133778	18.877	ug/l		99
85) sec-Butylbenzene	13.612	105	150326	17.664	ug/l		99
86) p-Isopropyltoluene	13.729	119	121044	16.805	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	77221	17.350	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	76516	16.773	ug/l		97
89) n-Butylbenzene	14.053	91	95450	15.797	ug/l		96
90) Hexachloroethane	14.329	117	26658	16.540	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	74904	17.501	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8752	15.752	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	31181	15.289	ug/l		99
94) Hexachlorobutadiene	15.500	225	19246	15.528	ug/l		95
95) Naphthalene	15.641	128	78375	13.998	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	30568	14.930	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085931.D
Acq On : 11 Mar 2025 14:54
Operator : JC\MD
Sample : VN0311WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 01:20:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

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

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

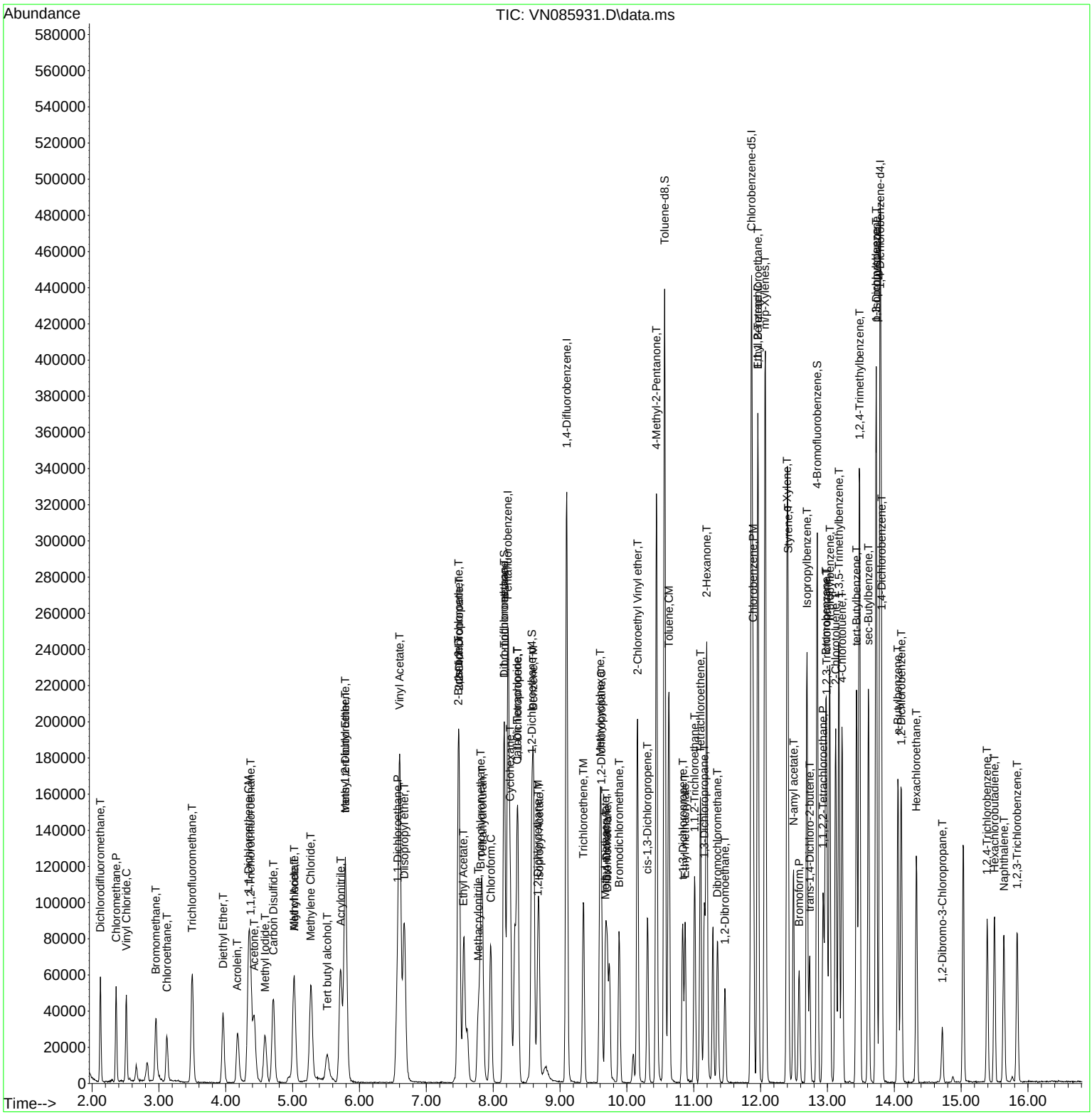
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085931.D
Acq On : 11 Mar 2025 14:54
Operator : JC\MD
Sample : VN0311WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 01:20:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021476.D
Acq On : 11 Mar 2025 11:03
Operator : SY/MD
Sample : VY0311SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 12 01:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	225793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	350967	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	312829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	162394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	125150	52.441	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.880%			
35) Dibromofluoromethane	7.634	113	122087	52.921	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.840%			
50) Toluene-d8	10.103	98	456082	52.214	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.420%			
62) 4-Bromofluorobenzene	12.407	95	155886	52.465	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	36522	17.626	ug/l	98
3) Chloromethane	2.068	50	57141	19.560	ug/l	98
4) Vinyl Chloride	2.202	62	63319	19.835	ug/l	96
5) Bromomethane	2.586	94	44828	19.429	ug/l	96
6) Chloroethane	2.732	64	45130	21.392	ug/l	98
7) Trichlorofluoromethane	3.049	101	92591	20.780	ug/l	98
8) Diethyl Ether	3.452	74	21657	17.538	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	44702	17.571	ug/l	97
10) Methyl Iodide	4.000	142	49215	19.031	ug/l	99
11) Tert butyl alcohol	4.848	59	14756	79.754	ug/l #	72
12) 1,1-Dichloroethene	3.781	96	41993	18.105	ug/l	93
13) Acrolein	3.653	56	14894	122.699	ug/l	92
14) Allyl chloride	4.378	41	67368	17.973	ug/l	99
15) Acrylonitrile	5.055	53	47717	90.776	ug/l	98
16) Acetone	3.860	43	60913	117.024	ug/l	93
17) Carbon Disulfide	4.098	76	128022	17.612	ug/l	100
18) Methyl Acetate	4.385	43	21593	18.696	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	101276	17.228	ug/l	97
20) Methylene Chloride	4.610	84	49393	18.077	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	46396	17.862	ug/l	98
22) Diisopropyl ether	6.018	45	149058	18.453	ug/l	94
23) Vinyl Acetate	5.957	43	402758	87.365	ug/l	99
24) 1,1-Dichloroethane	5.909	63	88873	18.641	ug/l	99
25) 2-Butanone	6.884	43	71454	99.237	ug/l	95
26) 2,2-Dichloropropane	6.878	77	79429	18.107	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	53763	18.219	ug/l	99
28) Bromochloromethane	7.238	49	39070	19.547	ug/l	99
29) Tetrahydrofuran	7.262	42	38712	87.089	ug/l	99
30) Chloroform	7.414	83	94319	19.052	ug/l	92
31) Cyclohexane	7.695	56	74535	16.676	ug/l	93
32) 1,1,1-Trichloroethane	7.610	97	83652	18.454	ug/l	99
36) 1,1-Dichloropropene	7.829	75	64167	17.769	ug/l	98
37) Ethyl Acetate	6.975	43	28552	17.889	ug/l	97
38) Carbon Tetrachloride	7.811	117	74788	18.008	ug/l	99
39) Methylcyclohexane	9.109	83	74823	16.892	ug/l	98
40) Benzene	8.073	78	194135	18.250	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021476.D
Acq On : 11 Mar 2025 11:03
Operator : SY/MD
Sample : VY0311SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 12 01:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	15407m	17.728	ug/l		
42) 1,2-Dichloroethane	8.152	62	53330	17.921	ug/l		98
43) Isopropyl Acetate	8.195	43	53006	17.108	ug/l	#	89
44) Trichloroethene	8.865	130	49991	18.597	ug/l		100
45) 1,2-Dichloropropane	9.140	63	46136	18.223	ug/l		97
46) Dibromomethane	9.225	93	26271	18.649	ug/l		100
47) Bromodichloromethane	9.420	83	69491	18.575	ug/l		100
48) Methyl methacrylate	9.219	41	24238	17.036	ug/l		98
49) 1,4-Dioxane	9.219	88	5395	390.187	ug/l	#	95
51) 4-Methyl-2-Pentanone	9.999	43	140438	87.848	ug/l		98
52) Toluene	10.170	92	122381	18.248	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	59746	18.127	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	70322	17.971	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	33841	18.365	ug/l		96
56) Ethyl methacrylate	10.438	69	40054	17.044	ug/l		99
57) 1,3-Dichloropropane	10.719	76	57273	17.933	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	99189	91.430	ug/l		98
59) 2-Hexanone	10.761	43	103124	97.556	ug/l		99
60) Dibromochloromethane	10.908	129	45567	18.038	ug/l		99
61) 1,2-Dibromoethane	11.011	107	31157	17.915	ug/l		99
64) Tetrachloroethene	10.646	164	49633	19.511	ug/l		95
65) Chlorobenzene	11.438	112	132210	17.897	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	47893	18.337	ug/l		99
67) Ethyl Benzene	11.517	91	226668	17.481	ug/l		98
68) m/p-Xylenes	11.627	106	177439	36.046	ug/l		100
69) o-Xylene	11.956	106	79371	17.495	ug/l		98
70) Styrene	11.969	104	133951	17.797	ug/l		99
71) Bromoform	12.133	173	25988	17.800	ug/l	#	97
73) Isopropylbenzene	12.255	105	218412	17.074	ug/l		99
74) N-amyl acetate	12.072	43	44220	15.917	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	37463	16.596	ug/l		97
76) 1,2,3-Trichloropropane	12.554	75	32127m	19.633	ug/l		
77) Bromobenzene	12.535	156	52645	17.591	ug/l		97
78) n-propylbenzene	12.596	91	266301	17.141	ug/l		99
79) 2-Chlorotoluene	12.682	91	154633	17.407	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	183525	17.654	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11100	15.420	ug/l		98
82) 4-Chlorotoluene	12.779	91	163638	17.789	ug/l		100
83) tert-Butylbenzene	12.999	119	159271	17.174	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	179459	17.387	ug/l		99
85) sec-Butylbenzene	13.176	105	236192	17.117	ug/l		100
86) p-Isopropyltoluene	13.291	119	197171	17.345	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	104308	17.510	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	103420	17.751	ug/l		99
89) n-Butylbenzene	13.621	91	182353	17.372	ug/l		99
90) Hexachloroethane	13.883	117	41489	17.108	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	90389	17.703	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5802	17.158	ug/l		96
93) 1,2,4-Trichlorobenzene	14.925	180	50841	18.230	ug/l		99
94) Hexachlorobutadiene	15.023	225	32185	18.411	ug/l		98
95) Naphthalene	15.145	128	73881	17.695	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	42109	17.953	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021476.D
Acq On : 11 Mar 2025 11:03
Operator : SY/MD
Sample : VY0311SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 12 01:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

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

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

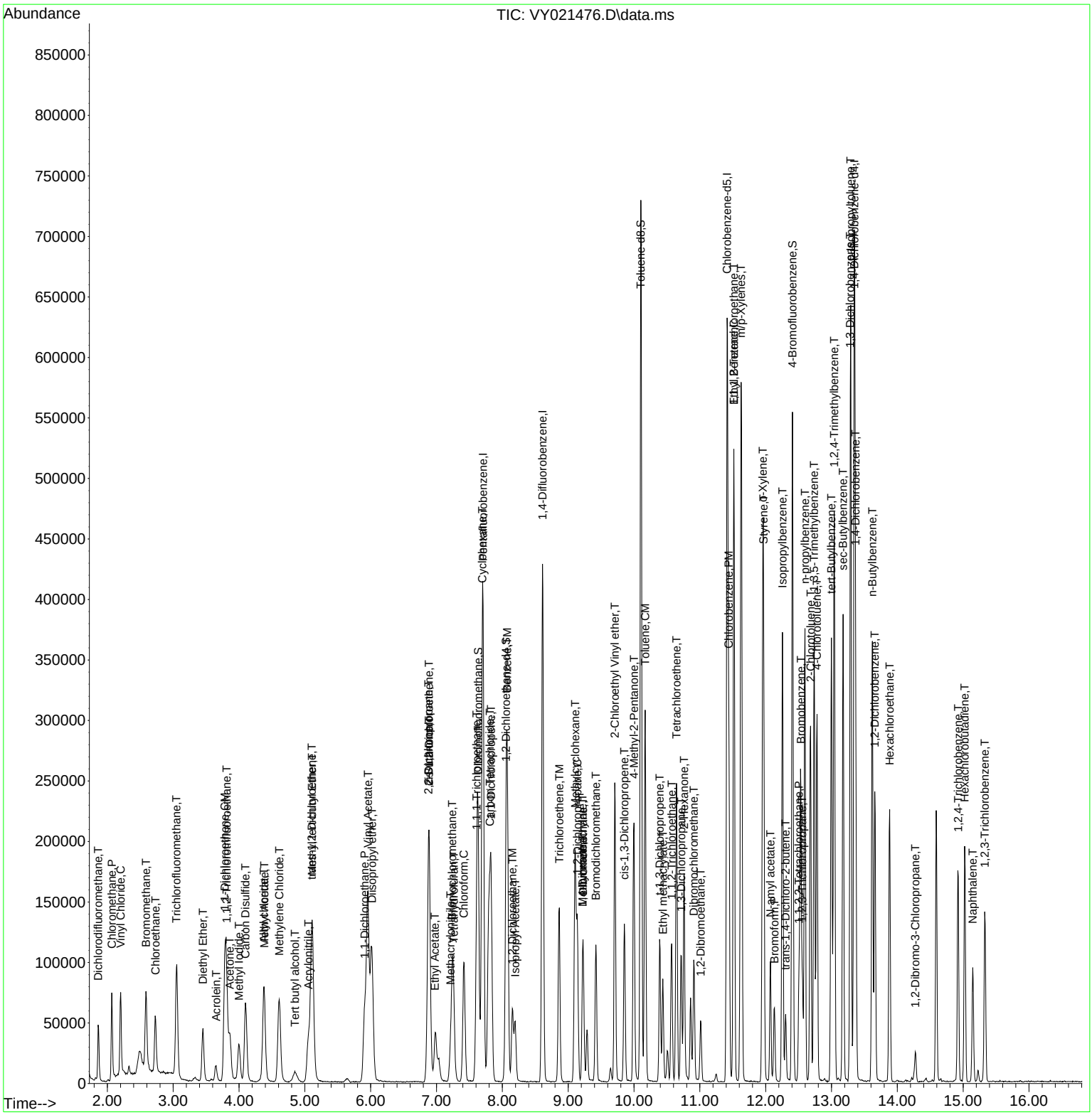
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021476.D
Acq On : 11 Mar 2025 11:03
Operator : SY/MD
Sample : VY0311SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 12 01:23:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085918.D
Acq On : 10 Mar 2025 16:47
Operator : JC\MD
Sample : VN0310WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 11 01:38:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	183155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116174	48.925	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.840%			
35) Dibromofluoromethane	8.165	113	93986	47.233	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.460%			
50) Toluene-d8	10.565	98	339498	46.895	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.780%			
62) 4-Bromofluorobenzene	12.847	95	120107	50.354	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	46937	18.841	ug/l	98
3) Chloromethane	2.359	50	47656	19.063	ug/l	94
4) Vinyl Chloride	2.512	62	46041	17.394	ug/l	100
5) Bromomethane	2.959	94	28253	16.693	ug/l	92
6) Chloroethane	3.118	64	28117	16.037	ug/l	96
7) Trichlorofluoromethane	3.495	101	68881	17.974	ug/l	90
8) Diethyl Ether	3.959	74	24195	19.513	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	40512	18.288	ug/l	97
10) Methyl Iodide	4.589	142	50184	18.378	ug/l	97
11) Tert butyl alcohol	5.518	59	26820	91.833	ug/l #	92
12) 1,1-Dichloroethene	4.336	96	37035	18.439	ug/l	98
13) Acrolein	4.177	56	35598	82.195	ug/l	99
14) Allyl chloride	5.030	41	50406	19.114	ug/l	94
15) Acrylonitrile	5.718	53	96295	101.423	ug/l	97
16) Acetone	4.424	43	67637	90.021	ug/l	88
17) Carbon Disulfide	4.718	76	117279	19.702	ug/l	97
18) Methyl Acetate	5.030	43	42724	16.532	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	117363	19.664	ug/l	99
20) Methylene Chloride	5.283	84	44771	18.529	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	39722	18.367	ug/l	90
22) Diisopropyl ether	6.671	45	122278	20.521	ug/l	98
23) Vinyl Acetate	6.600	43	432905m	106.106	ug/l	
24) 1,1-Dichloroethane	6.565	63	75247	18.576	ug/l	99
25) 2-Butanone	7.483	43	110910	100.337	ug/l	100
26) 2,2-Dichloropropane	7.483	77	64399	17.879	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	45332	18.077	ug/l	96
28) Bromochloromethane	7.812	49	37915	22.774	ug/l	93
29) Tetrahydrofuran	7.841	42	73328	102.731	ug/l	99
30) Chloroform	7.965	83	77346	18.272	ug/l	96
31) Cyclohexane	8.253	56	64840	19.118	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	69020	18.331	ug/l	97
36) 1,1-Dichloropropene	8.371	75	53538	19.011	ug/l	99
37) Ethyl Acetate	7.559	43	44178	19.063	ug/l	98
38) Carbon Tetrachloride	8.359	117	62407	18.651	ug/l	96
39) Methylcyclohexane	9.600	83	51371	18.568	ug/l	96
40) Benzene	8.606	78	173763	19.252	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085918.D
Acq On : 10 Mar 2025 16:47
Operator : JC\MD
Sample : VN0310WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 11 01:38:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	24897	20.096	ug/l		98
42) 1,2-Dichloroethane	8.671	62	55432	18.855	ug/l		100
43) Isopropyl Acetate	8.688	43	84853	20.541	ug/l		97
44) Trichloroethene	9.347	130	38294	17.280	ug/l		98
45) 1,2-Dichloropropane	9.624	63	42131	19.338	ug/l		94
46) Dibromomethane	9.706	93	29316	19.076	ug/l		98
47) Bromodichloromethane	9.882	83	61432	18.685	ug/l		99
48) Methyl methacrylate	9.677	41	33611	19.529	ug/l		97
49) 1,4-Dioxane	9.694	88	13683	418.066	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	230578	103.195	ug/l		99
52) Toluene	10.630	92	105004	19.846	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	60104	19.770	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	65714	19.711	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	38998	18.539	ug/l		96
56) Ethyl methacrylate	10.871	69	55699	20.042	ug/l		98
57) 1,3-Dichloropropane	11.159	76	68287	19.446	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	121081	119.643	ug/l		100
59) 2-Hexanone	11.194	43	158456	103.085	ug/l		99
60) Dibromochloromethane	11.359	129	46769	19.093	ug/l		99
61) 1,2-Dibromoethane	11.465	107	38641	19.441	ug/l		97
64) Tetrachloroethene	11.100	164	38276	18.499	ug/l		95
65) Chlorobenzene	11.888	112	110875	18.122	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	40601	18.462	ug/l		98
67) Ethyl Benzene	11.965	91	180891	18.874	ug/l		100
68) m/p-Xylenes	12.071	106	141229	38.793	ug/l		100
69) o-Xylene	12.394	106	65603	18.963	ug/l		97
70) Styrene	12.412	104	109997	18.542	ug/l		98
71) Bromoform	12.576	173	31071	19.014	ug/l	#	97
73) Isopropylbenzene	12.694	105	159608	17.836	ug/l		98
74) N-amyl acetate	12.494	43	61330	19.435	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	55549	18.039	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	46455m	16.011	ug/l		
77) Bromobenzene	12.976	156	42892	17.741	ug/l		92
78) n-propylbenzene	13.035	91	192527	18.786	ug/l		99
79) 2-Chlorotoluene	13.123	91	125420	18.316	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	139100	19.082	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	18124m	18.225	ug/l		
82) 4-Chlorotoluene	13.218	91	127707	18.813	ug/l		99
83) tert-Butylbenzene	13.435	119	108226	17.655	ug/l		94
84) 1,2,4-Trimethylbenzene	13.482	105	139106	19.288	ug/l		97
85) sec-Butylbenzene	13.612	105	157266	18.158	ug/l		99
86) p-Isopropyltoluene	13.729	119	127223	17.321	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	79599	17.573	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	78503	16.910	ug/l		97
89) n-Butylbenzene	14.053	91	104614	17.013	ug/l		97
90) Hexachloroethane	14.335	117	27755	16.921	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	75492	17.332	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10101	17.863	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	34346	16.548	ug/l		97
94) Hexachlorobutadiene	15.500	225	19667	15.591	ug/l		98
95) Naphthalene	15.641	128	94244	16.539	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	35969	17.262	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085918.D
Acq On : 10 Mar 2025 16:47
Operator : JC\MD
Sample : VN0310WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 11 01:38:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

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

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

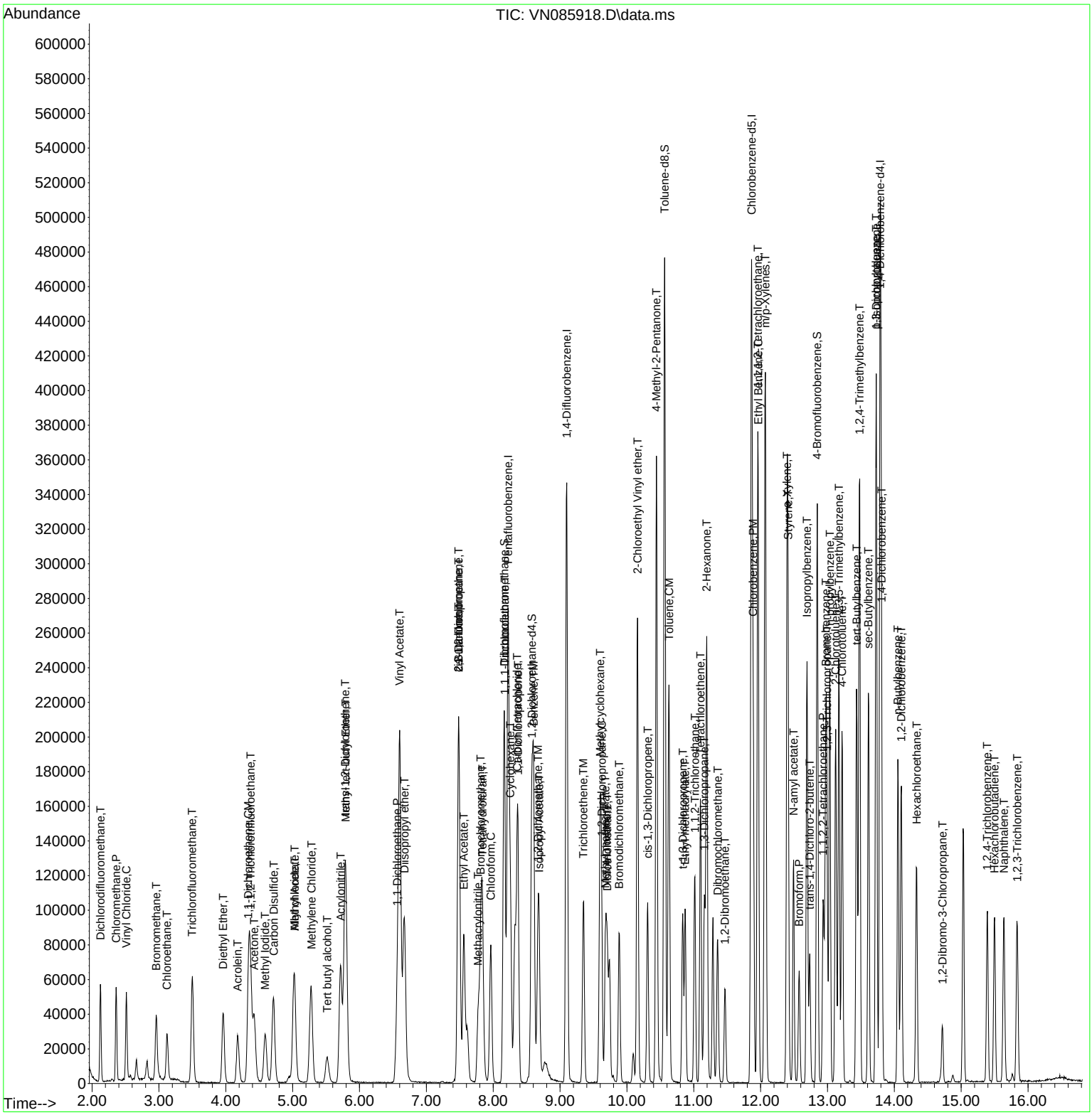
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
Data File : VN085918.D
Acq On : 10 Mar 2025 16:47
Operator : JC\MD
Sample : VN0310WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 11 01:38:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021477.D
Acq On : 11 Mar 2025 11:26
Operator : SY/MD
Sample : VY0311SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 01:23:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	205814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	320893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	289092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	118276	54.372	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.740%			
35) Dibromofluoromethane	7.634	113	111808	53.008	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.020%			
50) Toluene-d8	10.103	98	416806	52.190	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.380%			
62) 4-Bromofluorobenzene	12.407	95	143228	52.722	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	38513	20.391	ug/l	95
3) Chloromethane	2.068	50	57571	21.621	ug/l	96
4) Vinyl Chloride	2.202	62	67448	23.179	ug/l	96
5) Bromomethane	2.586	94	45581	21.673	ug/l	95
6) Chloroethane	2.726	64	44919	23.359	ug/l	98
7) Trichlorofluoromethane	3.049	101	90844	22.367	ug/l	97
8) Diethyl Ether	3.452	74	24779	22.015	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.811	101	49556	21.370	ug/l	99
10) Methyl Iodide	4.000	142	51867	22.004	ug/l	98
11) Tert butyl alcohol	4.854	59	17440	110.757	ug/l	100
12) 1,1-Dichloroethene	3.781	96	45043	21.305	ug/l	93
13) Acrolein	3.653	56	16689	150.833	ug/l	90
14) Allyl chloride	4.378	41	70483	20.630	ug/l	100
15) Acrylonitrile	5.055	53	54531	113.809	ug/l	97
16) Acetone	3.860	43	62206	131.109	ug/l	99
17) Carbon Disulfide	4.104	76	133379	20.131	ug/l	100
18) Methyl Acetate	4.378	43	25971	24.670	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	114604	21.387	ug/l	100
20) Methylene Chloride	4.610	84	52722	21.169	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	47703	20.148	ug/l	98
22) Diisopropyl ether	6.012	45	157492	21.390	ug/l	98
23) Vinyl Acetate	5.957	43	447652	106.530	ug/l	100
24) 1,1-Dichloroethane	5.909	63	91448	21.044	ug/l	99
25) 2-Butanone	6.896	43	78877	120.181	ug/l	100
26) 2,2-Dichloropropane	6.878	77	82324	20.589	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	56260	20.916	ug/l	98
28) Bromochloromethane	7.238	49	39935	21.920	ug/l	99
29) Tetrahydrofuran	7.256	42	45199	111.553	ug/l	99
30) Chloroform	7.414	83	97353	21.574	ug/l	92
31) Cyclohexane	7.695	56	78605	19.294	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	86126	20.845	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67500	20.444	ug/l	99
37) Ethyl Acetate	6.988	43	31780	21.778	ug/l	99
38) Carbon Tetrachloride	7.817	117	78099	20.568	ug/l	97
39) Methylcyclohexane	9.103	83	79572	19.648	ug/l	99
40) Benzene	8.079	78	203249	20.897	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021477.D
Acq On : 11 Mar 2025 11:26
Operator : SY/MD
Sample : VY0311SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 01:23:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	17550	22.087	ug/l		97
42) 1,2-Dichloroethane	8.158	62	59353	21.814	ug/l		100
43) Isopropyl Acetate	8.195	43	58991	20.824	ug/l	#	89
44) Trichloroethene	8.865	130	51146	20.810	ug/l		97
45) 1,2-Dichloropropane	9.140	63	50348	21.750	ug/l		95
46) Dibromomethane	9.231	93	28214	21.906	ug/l		100
47) Bromodichloromethane	9.420	83	71979	21.044	ug/l		96
48) Methyl methacrylate	9.219	41	27850	21.409	ug/l		99
49) 1,4-Dioxane	9.225	88	5956	471.132	ug/l	#	94
51) 4-Methyl-2-Pentanone	9.999	43	161289	110.346	ug/l		100
52) Toluene	10.170	92	128907	21.023	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	64650	21.454	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	75356	21.062	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	36516	21.674	ug/l		98
56) Ethyl methacrylate	10.438	69	45607	21.225	ug/l		99
57) 1,3-Dichloropropane	10.719	76	62886	21.536	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	113643	114.571	ug/l		99
59) 2-Hexanone	10.761	43	113250	117.176	ug/l		98
60) Dibromochloromethane	10.908	129	50383	21.813	ug/l		99
61) 1,2-Dibromoethane	11.011	107	34516	21.707	ug/l		100
64) Tetrachloroethene	10.646	164	51084	21.731	ug/l		96
65) Chlorobenzene	11.438	112	139893	20.492	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.511	131	50679	20.997	ug/l		98
67) Ethyl Benzene	11.517	91	238455	19.900	ug/l		99
68) m/p-Xylenes	11.627	106	184445	40.545	ug/l		100
69) o-Xylene	11.956	106	84386	20.127	ug/l		99
70) Styrene	11.968	104	142938	20.551	ug/l		99
71) Bromoform	12.127	173	28730	21.294	ug/l		97
73) Isopropylbenzene	12.255	105	227543	19.152	ug/l		99
74) N-amyl acetate	12.072	43	50844	19.706	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	42002	20.034	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	30015m	19.749	ug/l		
77) Bromobenzene	12.529	156	55801	20.076	ug/l		97
78) n-propylbenzene	12.596	91	280689	19.454	ug/l		99
79) 2-Chlorotoluene	12.682	91	161689	19.598	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	192316	19.919	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	12478	18.665	ug/l		98
82) 4-Chlorotoluene	12.779	91	168922	19.773	ug/l		100
83) tert-Butylbenzene	12.999	119	168838	19.603	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	190067	19.827	ug/l		99
85) sec-Butylbenzene	13.176	105	250973	19.584	ug/l		99
86) p-Isopropyltoluene	13.291	119	206101	19.522	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	111249	20.108	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	110455	20.414	ug/l		99
89) n-Butylbenzene	13.615	91	193943	19.894	ug/l		100
90) Hexachloroethane	13.883	117	43777	19.437	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	97785	20.621	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6592	20.990	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	54419	21.011	ug/l		98
94) Hexachlorobutadiene	15.023	225	35066	21.598	ug/l		99
95) Naphthalene	15.145	128	84955	21.408	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	46133	21.178	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021477.D
Acq On : 11 Mar 2025 11:26
Operator : SY/MD
Sample : VY0311SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 01:23:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

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

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

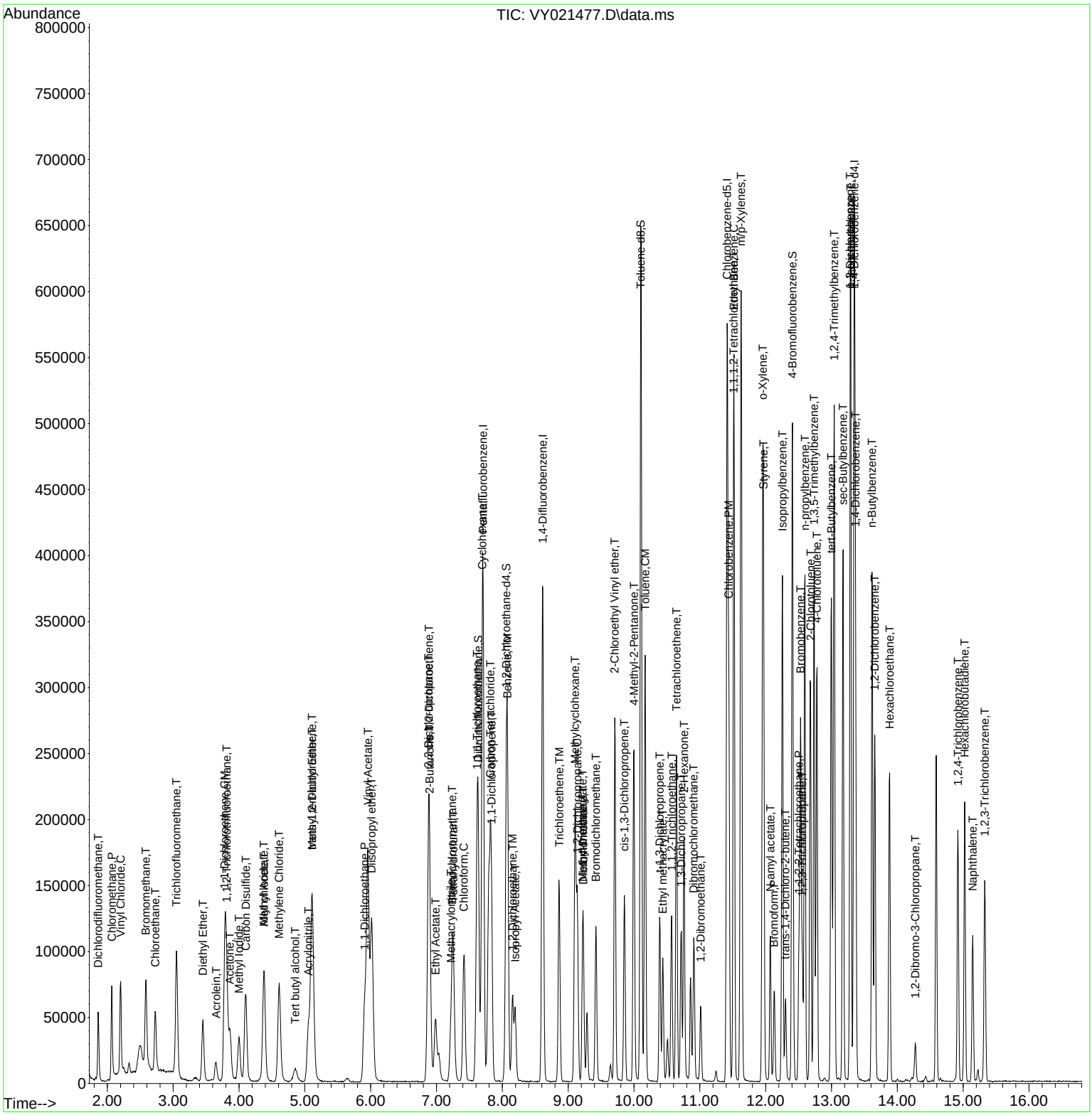
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031125\
Data File : VY021477.D
Acq On : 11 Mar 2025 11:26
Operator : SY/MD
Sample : VY0311SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 01:23:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0311SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025



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

Manual Integration Report

Sequence:	VN021825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085772.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:09 AM	MMDadoda	2/19/2025 12:44:43 PM	Peak Integrated by Software
VSTDICCC050	VN085773.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:14 AM	MMDadoda	2/19/2025 12:44:47 PM	Peak Integrated by Software
VSTDICC010	VN085775.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:23 AM	MMDadoda	2/19/2025 12:44:56 PM	Peak Integrated by Software
VSTDICC010	VN085775.D	Vinyl Acetate	JOHN	2/19/2025 9:44:23 AM	MMDadoda	2/19/2025 12:44:56 PM	Peak Integrated by Software
VSTDICC005	VN085776.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:27 AM	MMDadoda	2/19/2025 12:45:01 PM	Peak Integrated by Software
VSTDICC005	VN085776.D	Vinyl Acetate	JOHN	2/19/2025 9:44:27 AM	MMDadoda	2/19/2025 12:45:01 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	1,4-Dichlorobenzene	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	2,2-Dichloropropane	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	Allyl chloride	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	Diethyl Ether	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	Vinyl Acetate	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC020	VN085779.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:37 AM	MMDadoda	2/19/2025 12:45:09 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN021825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN085780.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:42 AM	MMDadoda	2/19/2025 12:45:13 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN031025	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085914.D	1,2,3-Trichloropropane	JOHN	3/11/2025 9:51:26 AM	MMDadoda	3/11/2025 3:09:17 PM	Peak Integrated by Software
VSTDCCC050	VN085914.D	trans-1,4-Dichloro-2-butene	JOHN	3/11/2025 9:51:26 AM	MMDadoda	3/11/2025 3:09:17 PM	Peak Integrated by Software
VN0310WBS01	VN085917.D	1,2,3-Trichloropropane	JOHN	3/11/2025 9:51:33 AM	MMDadoda	3/11/2025 3:08:48 PM	Peak Integrated by Software
VN0310WBS01	VN085917.D	Allyl chloride	JOHN	3/11/2025 9:51:33 AM	MMDadoda	3/11/2025 3:08:48 PM	Peak Integrated by Software
VN0310WBS01	VN085917.D	trans-1,4-Dichloro-2-butene	JOHN	3/11/2025 9:51:33 AM	MMDadoda	3/11/2025 3:08:48 PM	Peak Integrated by Software
VN0310WBSD01	VN085918.D	1,2,3-Trichloropropane	JOHN	3/11/2025 9:51:38 AM	MMDadoda	3/11/2025 3:08:49 PM	Peak Integrated by Software
VN0310WBSD01	VN085918.D	trans-1,4-Dichloro-2-butene	JOHN	3/11/2025 9:51:38 AM	MMDadoda	3/11/2025 3:08:49 PM	Peak Integrated by Software
VN0310WBSD01	VN085918.D	Vinyl Acetate	JOHN	3/11/2025 9:51:38 AM	MMDadoda	3/11/2025 3:08:49 PM	Peak Integrated by Software
VSTDCCC050	VN085926.D	1,2,3-Trichloropropane	JOHN	3/11/2025 9:51:48 AM	MMDadoda	3/11/2025 3:08:52 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN031125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085928.D	1,2,3-Trichloropropane	JOHN	3/12/2025 9:46:21 AM	MMDadoda	3/12/2025 3:16:48 PM	Peak Integrated by Software
VN0311WBS01	VN085931.D	1,2,3-Trichloropropane	JOHN	3/12/2025 9:46:26 AM	MMDadoda	3/12/2025 3:16:49 PM	Peak Integrated by Software
VSTDCCC050	VN085952.D	1,2,3-Trichloropropane	JOHN	3/12/2025 9:46:55 AM	MMDadoda	3/12/2025 3:16:58 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

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

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Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

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

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Manual Integration Report

Sequence:	vy031125	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021474.D	1,2,3-Trichloropropane	Romaben	3/12/2025 2:41:38 PM	MMDadoda	3/12/2025 3:16:21 PM	Peak Integrated by Software
VY0311SBS01	VY021476.D	1,2,3-Trichloropropane	Romaben	3/12/2025 2:41:42 PM	MMDadoda	3/12/2025 3:16:22 PM	Peak Integrated by Software
VY0311SBS01	VY021476.D	Methacrylonitrile	Romaben	3/12/2025 2:41:42 PM	MMDadoda	3/12/2025 3:16:22 PM	Peak Integrated by Software
VY0311SBSD01	VY021477.D	1,2,3-Trichloropropane	Romaben	3/12/2025 2:41:46 PM	MMDadoda	3/12/2025 3:16:23 PM	Peak Integrated by Software
VSTDCCC050	VY021499.D	1,2,3-Trichloropropane	Romaben	3/12/2025 2:42:03 PM	MMDadoda	3/12/2025 3:16:30 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN021825

Review By	John Carlone	Review On	2/19/2025 9:44:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:51 PM		
SubDirectory	VN021825	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133068
Initial Calibration Stds	VP133070,VP133071,VP133072,VP133073,VP133074,VP133075
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133076
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085771.D	18 Feb 2025 10:35	JC\MD	Ok
2	VSTDICC100	VN085772.D	18 Feb 2025 11:09	JC\MD	Ok,M
3	VSTDICCC050	VN085773.D	18 Feb 2025 11:32	JC\MD	Ok,M
4	VSTDICC020	VN085774.D	18 Feb 2025 11:56	JC\MD	Not Ok
5	VSTDICC010	VN085775.D	18 Feb 2025 12:20	JC\MD	Ok,M
6	VSTDICC005	VN085776.D	18 Feb 2025 12:43	JC\MD	Ok,M
7	VSTDICC001	VN085777.D	18 Feb 2025 13:07	JC\MD	Ok,M
8	IBLK	VN085778.D	18 Feb 2025 13:54	JC\MD	Ok
9	VSTDICC020	VN085779.D	18 Feb 2025 14:18	JC\MD	Ok,M
10	VSTDICV050	VN085780.D	18 Feb 2025 16:28	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031025

Review By	John Carlone	Review On	3/11/2025 9:56:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/11/2025 3:08:56 PM		
SubDirectory	VN031025	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133238
Initial Calibration Stds	
CCC	VP133239,VP133240
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085913.D	10 Mar 2025 10:54	JC\MD	Ok
2	VSTDCCC050	VN085914.D	10 Mar 2025 12:21	JC\MD	Ok,M
3	VN0310MBL01	VN085915.D	10 Mar 2025 12:58	JC\MD	Ok
4	VN0310WBL01	VN085916.D	10 Mar 2025 13:22	JC\MD	Ok
5	VN0310WBS01	VN085917.D	10 Mar 2025 16:12	JC\MD	Ok,M
6	VN0310WBSD01	VN085918.D	10 Mar 2025 16:47	JC\MD	Ok,M
7	Q1514-07	VN085919.D	10 Mar 2025 17:11	JC\MD	Ok
8	Q1514-08	VN085920.D	10 Mar 2025 17:35	JC\MD	Ok
9	Q1514-09	VN085921.D	10 Mar 2025 17:59	JC\MD	ReRun
10	Q1514-10	VN085922.D	10 Mar 2025 18:23	JC\MD	Ok
11	Q1516-03	VN085923.D	10 Mar 2025 18:47	JC\MD	Ok
12	Q1525-01	VN085924.D	10 Mar 2025 19:12	JC\MD	Not Ok
13	Q1522-02	VN085925.D	10 Mar 2025 19:35	JC\MD	Ok
14	VSTDCCC050	VN085926.D	10 Mar 2025 19:59	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031125

Review By	John Carlone	Review On	3/12/2025 9:49:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/12/2025 3:17:04 PM		
SubDirectory	VN031125	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133247
Initial Calibration Stds	
CCC	VP133248,VP133249
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085927.D	11 Mar 2025 12:12	JC\MD	Ok
2	VSTDCCC050	VN085928.D	11 Mar 2025 13:22	JC\MD	Ok,M
3	VN0311MBL01	VN085929.D	11 Mar 2025 13:56	JC\MD	Ok
4	VN0311WBL01	VN085930.D	11 Mar 2025 14:21	JC\MD	Ok
5	VN0311WBS01	VN085931.D	11 Mar 2025 14:54	JC\MD	Ok,M
6	VN0311WBSD01	VN085932.D	11 Mar 2025 15:28	JC\MD	Ok,M
7	PB167050TB	VN085933.D	11 Mar 2025 15:52	JC\MD	Ok
8	Q1514-09	VN085934.D	11 Mar 2025 16:16	JC\MD	Ok
9	PB167050ZHE#02	VN085935.D	11 Mar 2025 16:40	JC\MD	Ok
10	PB167050ZHE#03	VN085936.D	11 Mar 2025 17:04	JC\MD	Ok
11	PB167050ZHE#04	VN085937.D	11 Mar 2025 17:28	JC\MD	Ok
12	PB167050ZHE#05	VN085938.D	11 Mar 2025 17:52	JC\MD	Ok
13	PB167050ZHE#06	VN085939.D	11 Mar 2025 18:16	JC\MD	Ok
14	PB167050ZHE#07	VN085940.D	11 Mar 2025 18:40	JC\MD	Ok
15	PB167050ZHE#08	VN085941.D	11 Mar 2025 19:04	JC\MD	Ok
16	PB167050ZHE#09	VN085942.D	11 Mar 2025 19:29	JC\MD	Ok
17	Q1534-06	VN085943.D	11 Mar 2025 19:53	JC\MD	Ok,M
18	Q1534-12	VN085944.D	11 Mar 2025 20:17	JC\MD	Ok,M
19	Q1534-18	VN085945.D	11 Mar 2025 20:41	JC\MD	Ok,M
20	Q1534-24	VN085946.D	11 Mar 2025 21:05	JC\MD	Ok,M
21	Q1514-02	VN085947.D	11 Mar 2025 21:29	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031125

Review By	John Carlone	Review On	3/12/2025 9:49:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/12/2025 3:17:04 PM		
SubDirectory	VN031125	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133247
Initial Calibration Stds	
CCC	VP133248,VP133249
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1514-04	VN085948.D	11 Mar 2025 21:53	JC\MD	Ok
23	Q1514-06	VN085949.D	11 Mar 2025 22:17	JC\MD	Ok
24	Q1523-01	VN085950.D	11 Mar 2025 22:41	JC\MD	Ok
25	Q1523-04	VN085951.D	11 Mar 2025 23:05	JC\MD	Ok
26	VSTDCCC050	VN085952.D	11 Mar 2025 23:29	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

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

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

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

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY031125

Review By	Mahesh Dadoda	Review On	3/12/2025 3:16:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/12/2025 3:17:58 PM		
SubDirectory	VY031125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133241
Initial Calibration Stds	
CCC	VP133242,VP133243
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021473.D	11 Mar 2025 09:00	SY/MD	Ok
2	VSTDCCC050	VY021474.D	11 Mar 2025 09:42	SY/MD	Ok,M
3	VY0311SBL01	VY021475.D	11 Mar 2025 10:12	SY/MD	Ok
4	VY0311SBS01	VY021476.D	11 Mar 2025 11:03	SY/MD	Ok,M
5	VY0311SBSD01	VY021477.D	11 Mar 2025 11:26	SY/MD	Ok,M
6	Q1463-02	VY021478.D	11 Mar 2025 12:01	SY/MD	Ok,M
7	Q1507-01	VY021479.D	11 Mar 2025 12:24	SY/MD	Not Ok
8	Q1514-05	VY021480.D	11 Mar 2025 12:48	SY/MD	Ok
9	Q1514-03	VY021481.D	11 Mar 2025 13:11	SY/MD	Ok
10	Q1514-01	VY021482.D	11 Mar 2025 13:35	SY/MD	Ok
11	Q1515-02	VY021483.D	11 Mar 2025 13:58	SY/MD	Not Ok
12	Q1508-01RE	VY021484.D	11 Mar 2025 14:21	SY/MD	Confirms
13	Q1535-01	VY021485.D	11 Mar 2025 14:45	SY/MD	Not Ok
14	Q1524-01	VY021486.D	11 Mar 2025 15:08	SY/MD	ReRun
15	Q1524-02	VY021487.D	11 Mar 2025 15:32	SY/MD	ReRun
16	Q1494-05	VY021488.D	11 Mar 2025 15:55	SY/MD	Not Ok
17	Q1524-01RE	VY021489.D	11 Mar 2025 16:18	SY/MD	Confirms
18	Q1524-02RE	VY021490.D	11 Mar 2025 16:42	SY/MD	Confirms
19	Q1494-03	VY021491.D	11 Mar 2025 17:05	SY/MD	Not Ok
20	Q1494-07	VY021492.D	11 Mar 2025 17:29	SY/MD	Not Ok
21	Q1508-01	VY021493.D	11 Mar 2025 17:52	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY031125

Review By	Mahesh Dadoda	Review On	3/12/2025 3:16:35 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/12/2025 3:17:58 PM				
SubDirectory	VY031125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133241
Initial Calibration Stds	
CCC	VP133242,VP133243
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1534-02	VY021494.D	11 Mar 2025 18:16	SY/MD	Ok
23	Q1534-08	VY021495.D	11 Mar 2025 18:39	SY/MD	Ok
24	Q1534-14	VY021496.D	11 Mar 2025 19:02	SY/MD	Ok
25	Q1534-20	VY021497.D	11 Mar 2025 19:26	SY/MD	Ok
26	VY0311SBS02	VY021498.D	11 Mar 2025 19:49	SY/MD	Not Ok
27	VSTDCCC050	VY021499.D	11 Mar 2025 20:11	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN021825

Review By	John Carlone	Review On	2/19/2025 9:44:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:51 PM		
SubDirectory	VN021825	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133068
Initial Calibration Stds	VP133070,VP133071,VP133072,VP133073,VP133074,VP133075
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133076
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085771.D	18 Feb 2025 10:35		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN085772.D	18 Feb 2025 11:09	Comp.#43 is on Linear Regression	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN085773.D	18 Feb 2025 11:32	Comp.#56,58,70,86 is on Quadratic Regression	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN085774.D	18 Feb 2025 11:56	Not used	JC\MD	Not Ok
5	VSTDICC010	VSTDICC010	VN085775.D	18 Feb 2025 12:20		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN085776.D	18 Feb 2025 12:43	%D failed for Comp. #58 in 01PPB, 05PPB and 20PPB	JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN085777.D	18 Feb 2025 13:07		JC\MD	Ok,M
8	IBLK	IBLK	VN085778.D	18 Feb 2025 13:54		JC\MD	Ok
9	VSTDICC020	VSTDICC020	VN085779.D	18 Feb 2025 14:18		JC\MD	Ok,M
10	VSTDICV050	ICVVN021825	VN085780.D	18 Feb 2025 16:28	ICV Failed for comp. #95	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031025

Review By	John Carlone	Review On	3/11/2025 9:56:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/11/2025 3:08:56 PM		
SubDirectory	VN031025	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133238
Initial Calibration Stds	
CCC	VP133239,VP133240
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	VN085913.D	10 Mar 2025 10:54		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085914.D	10 Mar 2025 12:21	CCAL failed high for comp. #68,69	JC\MD	Ok,M
3	VN0310MBL01	VN0310MBL01	VN085915.D	10 Mar 2025 12:58		JC\MD	Ok
4	VN0310WBL01	VN0310WBL01	VN085916.D	10 Mar 2025 13:22		JC\MD	Ok
5	VN0310WBS01	VN0310WBS01	VN085917.D	10 Mar 2025 16:12	BS failed high for comp. #68	JC\MD	Ok,M
6	VN0310WBSD01	VN0310WBSD01	VN085918.D	10 Mar 2025 16:47		JC\MD	Ok,M
7	Q1514-07	ENV-105-GW01	VN085919.D	10 Mar 2025 17:11	vial A pH<2	JC\MD	Ok
8	Q1514-08	ENV-103-GW01	VN085920.D	10 Mar 2025 17:35	vial A pH<2	JC\MD	Ok
9	Q1514-09	FB03062025	VN085921.D	10 Mar 2025 17:59	vial A pH<2 FB;Hit of comp.#16	JC\MD	ReRun
10	Q1514-10	TB03062025	VN085922.D	10 Mar 2025 18:23	vial A pH<2 TB	JC\MD	Ok
11	Q1516-03	GAS-AUD-25-0026	VN085923.D	10 Mar 2025 18:47	vial A pH<2	JC\MD	Ok
12	Q1525-01	MW10	VN085924.D	10 Mar 2025 19:12	vial A pH<2 RT shifted; CCAL failed high for comp. #68,69;	JC\MD	Not Ok
13	Q1522-02	TW-WTS-04	VN085925.D	10 Mar 2025 19:35	vial A pH<2	JC\MD	Ok
14	VSTDCCC050	VSTDCCC050EC	VN085926.D	10 Mar 2025 19:59		JC\MD	Ok,M

M : Manual Integration

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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 # VN031125

Review By	John Carlone	Review On	3/12/2025 9:49:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/12/2025 3:17:04 PM		
SubDirectory	VN031125	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133247
Initial Calibration Stds	
CCC	VP133248,VP133249
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	VN085927.D	11 Mar 2025 12:12		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085928.D	11 Mar 2025 13:22	pH#Lot#V12668	JC\MD	Ok,M
3	VN0311MBL01	VN0311MBL01	VN085929.D	11 Mar 2025 13:56		JC\MD	Ok
4	VN0311WBL01	VN0311WBL01	VN085930.D	11 Mar 2025 14:21		JC\MD	Ok
5	VN0311WBS01	VN0311WBS01	VN085931.D	11 Mar 2025 14:54		JC\MD	Ok,M
6	VN0311WBSD01	VN0311WBSD01	VN085932.D	11 Mar 2025 15:28		JC\MD	Ok,M
7	PB167050TB	PB167050TB	VN085933.D	11 Mar 2025 15:52		JC\MD	Ok
8	Q1514-09	FB03062025	VN085934.D	11 Mar 2025 16:16	vial B pH<2 FB	JC\MD	Ok
9	PB167050ZHE#02	PB167050ZHE#02	VN085935.D	11 Mar 2025 16:40		JC\MD	Ok
10	PB167050ZHE#03	PB167050ZHE#03	VN085936.D	11 Mar 2025 17:04		JC\MD	Ok
11	PB167050ZHE#04	PB167050ZHE#04	VN085937.D	11 Mar 2025 17:28		JC\MD	Ok
12	PB167050ZHE#05	PB167050ZHE#05	VN085938.D	11 Mar 2025 17:52		JC\MD	Ok
13	PB167050ZHE#06	PB167050ZHE#06	VN085939.D	11 Mar 2025 18:16		JC\MD	Ok
14	PB167050ZHE#07	PB167050ZHE#07	VN085940.D	11 Mar 2025 18:40		JC\MD	Ok
15	PB167050ZHE#08	PB167050ZHE#08	VN085941.D	11 Mar 2025 19:04		JC\MD	Ok
16	PB167050ZHE#09	PB167050ZHE#09	VN085942.D	11 Mar 2025 19:29		JC\MD	Ok
17	Q1534-06	OR-363-COMP-16	VN085943.D	11 Mar 2025 19:53	vial A pH#5.0	JC\MD	Ok,M
18	Q1534-12	OR-363-COMP-17	VN085944.D	11 Mar 2025 20:17	vial A pH#5.0	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031125

Review By	John Carlone	Review On	3/12/2025 9:49:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/12/2025 3:17:04 PM		
SubDirectory	VN031125	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133247
Initial Calibration Stds	
CCC	VP133248,VP133249
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1534-18	OR-363-COMP-18	VN085945.D	11 Mar 2025 20:41	vial A pH#5.0	JC\MD	Ok,M
20	Q1534-24	OR-363OR-363-COMP	VN085946.D	11 Mar 2025 21:05	vial A pH#5.0	JC\MD	Ok,M
21	Q1514-02	ENV-105-SB01	VN085947.D	11 Mar 2025 21:29	vial A pH#5.0	JC\MD	Ok
22	Q1514-04	ENV-105-SB02	VN085948.D	11 Mar 2025 21:53	vial A pH#5.0	JC\MD	Ok
23	Q1514-06	ENV-103-SB01	VN085949.D	11 Mar 2025 22:17	vial A pH#5.0	JC\MD	Ok
24	Q1523-01	WC-A1-01-G	VN085950.D	11 Mar 2025 22:41	vial A pH#5.0	JC\MD	Ok
25	Q1523-04	WC-A1-02-G	VN085951.D	11 Mar 2025 23:05	vial A pH#5.0	JC\MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VN085952.D	11 Mar 2025 23:29		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

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

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

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

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY031125

Review By	Mahesh Dadoda	Review On	3/12/2025 3:16:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/12/2025 3:17:58 PM		
SubDirectory	VY031125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133241
Initial Calibration Stds	
CCC	VP133242,VP133243
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021473.D	11 Mar 2025 09:00		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021474.D	11 Mar 2025 09:42		SY/MD	Ok,M
3	VY0311SBL01	VY0311SBL01	VY021475.D	11 Mar 2025 10:12		SY/MD	Ok
4	VY0311SBS01	VY0311SBS01	VY021476.D	11 Mar 2025 11:03		SY/MD	Ok,M
5	VY0311SBSD01	VY0311SBSD01	VY021477.D	11 Mar 2025 11:26		SY/MD	Ok,M
6	Q1463-02	T2	VY021478.D	11 Mar 2025 12:01	Vial-B	SY/MD	Ok,M
7	Q1507-01	50-MIDDLESEX-AVE	VY021479.D	11 Mar 2025 12:24	Vial-B Not purge	SY/MD	Not Ok
8	Q1514-05	ENV-103-SB01	VY021480.D	11 Mar 2025 12:48	Vial-B	SY/MD	Ok
9	Q1514-03	ENV-105-SB02	VY021481.D	11 Mar 2025 13:11	Vial-B	SY/MD	Ok
10	Q1514-01	ENV-105-SB01	VY021482.D	11 Mar 2025 13:35	Vial-B	SY/MD	Ok
11	Q1515-02	AU-06-030625-E2	VY021483.D	11 Mar 2025 13:58	Vial-B Not purge	SY/MD	Not Ok
12	Q1508-01RE	RBR251372RE	VY021484.D	11 Mar 2025 14:21	Vial-B Internal Standard Fail; Surrogate Fail	SY/MD	Confirms
13	Q1535-01	SU-03-03102025	VY021485.D	11 Mar 2025 14:45	Vial-A Not purge	SY/MD	Not Ok
14	Q1524-01	72-11930-343-COMP	VY021486.D	11 Mar 2025 15:08	Vial-A ISTD Fail	SY/MD	ReRun
15	Q1524-02	VNJ-241	VY021487.D	11 Mar 2025 15:32	Vial-A ISTD Fail	SY/MD	ReRun
16	Q1494-05	SOIL	VY021488.D	11 Mar 2025 15:55	Vial-B Not purge	SY/MD	Not Ok
17	Q1524-01RE	72-11930-343-COMPRI	VY021489.D	11 Mar 2025 16:18	Vial-B ISTD Fail	SY/MD	Confirms

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY031125

Review By	Mahesh Dadoda	Review On	3/12/2025 3:16:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/12/2025 3:17:58 PM		
SubDirectory	VY031125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133241
Initial Calibration Stds	
CCC	VP133242,VP133243
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1524-02RE	VNJ-241RE	VY021490.D	11 Mar 2025 16:42	Vial-B ISTD Fail	SY/MD	Confirms
19	Q1494-03	ASPHALT-SOIL	VY021491.D	11 Mar 2025 17:05	Vial-B Not purge	SY/MD	Not Ok
20	Q1494-07	SOIL-COMP	VY021492.D	11 Mar 2025 17:29	Vial-B Not purge	SY/MD	Not Ok
21	Q1508-01	RBR251372	VY021493.D	11 Mar 2025 17:52	Not purge	SY/MD	Not Ok
22	Q1534-02	OR-363-VOC-16	VY021494.D	11 Mar 2025 18:16	Vial-A	SY/MD	Ok
23	Q1534-08	OR-363-VOC-17	VY021495.D	11 Mar 2025 18:39	Vial-A	SY/MD	Ok
24	Q1534-14	OR-363-VOC-18	VY021496.D	11 Mar 2025 19:02	Vial-A	SY/MD	Ok
25	Q1534-20	OR-363-VOC-19	VY021497.D	11 Mar 2025 19:26	Vial-A	SY/MD	Ok
26	VY0311SBS02	VY0311SBS02	VY021498.D	11 Mar 2025 19:49	Not Required	SY/MD	Not Ok
27	VSTDCCC050	VSTDCCC050EC	VY021499.D	11 Mar 2025 20:11		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-01	**ENV-105-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			VOC-TCLVOA-10	8260D			03/11/25	
Q1514-02	**ENV-105-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP VOA	8260D			03/11/25	
Q1514-03	**ENV-105-SB02**	**SOIL**			**03/05/25**			**03/06/25**
			VOC-TCLVOA-10	8260D			03/11/25	
Q1514-04	**ENV-105-SB02**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP VOA	8260D			03/11/25	
Q1514-05	**ENV-103-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			VOC-TCLVOA-10	8260D			03/11/25	
Q1514-06	**ENV-103-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP VOA	8260D			03/11/25	
Q1514-07	**ENV-105-GW01**	**Water**			**03/05/25**			**03/06/25**
			VOC-TCLVOA-10	8260-Low			03/10/25	
Q1514-08	**ENV-103-GW01**	**Water**			**03/05/25**			**03/06/25**
			VOC-TCLVOA-10	8260-Low			03/10/25	
Q1514-09	**FB03062025**	**Water**			**03/06/25**			**03/06/25**
			VOC-TCLVOA-10	8260-Low			03/11/25	
Q1514-10	**TB03062025**	**Water**			**03/06/25**			**03/06/25**
			VOC-TCLVOA-10	8260-Low			03/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1514

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-02	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
VN085947.D	1		03/11/25 21:29	VN031125

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	59.3		70 (74) - 130 (125)	119%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.7		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	154000	8.224			
540-36-3	1,4-Difluorobenzene	299000	9.1			
3114-55-4	Chlorobenzene-d5	282000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	99500	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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-04	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
VN085948.D	1		03/11/25 21:53	VN031125

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	59.8		70 (74) - 130 (125)	120%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	150000	8.224			
540-36-3	1,4-Difluorobenzene	296000	9.1			
3114-55-4	Chlorobenzene-d5	287000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	110000	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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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-06	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
VN085949.D	1		03/11/25 22:17	VN031125

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	58.2		70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	159000	8.224			
540-36-3	1,4-Difluorobenzene	316000	9.1			
3114-55-4	Chlorobenzene-d5	300000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	111000	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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1514-02	ENV-105-SB01	1,2-Dichloroethane-d4	50	59.3	119	70 (74)	130 (125)
		Dibromofluoromethane	50	51.0	102	70 (75)	130 (124)
		Toluene-d8	50	51.7	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.5	95	70 (77)	130 (121)
Q1514-04	ENV-105-SB02	1,2-Dichloroethane-d4	50	59.8	120	70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.4	99	70 (77)	130 (121)
Q1514-06	ENV-103-SB01	1,2-Dichloroethane-d4	50	58.2	116	70 (74)	130 (125)
		Dibromofluoromethane	50	49.1	98	70 (75)	130 (124)
		Toluene-d8	50	49.8	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.3	95	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN0311WBL01	VN0311WBL01	1,2-Dichloroethane-d4	50	56.1	112	70 (74)	130 (125)
		Dibromofluoromethane	50	49.0	98	70 (75)	130 (124)
		Toluene-d8	50	44.5	89	70 (86)	130 (113)
		4-Bromofluorobenzene	50	42.2	84	70 (77)	130 (121)
VN0311WBS01	VN0311WBS01	1,2-Dichloroethane-d4	50	46.9	94	70 (74)	130 (125)
		Dibromofluoromethane	50	46.9	94	70 (75)	130 (124)
		Toluene-d8	50	46.3	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.7	97	70 (77)	130 (121)
VN0311WBSD0	VN0311WBSD01	1,2-Dichloroethane-d4	50	47.6	95	70 (74)	130 (125)
		Dibromofluoromethane	50	47.6	95	70 (75)	130 (124)
		Toluene-d8	50	46.6	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.2	100	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085931.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0311WBS01	Vinyl chloride	20	17.4	ug/L	87			70 (65)	130 (117)	
	1,1-Dichloroethene	20	19.0	ug/L	95			70 (74)	130 (110)	
	2-Butanone	100	96.2	ug/L	96			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.7	ug/L	99			70 (77)	130 (113)	
	Chloroform	20	19.1	ug/L	96			70 (79)	130 (113)	
	Benzene	20	19.7	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.8	ug/L	99			70 (80)	130 (115)	
	Trichloroethene	20	17.7	ug/L	89			70 (77)	130 (113)	
	Tetrachloroethene	20	19.1	ug/L	96			70 (67)	130 (123)	
	Chlorobenzene	20	18.5	ug/L	93			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN085932.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0311WBSD01	Vinyl chloride	20	17.7	ug/L	89	2		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	18.6	ug/L	93	2		70 (74)	130 (110)	20 (20)
	2-Butanone	100	100	ug/L	100	4		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	20.2	ug/L	101	2		70 (77)	130 (113)	20 (20)
	Chloroform	20	19.0	ug/L	95	1		70 (79)	130 (113)	20 (20)
	Benzene	20	19.8	ug/L	99	0		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.2	ug/L	101	2		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.0	ug/L	90	1		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	18.4	ug/L	92	4		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	18.3	ug/L	92	1		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0311WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085930.D Lab Sample ID: VN0311WBL01

Date Analyzed: 03/11/2025 Time Analyzed: 14:21

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
VN0311WBS01	VN0311WBS01	VN085931.D	03/11/2025
VN0311WBSD01	VN0311WBSD01	VN085932.D	03/11/2025
ENV-105-SB01	Q1514-02	VN085947.D	03/11/2025
ENV-105-SB02	Q1514-04	VN085948.D	03/11/2025
ENV-103-SB01	Q1514-06	VN085949.D	03/11/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085771.D BFB Injection Date: 02/18/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:35

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	18.1
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.9 (96.5) 1
177	5.0 - 9.0% of mass 176	5.4 (6.9) 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	VN085772.D	02/18/2025	11:09
VSTDICCC050	VSTDICCC050	VN085773.D	02/18/2025	11:32
VSTDICC010	VSTDICC010	VN085775.D	02/18/2025	12:20
VSTDICC005	VSTDICC005	VN085776.D	02/18/2025	12:43
VSTDICC001	VSTDICC001	VN085777.D	02/18/2025	13:07
VSTDICC020	VSTDICC020	VN085779.D	02/18/2025	14:18

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085927.D BFB Injection Date: 03/11/2025

Instrument ID: MSVOA_N BFB Injection Time: 12:12

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	16.4
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	78.8
175	5.0 - 9.0% of mass 174	5.7 (7.3) 1
176	95.0 - 101.0% of mass 174	75.9 (96.3) 1
177	5.0 - 9.0% of mass 176	4.9 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN085928.D	03/11/2025	13:22
VN0311WBL01	VN0311WBL01	VN085930.D	03/11/2025	14:21
VN0311WBS01	VN0311WBS01	VN085931.D	03/11/2025	14:54
VN0311WBSD01	VN0311WBSD01	VN085932.D	03/11/2025	15:28
ENV-105-SB01	Q1514-02	VN085947.D	03/11/2025	21:29
ENV-105-SB02	Q1514-04	VN085948.D	03/11/2025	21:53
ENV-103-SB01	Q1514-06	VN085949.D	03/11/2025	22:17

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085928.D Date Analyzed: 03/11/2025

Instrument ID: MSVOA_N Time Analyzed: 13:22

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	193697	8.22	310218	9.10	283255	11.87
UPPER LIMIT	387394	8.724	620436	9.6	566510	12.365
LOWER LIMIT	96848.5	7.724	155109	8.6	141628	11.365
EPA SAMPLE NO.						
ENV-105-SB01	154053	8.22	299260	9.10	282311	11.87
ENV-105-SB02	150437	8.22	296435	9.10	287045	11.87
ENV-103-SB01	159259	8.22	315656	9.10	300142	11.87
VN0311WBL01	166099	8.22	319285	9.10	277562	11.87
VN0311WBS01	171959	8.22	282309	9.10	250243	11.87
VN0311WBSD01	166815	8.22	269902	9.10	244088	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: VN085928.D Date Analyzed: 03/11/2025

Instrument ID: MSVOA_N Time Analyzed: 13:22

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

	IS4 AREA #	RT #				
12 HOUR STD	153775	13.788				
UPPER LIMIT	307550	14.288				
LOWER LIMIT	76887.5	13.288				
EPA SAMPLE NO.						
ENV-105-SB01	99543	13.79				
ENV-105-SB02	110049	13.79				
ENV-103-SB01	110799	13.79				
VN0311WBL01	106492	13.79				
VN0311WBS01	128349	13.79				
VN0311WBSD01	123338	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
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0311WBL01	SDG No.:	Q1514
Lab Sample ID:	VN0311WBL01	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
VN085930.D	1		03/11/25 14:21	VN031125

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	56.1		70 (74) - 130 (125)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	44.5		70 (86) - 130 (113)	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		70 (77) - 130 (121)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	166000	8.224			
540-36-3	1,4-Difluorobenzene	319000	9.1			
3114-55-4	Chlorobenzene-d5	278000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	106000	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,
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0311WBS01	SDG No.:	Q1514
Lab Sample ID:	VN0311WBS01	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
VN085931.D	1		03/11/25 14:54	VN031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	17.4		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.0		0.26	1.00	ug/L
78-93-3	2-Butanone	96.2		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	1.00	ug/L
67-66-3	Chloroform	19.1		0.26	1.00	ug/L
71-43-2	Benzene	19.7		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.7		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	19.1		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.5		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		70 (75) - 130 (124)	94%	SPK: 50
2037-26-5	Toluene-d8	46.3		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	172000	8.218			
540-36-3	1,4-Difluorobenzene	282000	9.1			
3114-55-4	Chlorobenzene-d5	250000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	128000	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 2025	Date Received:	
Client Sample ID:	VN0311WBSD01	SDG No.:	Q1514
Lab Sample ID:	VN0311WBSD01	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
VN085932.D	1		03/11/25 15:28	VN031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	17.7		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.26	1.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.2		0.25	1.00	ug/L
67-66-3	Chloroform	19.0		0.26	1.00	ug/L
71-43-2	Benzene	19.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.0		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.3		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.6		70 (74) - 130 (125)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	47.6		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	46.6		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.224			
540-36-3	1,4-Difluorobenzene	270000	9.1			
3114-55-4	Chlorobenzene-d5	244000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	123000	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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: MSVOA_N Calibration Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:09 14:18

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

LAB FILE ID: RRF100 = VN085772.D RRF050 = VN085773.D RRF010 = VN085775.D
RRF005 = VN085776.D RRF001 = VN085777.D RRF020 = VN085779.D

COMPOUND	RRF100	RRF050	RRF010	RRF005	RRF001	RRF020	$\overline{RRF}$	% RSD
Vinyl Chloride	0.698	0.678	0.796	0.729	0.761	0.674	0.723	6.7
1,1-Dichloroethene	0.555	0.527	0.591	0.571	0.514	0.531	0.548	5.3
2-Butanone	0.308	0.294	0.331	0.299	0.279	0.299	0.302	5.6
Carbon Tetrachloride	0.573	0.528	0.583	0.545	0.533	0.538	0.550	4.1
Chloroform	1.120	1.070	1.269	1.164	1.171	1.141	1.156	5.7
Benzene	1.581	1.441	1.568	1.421	1.420	1.474	1.484	4.9
1,2-Dichloroethane	0.499	0.456	0.527	0.464	0.472	0.483	0.483	5.4
Trichloroethene	0.370	0.339	0.384	0.350	0.395	0.348	0.364	6.1
Tetrachloroethene	0.384	0.361	0.420	0.391	0.393	0.375	0.387	5.2
Chlorobenzene	1.183	1.110	1.212	1.139	1.109	1.119	1.145	3.8
1,2-Dichloroethane-d4	0.698	0.613	0.588	0.767		0.575	0.648	12.6
Dibromofluoromethane	0.375	0.317	0.294	0.357		0.293	0.327	11.5
Toluene-d8	1.444	1.199	1.017	1.212		1.080	1.190	13.8
4-Bromofluorobenzene	0.503	0.419	0.323	0.370		0.346	0.392	18.2

* 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.

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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: MSVOA_N Calibration Date/Time: 03/11/2025 13:22

Lab File ID: VN085928.D Init. Calib. Date(s): 02/18/2025 02/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:09 14:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.723	0.746		3.18	20
1,1-Dichloroethene	0.548	0.594		8.39	20
2-Butanone	0.302	0.338		11.92	20
Carbon Tetrachloride	0.550	0.625		13.64	20
Chloroform	1.156	1.221		5.62	20
Benzene	1.484	1.669		12.47	20
1,2-Dichloroethane	0.483	0.541		12.01	20
Trichloroethene	0.364	0.369		1.37	20
Tetrachloroethene	0.387	0.405		4.65	20
Chlorobenzene	1.145	1.212	0.3	5.85	20
1,2-Dichloroethane-d4	0.648	0.719		10.96	20
Dibromofluoromethane	0.327	0.367		12.23	20
Toluene-d8	1.190	1.369		15.04	20
4-Bromofluorobenzene	0.392	0.506		29.08	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\VN031125\
Data File : VN085947.D
Acq On : 11 Mar 2025 21:29
Operator : JC\MD
Sample : Q1514-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

Quant Time: Mar 12 01:31:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

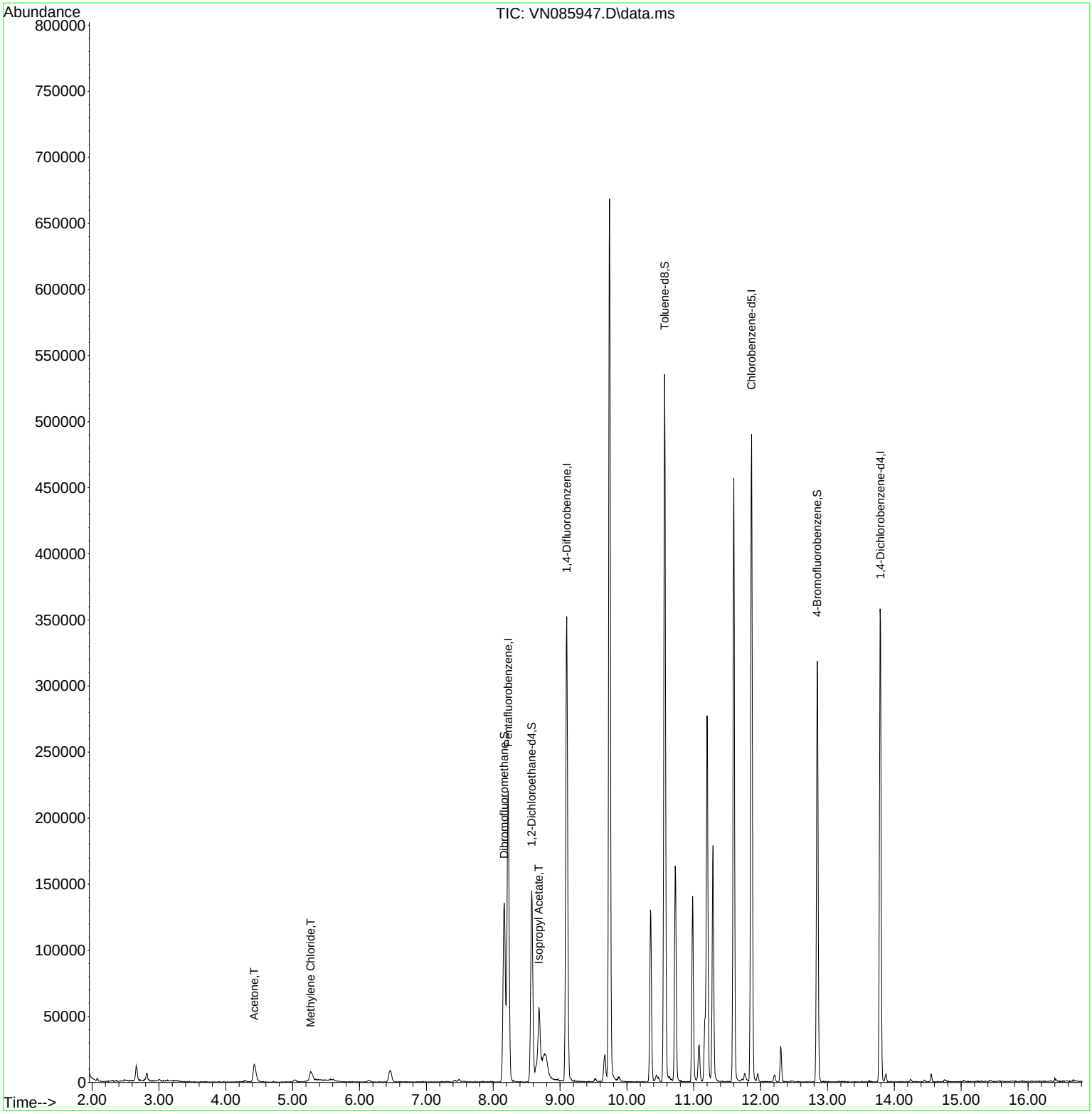
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	154053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118390	59.277	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.560%			
35) Dibromofluoromethane	8.165	113	99800	50.965	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.920%			
50) Toluene-d8	10.565	98	368578	51.733	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.460%			
62) 4-Bromofluorobenzene	12.847	95	111523	47.509	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.020%			
Target Compounds						Qvalue
16) Acetone	4.424	43	25696	40.661	ug/l	95
20) Methylene Chloride	5.271	84	5536	2.724	ug/l #	88
43) Isopropyl Acetate	8.683	43	71882	17.605	ug/l #	78

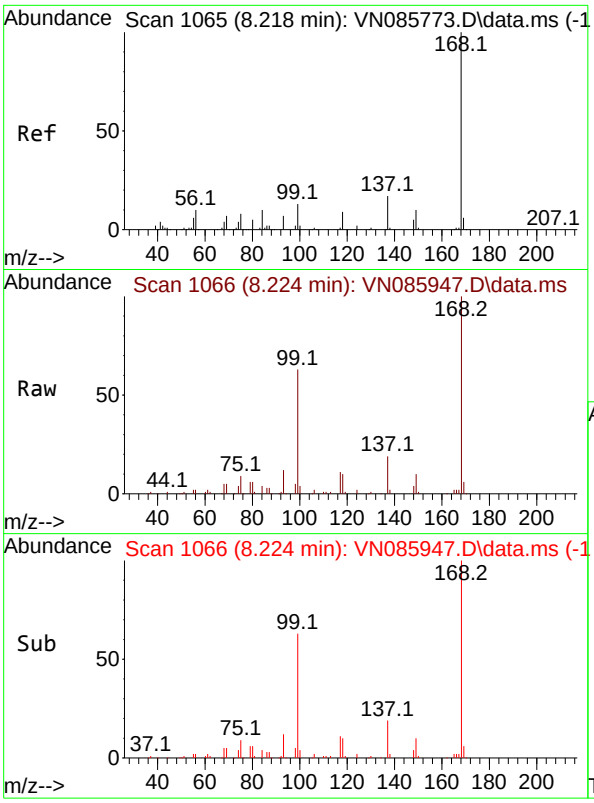
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085947.D
Acq On : 11 Mar 2025 21:29
Operator : JC\MD
Sample : Q1514-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

Quant Time: Mar 12 01:31:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



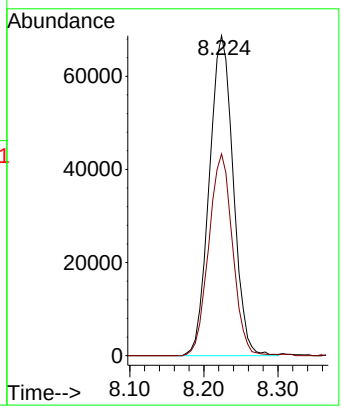


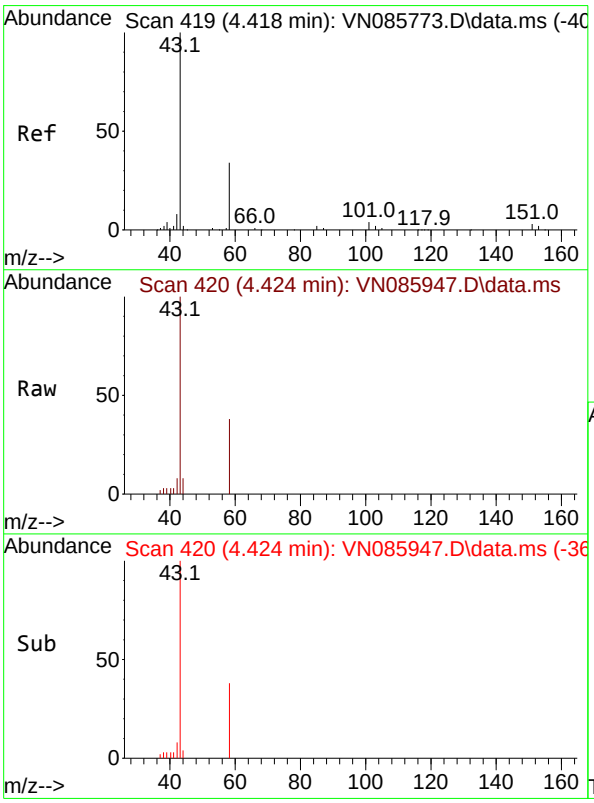
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

Tgt Ion:168 Resp: 154053

Ion	Ratio	Lower	Upper
168	100		
99	63.0	47.9	71.9

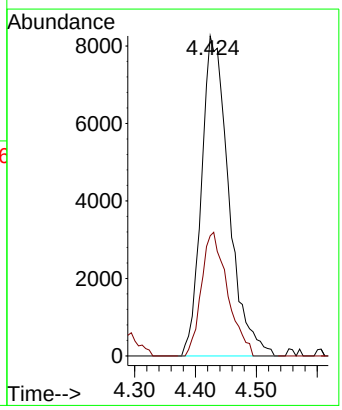


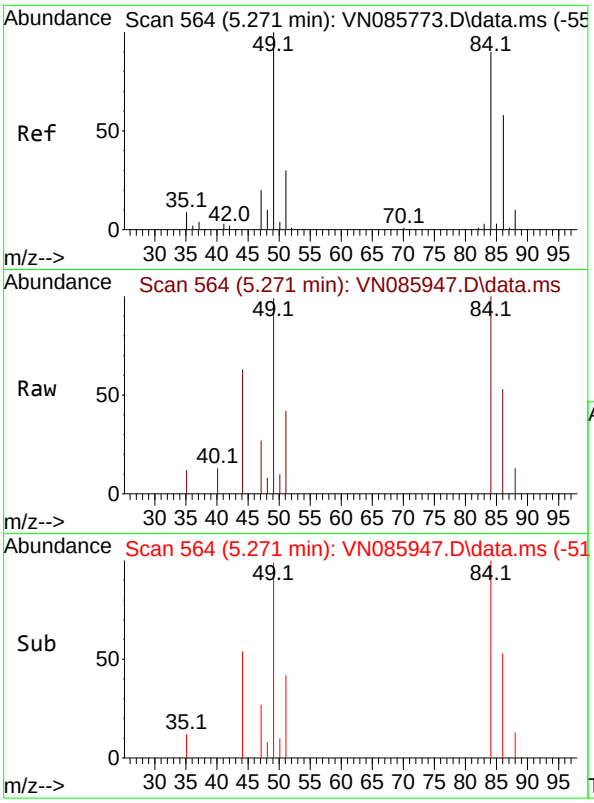


#16
Acetone
Concen: 40.661 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Tgt Ion: 43 Resp: 25696

Ion	Ratio	Lower	Upper
43	100		
58	37.5	27.5	41.3



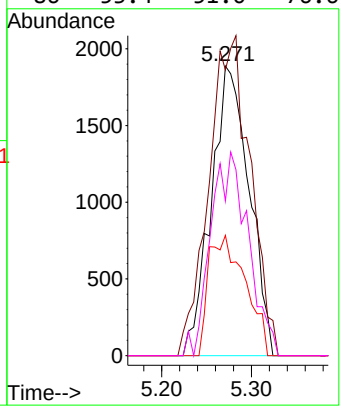


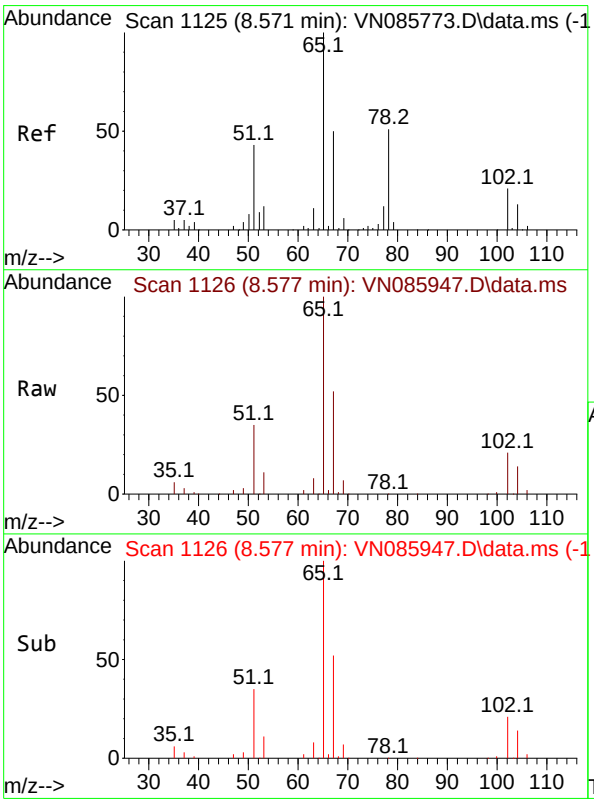
#20
Methylene Chloride
Concen: 2.724 ug/l
RT: 5.271 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

Tgt Ion: 84 Resp: 5536

Ion	Ratio	Lower	Upper
84	100		
49	98.7	88.4	132.6
51	41.5	26.6	40.0#
86	53.4	51.0	76.6

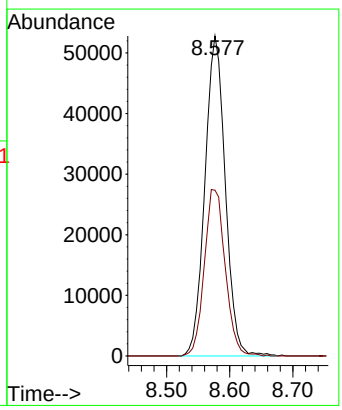


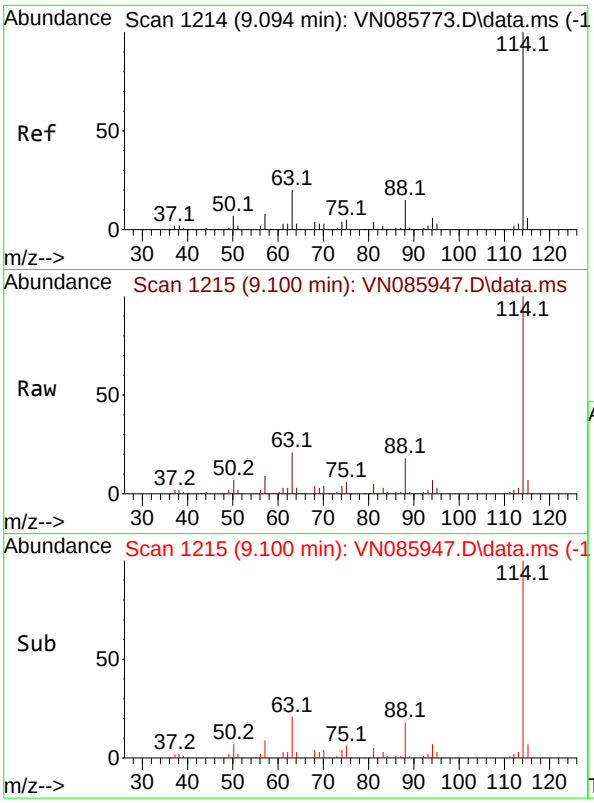


#33
1,2-Dichloroethane-d4
Concen: 59.277 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Tgt Ion: 65 Resp: 118390

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.2



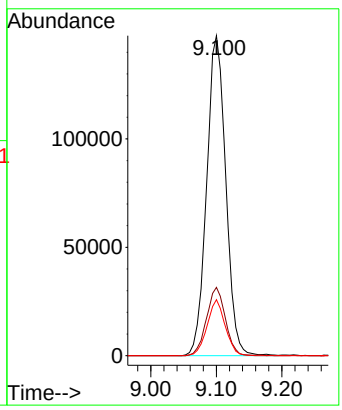


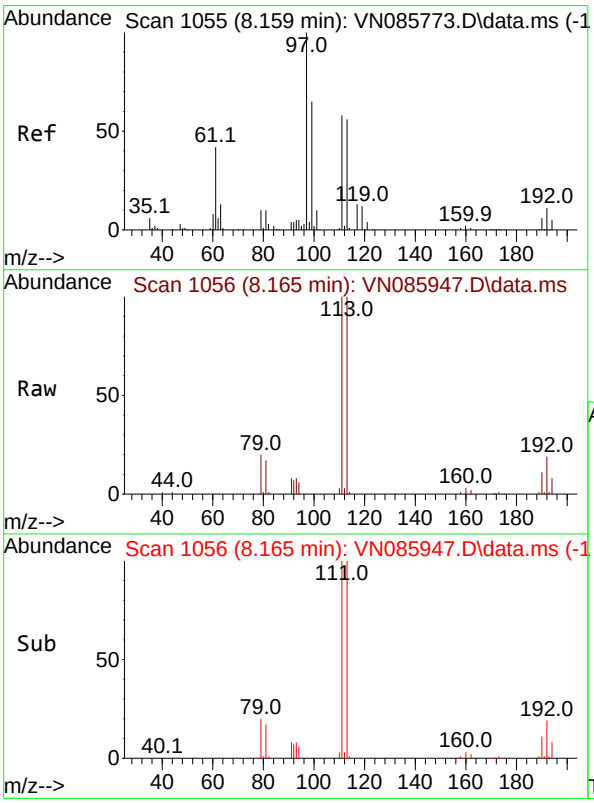
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

Tgt Ion:114 Resp: 299260

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	39.2
88	17.5	0.0	30.0

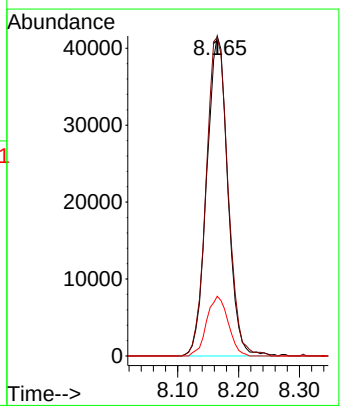


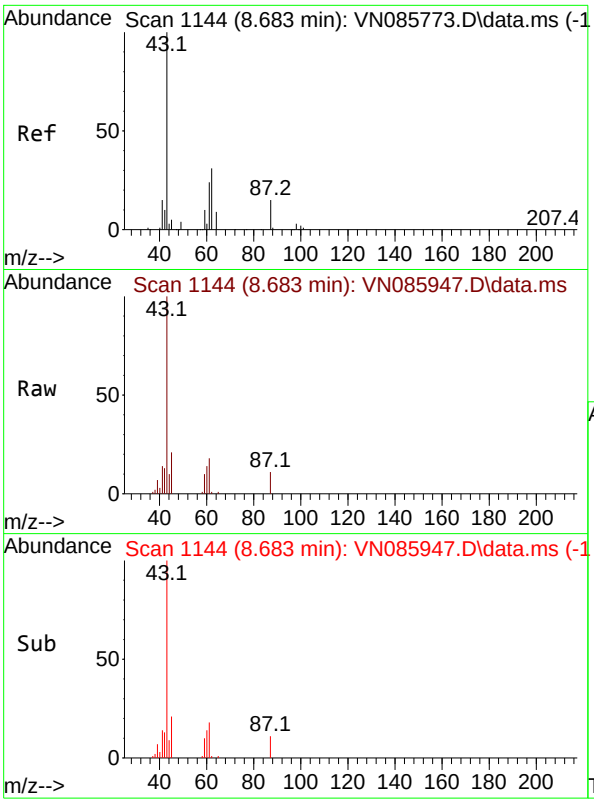


#35
Dibromofluoromethane
Concen: 50.965 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Tgt Ion:113 Resp: 99800

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	19.0	14.7	22.1



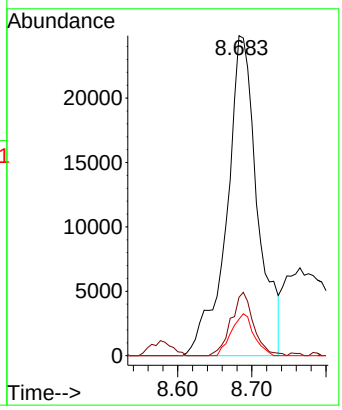


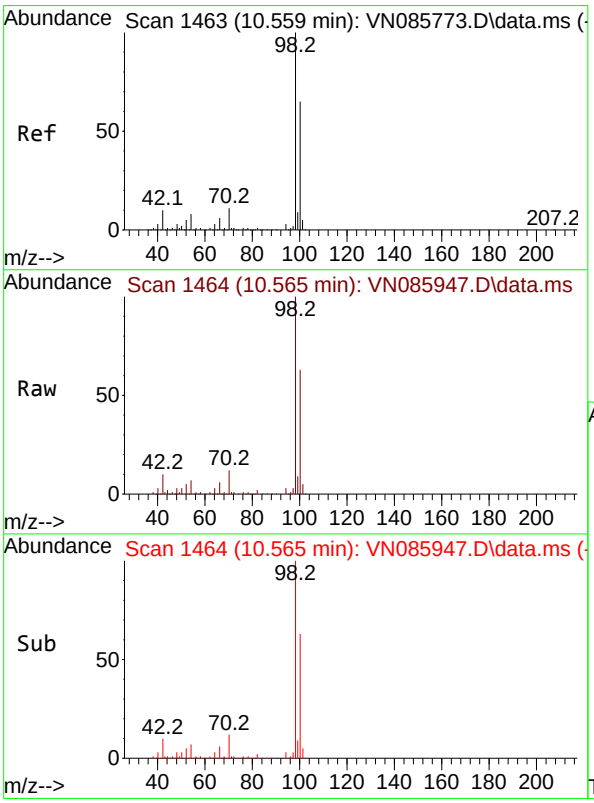
#43
Isopropyl Acetate
Concen: 17.605 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

Tgt Ion: 43 Resp: 71882

Ion	Ratio	Lower	Upper
43	100		
61	14.5	22.6	34.0#
87	9.5	11.8	17.8#

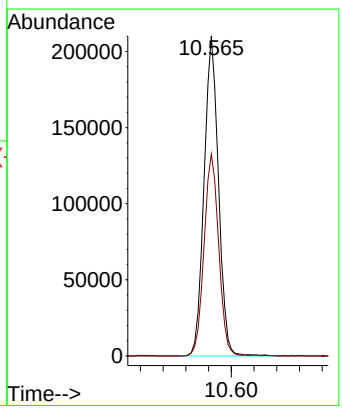


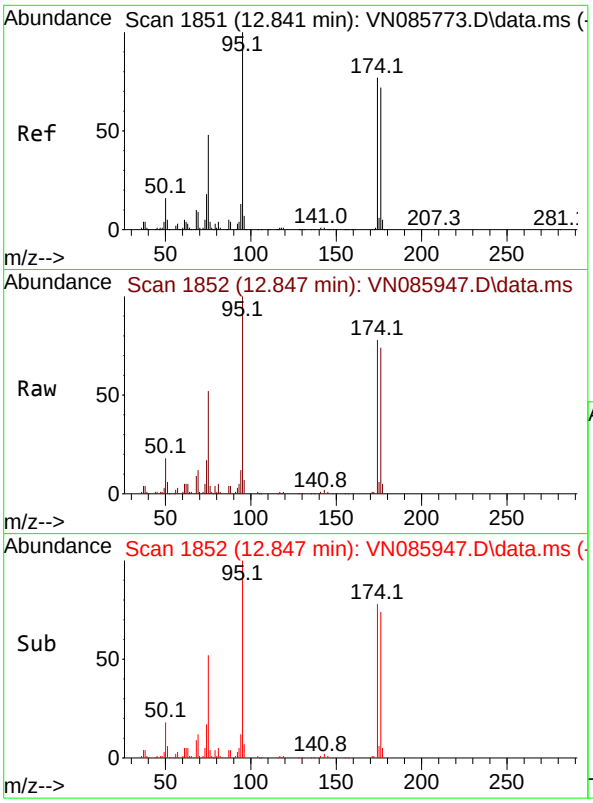


#50
Toluene-d8
Concen: 51.733 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Tgt Ion: 98 Resp: 368578

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1



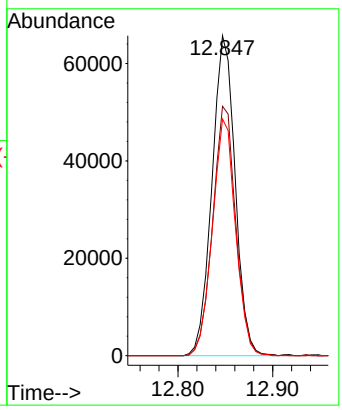


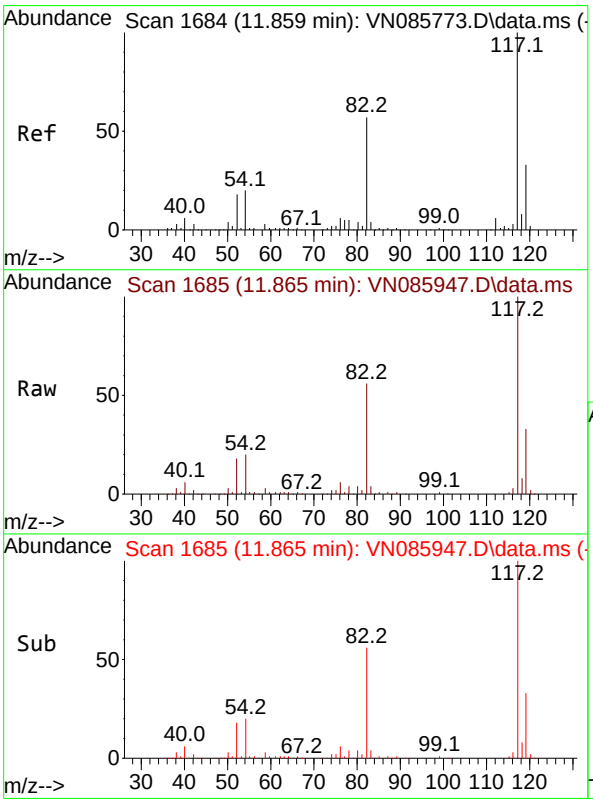
#62
4-Bromofluorobenzene
Concen: 47.509 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

Tgt Ion: 95 Resp: 111523

Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	152.4
176	73.9	0.0	146.6

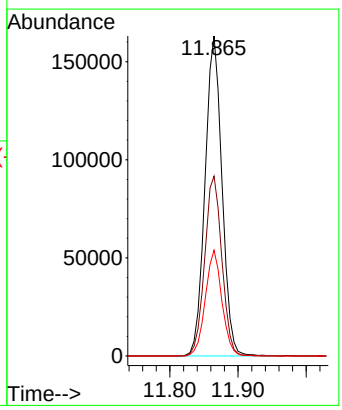


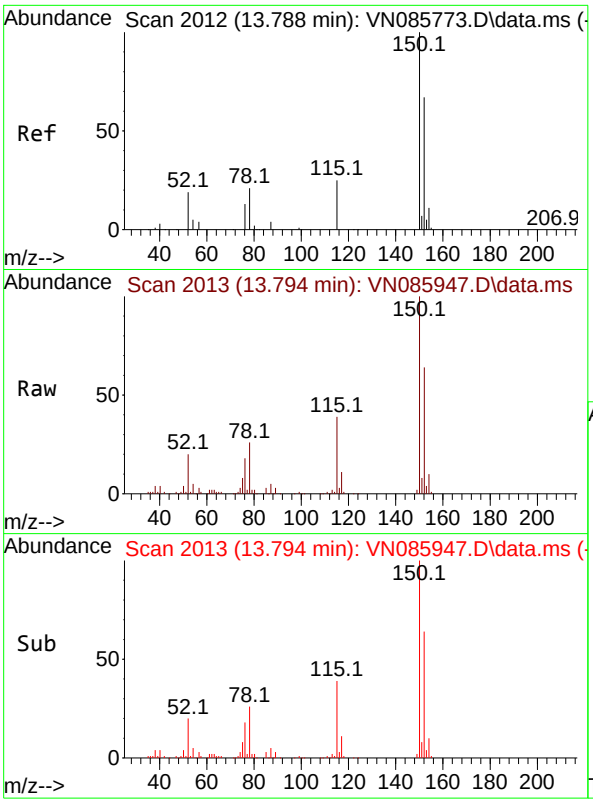


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Tgt Ion:117 Resp: 282311

Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.7	68.5
119	33.1	26.2	39.2



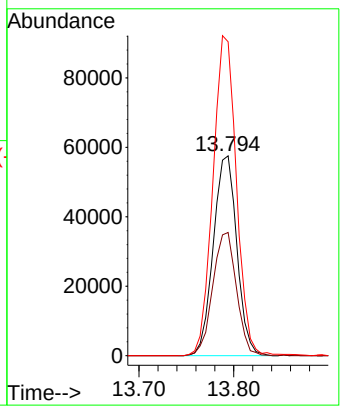


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN085947.D
Acq: 11 Mar 2025 21:29

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB01

Tgt Ion:152 Resp: 99543

Ion	Ratio	Lower	Upper
152	100		
115	62.0	30.4	91.3
150	159.8	0.0	345.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085948.D
Acq On : 11 Mar 2025 21:53
Operator : JC\MD
Sample : Q1514-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB02

Quant Time: Mar 12 01:31:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

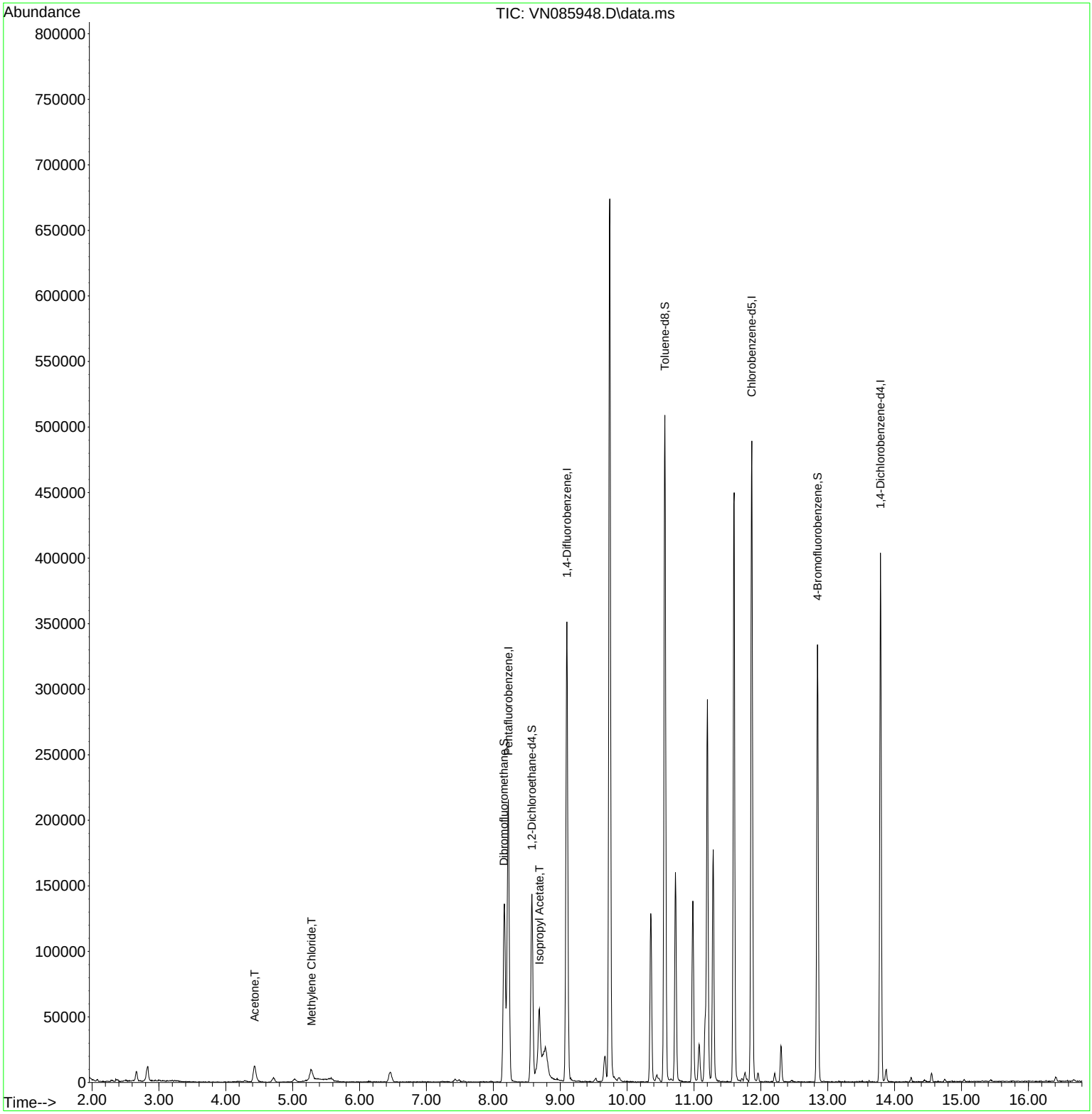
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	150437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296435	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116697	59.833	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.660%			
35) Dibromofluoromethane	8.159	113	98753	50.911	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.820%			
50) Toluene-d8	10.565	98	358054	50.735	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.847	95	114862	49.398	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.800%			
Target Compounds						Qvalue
16) Acetone	4.430	43	23134	37.486	ug/l	99
20) Methylene Chloride	5.283	84	5982	3.014	ug/l #	85
43) Isopropyl Acetate	8.688	43	70964	17.544	ug/l #	79

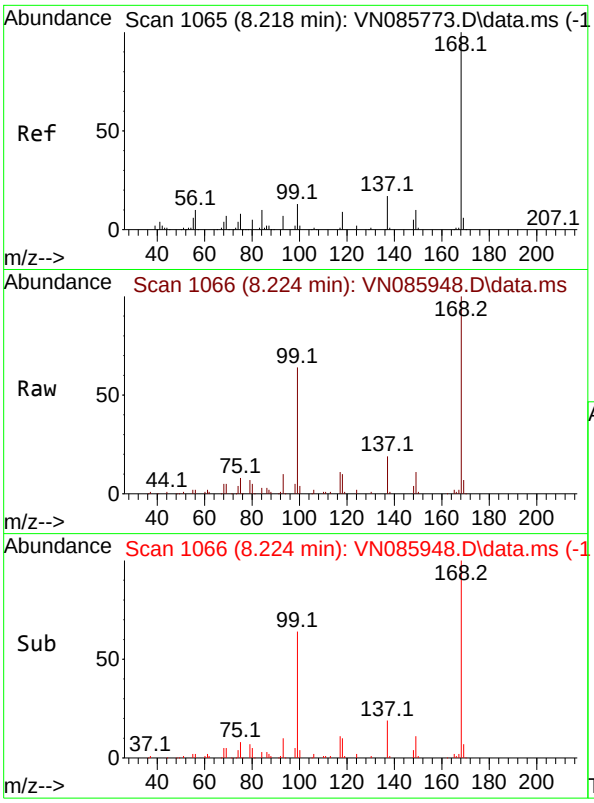
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085948.D
Acq On : 11 Mar 2025 21:53
Operator : JC\MD
Sample : Q1514-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB02

Quant Time: Mar 12 01:31:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



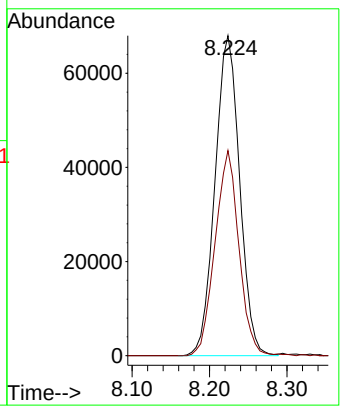


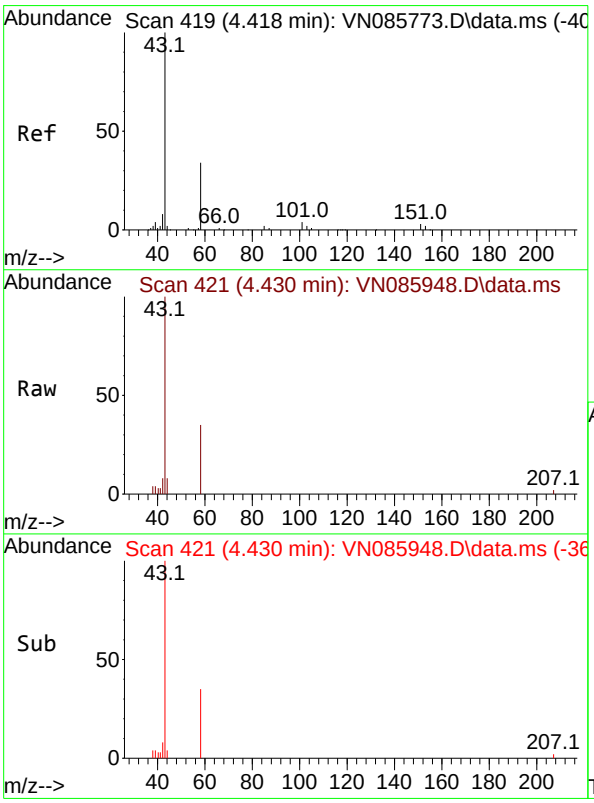
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB02

Tgt Ion:168 Resp: 150437

Ion	Ratio	Lower	Upper
168	100		
99	64.1	47.9	71.9

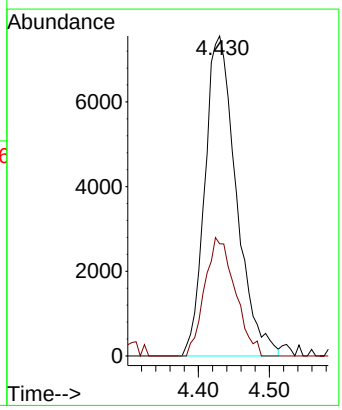


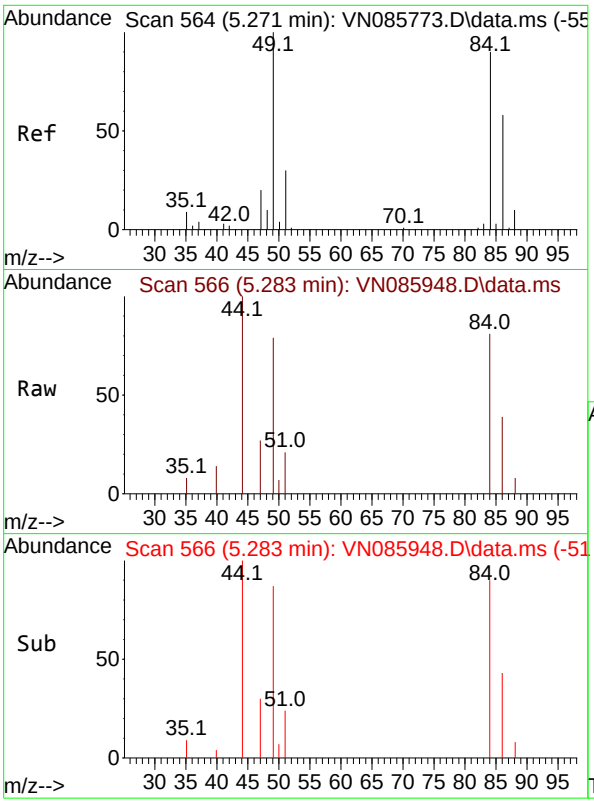


#16
Acetone
Concen: 37.486 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Tgt Ion: 43 Resp: 23134

Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.5	41.3



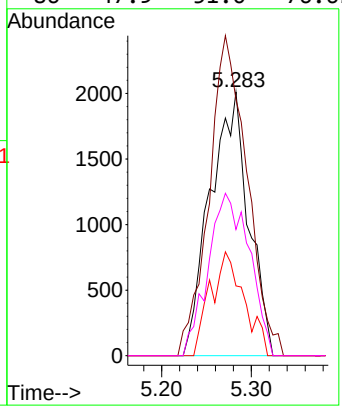


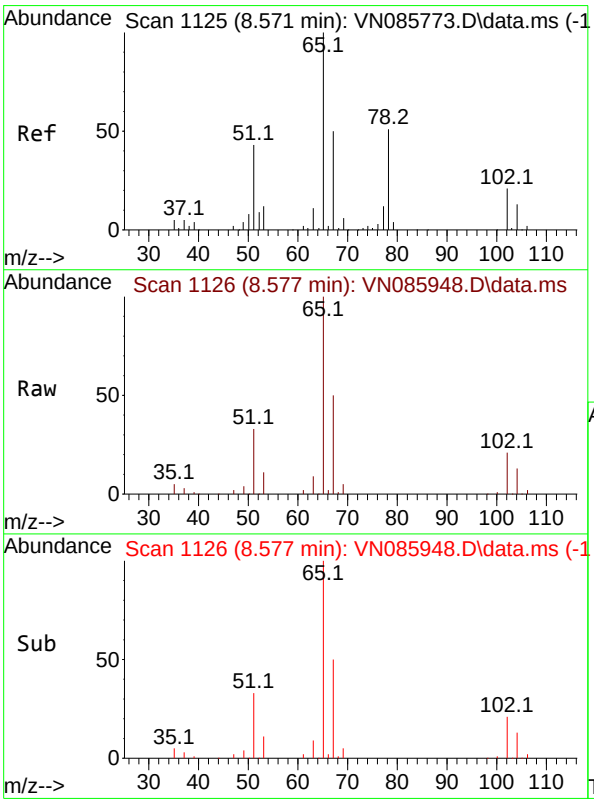
#20
Methylene Chloride
Concen: 3.014 ug/l
RT: 5.283 min Scan# 5
Delta R.T. 0.012 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB02

Tgt Ion: 84 Resp: 5982

Ion	Ratio	Lower	Upper
84	100		
49	97.2	88.4	132.6
51	26.4	26.6	40.0#
86	47.9	51.0	76.6#

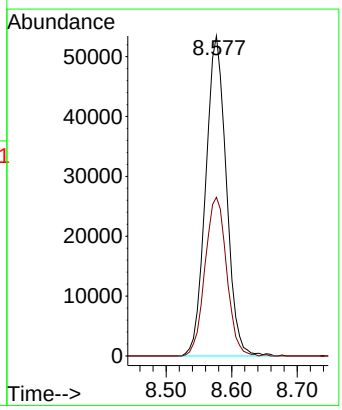


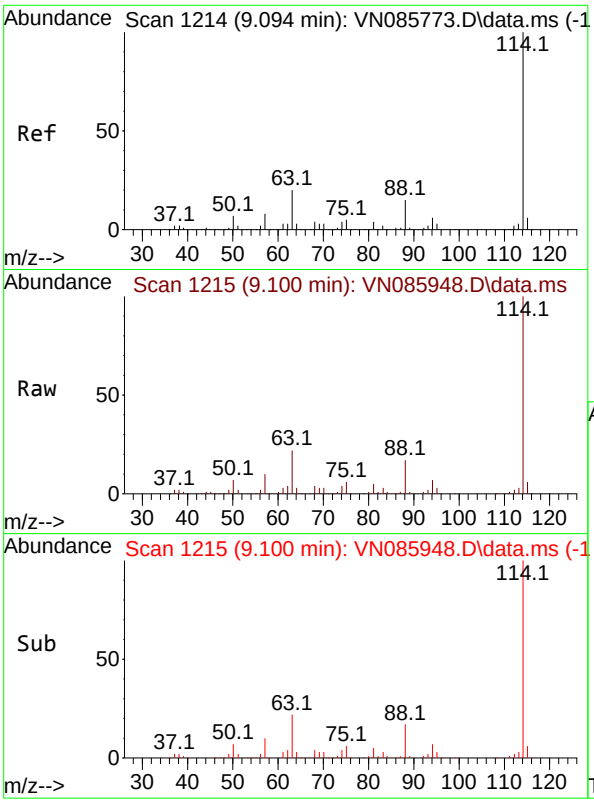


#33
1,2-Dichloroethane-d4
Concen: 59.833 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Tgt Ion: 65 Resp: 116697

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.2



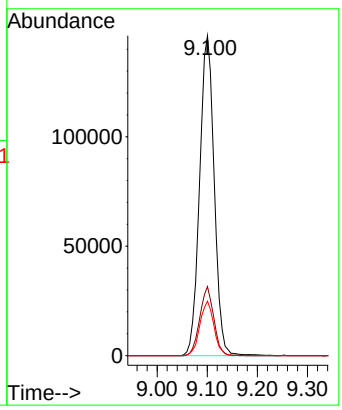


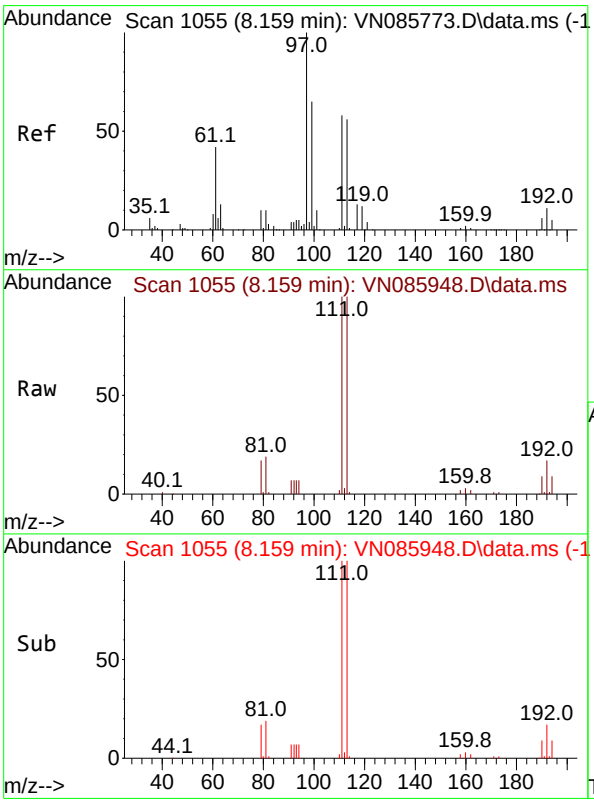
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB02

Tgt Ion:114 Resp: 296435

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	39.2
88	17.0	0.0	30.0

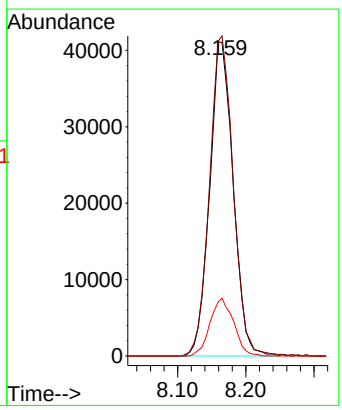


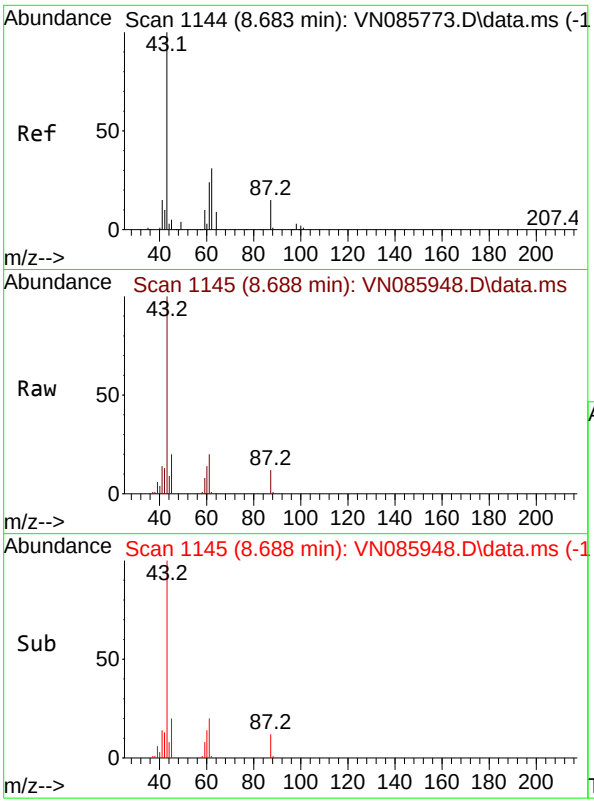


#35
Dibromofluoromethane
Concen: 50.911 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Tgt Ion:113 Resp: 98753

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.4
192	18.4	14.7	22.1



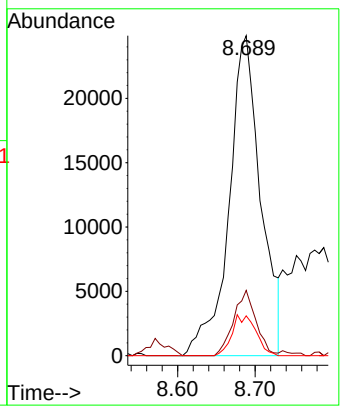


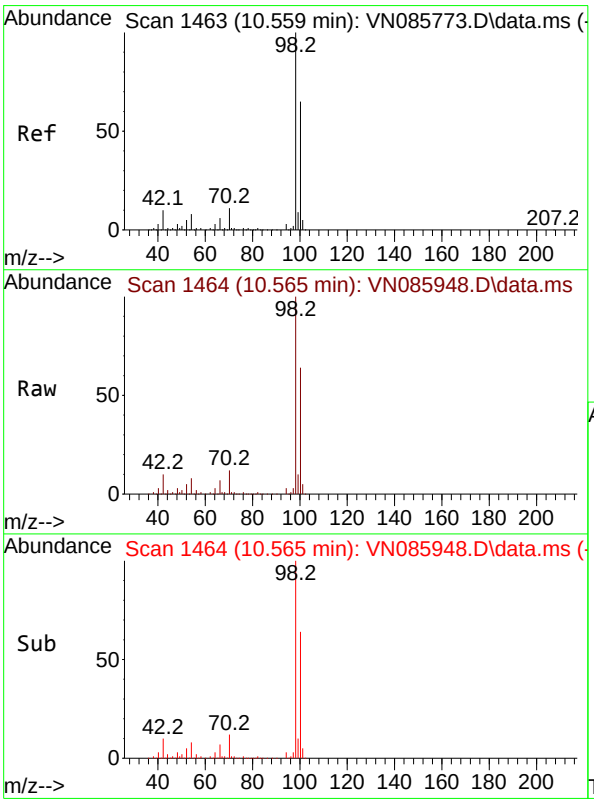
#43
Isopropyl Acetate
Concen: 17.544 ug/l
RT: 8.688 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB02

Tgt Ion: 43 Resp: 70964

Ion	Ratio	Lower	Upper
43	100		
61	14.5	22.6	34.0#
87	9.6	11.8	17.8#

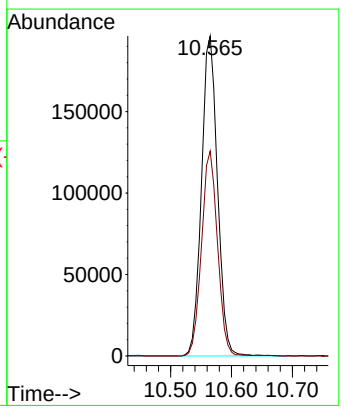


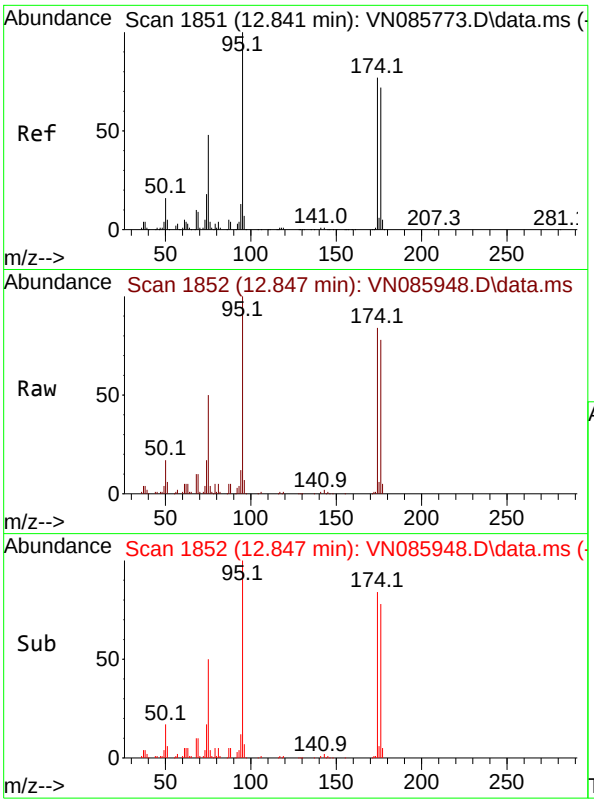


#50
Toluene-d8
Concen: 50.735 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Tgt Ion: 98 Resp: 358054

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.1	78.1



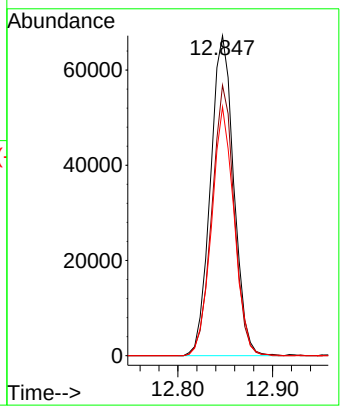


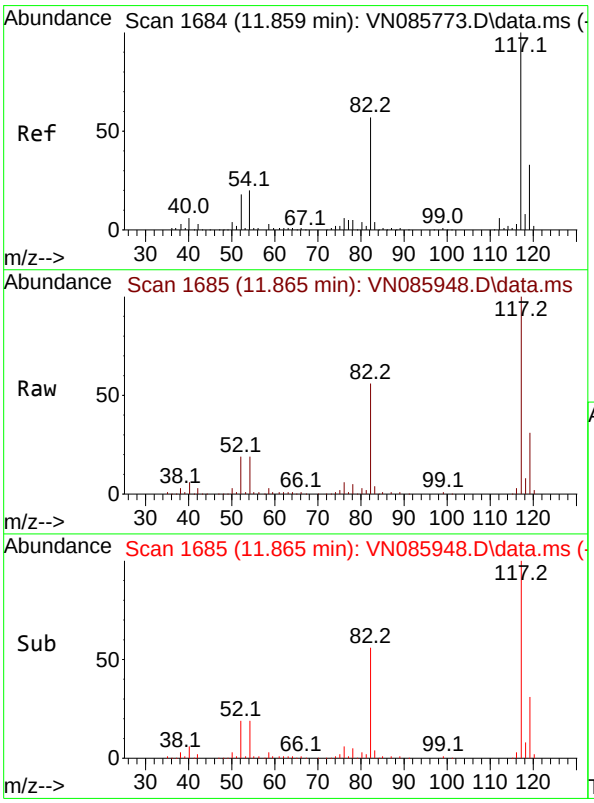
#62
4-Bromofluorobenzene
Concen: 49.398 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB02

Tgt Ion: 95 Resp: 114862

Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	152.4
176	75.3	0.0	146.6

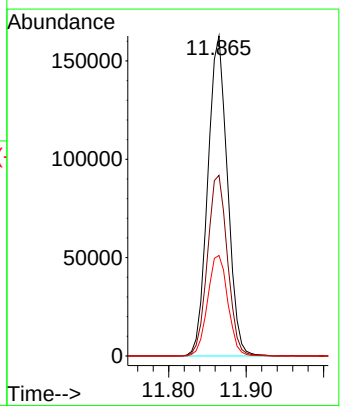


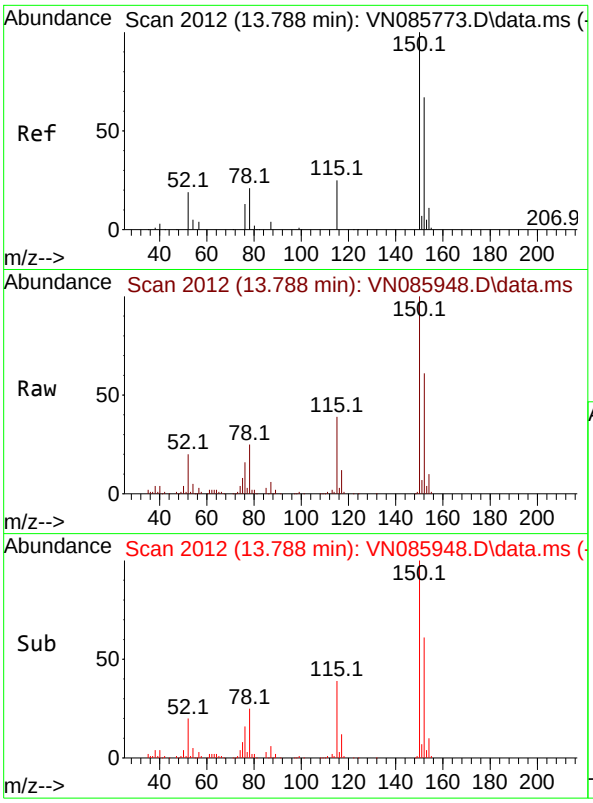


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Tgt Ion:117 Resp: 287045

Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.7	68.5
119	31.4	26.2	39.2



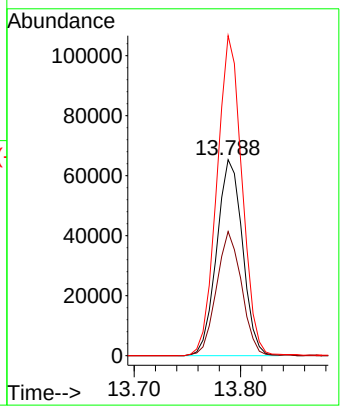


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085948.D
Acq: 11 Mar 2025 21:53

Instrument :
MSVOA_N
ClientSampleId :
ENV-105-SB02

Tgt Ion:152 Resp: 110049

Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.4	91.3
150	159.3	0.0	345.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085949.D
Acq On : 11 Mar 2025 22:17
Operator : JC\MD
Sample : Q1514-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

Quant Time: Mar 12 01:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

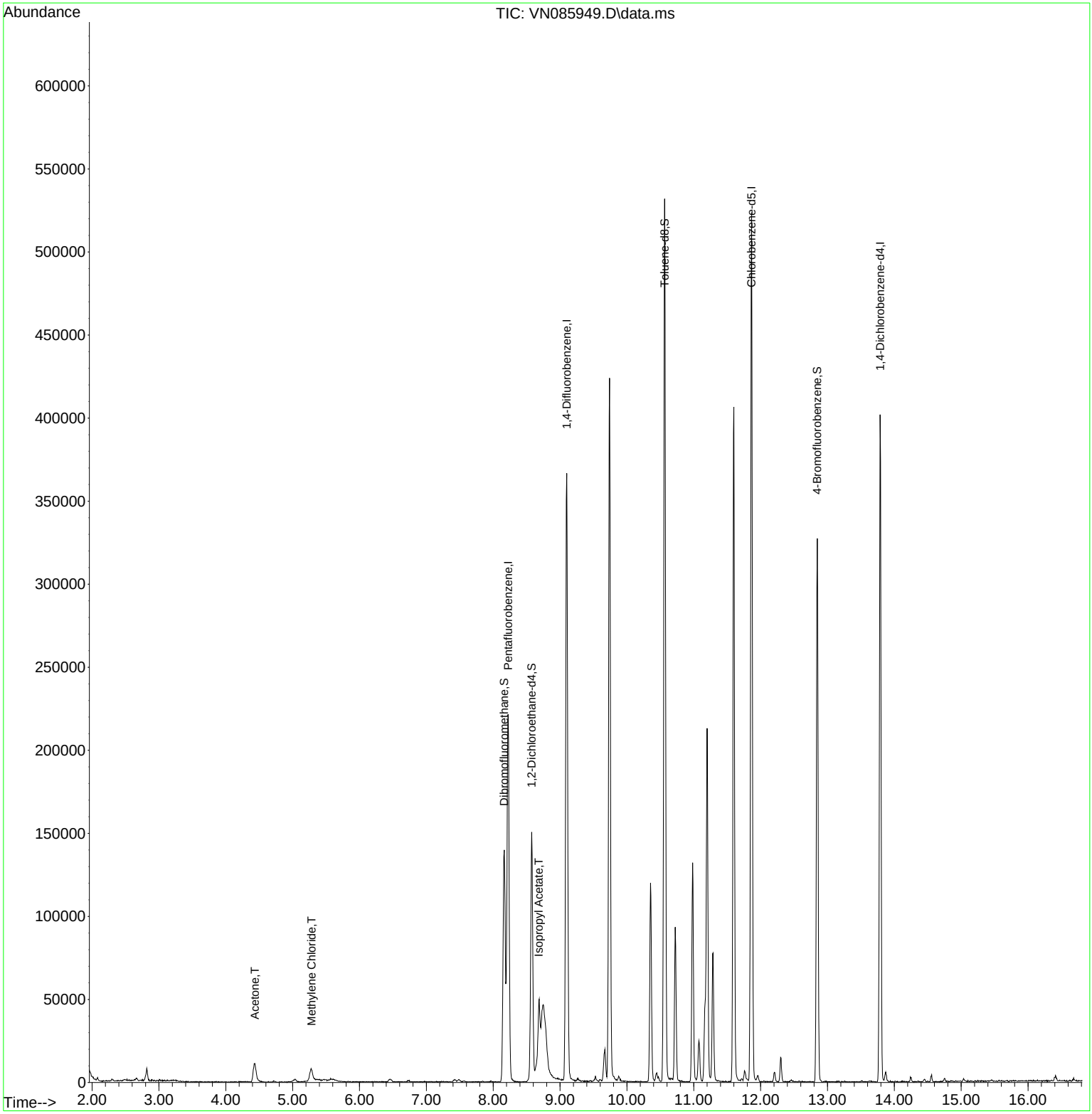
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	159259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	315656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120192	58.212	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.420%			
35) Dibromofluoromethane	8.165	113	101409	49.097	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.200%			
50) Toluene-d8	10.565	98	374101	49.781	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.560%			
62) 4-Bromofluorobenzene	12.847	95	117023	47.263	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.520%			
Target Compounds						Qvalue
16) Acetone	4.436	43	22305	34.141	ug/l	97
20) Methylene Chloride	5.283	84	6134	2.920	ug/l	88
43) Isopropyl Acetate	8.683	43	61567	14.192	ug/l #	78

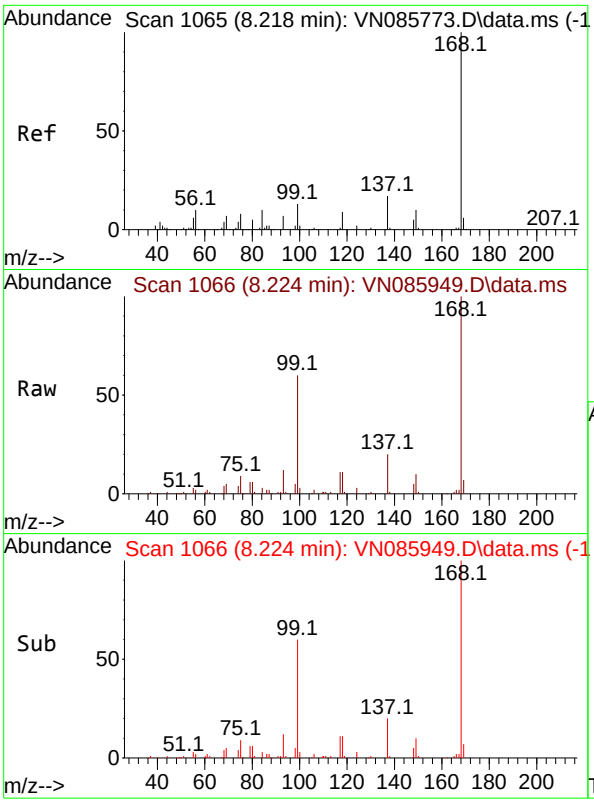
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085949.D
Acq On : 11 Mar 2025 22:17
Operator : JC\MD
Sample : Q1514-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

Quant Time: Mar 12 01:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



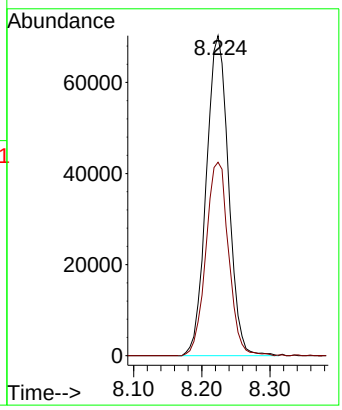


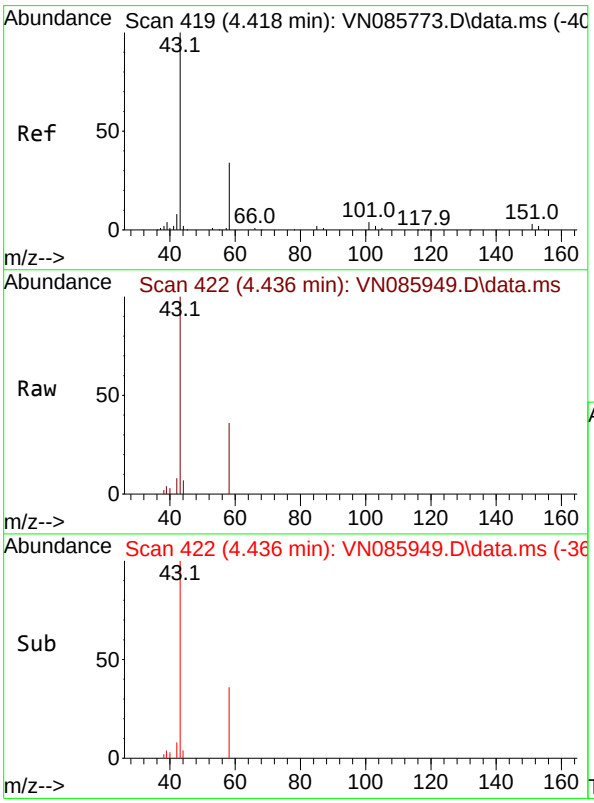
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

Tgt Ion:168 Resp: 159259

Ion	Ratio	Lower	Upper
168	100		
99	60.5	47.9	71.9

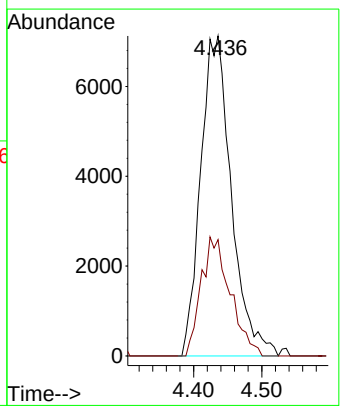


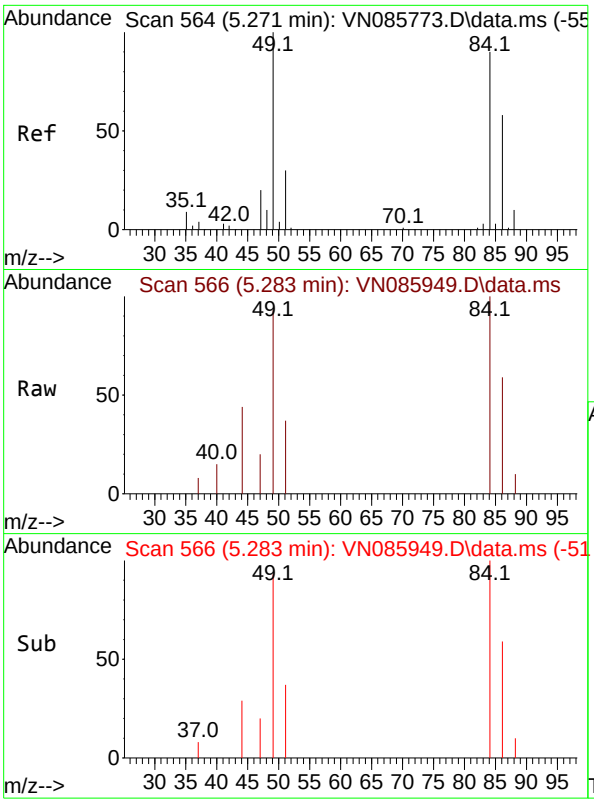


#16
Acetone
Concen: 34.141 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Tgt Ion: 43 Resp: 22305

Ion	Ratio	Lower	Upper
43	100		
58	36.3	27.5	41.3



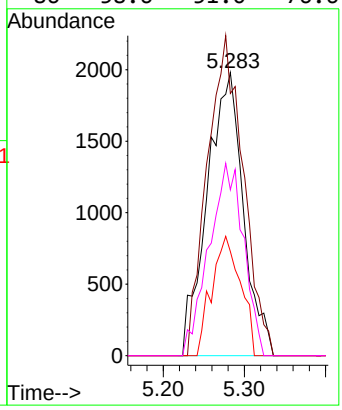


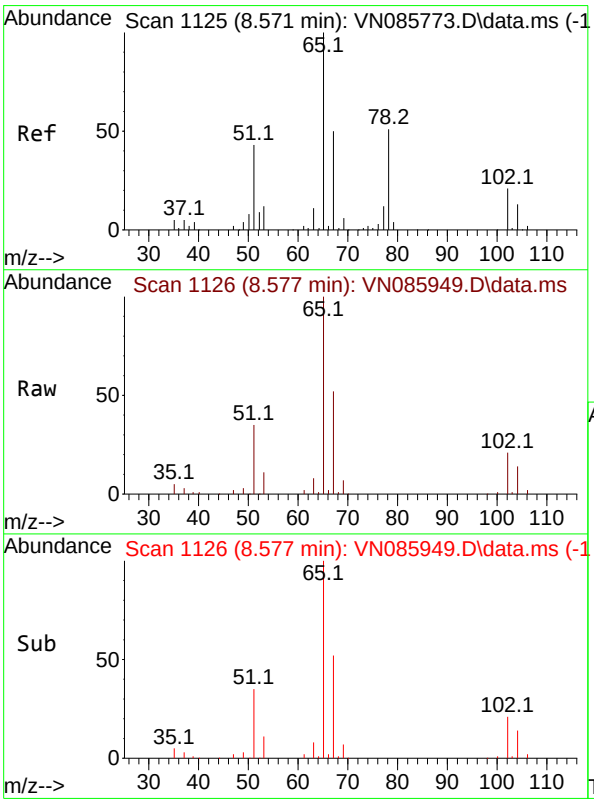
#20
Methylene Chloride
Concen: 2.920 ug/l
RT: 5.283 min Scan# 5
Delta R.T. 0.012 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

Tgt Ion: 84 Resp: 6134

Ion	Ratio	Lower	Upper
84	100		
49	92.6	88.4	132.6
51	36.8	26.6	40.0
86	58.6	51.0	76.6

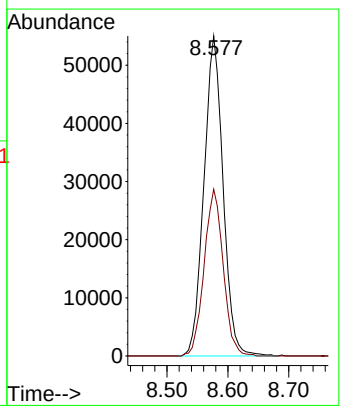


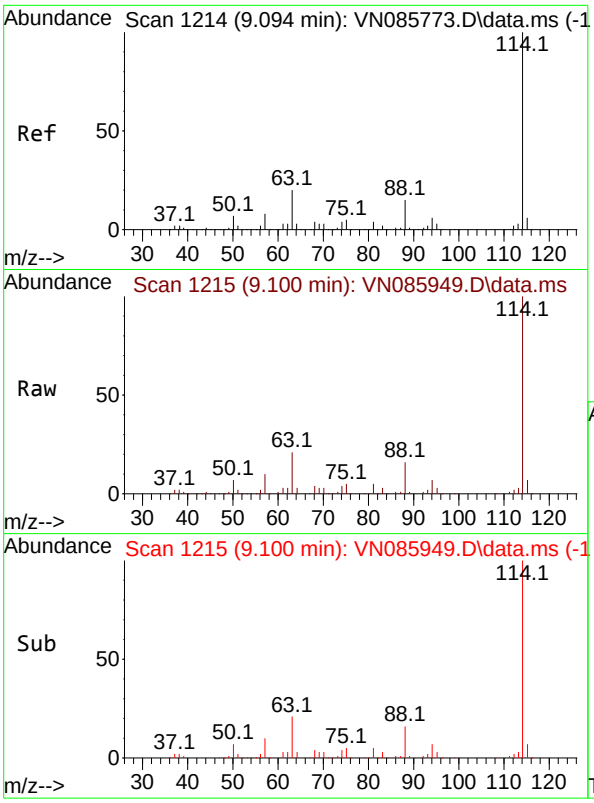


#33
1,2-Dichloroethane-d4
Concen: 58.212 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Tgt Ion: 65 Resp: 120192

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	106.2



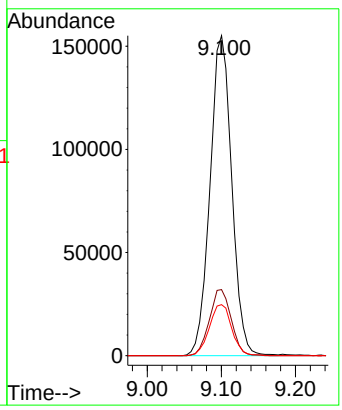


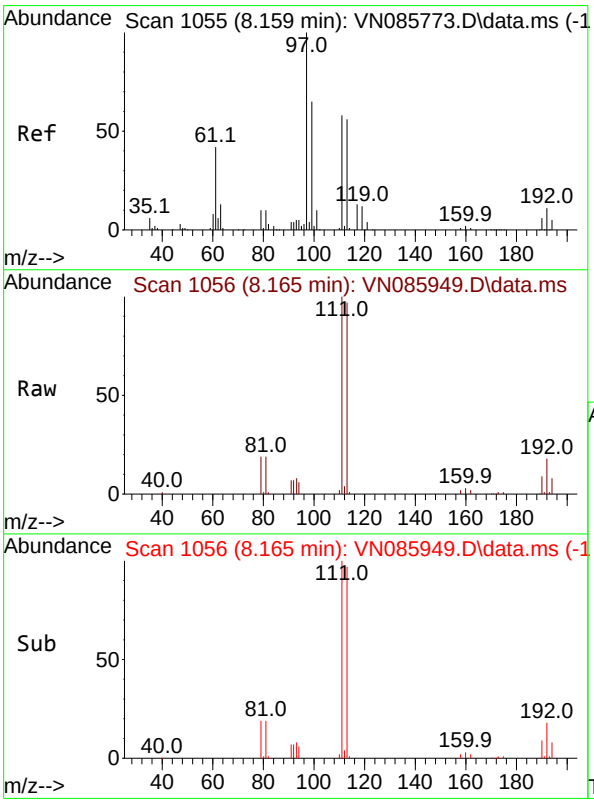
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

Tgt Ion:114 Resp: 315656

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	39.2
88	16.0	0.0	30.0

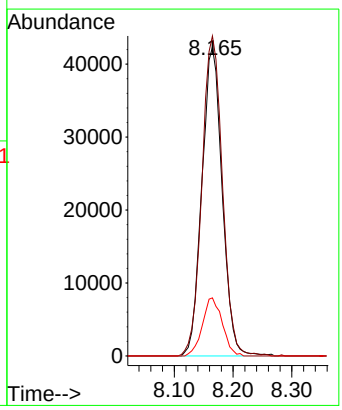


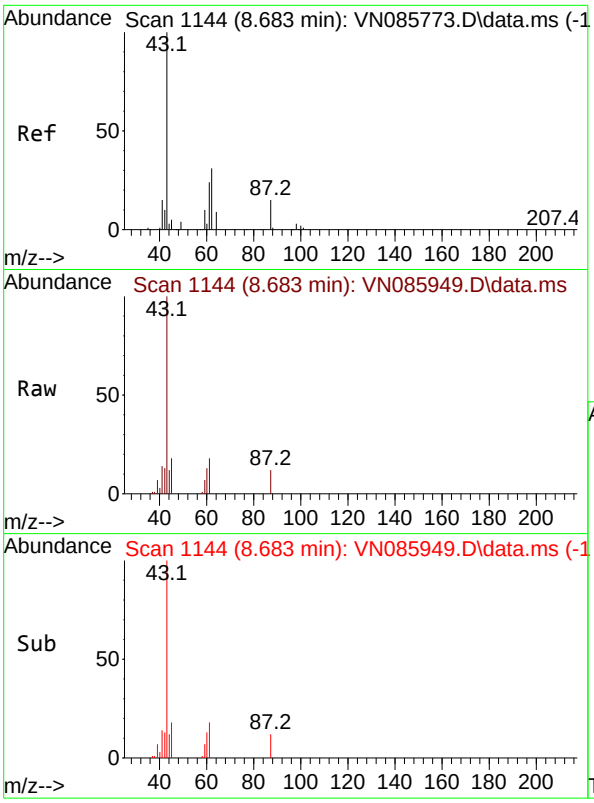


#35
Dibromofluoromethane
Concen: 49.097 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Tgt Ion:113 Resp: 101409

Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.2	123.4
192	18.4	14.7	22.1



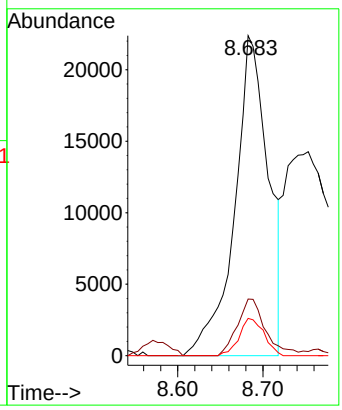


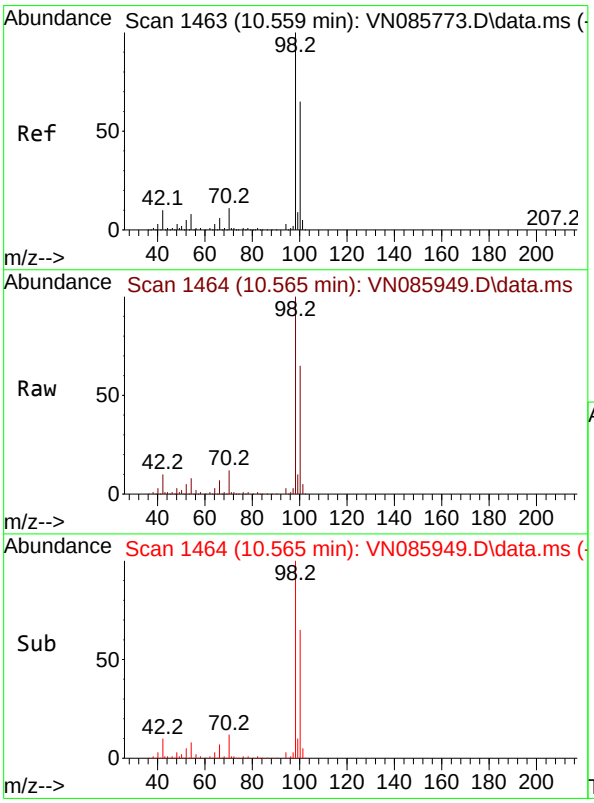
#43
Isopropyl Acetate
Concen: 14.192 ug/l
RT: 8.683 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

Tgt Ion: 43 Resp: 61567

Ion	Ratio	Lower	Upper
43	100		
61	14.7	22.6	34.0#
87	8.6	11.8	17.8#

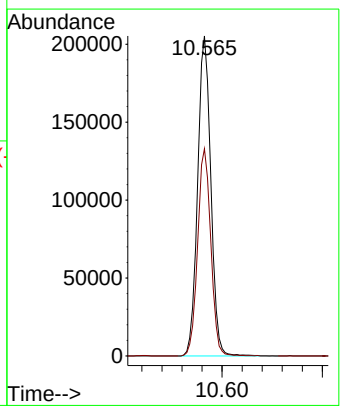


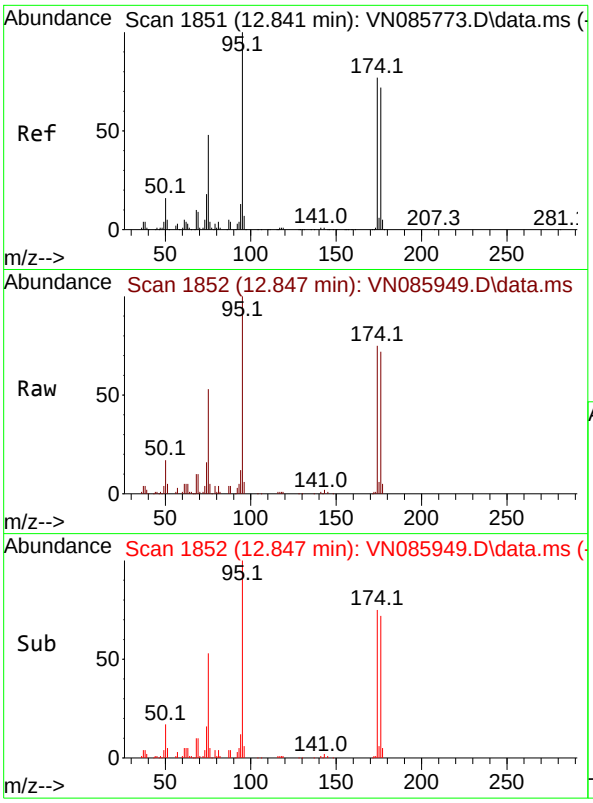


#50
Toluene-d8
Concen: 49.781 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Tgt Ion: 98 Resp: 374101

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1



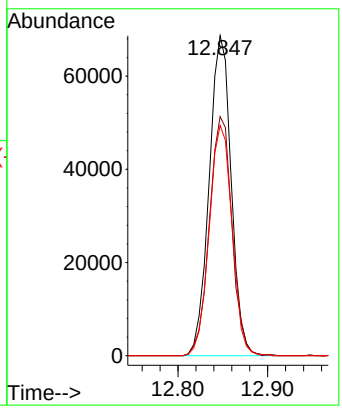


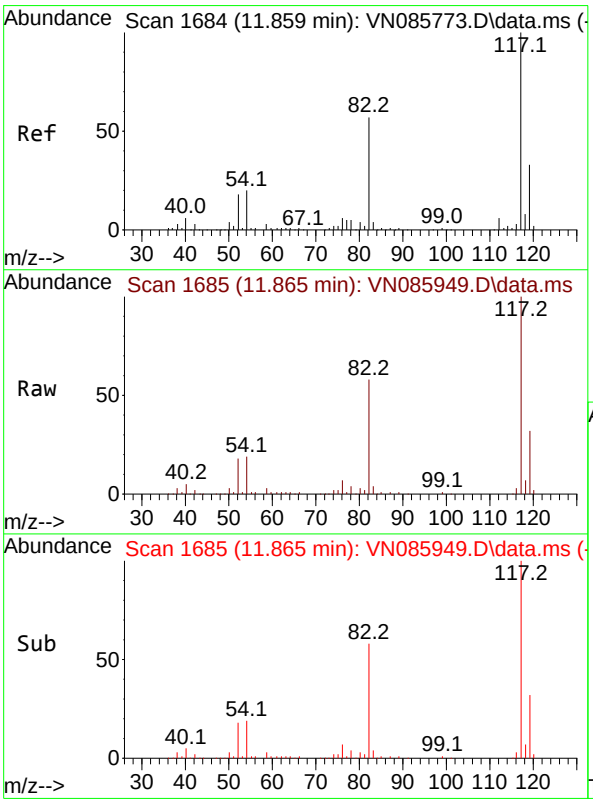
#62
4-Bromofluorobenzene
Concen: 47.263 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

Tgt Ion: 95 Resp: 117023

Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	152.4
176	74.6	0.0	146.6

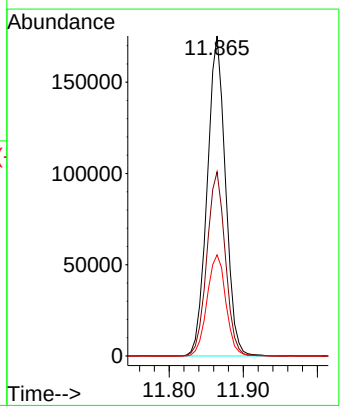


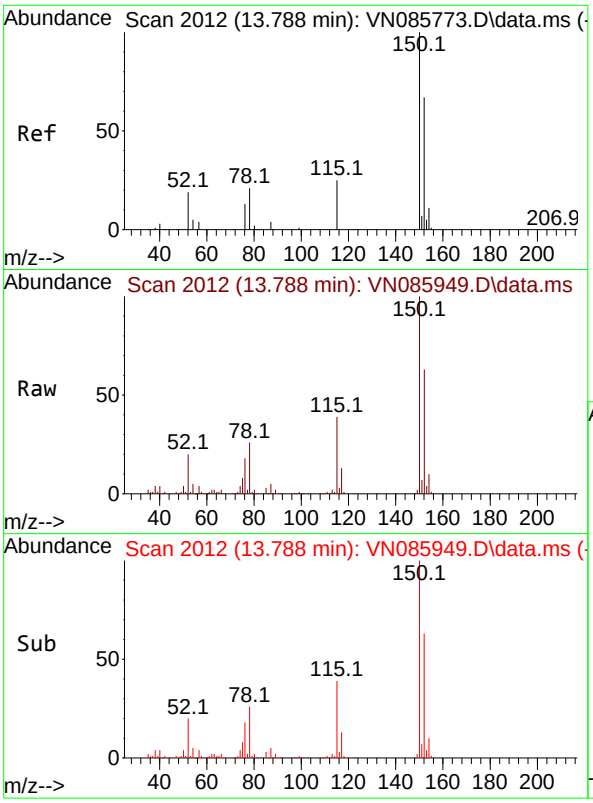


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Tgt Ion:117 Resp: 300142

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.7	68.5
119	31.6	26.2	39.2



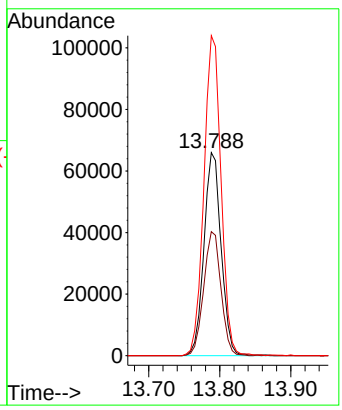


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085949.D
Acq: 11 Mar 2025 22:17

Instrument :
MSVOA_N
ClientSampleId :
ENV-103-SB01

Tgt Ion:152 Resp: 110799

Ion	Ratio	Lower	Upper
152	100		
115	61.5	30.4	91.3
150	157.4	0.0	345.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085930.D
Acq On : 11 Mar 2025 14:21
Operator : JC\MD
Sample : VN0311WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Quant Time: Mar 12 01:19:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	166099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	106492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120828	56.110	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.220%			
35) Dibromofluoromethane	8.165	113	102406	49.016	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.040%			
50) Toluene-d8	10.565	98	338496	44.531	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.060%			
62) 4-Bromofluorobenzene	12.847	95	105788	42.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 84.480%			

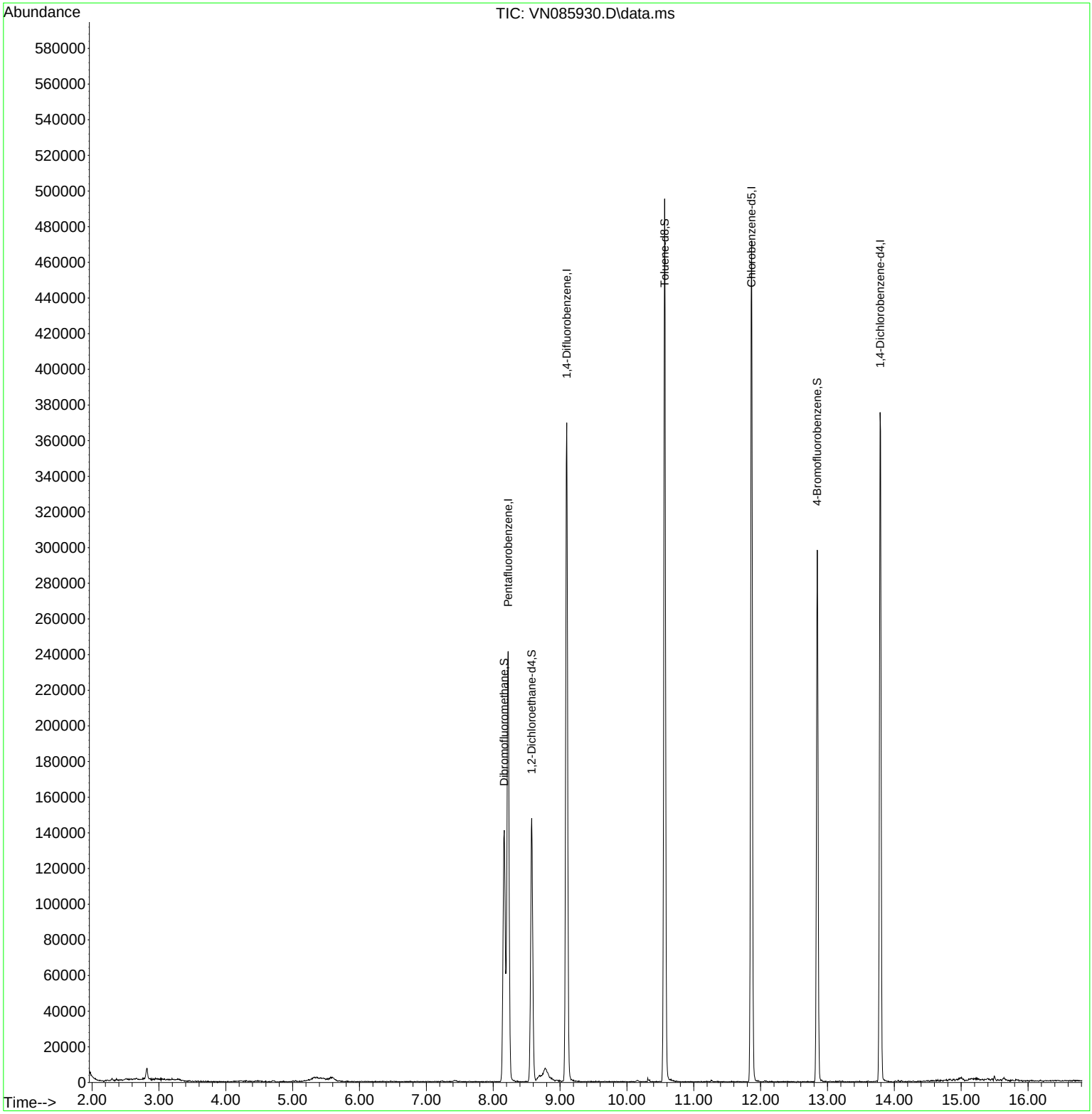
Target Compounds Qvalue

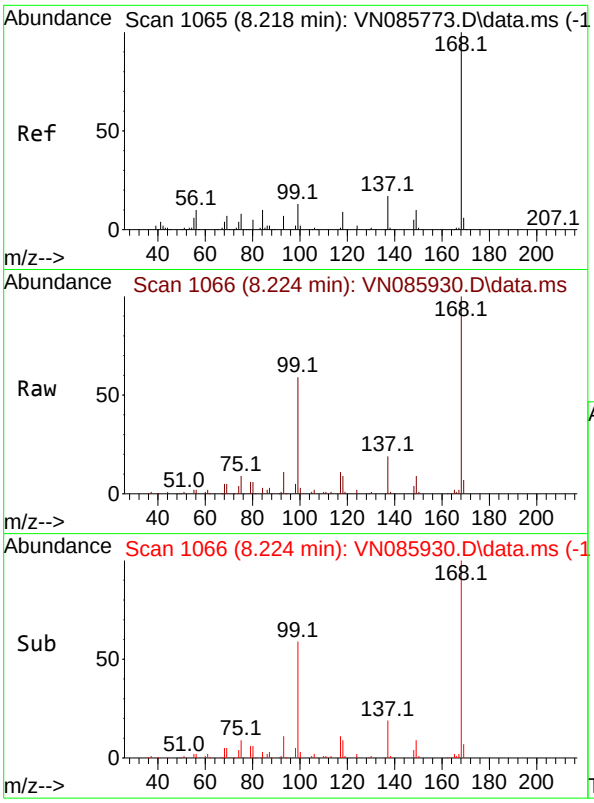
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085930.D
Acq On : 11 Mar 2025 14:21
Operator : JC\MD
Sample : VN0311WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Quant Time: Mar 12 01:19:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration



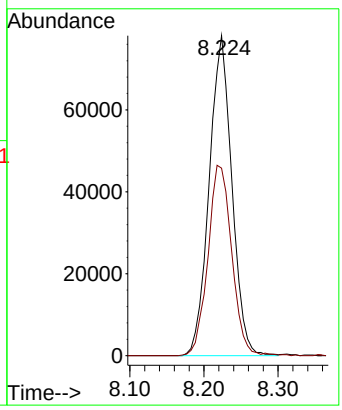


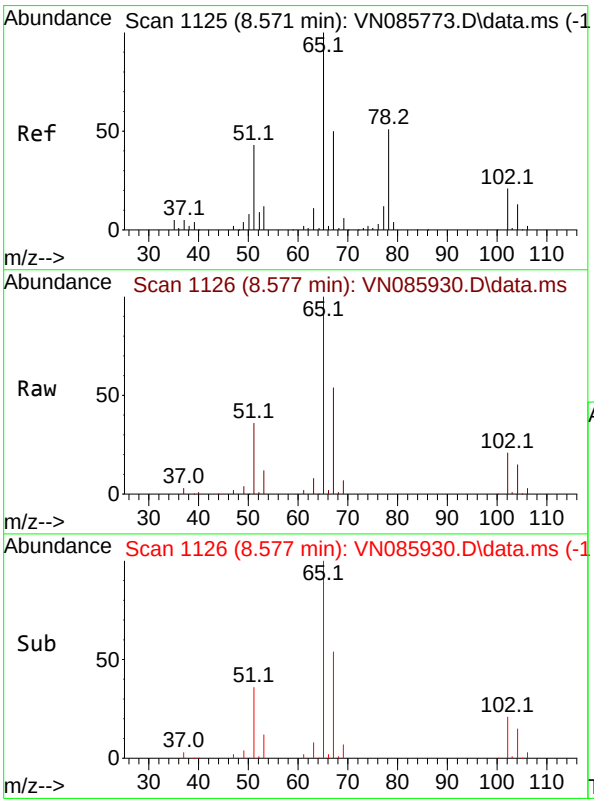
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Tgt Ion:168 Resp: 166099

Ion	Ratio	Lower	Upper
168	100		
99	58.6	47.9	71.9

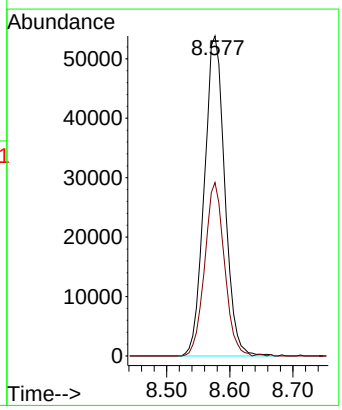


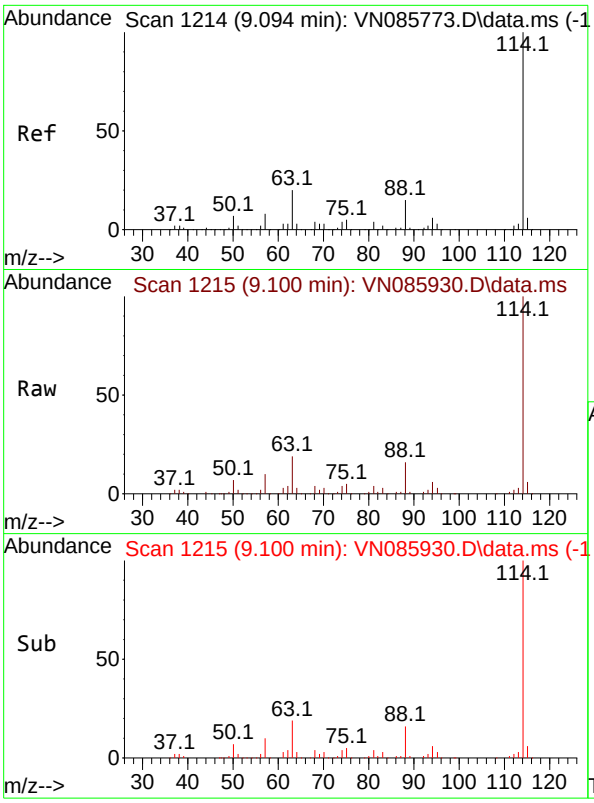


#33
1,2-Dichloroethane-d4
Concen: 56.110 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion: 65 Resp: 120828

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	106.2



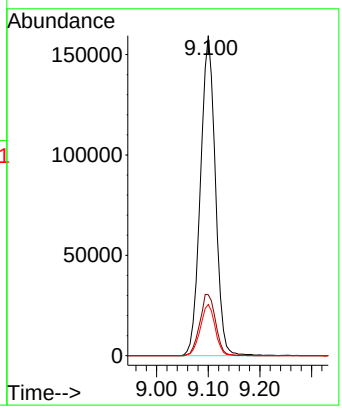


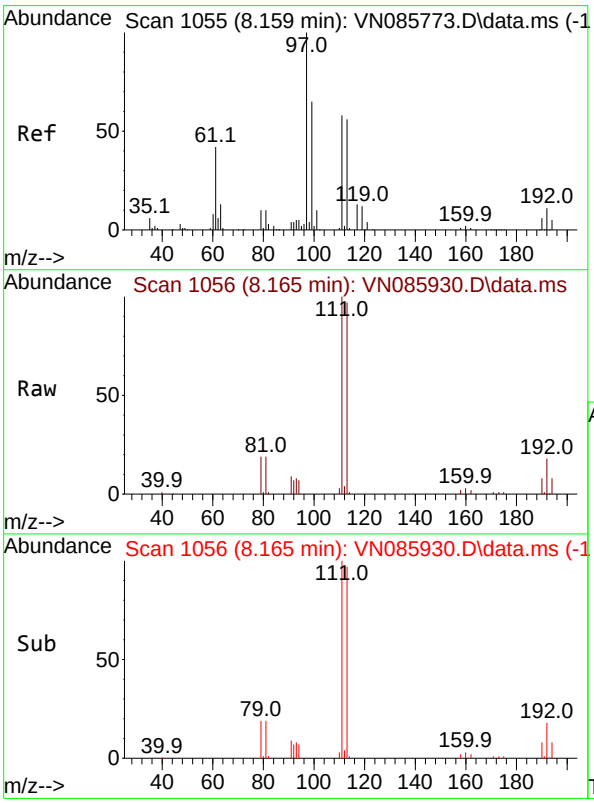
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Tgt Ion:114 Resp: 319285

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.2
88	16.0	0.0	30.0

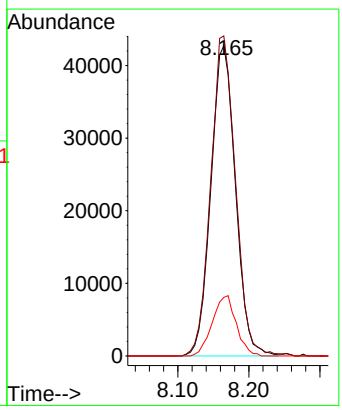


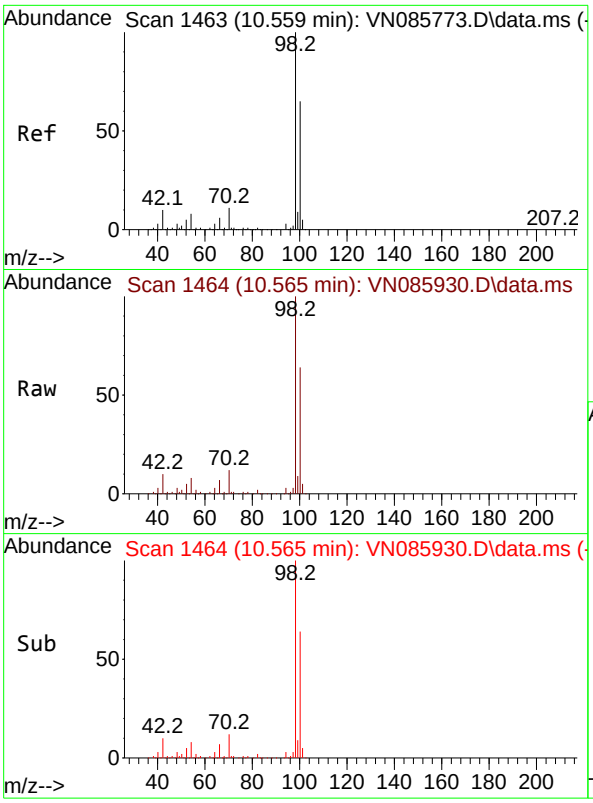


#35
Dibromofluoromethane
Concen: 49.016 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion:113 Resp: 102406

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.2	123.4
192	18.9	14.7	22.1



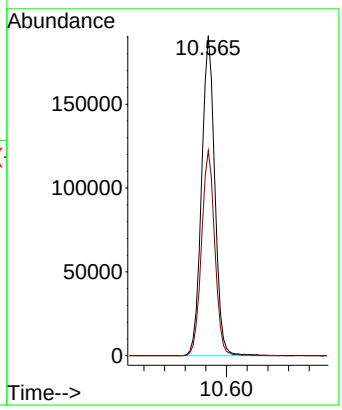


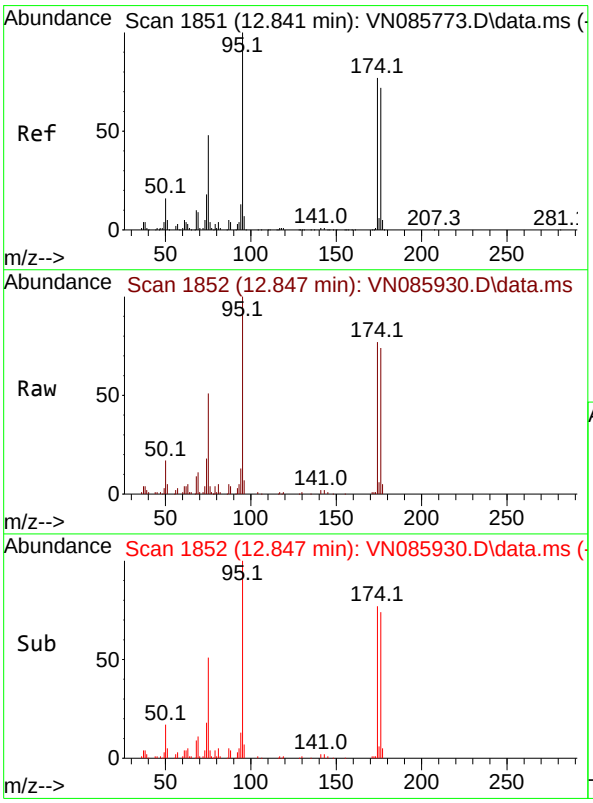
#50
Toluene-d8
Concen: 44.531 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Tgt Ion: 98 Resp: 338496

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

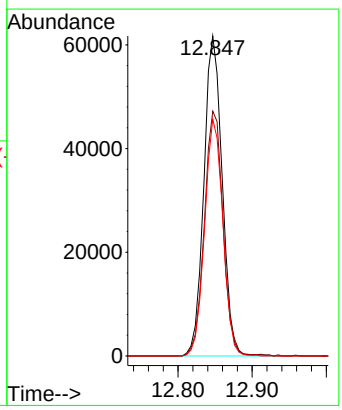


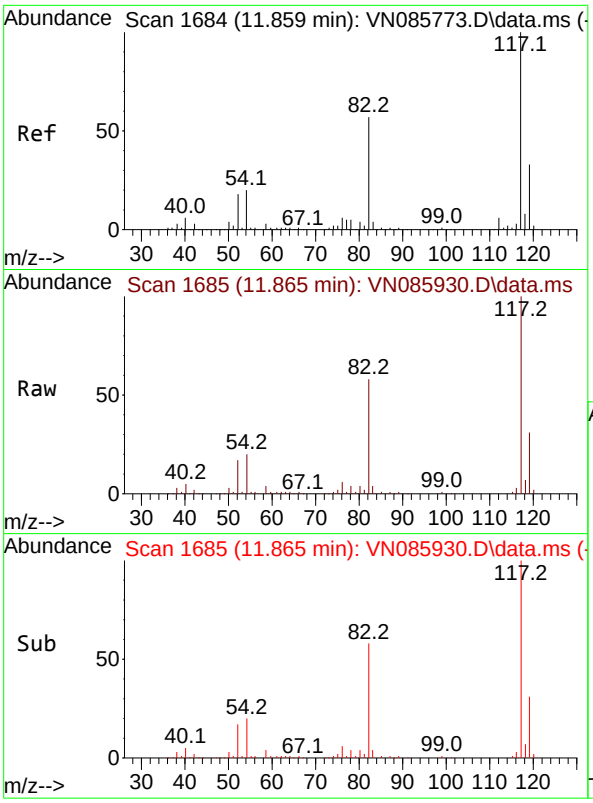


#62
4-Bromofluorobenzene
Concen: 42.240 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion: 95 Resp: 105788

Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	152.4
176	73.8	0.0	146.6



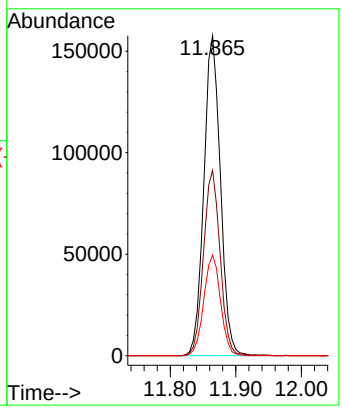


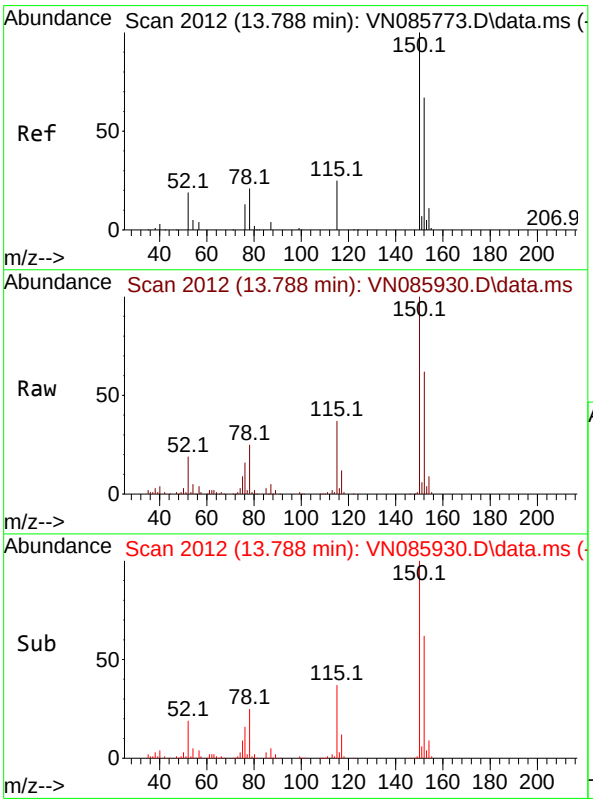
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBL01

Tgt Ion:117 Resp: 277562

Ion	Ratio	Lower	Upper
117	100		
82	57.9	45.7	68.5
119	31.5	26.2	39.2

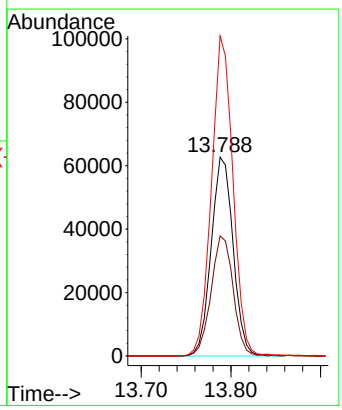




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085930.D
Acq: 11 Mar 2025 14:21

Tgt Ion:152 Resp: 106492

Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.4	91.3
150	157.7	0.0	345.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085931.D
Acq On : 11 Mar 2025 14:54
Operator : JC\MD
Sample : VN0311WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 01:20:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	171959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104493	46.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.740%		
35) Dibromofluoromethane	8.165	113	86656	46.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.820%		
50) Toluene-d8	10.565	98	311283	46.315	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.620%		
62) 4-Bromofluorobenzene	12.847	95	107765	48.665	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.320%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	46040	19.684	ug/l	95
3) Chloromethane	2.359	50	43998	18.746	ug/l	100
4) Vinyl Chloride	2.512	62	43138	17.359	ug/l	98
5) Bromomethane	2.954	94	27066	17.033	ug/l	98
6) Chloroethane	3.118	64	25922	15.748	ug/l	98
7) Trichlorofluoromethane	3.495	101	68309	18.985	ug/l	97
8) Diethyl Ether	3.959	74	20408	17.530	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	39761	19.118	ug/l	98
10) Methyl Iodide	4.589	142	46990	18.329	ug/l	97
11) Tert butyl alcohol	5.518	59	24987	91.127	ug/l #	90
12) 1,1-Dichloroethene	4.342	96	35866	19.019	ug/l	97
13) Acrolein	4.171	56	36561	89.914	ug/l	95
14) Allyl chloride	5.024	41	45099	18.215	ug/l	94
15) Acrylonitrile	5.718	53	88991	99.833	ug/l	98
16) Acetone	4.424	43	64479	91.405	ug/l	97
17) Carbon Disulfide	4.712	76	110141	19.707	ug/l	99
18) Methyl Acetate	5.024	43	38972	16.062	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	103840	18.531	ug/l	99
20) Methylene Chloride	5.271	84	42432	18.704	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	37463	18.450	ug/l	88
22) Diisopropyl ether	6.671	45	111397	19.912	ug/l	98
23) Vinyl Acetate	6.600	43	368840	96.289	ug/l	99
24) 1,1-Dichloroethane	6.571	63	72568	19.081	ug/l	98
25) 2-Butanone	7.477	43	99858	96.221	ug/l	99
26) 2,2-Dichloropropane	7.489	77	62578	18.505	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	42379	18.000	ug/l	97
28) Bromochloromethane	7.812	49	37741	24.145	ug/l	92
29) Tetrahydrofuran	7.841	42	65823	98.221	ug/l	99
30) Chloroform	7.965	83	75940	19.108	ug/l	99
31) Cyclohexane	8.253	56	59584	18.712	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	67340	19.050	ug/l	97
36) 1,1-Dichloropropene	8.365	75	49565	18.958	ug/l	99
37) Ethyl Acetate	7.553	43	41433	19.258	ug/l	99
38) Carbon Tetrachloride	8.359	117	61348	19.749	ug/l	93
39) Methylcyclohexane	9.600	83	45454	17.697	ug/l	91
40) Benzene	8.600	78	165147	19.709	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085931.D
Acq On : 11 Mar 2025 14:54
Operator : JC\MD
Sample : VN0311WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 01:20:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	22880	19.893	ug/l		98
42) 1,2-Dichloroethane	8.665	62	54080	19.814	ug/l		98
43) Isopropyl Acetate	8.688	43	72385	18.830	ug/l		99
44) Trichloroethene	9.347	130	36357	17.671	ug/l		99
45) 1,2-Dichloropropane	9.618	63	39742	19.649	ug/l		99
46) Dibromomethane	9.706	93	28013	19.635	ug/l		97
47) Bromodichloromethane	9.883	83	58843	19.278	ug/l		98
48) Methyl methacrylate	9.677	41	30151	18.870	ug/l		98
49) 1,4-Dioxane	9.694	88	12170	400.527	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.441	43	211308	101.867	ug/l		98
52) Toluene	10.630	92	100609	20.483	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	53811	19.065	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	59621	19.264	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	38483	19.705	ug/l		97
56) Ethyl methacrylate	10.871	69	47794	18.623	ug/l		97
57) 1,3-Dichloropropane	11.159	76	63091	19.352	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	90341	96.936	ug/l		100
59) 2-Hexanone	11.194	43	146567	102.707	ug/l		99
60) Dibromochloromethane	11.353	129	44279	19.471	ug/l		98
61) 1,2-Dibromoethane	11.465	107	35743	19.371	ug/l		100
64) Tetrachloroethene	11.100	164	36978	19.074	ug/l		95
65) Chlorobenzene	11.888	112	106130	18.513	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	39196	19.022	ug/l		98
67) Ethyl Benzene	11.959	91	168567	18.771	ug/l		99
68) m/p-Xylenes	12.065	106	137476	40.303	ug/l		99
69) o-Xylene	12.394	106	61515	18.978	ug/l		100
70) Styrene	12.412	104	106050	19.044	ug/l		99
71) Bromoform	12.576	173	29845	19.493	ug/l	#	98
73) Isopropylbenzene	12.694	105	153371	17.442	ug/l		100
74) N-amyl acetate	12.494	43	55670	17.953	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	53621	17.721	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	55548m	19.483	ug/l		
77) Bromobenzene	12.976	156	41957	17.661	ug/l		96
78) n-propylbenzene	13.035	91	185851	18.455	ug/l		100
79) 2-Chlorotoluene	13.123	91	119676	17.787	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	135483	18.915	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	17168	17.570	ug/l		94
82) 4-Chlorotoluene	13.218	91	124042	18.596	ug/l		97
83) tert-Butylbenzene	13.435	119	101170	16.796	ug/l		95
84) 1,2,4-Trimethylbenzene	13.482	105	133778	18.877	ug/l		99
85) sec-Butylbenzene	13.612	105	150326	17.664	ug/l		99
86) p-Isopropyltoluene	13.729	119	121044	16.805	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	77221	17.350	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	76516	16.773	ug/l		97
89) n-Butylbenzene	14.053	91	95450	15.797	ug/l		96
90) Hexachloroethane	14.329	117	26658	16.540	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	74904	17.501	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8752	15.752	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	31181	15.289	ug/l		99
94) Hexachlorobutadiene	15.500	225	19246	15.528	ug/l		95
95) Naphthalene	15.641	128	78375	13.998	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	30568	14.930	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085931.D
Acq On : 11 Mar 2025 14:54
Operator : JC\MD
Sample : VN0311WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 01:20:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

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

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

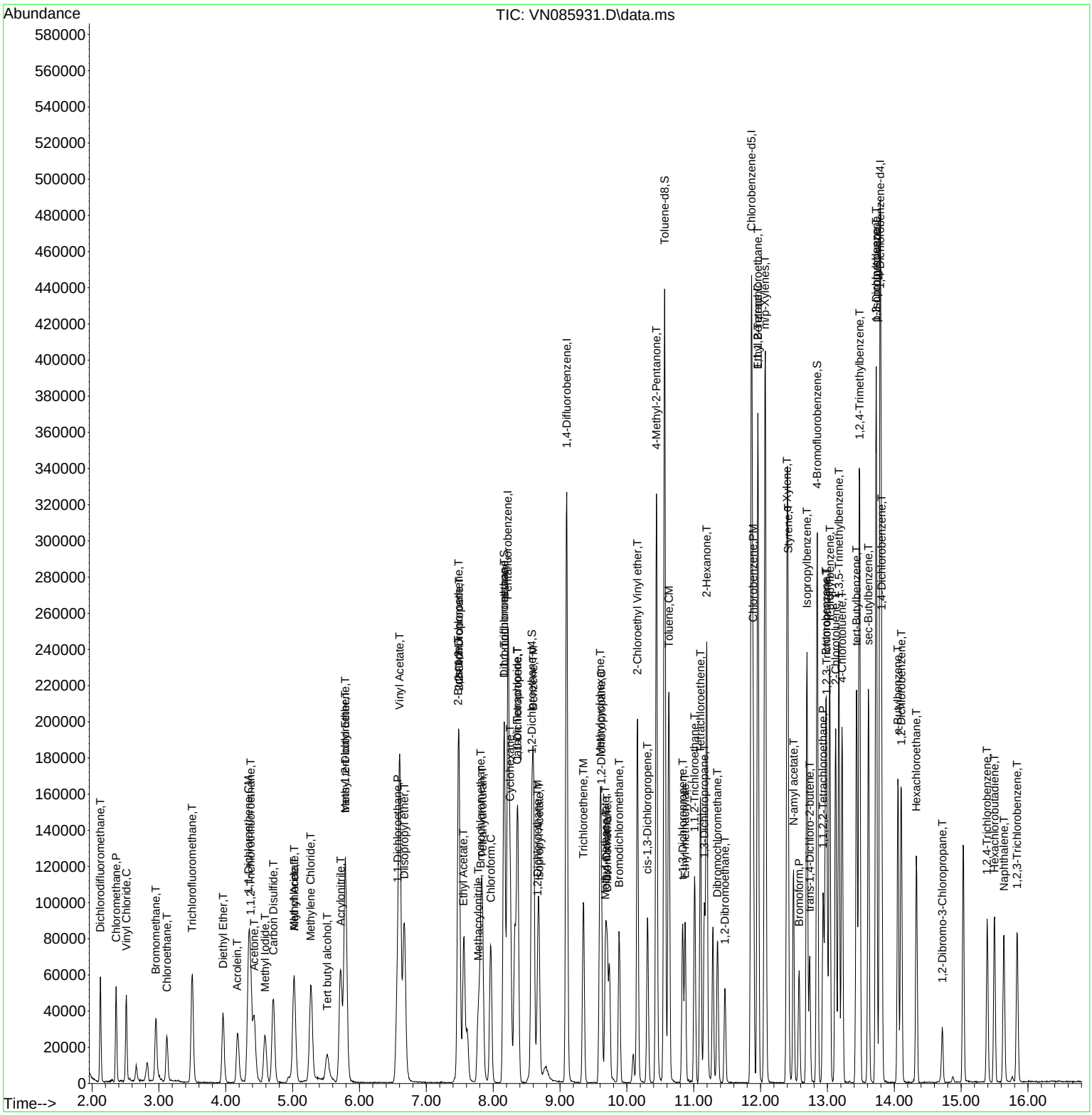
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085931.D
Acq On : 11 Mar 2025 14:54
Operator : JC\MD
Sample : VN0311WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 01:20:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085932.D
Acq On : 11 Mar 2025 15:28
Operator : JC\MD
Sample : VN0311WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 12 01:21:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	166815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	269902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	102925	47.591	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.180%			
35) Dibromofluoromethane	8.165	113	84117	47.628	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.260%			
50) Toluene-d8	10.565	98	299527	46.614	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.220%			
62) 4-Bromofluorobenzene	12.847	95	106317	50.218	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	44409	19.572	ug/l	99
3) Chloromethane	2.359	50	44374	19.489	ug/l	97
4) Vinyl Chloride	2.512	62	42608	17.674	ug/l	97
5) Bromomethane	2.953	94	24991	16.212	ug/l	97
6) Chloroethane	3.118	64	25347	15.873	ug/l	99
7) Trichlorofluoromethane	3.500	101	64484	18.475	ug/l	94
8) Diethyl Ether	3.959	74	20885	18.493	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	38431	19.048	ug/l	98
10) Methyl Iodide	4.588	142	45692	18.373	ug/l	94
11) Tert butyl alcohol	5.518	59	27546	103.558	ug/l #	85
12) 1,1-Dichloroethene	4.341	96	34031	18.603	ug/l	90
13) Acrolein	4.183	56	37037	93.894	ug/l	92
14) Allyl chloride	5.018	41	45313	18.866	ug/l	93
15) Acrylonitrile	5.712	53	89670	103.697	ug/l	98
16) Acetone	4.430	43	68828	100.579	ug/l	99
17) Carbon Disulfide	4.712	76	105501	19.459	ug/l	99
18) Methyl Acetate	5.024	43	40057	17.019	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	104432	19.211	ug/l	96
20) Methylene Chloride	5.271	84	42240	19.194	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	35362	17.952	ug/l	97
22) Diisopropyl ether	6.671	45	110291	20.322	ug/l	96
23) Vinyl Acetate	6.600	43	373467	100.504	ug/l	99
24) 1,1-Dichloroethane	6.571	63	71060	19.261	ug/l	98
25) 2-Butanone	7.482	43	102911	102.220	ug/l	99
26) 2,2-Dichloropropane	7.482	77	59355	18.093	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	41008	17.955	ug/l	96
28) Bromochloromethane	7.812	49	36994	24.397	ug/l	94
29) Tetrahydrofuran	7.835	42	67190	103.352	ug/l	98
30) Chloroform	7.965	83	73399	19.038	ug/l	100
31) Cyclohexane	8.253	56	58750	19.019	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	65410	19.074	ug/l	99
36) 1,1-Dichloropropene	8.371	75	47425	18.974	ug/l	96
37) Ethyl Acetate	7.559	43	46512	22.612	ug/l	98
38) Carbon Tetrachloride	8.359	117	60097	20.235	ug/l	97
39) Methylcyclohexane	9.600	83	44632	18.176	ug/l	91
40) Benzene	8.600	78	158231	19.751	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085932.D
Acq On : 11 Mar 2025 15:28
Operator : JC\MD
Sample : VN0311WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 12 01:21:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	23989	21.816	ug/l		97
42) 1,2-Dichloroethane	8.671	62	52687	20.191	ug/l		99
43) Isopropyl Acetate	8.688	43	73303	19.978	ug/l		99
44) Trichloroethene	9.347	130	35475	18.035	ug/l		97
45) 1,2-Dichloropropane	9.612	63	39256	20.301	ug/l		97
46) Dibromomethane	9.706	93	27667	20.284	ug/l		96
47) Bromodichloromethane	9.882	83	57554	19.722	ug/l		98
48) Methyl methacrylate	9.676	41	31149	20.391	ug/l		99
49) 1,4-Dioxane	9.688	88	12981	446.857	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	217937	109.892	ug/l		98
52) Toluene	10.629	92	97359	20.732	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	54176	20.077	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	59404	20.076	ug/l		93
55) 1,1,2-Trichloroethane	11.012	97	36590	19.597	ug/l		97
56) Ethyl methacrylate	10.870	69	48469	19.676	ug/l		97
57) 1,3-Dichloropropane	11.159	76	62641	20.098	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	92918	104.180	ug/l		98
59) 2-Hexanone	11.194	43	154345	113.129	ug/l		99
60) Dibromochloromethane	11.359	129	45593	20.971	ug/l		95
61) 1,2-Dibromoethane	11.465	107	35932	20.368	ug/l		99
64) Tetrachloroethene	11.100	164	34886	18.449	ug/l		94
65) Chlorobenzene	11.888	112	102428	18.318	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	37980	18.897	ug/l		100
67) Ethyl Benzene	11.959	91	164011	18.725	ug/l		99
68) m/p-Xylenes	12.070	106	132245	39.747	ug/l		99
69) o-Xylene	12.400	106	60408	19.107	ug/l		98
70) Styrene	12.412	104	103470	19.049	ug/l		98
71) Bromoform	12.576	173	30578	20.475	ug/l	#	99
73) Isopropylbenzene	12.694	105	149903	17.740	ug/l		99
74) N-amyl acetate	12.494	43	56542	18.975	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	53436	18.378	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	51299m	18.724	ug/l		
77) Bromobenzene	12.976	156	41022	17.969	ug/l		93
78) n-propylbenzene	13.035	91	179451	18.544	ug/l		99
79) 2-Chlorotoluene	13.123	91	119913	18.546	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	130459	18.953	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	19541	20.811	ug/l		90
82) 4-Chlorotoluene	13.217	91	122450	19.104	ug/l		99
83) tert-Butylbenzene	13.435	119	102074	17.635	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	131448	19.302	ug/l		99
85) sec-Butylbenzene	13.611	105	145745	17.821	ug/l		99
86) p-Isopropyltoluene	13.729	119	119735	17.268	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	76798	17.956	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	77090	17.586	ug/l		100
89) n-Butylbenzene	14.053	91	95229	16.401	ug/l		96
90) Hexachloroethane	14.329	117	26609	17.180	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	73481	17.866	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9607	17.993	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	31550	16.098	ug/l		99
94) Hexachlorobutadiene	15.494	225	18407	15.454	ug/l		98
95) Naphthalene	15.635	128	82066	15.252	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	31176	15.845	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
Data File : VN085932.D
Acq On : 11 Mar 2025 15:28
Operator : JC\MD
Sample : VN0311WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 12 01:21:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031125\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0311WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
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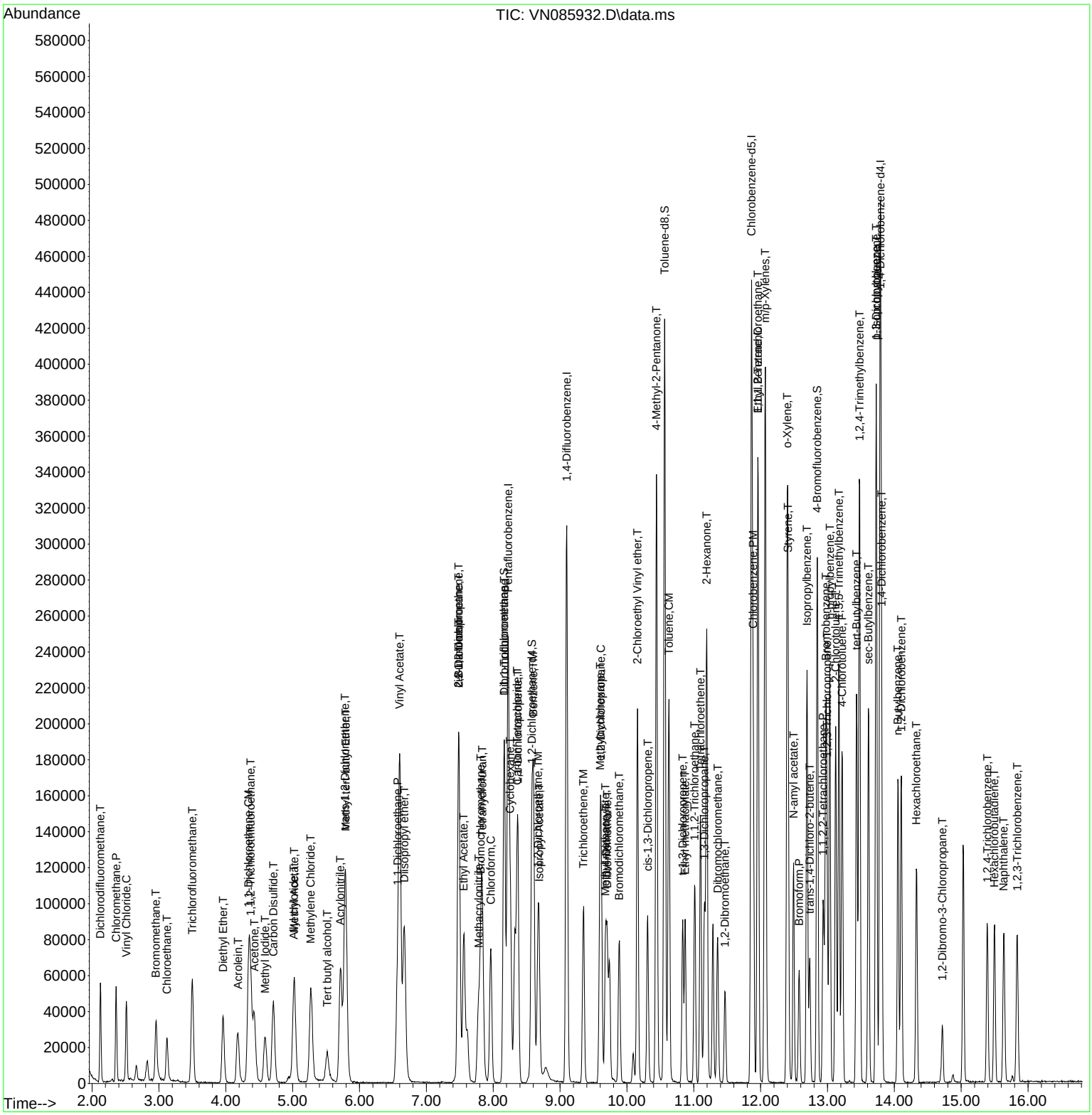

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VN021825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085772.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:09 AM	MMDadoda	2/19/2025 12:44:43 PM	Peak Integrated by Software
VSTDICCC050	VN085773.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:14 AM	MMDadoda	2/19/2025 12:44:47 PM	Peak Integrated by Software
VSTDICC010	VN085775.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:23 AM	MMDadoda	2/19/2025 12:44:56 PM	Peak Integrated by Software
VSTDICC010	VN085775.D	Vinyl Acetate	JOHN	2/19/2025 9:44:23 AM	MMDadoda	2/19/2025 12:44:56 PM	Peak Integrated by Software
VSTDICC005	VN085776.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:27 AM	MMDadoda	2/19/2025 12:45:01 PM	Peak Integrated by Software
VSTDICC005	VN085776.D	Vinyl Acetate	JOHN	2/19/2025 9:44:27 AM	MMDadoda	2/19/2025 12:45:01 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	1,4-Dichlorobenzene	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	2,2-Dichloropropane	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	Allyl chloride	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	Diethyl Ether	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC001	VN085777.D	Vinyl Acetate	JOHN	2/19/2025 9:44:33 AM	MMDadoda	2/19/2025 12:45:05 PM	Peak Integrated by Software
VSTDICC020	VN085779.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:37 AM	MMDadoda	2/19/2025 12:45:09 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN021825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN085780.D	1,2,3-Trichloropropane	JOHN	2/19/2025 9:44:42 AM	MMDadoda	2/19/2025 12:45:13 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN031125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085928.D	1,2,3-Trichloropropane	JOHN	3/12/2025 9:46:21 AM	MMDadoda	3/12/2025 3:16:48 PM	Peak Integrated by Software
VN0311WBS01	VN085931.D	1,2,3-Trichloropropane	JOHN	3/12/2025 9:46:26 AM	MMDadoda	3/12/2025 3:16:49 PM	Peak Integrated by Software
VN0311WBSD01	VN085932.D	1,2,3-Trichloropropane	JOHN	3/12/2025 9:46:30 AM	MMDadoda	3/12/2025 3:16:50 PM	Peak Integrated by Software
VSTDCCC050	VN085952.D	1,2,3-Trichloropropane	JOHN	3/12/2025 9:46:55 AM	MMDadoda	3/12/2025 3:16:58 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN021825

Review By	John Carlone	Review On	2/19/2025 9:44:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:51 PM		
SubDirectory	VN021825	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133068
Initial Calibration Stds	VP133070,VP133071,VP133072,VP133073,VP133074,VP133075
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133076
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085771.D	18 Feb 2025 10:35	JC\MD	Ok
2	VSTDICC100	VN085772.D	18 Feb 2025 11:09	JC\MD	Ok,M
3	VSTDICCC050	VN085773.D	18 Feb 2025 11:32	JC\MD	Ok,M
4	VSTDICC020	VN085774.D	18 Feb 2025 11:56	JC\MD	Not Ok
5	VSTDICC010	VN085775.D	18 Feb 2025 12:20	JC\MD	Ok,M
6	VSTDICC005	VN085776.D	18 Feb 2025 12:43	JC\MD	Ok,M
7	VSTDICC001	VN085777.D	18 Feb 2025 13:07	JC\MD	Ok,M
8	IBLK	VN085778.D	18 Feb 2025 13:54	JC\MD	Ok
9	VSTDICC020	VN085779.D	18 Feb 2025 14:18	JC\MD	Ok,M
10	VSTDICV050	VN085780.D	18 Feb 2025 16:28	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031125

Review By	John Carlone	Review On	3/12/2025 9:49:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/12/2025 3:17:04 PM		
SubDirectory	VN031125	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133247
Initial Calibration Stds	
CCC	VP133248,VP133249
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085927.D	11 Mar 2025 12:12	JC\MD	Ok
2	VSTDCCC050	VN085928.D	11 Mar 2025 13:22	JC\MD	Ok,M
3	VN0311MBL01	VN085929.D	11 Mar 2025 13:56	JC\MD	Ok
4	VN0311WBL01	VN085930.D	11 Mar 2025 14:21	JC\MD	Ok
5	VN0311WBS01	VN085931.D	11 Mar 2025 14:54	JC\MD	Ok,M
6	VN0311WBSD01	VN085932.D	11 Mar 2025 15:28	JC\MD	Ok,M
7	PB167050TB	VN085933.D	11 Mar 2025 15:52	JC\MD	Ok
8	Q1514-09	VN085934.D	11 Mar 2025 16:16	JC\MD	Ok
9	PB167050ZHE#02	VN085935.D	11 Mar 2025 16:40	JC\MD	Ok
10	PB167050ZHE#03	VN085936.D	11 Mar 2025 17:04	JC\MD	Ok
11	PB167050ZHE#04	VN085937.D	11 Mar 2025 17:28	JC\MD	Ok
12	PB167050ZHE#05	VN085938.D	11 Mar 2025 17:52	JC\MD	Ok
13	PB167050ZHE#06	VN085939.D	11 Mar 2025 18:16	JC\MD	Ok
14	PB167050ZHE#07	VN085940.D	11 Mar 2025 18:40	JC\MD	Ok
15	PB167050ZHE#08	VN085941.D	11 Mar 2025 19:04	JC\MD	Ok
16	PB167050ZHE#09	VN085942.D	11 Mar 2025 19:29	JC\MD	Ok
17	Q1534-06	VN085943.D	11 Mar 2025 19:53	JC\MD	Ok,M
18	Q1534-12	VN085944.D	11 Mar 2025 20:17	JC\MD	Ok,M
19	Q1534-18	VN085945.D	11 Mar 2025 20:41	JC\MD	Ok,M
20	Q1534-24	VN085946.D	11 Mar 2025 21:05	JC\MD	Ok,M
21	Q1514-02	VN085947.D	11 Mar 2025 21:29	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031125

Review By	John Carlone	Review On	3/12/2025 9:49:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/12/2025 3:17:04 PM		
SubDirectory	VN031125	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133247
Initial Calibration Stds	
CCC	VP133248,VP133249
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1514-04	VN085948.D	11 Mar 2025 21:53	JC\MD	Ok
23	Q1514-06	VN085949.D	11 Mar 2025 22:17	JC\MD	Ok
24	Q1523-01	VN085950.D	11 Mar 2025 22:41	JC\MD	Ok
25	Q1523-04	VN085951.D	11 Mar 2025 23:05	JC\MD	Ok
26	VSTDCCC050	VN085952.D	11 Mar 2025 23:29	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 # VN021825

Review By	John Carlone	Review On	2/19/2025 9:44:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/19/2025 1:34:51 PM		
SubDirectory	VN021825	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133068
Initial Calibration Stds	VP133070,VP133071,VP133072,VP133073,VP133074,VP133075
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133076
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085771.D	18 Feb 2025 10:35		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN085772.D	18 Feb 2025 11:09	Comp.#43 is on Linear Regression	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN085773.D	18 Feb 2025 11:32	Comp.#56,58,70,86 is on Quadratic Regression	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN085774.D	18 Feb 2025 11:56	Not used	JC\MD	Not Ok
5	VSTDICC010	VSTDICC010	VN085775.D	18 Feb 2025 12:20		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN085776.D	18 Feb 2025 12:43	%D failed for Comp. #58 in 01PPB, 05PPB and 20PPB	JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN085777.D	18 Feb 2025 13:07		JC\MD	Ok,M
8	IBLK	IBLK	VN085778.D	18 Feb 2025 13:54		JC\MD	Ok
9	VSTDICC020	VSTDICC020	VN085779.D	18 Feb 2025 14:18		JC\MD	Ok,M
10	VSTDICV050	ICVVN021825	VN085780.D	18 Feb 2025 16:28	ICV Failed for comp. #95	JC\MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031125

Review By	John Carlone	Review On	3/12/2025 9:49:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/12/2025 3:17:04 PM		
SubDirectory	VN031125	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133247
Initial Calibration Stds	
CCC	VP133248,VP133249
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	VN085927.D	11 Mar 2025 12:12		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085928.D	11 Mar 2025 13:22	pH#Lot#V12668	JC\MD	Ok,M
3	VN0311MBL01	VN0311MBL01	VN085929.D	11 Mar 2025 13:56		JC\MD	Ok
4	VN0311WBL01	VN0311WBL01	VN085930.D	11 Mar 2025 14:21		JC\MD	Ok
5	VN0311WBS01	VN0311WBS01	VN085931.D	11 Mar 2025 14:54		JC\MD	Ok,M
6	VN0311WBSD01	VN0311WBSD01	VN085932.D	11 Mar 2025 15:28		JC\MD	Ok,M
7	PB167050TB	PB167050TB	VN085933.D	11 Mar 2025 15:52		JC\MD	Ok
8	Q1514-09	FB03062025	VN085934.D	11 Mar 2025 16:16	vial B pH<2 FB	JC\MD	Ok
9	PB167050ZHE#02	PB167050ZHE#02	VN085935.D	11 Mar 2025 16:40		JC\MD	Ok
10	PB167050ZHE#03	PB167050ZHE#03	VN085936.D	11 Mar 2025 17:04		JC\MD	Ok
11	PB167050ZHE#04	PB167050ZHE#04	VN085937.D	11 Mar 2025 17:28		JC\MD	Ok
12	PB167050ZHE#05	PB167050ZHE#05	VN085938.D	11 Mar 2025 17:52		JC\MD	Ok
13	PB167050ZHE#06	PB167050ZHE#06	VN085939.D	11 Mar 2025 18:16		JC\MD	Ok
14	PB167050ZHE#07	PB167050ZHE#07	VN085940.D	11 Mar 2025 18:40		JC\MD	Ok
15	PB167050ZHE#08	PB167050ZHE#08	VN085941.D	11 Mar 2025 19:04		JC\MD	Ok
16	PB167050ZHE#09	PB167050ZHE#09	VN085942.D	11 Mar 2025 19:29		JC\MD	Ok
17	Q1534-06	OR-363-COMP-16	VN085943.D	11 Mar 2025 19:53	vial A pH#5.0	JC\MD	Ok,M
18	Q1534-12	OR-363-COMP-17	VN085944.D	11 Mar 2025 20:17	vial A pH#5.0	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031125

Review By	John Carlone	Review On	3/12/2025 9:49:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/12/2025 3:17:04 PM		
SubDirectory	VN031125	HP Acquire Method		HP Processing Method	82N021825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133247
Initial Calibration Stds	
CCC	VP133248,VP133249
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1534-18	OR-363-COMP-18	VN085945.D	11 Mar 2025 20:41	vial A pH#5.0	JC\MD	Ok,M
20	Q1534-24	OR-363OR-363-COMP	VN085946.D	11 Mar 2025 21:05	vial A pH#5.0	JC\MD	Ok,M
21	Q1514-02	ENV-105-SB01	VN085947.D	11 Mar 2025 21:29	vial A pH#5.0	JC\MD	Ok
22	Q1514-04	ENV-105-SB02	VN085948.D	11 Mar 2025 21:53	vial A pH#5.0	JC\MD	Ok
23	Q1514-06	ENV-103-SB01	VN085949.D	11 Mar 2025 22:17	vial A pH#5.0	JC\MD	Ok
24	Q1523-01	WC-A1-01-G	VN085950.D	11 Mar 2025 22:41	vial A pH#5.0	JC\MD	Ok
25	Q1523-04	WC-A1-02-G	VN085951.D	11 Mar 2025 23:05	vial A pH#5.0	JC\MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VN085952.D	11 Mar 2025 23:29		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-02	**ENV-105-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP VOA	8260D			03/11/25	
Q1514-04	**ENV-105-SB02**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP VOA	8260D			03/11/25	
Q1514-06	**ENV-103-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP VOA	8260D			03/11/25	

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167050

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1

TCLP Filter ID : 50223706

Start Prep Date : 03/10/2025 **Time :** 15:30

End Prep Date : 03/11/2025 **Time :** 09:45

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP VN031125.

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : JZ

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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
N/A	N/A	N/A
N/A	N/A	N/A
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	23237	N/A

Extraction Conformance/Non-Conformance Comments:

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/11/25 10:30	JP TCLP Room	100C Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167050

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
PB167050TB	LEB050	10	N/A	500	N/A	N/A	N/A	4.94	N/A	ZHE-1
Q1514-02	ENV-105-SB01	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1514-04	ENV-105-SB02	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1514-06	ENV-103-SB01	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1523-01	WC-A1-01-G	04	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1523-04	WC-A1-02-G	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1534-06	OR-363-COMP-16	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1534-12	OR-363-COMP-17	07	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1534-18	OR-363-COMP-18	08	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1534-24	OR-363OR-363-COMP-19-	09	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167050TB	LEB050	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-02	ENV-105-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1514-04	ENV-105-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1514-06	ENV-103-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1523-01	WC-A1-01-G	N/A	N/A	N/A	N/A	100	N/A
Q1523-04	WC-A1-02-G	N/A	N/A	N/A	N/A	100	N/A
Q1534-06	OR-363-COMP-16	N/A	N/A	N/A	N/A	100	N/A
Q1534-12	OR-363-COMP-17	N/A	N/A	N/A	N/A	100	N/A
Q1534-18	OR-363-COMP-18	N/A	N/A	N/A	N/A	100	N/A
Q1534-24	OR-363OR-363-COMP-19-	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHW Q1534 **WorkList ID :** 188162 **Department :** TCLP Extraction **Date :** 03-10-2025 13:43:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1514-02	ENV-105-SB01	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311 ZHE
Q1514-04	ENV-105-SB02	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311 ZHE
Q1514-06	ENV-103-SB01	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311 ZHE
Q1523-01	WC-A1-01-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311 ZHE
Q1523-04	WC-A1-02-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	I31	03/06/2025	1311 ZHE
Q1534-06	OR-363-COMP-16	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	I31	03/06/2025	1311 ZHE
Q1534-12	OR-363-COMP-17	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	H31	03/07/2025	1311 ZHE
Q1534-18	OR-363-COMP-18	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	H31	03/07/2025	1311 ZHE
Q1534-24	OR-363OR-363-COMP-19-	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	H31	03/07/2025	1311 ZHE

Date/Time 03/10/25 13:55

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 03/10/25 17:30

Raw Sample Received by:

Raw Sample Relinquished by:

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

Hit Summary Sheet
SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : ENV-105-SB01									
Q1514-01	ENV-105-SB01	SOIL	Phenanthrene		340.000		91.6	190	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Fluoranthene		300.000		89	190	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Pyrene		240.000		90.5	190	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Benzo(a)anthracene		150.000	J	88	190	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Chrysene		150.000	J	86.6	190	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Benzo(b)fluoranthene		140.000	J	88.4	190	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Benzo(a)pyrene		130.000	J	100	190	ug/Kg
			Total Svoc :		**1,450.00**				
Q1514-01	ENV-105-SB01	SOIL	Benzophenone	*	250.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Dibenzothiophene	*	74.800	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Dodecane, 2-methyl-6-propyl-	*	78.500	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Eicosane	*	130.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Tetracosane	*	100.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Heneicosane	*	290.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Heptadecane	*	110.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	n-Hexadecanoic acid	*	320.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Pentacosane	*	180.000	J	0	0	ug/Kg
			Total Tics :		**2,633.30**				
			Total Concentration:		**4,083.30**				
Client ID : ENV-105-SB02									
Q1514-03	ENV-105-SB02	SOIL	Benzophenone	*	380.000	J	0	0	ug/Kg
Q1514-03	ENV-105-SB02	SOIL	Hexatriacontyl pentafluoropropior	*	97.000	J	0	0	ug/Kg
Q1514-03	ENV-105-SB02	SOIL	n-Hexadecanoic acid	*	180.000	J	0	0	ug/Kg
			Total Tics :		**657.00**				
			Total Concentration:		**657.00**				
Client ID : ENV-103-SB01									
Q1514-05	ENV-103-SB01	SOIL	Phenanthrene		100.000	J	94.2	190	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Fluoranthene		120.000	J	91.6	190	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Pyrene		110.000	J	93	190	ug/Kg
			Total Svoc :		**330.00**				
Q1514-05	ENV-103-SB01	SOIL	1,4-Benzenedicarboxylic acid, bis	*	1,900.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	1-Heneicosanol	*	220.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Benzo[e]pyrene	*	92.300	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Benzophenone	*	260.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Heneicosane	*	82.200	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1514-05	ENV-103-SB01	SOIL	Hexacosane	*	160.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	n-Hexadecanoic acid	*	1,100.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Octacosane	*	120.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Octadecanoic acid	*	1,400.000	J	0	0	ug/Kg
			Total Tics :		**6,634.50**				
			Total Concentration:		**6,964.50**				
Client ID :	**ENV-105-GW01**								
Q1514-07	ENV-105-GW01	WATER	Caprolactam		33.200		2.1	12.5	ug/L
			Total Svoc :		**33.20**				
Q1514-07	ENV-105-GW01	WATER	1-Isobutoxy-2-ethylhexane	*	11.700	J	0	0	ug/L
Q1514-07	ENV-105-GW01	WATER	Adipic acid, butyl 4-heptyl ester	*	28.200	J	0	0	ug/L
Q1514-07	ENV-105-GW01	WATER	Benzophenone	*	2.600	J	0	0	ug/L
Q1514-07	ENV-105-GW01	WATER	Hexanoic acid, 2-ethyl-	*	3.500	J	0	0	ug/L
Q1514-07	ENV-105-GW01	WATER	n-Hexadecanoic acid	*	3.600	J	0	0	ug/L
			Total Tics :		**49.60**				
			Total Concentration:		**82.80**				
Client ID :	**ENV-103-GW01**								
Q1514-08	ENV-103-GW01	WATER	Benzophenone	*	4.200	J	0	0	ug/L
Q1514-08	ENV-103-GW01	WATER	Dimethyl trisulfide	*	3.000	J	0	0	ug/L
Q1514-08	ENV-103-GW01	WATER	Disulfide, dimethyl	*	4.200	J	0	0	ug/L
Q1514-08	ENV-103-GW01	WATER	n-Hexadecanoic acid	*	3.600	J	0	0	ug/L
Q1514-08	ENV-103-GW01	WATER	n-Tetracosanol-1	*	3.600	J	0	0	ug/L
			Total Tics :		**18.60**				
			Total Concentration:		**18.60**				
Client ID :	**FB03062025**								
Q1514-09	FB03062025	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.200	A	0	0	ug/L
			Total Tics :		**8.20**				
			Total Concentration:		**8.20**				

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141918.D	1	03/07/25 08:55	03/11/25 16:12	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	360	ug/Kg
108-95-2	Phenol	90.4	U	90.4	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.2	U	91.2	190	ug/Kg
95-57-8	2-Chlorophenol	91.0	U	91.0	190	ug/Kg
95-48-7	2-Methylphenol	87.8	U	87.8	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.1	U	99.1	190	ug/Kg
98-86-2	Acetophenone	94.7	U	94.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	87.0	U	87.0	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.9	U	43.9	87.2	ug/Kg
67-72-1	Hexachloroethane	90.5	U	90.5	190	ug/Kg
98-95-3	Nitrobenzene	99.0	U	99.0	190	ug/Kg
78-59-1	Isophorone	92.2	U	92.2	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	93.5	U	93.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	82.3	U	82.3	190	ug/Kg
91-20-3	Naphthalene	90.0	U	90.0	190	ug/Kg
106-47-8	4-Chloroaniline	90.0	UQ	90.0	190	ug/Kg
87-68-3	Hexachlorobutadiene	90.8	U	90.8	190	ug/Kg
105-60-2	Caprolactam	94.6	U	94.6	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.5	U	84.5	190	ug/Kg
91-57-6	2-Methylnaphthalene	89.9	U	89.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.8	U	77.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.7	U	80.7	190	ug/Kg
92-52-4	1,1-Biphenyl	95.3	U	95.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	90.8	U	90.8	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	190	ug/Kg
131-11-3	Dimethylphthalate	89.0	U	89.0	190	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141918.D	1	03/07/25 08:55	03/11/25 16:12	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	94.3	U	94.3	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.7	U	90.7	190	ug/Kg
99-09-2	3-Nitroaniline	97.2	UQ	97.2	190	ug/Kg
83-32-9	Acenaphthene	88.4	U	88.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	360	ug/Kg
132-64-9	Dibenzofuran	92.0	U	92.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.9	U	93.9	190	ug/Kg
84-66-2	Diethylphthalate	87.3	U	87.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.3	U	93.3	190	ug/Kg
86-73-7	Fluorene	93.2	U	93.2	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.9	U	88.9	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86.0	U	86.0	190	ug/Kg
118-74-1	Hexachlorobenzene	92.6	U	92.6	190	ug/Kg
1912-24-9	Atrazine	99.6	U	99.6	190	ug/Kg
87-86-5	Pentachlorophenol	84.2	U	84.2	360	ug/Kg
85-01-8	Phenanthrene	340		91.6	190	ug/Kg
120-12-7	Anthracene	92.0	U	92.0	190	ug/Kg
86-74-8	Carbazole	87.5	U	87.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	91.9	U	91.9	190	ug/Kg
206-44-0	Fluoranthene	300		89.0	190	ug/Kg
129-00-0	Pyrene	240		90.5	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	150	J	88.0	190	ug/Kg
218-01-9	Chrysene	150	J	86.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99.2	U	99.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	J	88.4	190	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141918.D	1	03/07/25 08:55	03/11/25 16:12	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	90.0	U	90.0	190	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.1	U	85.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.5	U	88.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	87.3	U	87.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.6	U	94.6	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.4	U	81.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.8		30 (18) - 130 (112)	55%	SPK: 150
13127-88-3	Phenol-d6	78.2		30 (15) - 130 (107)	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.9		30 (18) - 130 (107)	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.6		30 (20) - 130 (109)	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	66.9		30 (10) - 130 (116)	45%	SPK: 150
1718-51-0	Terphenyl-d14	45.0		30 (10) - 130 (105)	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	151000	6.881			
1146-65-2	Naphthalene-d8	586000	8.157			
15067-26-2	Acenaphthene-d10	300000	9.916			
1517-22-2	Phenanthrene-d10	431000	11.398			
1719-03-5	Chrysene-d12	338000	14.039			
1520-96-3	Perylene-d12	250000	15.521			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J		2.15	ug/Kg
000119-61-9	Benzophenone	250	J		10.6	ug/Kg
000629-78-7	Heptadecane	110	J		10.8	ug/Kg
055045-08-4	Dodecane, 2-methyl-6-propyl-	78.5	J		11.3	ug/Kg
000132-65-0	Dibenzothiophene	74.8	J		11.3	ug/Kg
000646-31-1	Tetracosane	100	J		11.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	320	J		11.9	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141918.D	1	03/07/25 08:55	03/11/25 16:12	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000112-95-8	Eicosane	130	J		12.1	ug/Kg
000629-94-7	Heneicosane	290	J		12.5	ug/Kg
000629-99-2	Pentacosane	180	J		13.2	ug/Kg

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
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
BG064065.D	1	03/07/25 08:55	03/07/25 19:01	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	220	U	220	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	99.4	U	99.4	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	98.4	U	98.4	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	49.7	U	49.7	98.7	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	100	U	100	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	93.1	U	93.1	210	ug/Kg
91-20-3	Naphthalene	100	U	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	95.6	U	95.6	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.1	U	88.1	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	91.3	U	91.3	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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
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
BG064065.D	1	03/07/25 08:55	03/07/25 19:01	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	210	ug/Kg
99-09-2	3-Nitroaniline	110	UQ	110	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	210	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	410	ug/Kg
132-64-9	Dibenzofuran	100	U	100	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	210	ug/Kg
84-66-2	Diethylphthalate	98.8	U	98.8	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	140	U	140	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.3	U	97.3	210	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	210	ug/Kg
1912-24-9	Atrazine	110	U	110	210	ug/Kg
87-86-5	Pentachlorophenol	95.3	U	95.3	410	ug/Kg
85-01-8	Phenanthrene	100	U	100	210	ug/Kg
120-12-7	Anthracene	100	U	100	210	ug/Kg
86-74-8	Carbazole	99.0	U	99.0	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	UQ	120	410	ug/Kg
56-55-3	Benzo(a)anthracene	99.5	U	99.5	210	ug/Kg
218-01-9	Chrysene	98.1	U	98.1	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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
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
BG064065.D	1	03/07/25 08:55	03/07/25 19:01	PB167031

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	110	U	110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	96.3	U	96.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	98.8	U	98.8	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	92.1	U	92.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		30 (18) - 130 (112)	71%	SPK: 150
13127-88-3	Phenol-d6	102		30 (15) - 130 (107)	68%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.0		30 (18) - 130 (107)	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.0		30 (20) - 130 (109)	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		30 (10) - 130 (116)	79%	SPK: 150
1718-51-0	Terphenyl-d14	64.2		30 (10) - 130 (105)	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	32500	7.861			
1146-65-2	Naphthalene-d8	142000	10.652			
15067-26-2	Acenaphthene-d10	99700	14.483			
1517-22-2	Phenanthrene-d10	241000	17.227			
1719-03-5	Chrysene-d12	247000	21.457			
1520-96-3	Perylene-d12	266000	24.477			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	380	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J		18.1	ug/Kg
1000351-89-0	Hexatriacontyl pentafluoropropiona	97.0	J		21.2	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
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
BG064065.D	1	03/07/25 08:55	03/07/25 19:01	PB167031

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.1
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
BF141915.D	1	03/07/25 08:55	03/11/25 14:26	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	370	ug/Kg
108-95-2	Phenol	92.9	U	92.9	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	93.8	U	93.8	190	ug/Kg
95-57-8	2-Chlorophenol	93.6	U	93.6	190	ug/Kg
95-48-7	2-Methylphenol	90.3	U	90.3	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	97.4	U	97.4	190	ug/Kg
65794-96-9	3+4-Methylphenols	89.4	U	89.4	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.2	U	45.2	89.7	ug/Kg
67-72-1	Hexachloroethane	93.0	U	93.0	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	94.8	U	94.8	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	96.2	U	96.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	84.6	U	84.6	190	ug/Kg
91-20-3	Naphthalene	92.6	U	92.6	190	ug/Kg
106-47-8	4-Chloroaniline	92.6	UQ	92.6	190	ug/Kg
87-68-3	Hexachlorobutadiene	93.4	U	93.4	190	ug/Kg
105-60-2	Caprolactam	97.3	U	97.3	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86.9	U	86.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	92.5	U	92.5	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.0	U	80.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82.9	U	82.9	190	ug/Kg
92-52-4	1,1-Biphenyl	98.0	U	98.0	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.4	U	93.4	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	91.6	U	91.6	190	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.1
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
BF141915.D	1	03/07/25 08:55	03/11/25 14:26	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	97.0	U	97.0	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	93.3	U	93.3	190	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	190	ug/Kg
83-32-9	Acenaphthene	90.9	U	90.9	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	370	ug/Kg
132-64-9	Dibenzofuran	94.6	U	94.6	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.6	U	96.6	190	ug/Kg
84-66-2	Diethylphthalate	89.8	U	89.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.9	U	95.9	190	ug/Kg
86-73-7	Fluorene	95.8	U	95.8	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	91.5	U	91.5	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	88.4	U	88.4	190	ug/Kg
118-74-1	Hexachlorobenzene	95.3	U	95.3	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	86.6	U	86.6	370	ug/Kg
85-01-8	Phenanthrene	100	J	94.2	190	ug/Kg
120-12-7	Anthracene	94.6	U	94.6	190	ug/Kg
86-74-8	Carbazole	90.0	U	90.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	94.5	U	94.5	190	ug/Kg
206-44-0	Fluoranthene	120	J	91.6	190	ug/Kg
129-00-0	Pyrene	110	J	93.0	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	90.5	U	90.5	190	ug/Kg
218-01-9	Chrysene	89.1	U	89.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	90.9	U	90.9	190	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.1
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
BF141915.D	1	03/07/25 08:55	03/11/25 14:26	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	92.6	U	92.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	87.5	U	87.5	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	91.0	U	91.0	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	89.8	U	89.8	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.3	U	97.3	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	83.7	U	83.7	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	85.2		30 (18) - 130 (112)	57%	SPK: 150
13127-88-3	Phenol-d6	83.6		30 (15) - 130 (107)	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.1		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.9		30 (20) - 130 (109)	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.2		30 (10) - 130 (116)	57%	SPK: 150
1718-51-0	Terphenyl-d14	55.7		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	153000	6.881			
1146-65-2	Naphthalene-d8	610000	8.157			
15067-26-2	Acenaphthene-d10	347000	9.91			
1517-22-2	Phenanthrene-d10	612000	11.398			
1719-03-5	Chrysene-d12	453000	14.033			
1520-96-3	Perylene-d12	421000	15.504			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J		2.16	ug/Kg
000119-61-9	Benzophenone	260	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	1100	J		11.9	ug/Kg
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	1900	J		12.3	ug/Kg
000057-11-4	Octadecanoic acid	1400	J		12.7	ug/Kg
000630-02-4	Octacosane	120	J		13.7	ug/Kg
015594-90-8	1-Heneicosanol	220	J		13.9	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.1
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
BF141915.D	1	03/07/25 08:55	03/11/25 14:26	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000630-01-3	Hexacosane	160	J		14.8	ug/Kg
000192-97-2	Benzo[e]pyrene	92.3	J		15.1	ug/Kg
000629-94-7	Heneicosane	82.2	J		15.2	ug/Kg

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	800 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
BG064063.D	1	03/07/25 08:24	03/07/25 17:40	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	5.00	U	5.00	12.5	ug/L
108-95-2	Phenol	1.20	U	1.20	6.30	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.50	U	1.50	6.30	ug/L
95-57-8	2-Chlorophenol	0.89	U	0.89	6.30	ug/L
95-48-7	2-Methylphenol	1.40	U	1.40	6.30	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.70	U	1.70	6.30	ug/L
98-86-2	Acetophenone	1.40	U	1.40	6.30	ug/L
65794-96-9	3+4-Methylphenols	1.40	U	1.40	12.5	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.90	U	1.90	3.10	ug/L
67-72-1	Hexachloroethane	1.30	U	1.30	6.30	ug/L
98-95-3	Nitrobenzene	1.60	U	1.60	6.30	ug/L
78-59-1	Isophorone	1.40	U	1.40	6.30	ug/L
88-75-5	2-Nitrophenol	2.50	U	2.50	6.30	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	6.30	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.30	U	1.30	6.30	ug/L
120-83-2	2,4-Dichlorophenol	1.10	U	1.10	6.30	ug/L
91-20-3	Naphthalene	1.30	U	1.30	6.30	ug/L
106-47-8	4-Chloroaniline	1.60	UQ	1.60	6.30	ug/L
87-68-3	Hexachlorobutadiene	1.60	U	1.60	6.30	ug/L
105-60-2	Caprolactam	33.2		2.10	12.5	ug/L
59-50-7	4-Chloro-3-methylphenol	1.10	U	1.10	6.30	ug/L
91-57-6	2-Methylnaphthalene	1.40	U	1.40	6.30	ug/L
77-47-4	Hexachlorocyclopentadiene	6.30	U	6.30	12.5	ug/L
88-06-2	2,4,6-Trichlorophenol	1.10	U	1.10	6.30	ug/L
95-95-4	2,4,5-Trichlorophenol	1.30	U	1.30	6.30	ug/L
92-52-4	1,1-Biphenyl	1.10	U	1.10	6.30	ug/L
91-58-7	2-Chloronaphthalene	1.20	U	1.20	6.30	ug/L
88-74-4	2-Nitroaniline	1.80	U	1.80	6.30	ug/L
131-11-3	Dimethylphthalate	1.20	U	1.20	6.30	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	800 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
BG064063.D	1	03/07/25 08:24	03/07/25 17:40	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.30	U	1.30	6.30	ug/L
606-20-2	2,6-Dinitrotoluene	1.60	U	1.60	6.30	ug/L
99-09-2	3-Nitroaniline	1.70	UQ	1.70	6.30	ug/L
83-32-9	Acenaphthene	1.00	U	1.00	6.30	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	8.00	12.5	ug/L
100-02-7	4-Nitrophenol	2.50	U	2.50	12.5	ug/L
132-64-9	Dibenzofuran	1.20	U	1.20	6.30	ug/L
121-14-2	2,4-Dinitrotoluene	1.90	U	1.90	6.30	ug/L
84-66-2	Diethylphthalate	1.30	U	1.30	6.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.20	U	1.20	6.30	ug/L
86-73-7	Fluorene	1.20	U	1.20	6.30	ug/L
100-01-6	4-Nitroaniline	2.60	U	2.60	6.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.80	U	3.80	12.5	ug/L
86-30-6	n-Nitrosodiphenylamine	1.10	U	1.10	6.30	ug/L
101-55-3	4-Bromophenyl-phenylether	1.20	U	1.20	6.30	ug/L
118-74-1	Hexachlorobenzene	1.40	U	1.40	6.30	ug/L
1912-24-9	Atrazine	1.60	UQ	1.60	6.30	ug/L
87-86-5	Pentachlorophenol	2.30	U	2.30	12.5	ug/L
85-01-8	Phenanthrene	1.10	U	1.10	6.30	ug/L
120-12-7	Anthracene	1.30	U	1.30	6.30	ug/L
86-74-8	Carbazole	1.40	U	1.40	6.30	ug/L
84-74-2	Di-n-butylphthalate	1.80	U	1.80	6.30	ug/L
206-44-0	Fluoranthene	1.60	U	1.60	6.30	ug/L
129-00-0	Pyrene	1.30	U	1.30	6.30	ug/L
85-68-7	Butylbenzylphthalate	2.60	U	2.60	6.30	ug/L
91-94-1	3,3-Dichlorobenzidine	1.60	UQ	1.60	12.5	ug/L
56-55-3	Benzo(a)anthracene	1.20	U	1.20	6.30	ug/L
218-01-9	Chrysene	1.10	U	1.10	6.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.40	U	2.40	6.30	ug/L
117-84-0	Di-n-octyl phthalate	3.10	U	3.10	12.5	ug/L
205-99-2	Benzo(b)fluoranthene	1.40	U	1.40	6.30	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	800 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
BG064063.D	1	03/07/25 08:24	03/07/25 17:40	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.50	U	1.50	6.30	ug/L
50-32-8	Benzo(a)pyrene	2.10	U	2.10	6.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.30	U	1.30	6.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.40	U	1.40	6.30	ug/L
191-24-2	Benzo(g,h,i)perylene	1.50	U	1.50	6.30	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.40	U	1.40	6.30	ug/L
123-91-1	1,4-Dioxane	1.60	U	1.60	6.30	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.99	U	0.99	6.30	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	74.4		15 (10) - 110 (139)	50%	SPK: 150
13127-88-3	Phenol-d6	49.1		15 (10) - 110 (134)	33%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.9		30 (49) - 130 (133)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.9		30 (52) - 130 (132)	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		15 (44) - 110 (137)	95%	SPK: 150
1718-51-0	Terphenyl-d14	84.8		30 (48) - 130 (125)	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	37700	7.862			
1146-65-2	Naphthalene-d8	164000	10.653			
15067-26-2	Acenaphthene-d10	112000	14.484			
1517-22-2	Phenanthrene-d10	253000	17.227			
1719-03-5	Chrysene-d12	258000	21.458			
1520-96-3	Perylene-d12	269000	24.478			
TENTATIVE IDENTIFIED COMPOUNDS						
1000139-90-3	1-Isobutoxy-2-ethylhexane	11.7	J		7.93	ug/L
000149-57-5	Hexanoic acid, 2-ethyl-	3.50	J		9.15	ug/L
000119-61-9	Benzophenone	2.60	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	3.60	J		18.1	ug/L
1000349-73-7	Adipic acid, butyl 4-heptyl ester	28.2	J		19.5	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	800 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
BG064063.D	1	03/07/25 08:24	03/07/25 17:40	PB167027

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	850 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
BG064068.D	1	03/07/25 08:24	03/07/25 21:03	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.70	U	4.70	11.8	ug/L
108-95-2	Phenol	1.10	U	1.10	5.90	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.40	U	1.40	5.90	ug/L
95-57-8	2-Chlorophenol	0.84	U	0.84	5.90	ug/L
95-48-7	2-Methylphenol	1.30	U	1.30	5.90	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.60	U	1.60	5.90	ug/L
98-86-2	Acetophenone	1.30	U	1.30	5.90	ug/L
65794-96-9	3+4-Methylphenols	1.40	U	1.40	11.8	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.70	U	1.70	2.90	ug/L
67-72-1	Hexachloroethane	1.20	U	1.20	5.90	ug/L
98-95-3	Nitrobenzene	1.50	U	1.50	5.90	ug/L
78-59-1	Isophorone	1.30	U	1.30	5.90	ug/L
88-75-5	2-Nitrophenol	2.30	U	2.30	5.90	ug/L
105-67-9	2,4-Dimethylphenol	1.80	U	1.80	5.90	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.20	U	1.20	5.90	ug/L
120-83-2	2,4-Dichlorophenol	1.00	U	1.00	5.90	ug/L
91-20-3	Naphthalene	1.20	U	1.20	5.90	ug/L
106-47-8	4-Chloroaniline	1.50	UQ	1.50	5.90	ug/L
87-68-3	Hexachlorobutadiene	1.50	U	1.50	5.90	ug/L
105-60-2	Caprolactam	1.90	U	1.90	11.8	ug/L
59-50-7	4-Chloro-3-methylphenol	0.99	U	0.99	5.90	ug/L
91-57-6	2-Methylnaphthalene	1.30	U	1.30	5.90	ug/L
77-47-4	Hexachlorocyclopentadiene	5.90	U	5.90	11.8	ug/L
88-06-2	2,4,6-Trichlorophenol	1.00	U	1.00	5.90	ug/L
95-95-4	2,4,5-Trichlorophenol	1.20	U	1.20	5.90	ug/L
92-52-4	1,1-Biphenyl	1.10	U	1.10	5.90	ug/L
91-58-7	2-Chloronaphthalene	1.10	U	1.10	5.90	ug/L
88-74-4	2-Nitroaniline	1.70	U	1.70	5.90	ug/L
131-11-3	Dimethylphthalate	1.10	U	1.10	5.90	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	850 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
BG064068.D	1	03/07/25 08:24	03/07/25 21:03	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.20	U	1.20	5.90	ug/L
606-20-2	2,6-Dinitrotoluene	1.50	U	1.50	5.90	ug/L
99-09-2	3-Nitroaniline	1.60	UQ	1.60	5.90	ug/L
83-32-9	Acenaphthene	0.95	U	0.95	5.90	ug/L
51-28-5	2,4-Dinitrophenol	7.60	U	7.60	11.8	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	11.8	ug/L
132-64-9	Dibenzofuran	1.10	U	1.10	5.90	ug/L
121-14-2	2,4-Dinitrotoluene	1.80	U	1.80	5.90	ug/L
84-66-2	Diethylphthalate	1.20	U	1.20	5.90	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.20	U	1.20	5.90	ug/L
86-73-7	Fluorene	1.10	U	1.10	5.90	ug/L
100-01-6	4-Nitroaniline	2.40	U	2.40	5.90	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.60	U	3.60	11.8	ug/L
86-30-6	n-Nitrosodiphenylamine	1.00	U	1.00	5.90	ug/L
101-55-3	4-Bromophenyl-phenylether	1.10	U	1.10	5.90	ug/L
118-74-1	Hexachlorobenzene	1.30	U	1.30	5.90	ug/L
1912-24-9	Atrazine	1.50	UQ	1.50	5.90	ug/L
87-86-5	Pentachlorophenol	2.20	U	2.20	11.8	ug/L
85-01-8	Phenanthrene	1.00	U	1.00	5.90	ug/L
120-12-7	Anthracene	1.30	U	1.30	5.90	ug/L
86-74-8	Carbazole	1.40	U	1.40	5.90	ug/L
84-74-2	Di-n-butylphthalate	1.70	U	1.70	5.90	ug/L
206-44-0	Fluoranthene	1.50	U	1.50	5.90	ug/L
129-00-0	Pyrene	1.20	U	1.20	5.90	ug/L
85-68-7	Butylbenzylphthalate	2.50	U	2.50	5.90	ug/L
91-94-1	3,3-Dichlorobenzidine	1.50	UQ	1.50	11.8	ug/L
56-55-3	Benzo(a)anthracene	1.10	U	1.10	5.90	ug/L
218-01-9	Chrysene	1.00	U	1.00	5.90	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.20	U	2.20	5.90	ug/L
117-84-0	Di-n-octyl phthalate	2.90	U	2.90	11.8	ug/L
205-99-2	Benzo(b)fluoranthene	1.30	U	1.30	5.90	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	850 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
BG064068.D	1	03/07/25 08:24	03/07/25 21:03	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.40	U	1.40	5.90	ug/L
50-32-8	Benzo(a)pyrene	2.00	U	2.00	5.90	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.20	U	1.20	5.90	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.40	U	1.40	5.90	ug/L
191-24-2	Benzo(g,h,i)perylene	1.40	U	1.40	5.90	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.30	U	1.30	5.90	ug/L
123-91-1	1,4-Dioxane	1.50	U	1.50	5.90	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.93	U	0.93	5.90	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	34.1		15 (10) - 110 (139)	23%	SPK: 150
13127-88-3	Phenol-d6	23.9		15 (10) - 110 (134)	16%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.0		30 (49) - 130 (133)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.3		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	84.2		15 (44) - 110 (137)	56%	SPK: 150
1718-51-0	Terphenyl-d14	81.2		30 (48) - 130 (125)	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	34700	7.864			
1146-65-2	Naphthalene-d8	161000	10.649			
15067-26-2	Acenaphthene-d10	115000	14.486			
1517-22-2	Phenanthrene-d10	255000	17.23			
1719-03-5	Chrysene-d12	250000	21.46			
1520-96-3	Perylene-d12	270000	24.474			
TENTATIVE IDENTIFIED COMPOUNDS						
000624-92-0	Disulfide, dimethyl	4.20	J		3.81	ug/L
003658-80-8	Dimethyl trisulfide	3.00	J		7.20	ug/L
000119-61-9	Benzophenone	4.20	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	3.60	J		18.1	ug/L
000506-51-4	n-Tetracosanol-1	3.60	J		21.1	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	850 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
BG064068.D	1	03/07/25 08:24	03/07/25 21:03	PB167027

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:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	380 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
BG064064.D	1	03/07/25 08:24	03/07/25 18:21	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	5.30	U	5.30	13.2	ug/L
108-95-2	Phenol	1.20	U	1.20	6.60	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.60	U	1.60	6.60	ug/L
95-57-8	2-Chlorophenol	0.93	U	0.93	6.60	ug/L
95-48-7	2-Methylphenol	1.50	U	1.50	6.60	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.80	U	1.80	6.60	ug/L
98-86-2	Acetophenone	1.40	U	1.40	6.60	ug/L
65794-96-9	3+4-Methylphenols	1.50	U	1.50	13.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.90	U	1.90	3.30	ug/L
67-72-1	Hexachloroethane	1.30	U	1.30	6.60	ug/L
98-95-3	Nitrobenzene	1.70	U	1.70	6.60	ug/L
78-59-1	Isophorone	1.50	U	1.50	6.60	ug/L
88-75-5	2-Nitrophenol	2.60	U	2.60	6.60	ug/L
105-67-9	2,4-Dimethylphenol	2.00	U	2.00	6.60	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.30	U	1.30	6.60	ug/L
120-83-2	2,4-Dichlorophenol	1.20	U	1.20	6.60	ug/L
91-20-3	Naphthalene	1.30	U	1.30	6.60	ug/L
106-47-8	4-Chloroaniline	1.70	UQ	1.70	6.60	ug/L
87-68-3	Hexachlorobutadiene	1.70	U	1.70	6.60	ug/L
105-60-2	Caprolactam	2.20	U	2.20	13.2	ug/L
59-50-7	4-Chloro-3-methylphenol	1.10	U	1.10	6.60	ug/L
91-57-6	2-Methylnaphthalene	1.50	U	1.50	6.60	ug/L
77-47-4	Hexachlorocyclopentadiene	6.60	U	6.60	13.2	ug/L
88-06-2	2,4,6-Trichlorophenol	1.20	U	1.20	6.60	ug/L
95-95-4	2,4,5-Trichlorophenol	1.30	U	1.30	6.60	ug/L
92-52-4	1,1-Biphenyl	1.20	U	1.20	6.60	ug/L
91-58-7	2-Chloronaphthalene	1.30	U	1.30	6.60	ug/L
88-74-4	2-Nitroaniline	1.90	U	1.90	6.60	ug/L
131-11-3	Dimethylphthalate	1.20	U	1.20	6.60	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	380 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
BG064064.D	1	03/07/25 08:24	03/07/25 18:21	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.40	U	1.40	6.60	ug/L
606-20-2	2,6-Dinitrotoluene	1.60	U	1.60	6.60	ug/L
99-09-2	3-Nitroaniline	1.80	UQ	1.80	6.60	ug/L
83-32-9	Acenaphthene	1.10	U	1.10	6.60	ug/L
51-28-5	2,4-Dinitrophenol	8.40	U	8.40	13.2	ug/L
100-02-7	4-Nitrophenol	2.60	U	2.60	13.2	ug/L
132-64-9	Dibenzofuran	1.20	U	1.20	6.60	ug/L
121-14-2	2,4-Dinitrotoluene	2.00	U	2.00	6.60	ug/L
84-66-2	Diethylphthalate	1.40	U	1.40	6.60	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.30	U	1.30	6.60	ug/L
86-73-7	Fluorene	1.30	U	1.30	6.60	ug/L
100-01-6	4-Nitroaniline	2.70	U	2.70	6.60	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	4.00	U	4.00	13.2	ug/L
86-30-6	n-Nitrosodiphenylamine	1.20	U	1.20	6.60	ug/L
101-55-3	4-Bromophenyl-phenylether	1.30	U	1.30	6.60	ug/L
118-74-1	Hexachlorobenzene	1.50	U	1.50	6.60	ug/L
1912-24-9	Atrazine	1.70	UQ	1.70	6.60	ug/L
87-86-5	Pentachlorophenol	2.40	U	2.40	13.2	ug/L
85-01-8	Phenanthrene	1.20	U	1.20	6.60	ug/L
120-12-7	Anthracene	1.40	U	1.40	6.60	ug/L
86-74-8	Carbazole	1.50	U	1.50	6.60	ug/L
84-74-2	Di-n-butylphthalate	1.90	U	1.90	6.60	ug/L
206-44-0	Fluoranthene	1.70	U	1.70	6.60	ug/L
129-00-0	Pyrene	1.40	U	1.40	6.60	ug/L
85-68-7	Butylbenzylphthalate	2.80	U	2.80	6.60	ug/L
91-94-1	3,3-Dichlorobenzidine	1.70	UQ	1.70	13.2	ug/L
56-55-3	Benzo(a)anthracene	1.20	U	1.20	6.60	ug/L
218-01-9	Chrysene	1.10	U	1.10	6.60	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.50	U	2.50	6.60	ug/L
117-84-0	Di-n-octyl phthalate	3.30	U	3.30	13.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.50	U	1.50	6.60	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	380 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
BG064064.D	1	03/07/25 08:24	03/07/25 18:21	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.60	U	1.60	6.60	ug/L
50-32-8	Benzo(a)pyrene	2.20	U	2.20	6.60	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.30	U	1.30	6.60	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.50	U	1.50	6.60	ug/L
191-24-2	Benzo(g,h,i)perylene	1.60	U	1.60	6.60	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.40	U	1.40	6.60	ug/L
123-91-1	1,4-Dioxane	1.60	U	1.60	6.60	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.00	U	1.00	6.60	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	38.5		15 (10) - 110 (139)	51%	SPK: 75
13127-88-3	Phenol-d6	27.0		15 (10) - 110 (134)	36%	SPK: 75
4165-60-0	Nitrobenzene-d5	39.6		30 (49) - 130 (133)	79%	SPK: 50
321-60-8	2-Fluorobiphenyl	36.1		30 (52) - 130 (132)	72%	SPK: 50
118-79-6	2,4,6-Tribromophenol	63.0		15 (44) - 110 (137)	84%	SPK: 75
1718-51-0	Terphenyl-d14	39.8		30 (48) - 130 (125)	80%	SPK: 50
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	32900	7.864			
1146-65-2	Naphthalene-d8	142000	10.649			
15067-26-2	Acenaphthene-d10	101000	14.486			
1517-22-2	Phenanthrene-d10	241000	17.224			
1719-03-5	Chrysene-d12	268000	21.46			
1520-96-3	Perylene-d12	282000	24.474			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.20	A		4.99	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	380 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
BG064064.D	1	03/07/25 08:24	03/07/25 18:21	PB167027

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

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167027BL	PB167027BL	2-Fluorophenol	150	142	95		15 (10)	110 (139)
		Phenol-d6	150	136	90		15 (10)	110 (134)
		Nitrobenzene-d5	100	95.9	96		30 (49)	130 (133)
		2-Fluorobiphenyl	100	88.6	89		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	145	97		15 (44)	110 (137)
		Terphenyl-d14	100	92.7	93		30 (48)	130 (125)
PB167027BS	PB167027BS	2-Fluorophenol	150	140	93		15 (10)	110 (139)
		Phenol-d6	150	137	91		15 (10)	110 (134)
		Nitrobenzene-d5	100	94.3	94		30 (49)	130 (133)
		2-Fluorobiphenyl	100	86.1	86		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	148	99		15 (44)	110 (137)
		Terphenyl-d14	100	93.5	93		30 (48)	130 (125)
PB167027BSD	PB167027BSD	2-Fluorophenol	150	129	86		15 (10)	110 (139)
		Phenol-d6	150	126	84		15 (10)	110 (134)
		Nitrobenzene-d5	100	87.2	87		30 (49)	130 (133)
		2-Fluorobiphenyl	100	77.7	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	134	89		15 (44)	110 (137)
		Terphenyl-d14	100	86.3	86		30 (48)	130 (125)
Q1514-07	ENV-105-GW01	2-Fluorophenol	150	74.4	50		15 (10)	110 (139)
		Phenol-d6	150	49.1	33		15 (10)	110 (134)
		Nitrobenzene-d5	100	91.9	92		30 (49)	130 (133)
		2-Fluorobiphenyl	100	83.9	84		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	142	95		15 (44)	110 (137)
		Terphenyl-d14	100	84.8	85		30 (48)	130 (125)
Q1514-08	ENV-103-GW01	2-Fluorophenol	150	34.1	23		15 (10)	110 (139)
		Phenol-d6	150	23.9	16		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.0	90		30 (49)	130 (133)
		2-Fluorobiphenyl	100	80.3	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	84.2	56		15 (44)	110 (137)
		Terphenyl-d14	100	81.2	81		30 (48)	130 (125)
Q1514-09	FB03062025	2-Fluorophenol	75	38.5	51		15 (10)	110 (139)
		Phenol-d6	75	27.0	36		15 (10)	110 (134)
		Nitrobenzene-d5	50	39.6	79		30 (49)	130 (133)
		2-Fluorobiphenyl	50	36.1	72		30 (52)	130 (132)
		2,4,6-Tribromophenol	75	63.0	84		15 (44)	110 (137)
		Terphenyl-d14	50	39.8	80		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167031BL	PB167031BL	2-Fluorophenol	150	140	93		30 (18)	130 (112)
		Phenol-d6	150	134	89		30 (15)	130 (107)
		Nitrobenzene-d5	100	98.5	99		30 (18)	130 (107)
		2-Fluorobiphenyl	100	94.1	94		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	151	100		30 (10)	130 (116)
		Terphenyl-d14	100	100	100		30 (10)	130 (105)
PB167031BS	PB167031BS	2-Fluorophenol	150	132	88		30 (18)	130 (112)
		Phenol-d6	150	128	85		30 (15)	130 (107)
		Nitrobenzene-d5	100	87.2	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	83.6	84		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	140	94		30 (10)	130 (116)
		Terphenyl-d14	100	88.3	88		30 (10)	130 (105)
Q1514-01	ENV-105-SB01	2-Fluorophenol	150	82.8	55		30 (18)	130 (112)
		Phenol-d6	150	78.2	52		30 (15)	130 (107)
		Nitrobenzene-d5	100	55.9	56		30 (18)	130 (107)
		2-Fluorobiphenyl	100	58.6	59		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	66.9	45		30 (10)	130 (116)
		Terphenyl-d14	100	45.0	45		30 (10)	130 (105)
Q1514-03	ENV-105-SB02	2-Fluorophenol	150	106	71		30 (18)	130 (112)
		Phenol-d6	150	102	68		30 (15)	130 (107)
		Nitrobenzene-d5	100	69.0	69		30 (18)	130 (107)
		2-Fluorobiphenyl	100	66.0	66		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	118	79		30 (10)	130 (116)
		Terphenyl-d14	100	64.2	64		30 (10)	130 (105)
Q1514-03MS	ENV-105-SB02MS	2-Fluorophenol	150	96.0	64		30 (18)	130 (112)
		Phenol-d6	150	94.7	63		30 (15)	130 (107)
		Nitrobenzene-d5	100	61.1	61		30 (18)	130 (107)
		2-Fluorobiphenyl	100	56.8	57		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	99.5	66		30 (10)	130 (116)
		Terphenyl-d14	100	55.2	55		30 (10)	130 (105)
Q1514-03MSD	ENV-105-SB02MSD	2-Fluorophenol	150	91.3	61		30 (18)	130 (112)
		Phenol-d6	150	90.9	61		30 (15)	130 (107)
		Nitrobenzene-d5	100	62.5	63		30 (18)	130 (107)
		2-Fluorobiphenyl	100	56.4	56		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	102	68		30 (10)	130 (116)
		Terphenyl-d14	100	55.9	56		30 (10)	130 (105)
Q1514-05	ENV-103-SB01	2-Fluorophenol	150	85.2	57		30 (18)	130 (112)
		Phenol-d6	150	83.6	56		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.1	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	59.9	60		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	86.2	57		30 (10)	130 (116)
		Terphenyl-d14	100	55.7	56		30 (10)	130 (105)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

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: Q1514-03MS		**Client Sample ID: ENV-105-SB02MS**						**DataFile: BG064066.D**			
Benzaldehyde	2100	0	830	ug/Kg	40				20 (10)	160 (86)	
Phenol	2100	0	2000	ug/Kg	95				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	2100	0	1600	ug/Kg	76				70 (54)	130 (125)	
2-Chlorophenol	2100	0	1800	ug/Kg	86				70 (79)	130 (107)	
2-Methylphenol	2100	0	2000	ug/Kg	95				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	2100	0	1800	ug/Kg	86				70 (65)	130 (110)	
Acetophenone	2100	0	1800	ug/Kg	86				70 (75)	130 (111)	
3+4-Methylphenols	2100	0	1900	ug/Kg	90				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	2100	0	1700	ug/Kg	81				70 (59)	130 (119)	
Hexachloroethane	2100	0	1800	ug/Kg	86				20 (65)	160 (117)	
Nitrobenzene	2100	0	1800	ug/Kg	86				70 (70)	130 (119)	
Isophorone	2100	0	1800	ug/Kg	86				70 (76)	130 (122)	
2-Nitrophenol	2100	0	1900	ug/Kg	90				70 (54)	130 (145)	
2,4-Dimethylphenol	2100	0	2400	ug/Kg	114				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	2100	0	1700	ug/Kg	81				70 (68)	130 (112)	
2,4-Dichlorophenol	2100	0	1900	ug/Kg	90				70 (72)	130 (118)	
Naphthalene	2100	0	1700	ug/Kg	81				70 (72)	130 (110)	
4-Chloroaniline	2100	0	430	ug/Kg	20	*			70 (10)	130 (91)	
Hexachlorobutadiene	2100	0	1700	ug/Kg	81				70 (66)	130 (114)	
Caprolactam	2100	0	2000	ug/Kg	95				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2100	0	1900	ug/Kg	90				70 (57)	130 (132)	
2-Methylnaphthalene	2100	0	1600	ug/Kg	76				70 (59)	130 (123)	
Hexachlorocyclopentadiene	4100	0	6900	ug/Kg	168	*			20 (10)	160 (175)	
2,4,6-Trichlorophenol	2100	0	1900	ug/Kg	90				70 (72)	130 (117)	
2,4,5-Trichlorophenol	2100	0	1900	ug/Kg	90				70 (72)	130 (117)	
1,1-Biphenyl	2100	0	1900	ug/Kg	90				70 (75)	130 (113)	
2-Chloronaphthalene	2100	0	1700	ug/Kg	81				70 (67)	130 (118)	
2-Nitroaniline	2100	0	1800	ug/Kg	86				70 (69)	130 (127)	
Dimethylphthalate	2100	0	1700	ug/Kg	81				70 (70)	130 (113)	
Acenaphthylene	2100	0	1800	ug/Kg	86				70 (79)	130 (118)	
2,6-Dinitrotoluene	2100	0	1700	ug/Kg	81				70 (70)	130 (125)	
3-Nitroaniline	2100	0	780	ug/Kg	37	*			70 (30)	130 (99)	
Acenaphthene	2100	0	1700	ug/Kg	81				70 (70)	130 (121)	
2,4-Dinitrophenol	4100	0	3800	ug/Kg	93				20 (10)	160 (155)	
4-Nitrophenol	4100	0	4200	ug/Kg	102				20 (45)	160 (133)	
Dibenzofuran	2100	0	1600	ug/Kg	76				70 (72)	130 (110)	
2,4-Dinitrotoluene	2100	0	1800	ug/Kg	86				70 (55)	130 (128)	
Diethylphthalate	2100	0	1700	ug/Kg	81				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	2100	0	1700	ug/Kg	81				70 (71)	130 (108)	
Fluorene	2100	0	1700	ug/Kg	81				70 (68)	130 (116)	
4-Nitroaniline	2100	0	1800	ug/Kg	86				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	2100	0	1900	ug/Kg	90				70 (10)	130 (160)	
N-Nitrosodiphenylamine	2100	0	1800	ug/Kg	86				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2100	0	1800	ug/Kg	86				70 (65)	130 (121)	
Hexachlorobenzene	2100	0	1700	ug/Kg	81				70 (67)	130 (118)	
Atrazine	2100	0	2600	ug/Kg	124				70 (79)	130 (127)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

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	4100	0	3800	ug/Kg	93				20 (47)	160 (128)	
Phenanthrene	2100	0	1800	ug/Kg	86				70 (52)	130 (128)	
Anthracene	2100	0	1800	ug/Kg	86				70 (62)	130 (124)	
Carbazole	2100	0	1700	ug/Kg	81				70 (59)	130 (119)	
Di-n-butylphthalate	2100	0	1800	ug/Kg	86				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	1900	ug/Kg	90				70 (64)	130 (126)	
3,3-Dichlorobenzidine	2100	0	820	ug/Kg	39	*			70 (33)	130 (116)	
Benzo(a)anthracene	2100	0	1800	ug/Kg	86				70 (71)	130 (114)	
Chrysene	2100	0	1700	ug/Kg	81				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2100	0	2000	ug/Kg	95				70 (42)	130 (169)	
Di-n-octyl phthalate	2100	0	2000	ug/Kg	95				70 (23)	130 (175)	
Benzo(b)fluoranthene	2100	0	1700	ug/Kg	81				70 (67)	130 (121)	
Benzo(k)fluoranthene	2100	0	1700	ug/Kg	81				70 (57)	130 (134)	
Benzo(a)pyrene	2100	0	1800	ug/Kg	86				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2100	0	1800	ug/Kg	86				70 (40)	130 (129)	
Dibenz(a,h)anthracene	2100	0	1800	ug/Kg	86				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	1800	ug/Kg	86				70 (69)	130 (124)	
1,4-Dioxane	2100	0	1700	ug/Kg	81				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2100	0	1900	ug/Kg	90				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

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: Q1514-03MSD		**Client Sample ID: ENV-105-SB02MSD**						**DataFile: BG064067.D**			
Benzaldehyde	2100	0	830	ug/Kg	40		0		20 (10)	160 (86)	30 (20)
Phenol	2100	0	1900	ug/Kg	90		5		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	2100	0	1600	ug/Kg	76		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	2100	0	1800	ug/Kg	86		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	2100	0	1900	ug/Kg	90		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	2100	0	1700	ug/Kg	81		6		70 (65)	130 (110)	30 (20)
Acetophenone	2100	0	1800	ug/Kg	86		0		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	2100	0	1900	ug/Kg	90		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	2100	0	1700	ug/Kg	81		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	2100	0	1800	ug/Kg	86		0		20 (65)	160 (117)	30 (20)
Nitrobenzene	2100	0	1800	ug/Kg	86		0		70 (70)	130 (119)	30 (20)
Isophorone	2100	0	1800	ug/Kg	86		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	2100	0	2000	ug/Kg	95		5		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	2100	0	2400	ug/Kg	114		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	2100	0	1700	ug/Kg	81		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	2100	0	2000	ug/Kg	95		5		70 (72)	130 (118)	30 (20)
Naphthalene	2100	0	1700	ug/Kg	81		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	2100	0	480	ug/Kg	23	*	14		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	2100	0	1700	ug/Kg	81		0		70 (66)	130 (114)	30 (20)
Caprolactam	2100	0	2100	ug/Kg	100		5		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2100	0	1900	ug/Kg	90		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2100	0	1700	ug/Kg	81		6		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	4100	0	6600	ug/Kg	161	*	4		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2100	0	2000	ug/Kg	95		5		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	2100	0	1900	ug/Kg	90		0		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	2100	0	1800	ug/Kg	86		5		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	2100	0	1700	ug/Kg	81		0		70 (67)	130 (118)	30 (20)
2-Nitroaniline	2100	0	1900	ug/Kg	90		5		70 (69)	130 (127)	30 (20)
Dimethylphthalate	2100	0	1700	ug/Kg	81		0		70 (70)	130 (113)	30 (20)
Acenaphthylene	2100	0	1800	ug/Kg	86		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	2100	0	1700	ug/Kg	81		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	2100	0	850	ug/Kg	40	*	8		70 (30)	130 (99)	30 (20)
Acenaphthene	2100	0	1700	ug/Kg	81		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	4100	0	4100	ug/Kg	100		7		20 (10)	160 (155)	30 (20)
4-Nitrophenol	4100	0	4200	ug/Kg	102		0		20 (45)	160 (133)	30 (20)
Dibenzofuran	2100	0	1600	ug/Kg	76		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	2100	0	1900	ug/Kg	90		5		70 (55)	130 (128)	30 (20)
Diethylphthalate	2100	0	1700	ug/Kg	81		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	2100	0	1700	ug/Kg	81		0		70 (71)	130 (108)	30 (20)
Fluorene	2100	0	1700	ug/Kg	81		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	2100	0	1800	ug/Kg	86		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	2100	0	1900	ug/Kg	90		0		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	2100	0	1800	ug/Kg	86		0		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2100	0	1800	ug/Kg	86		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2100	0	1700	ug/Kg	81		0		70 (67)	130 (118)	30 (20)
Atrazine	2100	0	2600	ug/Kg	124		0		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

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	4100	0	3800	ug/Kg	93		0		20 (47)	160 (128)	30 (20)
Phenanthrene	2100	0	1800	ug/Kg	86		0		70 (52)	130 (128)	30 (20)
Anthracene	2100	0	1800	ug/Kg	86		0		70 (62)	130 (124)	30 (20)
Carbazole	2100	0	1700	ug/Kg	81		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2100	0	1800	ug/Kg	86		0		70 (69)	130 (118)	30 (20)
Fluoranthene	2100	0	1700	ug/Kg	81		0		70 (44)	130 (125)	30 (20)
Pyrene	2100	0	1800	ug/Kg	86		6		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	2100	0	1900	ug/Kg	90		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	2100	0	830	ug/Kg	40	*	3		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	2100	0	1800	ug/Kg	86		0		70 (71)	130 (114)	30 (20)
Chrysene	2100	0	1700	ug/Kg	81		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2100	0	2000	ug/Kg	95		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	2100	0	2000	ug/Kg	95		0		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	2100	0	1700	ug/Kg	81		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	2100	0	1700	ug/Kg	81		0		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2100	0	1800	ug/Kg	86		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2100	0	1800	ug/Kg	86		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2100	0	1800	ug/Kg	86		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2100	0	1700	ug/Kg	81		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	2100	0	1800	ug/Kg	86		0		70 (69)	130 (124)	30 (20)
1,4-Dioxane	2100	0	1700	ug/Kg	81		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2100	0	1900	ug/Kg	90		0		70 (69)	130 (112)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064058.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167031BS	Benzaldehyde	1700	660	ug/Kg	39				20 (10)	160 (133)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				70 (60)	130 (101)	
	2-Chlorophenol	1700	1400	ug/Kg	82				70 (65)	130 (112)	
	2-Methylphenol	1700	1500	ug/Kg	88				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				70 (51)	130 (100)	
	Acetophenone	1700	1400	ug/Kg	82				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1500	ug/Kg	88				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				70 (63)	130 (95)	
	Hexachloroethane	1700	1300	ug/Kg	76				20 (72)	160 (108)	
	Nitrobenzene	1700	1400	ug/Kg	82				70 (57)	130 (101)	
	Isophorone	1700	1400	ug/Kg	82				70 (59)	130 (99)	
	2-Nitrophenol	1700	1400	ug/Kg	82				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				70 (62)	130 (107)	
	Naphthalene	1700	1300	ug/Kg	76				70 (62)	130 (100)	
	4-Chloroaniline	1700	660	ug/Kg	39		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				70 (53)	130 (98)	
	Caprolactam	1700	1600	ug/Kg	94				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1200	ug/Kg	71				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	4800	ug/Kg	145				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (58)	130 (99)	
	2-Nitroaniline	1700	1400	ug/Kg	82				70 (66)	130 (101)	
	Dimethylphthalate	1700	1400	ug/Kg	82				70 (61)	130 (99)	
	Acenaphthylene	1700	1400	ug/Kg	82				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				70 (61)	130 (104)	
	3-Nitroaniline	1700	870	ug/Kg	51		*		70 (28)	130 (100)	
	Acenaphthene	1700	1300	ug/Kg	76				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				20 (37)	160 (128)	
	4-Nitrophenol	3300	3200	ug/Kg	97				20 (48)	160 (119)	
	Dibenzofuran	1700	1300	ug/Kg	76				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				70 (60)	130 (106)	
	Diethylphthalate	1700	1300	ug/Kg	76				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				70 (58)	130 (98)	
	Fluorene	1700	1300	ug/Kg	76				70 (61)	130 (101)	
	4-Nitroaniline	1700	1500	ug/Kg	88				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064058.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167031BS	Hexachlorobenzene	1700	1400	ug/Kg	82				70 (64)	130 (98)	
	Atrazine	1700	2100	ug/Kg	124				70 (47)	130 (152)	
	Pentachlorophenol	3300	2800	ug/Kg	85				20 (67)	160 (105)	
	Phenanthrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Anthracene	1700	1400	ug/Kg	82				70 (61)	130 (105)	
	Carbazole	1700	1400	ug/Kg	82				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				70 (58)	130 (104)	
	Fluoranthene	1700	1300	ug/Kg	76				70 (57)	130 (107)	
	Pyrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1400	ug/Kg	82				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	900	ug/Kg	53		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				70 (60)	130 (102)	
	Chrysene	1700	1300	ug/Kg	76				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1300	ug/Kg	76				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1300	ug/Kg	76				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1400	ug/Kg	82				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				70 (59)	130 (108)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064060.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167027BS	Benzaldehyde	50	21.0	ug/L	42				20 (10)	160 (162)	
	Phenol	50	45.7	ug/L	91				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	39.5	ug/L	79				70 (62)	130 (103)	
	2-Chlorophenol	50	44.0	ug/L	88				70 (70)	130 (117)	
	2-Methylphenol	50	47.8	ug/L	96				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	42.8	ug/L	86				70 (65)	130 (100)	
	Acetophenone	50	45.7	ug/L	91				70 (60)	130 (104)	
	3+4-Methylphenols	50	47.7	ug/L	95				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	42.6	ug/L	85				70 (57)	130 (107)	
	Hexachloroethane	50	42.0	ug/L	84				20 (76)	160 (118)	
	Nitrobenzene	50	44.1	ug/L	88				70 (58)	130 (106)	
	Isophorone	50	43.7	ug/L	87				70 (61)	130 (102)	
	2-Nitrophenol	50	43.6	ug/L	87				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	60.0	ug/L	120				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	41.7	ug/L	83				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	48.1	ug/L	96				70 (66)	130 (115)	
	Naphthalene	50	41.1	ug/L	82				70 (64)	130 (107)	
	4-Chloroaniline	50	18.1	ug/L	36		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	42.4	ug/L	85				70 (69)	130 (101)	
	Caprolactam	50	51.9	ug/L	104				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	46.4	ug/L	93				70 (65)	130 (114)	
	2-Methylnaphthalene	50	40.9	ug/L	82				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	160	ug/L	160				20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	47.8	ug/L	96				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	48.4	ug/L	97				70 (70)	130 (106)	
	1,1-Biphenyl	50	45.3	ug/L	91				70 (72)	130 (98)	
	2-Chloronaphthalene	50	41.9	ug/L	84				70 (59)	130 (106)	
	2-Nitroaniline	50	44.1	ug/L	88				70 (73)	130 (114)	
	Dimethylphthalate	50	42.0	ug/L	84				70 (64)	130 (103)	
	Acenaphthylene	50	44.4	ug/L	89				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	42.8	ug/L	86				70 (64)	130 (110)	
	3-Nitroaniline	50	25.6	ug/L	51		*		70 (28)	130 (100)	
	Acenaphthene	50	42.0	ug/L	84				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	88.1	ug/L	88				20 (36)	160 (166)	
	4-Nitrophenol	100	99.9	ug/L	100				20 (45)	160 (147)	
	Dibenzofuran	50	40.0	ug/L	80				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	45.0	ug/L	90				70 (60)	130 (115)	
	Diethylphthalate	50	42.1	ug/L	84				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	41.4	ug/L	83				70 (61)	130 (104)	
	Fluorene	50	41.7	ug/L	83				70 (64)	130 (107)	
	4-Nitroaniline	50	44.8	ug/L	90				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	44.5	ug/L	89				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	43.6	ug/L	87				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	43.7	ug/L	87				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064060.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167027BS	Hexachlorobenzene	50	42.9	ug/L	86				70 (73)	130 (106)	
	Atrazine	50	65.3	ug/L	131		*		70 (76)	130 (120)	
	Pentachlorophenol	100	91.6	ug/L	92				20 (47)	160 (114)	
	Phenanthrene	50	43.2	ug/L	86				70 (62)	130 (109)	
	Anthracene	50	44.6	ug/L	89				70 (65)	130 (110)	
	Carbazole	50	42.6	ug/L	85				70 (62)	130 (106)	
	Di-n-butylphthalate	50	44.0	ug/L	88				70 (64)	130 (106)	
	Fluoranthene	50	41.4	ug/L	83				70 (64)	130 (110)	
	Pyrene	50	43.6	ug/L	87				70 (71)	130 (103)	
	Butylbenzylphthalate	50	44.8	ug/L	90				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	28.9	ug/L	58		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	44.6	ug/L	89				70 (62)	130 (107)	
	Chrysene	50	43.2	ug/L	86				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	48.2	ug/L	96				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	47.6	ug/L	95				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	42.4	ug/L	85				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	43.2	ug/L	86				70 (77)	130 (105)	
	Benzo(a)pyrene	50	45.7	ug/L	91				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	45.3	ug/L	91				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	44.6	ug/L	89				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	41.6	ug/L	83				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	44.5	ug/L	89				70 (72)	130 (101)	
	1,4-Dioxane	50	38.2	ug/L	76				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	46.9	ug/L	94				70 (63)	130 (116)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064061.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167027BSD	Benzaldehyde	50	19.9	ug/L	40	5			20 (10)	160 (162)	20 (20)
	Phenol	50	42.3	ug/L	85	8			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	38.5	ug/L	77	3			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	40.4	ug/L	81	9			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	43.9	ug/L	88	9			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	39.3	ug/L	79	9			70 (65)	130 (100)	20 (20)
	Acetophenone	50	41.5	ug/L	83	10			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	43.2	ug/L	86	10			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	39.9	ug/L	80	7			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	40.6	ug/L	81	3			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	40.7	ug/L	81	8			70 (58)	130 (106)	20 (20)
	Isophorone	50	39.3	ug/L	79	11			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	42.1	ug/L	84	4			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	53.9	ug/L	108	11			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	38.7	ug/L	77	7			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	43.5	ug/L	87	10			70 (66)	130 (115)	20 (20)
	Naphthalene	50	37.0	ug/L	74	10			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	17.5	ug/L	35	3	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	38.7	ug/L	77	9			70 (69)	130 (101)	20 (20)
	Caprolactam	50	46.6	ug/L	93	11			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	41.9	ug/L	84	10			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	37.4	ug/L	75	9			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	140	ug/L	140	13			20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	41.2	ug/L	82	15			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	42.6	ug/L	85	13			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	40.4	ug/L	81	11			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	37.2	ug/L	74	12			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	42.6	ug/L	85	3			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	38.1	ug/L	76	10			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	39.7	ug/L	79	11			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	38.7	ug/L	77	10			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	22.7	ug/L	45	12	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	37.1	ug/L	74	12			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	86.0	ug/L	86	2			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	90.4	ug/L	90	10			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	35.9	ug/L	72	11			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	41.3	ug/L	83	9			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	37.5	ug/L	75	12			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	36.9	ug/L	74	11			70 (61)	130 (104)	20 (20)
	Fluorene	50	37.6	ug/L	75	10			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	39.1	ug/L	78	14			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	42.1	ug/L	84	6			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	40.7	ug/L	81	7			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	40.4	ug/L	81	8			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064061.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167027BSD	Hexachlorobenzene	50	40.5	ug/L	81	6			70 (73)	130 (106)	20 (20)
	Atrazine	50	60.5	ug/L	121	8			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	83.0	ug/L	83	10			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	40.1	ug/L	80	7			70 (62)	130 (109)	20 (20)
	Anthracene	50	41.1	ug/L	82	8			70 (65)	130 (110)	20 (20)
	Carbazole	50	40.2	ug/L	80	6			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	41.2	ug/L	82	7			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	38.6	ug/L	77	7			70 (64)	130 (110)	20 (20)
	Pyrene	50	39.7	ug/L	79	9			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	41.5	ug/L	83	8			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	26.6	ug/L	53	8	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	40.2	ug/L	80	10			70 (62)	130 (107)	20 (20)
	Chrysene	50	39.0	ug/L	78	10			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	44.0	ug/L	88	9			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	43.4	ug/L	87	9			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	39.1	ug/L	78	8			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	39.6	ug/L	79	9			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	41.6	ug/L	83	9			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	42.1	ug/L	84	7			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	42.1	ug/L	84	6			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	38.2	ug/L	76	9			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	39.4	ug/L	79	12			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	35.1	ug/L	70	8			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	42.6	ug/L	85	10			70 (63)	130 (116)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167027BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064059.D Lab Sample ID: PB167027BL

Instrument ID: BNA_G Date Extracted: 03/07/2025

Matrix: (soil/water) Water Date Analyzed: 03/07/2025

Level: (low/med) LOW Time Analyzed: 14:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167027BS	PB167027BS	BG064060.D	03/07/2025
PB167027BSD	PB167027BSD	BG064061.D	03/07/2025
ENV-105-GW01	Q1514-07	BG064063.D	03/07/2025
FB03062025	Q1514-09	BG064064.D	03/07/2025
ENV-103-GW01	Q1514-08	BG064068.D	03/07/2025

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167031BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064057.D Lab Sample ID: PB167031BL

Instrument ID: BNA_G Date Extracted: 03/07/2025

Matrix: (soil/water) SOIL Date Analyzed: 03/07/2025

Level: (low/med) LOW Time Analyzed: 13:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ENV-105-SB01	Q1514-01	BF141918.D	03/11/2025
ENV-103-SB01	Q1514-05	BF141915.D	03/11/2025
ENV-105-SB02	Q1514-03	BG064065.D	03/07/2025
ENV-105-SB02MS	Q1514-03MS	BG064066.D	03/07/2025
ENV-105-SB02MSD	Q1514-03MSD	BG064067.D	03/07/2025
PB167031BS	PB167031BS	BG064058.D	03/07/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BF141896.D DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.1
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	32.0
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	31.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	19.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141897.D	03/10/2025	11:01
SSTDICC005	SSTDICC005	BF141898.D	03/10/2025	11:30
SSTDICC010	SSTDICC010	BF141899.D	03/10/2025	12:00
SSTDICC020	SSTDICC020	BF141900.D	03/10/2025	12:29
SSTDICCC040	SSTDICCC040	BF141901.D	03/10/2025	12:58
SSTDICC060	SSTDICC060	BF141903.D	03/10/2025	13:57
SSTDICC080	SSTDICC080	BF141904.D	03/10/2025	14:27
SSTDICC050	SSTDICC050	BF141905.D	03/10/2025	15:20

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BF141909.D DFTPP Injection Date: 03/11/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.5
68	Less than 2.0% of mass 69	0.5 (2) 1
69	Mass 69 relative abundance	31.0
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	31.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	20.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141910.D	03/11/2025	11:51
ENV-103-SB01	Q1514-05	BF141915.D	03/11/2025	14:26
ENV-105-SB01	Q1514-01	BF141918.D	03/11/2025	16:12

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064044.D DFTPP Injection Date: 03/05/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	55.3
68	Less than 2.0% of mass 69	0.4 (1.1) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	17.2 (20.2) 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	BG064045.D	03/05/2025	09:02
SSTDICC005	SSTDICC005	BG064046.D	03/05/2025	09:42
SSTDICC010	SSTDICC010	BG064047.D	03/05/2025	10:22
SSTDICC020	SSTDICC020	BG064048.D	03/05/2025	11:03
SSTDICCC040	SSTDICCC040	BG064049.D	03/05/2025	11:43
SSTDICC050	SSTDICC050	BG064050.D	03/05/2025	12:23
SSTDICC060	SSTDICC060	BG064051.D	03/05/2025	13:04
SSTDICC080	SSTDICC080	BG064052.D	03/05/2025	13:44

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064055.D DFTPP Injection Date: 03/07/2025

Instrument ID: BNA_G DFTPP Injection Time: 12:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	54.4
68	Less than 2.0% of mass 69	0.2 (0.4) 1
69	Mass 69 relative abundance	37.9
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	46.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100.0
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	BG064056.D	03/07/2025	12:56
PB167031BL	PB167031BL	BG064057.D	03/07/2025	13:37
PB167031BS	PB167031BS	BG064058.D	03/07/2025	14:18
PB167027BL	PB167027BL	BG064059.D	03/07/2025	14:58
PB167027BS	PB167027BS	BG064060.D	03/07/2025	15:39
PB167027BSD	PB167027BSD	BG064061.D	03/07/2025	16:19
ENV-105-GW01	Q1514-07	BG064063.D	03/07/2025	17:40
FB03062025	Q1514-09	BG064064.D	03/07/2025	18:21
ENV-105-SB02	Q1514-03	BG064065.D	03/07/2025	19:01
ENV-105-SB02MS	Q1514-03MS	BG064066.D	03/07/2025	19:42
ENV-105-SB02MSD	Q1514-03MSD	BG064067.D	03/07/2025	20:22
ENV-103-GW01	Q1514-08	BG064068.D	03/07/2025	21:03

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/11/2025

Lab File ID: BF141910.D Time Analyzed: 11:51

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	212930	6.881	840081	8.16	479107	9.92
	UPPER LIMIT	425860	7.381	1680160	8.663	958214	10.416
	LOWER LIMIT	106465	6.381	420041	7.663	239554	9.416
	EPA SAMPLE NO.						
01	ENV-103-SB01	153238	6.88	609925	8.16	347323	9.91
02	ENV-105-SB01	150957	6.88	586367	8.16	300301	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.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/11/2025

Lab File ID: BF141910.D Time Analyzed: 11:51

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	819898	11.404	519479	14.039	442953	15.509
	UPPER LIMIT	1639800	11.904	1038960	14.539	885906	16.009
	LOWER LIMIT	409949	10.904	259740	13.539	221477	15.009
	EPA SAMPLE NO.						
01	ENV-103-SB01	611592	11.40	452771	14.03	421172	15.50
02	ENV-105-SB01	431301	11.40	338343	14.04	250489	15.52

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BG064056.D Time Analyzed: 12:56

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	31620	7.866	134638	10.65	94280	14.49
	UPPER LIMIT	63240	8.366	269276	11.151	188560	14.988
	LOWER LIMIT	15810	7.366	67319	10.151	47140	13.988
	EPA SAMPLE NO.						
01	PB167031BL	29333	7.86	120699	10.65	87279	14.49
02	PB167031BS	37350	7.86	167596	10.66	115306	14.49
03	PB167027BL	31906	7.87	141288	10.65	97981	14.49
04	PB167027BS	34687	7.86	155641	10.66	112589	14.49
05	PB167027BSD	35231	7.86	161506	10.66	117614	14.49
06	ENV-105-SB02	32518	7.86	142122	10.65	99745	14.48
07	ENV-105-SB02MS	33566	7.87	156638	10.65	110984	14.49
08	ENV-105-SB02MSD	34411	7.86	153312	10.65	112515	14.49
09	ENV-105-GW01	37672	7.86	163817	10.65	111944	14.48
10	ENV-103-GW01	34746	7.86	161327	10.65	115460	14.49
11	FB03062025	32854	7.86	141929	10.65	100513	14.49

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.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BG064056.D Time Analyzed: 12:56

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	212553	17.231	237923	21.462	252082	24.482
	UPPER LIMIT	425106	17.731	475846	21.962	504164	24.982
	LOWER LIMIT	106277	16.731	118962	20.962	126041	23.982
	EPA SAMPLE NO.						
01	PB167031BL	222662	17.23	230159	21.46	246932	24.48
02	PB167031BS	265788	17.23	268408	21.47	290005	24.48
03	PB167027BL	246502	17.23	261251	21.46	265918	24.48
04	PB167027BS	253745	17.23	254292	21.47	275837	24.48
05	PB167027BSD	256688	17.23	264113	21.47	280712	24.48
06	ENV-105-SB02	240718	17.23	246568	21.46	266034	24.48
07	ENV-105-SB02MS	250922	17.23	258735	21.46	281256	24.48
08	ENV-105-SB02MSD	255500	17.23	257819	21.47	278096	24.48
09	ENV-105-GW01	252643	17.23	258476	21.46	269422	24.48
10	ENV-103-GW01	254589	17.23	250403	21.46	270468	24.47
11	FB03062025	241431	17.22	267874	21.46	281608	24.47

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 2025	Date Received:	
Client Sample ID:	PB167027BL	SDG No.:	Q1514
Lab Sample ID:	PB167027BL	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
BG064059.D	1	03/07/25 08:24	03/07/25 14:58	PB167027

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 2025	Date Received:	
Client Sample ID:	PB167027BL	SDG No.:	Q1514
Lab Sample ID:	PB167027BL	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
BG064059.D	1	03/07/25 08:24	03/07/25 14:58	PB167027

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 2025	Date Received:	
Client Sample ID:	PB167027BL	SDG No.:	Q1514
Lab Sample ID:	PB167027BL	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
BG064059.D	1	03/07/25 08:24	03/07/25 14:58	PB167027

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	142		15 (10) - 110 (139)	95%	SPK: 150
13127-88-3	Phenol-d6	136		15 (10) - 110 (134)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.9		30 (49) - 130 (133)	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.6		30 (52) - 130 (132)	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		15 (44) - 110 (137)	97%	SPK: 150
1718-51-0	Terphenyl-d14	92.7		30 (48) - 130 (125)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	31900	7.867			
1146-65-2	Naphthalene-d8	141000	10.652			
15067-26-2	Acenaphthene-d10	98000	14.488			
1517-22-2	Phenanthrene-d10	247000	17.226			
1719-03-5	Chrysene-d12	261000	21.457			
1520-96-3	Perylene-d12	266000	24.477			

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167031BL	SDG No.:	Q1514
Lab Sample ID:	PB167031BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064057.D	1	03/07/25 08:55	03/07/25 13:37	PB167031

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167031BL	SDG No.:	Q1514
Lab Sample ID:	PB167031BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064057.D	1	03/07/25 08:55	03/07/25 13:37	PB167031

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 2025	Date Received:	
Client Sample ID:	PB167031BL	SDG No.:	Q1514
Lab Sample ID:	PB167031BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064057.D	1	03/07/25 08:55	03/07/25 13:37	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	140		30 (18) - 130 (112)	93%	SPK: 150
13127-88-3	Phenol-d6	134		30 (15) - 130 (107)	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.5		30 (18) - 130 (107)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.1		30 (20) - 130 (109)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		30 (10) - 130 (116)	100%	SPK: 150
1718-51-0	Terphenyl-d14	100		30 (10) - 130 (105)	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	29300	7.861			
1146-65-2	Naphthalene-d8	121000	10.651			
15067-26-2	Acenaphthene-d10	87300	14.488			
1517-22-2	Phenanthrene-d10	223000	17.226			
1719-03-5	Chrysene-d12	230000	21.462			
1520-96-3	Perylene-d12	247000	24.476			

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BS	SDG No.:	Q1514
Lab Sample ID:	PB167027BS	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
BG064060.D	1	03/07/25 08:24	03/07/25 15:39	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	21.0		4.00	10.0	ug/L
108-95-2	Phenol	45.7		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	39.5		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	44.0		0.71	5.00	ug/L
95-48-7	2-Methylphenol	47.8		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.8		1.40	5.00	ug/L
98-86-2	Acetophenone	45.7		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.7		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.6		1.50	2.50	ug/L
67-72-1	Hexachloroethane	42.0		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.1		1.30	5.00	ug/L
78-59-1	Isophorone	43.7		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	43.6		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	60.0		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.7		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	48.1		0.88	5.00	ug/L
91-20-3	Naphthalene	41.1		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	18.1		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	42.4		1.30	5.00	ug/L
105-60-2	Caprolactam	51.9		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	46.4		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	40.9		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	160	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	47.8		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.4		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	45.3		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.9		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	44.1		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	42.0		0.93	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BS	SDG No.:	Q1514
Lab Sample ID:	PB167027BS	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
BG064060.D	1	03/07/25 08:24	03/07/25 15:39	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	44.4		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	42.8		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	25.6		1.40	5.00	ug/L
83-32-9	Acenaphthene	42.0		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	88.1	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	99.9	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	40.0		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.0		1.50	5.00	ug/L
84-66-2	Diethylphthalate	42.1		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.4		0.98	5.00	ug/L
86-73-7	Fluorene	41.7		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	44.8		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.5		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.6		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	43.7		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	42.9		1.10	5.00	ug/L
1912-24-9	Atrazine	65.3		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	91.6	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	43.2		0.89	5.00	ug/L
120-12-7	Anthracene	44.6		1.10	5.00	ug/L
86-74-8	Carbazole	42.6		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	44.0		1.50	5.00	ug/L
206-44-0	Fluoranthene	41.4		1.30	5.00	ug/L
129-00-0	Pyrene	43.6		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	44.8		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	28.9		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.6		0.94	5.00	ug/L
218-01-9	Chrysene	43.2		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.2		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	47.6		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	42.4		1.10	5.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BS	SDG No.:	Q1514
Lab Sample ID:	PB167027BS	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
BG064060.D	1	03/07/25 08:24	03/07/25 15:39	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	43.2		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	45.7		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.3		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	44.6		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	41.6		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.5		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	38.2		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.9		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	140		15 (10) - 110 (139)	93%	SPK: 150
13127-88-3	Phenol-d6	137		15 (10) - 110 (134)	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.3		30 (49) - 130 (133)	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.1		30 (52) - 130 (132)	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	148		15 (44) - 110 (137)	99%	SPK: 150
1718-51-0	Terphenyl-d14	93.5		30 (48) - 130 (125)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	34700	7.864			
1146-65-2	Naphthalene-d8	156000	10.655			
15067-26-2	Acenaphthene-d10	113000	14.492			
1517-22-2	Phenanthrene-d10	254000	17.23			
1719-03-5	Chrysene-d12	254000	21.466			
1520-96-3	Perylene-d12	276000	24.48			

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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A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167031BS	SDG No.:	Q1514
Lab Sample ID:	PB167031BS	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
BG064058.D	1	03/07/25 08:55	03/07/25 14:18	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	660		180	330	ug/Kg
108-95-2	Phenol	1400		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1400		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1500		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		90.9	170	ug/Kg
98-86-2	Acetophenone	1400		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1300		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	170	ug/Kg
78-59-1	Isophorone	1400		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1400		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.5	170	ug/Kg
91-20-3	Naphthalene	1300		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	660		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.3	170	ug/Kg
105-60-2	Caprolactam	1600		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1200		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4800	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1400		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.7	170	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167031BS	SDG No.:	Q1514
Lab Sample ID:	PB167031BS	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
BG064058.D	1	03/07/25 08:55	03/07/25 14:18	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1400		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	870		89.2	170	ug/Kg
83-32-9	Acenaphthene	1300		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1300		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1300		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		85.6	170	ug/Kg
86-73-7	Fluorene	1300		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		85.0	170	ug/Kg
1912-24-9	Atrazine	2100		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	2800	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1400		84.0	170	ug/Kg
120-12-7	Anthracene	1400		84.4	170	ug/Kg
86-74-8	Carbazole	1400		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		84.3	170	ug/Kg
206-44-0	Fluoranthene	1300		81.7	170	ug/Kg
129-00-0	Pyrene	1400		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	900		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.7	170	ug/Kg
218-01-9	Chrysene	1300		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		81.1	170	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167031BS	SDG No.:	Q1514
Lab Sample ID:	PB167031BS	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
BG064058.D	1	03/07/25 08:55	03/07/25 14:18	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1300		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		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	1300		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	132		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	128		30 (15) - 130 (107)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.2		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.6		30 (20) - 130 (109)	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		30 (10) - 130 (116)	94%	SPK: 150
1718-51-0	Terphenyl-d14	88.3		30 (10) - 130 (105)	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	37400	7.864			
1146-65-2	Naphthalene-d8	168000	10.655			
15067-26-2	Acenaphthene-d10	115000	14.492			
1517-22-2	Phenanthrene-d10	266000	17.23			
1719-03-5	Chrysene-d12	268000	21.466			
1520-96-3	Perylene-d12	290000	24.48			

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 2025	Date Received:	
Client Sample ID:	PB167027BSD	SDG No.:	Q1514
Lab Sample ID:	PB167027BSD	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
BG064061.D	1	03/07/25 08:24	03/07/25 16:19	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	19.9		4.00	10.0	ug/L
108-95-2	Phenol	42.3		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	38.5		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	40.4		0.71	5.00	ug/L
95-48-7	2-Methylphenol	43.9		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.3		1.40	5.00	ug/L
98-86-2	Acetophenone	41.5		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	43.2		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.9		1.50	2.50	ug/L
67-72-1	Hexachloroethane	40.6		1.00	5.00	ug/L
98-95-3	Nitrobenzene	40.7		1.30	5.00	ug/L
78-59-1	Isophorone	39.3		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	42.1		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	53.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38.7		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.5		0.88	5.00	ug/L
91-20-3	Naphthalene	37.0		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	17.5		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	38.7		1.30	5.00	ug/L
105-60-2	Caprolactam	46.6		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	41.9		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	37.4		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	140	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	41.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	42.6		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	40.4		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	37.2		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	42.6		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	38.1		0.93	5.00	ug/L

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Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BSD	SDG No.:	Q1514
Lab Sample ID:	PB167027BSD	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
BG064061.D	1	03/07/25 08:24	03/07/25 16:19	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	39.7		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	38.7		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	22.7		1.40	5.00	ug/L
83-32-9	Acenaphthene	37.1		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	86.0	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	90.4	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	35.9		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	41.3		1.50	5.00	ug/L
84-66-2	Diethylphthalate	37.5		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	36.9		0.98	5.00	ug/L
86-73-7	Fluorene	37.6		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	39.1		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	42.1		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	40.7		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	40.4		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	40.5		1.10	5.00	ug/L
1912-24-9	Atrazine	60.5		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	83.0	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	40.1		0.89	5.00	ug/L
120-12-7	Anthracene	41.1		1.10	5.00	ug/L
86-74-8	Carbazole	40.2		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.2		1.50	5.00	ug/L
206-44-0	Fluoranthene	38.6		1.30	5.00	ug/L
129-00-0	Pyrene	39.7		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	41.5		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	26.6		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	40.2		0.94	5.00	ug/L
218-01-9	Chrysene	39.0		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.0		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.4		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	39.1		1.10	5.00	ug/L

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Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BSD	SDG No.:	Q1514
Lab Sample ID:	PB167027BSD	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
BG064061.D	1	03/07/25 08:24	03/07/25 16:19	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	39.6		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	41.6		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.1		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.1		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	38.2		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.4		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	35.1		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42.6		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	129		15 (10) - 110 (139)	86%	SPK: 150
13127-88-3	Phenol-d6	126		15 (10) - 110 (134)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.2		30 (49) - 130 (133)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.7		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		15 (44) - 110 (137)	89%	SPK: 150
1718-51-0	Terphenyl-d14	86.3		30 (48) - 130 (125)	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	35200	7.864			
1146-65-2	Naphthalene-d8	162000	10.655			
15067-26-2	Acenaphthene-d10	118000	14.492			
1517-22-2	Phenanthrene-d10	257000	17.23			
1719-03-5	Chrysene-d12	264000	21.466			
1520-96-3	Perylene-d12	281000	24.48			

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02MS	SDG No.:	Q1514
Lab Sample ID:	Q1514-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
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
BG064066.D	1	03/07/25 08:55	03/07/25 19:42	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	830		220	410	ug/Kg
108-95-2	Phenol	2000		100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		100	210	ug/Kg
95-57-8	2-Chlorophenol	1800		100	210	ug/Kg
95-48-7	2-Methylphenol	2000		99.4	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		110	210	ug/Kg
98-86-2	Acetophenone	1800		110	210	ug/Kg
65794-96-9	3+4-Methylphenols	1900		98.4	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		49.7	98.6	ug/Kg
67-72-1	Hexachloroethane	1800		100	210	ug/Kg
98-95-3	Nitrobenzene	1800		110	210	ug/Kg
78-59-1	Isophorone	1800		100	210	ug/Kg
88-75-5	2-Nitrophenol	1900		120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	2400		110	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		93.1	210	ug/Kg
91-20-3	Naphthalene	1700		100	210	ug/Kg
106-47-8	4-Chloroaniline	430		100	210	ug/Kg
87-68-3	Hexachlorobutadiene	1700		100	210	ug/Kg
105-60-2	Caprolactam	2000		110	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		95.6	210	ug/Kg
91-57-6	2-Methylnaphthalene	1600		100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6900	E	190	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		88.0	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		91.2	210	ug/Kg
92-52-4	1,1-Biphenyl	1900		110	210	ug/Kg
91-58-7	2-Chloronaphthalene	1700		100	210	ug/Kg
88-74-4	2-Nitroaniline	1800		120	210	ug/Kg
131-11-3	Dimethylphthalate	1700		100	210	ug/Kg

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Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02MS	SDG No.:	Q1514
Lab Sample ID:	Q1514-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
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
BG064066.D	1	03/07/25 08:55	03/07/25 19:42	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		100	210	ug/Kg
99-09-2	3-Nitroaniline	780		110	210	ug/Kg
83-32-9	Acenaphthene	1700		100	210	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	300	410	ug/Kg
100-02-7	4-Nitrophenol	4200	E	140	410	ug/Kg
132-64-9	Dibenzofuran	1600		100	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		110	210	ug/Kg
84-66-2	Diethylphthalate	1700		98.8	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		110	210	ug/Kg
86-73-7	Fluorene	1700		110	210	ug/Kg
100-01-6	4-Nitroaniline	1800		130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		140	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		97.3	210	ug/Kg
118-74-1	Hexachlorobenzene	1700		100	210	ug/Kg
1912-24-9	Atrazine	2600		110	210	ug/Kg
87-86-5	Pentachlorophenol	3800	E	95.3	410	ug/Kg
85-01-8	Phenanthrene	1800		100	210	ug/Kg
120-12-7	Anthracene	1800		100	210	ug/Kg
86-74-8	Carbazole	1700		99.0	210	ug/Kg
84-74-2	Di-n-butylphthalate	1800		100	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	1900		120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	820		120	410	ug/Kg
56-55-3	Benzo(a)anthracene	1800		99.5	210	ug/Kg
218-01-9	Chrysene	1700		98.0	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		140	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		100	210	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02MS	SDG No.:	Q1514
Lab Sample ID:	Q1514-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
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
BG064066.D	1	03/07/25 08:55	03/07/25 19:42	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	1800		110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		96.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		98.8	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		110	210	ug/Kg
123-91-1	1,4-Dioxane	1700		140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		92.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	96.0		30 (18) - 130 (112)	64%	SPK: 150
13127-88-3	Phenol-d6	94.7		30 (15) - 130 (107)	63%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.1		30 (18) - 130 (107)	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.8		30 (20) - 130 (109)	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	99.5		30 (10) - 130 (116)	66%	SPK: 150
1718-51-0	Terphenyl-d14	55.2		30 (10) - 130 (105)	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	33600	7.867			
1146-65-2	Naphthalene-d8	157000	10.652			
15067-26-2	Acenaphthene-d10	111000	14.488			
1517-22-2	Phenanthrene-d10	251000	17.232			
1719-03-5	Chrysene-d12	259000	21.462			
1520-96-3	Perylene-d12	281000	24.477			

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02MSD	SDG No.:	Q1514
Lab Sample ID:	Q1514-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064067.D	1	03/07/25 08:55	03/07/25 20:22	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	830		220	410	ug/Kg
108-95-2	Phenol	1900		100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		100	210	ug/Kg
95-57-8	2-Chlorophenol	1800		100	210	ug/Kg
95-48-7	2-Methylphenol	1900		99.3	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		110	210	ug/Kg
98-86-2	Acetophenone	1800		110	210	ug/Kg
65794-96-9	3+4-Methylphenols	1900		98.3	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		49.7	98.6	ug/Kg
67-72-1	Hexachloroethane	1800		100	210	ug/Kg
98-95-3	Nitrobenzene	1800		110	210	ug/Kg
78-59-1	Isophorone	1800		100	210	ug/Kg
88-75-5	2-Nitrophenol	2000		120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	2400		110	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		93.0	210	ug/Kg
91-20-3	Naphthalene	1700		100	210	ug/Kg
106-47-8	4-Chloroaniline	480		100	210	ug/Kg
87-68-3	Hexachlorobutadiene	1700		100	210	ug/Kg
105-60-2	Caprolactam	2100		110	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		95.5	210	ug/Kg
91-57-6	2-Methylnaphthalene	1700		100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6600	E	190	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		88.0	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		91.2	210	ug/Kg
92-52-4	1,1-Biphenyl	1800		110	210	ug/Kg
91-58-7	2-Chloronaphthalene	1700		100	210	ug/Kg
88-74-4	2-Nitroaniline	1900		120	210	ug/Kg
131-11-3	Dimethylphthalate	1700		100	210	ug/Kg

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02MSD	SDG No.:	Q1514
Lab Sample ID:	Q1514-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064067.D	1	03/07/25 08:55	03/07/25 20:22	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		100	210	ug/Kg
99-09-2	3-Nitroaniline	850		110	210	ug/Kg
83-32-9	Acenaphthene	1700		99.9	210	ug/Kg
51-28-5	2,4-Dinitrophenol	4100	E	300	410	ug/Kg
100-02-7	4-Nitrophenol	4200	E	140	410	ug/Kg
132-64-9	Dibenzofuran	1600		100	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		110	210	ug/Kg
84-66-2	Diethylphthalate	1700		98.7	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		110	210	ug/Kg
86-73-7	Fluorene	1700		110	210	ug/Kg
100-01-6	4-Nitroaniline	1800		130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		140	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		97.2	210	ug/Kg
118-74-1	Hexachlorobenzene	1700		100	210	ug/Kg
1912-24-9	Atrazine	2600		110	210	ug/Kg
87-86-5	Pentachlorophenol	3800	E	95.2	410	ug/Kg
85-01-8	Phenanthrene	1800		100	210	ug/Kg
120-12-7	Anthracene	1800		100	210	ug/Kg
86-74-8	Carbazole	1700		98.9	210	ug/Kg
84-74-2	Di-n-butylphthalate	1800		100	210	ug/Kg
206-44-0	Fluoranthene	1700		100	210	ug/Kg
129-00-0	Pyrene	1800		100	210	ug/Kg
85-68-7	Butylbenzylphthalate	1900		120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	830		120	410	ug/Kg
56-55-3	Benzo(a)anthracene	1800		99.4	210	ug/Kg
218-01-9	Chrysene	1700		98.0	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		140	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		99.9	210	ug/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02MSD	SDG No.:	Q1514
Lab Sample ID:	Q1514-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064067.D	1	03/07/25 08:55	03/07/25 20:22	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	1800		110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		96.2	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		98.7	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		110	210	ug/Kg
123-91-1	1,4-Dioxane	1700		140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		92.0	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	91.3		30 (18) - 130 (112)	61%	SPK: 150
13127-88-3	Phenol-d6	90.9		30 (15) - 130 (107)	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.5		30 (18) - 130 (107)	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.4		30 (20) - 130 (109)	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	102		30 (10) - 130 (116)	68%	SPK: 150
1718-51-0	Terphenyl-d14	55.9		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	34400	7.864			
1146-65-2	Naphthalene-d8	153000	10.649			
15067-26-2	Acenaphthene-d10	113000	14.492			
1517-22-2	Phenanthrene-d10	256000	17.23			
1719-03-5	Chrysene-d12	258000	21.466			
1520-96-3	Perylene-d12	278000	24.48			

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-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141897.D 5 =BF141898.D 10 =BF141899.D 20 =BF141900.D 40 =BF141901.D 50 =BF141905.D 60 =BF141903.D 80 =BF1419
04.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.490	0.482	0.536	0.504	0.495	0.501	0.508	0.502	3.43
3)		Pyridine		1.217	1.204	1.334	1.221	1.203	1.209	1.233	1.232	3.77
4)		n-Nitrosodimet...		0.554	0.556	0.621	0.583	0.595	0.594	0.607	0.587	4.26
5)	S	2-Fluorophenol		1.267	1.243	1.298	1.148	1.162	1.146	1.124	1.198	5.79
6)		Aniline		1.599	1.602	1.640	1.465	1.443	1.435	1.351	1.505	7.20
7)	S	Phenol-d6		1.623	1.593	1.644	1.442	1.483	1.471	1.424	1.526	5.99
8)		2-Chlorophenol		1.421	1.354	1.434	1.259	1.295	1.284	1.256	1.329	5.63
9)		Benzaldehyde			1.021	0.975	0.778	0.778	0.716		0.853	15.85
10)	C	Phenol		1.708	1.675	1.747	1.536	1.542	1.532	1.496	1.605	6.30
11)		bis(2-Chloroet...		1.287	1.246	1.281	1.144	1.175	1.176	1.127	1.205	5.43
12)		1,3-Dichlorobe...		1.475	1.489	1.538	1.373	1.401	1.401	1.367	1.435	4.59
13)	C	1,4-Dichlorobe...		1.514	1.503	1.548	1.393	1.408	1.420	1.376	1.452	4.71
14)		1,2-Dichlorobe...		1.461	1.417	1.460	1.303	1.315	1.343	1.273	1.367	5.69
15)		Benzyl Alcohol		1.236	1.252	1.322	1.185	1.214	1.246	1.180	1.233	3.91
16)		2,2'-oxybis(1-...		1.591	1.525	1.534	1.363	1.387	1.472	1.313	1.455	7.07
17)		2-Methylphenol		1.080	1.050	1.122	1.008	1.038	1.079	1.021	1.057	3.73
18)		Hexachloroethane		0.545	0.551	0.576	0.517	0.540	0.560	0.522	0.544	3.76
19)	P	n-Nitroso-di-n...	1.020	1.024	1.000	1.043	0.913	0.940	0.991	0.912	0.980	5.29
20)		3+4-Methylphenols		1.449	1.394	1.470	1.294	1.311	1.334	1.223	1.354	6.55
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.514	0.493	0.513	0.460	0.450	0.469	0.453	0.479	5.76
23)	S	Nitrobenzene-d5		0.345	0.356	0.379	0.348	0.344	0.363	0.353	0.355	3.47
24)		Nitrobenzene		0.347	0.351	0.375	0.346	0.343	0.359	0.352	0.353	3.07
25)		Isophorone		0.647	0.620	0.655	0.600	0.605	0.648	0.622	0.628	3.49
26)	C	2-Nitrophenol		0.150	0.159	0.182	0.175	0.179	0.188	0.181	0.173	7.88
27)		2,4-Dimethylph...		0.247	0.234	0.251	0.231	0.233	0.244	0.232	0.239	3.45
28)		bis(2-Chloroet...		0.411	0.406	0.416	0.372	0.377	0.397	0.378	0.394	4.63
29)	C	2,4-Dichloroph...		0.292	0.295	0.309	0.286	0.295	0.303	0.294	0.296	2.54
30)		1,2,4-Trichlor...		0.337	0.325	0.342	0.310	0.318	0.333	0.322	0.327	3.50
31)		Naphthalene		1.104	1.075	1.101	0.984	1.001	0.973	0.954	1.027	6.22
32)		Benzoic acid			0.149	0.191	0.208	0.228	0.242	0.241	0.210	17.07
33)		4-Chloroaniline		0.383	0.378	0.393	0.351	0.354	0.352	0.329	0.363	6.14
34)	C	Hexachlorobuta...		0.211	0.211	0.221	0.203	0.214	0.214	0.216	0.213	2.52
35)		Caprolactam		0.092	0.089	0.094	0.084	0.088	0.090	0.094	0.090	4.00
36)	C	4-Chloro-3-met...		0.334	0.331	0.349	0.318	0.329	0.334	0.320	0.331	3.13
37)		2-Methylnaphth...		0.746	0.709	0.733	0.653	0.655	0.667	0.645	0.687	6.09
38)		1-Methylnaphth...		0.717	0.691	0.721	0.623	0.619	0.647	0.620	0.663	6.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.615	0.604	0.626	0.592	0.597	0.606	0.623	0.609	2.11
41)	P	Hexachlorocycl...	0.204	0.221	0.249	0.250	0.237	0.252	0.256	0.238	8.03
42)	S	2,4,6-Tribromo...	0.234	0.236	0.259	0.250	0.259	0.265	0.272	0.254	5.67
43)	C	2,4,6-Trichlor...	0.388	0.389	0.402	0.398	0.400	0.401	0.409	0.398	1.91
44)		2,4,5-Trichlor...	0.396	0.391	0.422	0.389	0.400	0.415	0.407	0.403	3.05
45)	S	2-Fluorobiphenyl	1.430	1.379	1.379	1.254	1.272	1.246	1.246	1.315	5.95
46)		1,1'-Biphenyl	1.636	1.573	1.591	1.454	1.502	1.431	1.450	1.520	5.29
47)		2-Chloronaphth...	1.197	1.141	1.181	1.091	1.129	1.090	1.100	1.133	3.82
48)		2-Nitroaniline	0.296	0.314	0.346	0.322	0.356	0.332	0.330	0.328	6.08
49)		Acenaphthylene	1.765	1.740	1.778	1.635	1.664	1.595	1.589	1.681	4.74
50)		Dimethylphthalate	1.481	1.414	1.469	1.329	1.425	1.345	1.341	1.401	4.47
51)		2,6-Dinitrotol...	0.277	0.279	0.305	0.285	0.307	0.296	0.292	0.292	4.11
52)	C	Acenaphthene	1.236	1.195	1.231	1.146	1.144	1.165	1.152	1.181	3.37
53)		3-Nitroaniline	0.291	0.295	0.316	0.293	0.283	0.301	0.291	0.296	3.61
54)	P	2,4-Dinitrophenol		0.085	0.124	0.142	0.153	0.161	0.169	0.139	22.02
55)		Dibenzofuran	1.849	1.787	1.791	1.614	1.607	1.596	1.570	1.688	6.87
56)	P	4-Nitrophenol	0.192	0.216	0.234	0.230	0.229	0.230	0.230	0.223	6.60
57)		2,4-Dinitrotol...	0.365	0.382	0.402	0.375	0.383	0.383	0.376	0.381	2.95
58)		Fluorene	1.443	1.361	1.381	1.229	1.243	1.234	1.220	1.302	7.01
59)		2,3,4,6-Tetrac...	0.355	0.365	0.390	0.359	0.364	0.366	0.369	0.367	3.05
60)		Diethylphthalate	1.475	1.471	1.497	1.336	1.357	1.338	1.302	1.397	5.80
61)		4-Chlorophenyl...	0.730	0.688	0.702	0.643	0.664	0.656	0.667	0.679	4.41
62)		4-Nitroaniline	0.284	0.288	0.304	0.288	0.287	0.286	0.278	0.288	2.73
63)		Azobenzene	1.392	1.363	1.404	1.245	1.261	1.226	1.197	1.298	6.57
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.083	0.111	0.121	0.130	0.133	0.137	0.119	16.61
66)	c	n-Nitrosodiphe...	0.675	0.651	0.671	0.620	0.638	0.638	0.637	0.647	3.03
67)		4-Bromophenyl-...	0.240	0.249	0.255	0.244	0.263	0.245	0.262	0.251	3.55
68)		Hexachlorobenzene	0.262	0.267	0.284	0.269	0.283	0.271	0.292	0.275	3.92
69)		Atrazine	0.216	0.213	0.193	0.164	0.206			0.198	10.72
70)	C	Pentachlorophenol	0.130	0.151	0.172	0.177	0.180	0.186	0.191	0.170	12.66
71)		Phenanthrene	1.155	1.151	1.138	1.038	1.026	1.032	1.023	1.080	5.90
72)		Anthracene	1.173	1.139	1.139	1.046	1.026	1.036	1.026	1.084	5.89
73)		Carbazole	0.996	0.994	0.985	0.908	0.903	0.892	0.864	0.935	5.91
74)		Di-n-butylphth...	1.320	1.321	1.319	1.177	1.238	1.175	1.132	1.240	6.50
75)	C	Fluoranthene	1.234	1.226	1.228	1.108	1.148	1.059	1.017	1.146	7.66
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.347	0.309	0.190	0.360	0.220	0.275	0.252	0.279	22.73
78)		Pyrene	1.695	1.651	1.727	1.611	1.877	1.823	1.726	1.730	5.38
79)	S	Terphenyl-d14	1.343	1.309	1.360	1.276	1.380	1.417	1.384	1.353	3.56
80)		Butylbenzylpht...	0.629	0.656	0.702	0.655	0.703	0.717	0.677	0.677	4.72
81)		Benzo(a)anthra...	1.370	1.304	1.334	1.273	1.294	1.317	1.294	1.312	2.41
82)		3,3'-Dichlorob...	0.370	0.389	0.380	0.372	0.365	0.394	0.384	0.379	2.78
83)		Chrysene	1.143	1.194	1.260	1.136	1.192	1.213	1.189	1.190	3.53
84)		Bis(2-ethylhex...	0.897	0.912	0.966	0.904	0.978	0.952	0.927	0.934	3.43
85)	c	Di-n-octyl pht...	1.145	1.219	1.338	1.265	1.376	1.390	1.361	1.299	7.10

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.097	1.142	1.308	1.287	1.322	1.472	1.429	1.294	10.60
88)		Benzo(b)fluora...	1.420	1.310	1.485	1.210	1.346	1.390	1.434	1.371	6.65
89)		Benzo(k)fluora...	1.162	1.268	1.197	1.205	1.129	1.210	1.041	1.173	6.16
90)	C	Benzo(a)pyrene	1.040	1.042	1.123	1.036	1.083	1.083	1.101	1.073	3.16
91)		Dibenzo(a,h)an...	0.910	0.953	1.073	1.068	1.095	1.195	1.178	1.067	9.91
92)		Benzo(g,h,i)pe...	0.912	0.949	1.061	1.065	1.064	1.167	1.167	1.055	9.24

(#) = Out of Range

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 05 15:39:19 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064045.D 5 =BG064046.D 10 =BG064047.D 20 =BG064048.D 40 =BG064049.D 50 =BG064050.D 60 =BG064051.D 80 =BG0640
52.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD									
2)		1,4-Dioxane		0.598	0.605	0.624	0.585	0.559	0.539	0.554	0.580	5.31
3)		Pyridine		1.450	1.445	1.452	1.573	1.338	1.376	1.248	1.412	7.30
4)		n-Nitrosodimet...		0.892	0.976	1.017	1.064	0.996	1.047	1.068	1.009	6.16
5)	S	2-Fluorophenol		1.165	1.240	1.330	1.350	1.259	1.318	1.304	1.281	5.00
6)		Aniline		1.593	1.670	1.825	1.820	1.642	1.748	1.671	1.710	5.24
7)	S	Phenol-d6		1.580	1.631	1.794	1.848	1.703	1.839	1.803	1.742	6.09
8)		2-Chlorophenol		1.262	1.337	1.412	1.446	1.333	1.420	1.420	1.376	4.80
9)		Benzaldehyde		1.111	1.122	1.133	1.003	0.860	0.850		1.013	12.94
10)	C	Phenol		1.590	1.693	1.826	1.881	1.752	1.900	1.846	1.784	6.30
11)		bis(2-Chloroet...		1.375	1.444	1.424	1.415	1.322	1.418	1.394	1.399	2.88
12)		1,3-Dichlorobe...		1.523	1.539	1.501	1.546	1.438	1.519	1.508	1.511	2.36
13)	C	1,4-Dichlorobe...		1.548	1.546	1.607	1.592	1.478	1.536	1.532	1.548	2.72
14)		1,2-Dichlorobe...		1.488	1.464	1.543	1.519	1.416	1.525	1.497	1.493	2.88
15)		Benzyl Alcohol		1.115	1.249	1.343	1.436	1.358	1.467	1.457	1.346	9.50
16)		2,2'-oxybis(1-...		3.064	3.024	3.209	3.282	2.996	3.218	3.222	3.145	3.61
17)		2-Methylphenol		1.015	1.116	1.177	1.268	1.171	1.269	1.271	1.184	8.11
18)		Hexachloroethane		0.489	0.519	0.520	0.577	0.526	0.581	0.580	0.542	6.88
19)	P	n-Nitroso-di-n...	1.146	1.095	1.157	1.282	1.323	1.189	1.322	1.268	1.223	7.13
20)		3+4-Methylphenols		1.402	1.518	1.638	1.706	1.612	1.804	1.729	1.630	8.34
21)	I	Naphthalene-d8	ISTD									
22)		Acetophenone		0.522	0.525	0.580	0.563	0.546	0.561	0.543	0.548	3.82
23)	S	Nitrobenzene-d5		0.290	0.300	0.360	0.385	0.390	0.400	0.409	0.362	13.32
24)		Nitrobenzene		0.298	0.320	0.390	0.397	0.396	0.409	0.409	0.374	12.20
25)		Isophorone		0.709	0.672	0.744	0.745	0.717	0.757	0.727	0.724	3.93
26)	C	2-Nitrophenol		0.067	0.079	0.096	0.122	0.130	0.141	0.147	0.112	28.03
27)		2,4-Dimethylph...		0.194	0.187	0.221	0.228	0.221	0.239	0.229	0.217	8.82
28)		bis(2-Chloroet...		0.424	0.417	0.468	0.443	0.427	0.449	0.445	0.439	4.03
29)	C	2,4-Dichloroph...		0.222	0.239	0.281	0.287	0.290	0.301	0.298	0.274	11.22
30)		1,2,4-Trichlor...		0.323	0.317	0.343	0.332	0.336	0.335	0.332	0.331	2.54
31)		Naphthalene		1.078	1.043	1.114	1.079	1.061	1.097	1.077	1.078	2.13
32)		Benzoic acid			0.078	0.139	0.172	0.191	0.217	0.220	0.170	31.75
33)		4-Chloroaniline		0.355	0.364	0.407	0.416	0.394	0.419	0.404	0.394	6.46
34)	C	Hexachlorobuta...		0.208	0.213	0.225	0.219	0.216	0.220	0.218	0.217	2.55
35)		Caprolactam		0.086	0.091	0.112	0.110	0.113	0.112	0.111	0.105	10.78
36)	C	4-Chloro-3-met...		0.293	0.330	0.379	0.373	0.373	0.390	0.376	0.359	9.67
37)		2-Methylnaphth...		0.775	0.727	0.788	0.763	0.746	0.779	0.751	0.761	2.80
38)		1-Methylnaphth...		0.745	0.728	0.771	0.753	0.724	0.768	0.733	0.746	2.53

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.547	0.584	0.592	0.586	0.560	0.562	0.566	0.571	2.88
41)	P	Hexachlorocycl...	0.123	0.128	0.161	0.175	0.175	0.180	0.183	0.161	15.44
42)	S	2,4,6-Tribromo...	0.166	0.191	0.226	0.241	0.241	0.250	0.241	0.222	14.12
43)	C	2,4,6-Trichlor...	0.268	0.293	0.341	0.358	0.362	0.368	0.366	0.337	11.89
44)		2,4,5-Trichlor...	0.284	0.330	0.381	0.406	0.396	0.407	0.413	0.374	12.98
45)	S	2-Fluorobiphenyl	1.369	1.310	1.359	1.368	1.283	1.284	1.251	1.318	3.62
46)		1,1'-Biphenyl	1.506	1.499	1.572	1.538	1.475	1.512	1.475	1.511	2.29
47)		2-Chloronaphth...	1.086	1.075	1.100	1.127	1.102	1.121	1.103	1.102	1.63
48)		2-Nitroaniline	0.197	0.231	0.277	0.348	0.368	0.396	0.408	0.318	26.14
49)		Acenaphthylene	1.714	1.677	1.793	1.789	1.735	1.777	1.717	1.743	2.53
50)		Dimethylphthalate	1.432	1.401	1.559	1.520	1.463	1.508	1.452	1.476	3.73
51)		2,6-Dinitrotol...	0.158	0.200	0.262	0.292	0.300	0.307	0.308	0.261	22.73
52)	C	Acenaphthene	1.165	1.148	1.231	1.187	1.159	1.171	1.128	1.170	2.77
53)		3-Nitroaniline	0.190	0.228	0.298	0.316	0.313	0.329	0.323	0.285	18.96
54)	P	2,4-Dinitrophenol		0.066	0.084	0.100	0.111	0.121	0.129	0.102	23.25
55)		Dibenzofuran	1.926	1.881	1.976	1.941	1.853	1.864	1.826	1.895	2.84
56)	P	4-Nitrophenol		0.164	0.200	0.257	0.280	0.270	0.265	0.239	19.47
57)		2,4-Dinitrotol...	0.225	0.255	0.344	0.404	0.418	0.426	0.424	0.357	23.78
58)		Fluorene	1.555	1.450	1.542	1.478	1.452	1.460	1.395	1.476	3.79
59)		2,3,4,6-Tetrac...	0.262	0.326	0.388	0.395	0.385	0.402	0.393	0.365	14.21
60)		Diethylphthalate	1.496	1.501	1.709	1.669	1.624	1.637	1.584	1.603	5.06
61)		4-Chlorophenyl...	0.754	0.744	0.788	0.735	0.712	0.721	0.681	0.733	4.61
62)		4-Nitroaniline	0.213	0.263	0.313	0.345	0.351	0.339	0.333	0.308	16.67
63)		Azobenzene	1.734	1.645	1.785	1.758	1.700	1.705	1.644	1.710	3.13
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.050	0.059	0.075	0.082	0.092	0.096	0.076	24.31
66)	c	n-Nitrosodiphe...	0.558	0.551	0.582	0.578	0.558	0.571	0.565	0.566	2.06
67)		4-Bromophenyl-...	0.186	0.195	0.212	0.210	0.200	0.217	0.213	0.205	5.61
68)		Hexachlorobenzene	0.227	0.226	0.236	0.229	0.228	0.229	0.230	0.229	1.45
69)		Atrazine	0.175	0.190	0.179	0.160	0.129			0.167	14.34
70)	C	Pentachlorophenol		0.105	0.128	0.149	0.151	0.159	0.163	0.142	15.58
71)		Phenanthrene	1.084	1.034	1.110	1.080	1.054	1.059	1.047	1.067	2.44
72)		Anthracene	1.024	1.041	1.104	1.085	1.055	1.065	1.051	1.061	2.55
73)		Carbazole	0.949	0.988	1.020	1.027	1.007	0.986	0.956	0.990	3.02
74)		Di-n-butylphth...	0.932	1.095	1.213	1.257	1.236	1.219	1.208	1.166	9.90
75)	C	Fluoranthene	1.272	1.315	1.336	1.318	1.298	1.243	1.221	1.286	3.31
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.221	0.400	0.238	0.313	0.195	0.299	0.271	0.277	24.80
78)		Pyrene	1.251	1.287	1.350	1.310	1.254	1.290	1.282	1.289	2.63
79)	S	Terphenyl-d14	1.011	1.024	1.062	0.999	0.944	0.957	0.927	0.989	4.88
80)		Butylbenzylpht...	0.285	0.331	0.405	0.465	0.473	0.503	0.502	0.423	20.44
81)		Benzo(a)anthra...	1.217	1.268	1.310	1.303	1.275	1.309	1.286	1.281	2.54
82)		3,3'-Dichlorob...	0.350	0.396	0.444	0.450	0.416	0.436	0.411	0.415	8.27
83)		Chrysene	1.281	1.233	1.308	1.306	1.263	1.301	1.252	1.278	2.29
84)		Bis(2-ethylhex...	0.504	0.582	0.685	0.757	0.751	0.789	0.782	0.693	15.90
85)	c	Di-n-octyl pht...		0.892	1.108	1.239	1.256	1.339	1.338	1.195	14.31

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.223	1.232	1.408	1.376	1.354	1.381	1.394	1.338	5.80
88)		Benzo(b)fluora...	1.150	1.146	1.269	1.216	1.232	1.215	1.236	1.209	3.76
89)		Benzo(k)fluora...	1.111	1.189	1.281	1.255	1.205	1.234	1.215	1.213	4.49
90)	C	Benzo(a)pyrene	0.993	1.022	1.124	1.107	1.106	1.092	1.093	1.077	4.57
91)		Dibenzo(a,h)an...	1.029	1.036	1.151	1.133	1.134	1.123	1.160	1.109	4.86
92)		Benzo(g,h,i)pe...	1.049	1.093	1.208	1.152	1.146	1.155	1.168	1.139	4.58

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_F Calibration Date/Time: 03/11/2025 11:51

Lab File ID: BF141910.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.135		-5.3	
Benzaldehyde	0.853	0.793		-7.0	
Phenol-d6	1.526	1.442		-5.5	
Phenol	1.605	1.529		-4.7	20.0
bis(2-Chloroethyl)ether	1.205	1.137		-5.6	
2-Chlorophenol	1.329	1.273		-4.2	
2-Methylphenol	1.057	1.011		-4.4	
2,2-oxybis(1-Chloropropane)	1.455	1.336		-8.2	
Acetophenone	0.479	0.454		-5.2	
3+4-Methylphenols	1.354	1.288		-4.9	
n-Nitroso-di-n-propylamine	0.980	0.910	0.050	-7.1	
Nitrobenzene-d5	0.355	0.347		-2.3	
Hexachloroethane	0.544	0.529		-2.8	
Nitrobenzene	0.353	0.343		-2.8	
Isophorone	0.628	0.601		-4.3	
2-Nitrophenol	0.173	0.178		2.9	20.0
2,4-Dimethylphenol	0.239	0.233		-2.5	
bis(2-Chloroethoxy)methane	0.394	0.375		-4.8	
2,4-Dichlorophenol	0.296	0.287		-3.0	20.0
Naphthalene	1.027	0.978		-4.8	
4-Chloroaniline	0.363	0.349		-3.9	
Hexachlorobutadiene	0.213	0.209		-1.9	20.0
Caprolactam	0.090	0.086		-4.4	
4-Chloro-3-methylphenol	0.331	0.318		-3.9	20.0
2-Methylnaphthalene	0.687	0.664		-3.3	
Hexachlorocyclopentadiene	0.238	0.241	0.050	1.3	
2,4,6-Trichlorophenol	0.398	0.399		0.3	20.0
2-Fluorobiphenyl	1.315	1.239		-5.8	
2,4,5-Trichlorophenol	0.403	0.389		-3.5	
1,1-Biphenyl	1.520	1.464		-3.7	
2-Chloronaphthalene	1.133	1.095		-3.4	
2-Nitroaniline	0.328	0.321		-2.1	
Dimethylphthalate	1.401	1.340		-4.4	
Acenaphthylene	1.681	1.623		-3.5	
2,6-Dinitrotoluene	0.292	0.292		0.0	
3-Nitroaniline	0.296	0.289		-2.4	
Acenaphthene	1.181	1.139		-3.6	20.0
2,4-Dinitrophenol	0.139	0.143	0.050	2.9	
4-Nitrophenol	0.223	0.221	0.050	-0.9	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_F Calibration Date/Time: 03/11/2025 11:51

Lab File ID: BF141910.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.688	1.616		-4.3	
2,4-Dinitrotoluene	0.381	0.381		0.0	
Diethylphthalate	1.397	1.338		-4.2	
4-Chlorophenyl-phenylether	0.679	0.657		-3.2	
Fluorene	1.302	1.239		-4.8	
4-Nitroaniline	0.288	0.280		-2.8	
4,6-Dinitro-2-methylphenol	0.119	0.119		0.0	
n-Nitrosodiphenylamine	0.647	0.619		-4.3	20.0
2,4,6-Tribromophenol	0.254	0.255		0.4	
4-Bromophenyl-phenylether	0.251	0.245		-2.4	
Hexachlorobenzene	0.275	0.273		-0.7	
Atrazine	0.198	0.183		-7.6	
Pentachlorophenol	0.170	0.172		1.2	20.0
Phenanthrene	1.080	1.027		-4.9	
Anthracene	1.084	1.031		-4.9	
Carbazole	0.935	0.884		-5.5	
Di-n-butylphthalate	1.240	1.176		-5.2	
Fluoranthene	1.146	1.067		-6.9	20.0
Pyrene	1.730	1.662		-3.9	
Terphenyl-d14	1.353	1.336		-1.3	
Butylbenzylphthalate	0.677	0.669		-1.2	
3,3-Dichlorobenzidine	0.379	0.366		-3.4	
Benzo(a)anthracene	1.312	1.219		-7.1	
Chrysene	1.190	1.169		-1.8	
Bis(2-ethylhexyl)phthalate	0.934	0.921		-1.4	
Di-n-octyl phthalate	1.299	1.308		0.7	20.0
Benzo(b)fluoranthene	1.371	1.224		-10.7	
Benzo(k)fluoranthene	1.173	1.141		-2.7	
Benzo(a)pyrene	1.073	1.020		-4.9	20.0
Indeno(1,2,3-cd)pyrene	1.294	1.240		-4.2	
Dibenzo(a,h)anthracene	1.067	1.021		-4.3	
Benzo(g,h,i)perylene	1.055	1.000		-5.2	
1,2,4,5-Tetrachlorobenzene	0.609	0.593		-2.6	
1,4-Dioxane	0.502	0.488		-2.8	20.0
2,3,4,6-Tetrachlorophenol	0.367	0.366		-0.3	

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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_G Calibration Date/Time: 03/07/2025 12:56

Lab File ID: BG064056.D Init. Calib. Date(s): 03/05/2025 03/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:44

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.281	1.291		0.8	
Benzaldehyde	1.013	0.945		-6.7	
Phenol-d6	1.742	1.763		1.2	
Phenol	1.784	1.847		3.5	20.0
bis(2-Chloroethyl)ether	1.399	1.376		-1.6	
2-Chlorophenol	1.376	1.371		-0.4	
2-Methylphenol	1.184	1.182		-0.2	
2,2-oxybis(1-Chloropropane)	3.145	3.061		-2.7	
Acetophenone	0.548	0.561		2.4	
3+4-Methylphenols	1.630	1.620		-0.6	
n-Nitroso-di-n-propylamine	1.223	1.189	0.050	-2.8	
Nitrobenzene-d5	0.362	0.385		6.4	
Hexachloroethane	0.542	0.547		0.9	
Nitrobenzene	0.374	0.399		6.7	
Isophorone	0.724	0.728		0.6	
2-Nitrophenol	0.112	0.113		0.9	20.0
2,4-Dimethylphenol	0.217	0.225		3.7	
bis(2-Chloroethoxy)methane	0.439	0.444		1.1	
2,4-Dichlorophenol	0.274	0.286		4.4	20.0
Naphthalene	1.078	1.097		1.8	
4-Chloroaniline	0.394	0.411		4.3	
Hexachlorobutadiene	0.217	0.220		1.4	20.0
Caprolactam	0.105	0.113		7.6	
4-Chloro-3-methylphenol	0.359	0.384		7.0	20.0
2-Methylnaphthalene	0.761	0.799		5.0	
Hexachlorocyclopentadiene	0.161	0.164	0.050	1.9	
2,4,6-Trichlorophenol	0.337	0.357		5.9	20.0
2-Fluorobiphenyl	1.318	1.344		2.0	
2,4,5-Trichlorophenol	0.374	0.389		4.0	
1,1-Biphenyl	1.511	1.529		1.2	
2-Chloronaphthalene	1.102	1.114		1.1	
2-Nitroaniline	0.318	0.339		6.6	
Dimethylphthalate	1.476	1.470		-0.4	
Acenaphthylene	1.743	1.729		-0.8	
2,6-Dinitrotoluene	0.261	0.286		9.6	
3-Nitroaniline	0.285	0.315		10.5	
Acenaphthene	1.170	1.159		-0.9	20.0
2,4-Dinitrophenol	0.102	0.094	0.050	-7.8	
4-Nitrophenol	0.239	0.254	0.050	6.3	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_G Calibration Date/Time: 03/07/2025 12:56

Lab File ID: BG064056.D Init. Calib. Date(s): 03/05/2025 03/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:44

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.895	1.896		0.1	
2,4-Dinitrotoluene	0.357	0.390		9.2	
Diethylphthalate	1.603	1.634		1.9	
4-Chlorophenyl-phenylether	0.733	0.717		-2.2	
Fluorene	1.476	1.497		1.4	
4-Nitroaniline	0.308	0.340		10.4	
4,6-Dinitro-2-methylphenol	0.076	0.074		-2.6	
n-Nitrosodiphenylamine	0.566	0.579		2.3	20.0
2,4,6-Tribromophenol	0.222	0.238		7.2	
4-Bromophenyl-phenylether	0.205	0.212		3.4	
Hexachlorobenzene	0.229	0.235		2.6	
Atrazine	0.167	0.159		-4.8	
Pentachlorophenol	0.142	0.140		-1.4	20.0
Phenanthrene	1.067	1.101		3.2	
Anthracene	1.061	1.102		3.9	
Carbazole	0.990	1.032		4.2	
Di-n-butylphthalate	1.166	1.263		8.3	
Fluoranthene	1.286	1.358		5.6	20.0
Pyrene	1.289	1.254		-2.7	
Terphenyl-d14	0.989	0.966		-2.3	
Butylbenzylphthalate	0.423	0.459		8.5	
3,3-Dichlorobenzidine	0.415	0.439		5.8	
Benzo(a)anthracene	1.281	1.296		1.2	
Chrysene	1.278	1.269		-0.7	
Bis(2-ethylhexyl)phthalate	0.693	0.760		9.7	
Di-n-octyl phthalate	1.195	1.220		2.1	20.0
Benzo(b)fluoranthene	1.209	1.218		0.7	
Benzo(k)fluoranthene	1.213	1.234		1.7	
Benzo(a)pyrene	1.077	1.096		1.8	20.0
Indeno(1,2,3-cd)pyrene	1.338	1.369		2.3	
Dibenzo(a,h)anthracene	1.109	1.130		1.9	
Benzo(g,h,i)perylene	1.139	1.157		1.6	
1,2,4,5-Tetrachlorobenzene	0.571	0.583		2.1	
1,4-Dioxane	0.580	0.675		16.4	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.373		2.2	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 11 16:52:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	150957	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	586367	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	300301	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	431301	20.000	ng		0.00
76) Chrysene-d12	14.039	240	338343	20.000	ng		0.00
86) Perylene-d12	15.521	264	250489	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	749092	82.819	ng		0.00
7) Phenol-d6	6.498	99	900241	78.171	ng		0.00
23) Nitrobenzene-d5	7.434	82	582366	55.892	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	254726	66.862	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	1157452	58.617	ng		0.00
79) Terphenyl-d14	12.986	244	1029420	44.982	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.422	178	219318	9.414	ng		99
72) Anthracene	11.474	178	47239m	2.021	ng		
75) Fluoranthene	12.610	202	205658	8.322	ng		99
78) Pyrene	12.839	202	190783	6.519	ng		96
81) Benzo(a)anthracene	14.027	228	92270	4.156	ng	#	88
83) Chrysene	14.063	228	82029	4.076	ng	#	86
88) Benzo(b)fluoranthene	15.086	252	68107m	3.967	ng		
90) Benzo(a)pyrene	15.457	252	46734	3.479	ng	#	64

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 11 16:52:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

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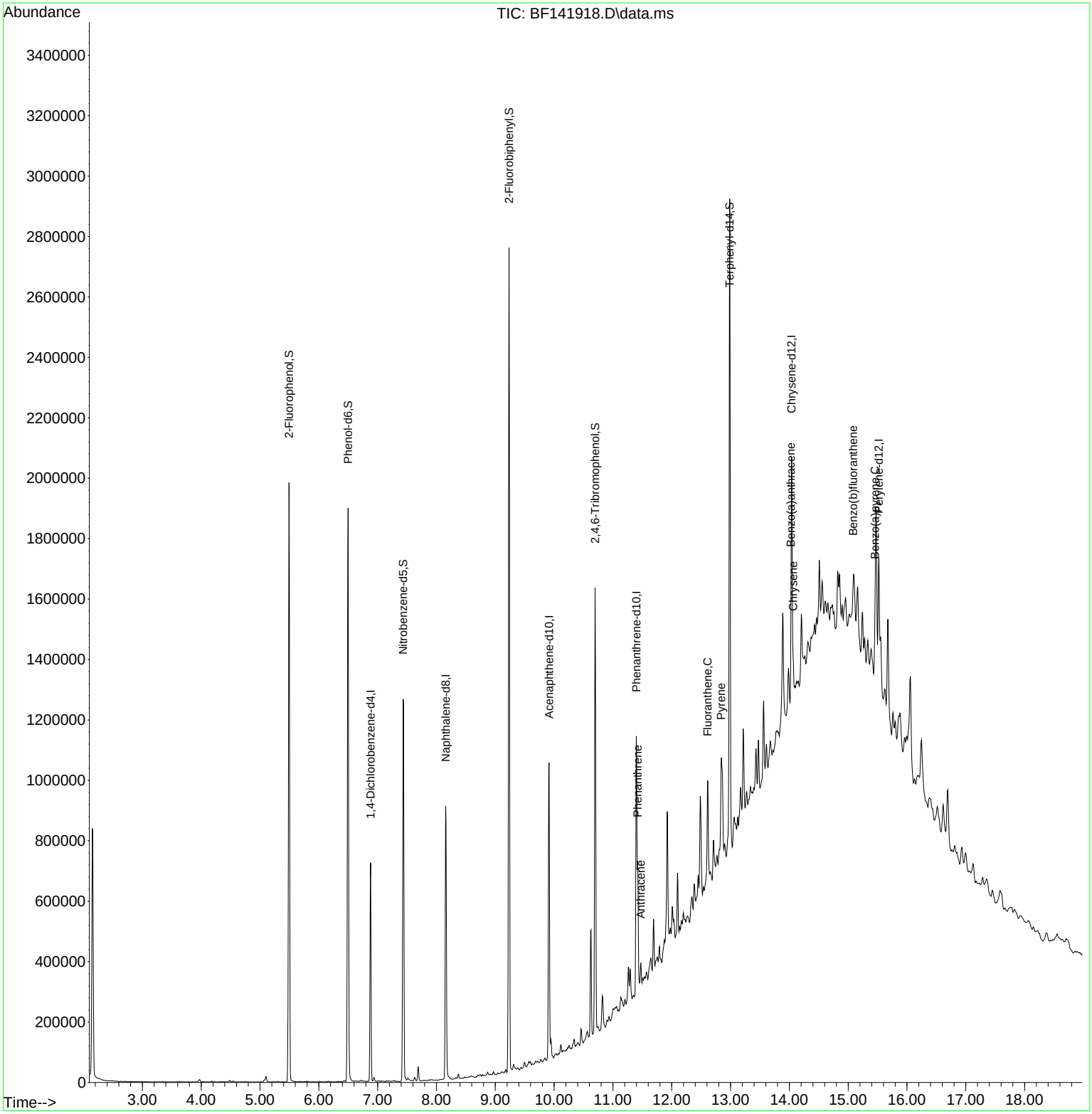
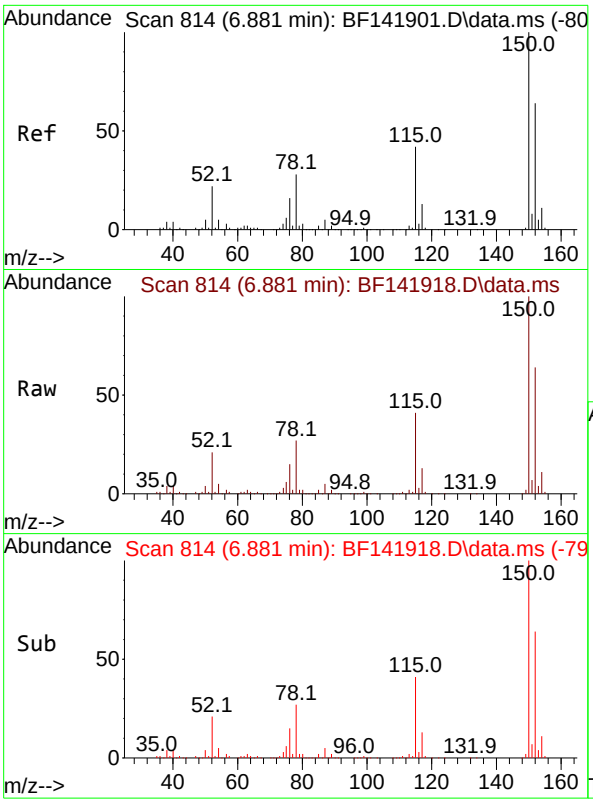
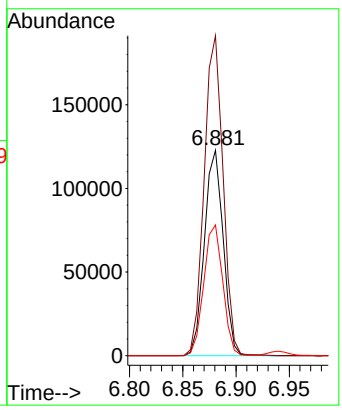




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:152 Resp: 15095

Ion	Ratio	Lower	Upper
152	100		
150	155.8	127.4	191.2
115	63.6	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Manual Integrations
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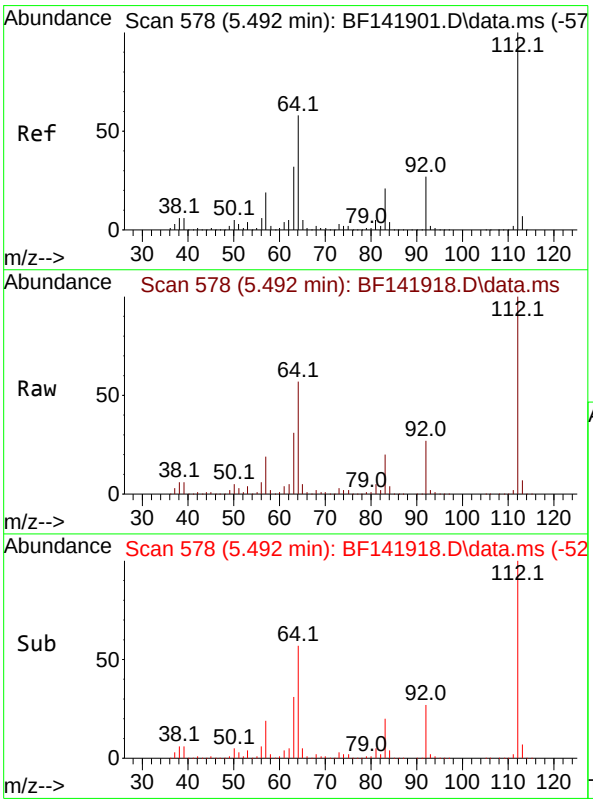
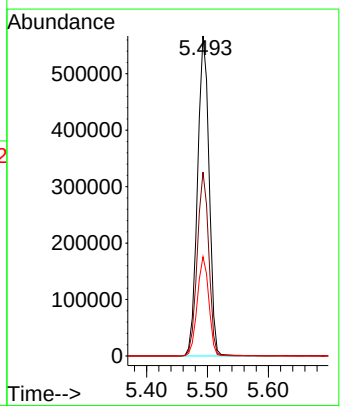
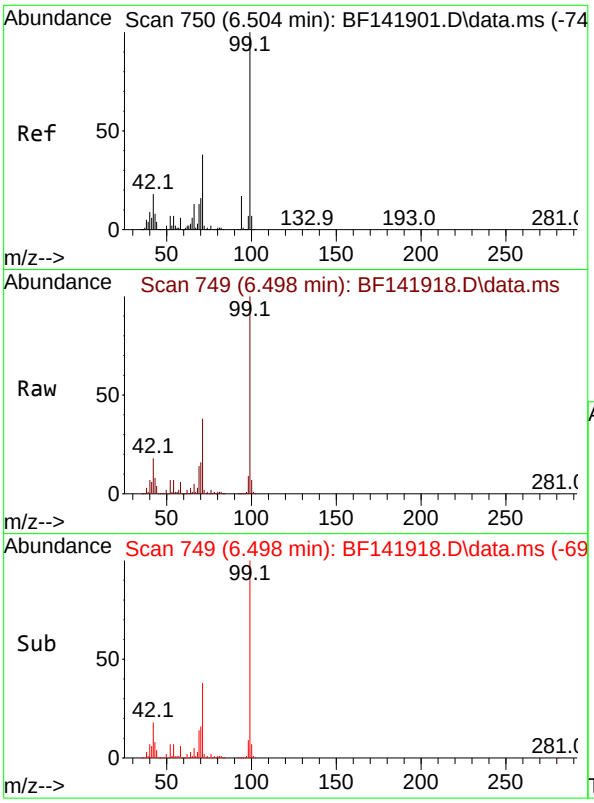


#5
2-Fluorophenol
Concen: 82.819 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:112 Resp: 749092

Ion	Ratio	Lower	Upper
112	100		
64	57.5	46.5	69.7
63	31.0	25.4	38.2

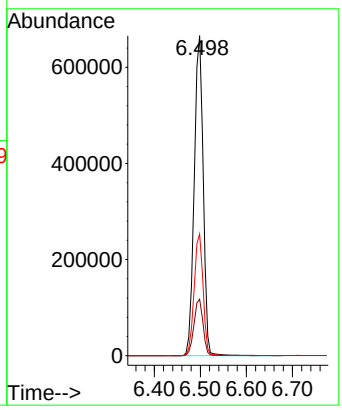




#7
Phenol-d6
Concen: 78.171 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion: 99 Resp: 90024

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.6	21.8
71	38.1	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

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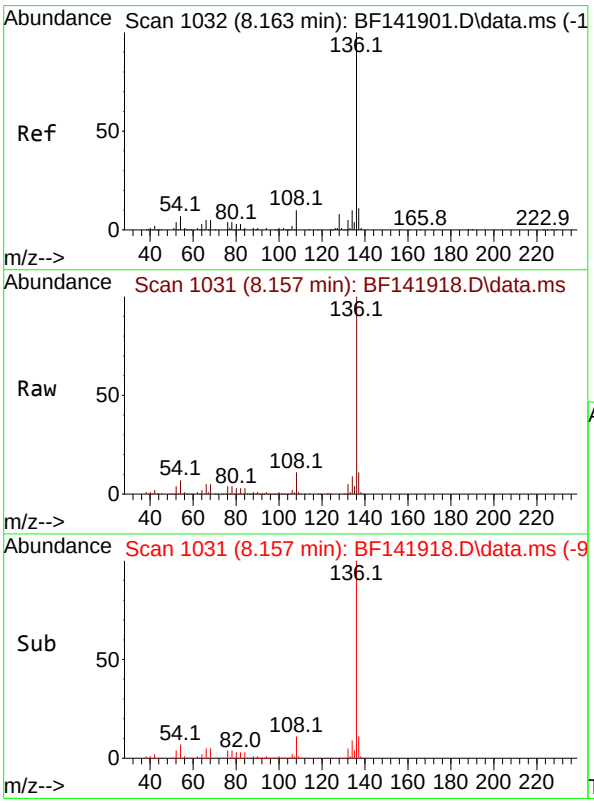
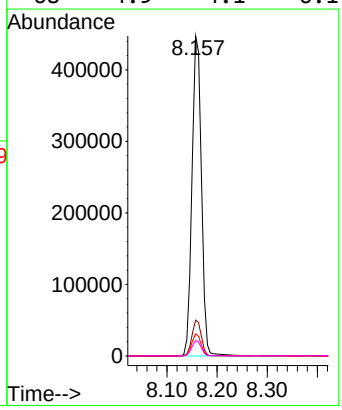
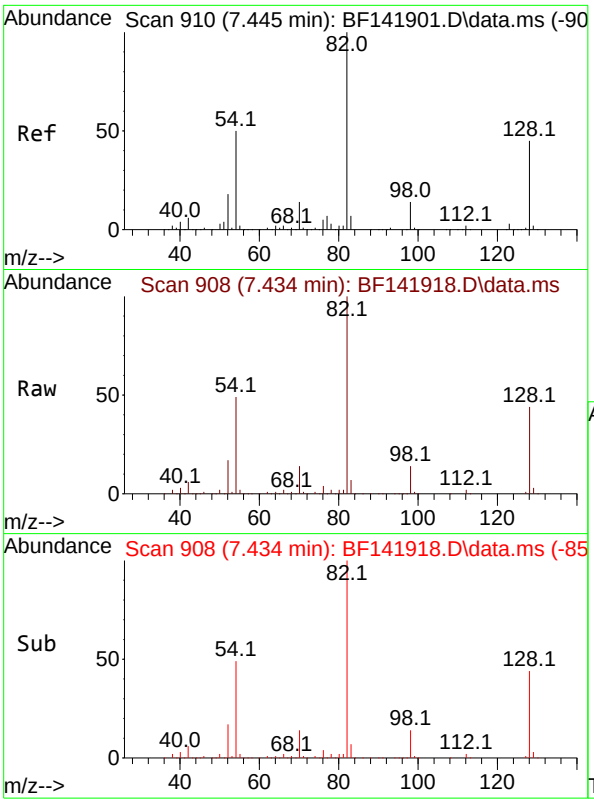


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:136 Resp: 586367

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	6.9	5.8	8.8
68	4.9	4.1	6.1

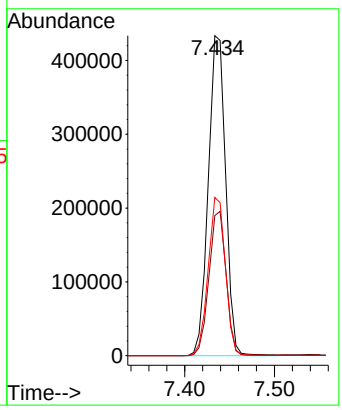




#23
Nitrobenzene-d5
Concen: 55.892 ng
RT: 7.434 min Scan# 9(
Delta R.T. -0.012 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion: 82 Resp: 58236(

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.0	54.0
54	49.4	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

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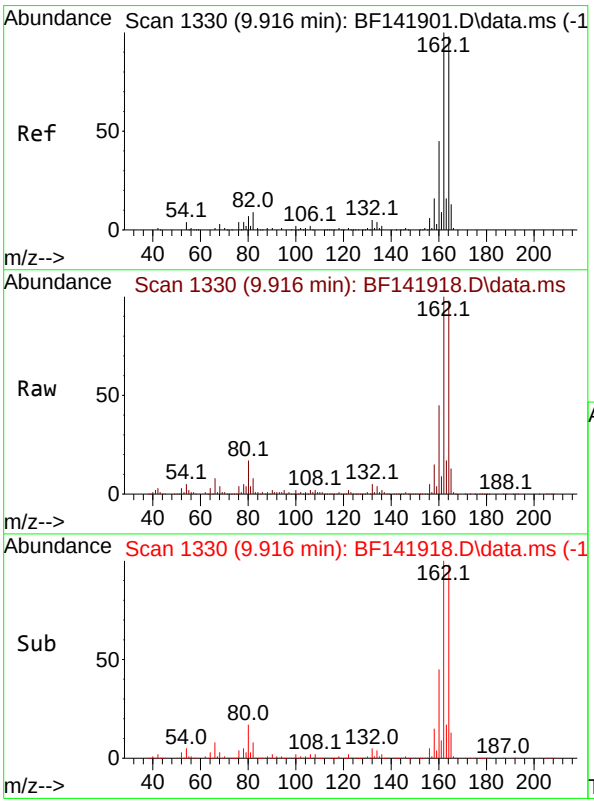
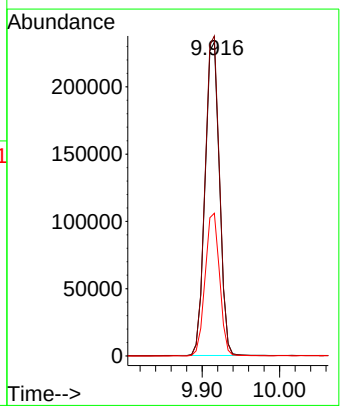
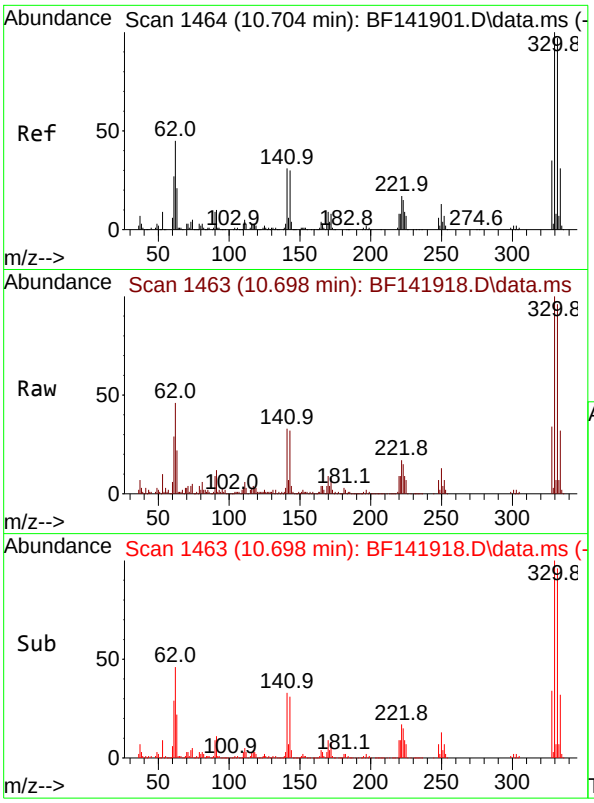


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:164 Resp: 300301

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.8	122.6
160	45.5	36.7	55.1

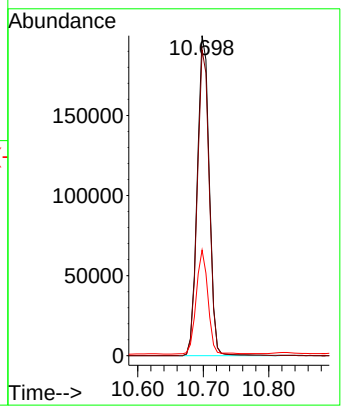




#42
2,4,6-Tribromophenol
Concen: 66.862 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:330 Resp: 25472

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.6	116.4
141	31.8	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Manual Integrations
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Reviewed By :Anahy Claudio 03/12/2025
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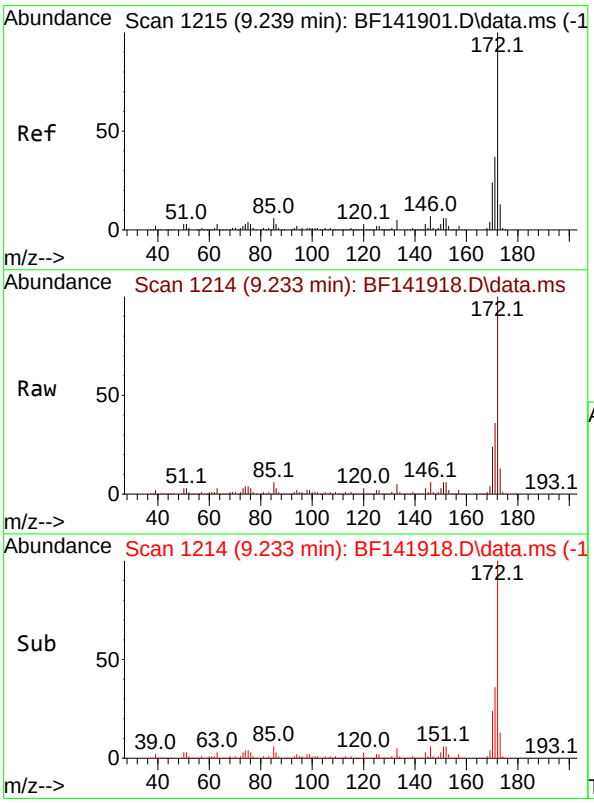
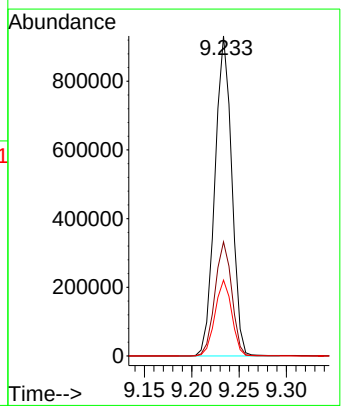
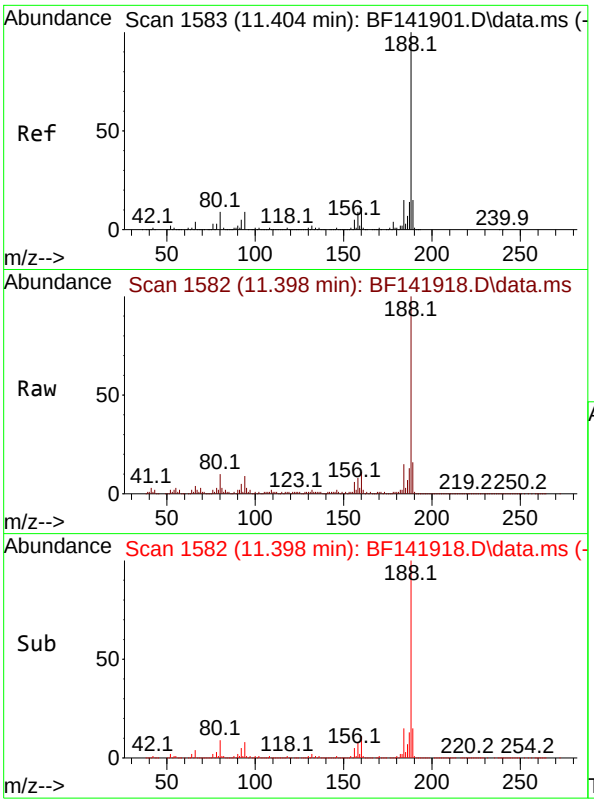


#45
2-Fluorobiphenyl
Concen: 58.617 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:172 Resp: 1157452

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.3	43.9
170	23.7	19.4	29.0

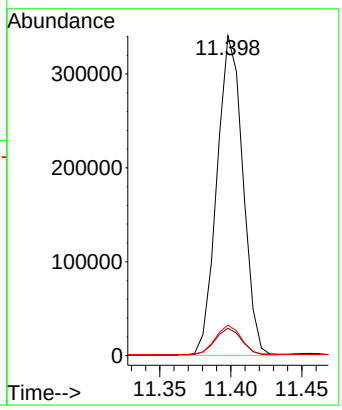




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:188 Resp: 43130

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.8	10.2
80	9.5	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

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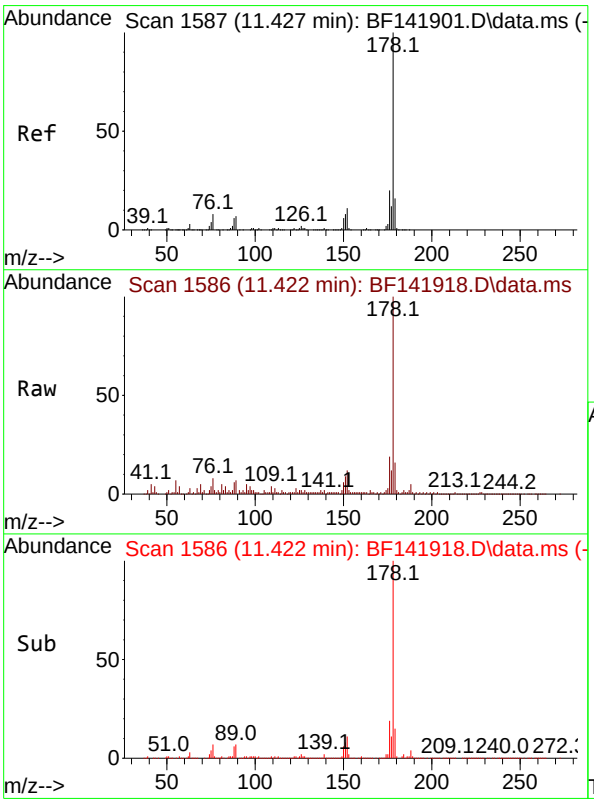
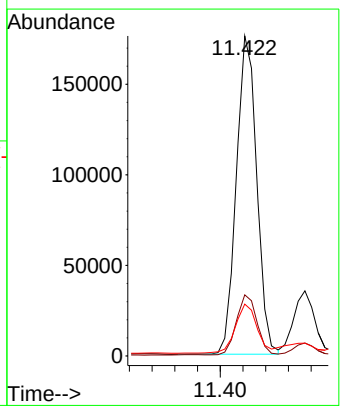
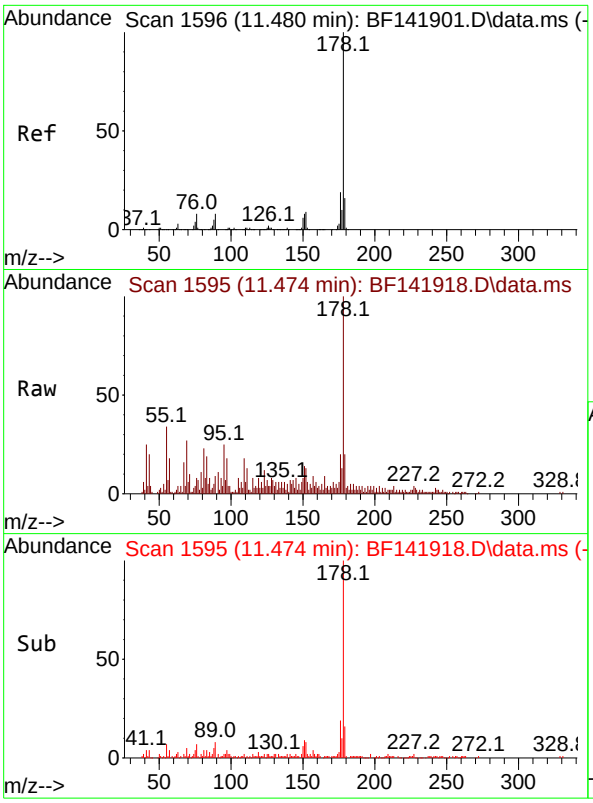


#71
Phenanthrene
Concen: 9.414 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:178 Resp: 219318

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.2	12.6	19.0

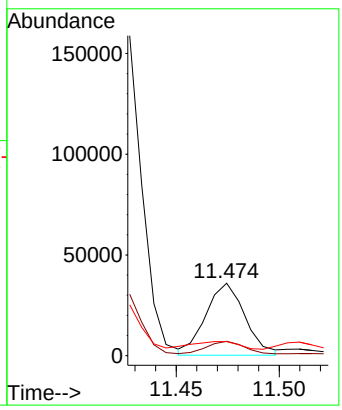




#72
Anthracene
Concen: 2.021 ng m
RT: 11.474 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:178 Resp: 4723

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.1	22.7
179	19.5	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Manual Integrations
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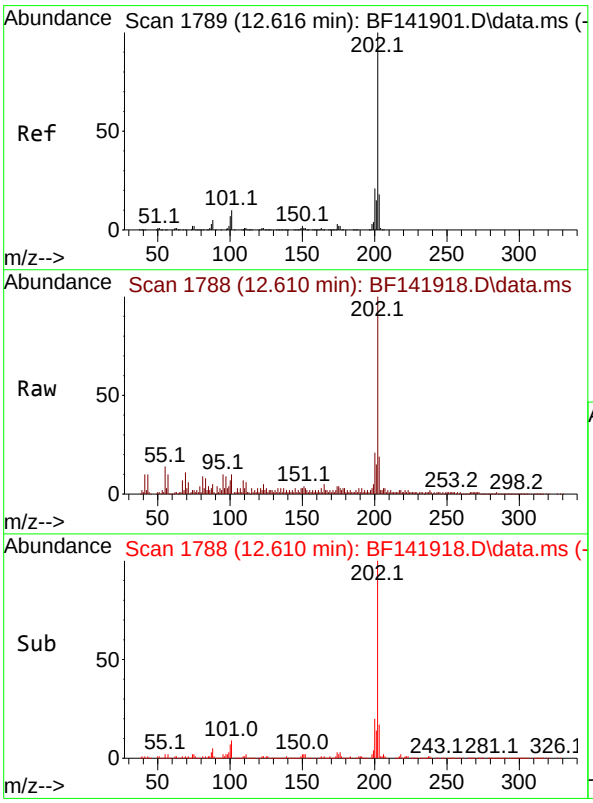
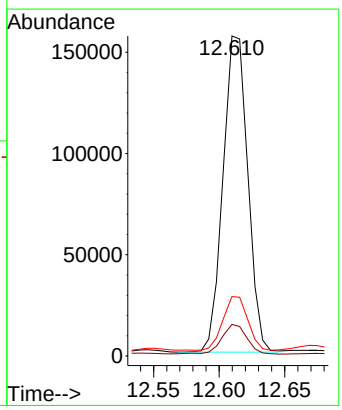
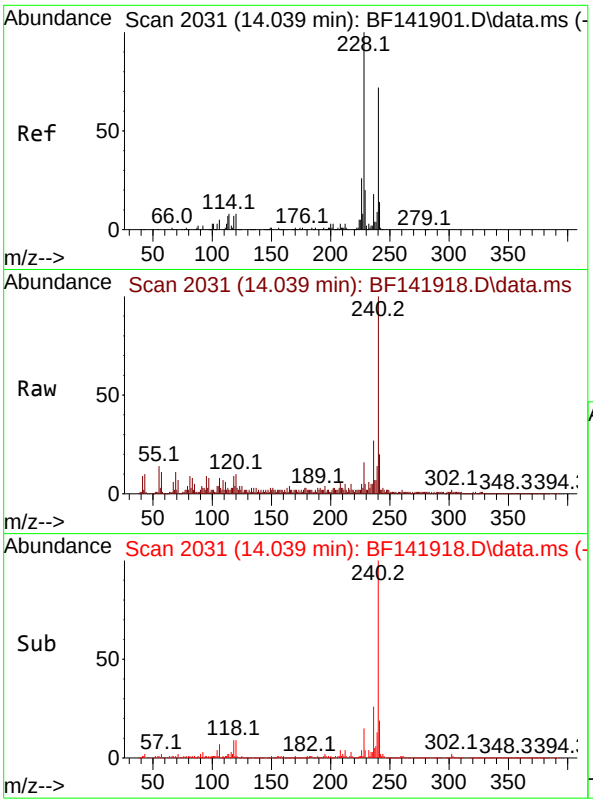


#75
Fluoranthene
Concen: 8.322 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:202 Resp: 205658

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.7
203	18.5	0.0	37.8

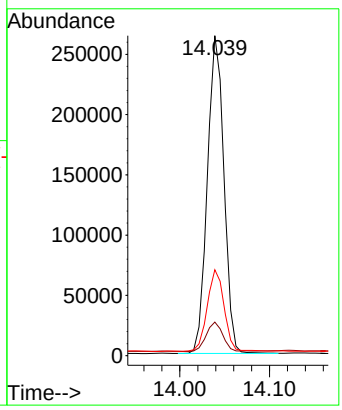




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:240 Resp: 33834

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	26.9	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

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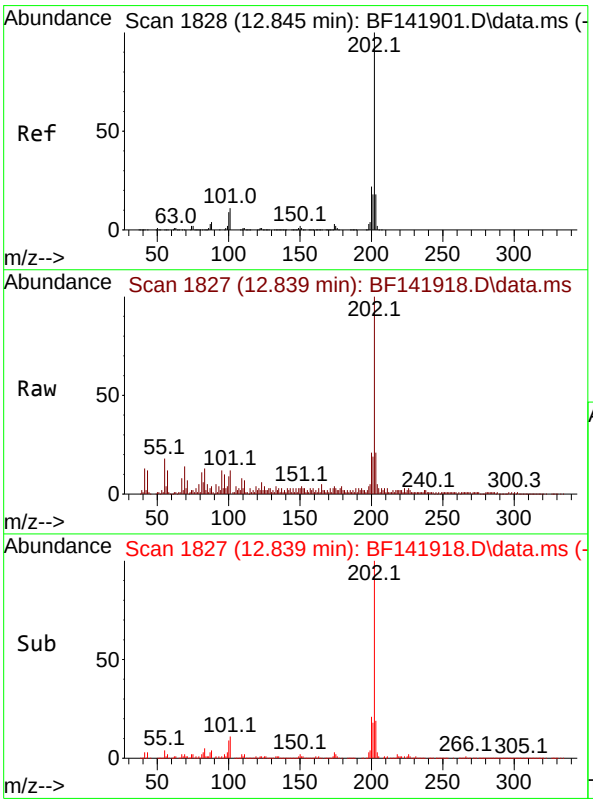
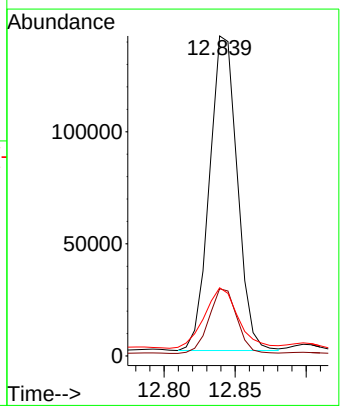
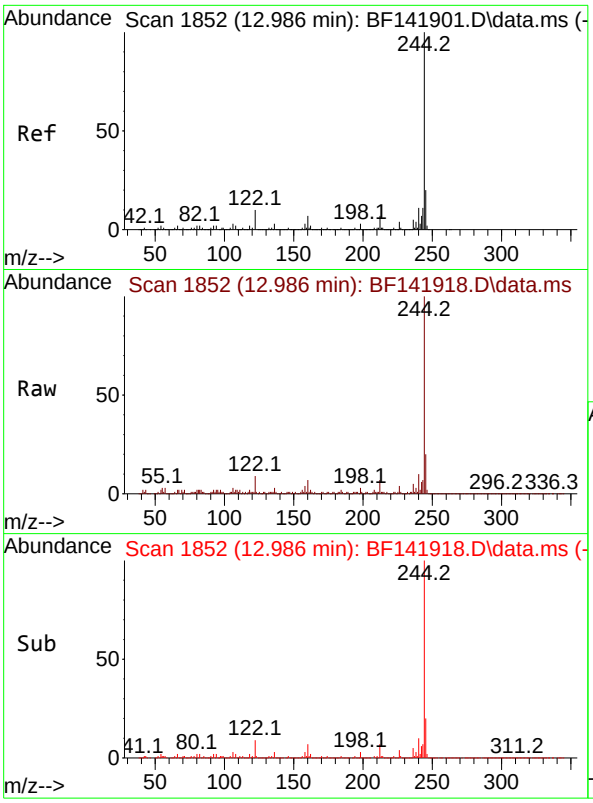


#78
Pyrene
Concen: 6.519 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:202 Resp: 190783

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.3	25.9
203	21.3	14.4	21.6

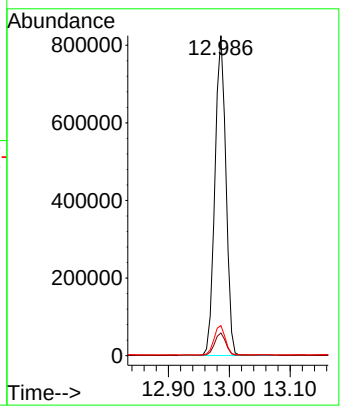




#79
Terphenyl-d14
Concen: 44.982 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:244 Resp: 102942

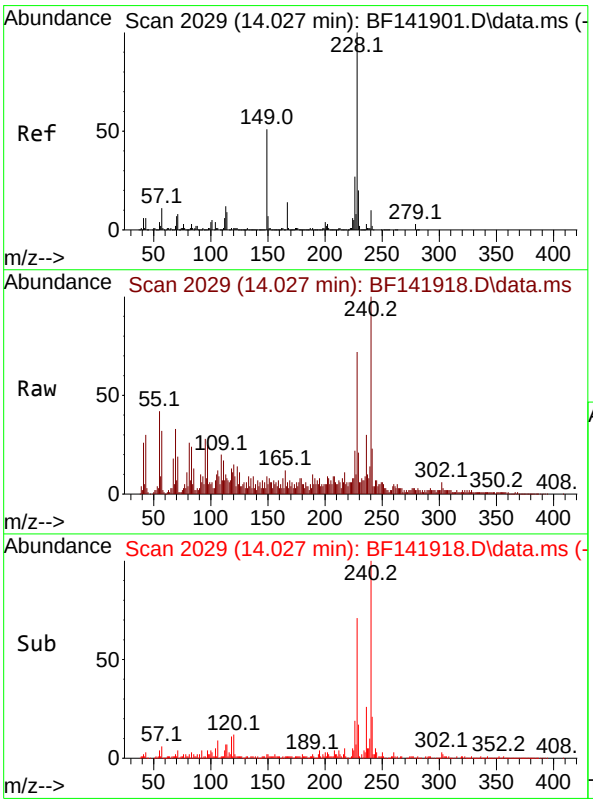
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	9.4	7.7	11.5



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Manual Integrations
APPROVED

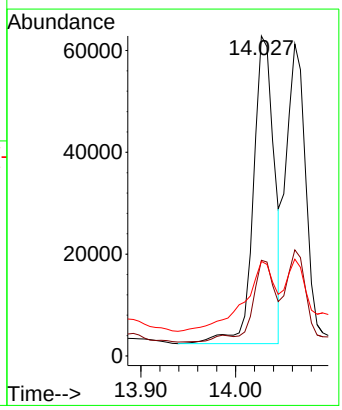
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

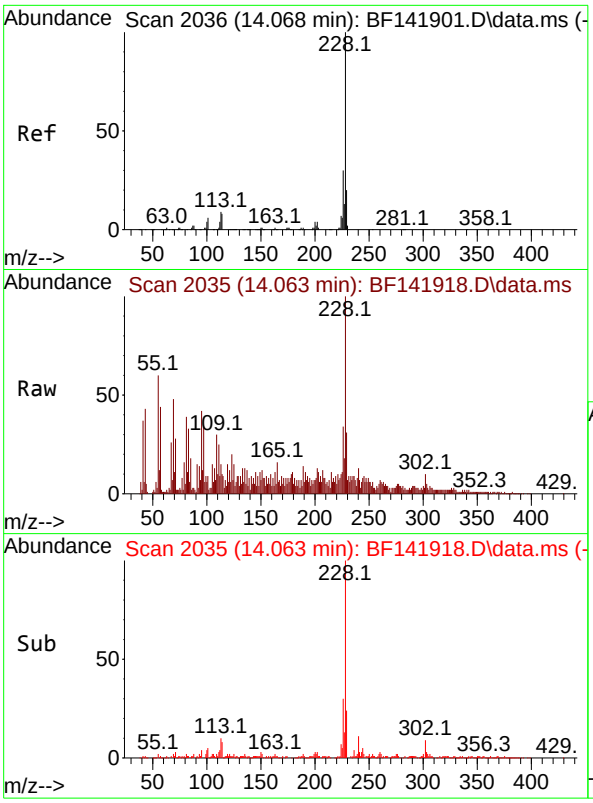


#81
Benzo(a)anthracene
Concen: 4.156 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:228 Resp: 92270

Ion	Ratio	Lower	Upper
228	100		
226	29.9	21.8	32.8
229	29.5	16.0	24.0#

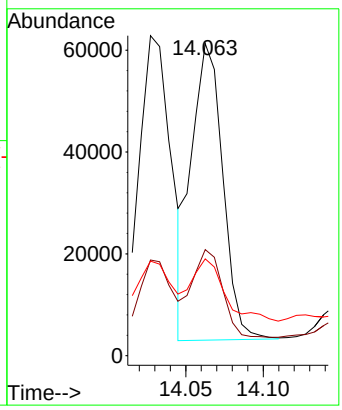




#83
Chrysene
Concen: 4.076 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:228 Resp: 8202

Ion	Ratio	Lower	Upper
228	100		
226	34.0	24.1	36.1
229	31.0	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/12/2025
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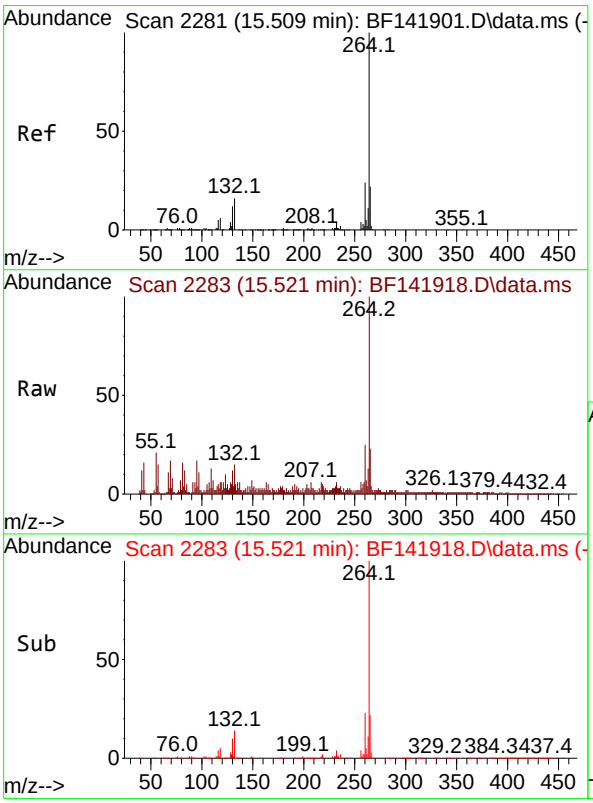
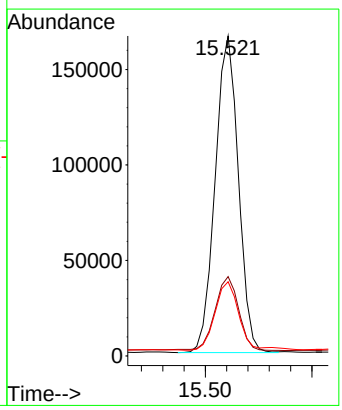
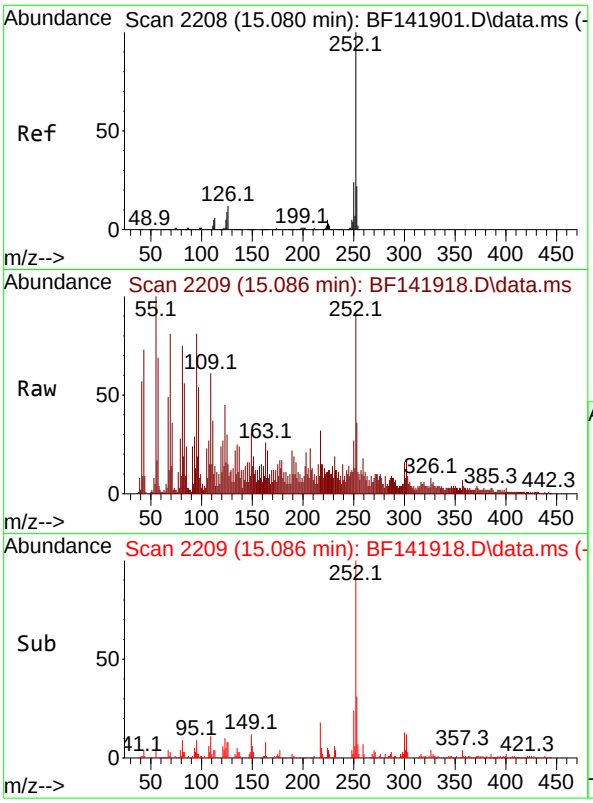


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. 0.012 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:264 Resp: 250489

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.1	28.7
265	23.2	17.5	26.3

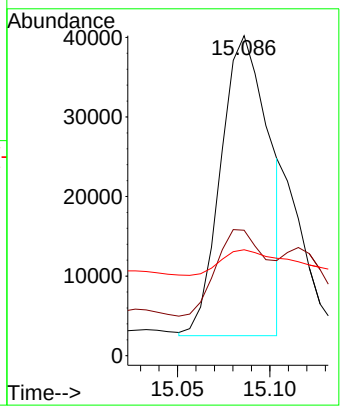




#88
Benzo(b)fluoranthene
Concen: 3.967 ng m
RT: 15.086 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

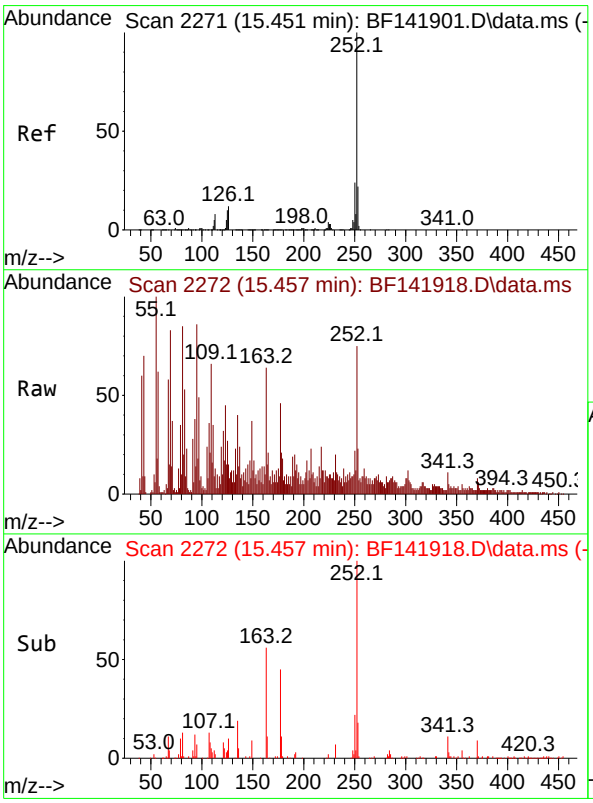
Tgt Ion:252 Resp: 6810

Ion	Ratio	Lower	Upper
252	100		
253	39.2	17.5	26.3#
125	33.1	7.0	10.4#



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

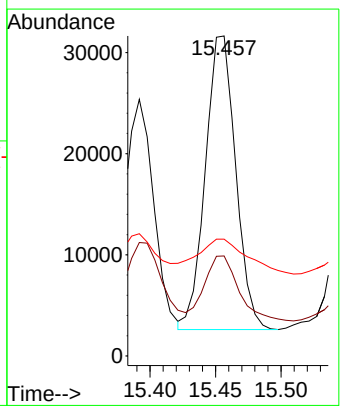
Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#90
Benzo(a)pyrene
Concen: 3.479 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:252 Resp: 46734

Ion	Ratio	Lower	Upper
252	100		
253	31.2	17.4	26.0#
125	36.5	7.8	11.8#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

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-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141918.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.152	3	10	28	rVB	827564	1364182	40.26%	5.221%
2	5.493	572	578	583	rBV	1983274	2598200	76.68%	9.944%
3	6.498	742	749	761	rBV	1898797	2588246	76.39%	9.905%
4	6.881	809	814	819	rBV	723035	900092	26.56%	3.445%
5	7.434	898	908	914	rBV	1266434	1712590	50.54%	6.554%
6	7.692	947	952	958	rVB	45801	60588	1.79%	0.232%
7	8.157	1026	1031	1050	rVB	904330	1213997	35.83%	4.646%
8	9.233	1208	1214	1219	rBV	2729029	3388387	100.00%	12.968%
9	9.310	1224	1227	1236	rVV6	17535	37102	1.09%	0.142%
10	9.916	1324	1330	1334	rBV	980245	1314184	38.78%	5.030%
11	9.945	1334	1335	1343	rVB	61847	61580	1.82%	0.236%
12	10.457	1419	1422	1429	rBV2	52761	82794	2.44%	0.317%
13	10.627	1446	1451	1455	rBV	351019	460753	13.60%	1.763%
14	10.698	1458	1463	1468	rBV	1476226	1854025	54.72%	7.096%
15	10.822	1480	1484	1492	rBV2	103331	181443	5.35%	0.694%
16	11.263	1556	1559	1562	rBV	99480	131939	3.89%	0.505%
17	11.292	1562	1564	1570	rVB	97821	125911	3.72%	0.482%
18	11.398	1578	1582	1585	rBV	855017	1222949	36.09%	4.680%
19	11.692	1629	1632	1636	rVB	154492	173624	5.12%	0.664%
20	11.922	1668	1671	1677	rVB2	404997	545663	16.10%	2.088%
21	12.098	1698	1701	1705	rVB	193850	221818	6.55%	0.849%
22	12.486	1764	1767	1773	rVB2	325416	488302	14.41%	1.869%
23	12.610	1785	1788	1794	rVB	308555	400857	11.83%	1.534%
24	12.845	1824	1828	1835	rVB2	304324	659078	19.45%	2.522%
25	12.986	1847	1852	1859	rVB	2145720	2799509	82.62%	10.714%
26	13.216	1889	1891	1896	rVB2	262396	309009	9.12%	1.183%
27	14.039	2027	2031	2039	rBV2	792491	1232660	36.38%	4.718%

Sum of corrected areas: 26129482

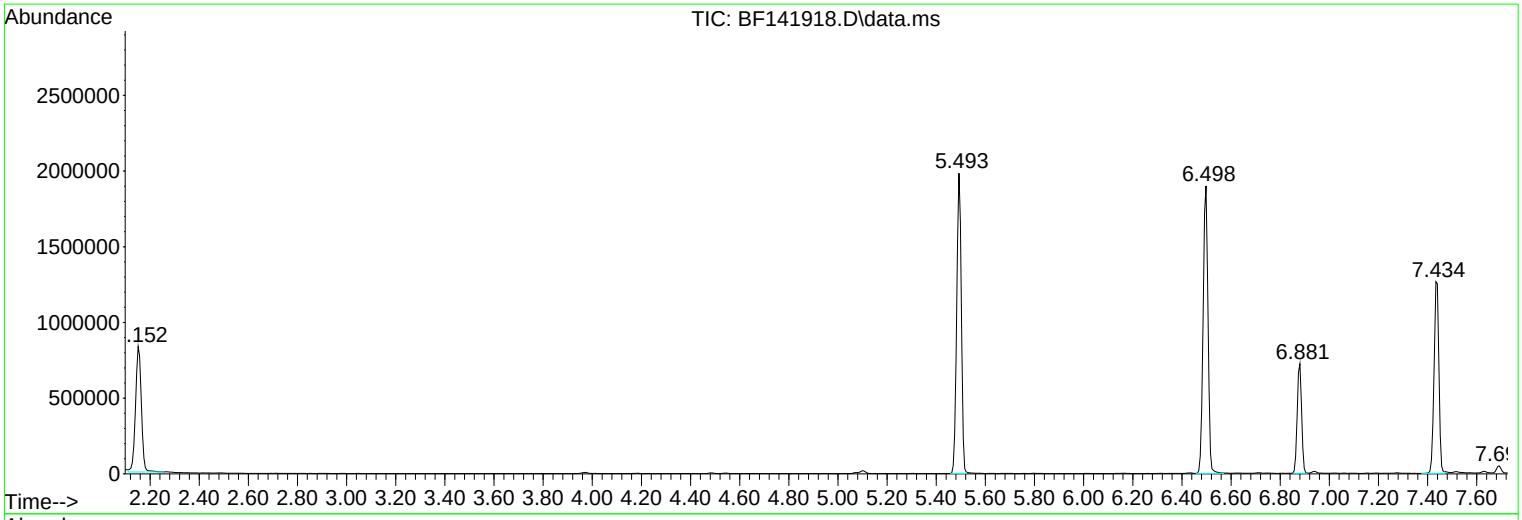
Sample Results: **BF141918.D**

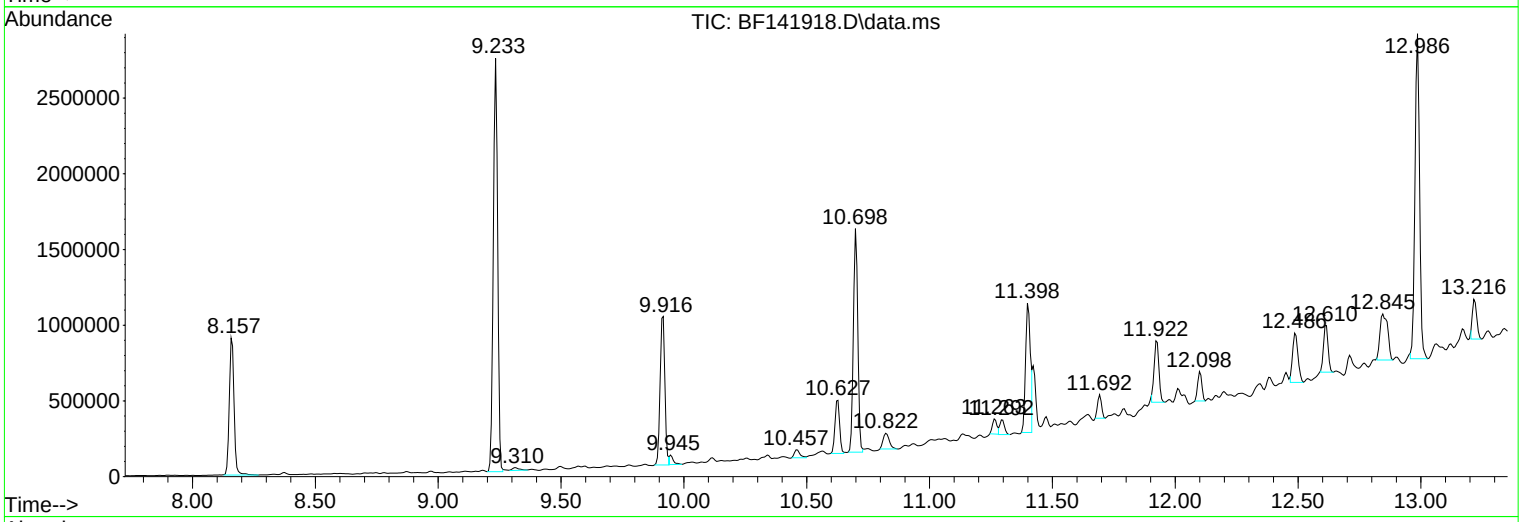
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

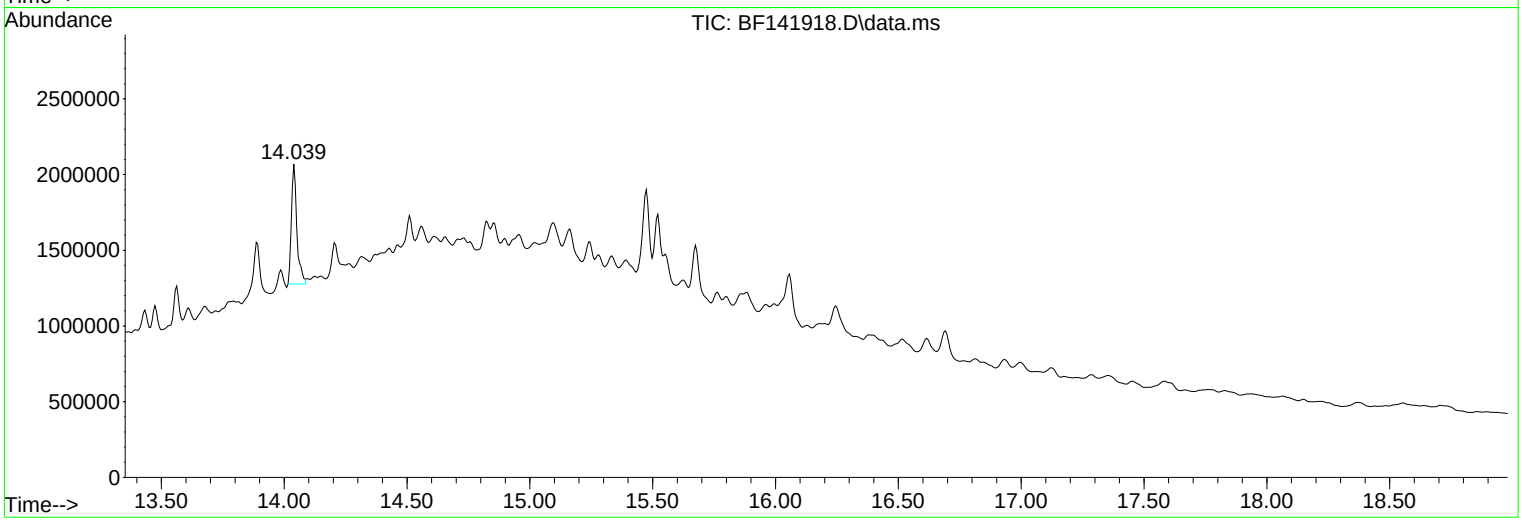
Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

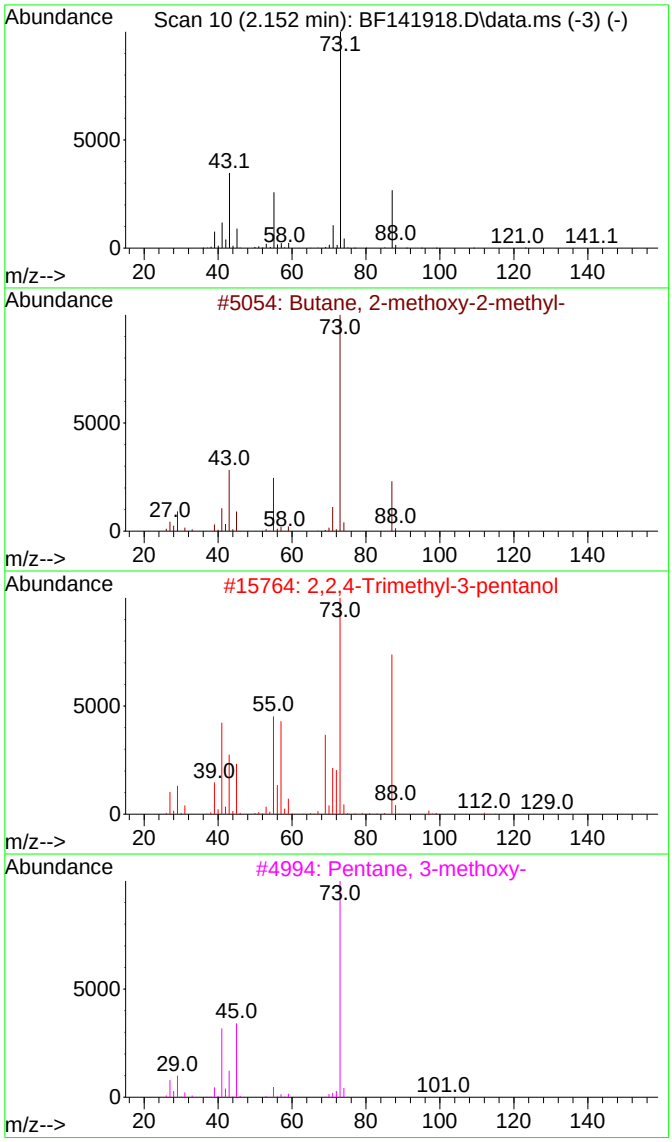
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

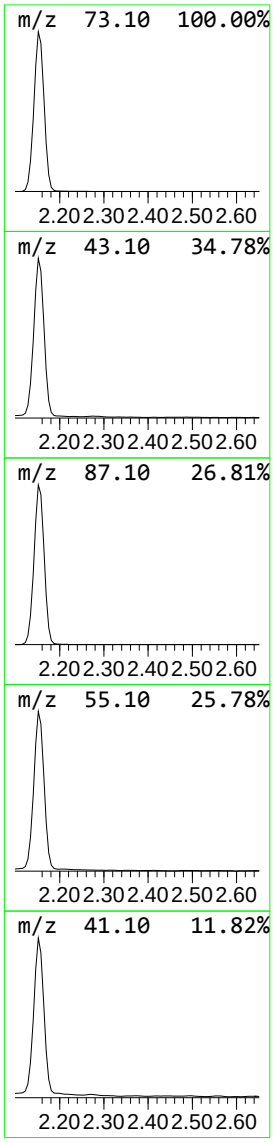
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.152	30.31 ng	1364180	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

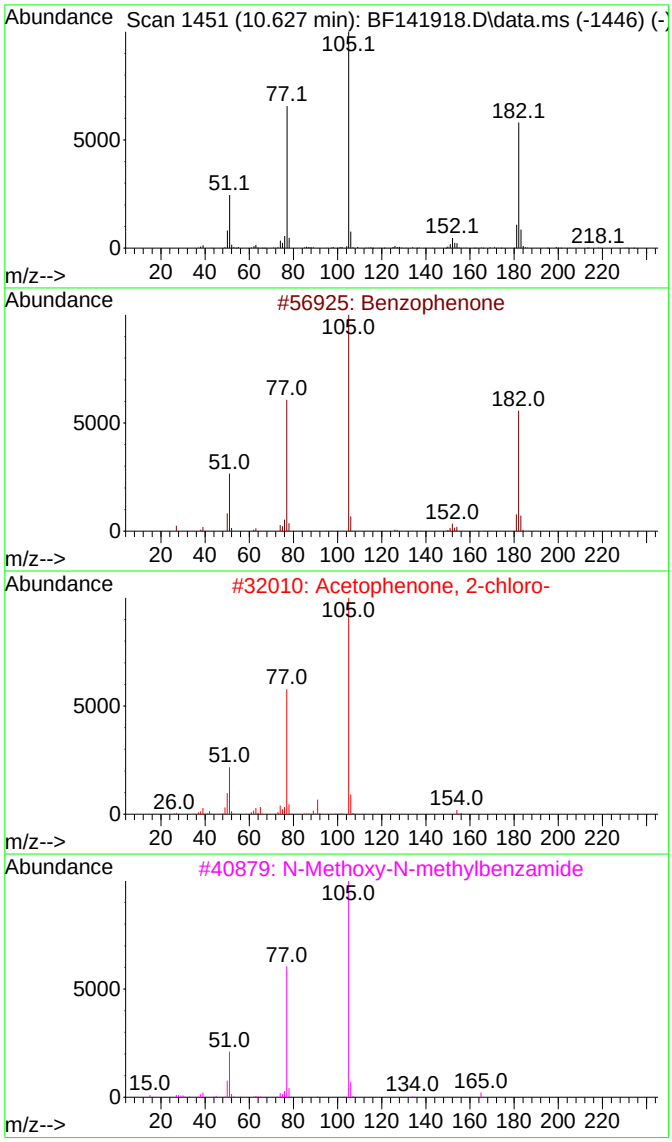
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

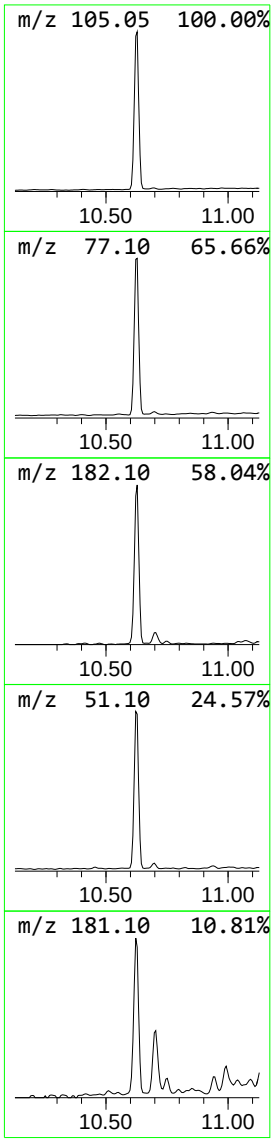
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	7.01 ng	460753	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
4	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
5	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

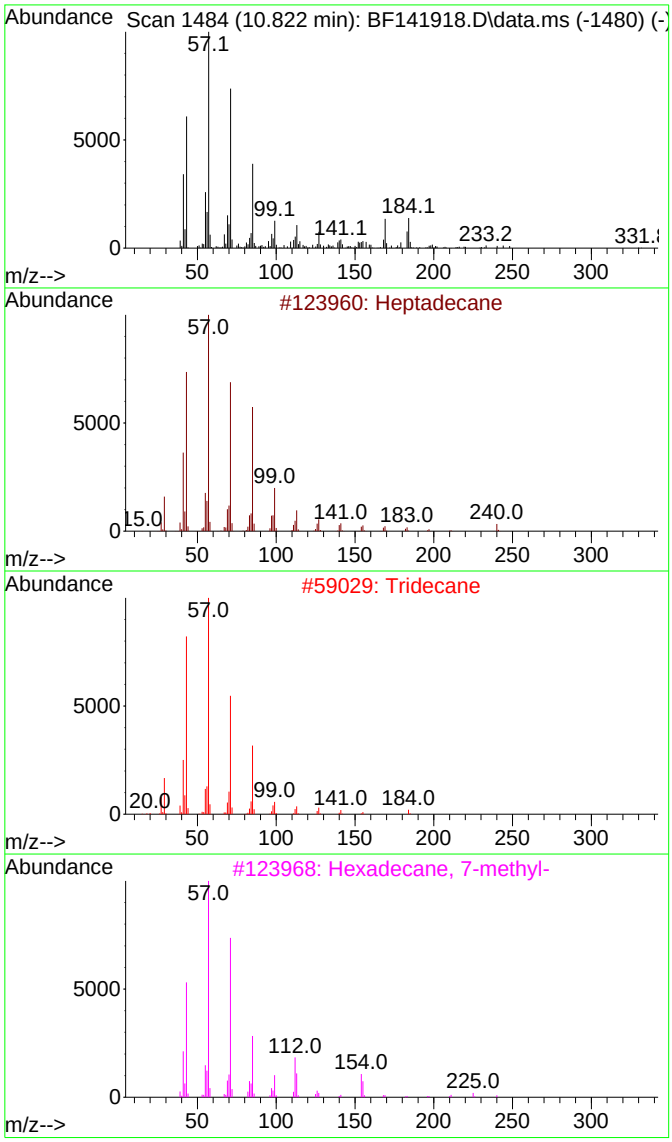
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

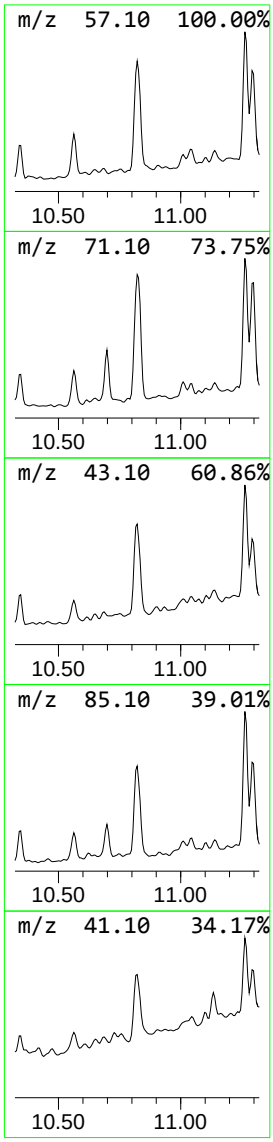
****

Peak Number 3 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.822	2.97 ng	181443	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Tridecane	184	C13H28	000629-50-5	87
3	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	87
4	Dodecane	170	C12H26	000112-40-3	87
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

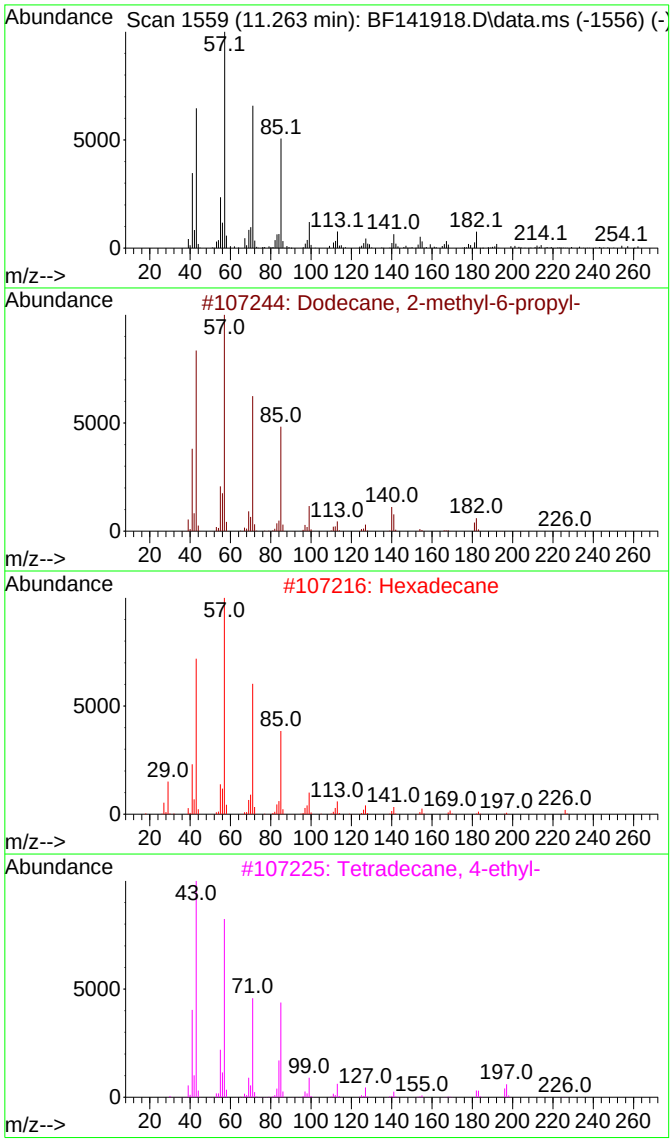
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

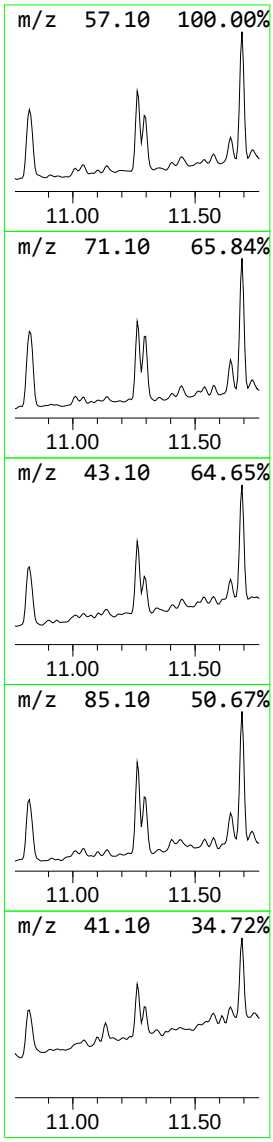
****

Peak Number 4 Dodecane, 2-methyl-6-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.263	2.16 ng	131939	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	91
2	Hexadecane	226	C16H34	000544-76-3	87
3	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	83
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
5	Tetradecane	198	C14H30	000629-59-4	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

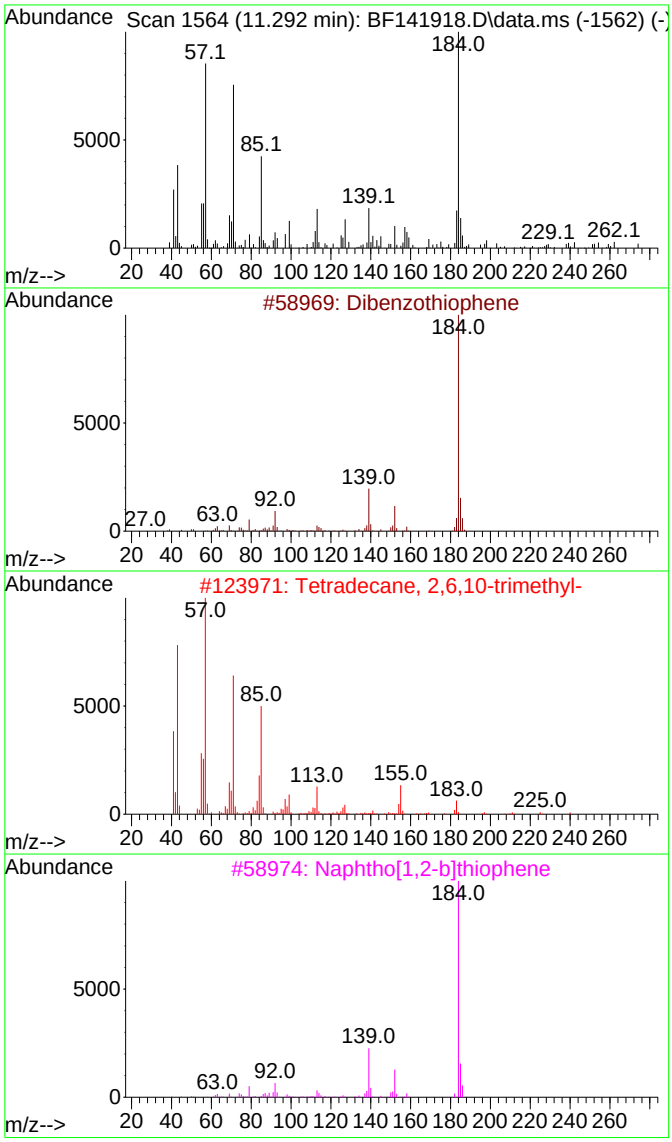
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

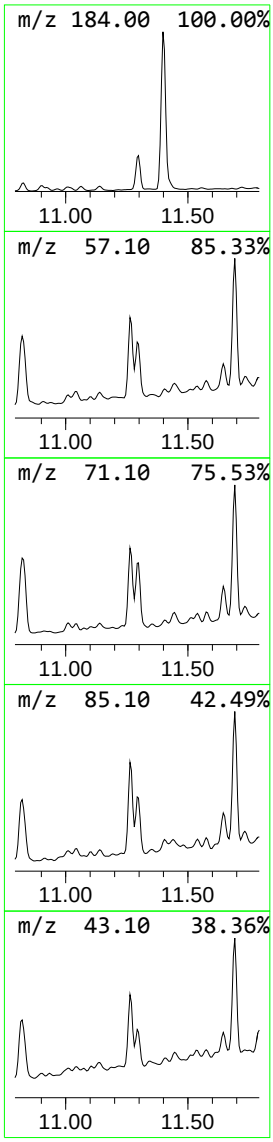
****

Peak Number 5 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.292	2.06 ng	125911	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	83
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	46
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	46
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	46
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

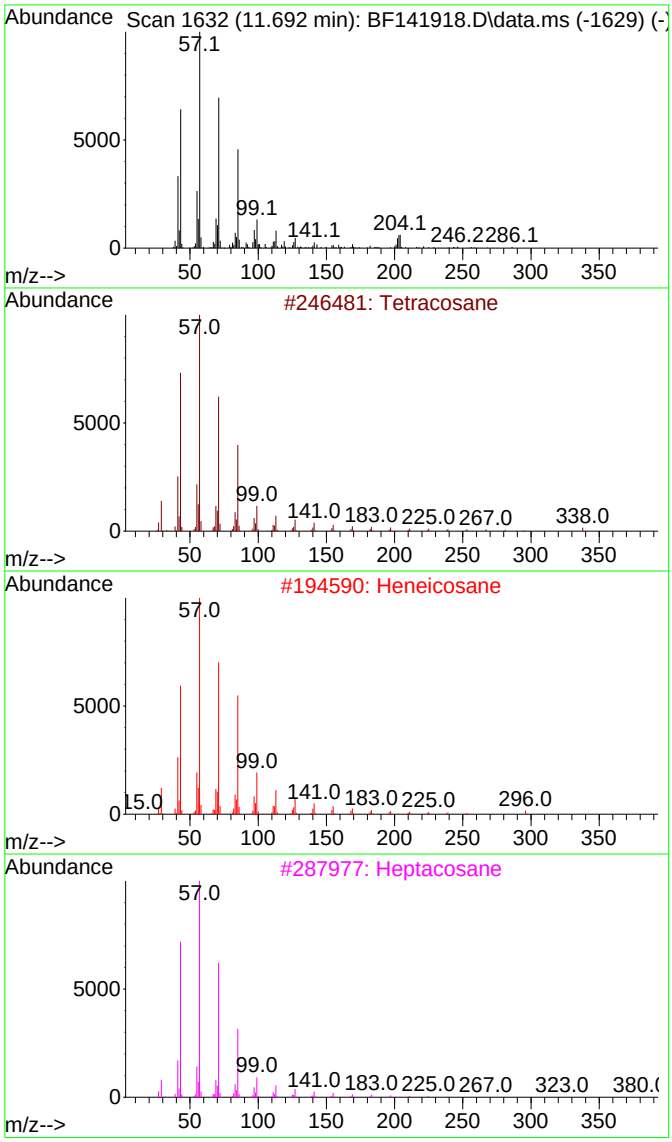
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

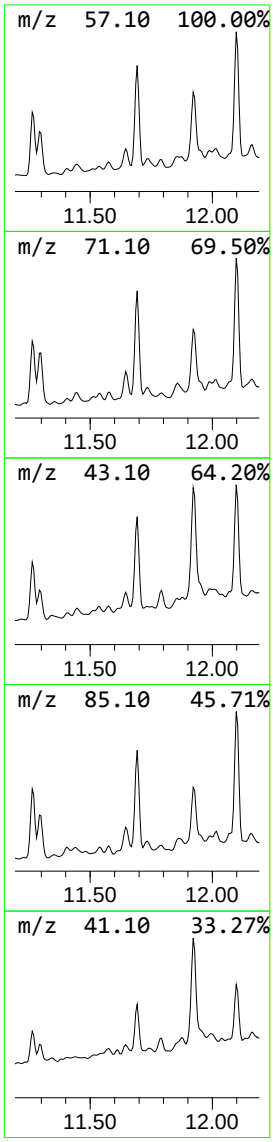
****

Peak Number 6 Tetracosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.692	2.84 ng	173624	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	87
2	Heneicosane	296	C21H44	000629-94-7	87
3	Heptacosane	380	C27H56	000593-49-7	87
4	Octadecane	254	C18H38	000593-45-3	86
5	Heptadecane	240	C17H36	000629-78-7	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

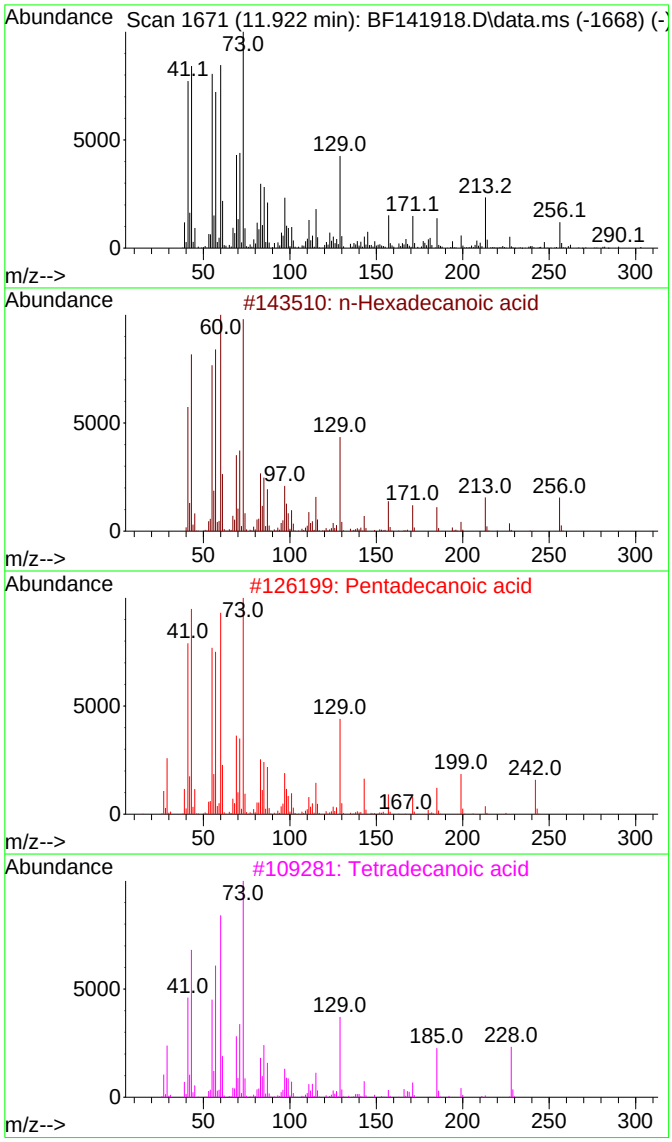
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

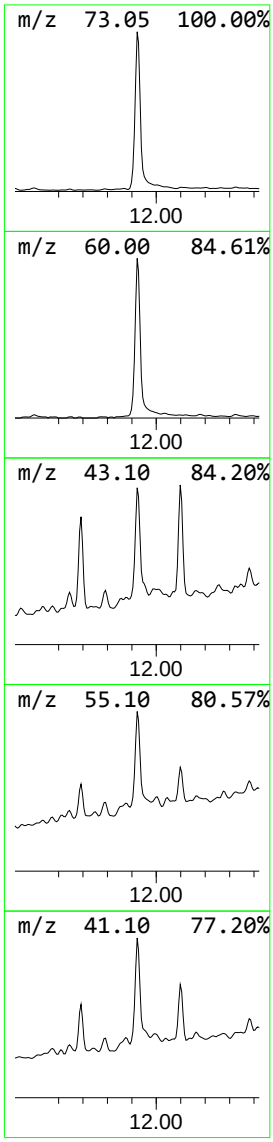
****

Peak Number 7 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	8.92 ng	545663	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	Octadecanoic acid	284	C18H36O2	000057-11-4	87
5	Tridecanoic acid	214	C13H26O2	000638-53-9	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

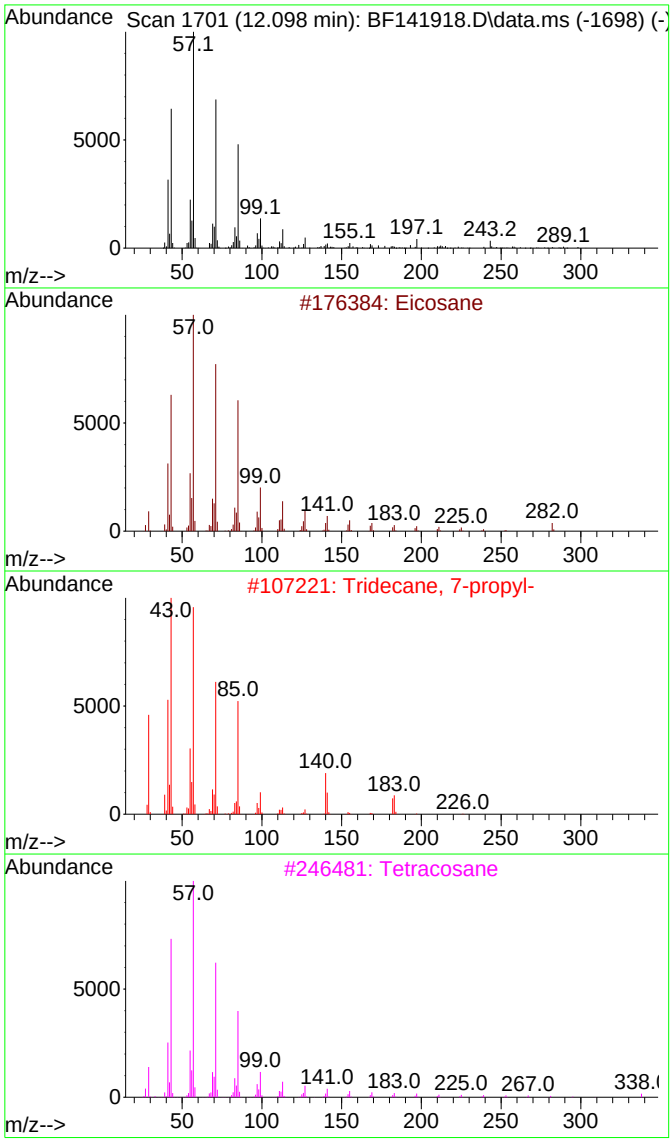
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

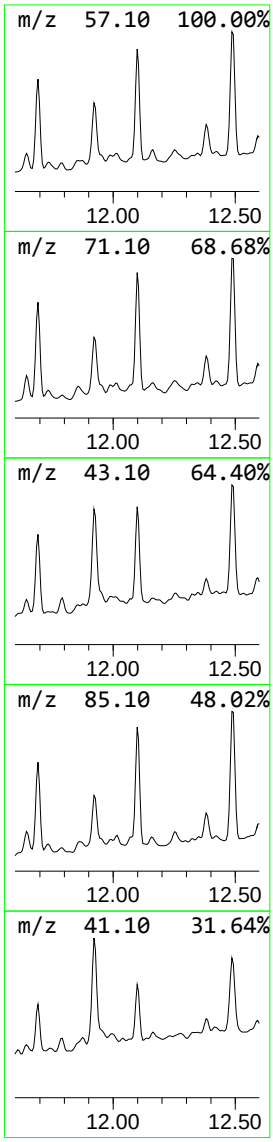
****

Peak Number 8 Eicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	3.63 ng	221818	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Tridecane, 7-propyl-	226	C16H34	055045-09-5	90
3	Tetracosane	338	C24H50	000646-31-1	87
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	87
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

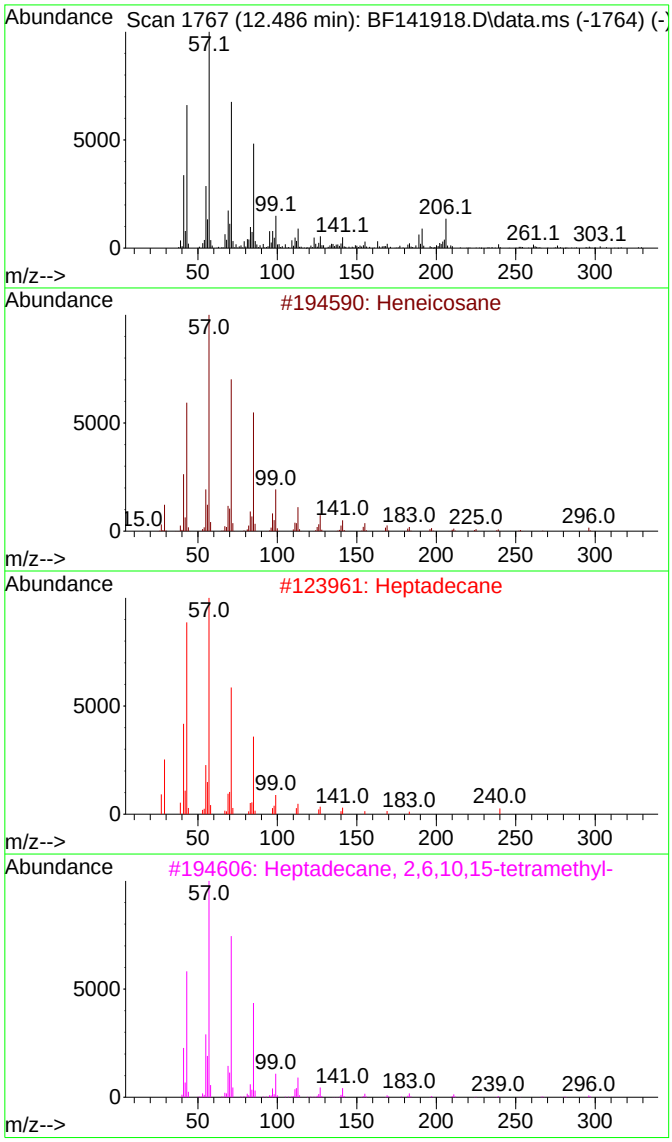
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

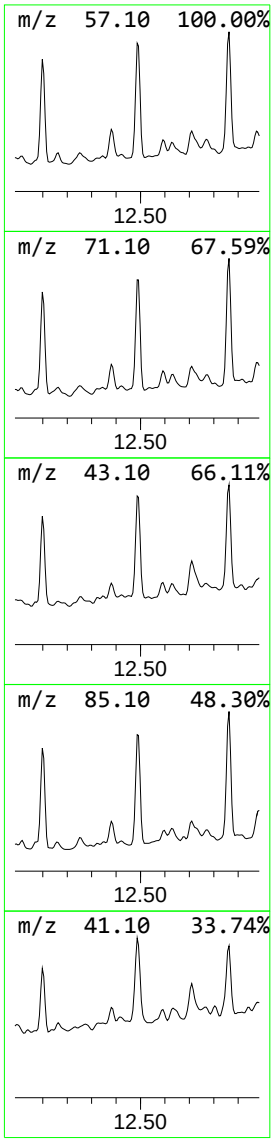
****

Peak Number 9 Heneicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	7.99 ng	488302	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Heptadecane	240	C17H36	000629-78-7	95
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
4	Eicosane	282	C20H42	000112-95-8	76
5	Hexacosane	366	C26H54	000630-01-3	76





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Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

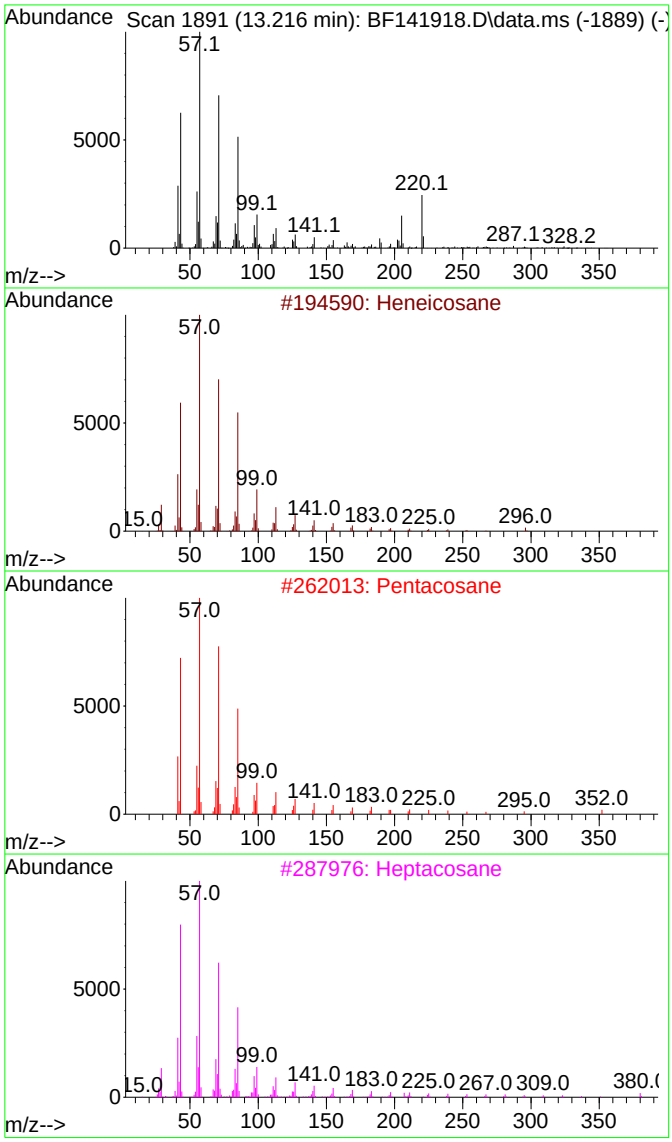
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

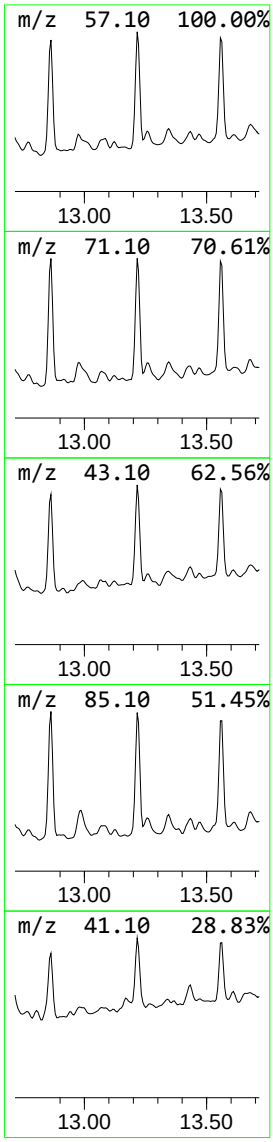
****

Peak Number 10 Pentacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.216	5.01 ng	309009	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Pentacosane	352	C25H52	000629-99-2	76
3	Heptacosane	380	C27H56	000593-49-7	76
4	Heptadecane	240	C17H36	000629-78-7	76
5	Hexacosane	366	C26H54	000630-01-3	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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...	2.152	30.3	ng	1364180	1	6.881	900092	20.0
Benzophenone	10.628	7.0	ng	460753	3	9.916	1314180	20.0
Heptadecane	10.822	3.0	ng	181443	4	11.398	1222950	20.0
Dodecane, 2-met...	11.263	2.2	ng	131939	4	11.398	1222950	20.0
Dibenzothiophene	11.292	2.1	ng	125911	4	11.398	1222950	20.0
Tetracosane	11.692	2.8	ng	173624	4	11.398	1222950	20.0
n-Hexadecanoic ...	11.922	8.9	ng	545663	4	11.398	1222950	20.0
Eicosane	12.098	3.6	ng	221818	4	11.398	1222950	20.0
Heneicosane	12.486	8.0	ng	488302	4	11.398	1222950	20.0
Pentacosane	13.216	5.0	ng	309009	5	14.039	1232660	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Time: Mar 07 22:56:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

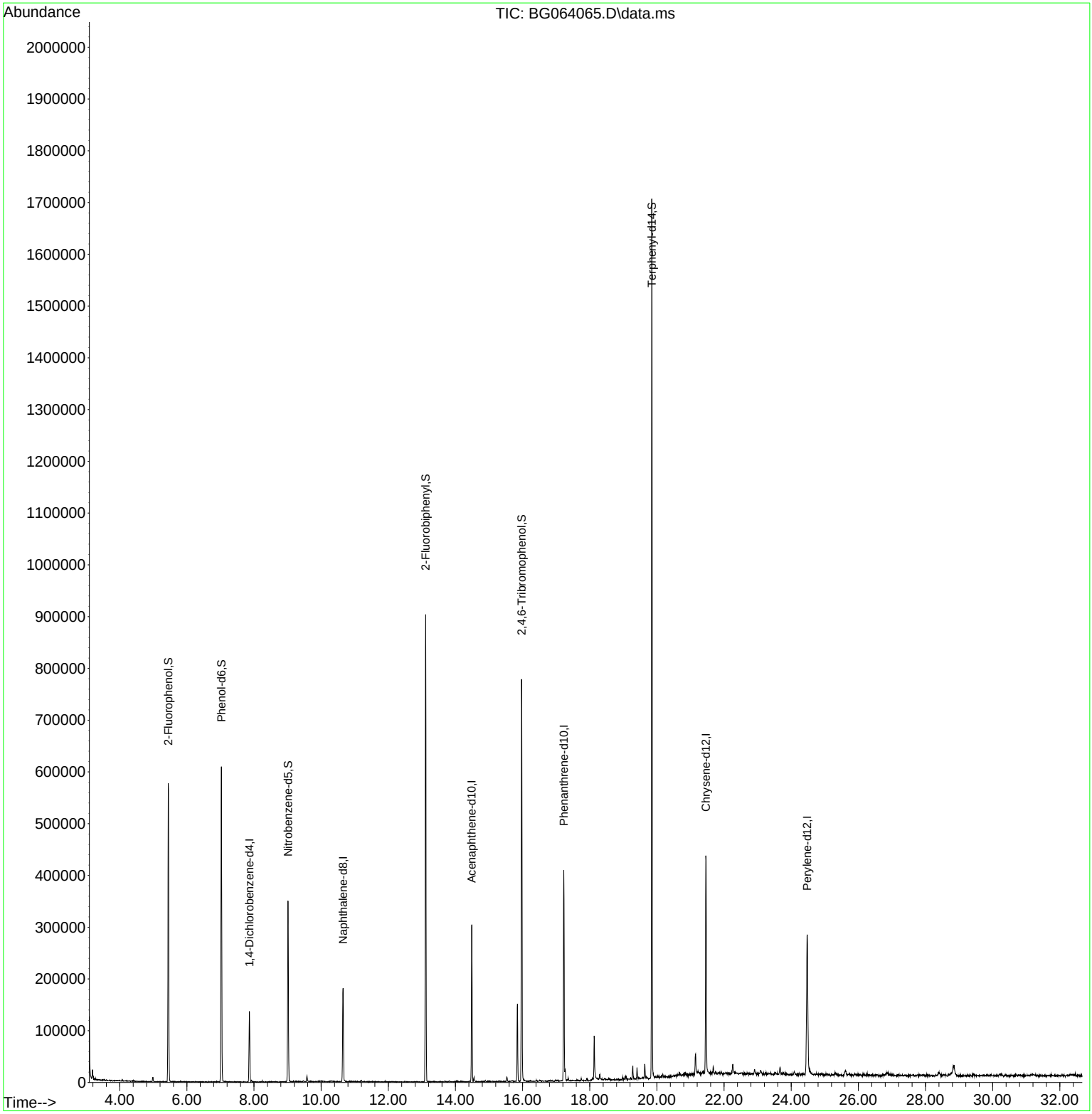
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	32518	20.000	ng	0.00
21) Naphthalene-d8	10.652	136	142122	20.000	ng	# 0.00
39) Acenaphthene-d10	14.483	164	99745	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	240718	20.000	ng	0.00
76) Chrysene-d12	21.457	240	246568	20.000	ng	0.00
86) Perylene-d12	24.477	264	266034	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	220587	105.921	ng	0.00
7) Phenol-d6	7.027	99	290337	102.481	ng	0.00
23) Nitrobenzene-d5	9.013	82	177550	69.038	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	130891	118.054	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	433761	66.008	ng	0.00
79) Terphenyl-d14	19.847	244	782644	64.181	ng	0.00
Target Compounds						Qvalue

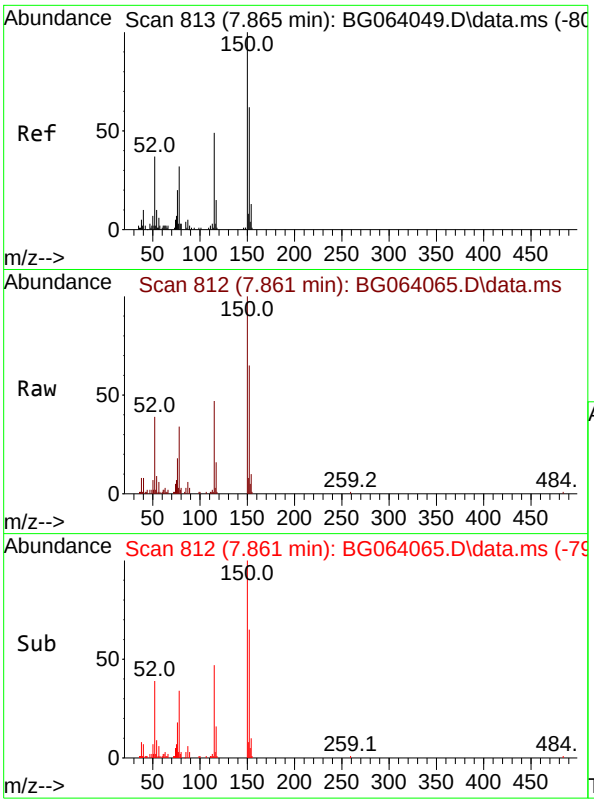
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Time: Mar 07 22:56:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



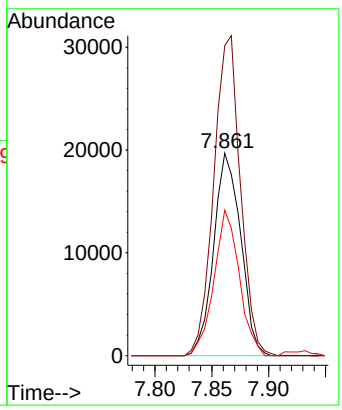


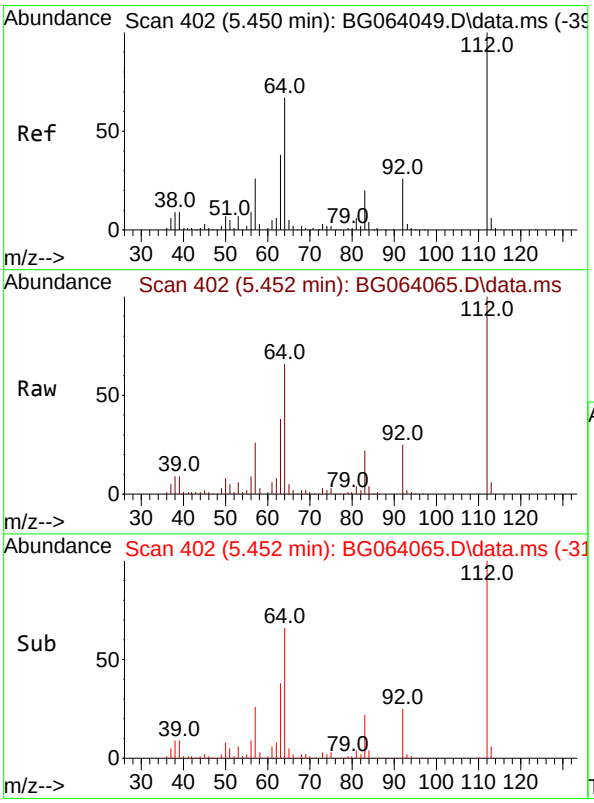
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:152 Resp: 32518

Ion	Ratio	Lower	Upper
152	100		
150	153.3	129.2	193.8
115	71.9	63.0	94.6

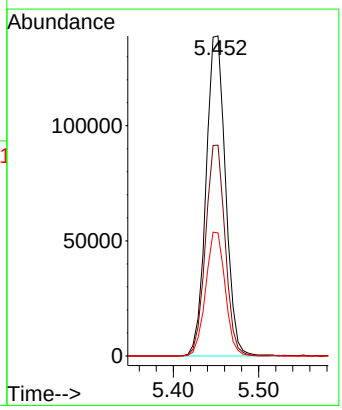


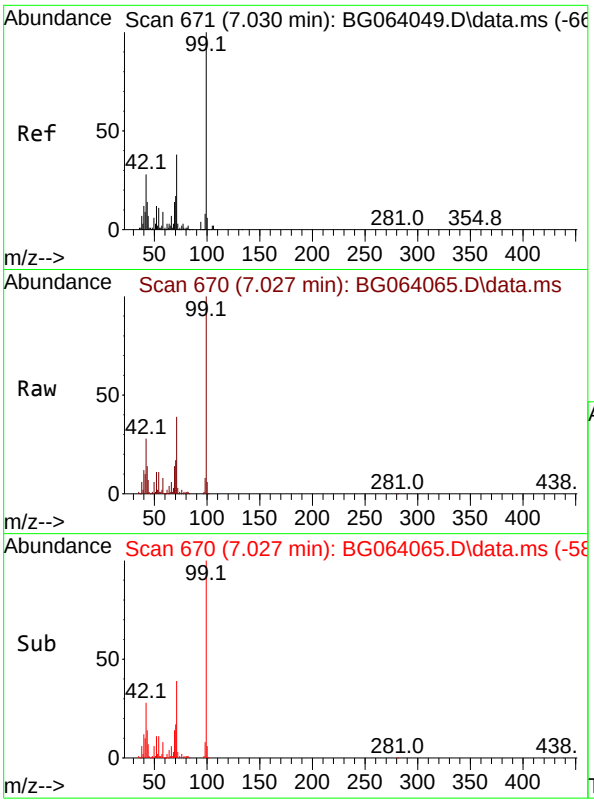


#5
2-Fluorophenol
Concen: 105.921 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Tgt Ion:112 Resp: 220587

Ion	Ratio	Lower	Upper
112	100		
64	65.9	53.7	80.5
63	38.4	30.2	45.4



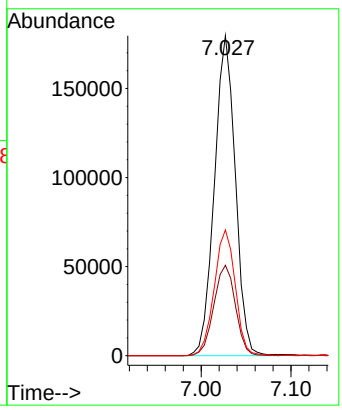


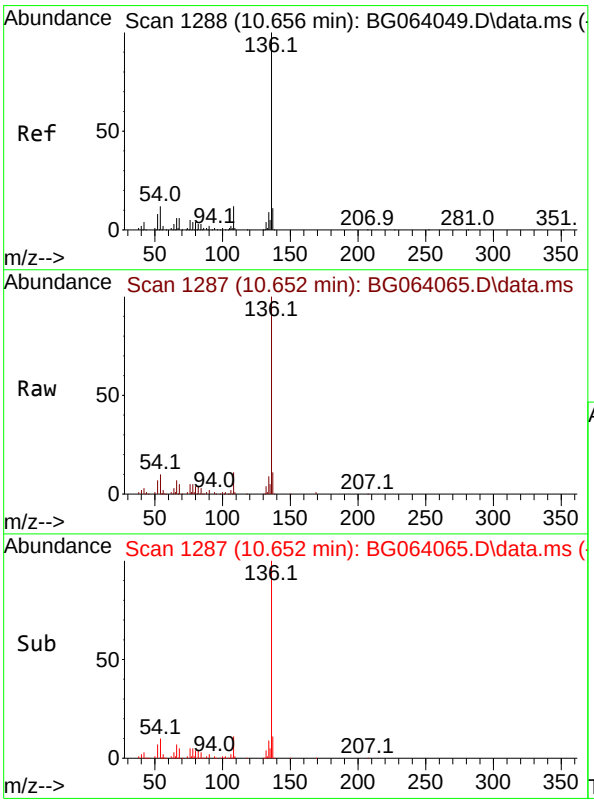
#7
Phenol-d6
Concen: 102.481 ng
RT: 7.027 min Scan# 6
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion: 99 Resp: 290337

Ion	Ratio	Lower	Upper
99	100		
42	28.3	22.7	34.1
71	39.3	30.6	46.0

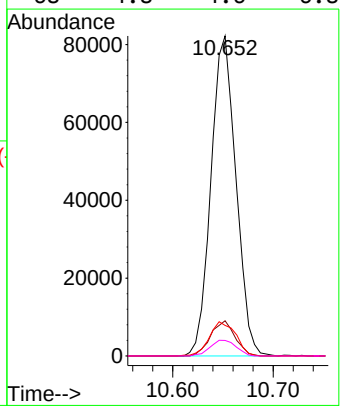


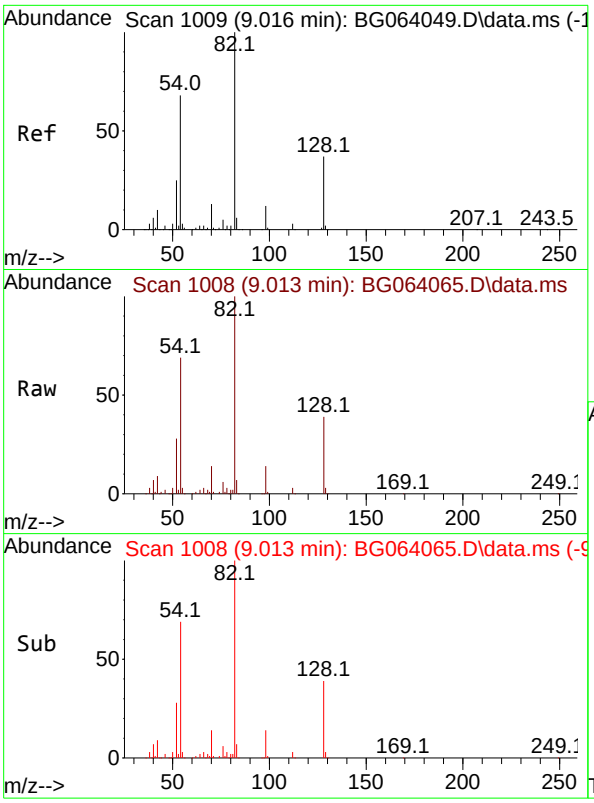


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1287
Delta R.T. -0.004 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Tgt Ion:136 Resp: 142122

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	9.6	9.9	14.9#
68	4.8	4.6	6.8



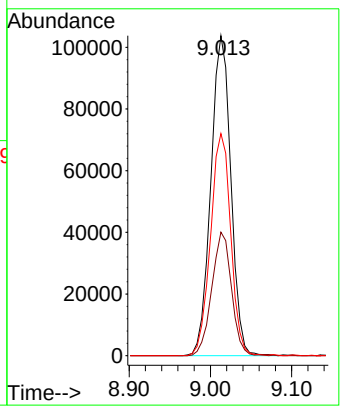


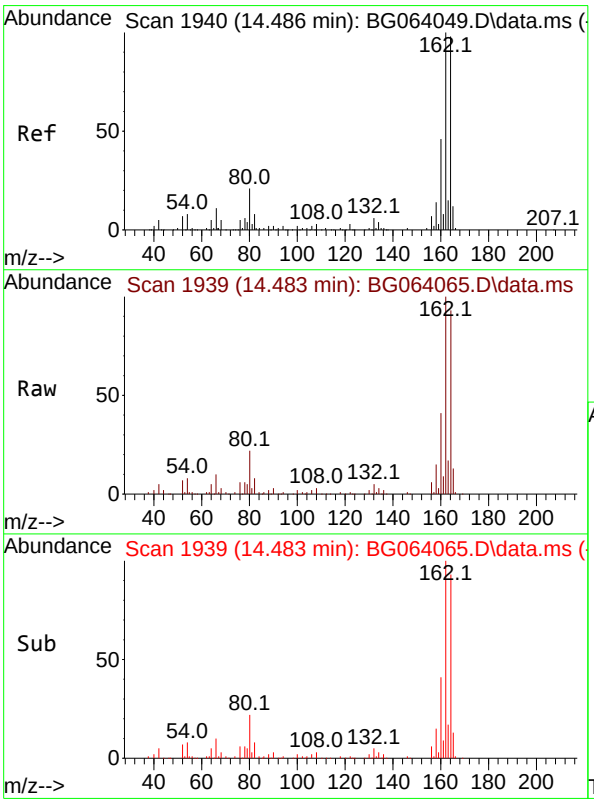
#23
Nitrobenzene-d5
Concen: 69.038 ng
RT: 9.013 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion: 82 Resp: 177550

Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.0	45.0
54	69.4	54.7	82.1

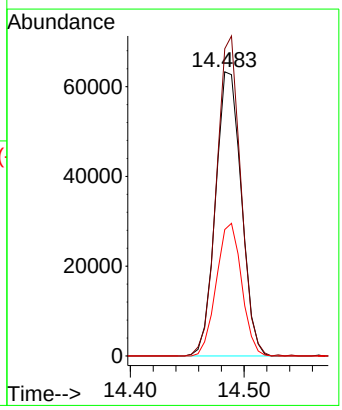


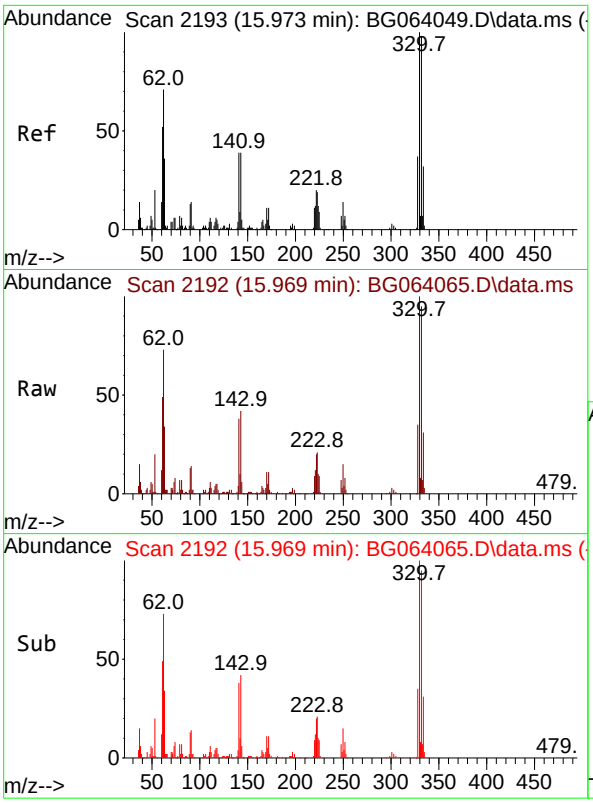


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Tgt Ion:164 Resp: 99745

Ion	Ratio	Lower	Upper
164	100		
162	108.1	81.4	122.0
160	44.5	37.0	55.6



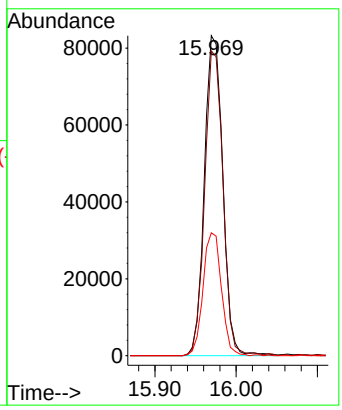


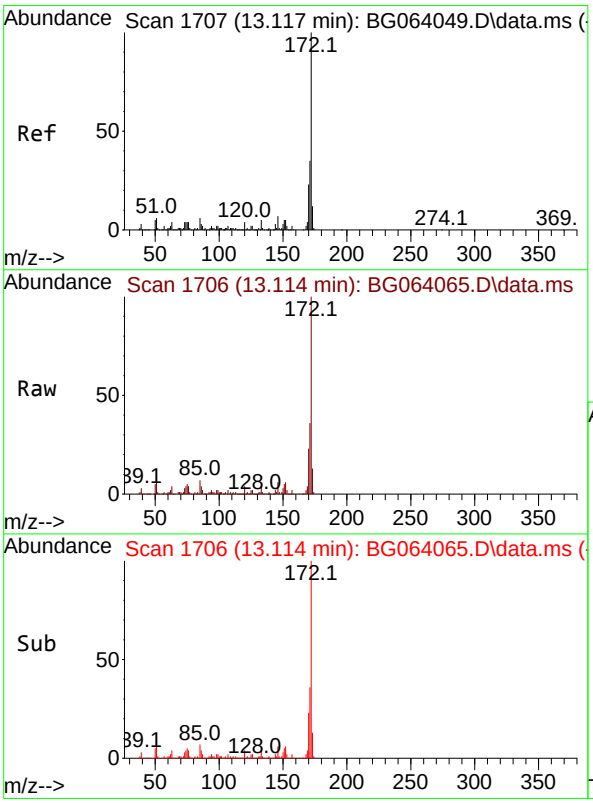
#42
2,4,6-Tribromophenol
Concen: 118.054 ng
RT: 15.969 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:330 Resp: 130891

Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.7	115.1
141	38.3	29.7	44.5

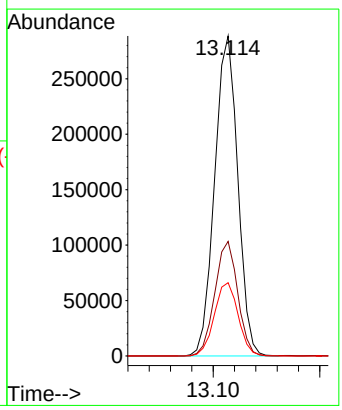


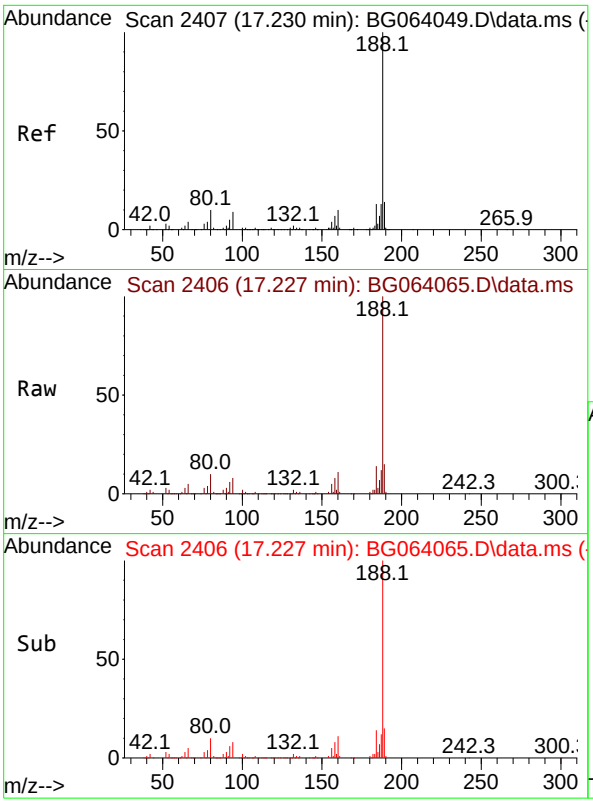


#45
2-Fluorobiphenyl
Concen: 66.008 ng
RT: 13.114 min Scan# 1706
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Tgt Ion:172 Resp: 433761

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.0	42.0
170	22.9	18.7	28.1



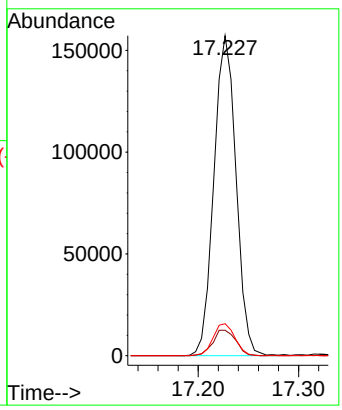


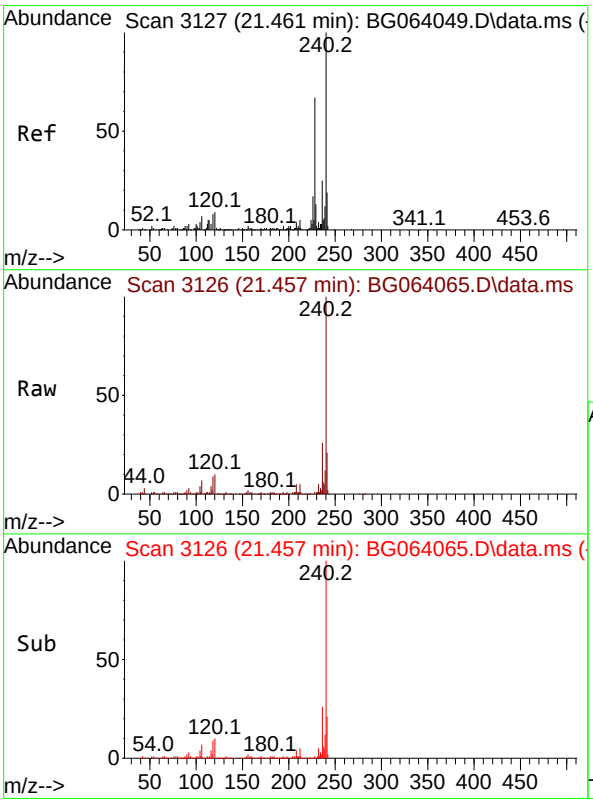
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:188 Resp: 240718

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	10.0	8.1	12.1

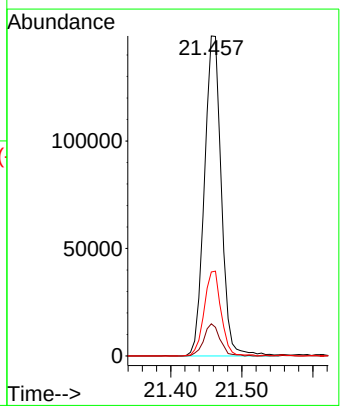


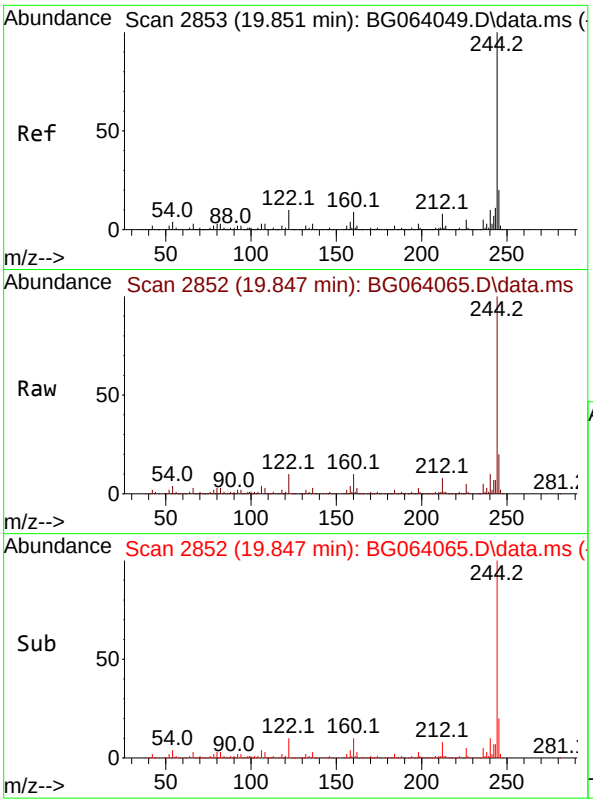


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Tgt Ion:240 Resp: 246568

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.2	10.8
236	26.3	20.2	30.2



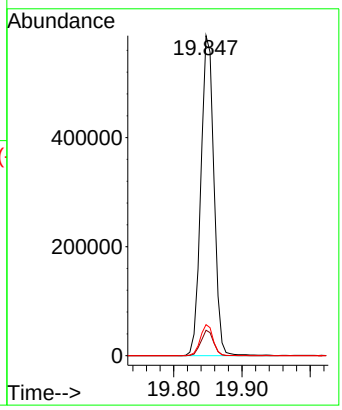


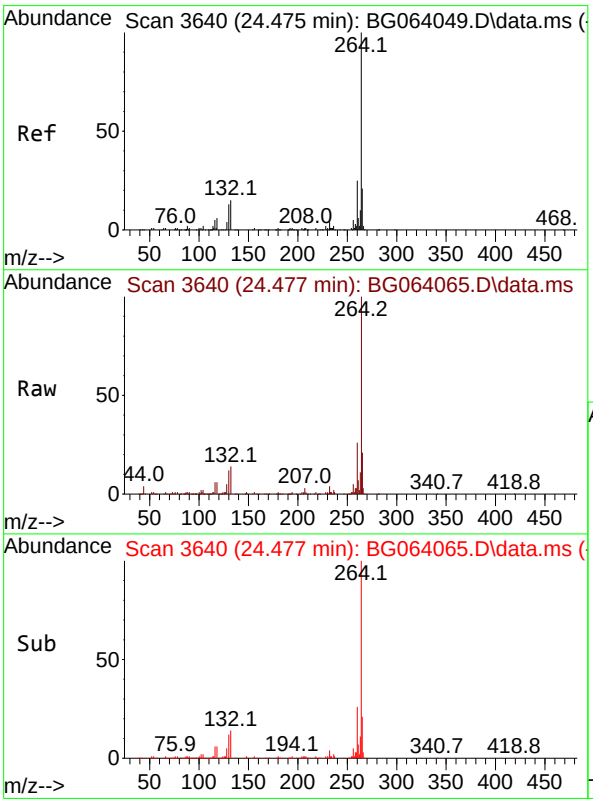
#79
Terphenyl-d14
Concen: 64.181 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:244 Resp: 782644

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	9.7	8.0	12.0

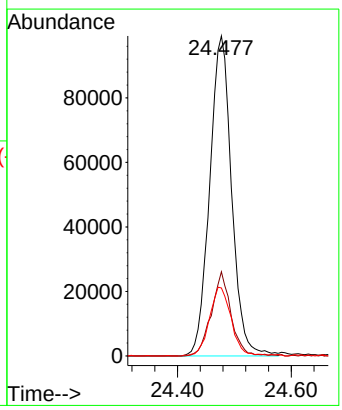




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.477 min Scan# 3640
Delta R.T. 0.002 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Tgt Ion:264 Resp: 266034

Ion	Ratio	Lower	Upper
264	100		
260	26.3	19.6	29.4
265	21.2	16.6	25.0



Sample Results: **BG064065.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

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_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064065.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.446	395	401	410	rBV	576722	899680	40.38%	8.191%
2	7.027	662	670	678	rBV	609541	1009720	45.32%	9.193%
3	7.861	805	812	820	rBV2	136822	223433	10.03%	2.034%
4	9.013	1000	1008	1015	rBV	349514	590932	26.53%	5.380%
5	10.652	1278	1287	1295	rBV	180339	318041	14.28%	2.896%
6	13.114	1699	1706	1714	rVB	902299	1359564	61.03%	12.379%
7	14.489	1933	1940	1946	rVB	303558	468449	21.03%	4.265%
8	15.846	2164	2171	2178	rBV	150606	216859	9.73%	1.974%
9	15.969	2185	2192	2201	rBV	776863	1179521	52.95%	10.739%
10	17.227	2399	2406	2411	rBV2	407603	625479	28.08%	5.695%
11	17.268	2411	2413	2417	rVB2	22838	26653	1.20%	0.243%
12	18.132	2553	2560	2572	rBV2	85094	138792	6.23%	1.264%
13	19.283	2751	2756	2759	rBV	26331	35788	1.61%	0.326%
14	19.407	2774	2777	2783	rVB4	21619	25997	1.17%	0.237%
15	19.636	2812	2816	2820	rBV	26681	35061	1.57%	0.319%
16	19.847	2846	2852	2866	rVB	1698190	2227815	100.00%	20.284%
17	21.152	3069	3074	3081	rBV3	40523	82505	3.70%	0.751%
18	21.457	3119	3126	3134	rBV	420898	699170	31.38%	6.366%
19	22.262	3258	3263	3269	rBV6	17203	31251	1.40%	0.285%
20	23.666	3496	3502	3507	rBV5	14638	30583	1.37%	0.278%
21	24.477	3629	3640	3650	rBV2	271477	729487	32.74%	6.642%
22	25.617	3827	3834	3841	rVB10	10197	28412	1.28%	0.259%

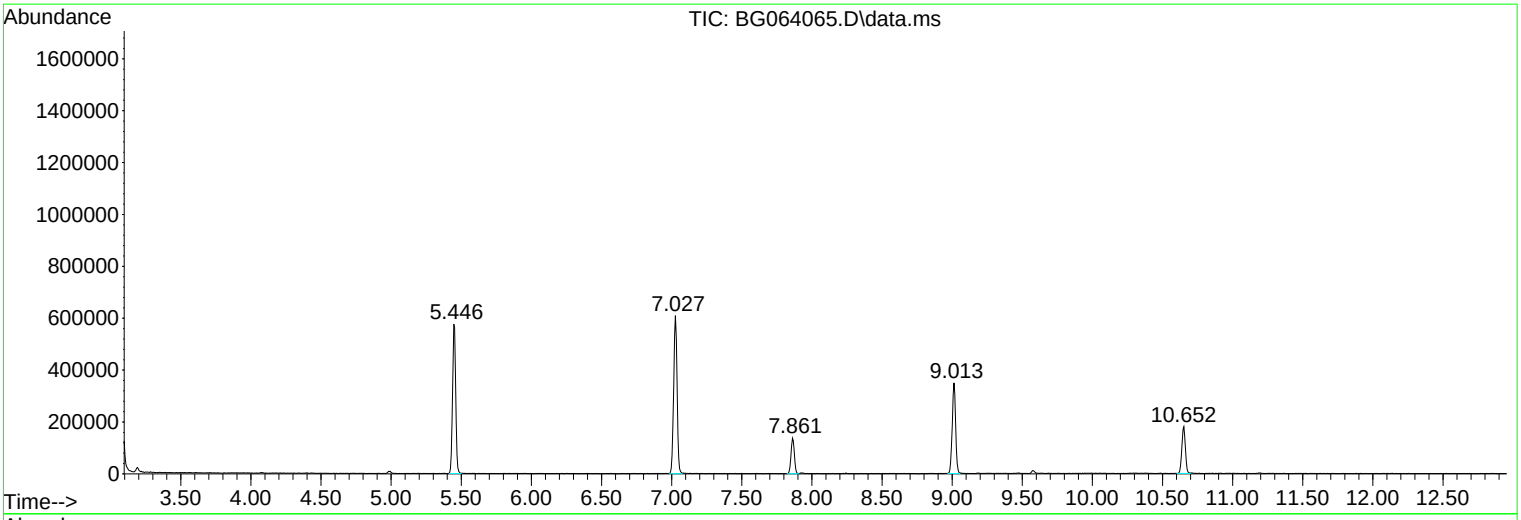
Sum of corrected areas: 10983192

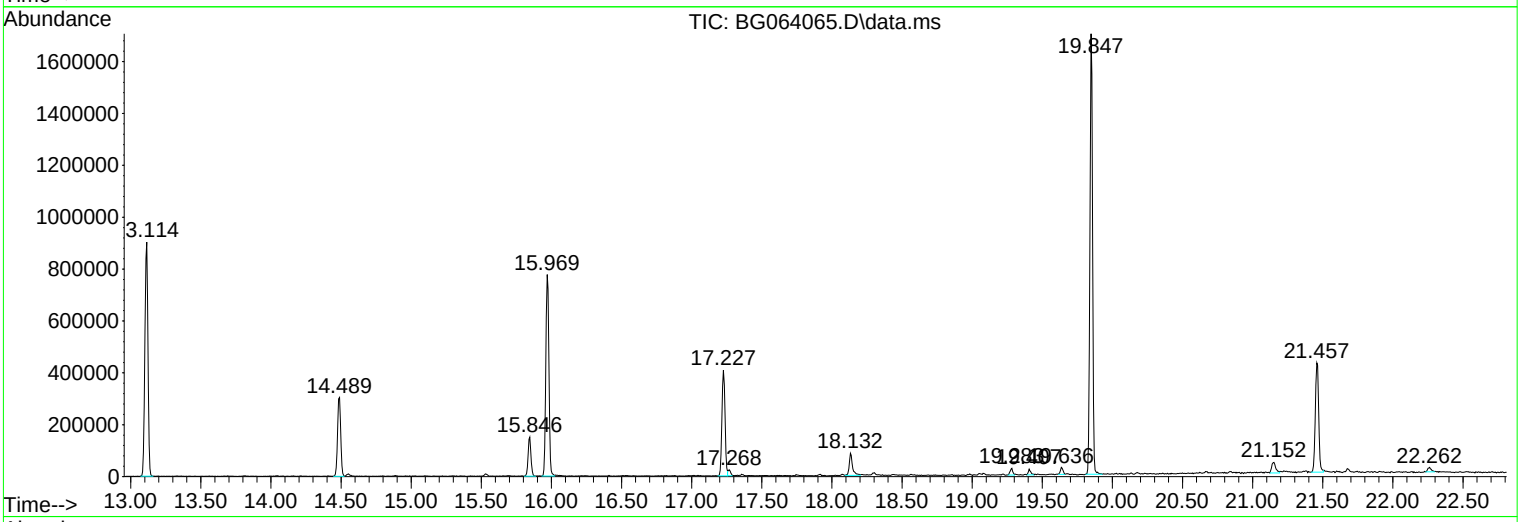
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

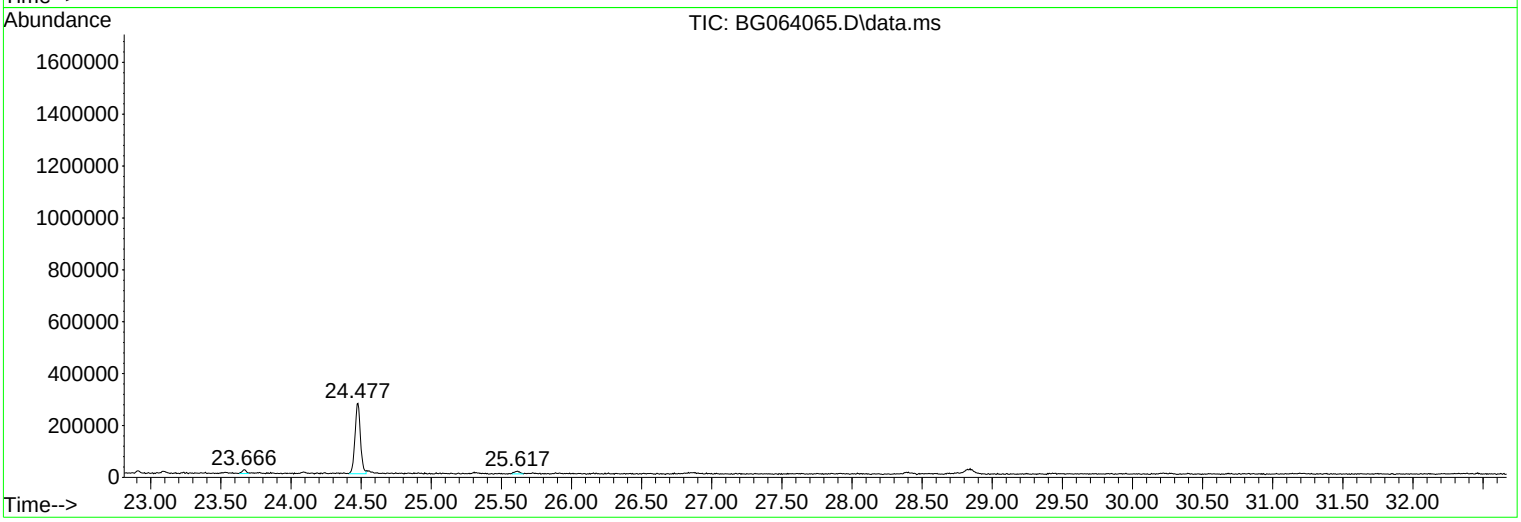
Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

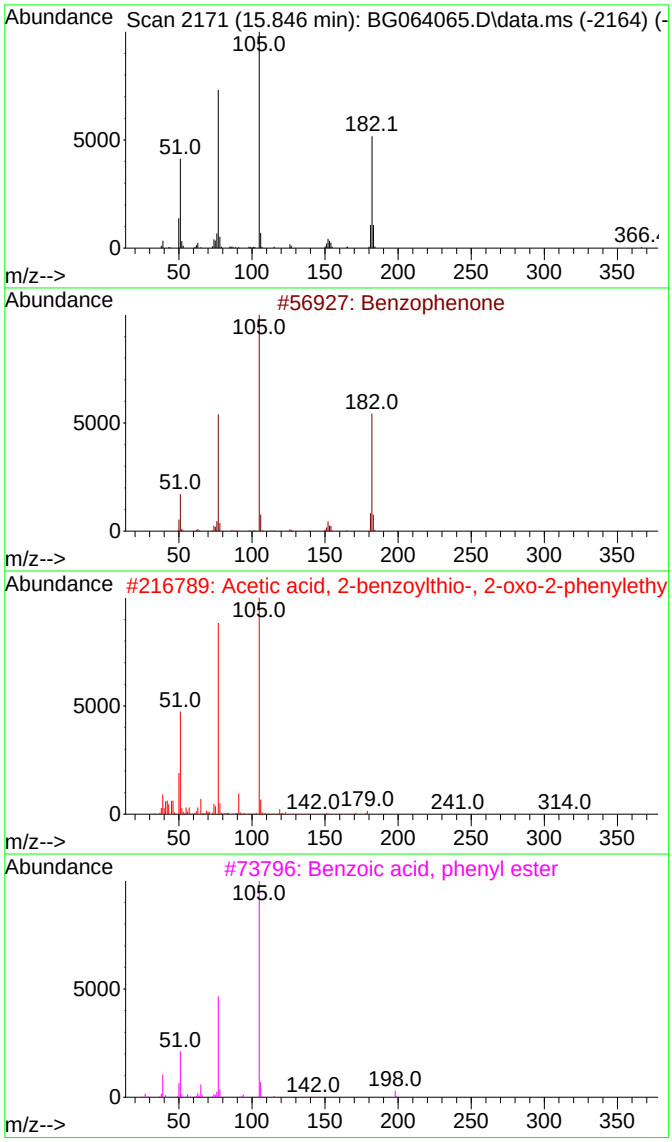
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

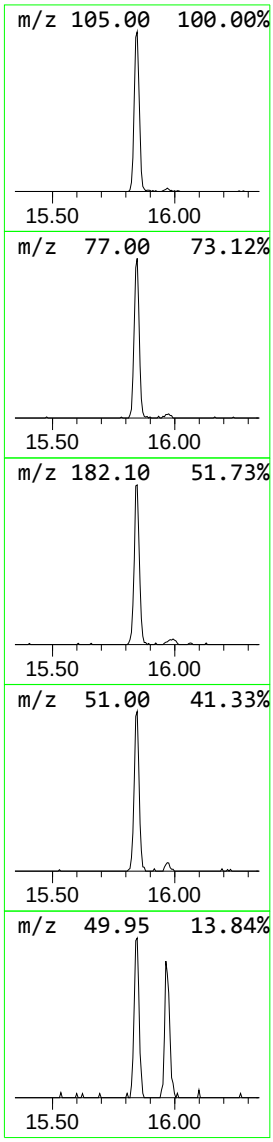
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.846	9.26 ng	216859	Acenaphthene-d10	14.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Acetic acid, 2-benzoylthio-, 2-o...	314	C17H14O4S	1000260-20-1	50
3	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	50
4	Ethanone, 2-(5-nitrotetrazol-2-y...	233	C9H7N5O3	1000310-77-2	50
5	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

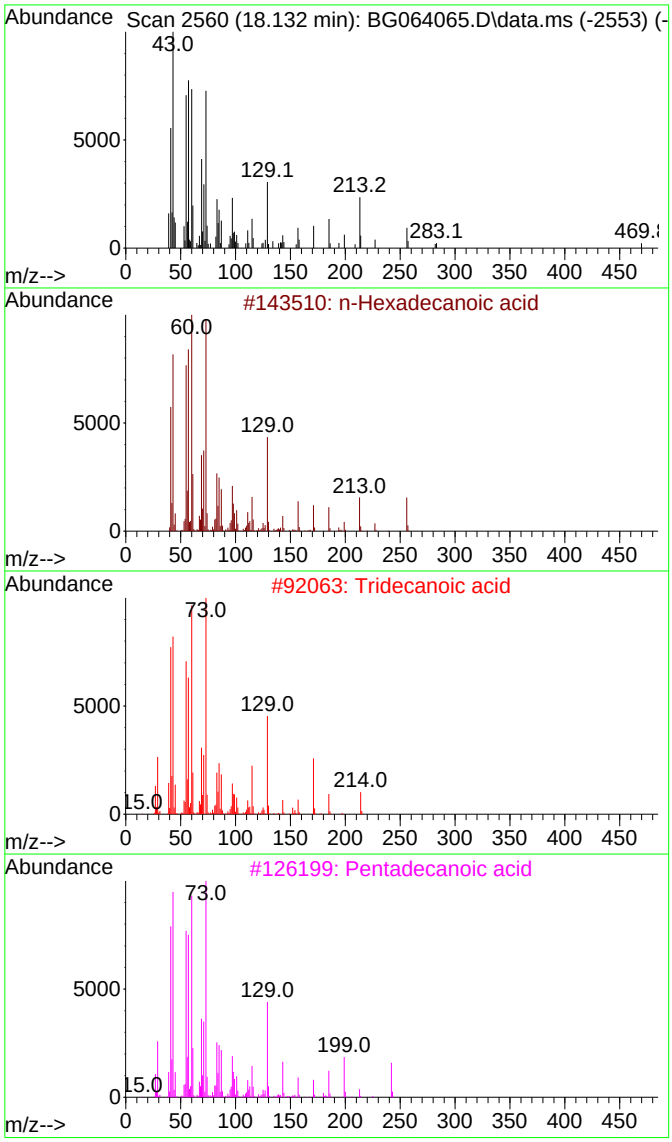
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

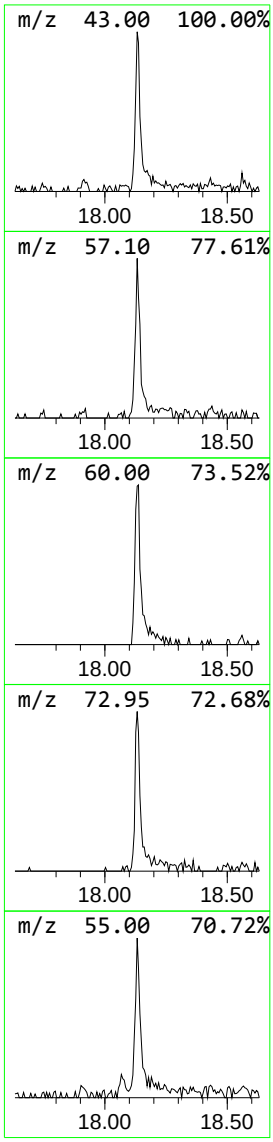
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.132	4.44 ng	138792	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Octadecanoic acid	284	C18H36O2	000057-11-4	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

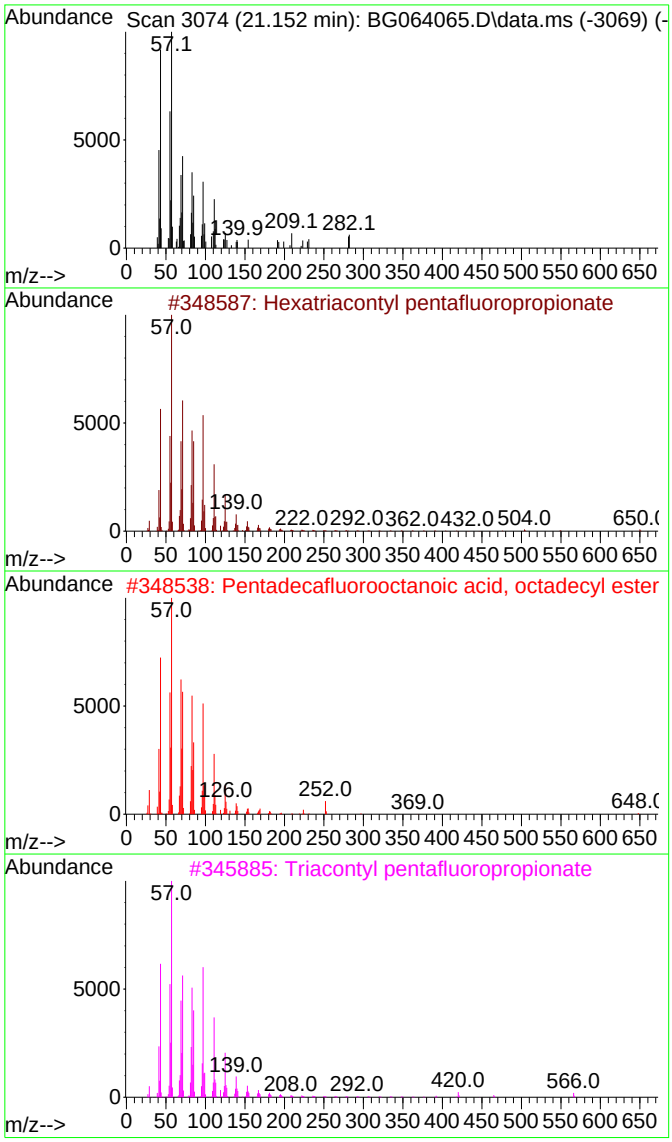
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

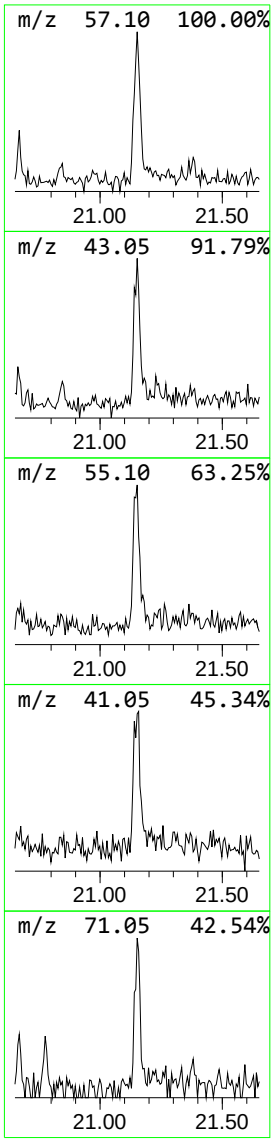
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Hexatriacontyl pentafluorop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.152	2.36 ng	82505	Chrysene-d12	21.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	87
2	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	86
3	Triacontyl pentafluoropropionate	584	C33H61F5O2	1000351-80-0	86
4	Triacontyl trifluoroacetate	534	C32H61F3O2	1000351-75-7	86
5	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	15.846	9.3	ng	216859	3	14.483	468449	20.0
n-Hexadecanoic ...	18.132	4.4	ng	138792	4	17.227	625479	20.0
Hexatriacontyl ...	21.152	2.4	ng	82505	5	21.457	699170	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Time: Mar 11 14:55:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

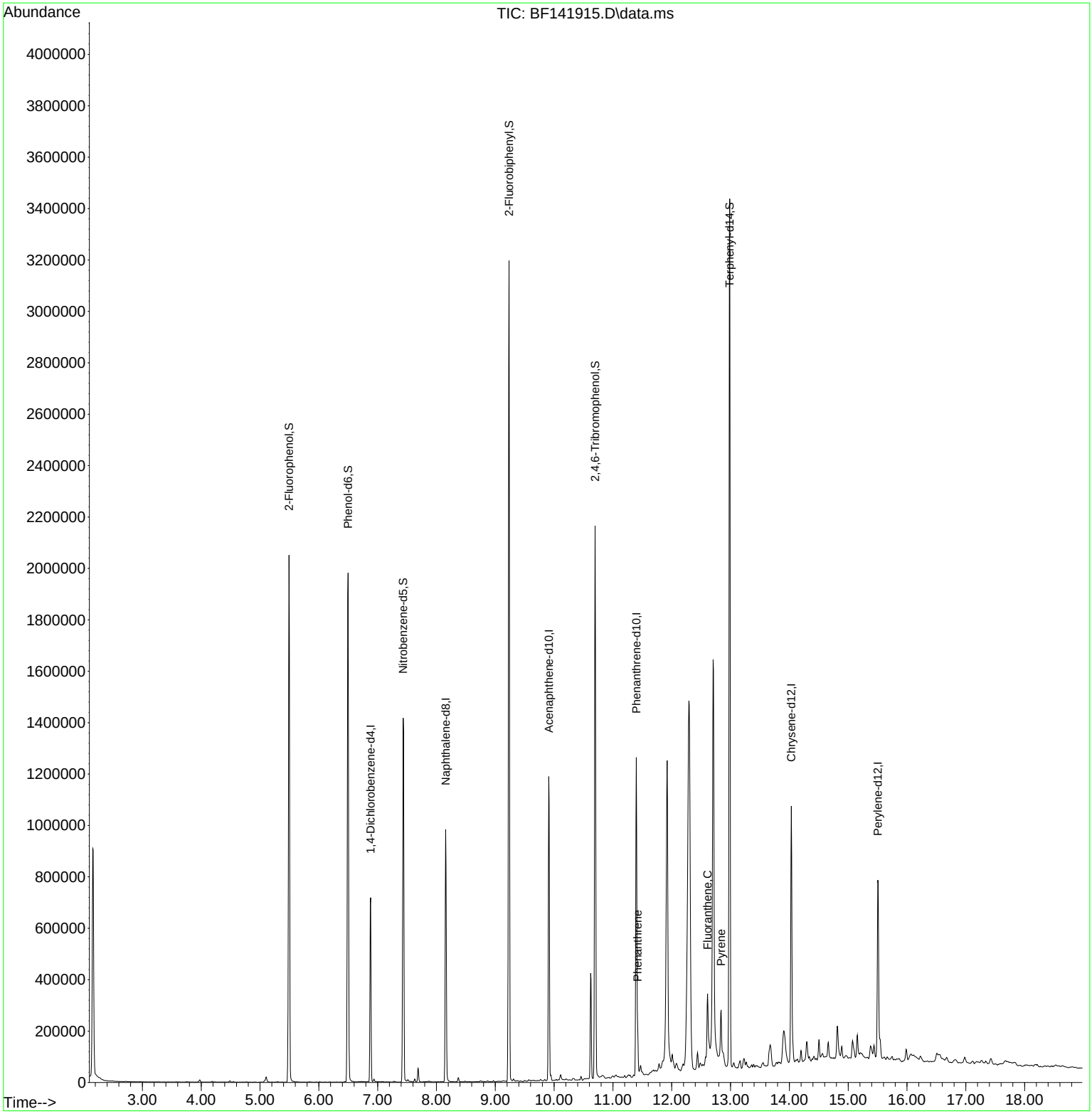
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	153238	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	609925	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	347323	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	611592	20.000	ng	0.00
76) Chrysene-d12	14.033	240	452771	20.000	ng	0.00
86) Perylene-d12	15.504	264	421172	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	781927	85.162	ng	0.00
7) Phenol-d6	6.498	99	977722	83.636	ng	0.00
23) Nitrobenzene-d5	7.434	82	650895	60.056	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	379614	86.154	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1367158	59.863	ng	0.00
79) Terphenyl-d14	12.986	244	1706898	55.736	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	90943	2.753	ng	98
75) Fluoranthene	12.610	202	111477	3.181	ng	99
78) Pyrene	12.839	202	115154	2.940	ng	98

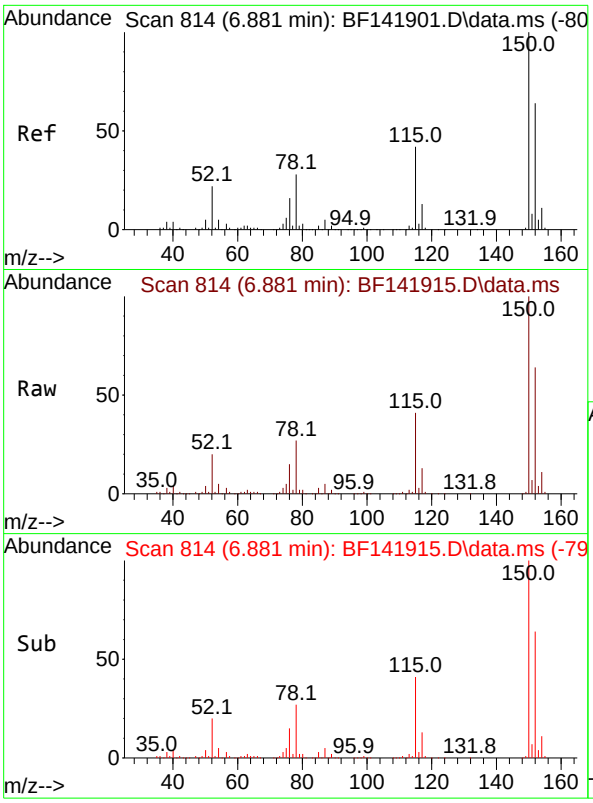
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Time: Mar 11 14:55:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



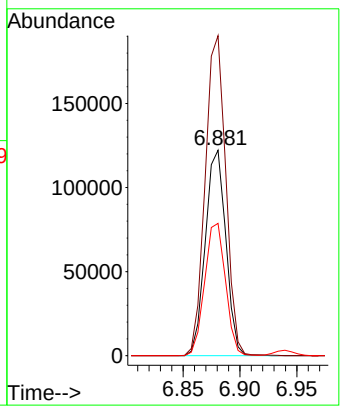


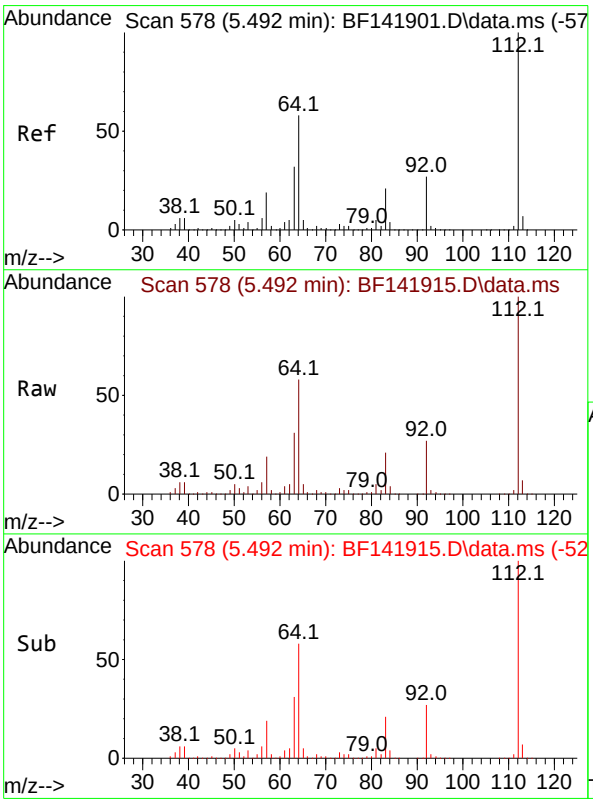
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion:152 Resp: 153238

Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.4	191.2
115	64.4	51.9	77.9

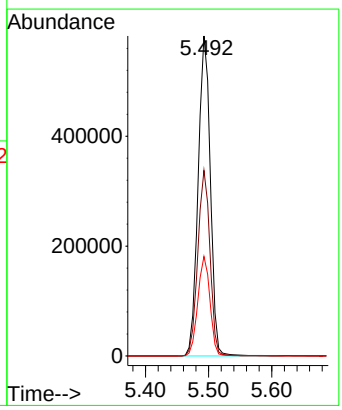


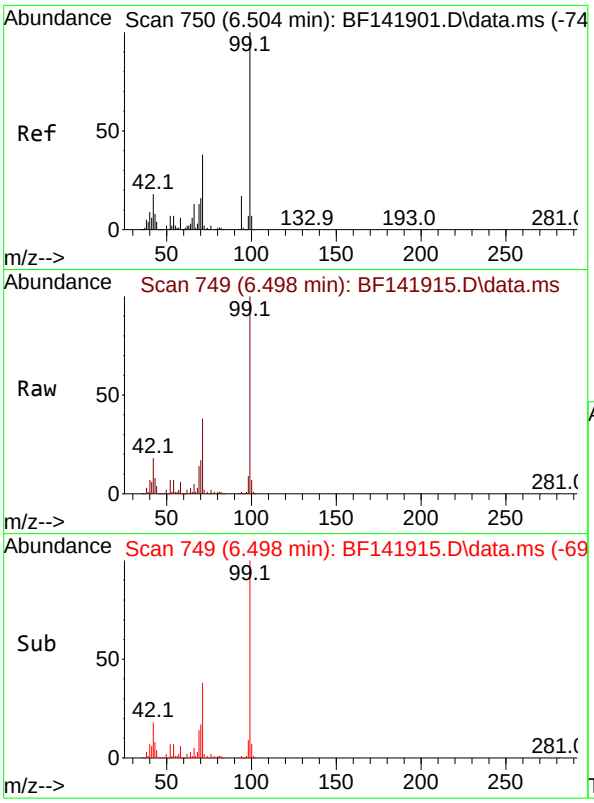


#5
2-Fluorophenol
Concen: 85.162 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:112 Resp: 781927

Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.5	69.7
63	31.1	25.4	38.2



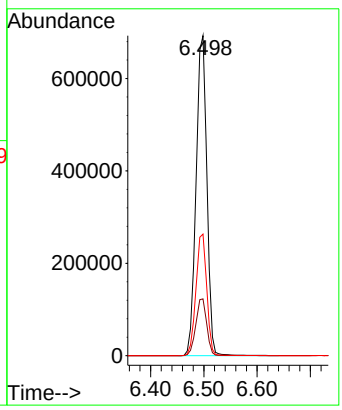


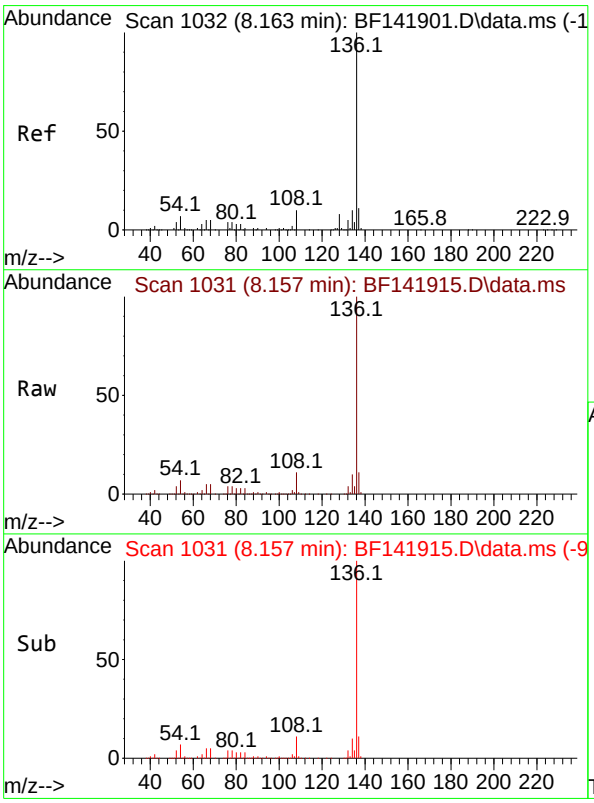
#7
Phenol-d6
Concen: 83.636 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion: 99 Resp: 977722

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.6	21.8
71	38.0	30.8	46.2

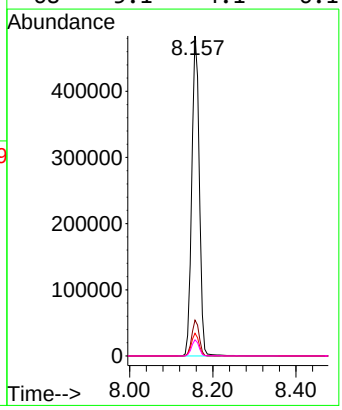


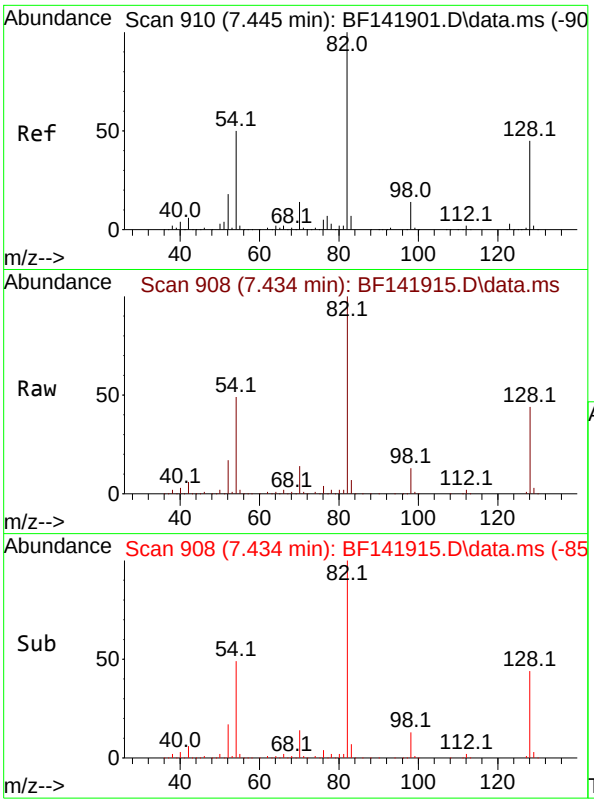


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:136 Resp: 609925

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.1	5.8	8.8
68	5.1	4.1	6.1



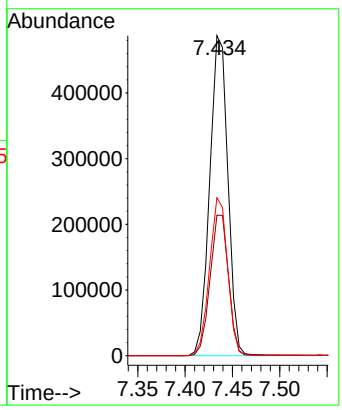


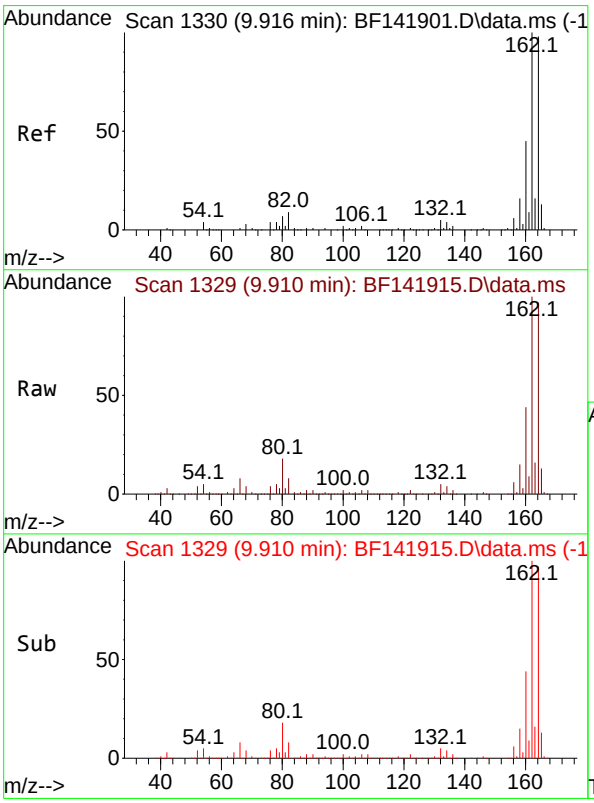
#23
Nitrobenzene-d5
Concen: 60.056 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion: 82 Resp: 650895

Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.0	54.0
54	49.3	39.6	59.4

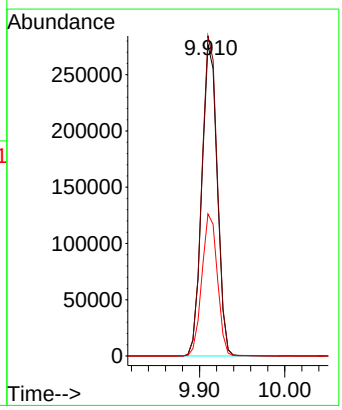


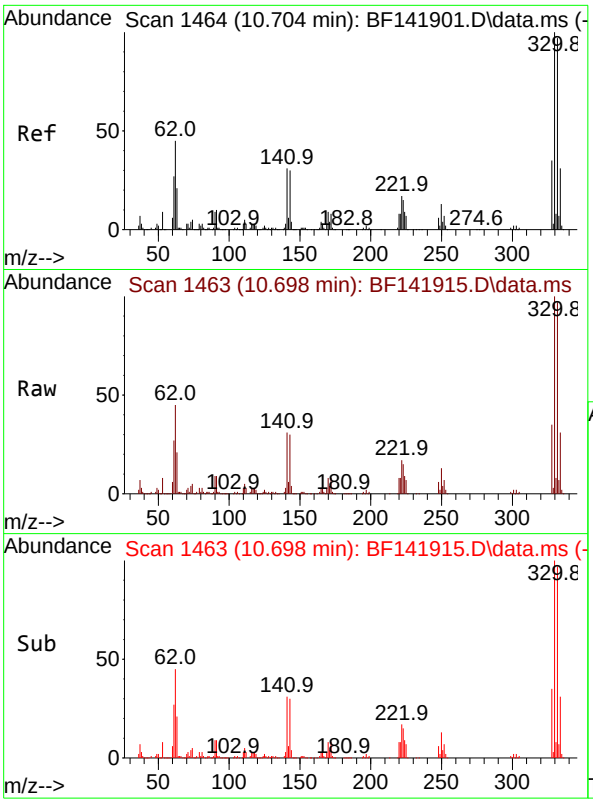


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:164 Resp: 347323

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.6
160	45.6	36.7	55.1



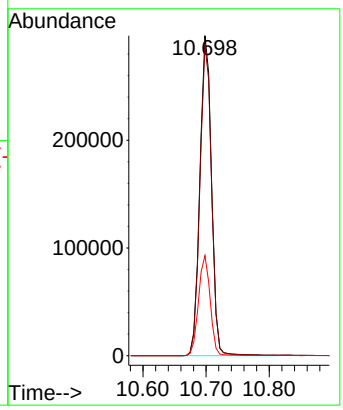


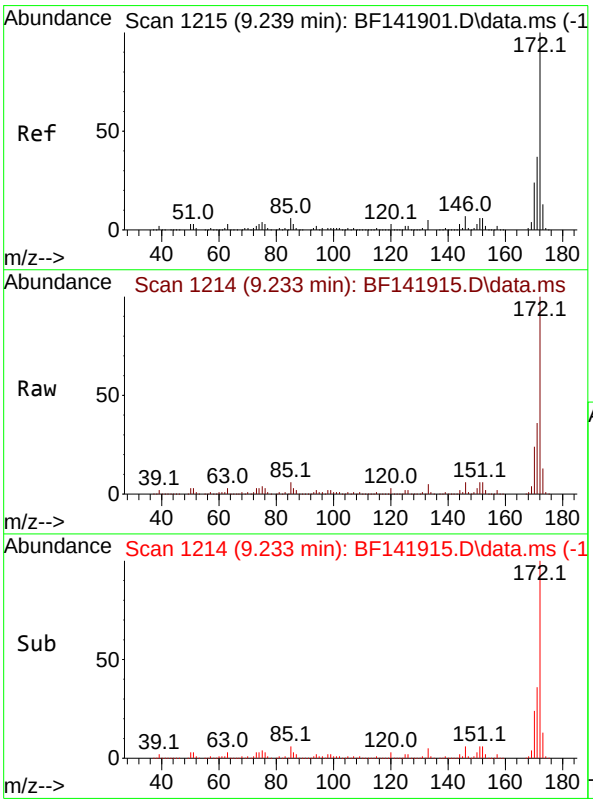
#42
2,4,6-Tribromophenol
Concen: 86.154 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion:330 Resp: 379614

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	31.4	24.7	37.1

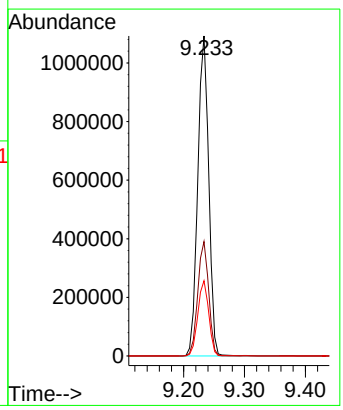


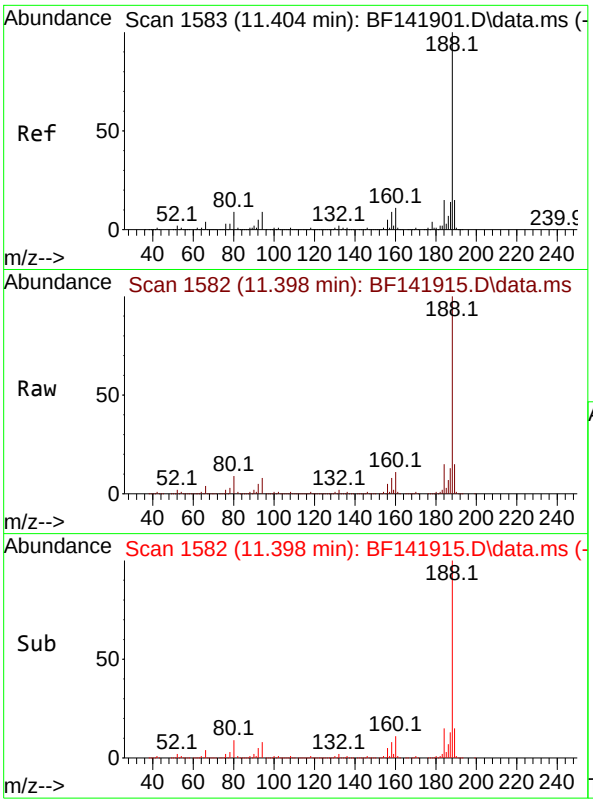


#45
2-Fluorobiphenyl
Concen: 59.863 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:172 Resp: 1367158

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.3	43.9
170	23.5	19.4	29.0



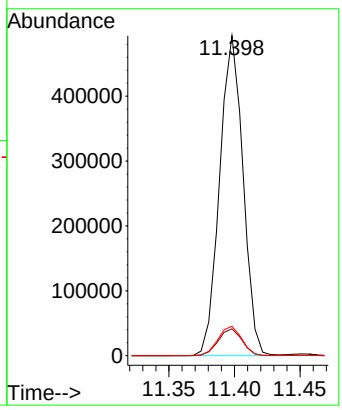


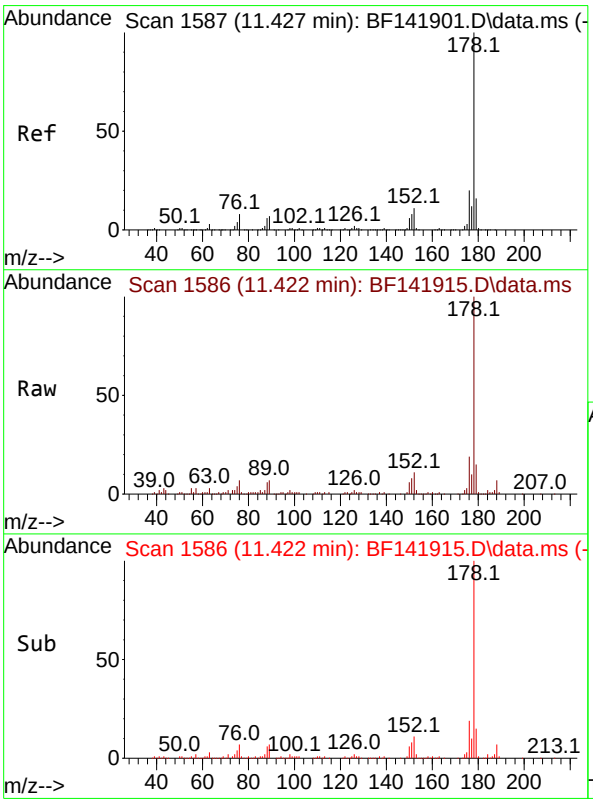
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion:188 Resp: 611592

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.8	10.2
80	9.2	7.6	11.4

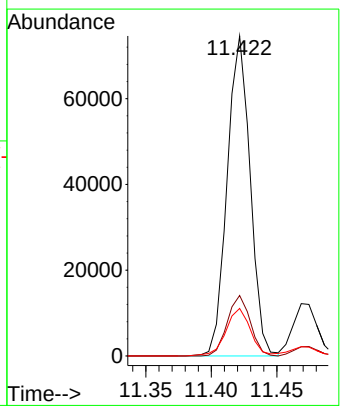


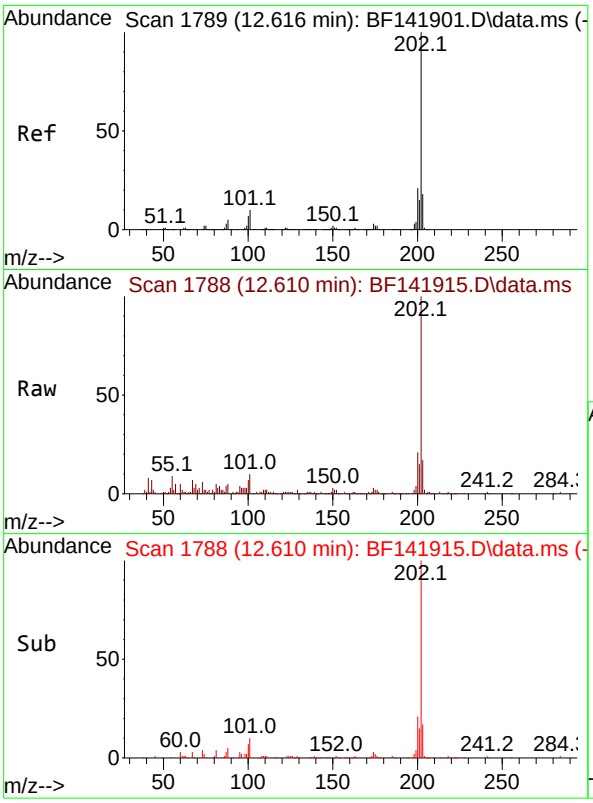


#71
Phenanthrene
Concen: 2.753 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:178 Resp: 90943

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	14.9	12.6	19.0



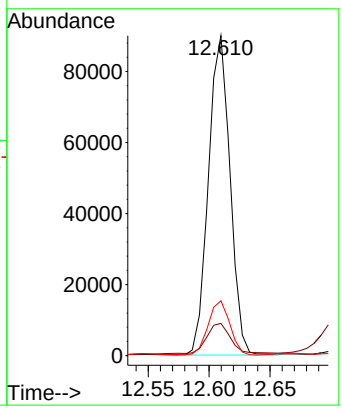


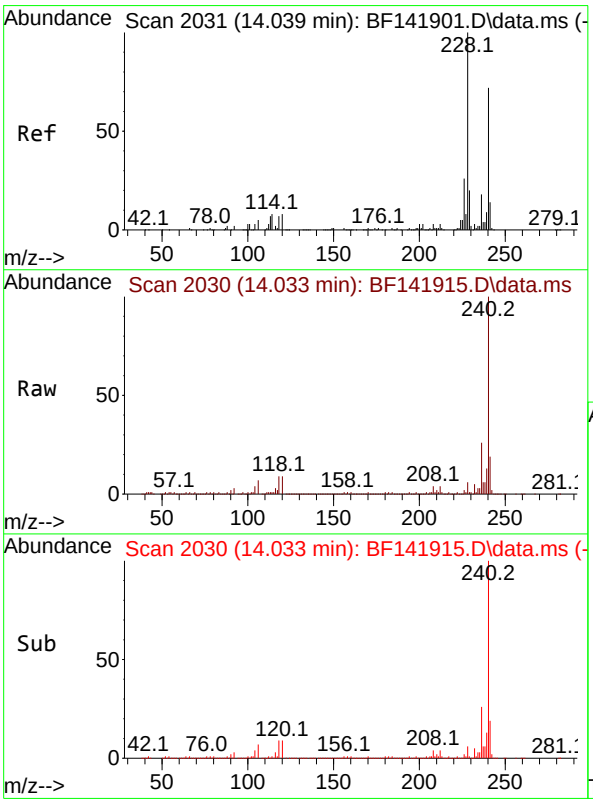
#75
Fluoranthene
Concen: 3.181 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion:202 Resp: 111477

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.7
203	17.2	0.0	37.8

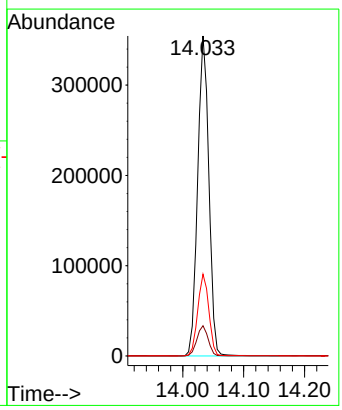


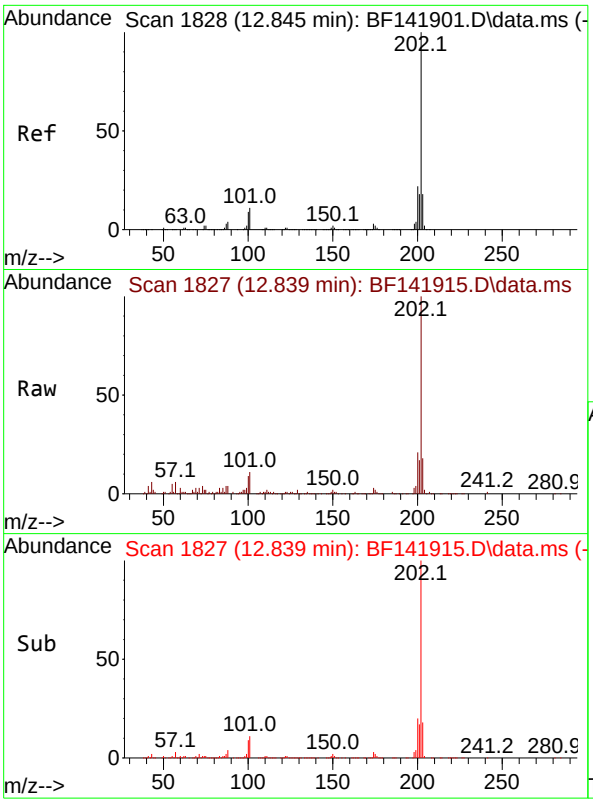


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:240 Resp: 452771

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.4	12.6
236	25.6	20.5	30.7



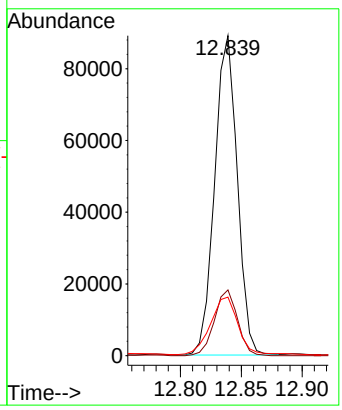


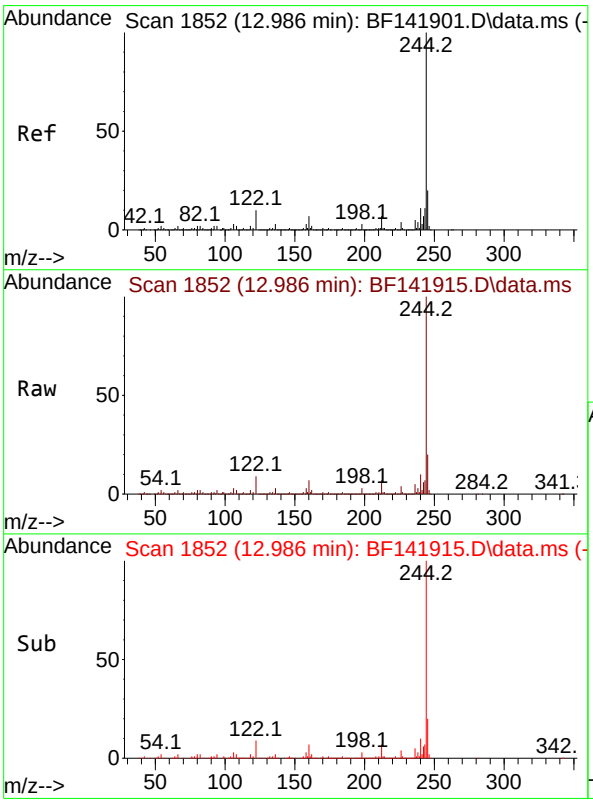
#78
Pyrene
Concen: 2.940 ng
RT: 12.839 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion:202 Resp: 115154

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.3	25.9
203	18.3	14.4	21.6

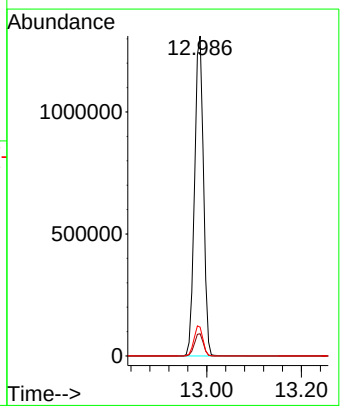


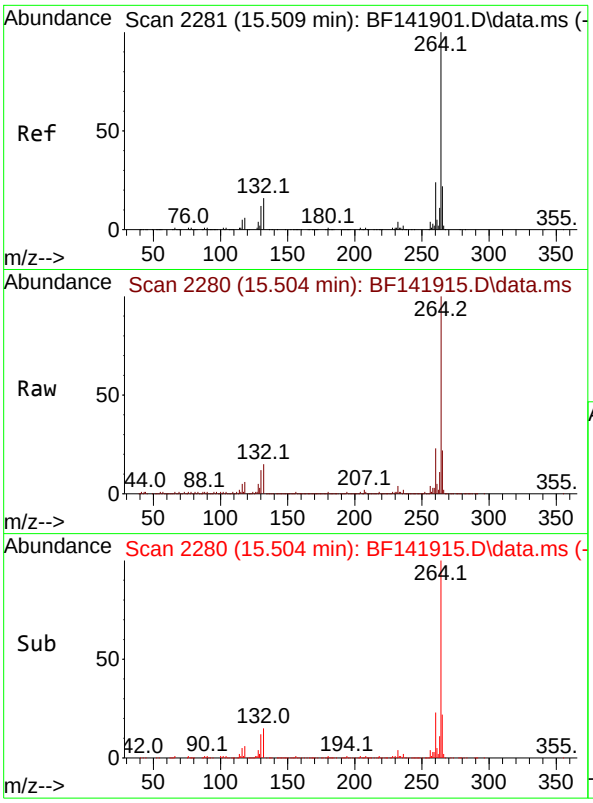


#79
Terphenyl-d14
Concen: 55.736 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:244 Resp: 1706898

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.0	7.7	11.5



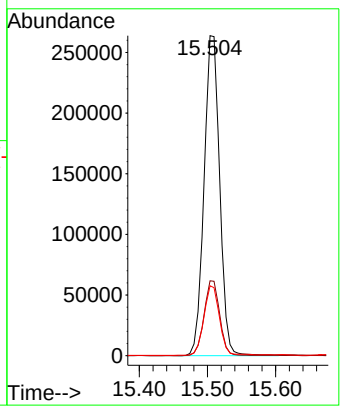


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion:264 Resp: 421172

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	21.9	17.5	26.3



Sample Results: **BF141915.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

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-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141915.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.157	4	11	47	rVB	902161	1644492	36.09%	3.883%
2	5.492	572	578	597	rBV	2050013	2742709	60.19%	6.476%
3	6.498	742	749	761	rBV	1979535	2806861	61.60%	6.628%
4	6.881	808	814	819	rBV	716657	910527	19.98%	2.150%
5	7.434	902	908	914	rBV	1415872	1893267	41.55%	4.470%
6	7.686	946	951	958	rBV	53256	67470	1.48%	0.159%
7	8.157	1026	1031	1040	rBV	981458	1238574	27.18%	2.925%
8	9.233	1208	1214	1219	rBV	3193412	3995772	87.69%	9.435%
9	9.910	1324	1329	1334	rBV	1181179	1488984	32.68%	3.516%
10	10.622	1445	1450	1455	rBV	409166	515356	11.31%	1.217%
11	10.698	1457	1463	1475	rBV	2150339	2746486	60.27%	6.485%
12	11.398	1577	1582	1590	rBV2	1238546	1772966	38.91%	4.186%
13	11.851	1654	1659	1660	rVV2	34167	58319	1.28%	0.138%
14	11.921	1661	1671	1683	rVV	1202517	2517203	55.24%	5.944%
15	12.010	1683	1686	1693	rVV	57285	113655	2.49%	0.268%
16	12.080	1694	1698	1705	rVB6	23454	48218	1.06%	0.114%
17	12.292	1721	1734	1750	rVB	1434236	4556693	100.00%	10.759%
18	12.439	1754	1759	1763	rBV3	61933	93641	2.06%	0.221%
19	12.610	1784	1788	1795	rVV	275720	523198	11.48%	1.235%
20	12.704	1796	1804	1818	rVV	1576896	3205032	70.34%	7.568%
21	12.839	1822	1827	1842	rVB	219574	475117	10.43%	1.122%
22	12.986	1846	1852	1857	rVB	3373523	4448617	97.63%	10.504%
23	13.163	1876	1882	1886	rVB2	29937	57324	1.26%	0.135%
24	13.227	1888	1893	1897	rBV3	34622	67906	1.49%	0.160%
25	13.674	1962	1969	1978	rVB3	82718	220941	4.85%	0.522%
26	13.904	2001	2008	2022	rBV5	123709	422434	9.27%	0.997%
27	14.033	2024	2030	2040	rVB	995436	1435243	31.50%	3.389%
28	14.198	2055	2058	2063	rVB	42037	54055	1.19%	0.128%
29	14.298	2070	2075	2080	rBV	68981	122483	2.69%	0.289%
30	14.504	2106	2110	2114	rBV	74700	103921	2.28%	0.245%
31	14.662	2133	2137	2145	rVB	62224	97681	2.14%	0.231%
32	14.815	2158	2163	2172	rBV	122025	241512	5.30%	0.570%
33	14.892	2173	2176	2182	rVB	45671	60407	1.33%	0.143%
34	15.074	2203	2207	2215	rVB	65123	137581	3.02%	0.325%
35	15.157	2217	2221	2227	rBV2	80322	122613	2.69%	0.290%
36	15.380	2255	2259	2265	rBV2	44779	102787	2.26%	0.243%

Sample Results: **BF141915.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

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-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.439	2266	2269	2273	rVB	45996	63380	1.39%	0.150%
38	15.504	2275	2280	2286	rBV	683932	1113863	24.44%	2.630%
39	15.986	2358	2362	2367	rVB	40275	63306	1.39%	0.149%

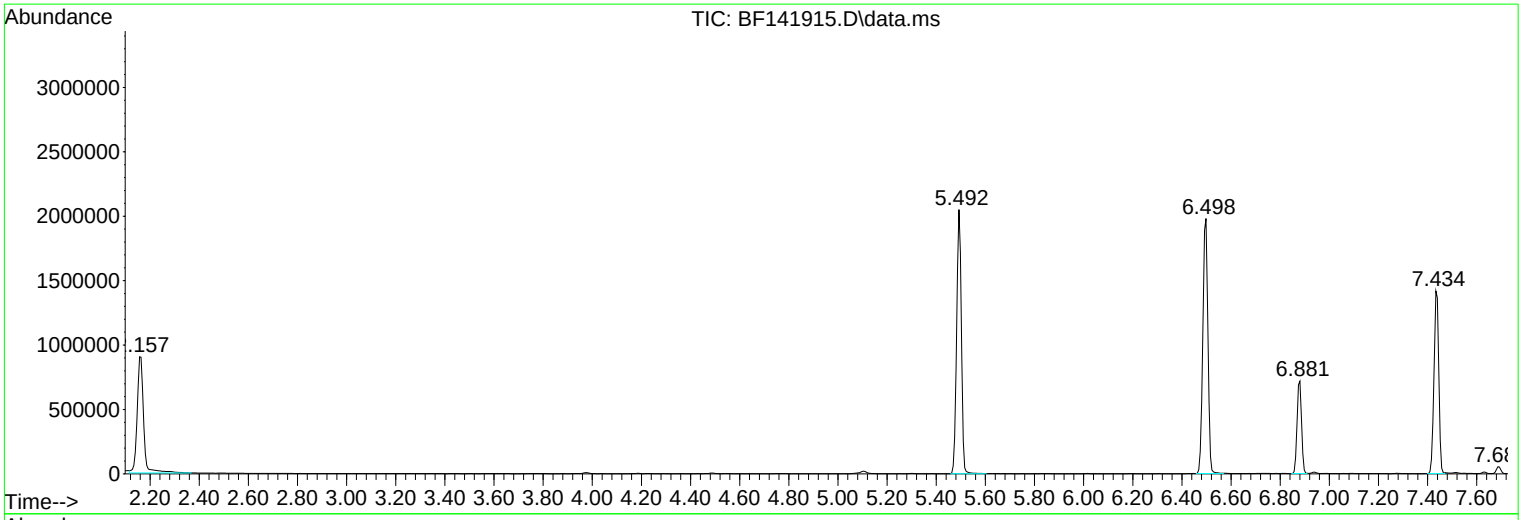
Sum of corrected areas: 42350594

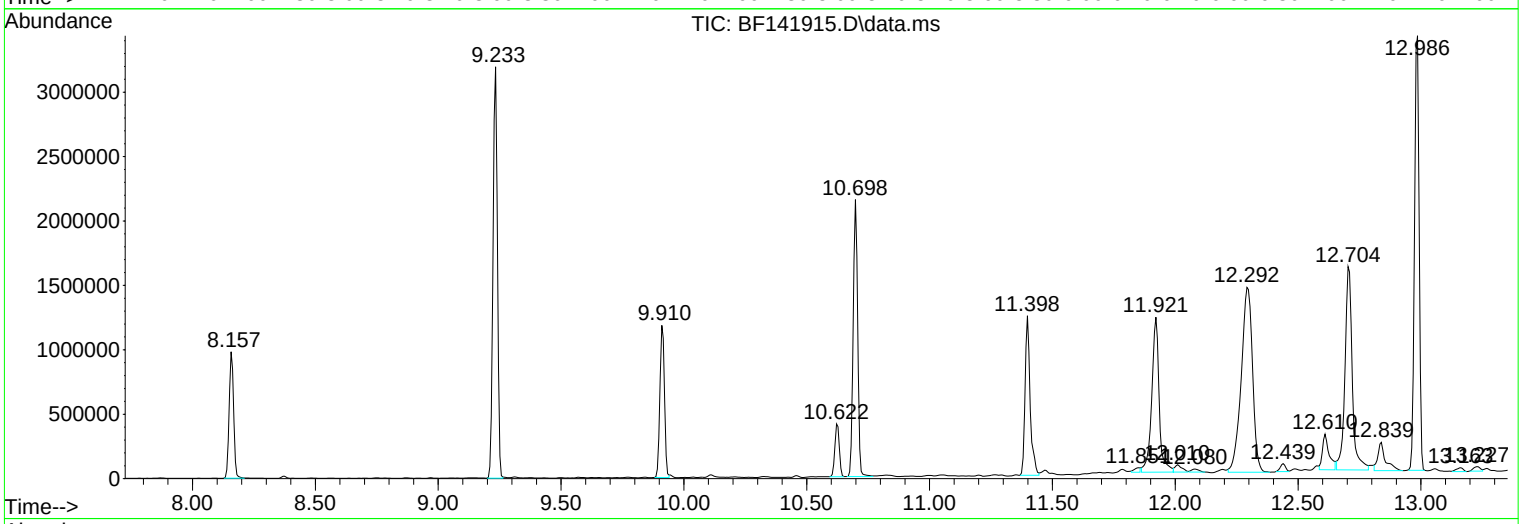
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

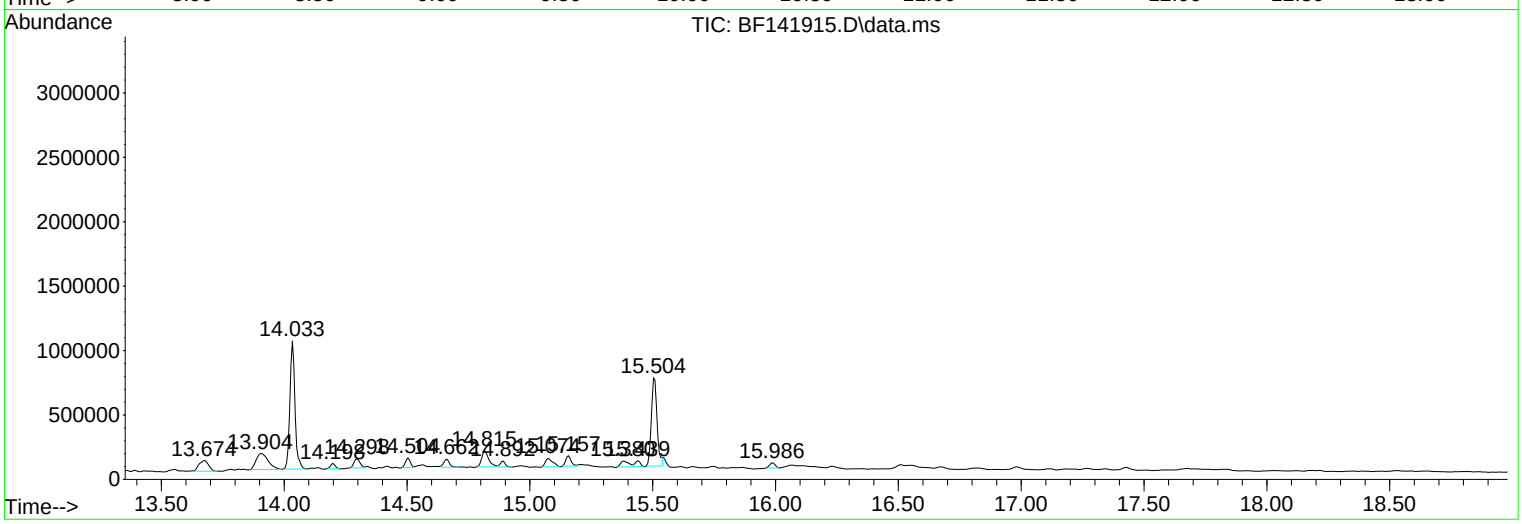
Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

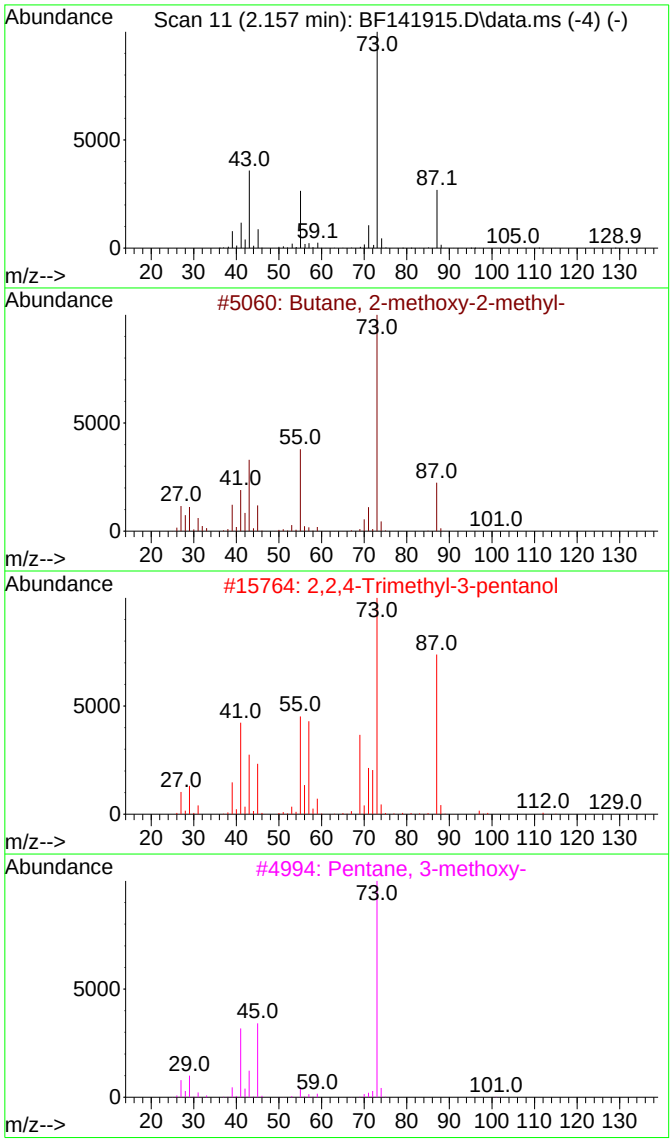
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

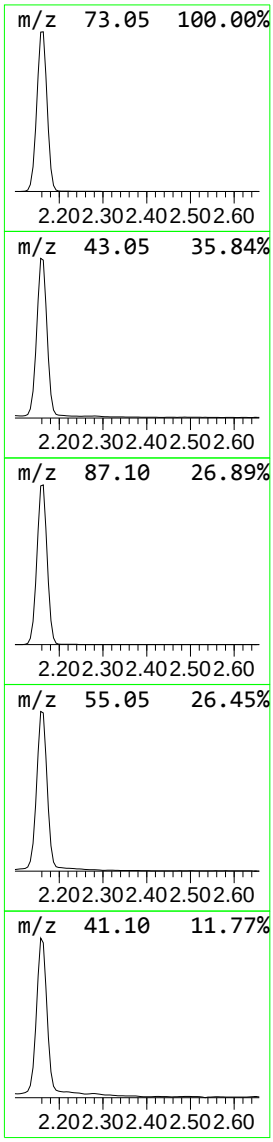
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.157	36.12 ng	1644490	1,4-Dichlorobenzene-d4	6.881

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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

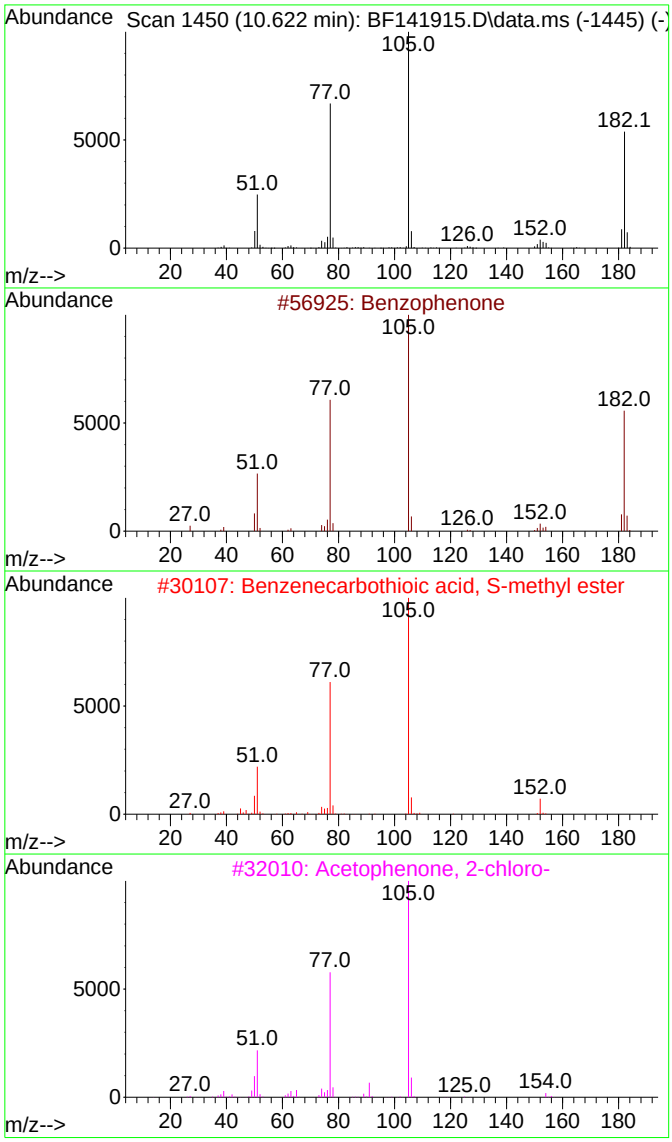
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

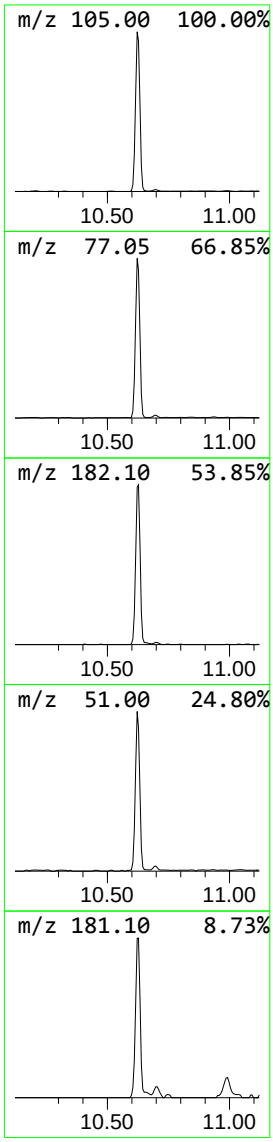
****

Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	6.92 ng	515356	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	49
5	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

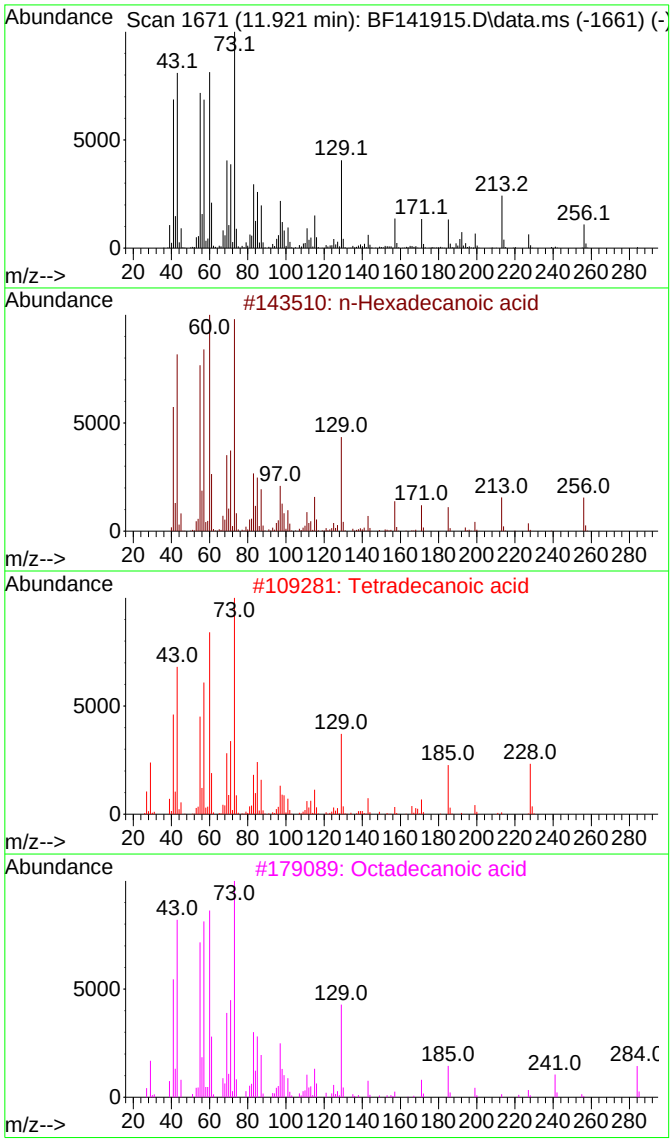
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

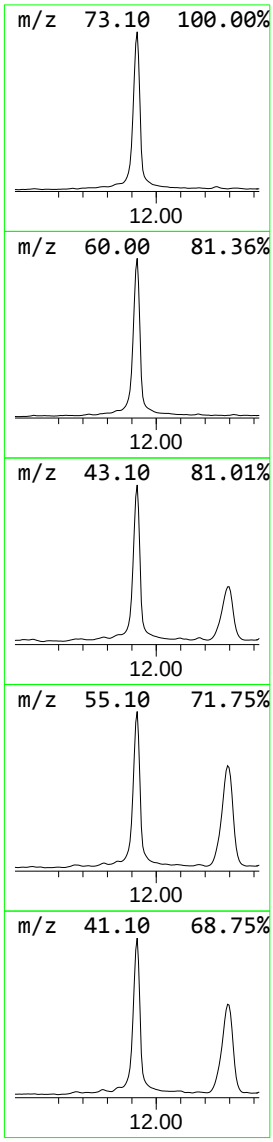
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	28.40 ng	2517200	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	95
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
5	Tridecanoic acid	214	C13H26O2	000638-53-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

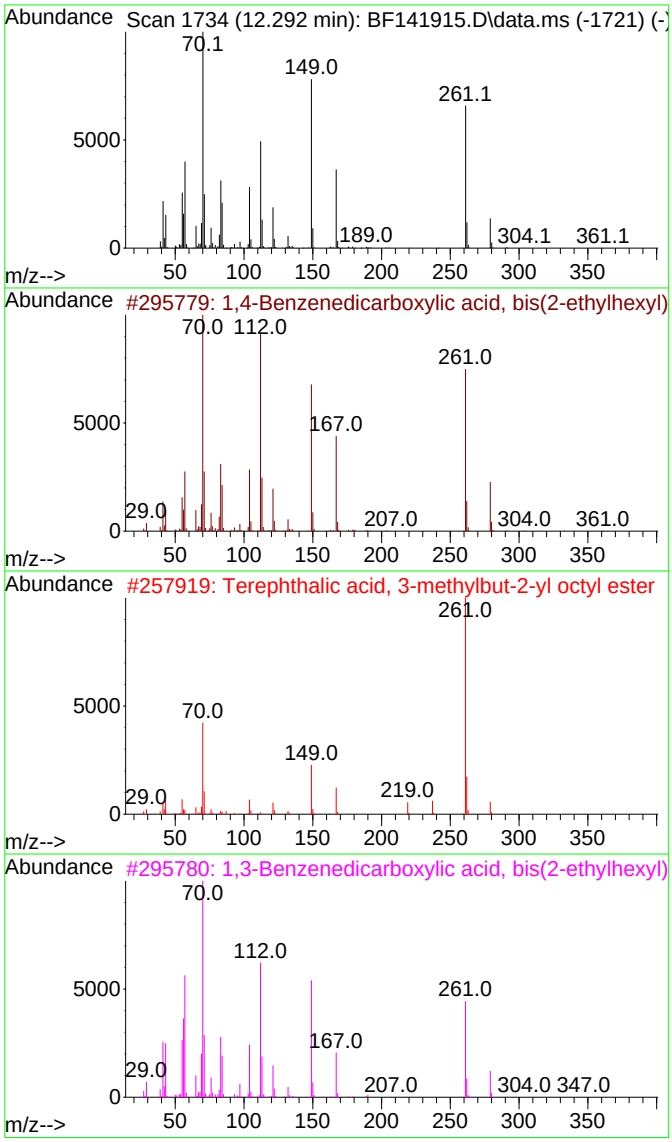
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

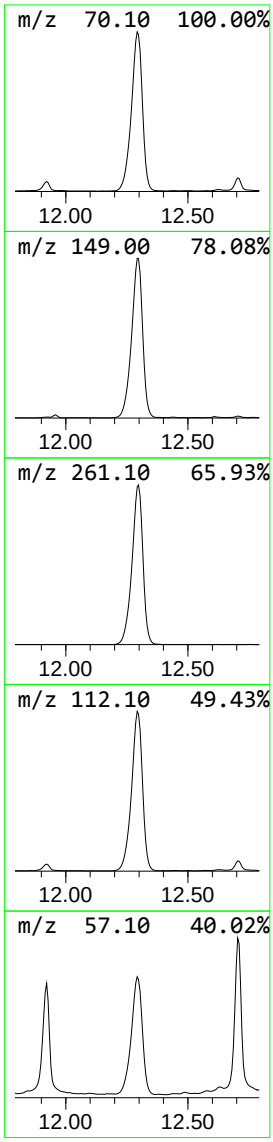
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,4-Benzenedicarboxylic aci... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.292	51.40 ng	4556690	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenedicarboxylic acid, bi...	390	C24H38O4	006422-86-2	72
2	Terephthalic acid, 3-methylbut-2...	348	C21H32O4	1000356-27-6	64
3	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	49
4	Terephthalic acid, monochloride,...	296	C16H21ClO3	1000324-22-9	43
5	Terephthalic acid, 4-octyl octyl...	390	C24H38O4	1000323-73-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

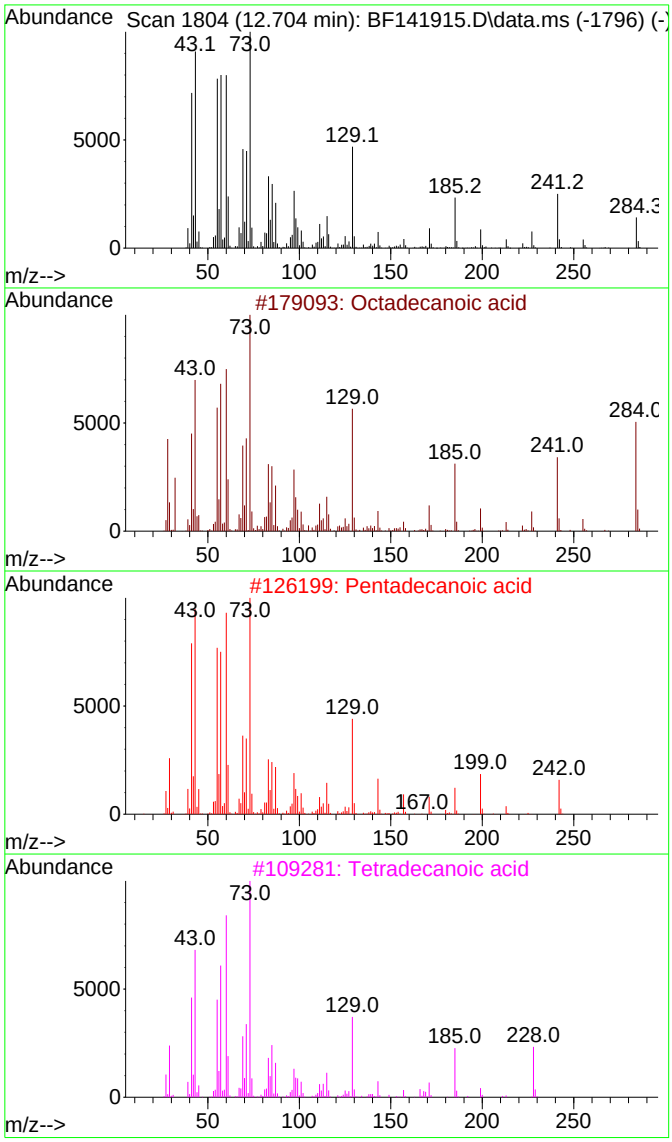
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

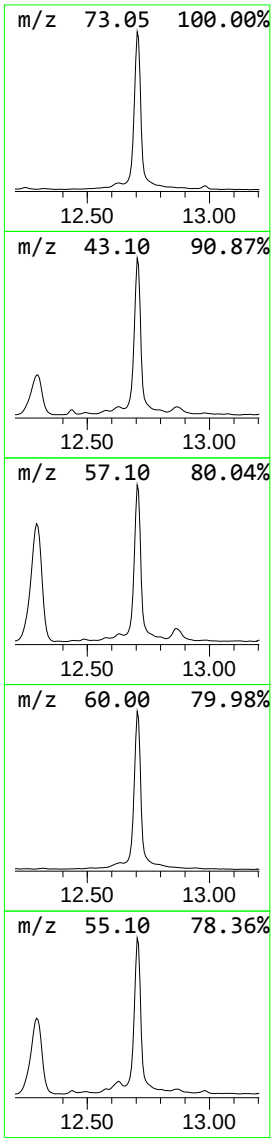
****

Peak Number 5 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.704	36.15 ng	3205030	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	Tridecanoic acid	214	C13H26O2	000638-53-9	68





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On    : 11 Mar 2025  14:26
Operator  : RC/JU
Sample    : Q1514-05
Misc      :
ALS Vial  : 7   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

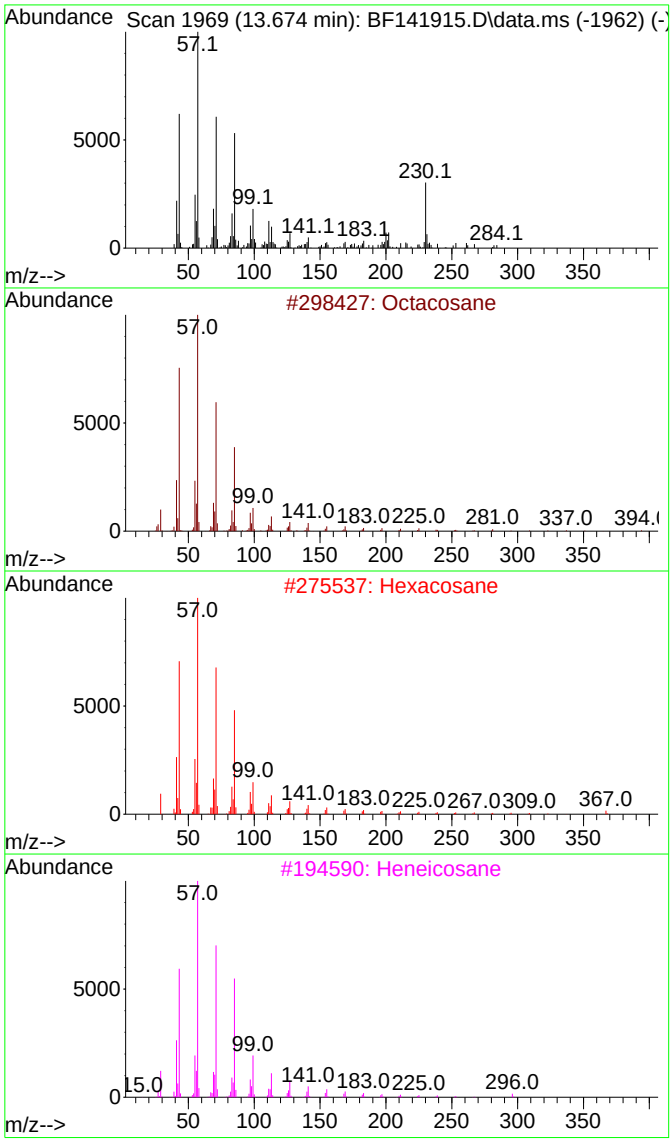
Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

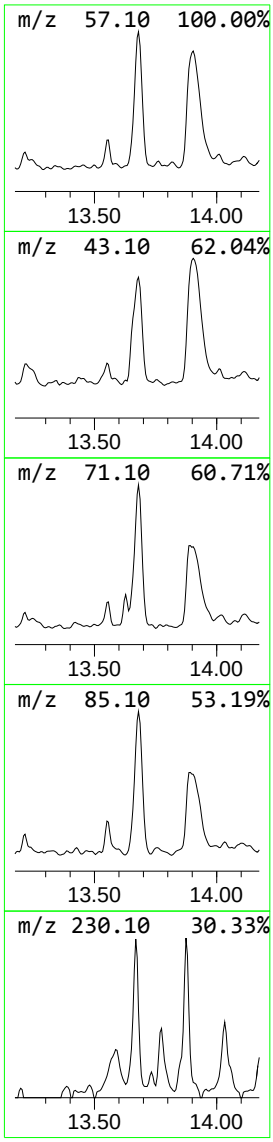
****

Peak Number 6 Octacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.674	3.08 ng	220941	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	76
2	Hexacosane	366	C26H54	000630-01-3	74
3	Heneicosane	296	C21H44	000629-94-7	74
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	72
5	Tetratetracontane	619	C44H90	007098-22-8	70





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On    : 11 Mar 2025  14:26
Operator  : RC/JU
Sample    : Q1514-05
Misc      :
ALS Vial  : 7   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

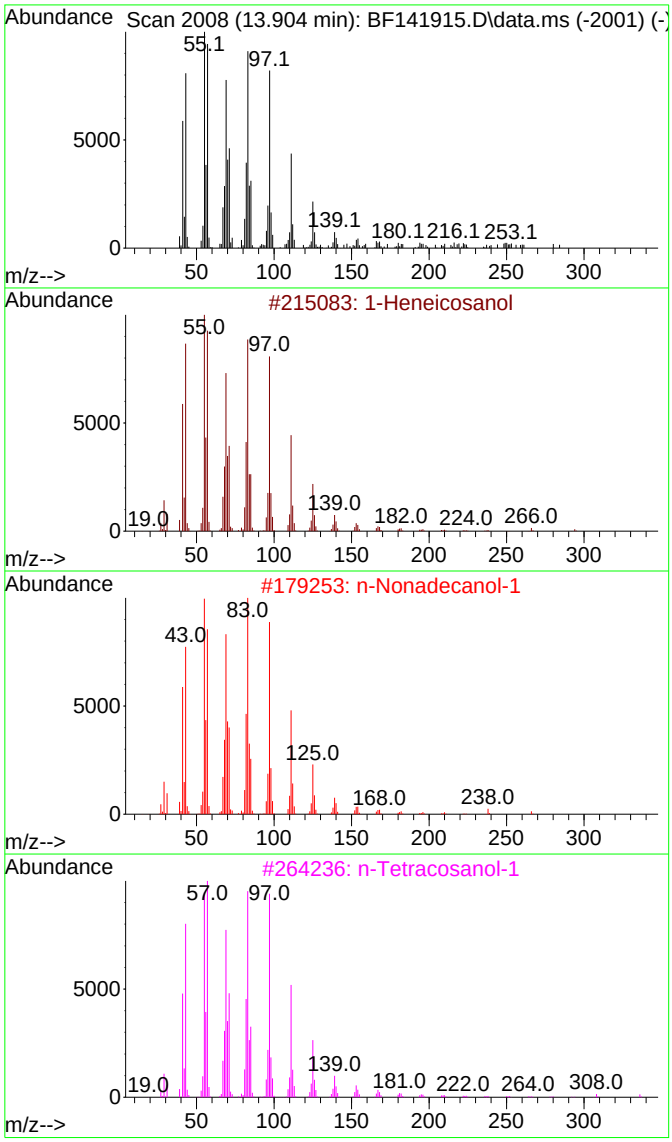
Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

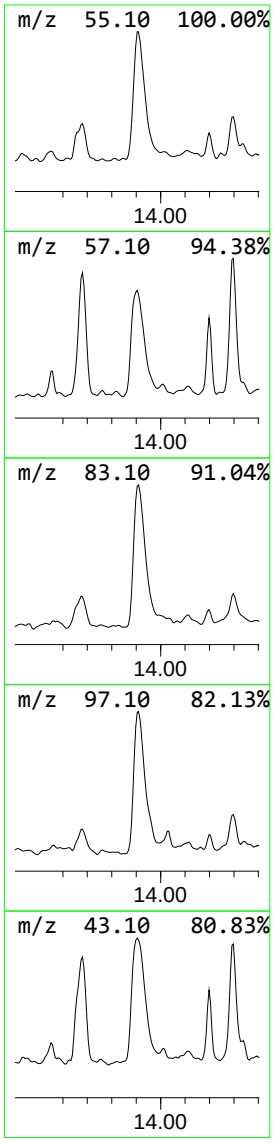
****

Peak Number 7 1-Heneicosanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	5.89 ng	422434	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
4	Behenic alcohol	326	C22H46O	000661-19-8	95
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

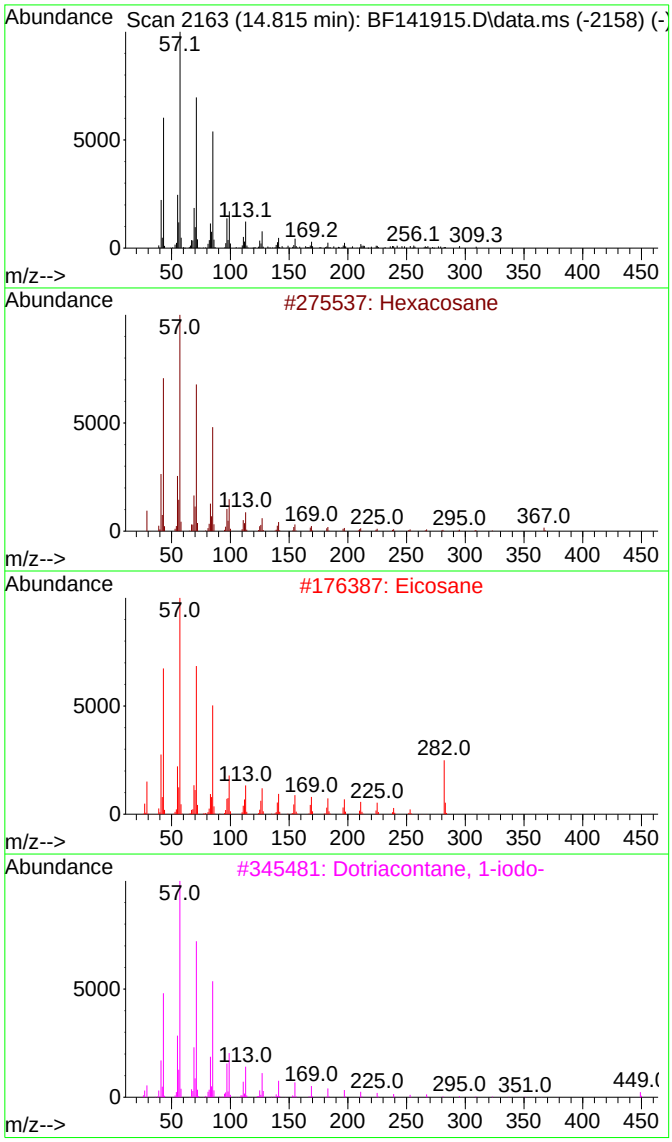
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

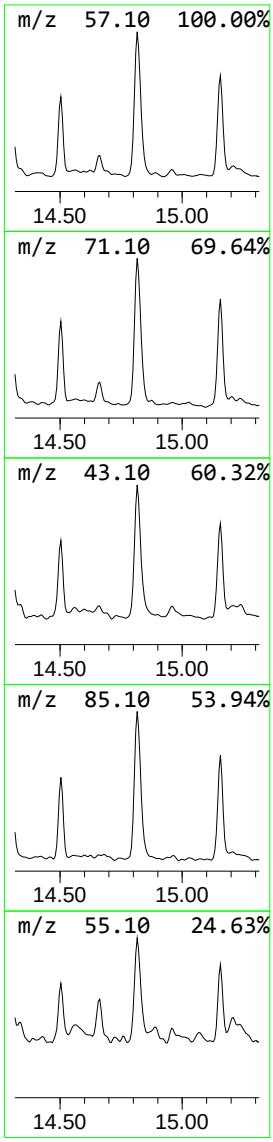
****

Peak Number 8 Hexacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.815	4.34 ng	241512	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	94
2	Eicosane	282	C20H42	000112-95-8	93
3	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90





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Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

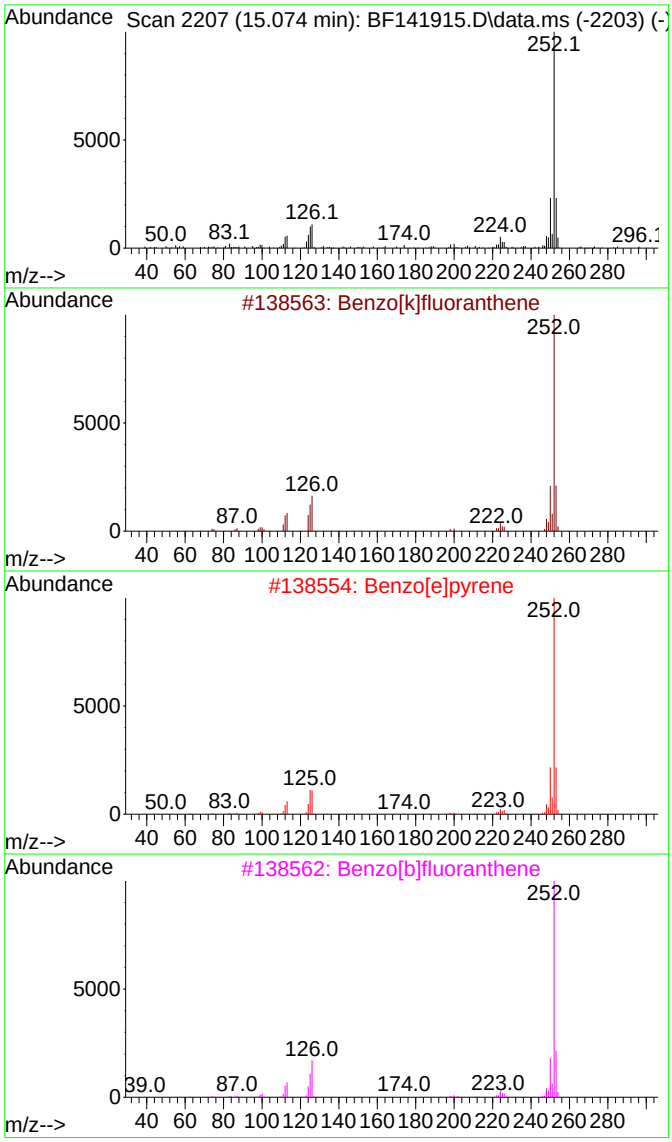
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

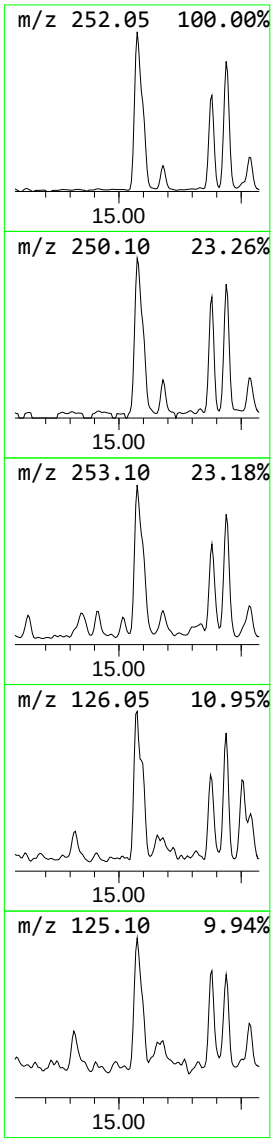
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.074	2.47 ng	137581	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

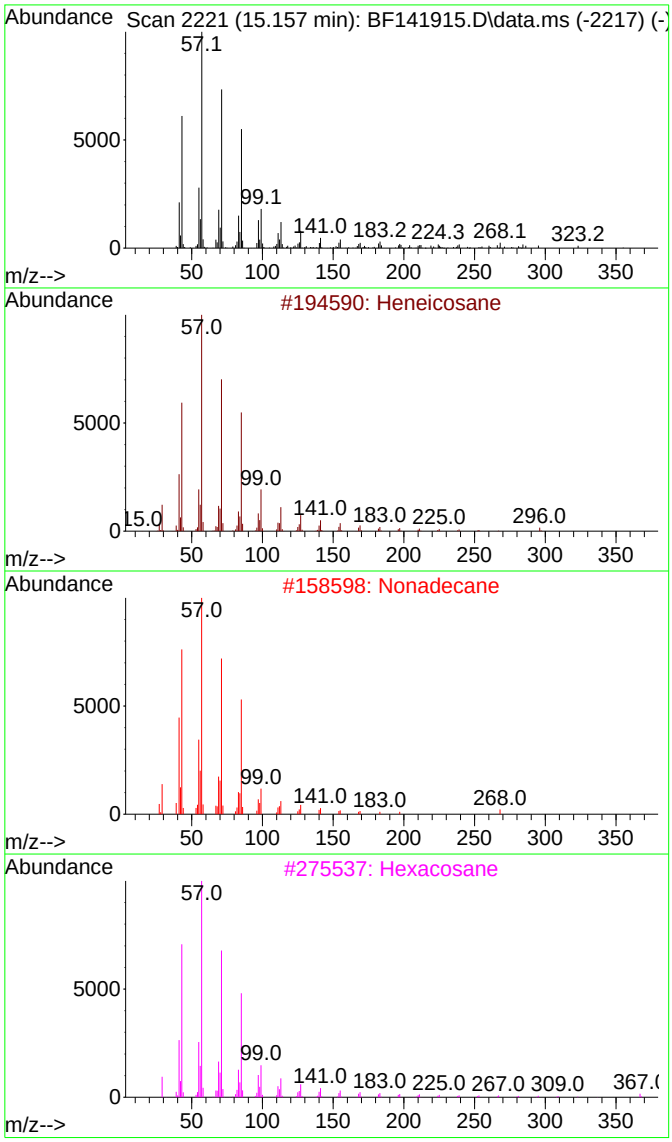
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

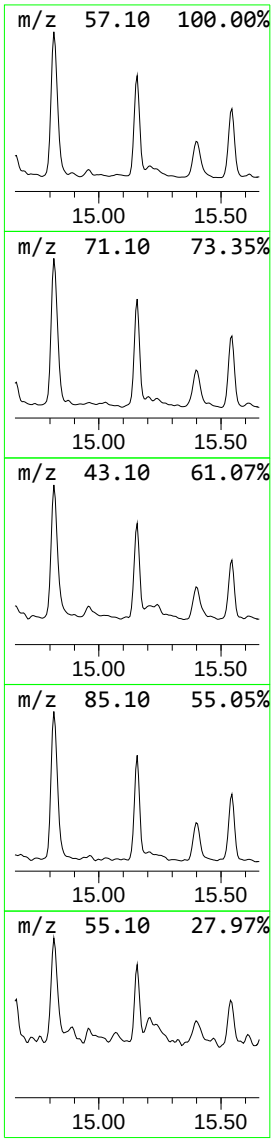
****

Peak Number 10 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.157	2.20 ng	122613	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Nonadecane	268	C19H40	000629-92-5	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
5	Octacosane	394	C28H58	000630-02-4	91





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Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.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...	2.157	36.1	ng	1644490	1	6.881	910527	20.0
Benzophenone	10.622	6.9	ng	515356	3	9.910	1488980	20.0
n-Hexadecanoic ...	11.922	28.4	ng	2517200	4	11.398	1772970	20.0
1,4-Benzenedica...	12.292	51.4	ng	4556690	4	11.398	1772970	20.0
Octadecanoic acid	12.704	36.1	ng	3205030	4	11.398	1772970	20.0
Octacosane	13.674	3.1	ng	220941	5	14.033	1435240	20.0
1-Heneicosanol	13.904	5.9	ng	422434	5	14.033	1435240	20.0
Hexacosane	14.815	4.3	ng	241512	6	15.504	1113860	20.0
Benzo[e]pyrene	15.074	2.5	ng	137581	6	15.504	1113860	20.0
Heneicosane	15.157	2.2	ng	122613	6	15.504	1113860	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Time: Mar 07 22:56:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

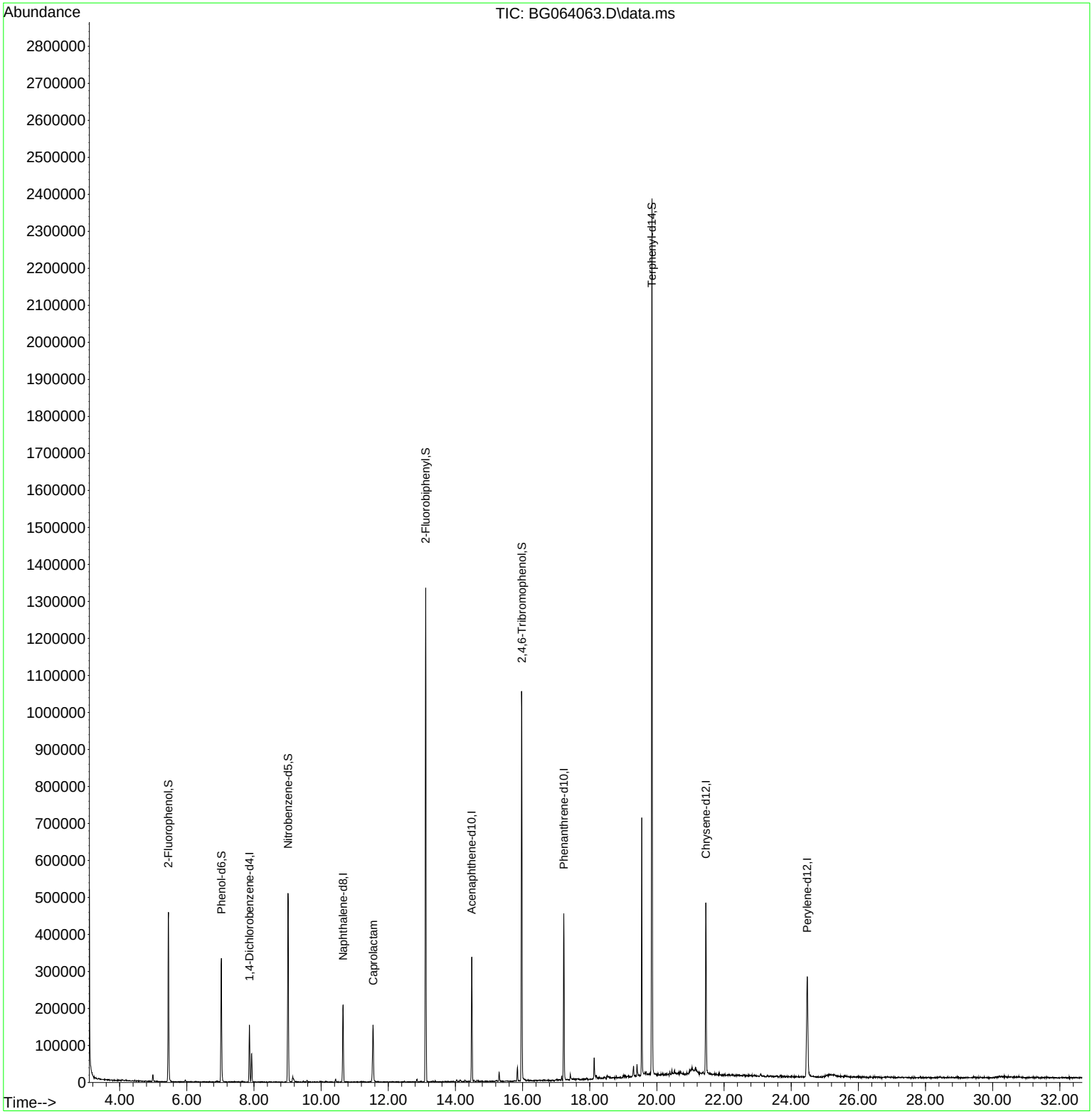
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	37672	20.000	ng	# 0.00
21) Naphthalene-d8	10.653	136	163817	20.000	ng	0.00
39) Acenaphthene-d10	14.484	164	111944	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	252643	20.000	ng	0.00
76) Chrysene-d12	21.458	240	258476	20.000	ng	0.00
86) Perylene-d12	24.478	264	269422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	179568	74.428	ng	0.00
7) Phenol-d6	7.028	99	160997	49.053	ng	0.00
23) Nitrobenzene-d5	9.014	82	272348	91.874	ng	0.00
42) 2,4,6-Tribromophenol	15.976	330	176739	142.035	ng	0.00
45) 2-Fluorobiphenyl	13.115	172	618595	83.877	ng	0.00
79) Terphenyl-d14	19.854	244	1084057	84.803	ng	0.00
Target Compounds						Qvalue
35) Caprolactam	11.552	113	22875	26.577	ng	88

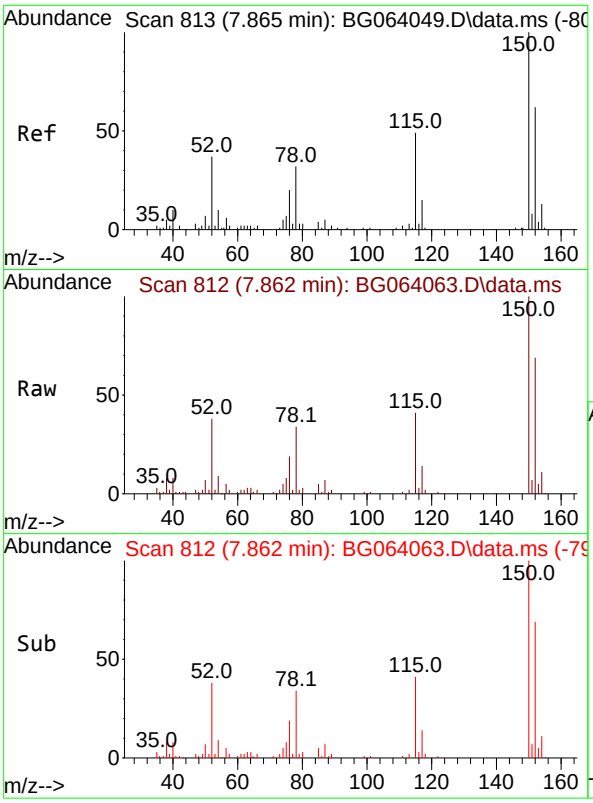
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Time: Mar 07 22:56:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



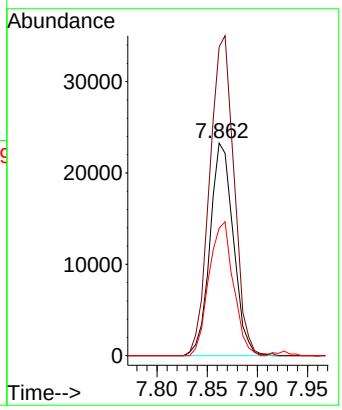


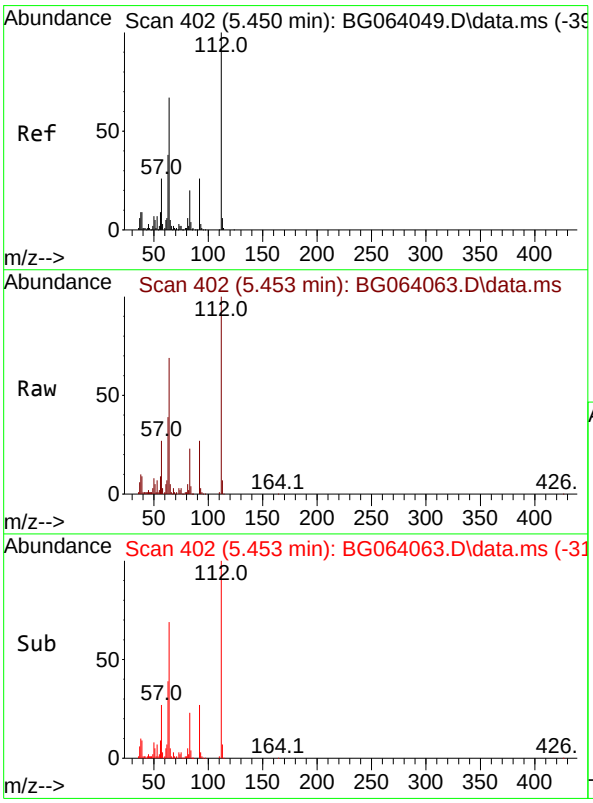
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:152 Resp: 37672

Ion	Ratio	Lower	Upper
152	100		
150	145.2	129.2	193.8
115	60.0	63.0	94.6#

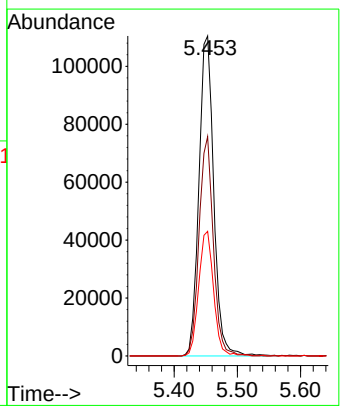


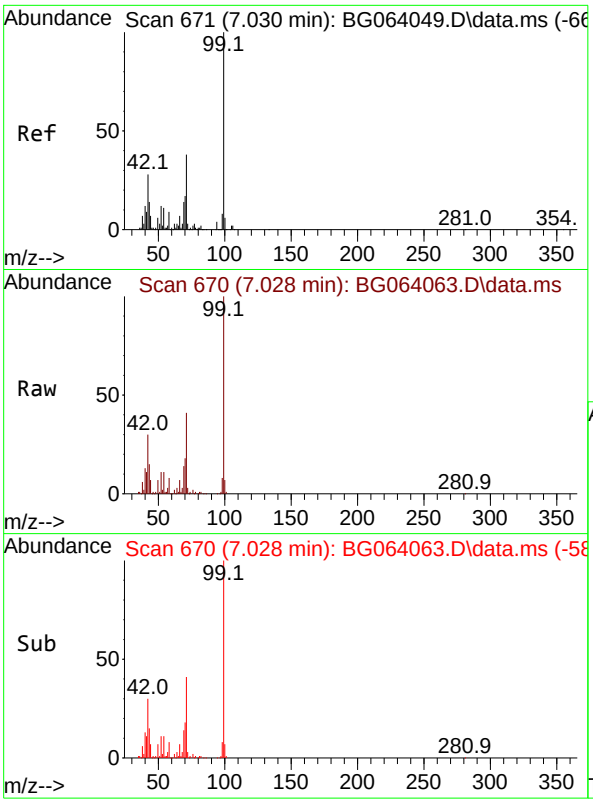


#5
2-Fluorophenol
Concen: 74.428 ng
RT: 5.453 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:112 Resp: 179568

Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.7	80.5
63	39.0	30.2	45.4



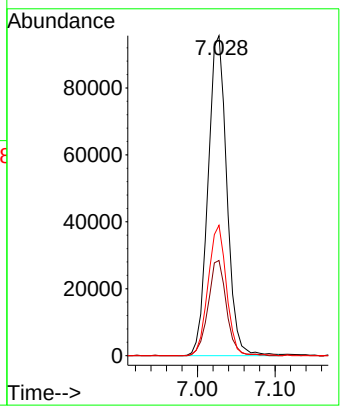


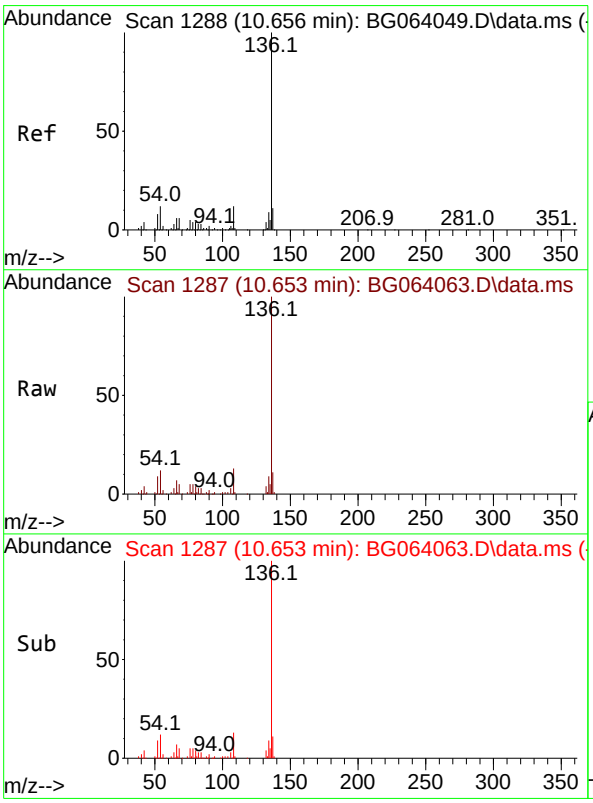
#7
Phenol-d6
Concen: 49.053 ng
RT: 7.028 min Scan# 6
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion: 99 Resp: 160997

Ion	Ratio	Lower	Upper
99	100		
42	29.8	22.7	34.1
71	40.7	30.6	46.0

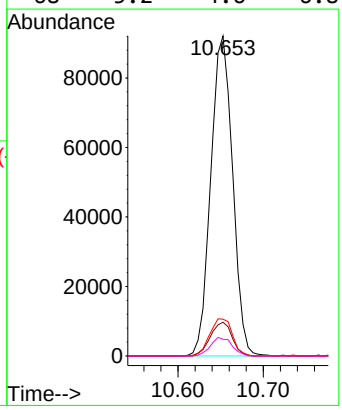


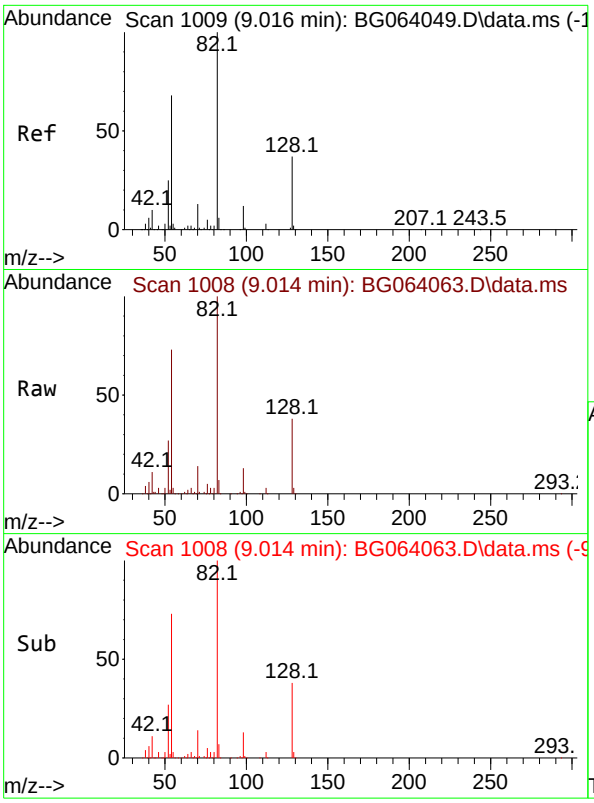


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.653 min Scan# 1287
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:136 Resp: 163817

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	11.5	9.9	14.9
68	5.2	4.6	6.8



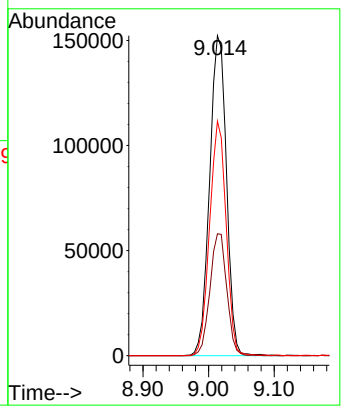


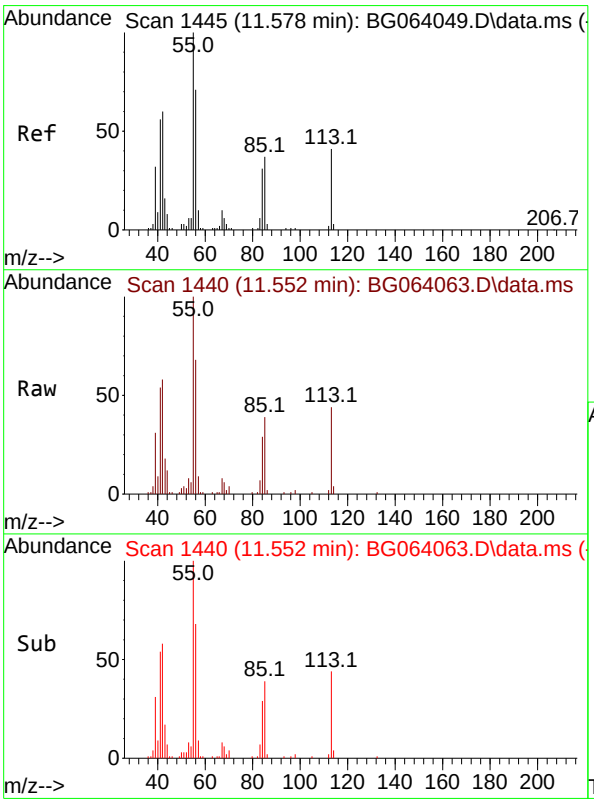
#23
Nitrobenzene-d5
Concen: 91.874 ng
RT: 9.014 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion: 82 Resp: 272348

Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.0	45.0
54	73.3	54.7	82.1

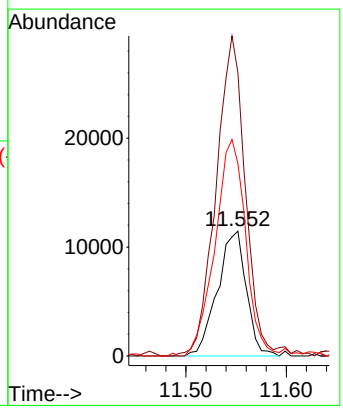


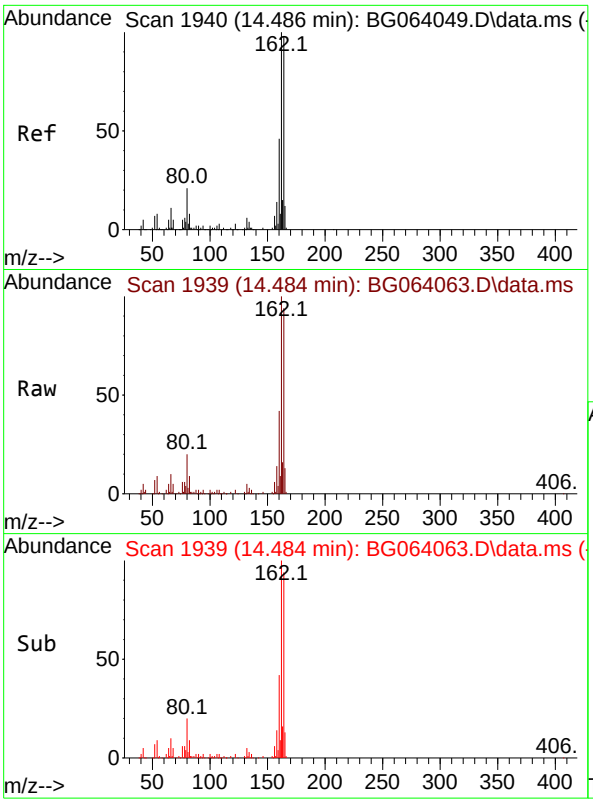


#35
Caprolactam
Concen: 26.577 ng
RT: 11.552 min Scan# 1440
Delta R.T. -0.026 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:113 Resp: 22875

Ion	Ratio	Lower	Upper
113	100		
55	227.1	225.2	265.2
56	154.1	153.4	193.4



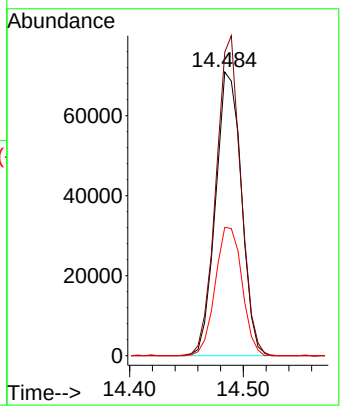


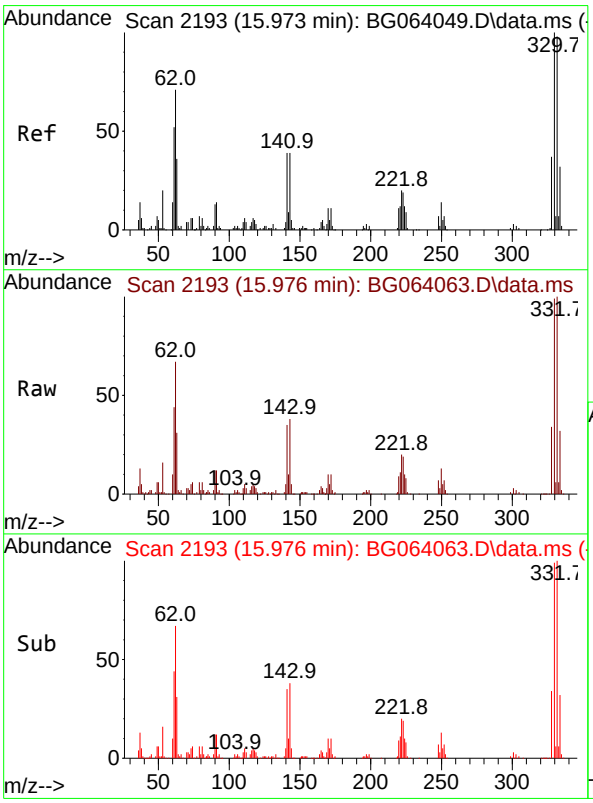
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.484 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:164 Resp: 111944

Ion	Ratio	Lower	Upper
164	100		
162	106.9	81.4	122.0
160	45.3	37.0	55.6

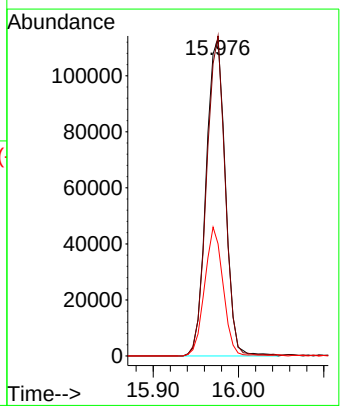


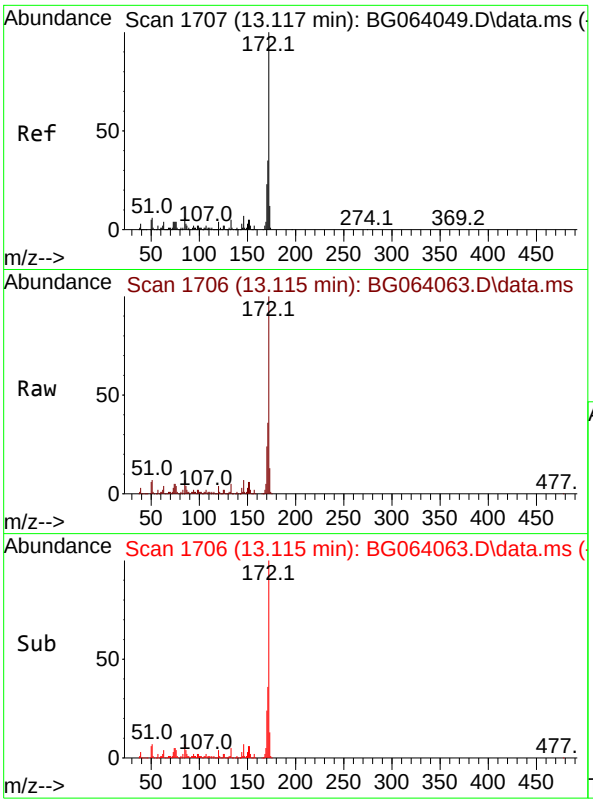


#42
2,4,6-Tribromophenol
Concen: 142.035 ng
RT: 15.976 min Scan# 2193
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:330 Resp: 176739

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.7	115.1
141	39.2	29.7	44.5



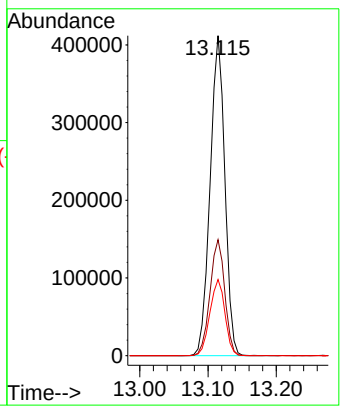


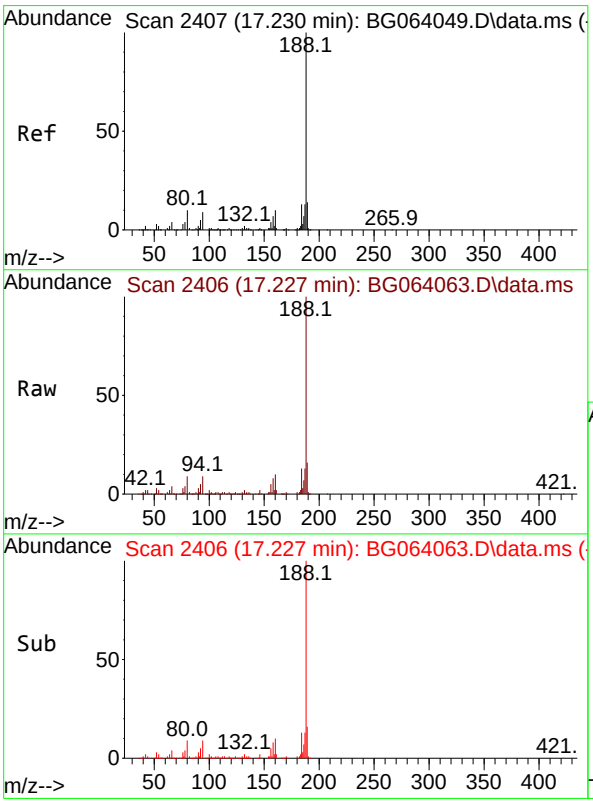
#45
2-Fluorobiphenyl
Concen: 83.877 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:172 Resp: 618595

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.0	42.0
170	23.8	18.7	28.1

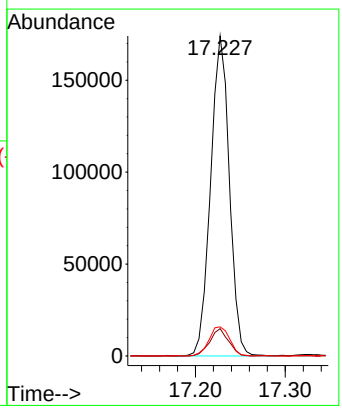


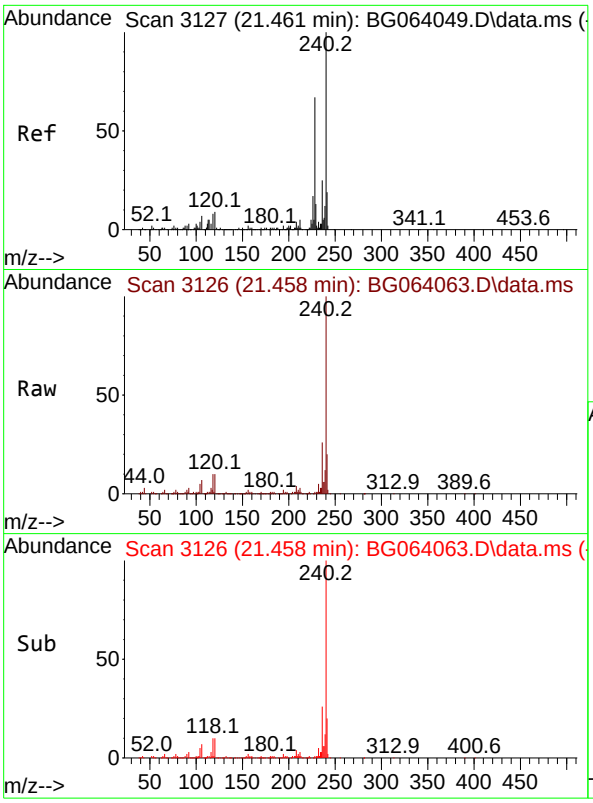


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:188 Resp: 252643

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.9	10.3
80	9.1	8.1	12.1



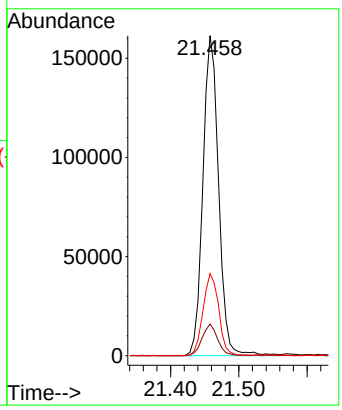


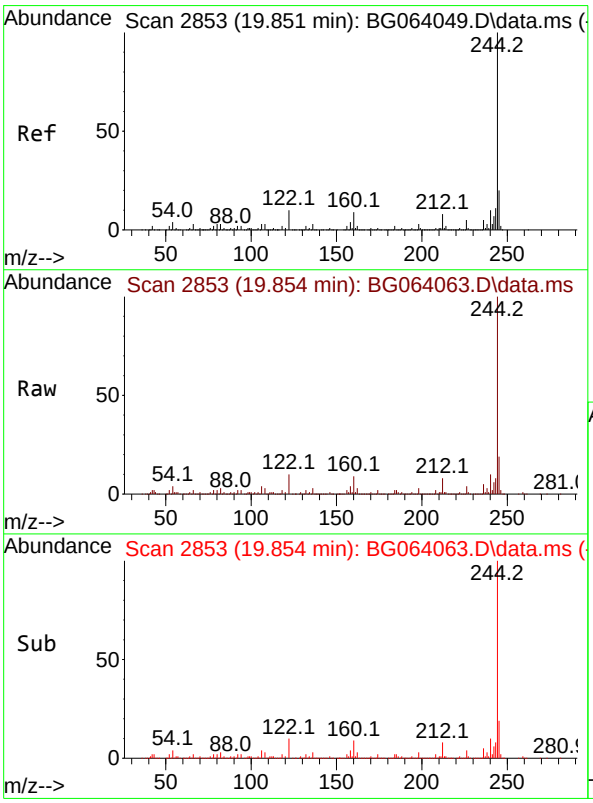
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.458 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:240 Resp: 258476

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.2	10.8
236	25.6	20.2	30.2

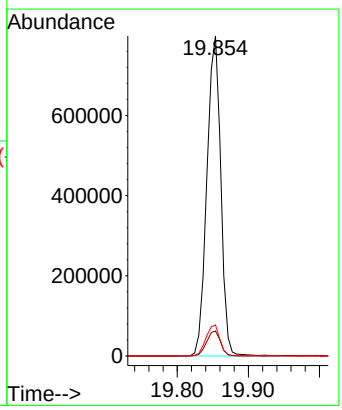


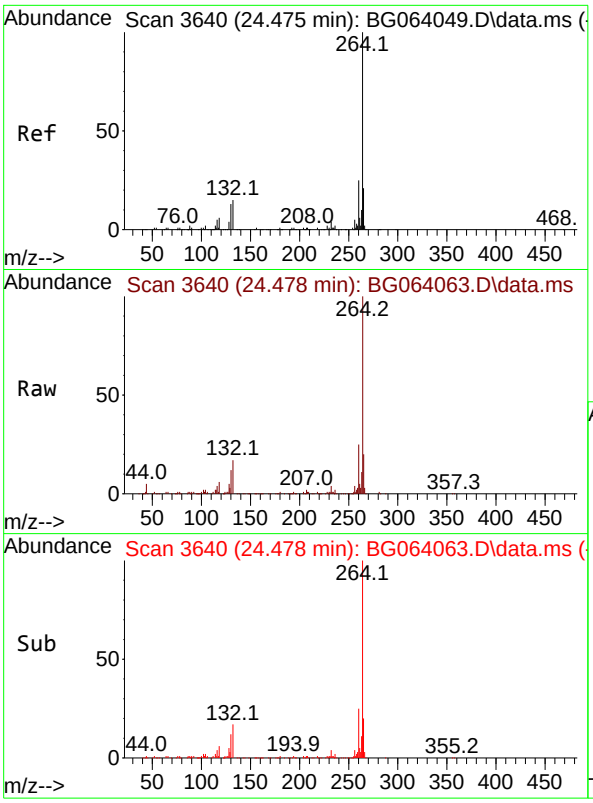


#79
Terphenyl-d14
Concen: 84.803 ng
RT: 19.854 min Scan# 2853
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:244 Resp: 1084057

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.4
122	9.7	8.0	12.0



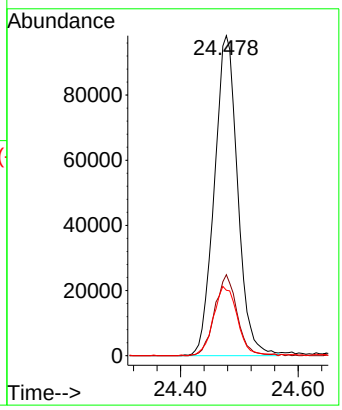


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.478 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:264 Resp: 269422

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.6	29.4
265	20.4	16.6	25.0



Sample Results: **BG064063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

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_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064063.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.453	393	402	415	rBV	457818	730979	21.53%	5.180%
2	7.028	663	670	682	rBV	334594	571358	16.83%	4.049%
3	7.862	806	812	818	rBV	154941	257909	7.60%	1.828%
4	7.932	818	824	830	rVB	76034	120776	3.56%	0.856%
5	9.014	998	1008	1017	rBV	510352	903170	26.61%	6.401%
6	9.155	1027	1032	1043	rBV7	14393	36125	1.06%	0.256%
7	10.653	1279	1287	1295	rBV	208775	368138	10.84%	2.609%
8	11.546	1428	1439	1451	rBV2	153839	313984	9.25%	2.225%
9	13.115	1698	1706	1712	rBV	1334693	1996785	58.82%	14.151%
10	14.489	1933	1940	1947	rVB	336863	530790	15.64%	3.762%
11	15.300	2072	2078	2084	rBV4	24302	36780	1.08%	0.261%
12	15.847	2166	2171	2177	rVB	37679	54630	1.61%	0.387%
13	15.970	2185	2192	2202	rBV	1053502	1629722	48.01%	11.550%
14	17.227	2400	2406	2417	rBV	450989	671593	19.78%	4.760%
15	18.132	2554	2560	2567	rBV3	57970	95824	2.82%	0.679%
16	19.301	2754	2759	2764	rVB3	26081	39344	1.16%	0.279%
17	19.407	2773	2777	2783	rBV6	32733	47860	1.41%	0.339%
18	19.548	2796	2801	2812	rBV	697446	836344	24.64%	5.927%
19	19.854	2846	2853	2864	rBV	2365272	3394646	100.00%	24.058%
20	21.458	3120	3126	3137	rBV	462902	741526	21.84%	5.255%
21	24.478	3630	3640	3649	rBV2	270171	732084	21.57%	5.188%

Sum of corrected areas: 14110367

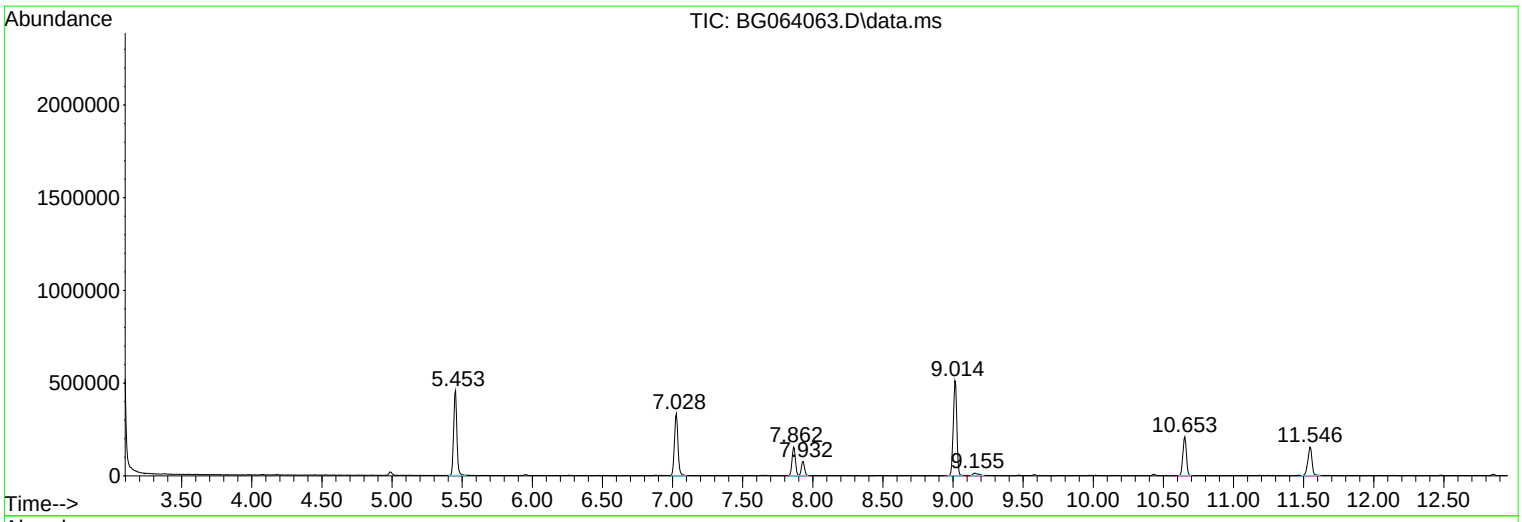
Sample Results: **BG064063.D**

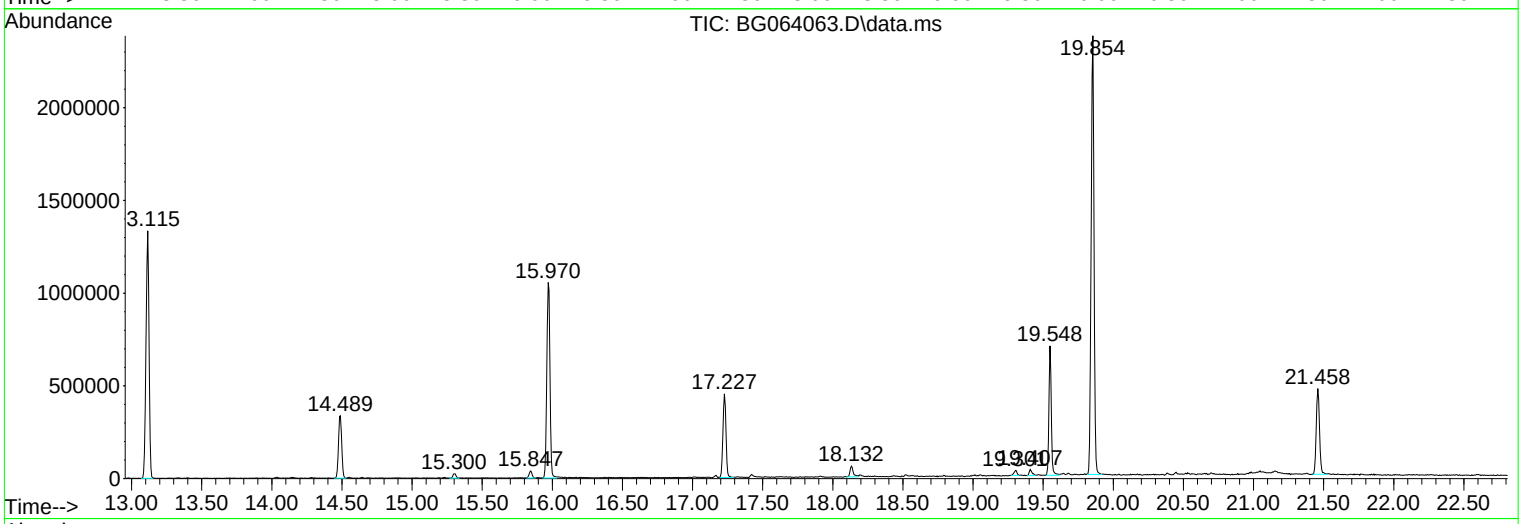
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

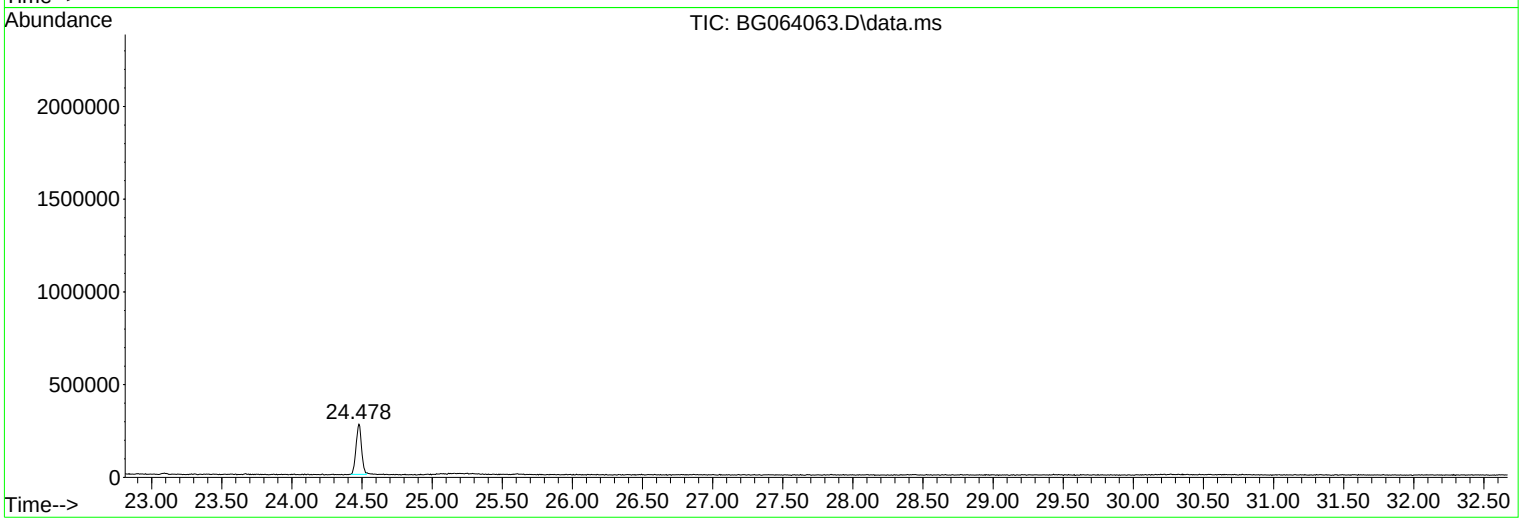
Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

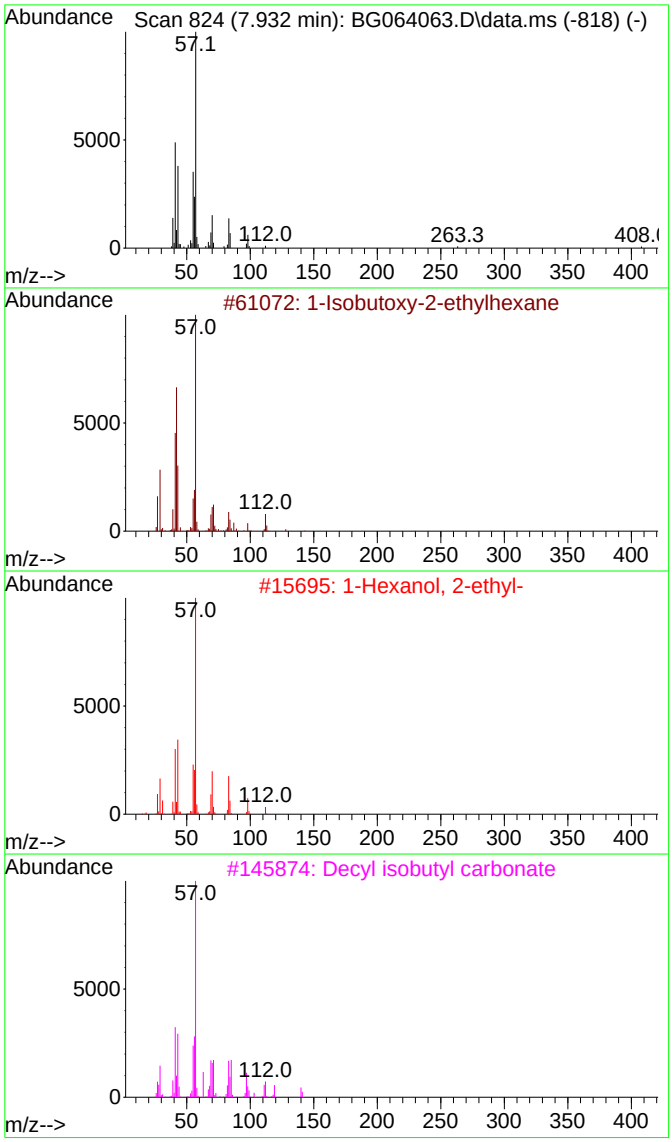
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

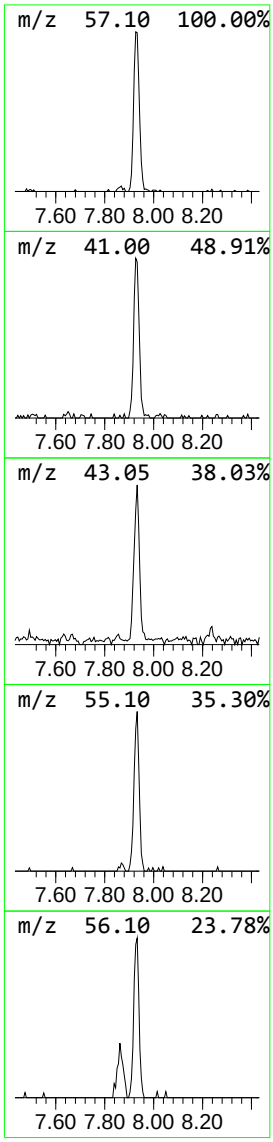
****

Peak Number 1 1-Isobutoxy-2-ethylhexane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.932	9.37 ng	120776	1,4-Dichlorobenzene-d4	7.862

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	72
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
3	Decyl isobutyl carbonate	258	C15H30O3	959226-07-4	56
4	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	53
5	1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

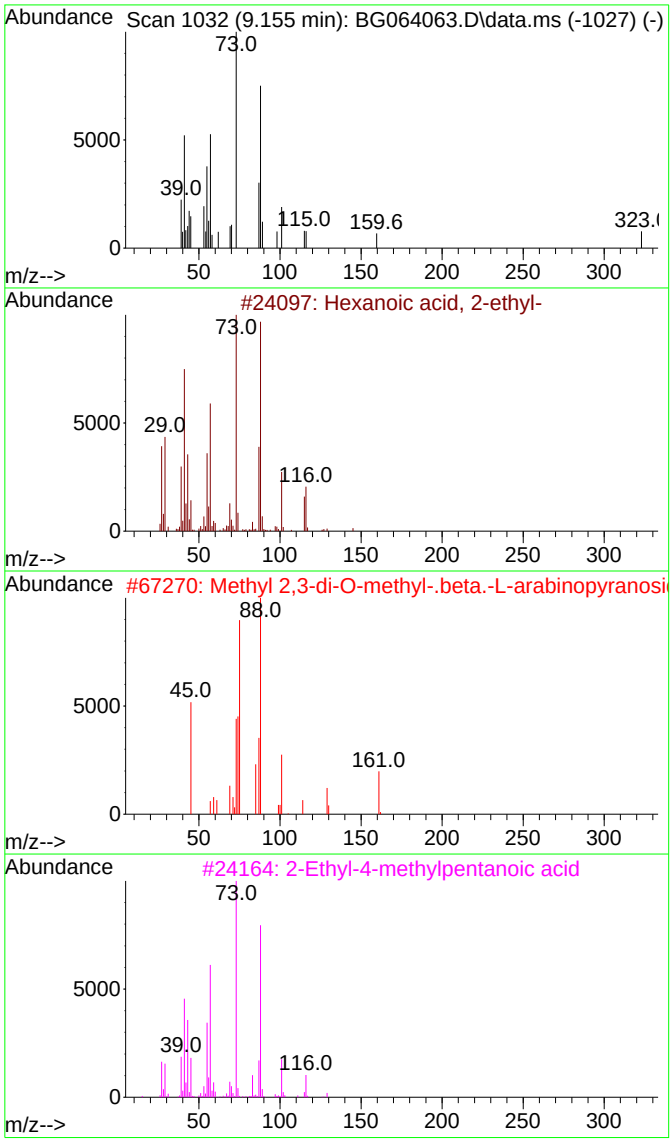
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

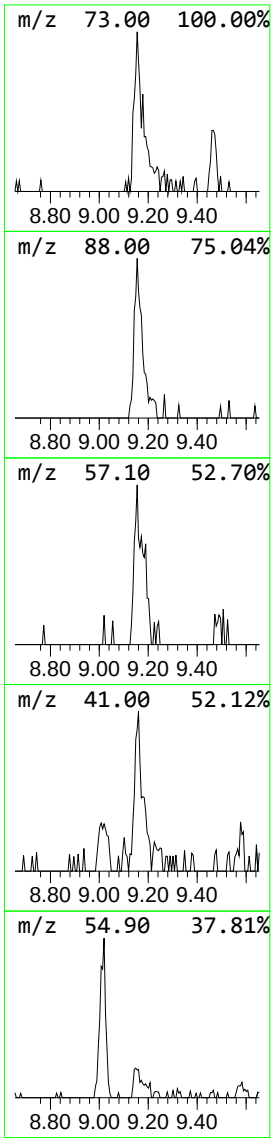
****

Peak Number 2 Hexanoic acid, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.155	2.80 ng	36125	1,4-Dichlorobenzene-d4	7.862

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	59
2	Methyl 2,3-di-O-methyl-.beta.-L-...	192	C8H16O5	053989-92-7	42
3	2-Ethyl-4-methylpentanoic acid	144	C8H16O2	000108-81-6	42
4	Heptanoic acid, ethyl ester	158	C9H18O2	000106-30-9	38
5	Pentanoic acid, ethyl ester	130	C7H14O2	000539-82-2	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

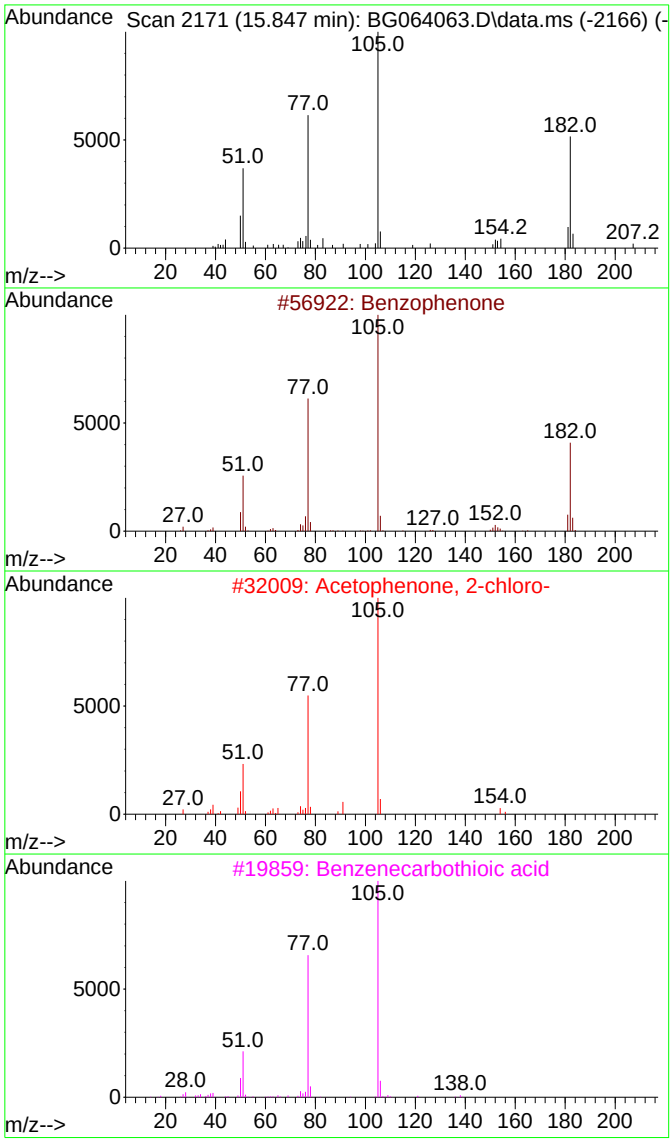
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

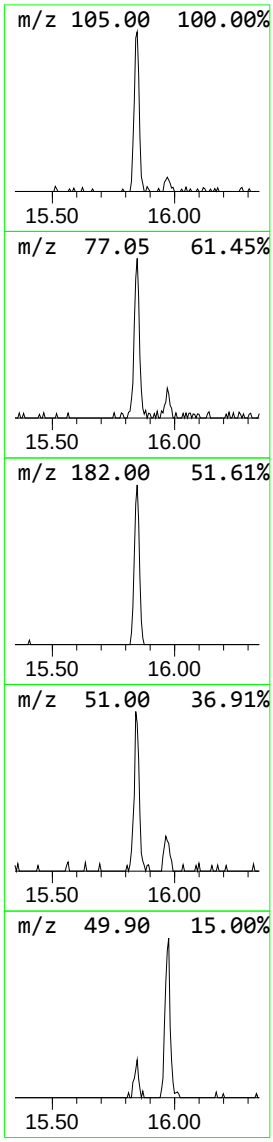
****

Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.847	2.06 ng	54630	Acenaphthene-d10	14.484

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
3	Benzenecarbothioic acid	138	C7H6OS	000098-91-9	43
4	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	43
5	S-Benzoyl(thiohydroxylamine)	153	C7H7NOS	025740-80-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

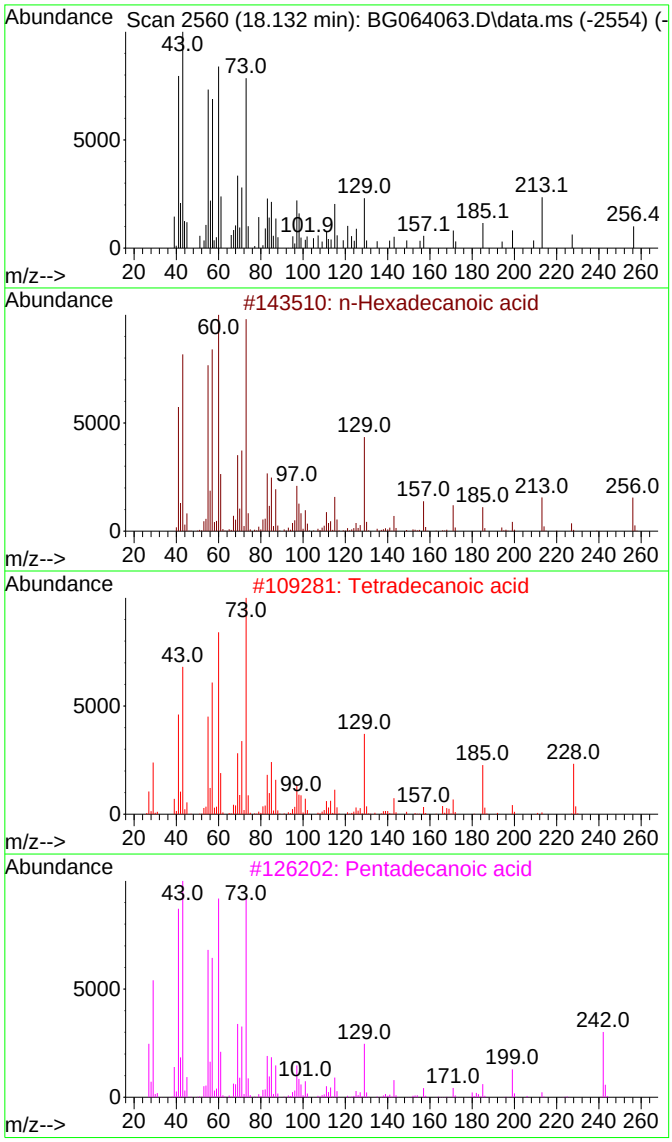
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

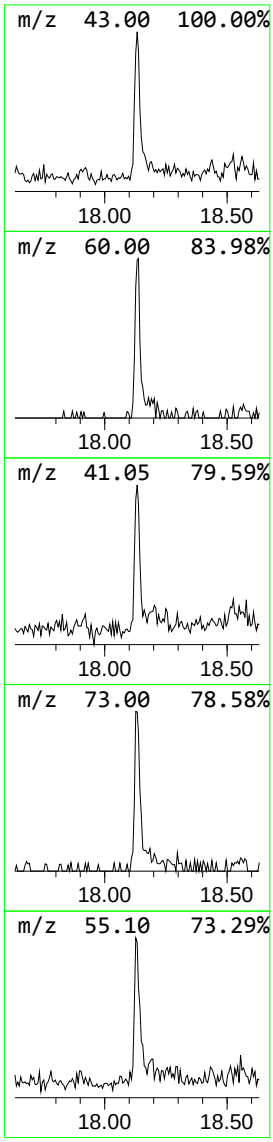
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.132	2.85 ng	95824	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	50
4	Undecanoic acid	186	C11H22O2	000112-37-8	50
5	n-Decanoic acid	172	C10H20O2	000334-48-5	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

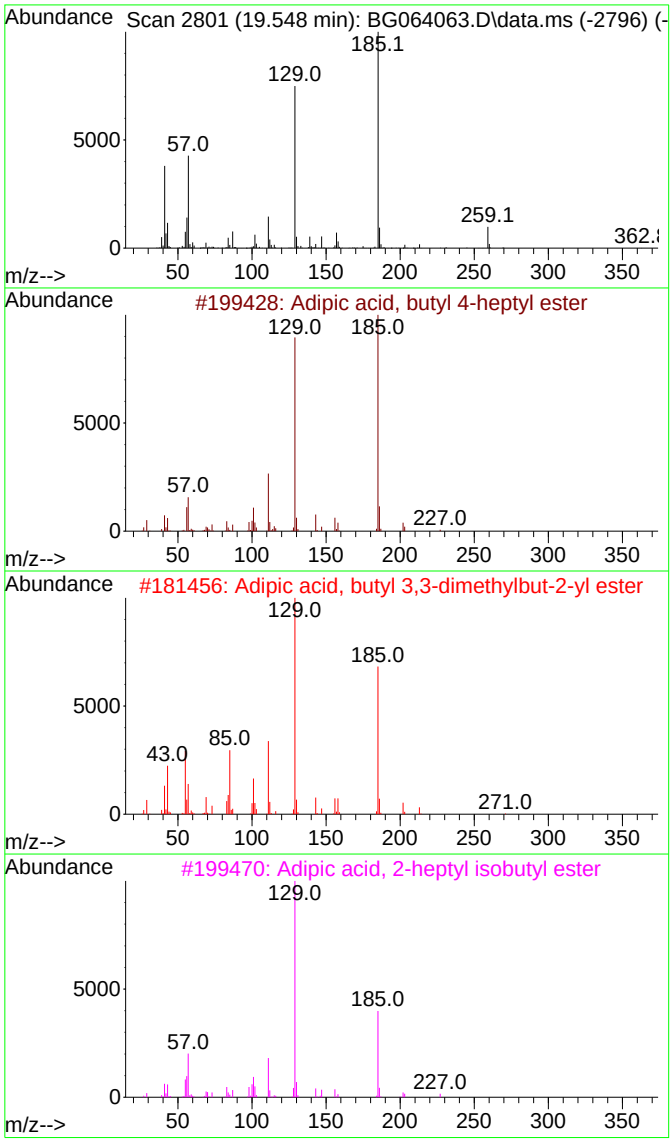
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

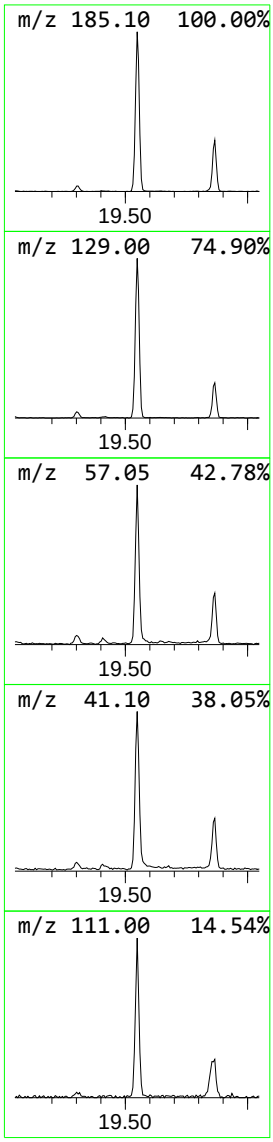
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Adipic acid, butyl 4-heptyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.548	22.56 ng	836344	Chrysene-d12	21.458

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adipic acid, butyl 4-heptyl ester	300	C17H32O4	1000349-73-7	72
2	Adipic acid, butyl 3,3-dimethylb...	286	C16H30O4	1000353-66-8	72
3	Adipic acid, 2-heptyl isobutyl e...	300	C17H32O4	1000353-64-3	72
4	Butyl citrate	360	C18H32O7	000077-94-1	72
5	Adipic acid, 2-hexyl isobutyl ester	286	C16H30O4	1000353-70-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Isobutoxy-2-e...	7.932	9.4	ng	120776	1	7.862	257909	20.0
Hexanoic acid, ...	9.155	2.8	ng	36125	1	7.862	257909	20.0
Benzophenone	15.847	2.1	ng	54630	3	14.484	530790	20.0
n-Hexadecanoic ...	18.132	2.9	ng	95824	4	17.227	671593	20.0
Adipic acid, bu...	19.548	22.6	ng	836344	5	21.458	741526	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Time: Mar 07 22:58:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

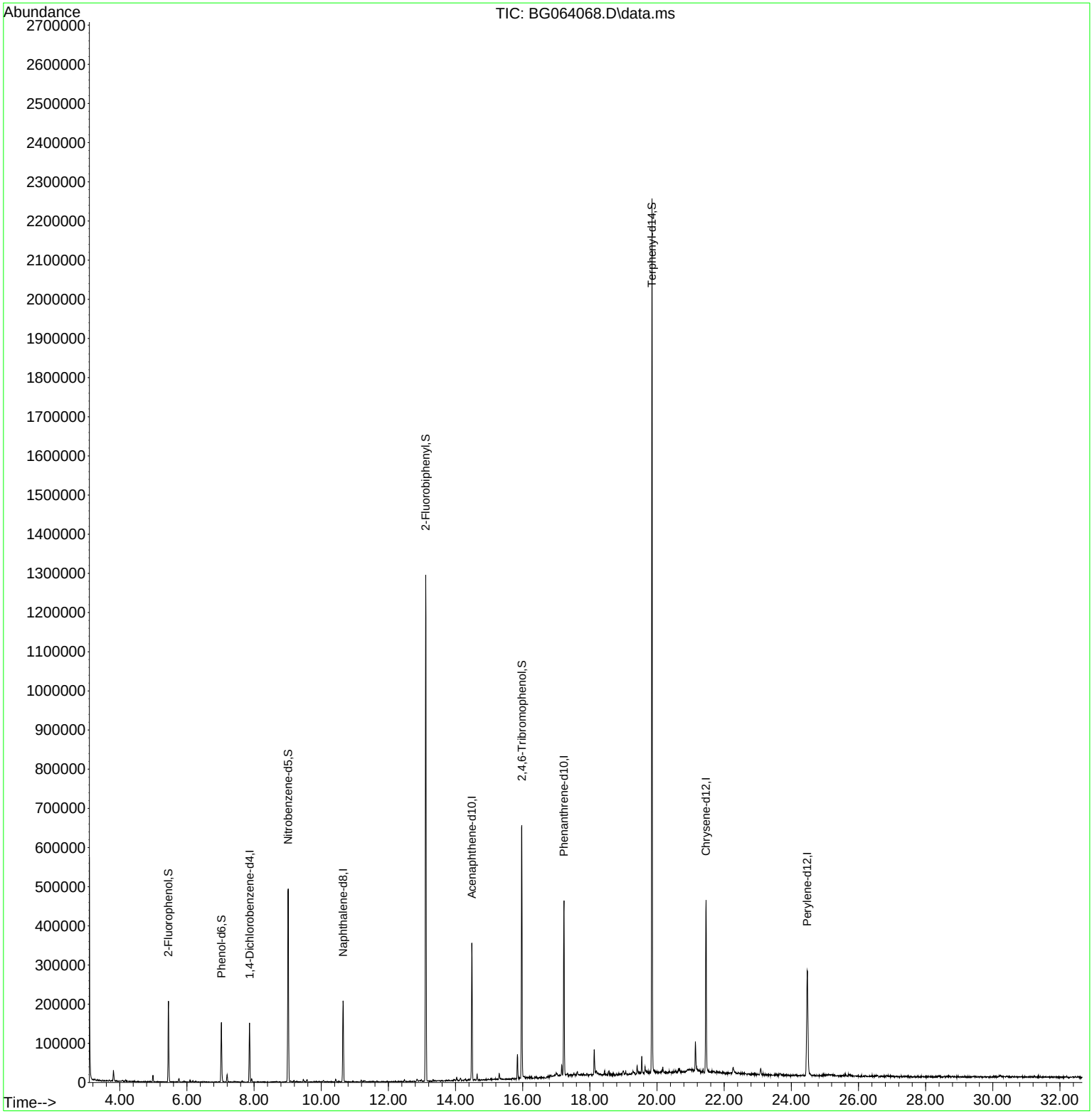
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	34746	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	161327	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	115460	20.000	ng	0.00
64) Phenanthrene-d10	17.230	188	254589	20.000	ng	0.00
76) Chrysene-d12	21.460	240	250403	20.000	ng	0.00
86) Perylene-d12	24.474	264	270468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.450	112	75993	34.150	ng	0.00
7) Phenol-d6	7.024	99	72325	23.892	ng	0.00
23) Nitrobenzene-d5	9.016	82	262742	90.001	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	108106	84.233	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	610439	80.251	ng	0.00
79) Terphenyl-d14	19.850	244	1005608	81.203	ng	0.00
Target Compounds						Qvalue

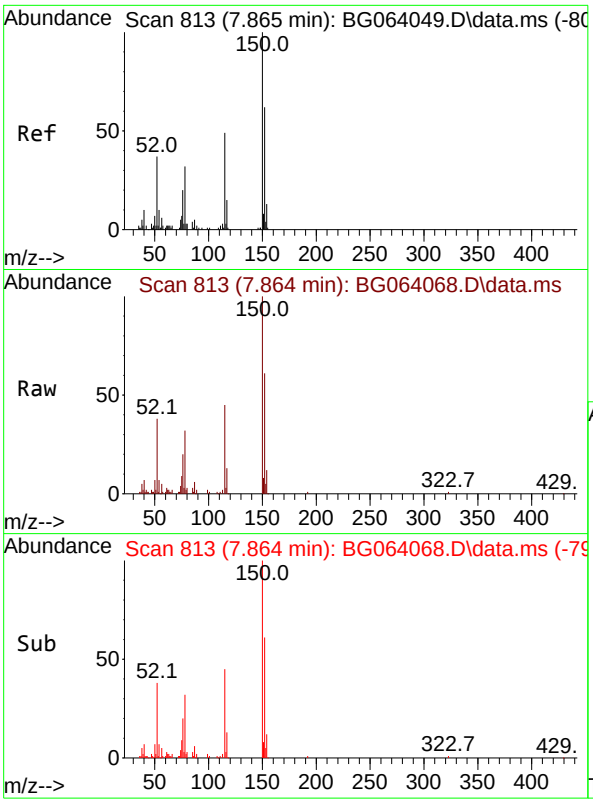
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Time: Mar 07 22:58:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



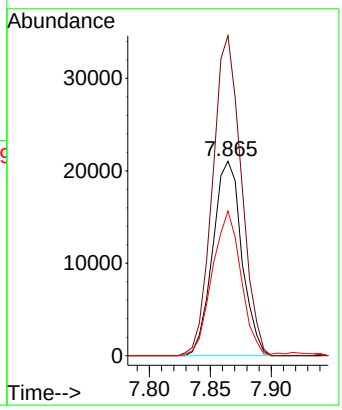


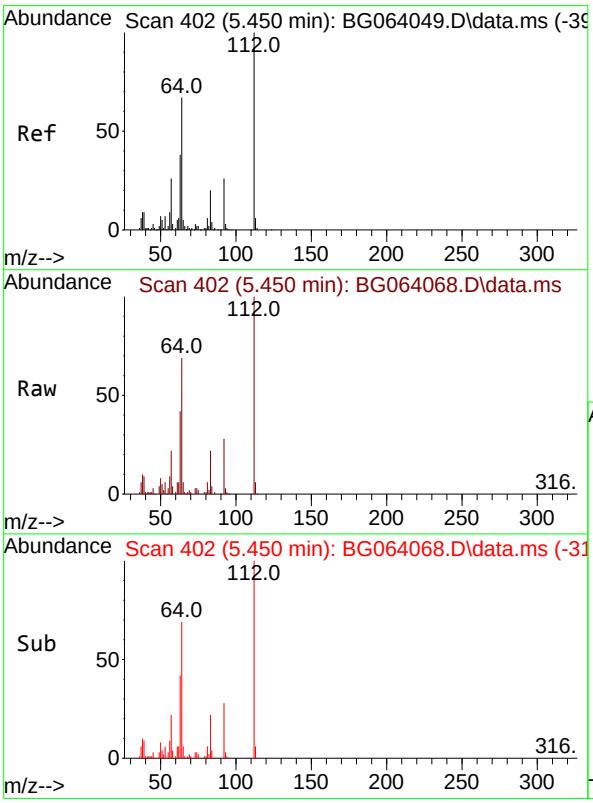
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Tgt Ion:152 Resp: 34746

Ion	Ratio	Lower	Upper
152	100		
150	164.6	129.2	193.8
115	74.4	63.0	94.6

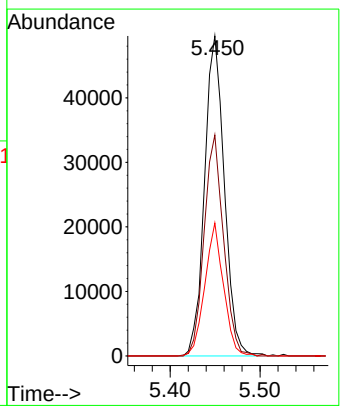


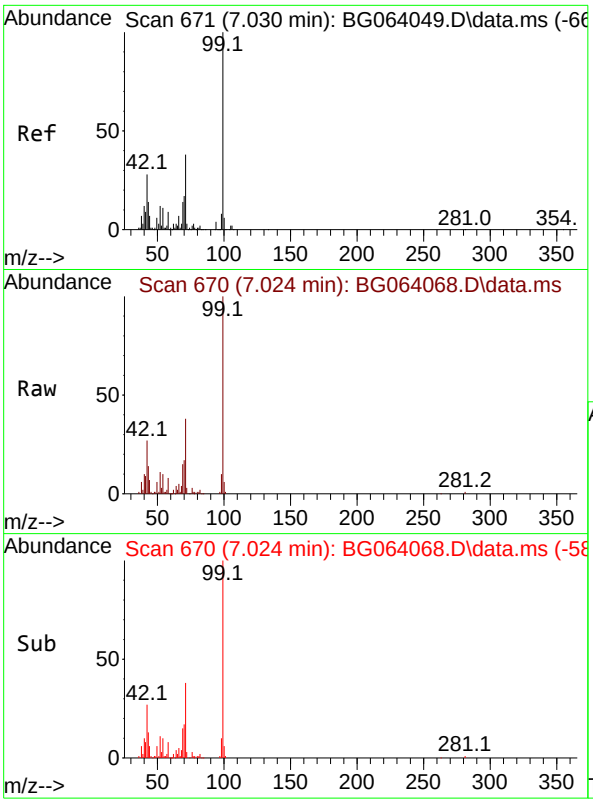


#5
2-Fluorophenol
Concen: 34.150 ng
RT: 5.450 min Scan# 402
Delta R.T. -0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Tgt Ion:112 Resp: 75993

Ion	Ratio	Lower	Upper
112	100		
64	69.1	53.7	80.5
63	41.6	30.2	45.4



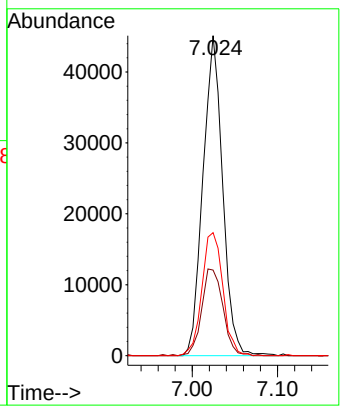


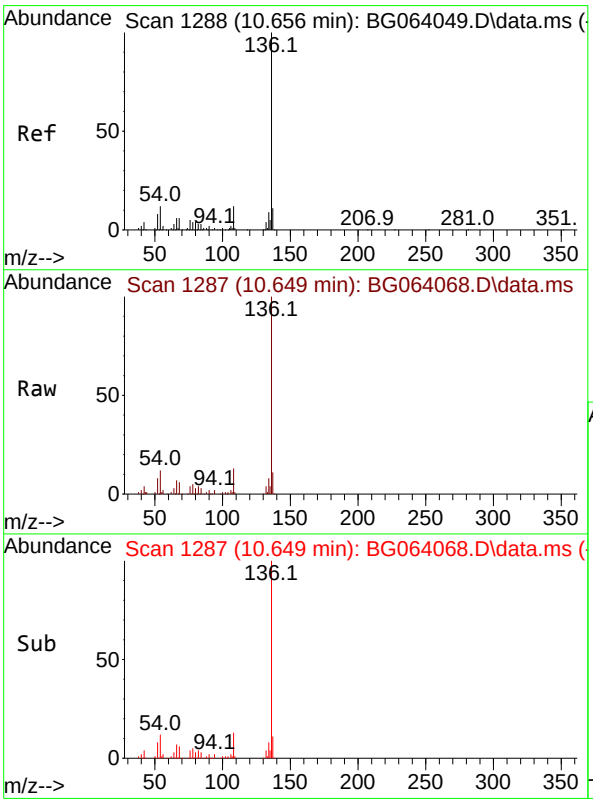
#7
Phenol-d6
Concen: 23.892 ng
RT: 7.024 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Tgt Ion: 99 Resp: 72325

Ion	Ratio	Lower	Upper
99	100		
42	26.8	22.7	34.1
71	38.4	30.6	46.0

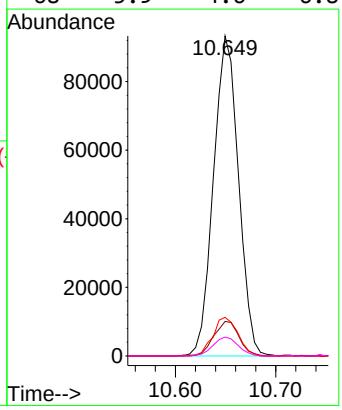


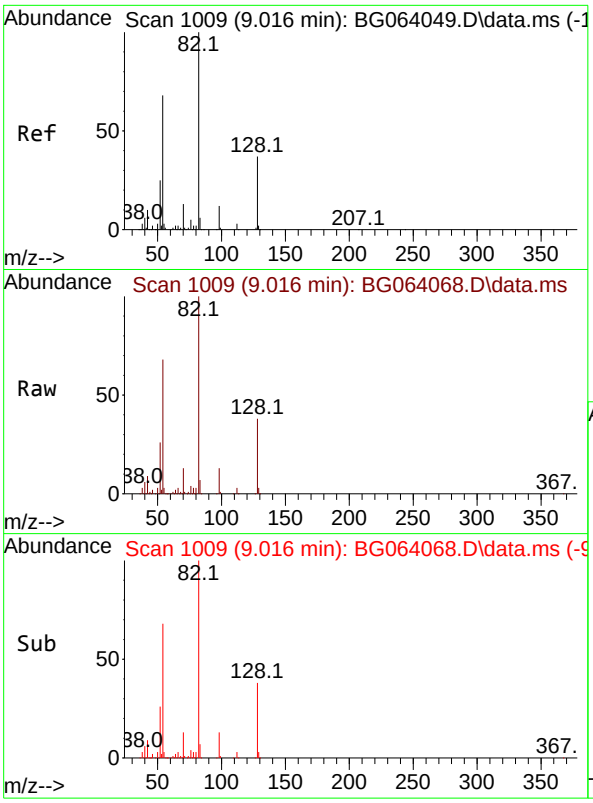


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Tgt Ion:136 Resp: 161327

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	12.1	9.9	14.9
68	5.9	4.6	6.8



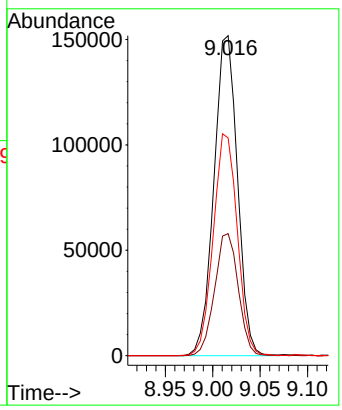


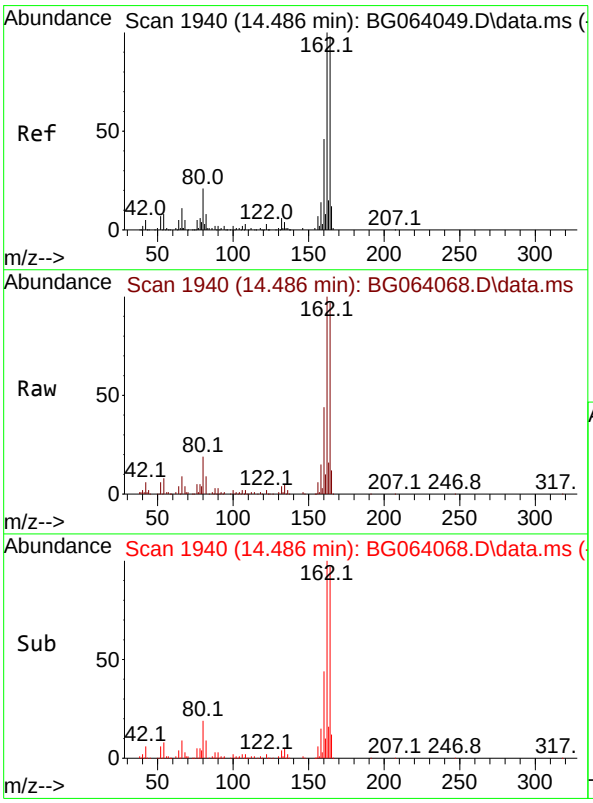
#23
Nitrobenzene-d5
Concen: 90.001 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Tgt Ion: 82 Resp: 262742

Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.0	45.0
54	68.0	54.7	82.1

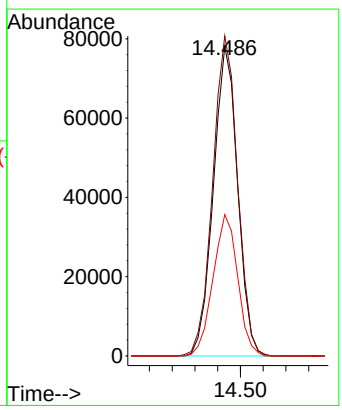


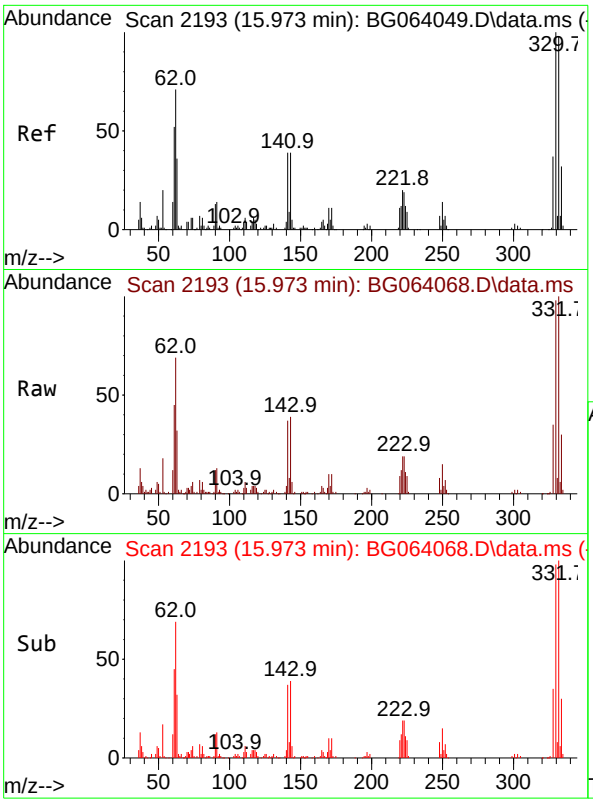


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Tgt Ion:164 Resp: 115460

Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.4	122.0
160	45.6	37.0	55.6



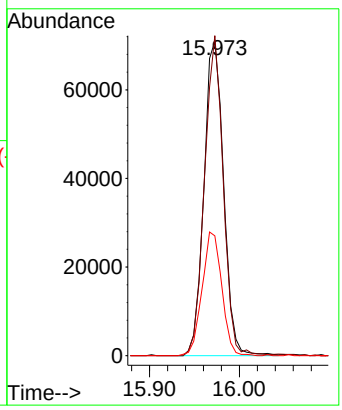


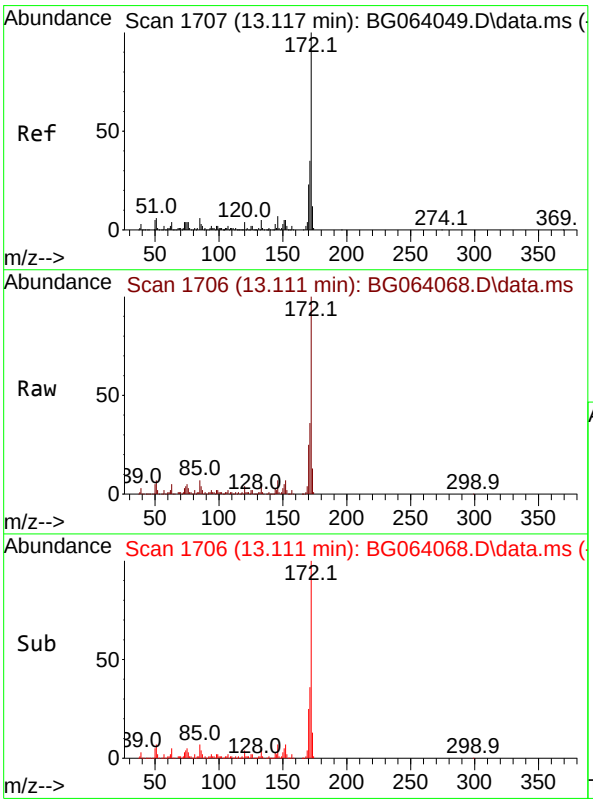
#42
2,4,6-Tribromophenol
Concen: 84.233 ng
RT: 15.973 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Tgt Ion:330 Resp: 108106

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.7	115.1
141	39.3	29.7	44.5

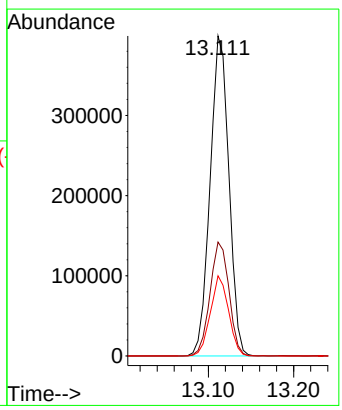


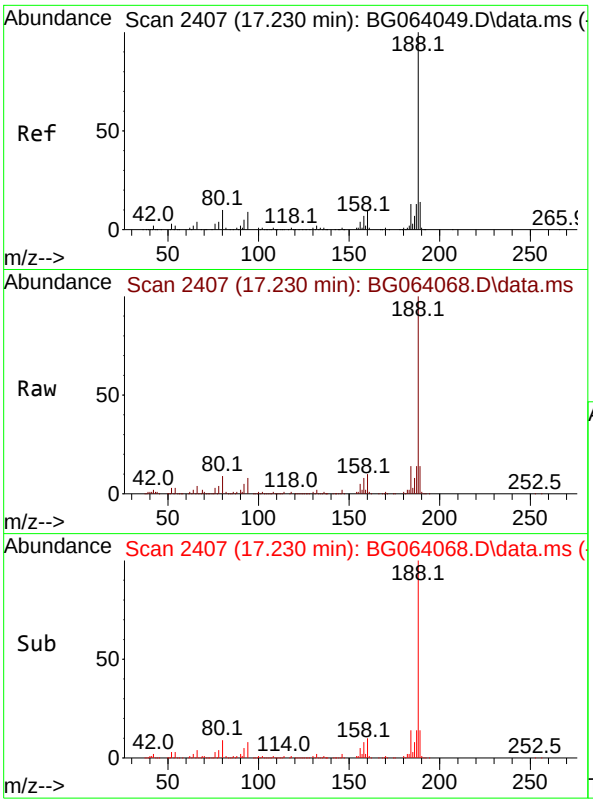


#45
2-Fluorobiphenyl
Concen: 80.251 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Tgt Ion:172 Resp: 610439

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.0	42.0
170	25.1	18.7	28.1



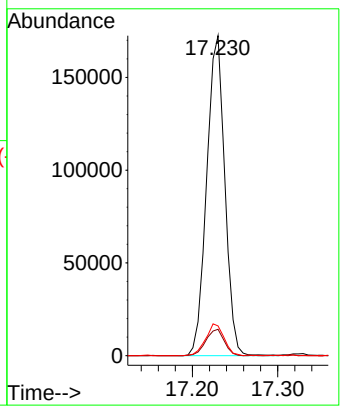


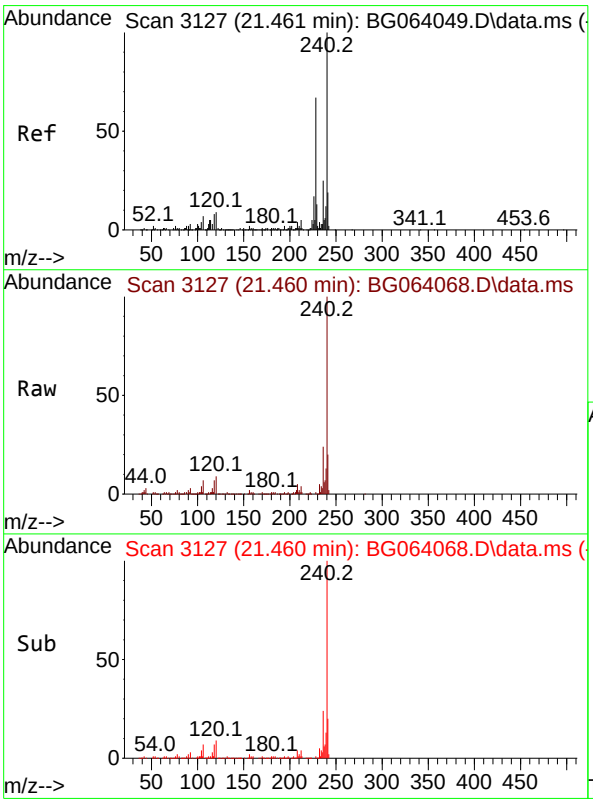
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.230 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Tgt Ion:188 Resp: 254589

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.9	10.3
80	9.3	8.1	12.1

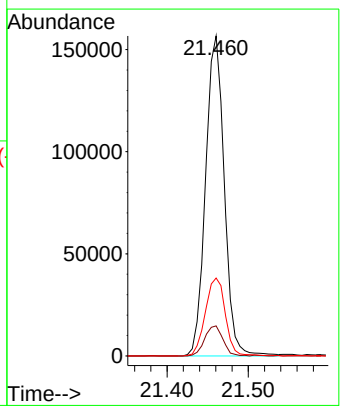


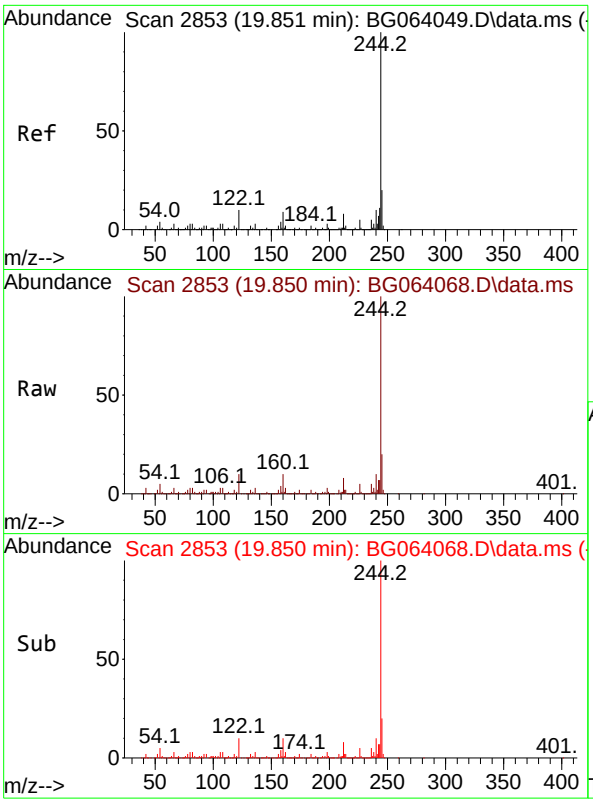


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.460 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Tgt Ion:240 Resp: 250403

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.2	10.8
236	24.4	20.2	30.2



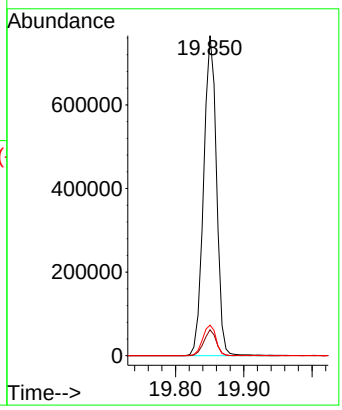


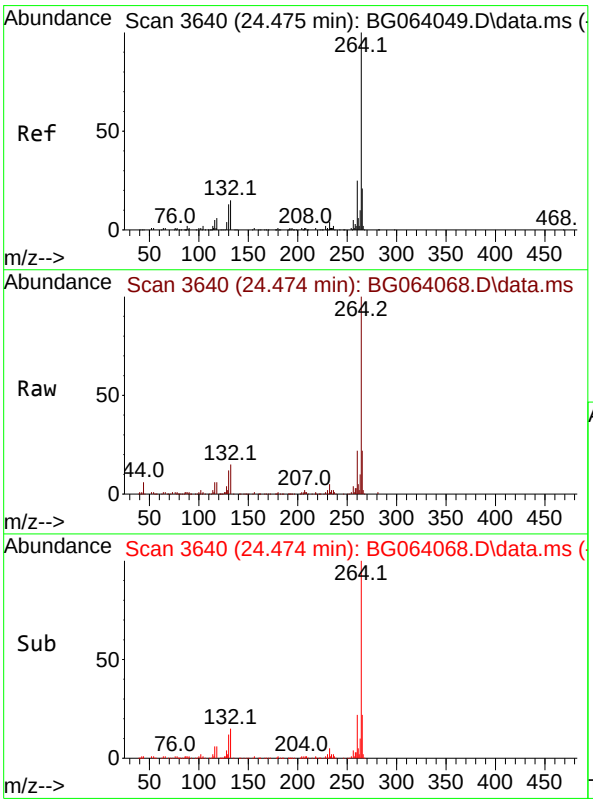
#79
Terphenyl-d14
Concen: 81.203 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Tgt Ion:244 Resp: 1005608

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	9.5	8.0	12.0

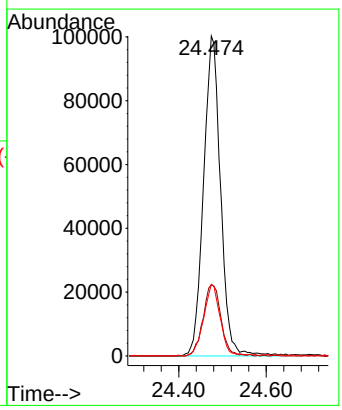




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3640
Delta R.T. -0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Tgt Ion:264 Resp: 270468

Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.6	29.4
265	22.4	16.6	25.0



Sample Results: **BG064068.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

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_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064068.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.810	119	123	132	rVB	27951	44354	1.53%	0.398%
2	5.450	395	402	412	rBV	206628	314243	10.83%	2.819%
3	7.024	663	670	678	rBV	152635	259398	8.94%	2.327%
4	7.195	694	699	705	rBV3	18769	31892	1.10%	0.286%
5	7.865	806	813	820	rBV	150943	248759	8.57%	2.232%
6	9.016	1001	1009	1017	rVB	492995	867285	29.89%	7.781%
7	10.649	1280	1287	1295	rBV	207101	365108	12.58%	3.276%
8	13.111	1699	1706	1713	rBV	1292646	1962379	67.64%	17.605%
9	14.486	1932	1940	1947	rVB	351159	543947	18.75%	4.880%
10	15.843	2165	2171	2178	rBV	64314	96520	3.33%	0.866%
11	15.973	2187	2193	2201	rBV	646203	992183	34.20%	8.901%
12	17.160	2391	2395	2400	rVB	25890	32714	1.13%	0.293%
13	17.230	2400	2407	2413	rBV	445718	666852	22.99%	5.983%
14	18.129	2556	2560	2568	rBV2	63074	101541	3.50%	0.911%
15	19.410	2775	2778	2782	rBV3	20868	29450	1.02%	0.264%
16	19.545	2797	2801	2808	rBV2	43340	56900	1.96%	0.510%
17	19.645	2813	2818	2824	rBV7	19167	36524	1.26%	0.328%
18	19.850	2847	2853	2862	rBV	2230071	2901168	100.00%	26.028%
19	21.143	3069	3073	3079	rBV2	72938	109517	3.77%	0.983%
20	21.460	3120	3127	3138	rBV2	440309	724993	24.99%	6.504%
21	23.088	3400	3404	3410	rVB5	16651	30857	1.06%	0.277%
22	24.474	3630	3640	3651	rBV2	268037	729948	25.16%	6.549%

Sum of corrected areas: 11146532

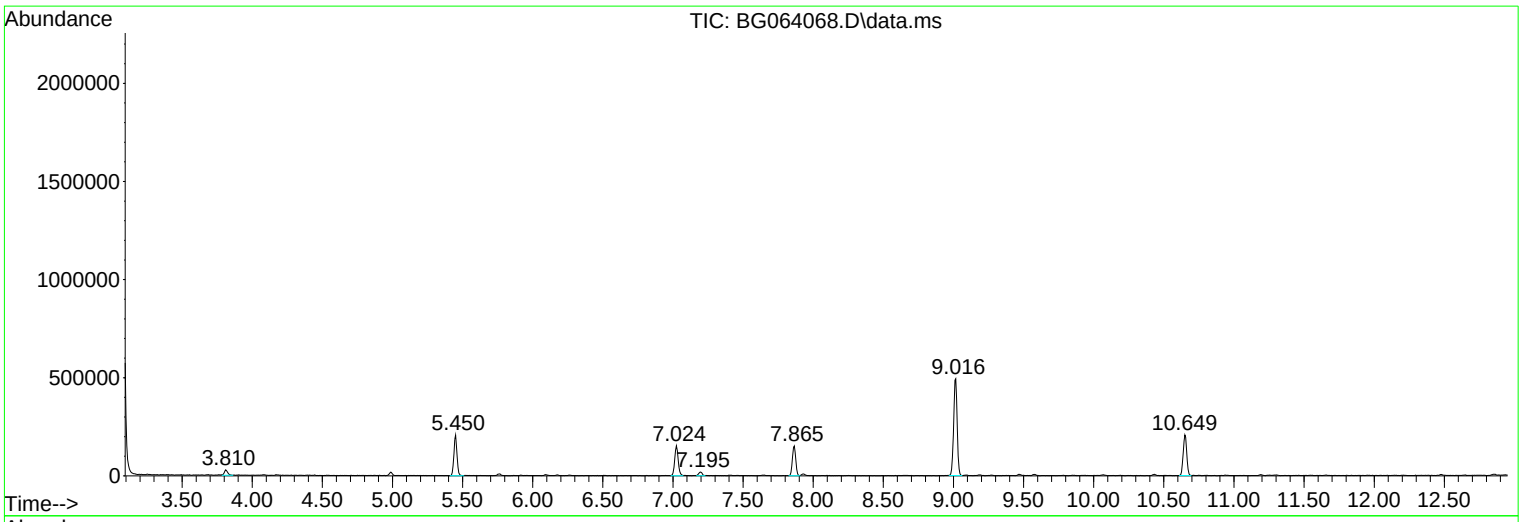
Sample Results: **BG064068.D**

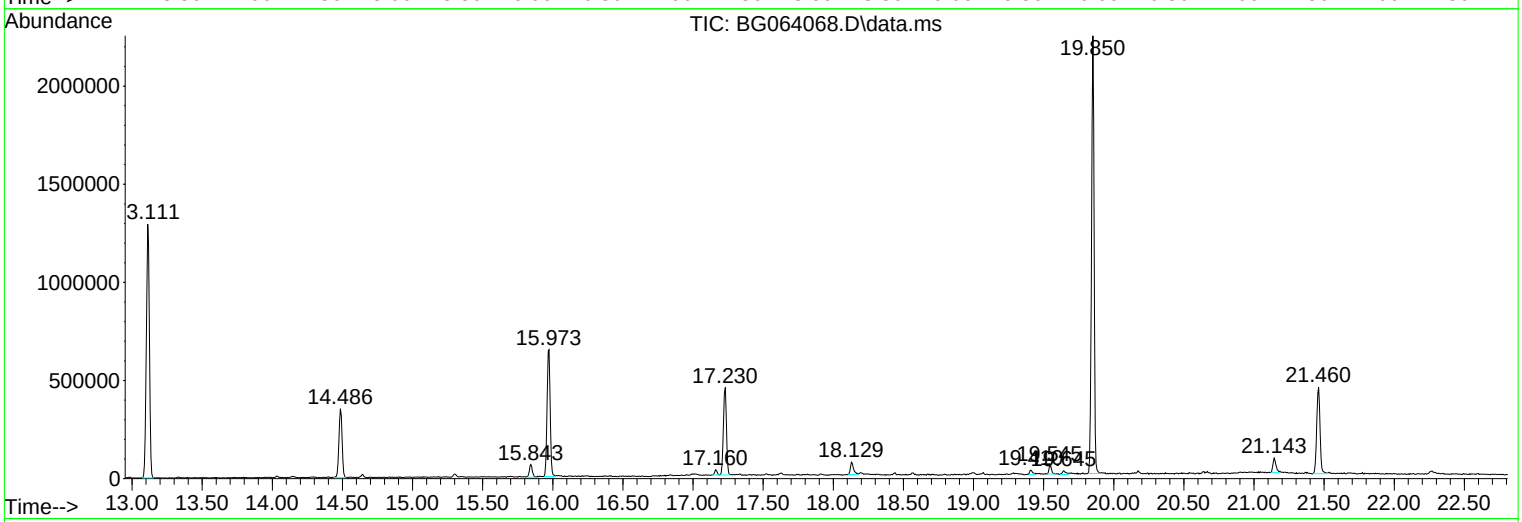
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

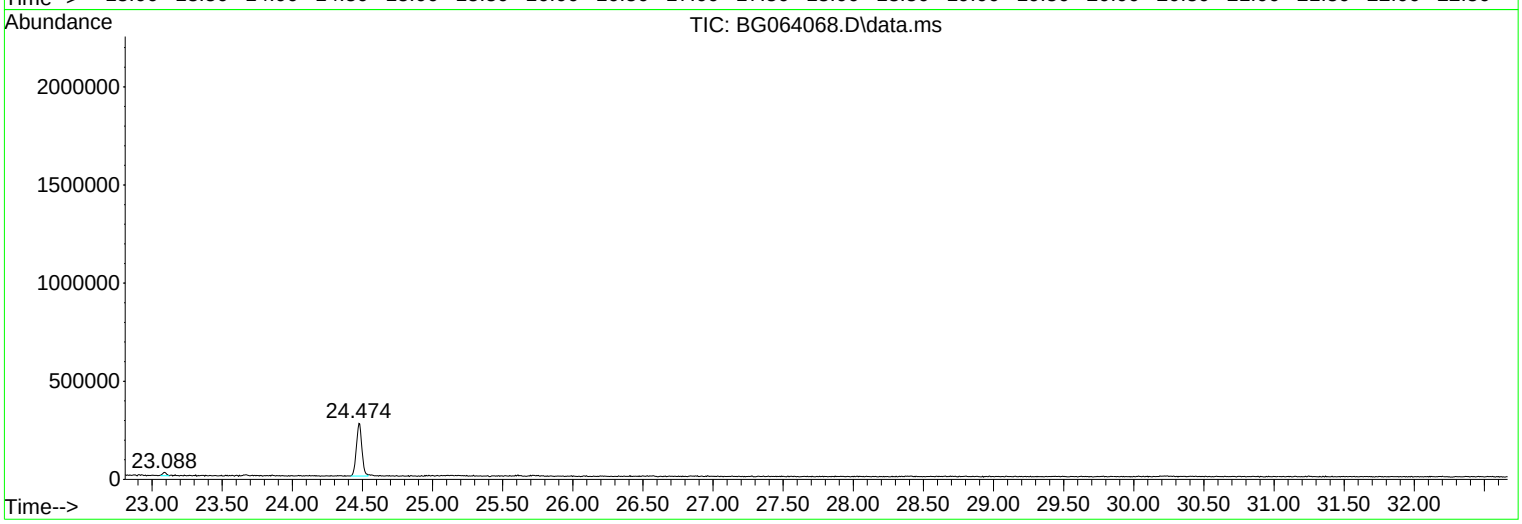
Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

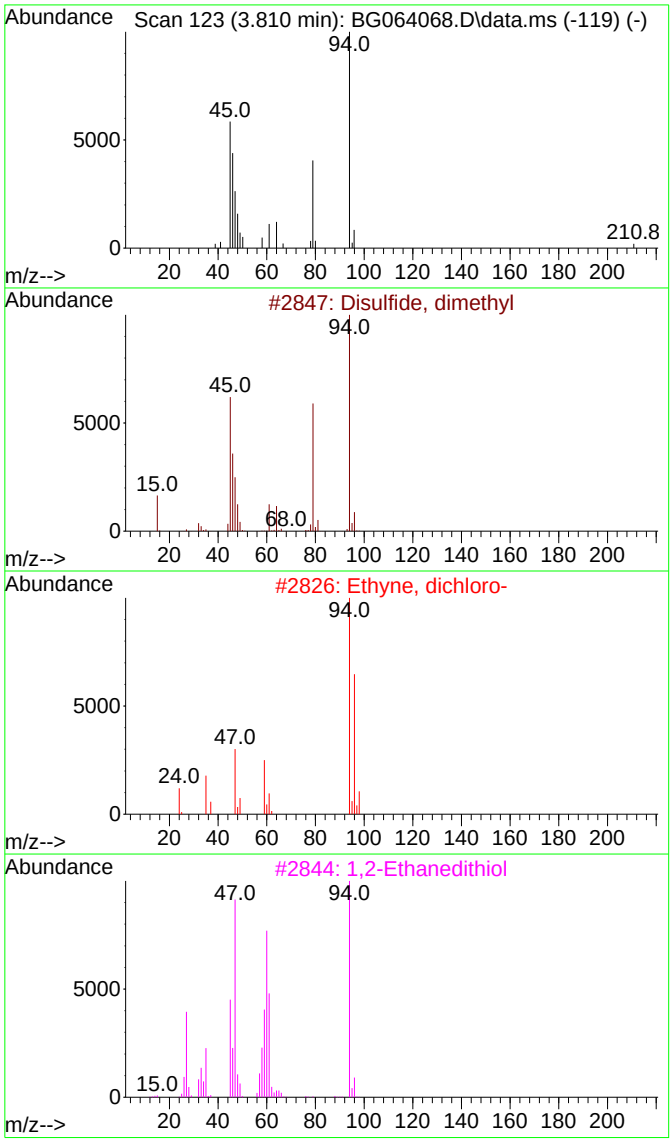
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

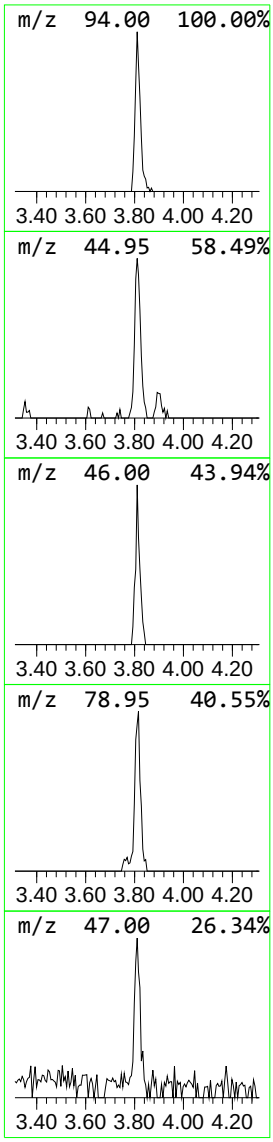
****

Peak Number 1 Disulfide, dimethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.810	3.57 ng	44354	1,4-Dichlorobenzene-d4	7.864

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, dimethyl	94	C2H6S2	000624-92-0	87
2	Ethyne, dichloro-	94	C2Cl2	007572-29-4	35
3	1,2-Ethanedithiol	94	C2H6S2	000540-63-6	28
4	1,3,5,7-Tetrathiocane	184	C4H8S4	002373-00-4	12
5	Methyl 2-hydroxyethyl sulfoxide	108	C3H8O2S	021281-74-3	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

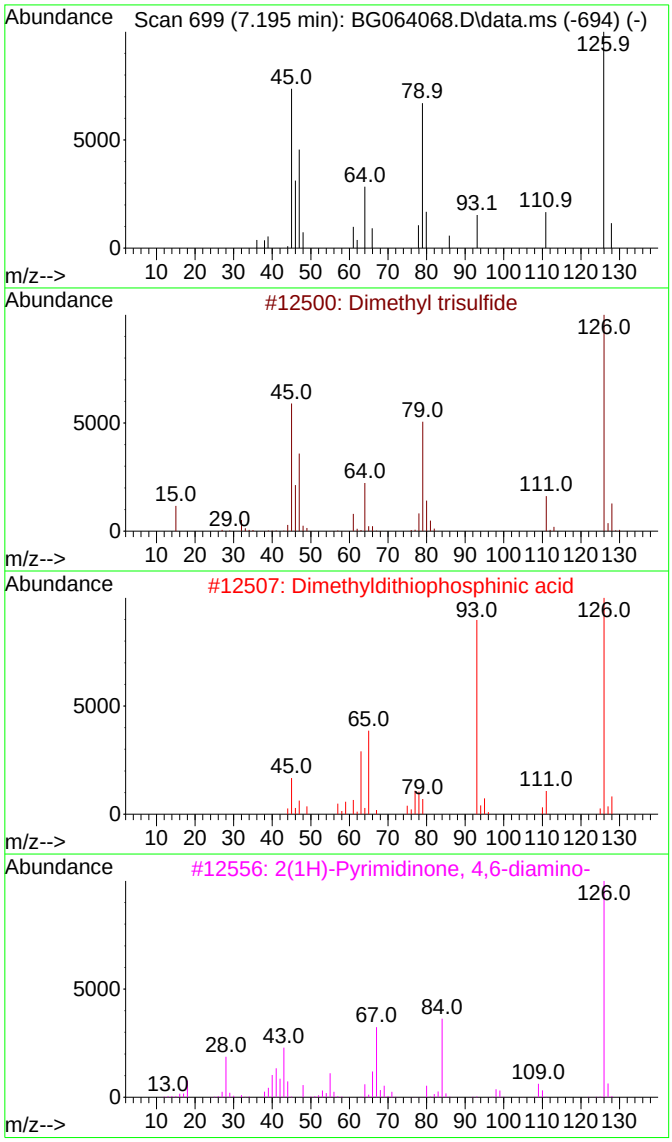
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

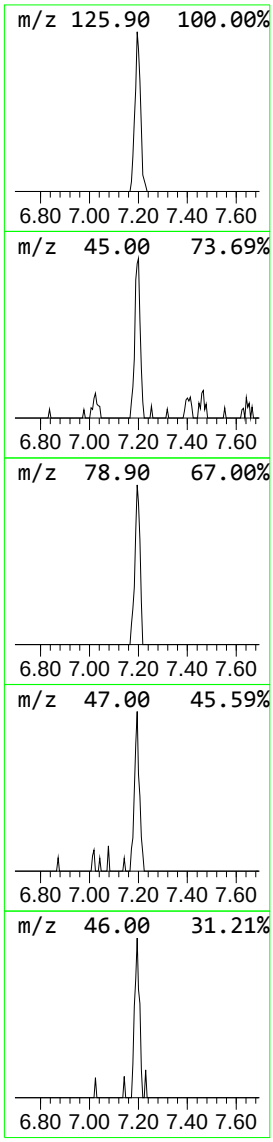
****

Peak Number 2 Dimethyl trisulfide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.195	2.56 ng	31892	1,4-Dichlorobenzene-d4	7.864

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl trisulfide	126	C2H6S3	003658-80-8	94
2	Dimethyldithiophosphinic acid	126	C2H7PS2	016367-68-3	9
3	2(1H)-Pyrimidinone, 4,6-diamino-	126	C4H6N4O	031458-45-4	9
4	Butane, 4-chloro-1,1,1-trifluoro-	146	C4H6ClF3	000406-85-9	9
5	3-Nonyne, 9-methoxy-	154	C10H18O	054699-39-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

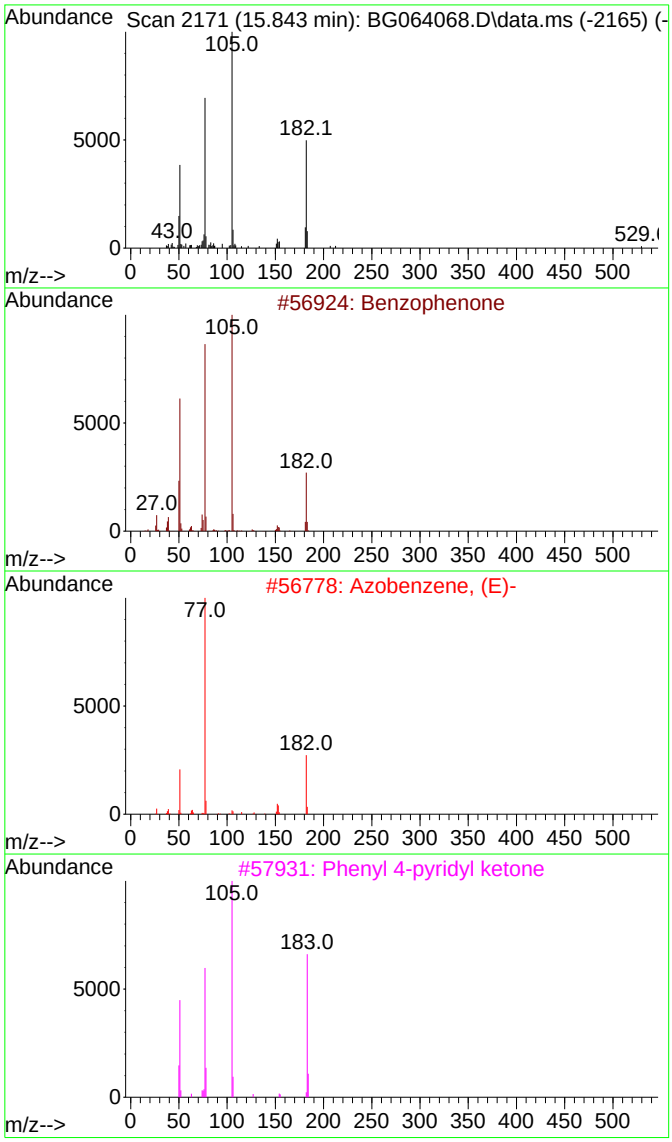
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

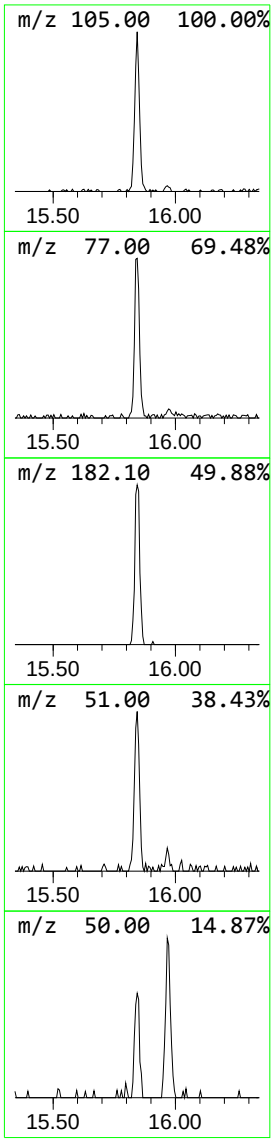
****

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.843	3.55 ng	96520	Acenaphthene-d10	14.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Azobenzene, (E)-	182	C12H10N2	017082-12-1	50
3	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	50
4	Benzamide, N-(2-chloroacetyl)-	197	C9H8ClNO2	1000303-20-8	47
5	Benzoic acid, 2-propenyl ester	162	C10H10O2	000583-04-0	47





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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On    :  7 Mar 2025  21:03
Operator  : RC/JU
Sample    : Q1514-08
Misc      :
ALS Vial  : 14   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

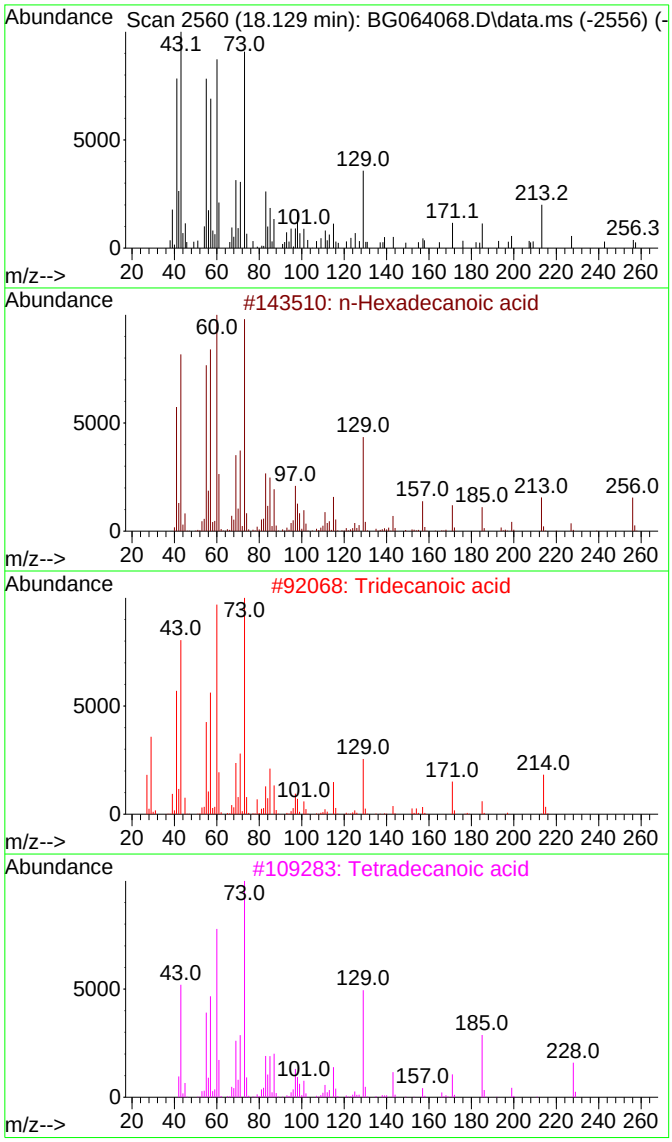
Instrument : BNA_G
ClientSampleId : ENV-103-GW01

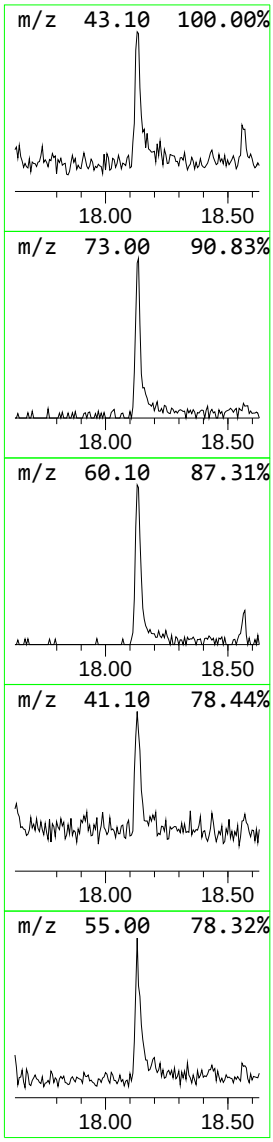
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.129	3.05 ng	101541	Phenanthrene-d10	17.230

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
2	Tridecanoic acid	214	C13H26O2	000638-53-9	72
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	59
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

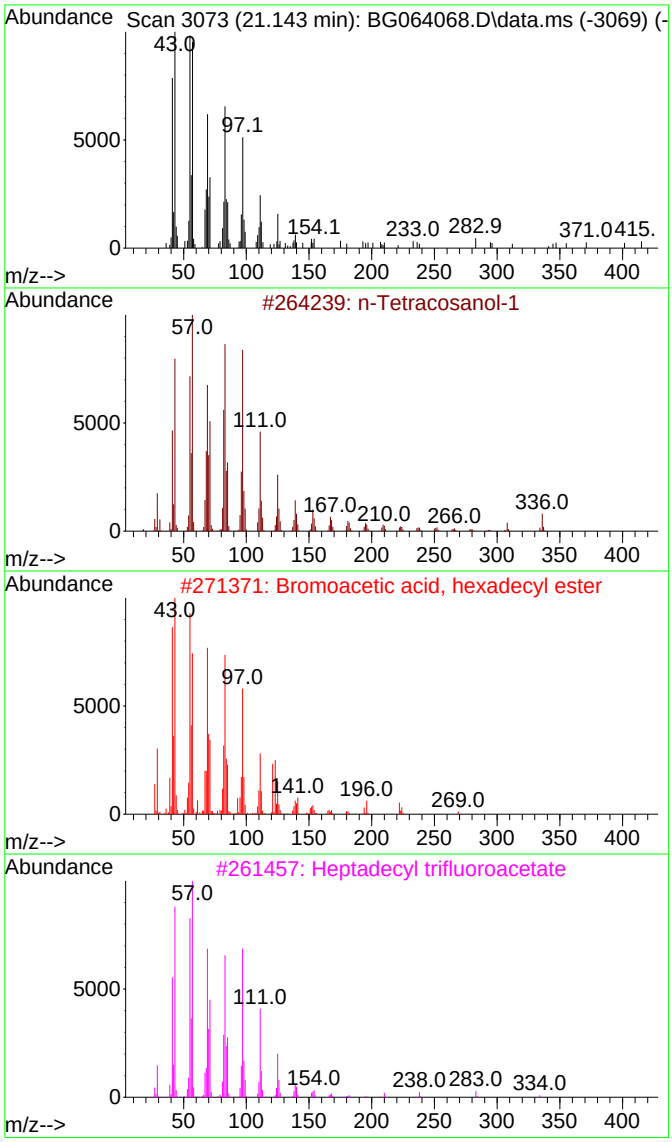
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

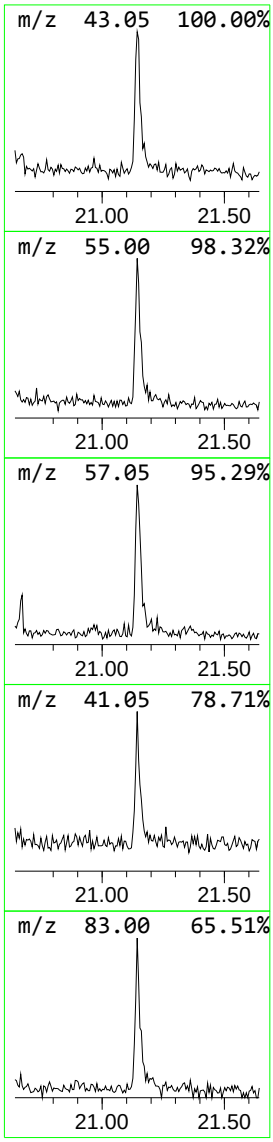
****

Peak Number 5 n-Tetracosanol-1 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.143	3.02 ng	109517	Chrysene-d12	21.460

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
2	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	91
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	91
4	1-Tricosene	322	C23H46	018835-32-0	90
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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
Disulfide, dime...	3.810	3.6	ng	44354	1	7.864	248759	20.0
Dimethyl trisul...	7.195	2.6	ng	31892	1	7.864	248759	20.0
Benzophenone	15.843	3.5	ng	96520	3	14.486	543947	20.0
n-Hexadecanoic ...	18.129	3.0	ng	101541	4	17.230	666852	20.0
n-Tetracosanol-1	21.143	3.0	ng	109517	5	21.460	724993	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064064.D
Acq On : 7 Mar 2025 18:21
Operator : RC/JU
Sample : Q1514-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB03062025

Quant Time: Mar 07 22:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

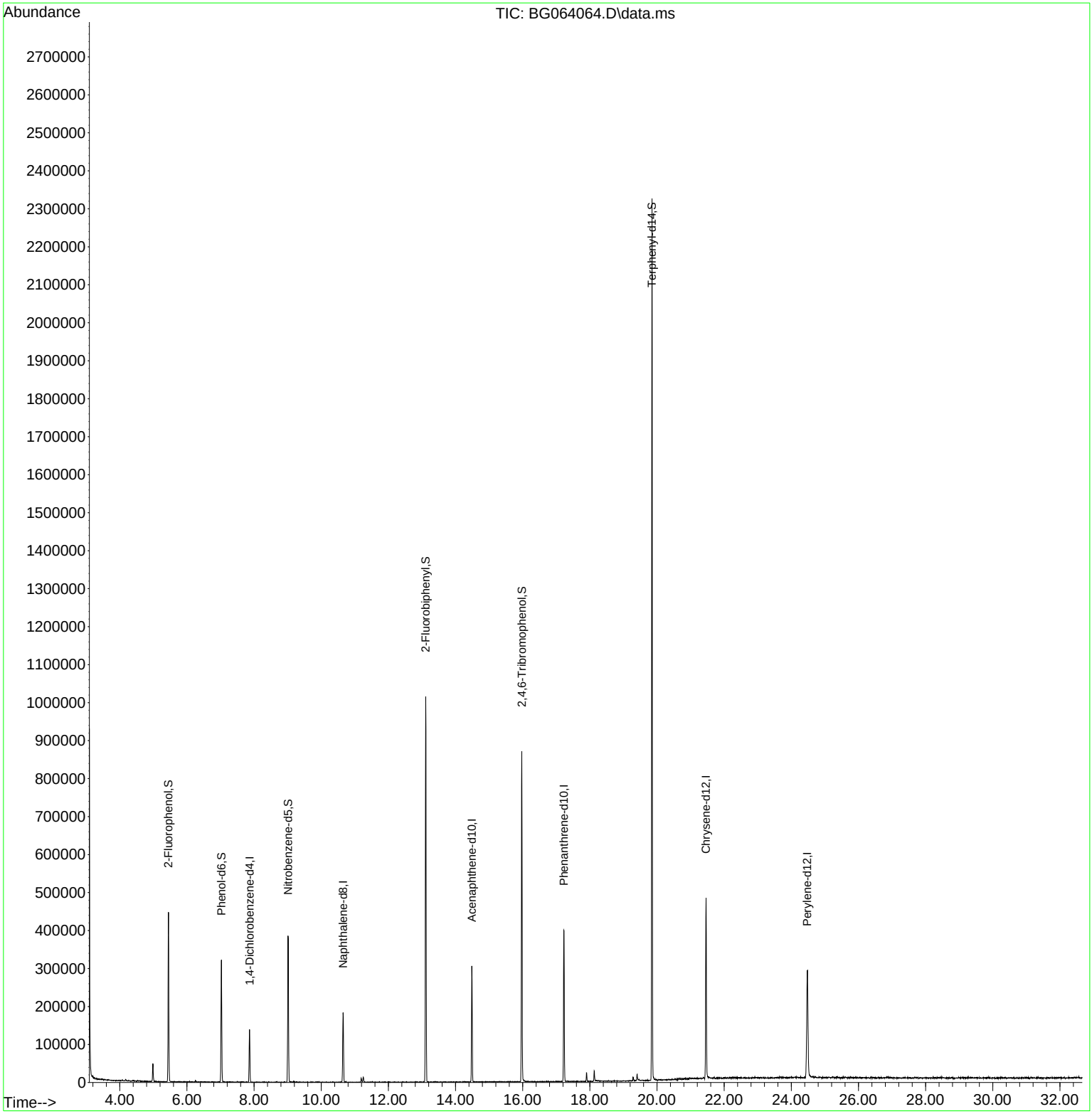
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	32854	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	141929	20.000	ng	# 0.00
39) Acenaphthene-d10	14.486	164	100513	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	241431	20.000	ng	0.00
76) Chrysene-d12	21.460	240	267874	20.000	ng	0.00
86) Perylene-d12	24.474	264	281608	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.450	112	161925	76.958	ng	0.00
7) Phenol-d6	7.024	99	154295	53.905	ng	0.00
23) Nitrobenzene-d5	9.016	82	203577	79.265	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	140808	126.028	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	477492	72.108	ng	0.00
79) Terphenyl-d14	19.850	244	1053306	79.507	ng	0.00
Target Compounds						Qvalue

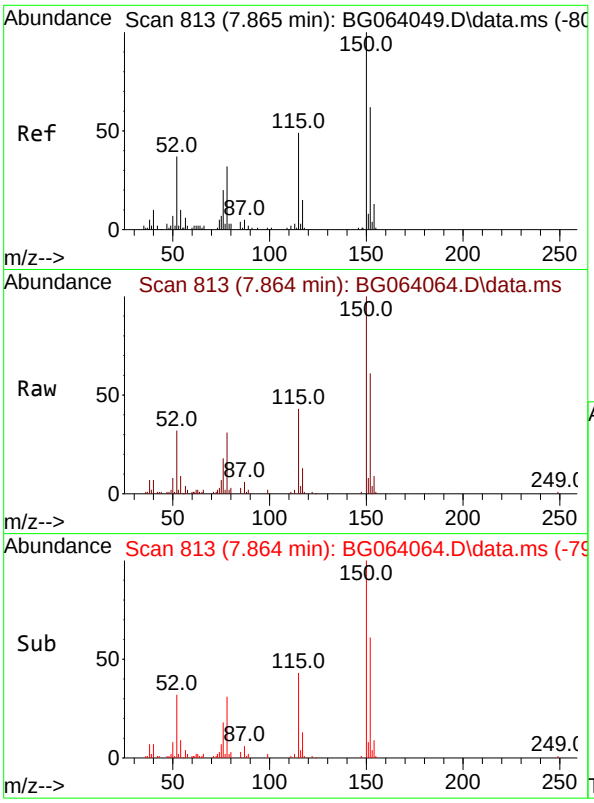
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064064.D
Acq On : 7 Mar 2025 18:21
Operator : RC/JU
Sample : Q1514-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB03062025

Quant Time: Mar 07 22:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



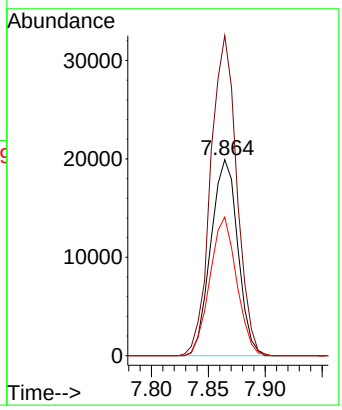


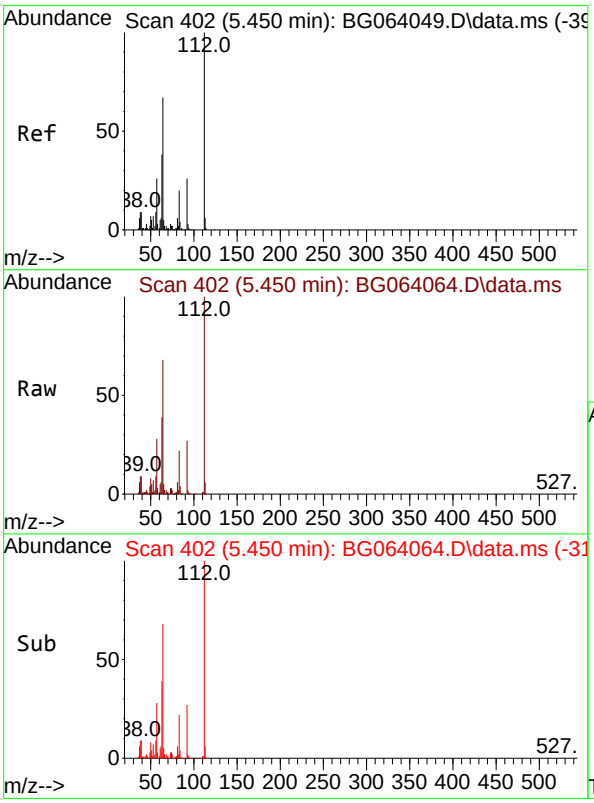
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Instrument :
BNA_G
ClientSampleId :
FB03062025

Tgt Ion:152 Resp: 32854

Ion	Ratio	Lower	Upper
152	100		
150	163.3	129.2	193.8
115	70.7	63.0	94.6

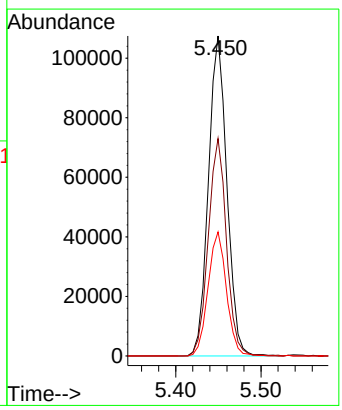


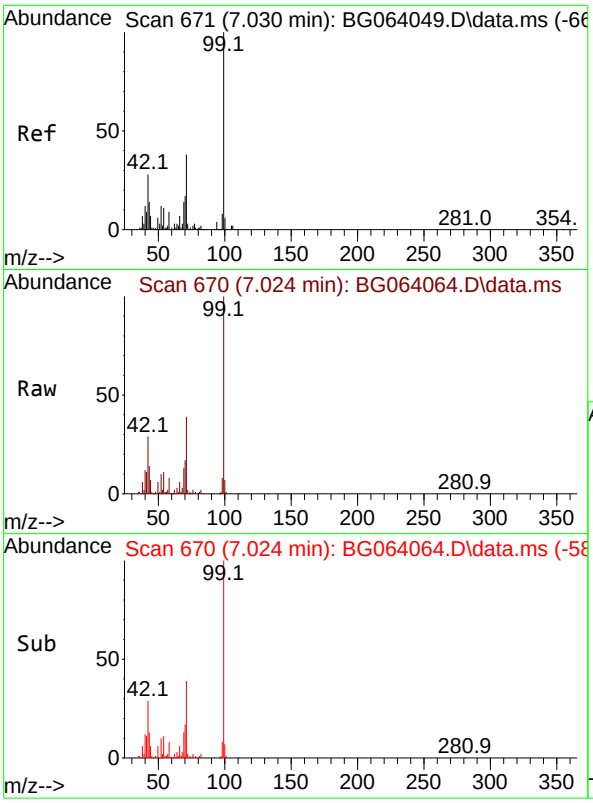


#5
2-Fluorophenol
Concen: 76.958 ng
RT: 5.450 min Scan# 402
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:112 Resp: 161925

Ion	Ratio	Lower	Upper
112	100		
64	67.9	53.7	80.5
63	38.8	30.2	45.4



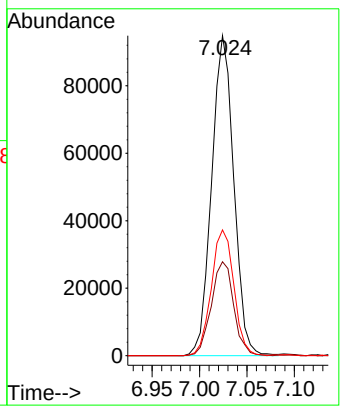


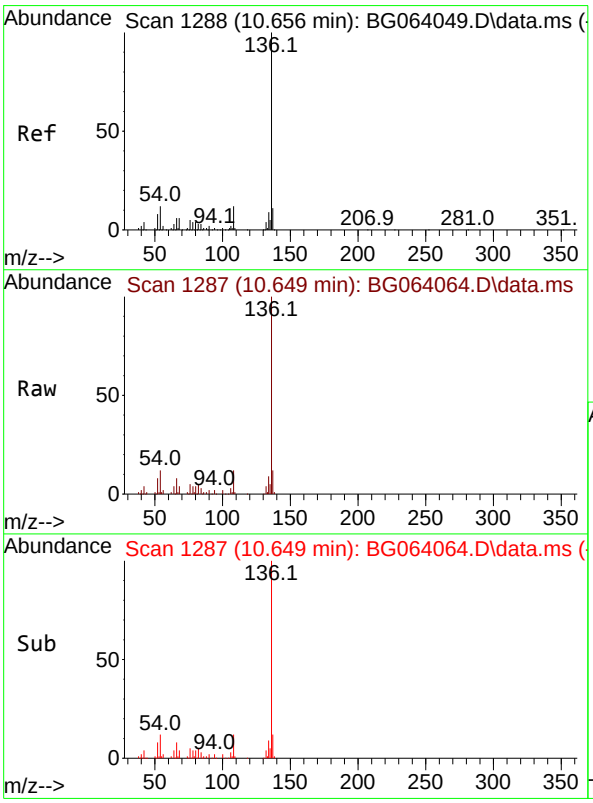
#7
Phenol-d6
Concen: 53.905 ng
RT: 7.024 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Instrument :
BNA_G
ClientSampleId :
FB03062025

Tgt Ion: 99 Resp: 154295

Ion	Ratio	Lower	Upper
99	100		
42	29.4	22.7	34.1
71	39.3	30.6	46.0

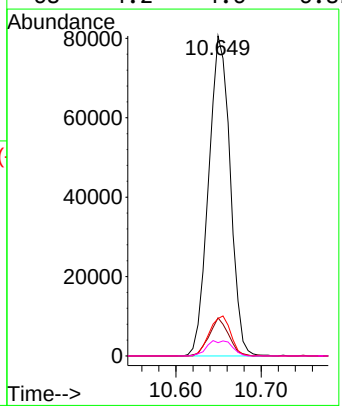


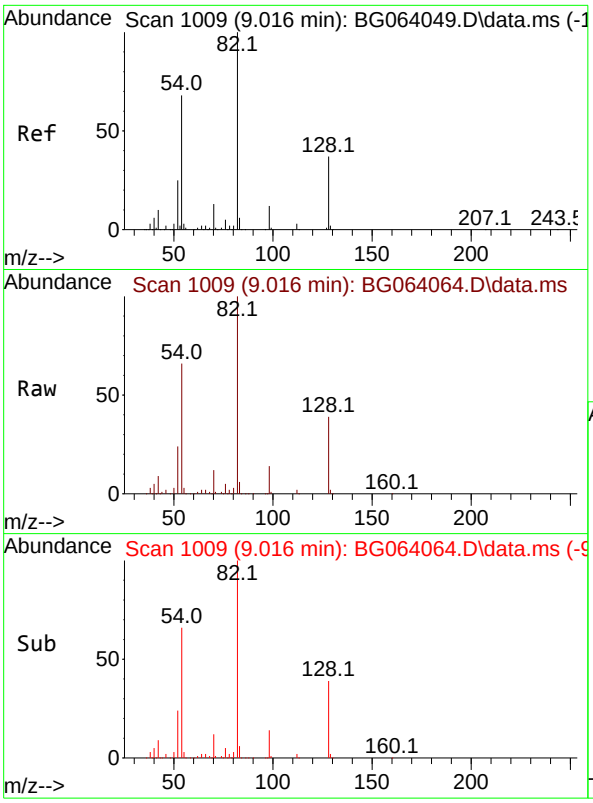


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:136 Resp: 141929

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.5	12.7
54	11.7	9.9	14.9
68	4.2	4.6	6.8#



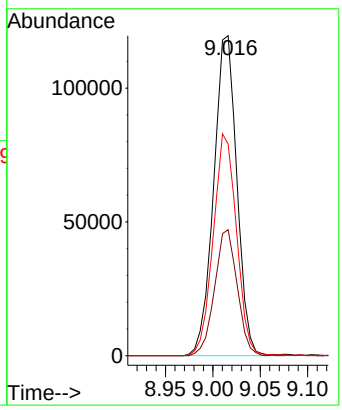


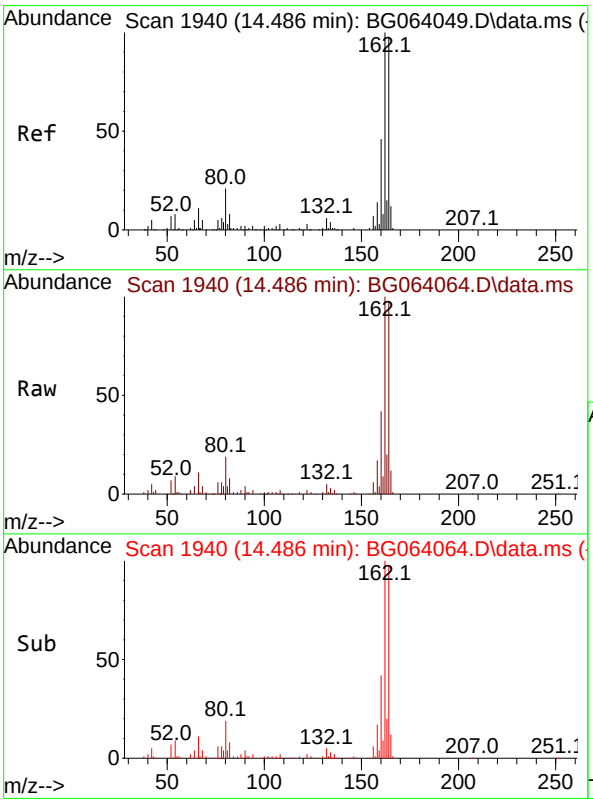
#23
Nitrobenzene-d5
Concen: 79.265 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Instrument :
BNA_G
ClientSampleId :
FB03062025

Tgt Ion: 82 Resp: 203577

Ion	Ratio	Lower	Upper
82	100		
128	39.3	30.0	45.0
54	66.2	54.7	82.1

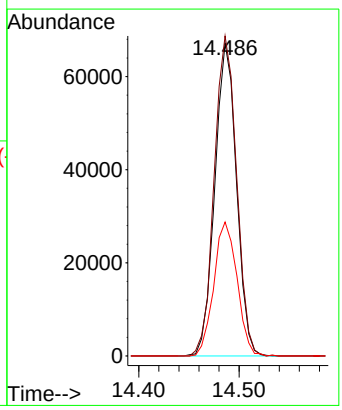


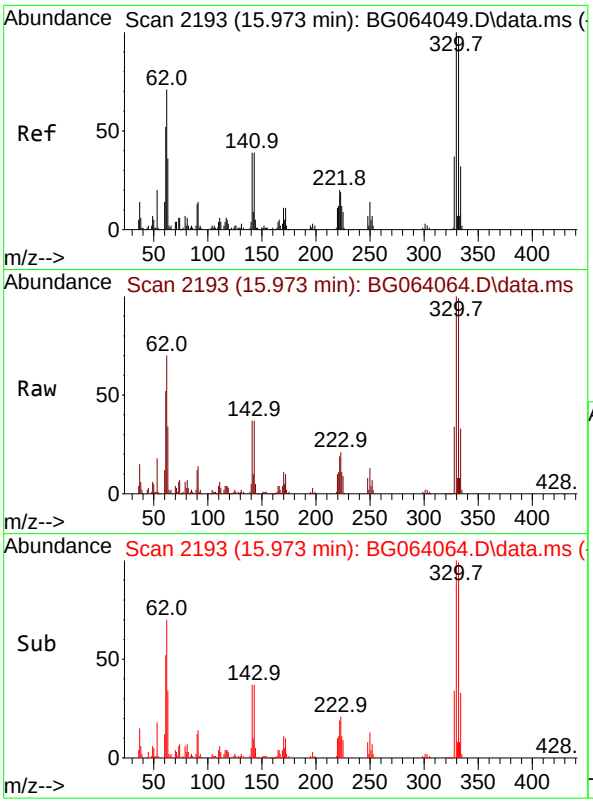


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:164 Resp: 100513

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.4	122.0
160	42.8	37.0	55.6



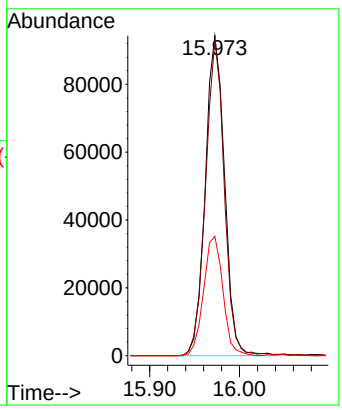


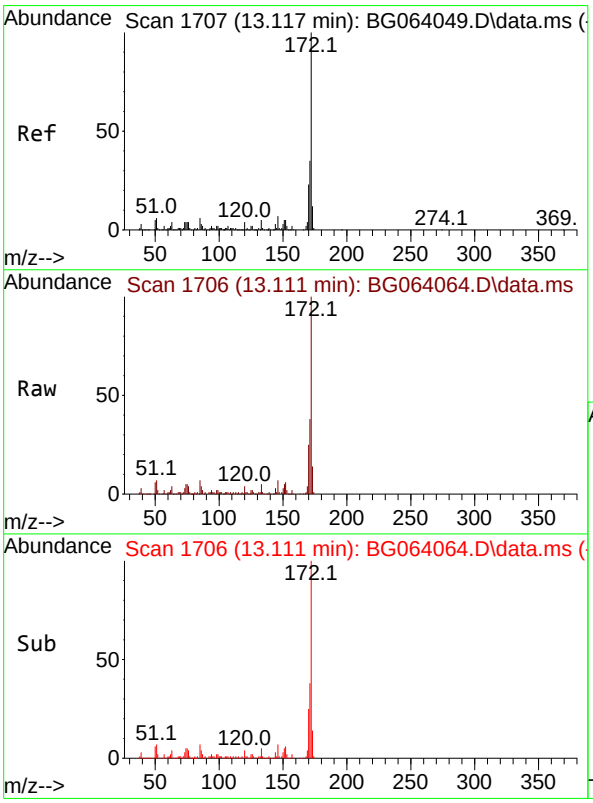
#42
2,4,6-Tribromophenol
Concen: 126.028 ng
RT: 15.973 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Instrument :
BNA_G
ClientSampleId :
FB03062025

Tgt Ion:330 Resp: 140808

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.7	115.1
141	37.4	29.7	44.5

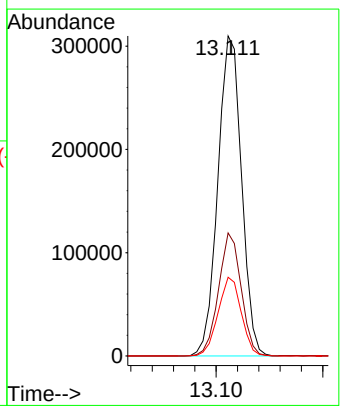


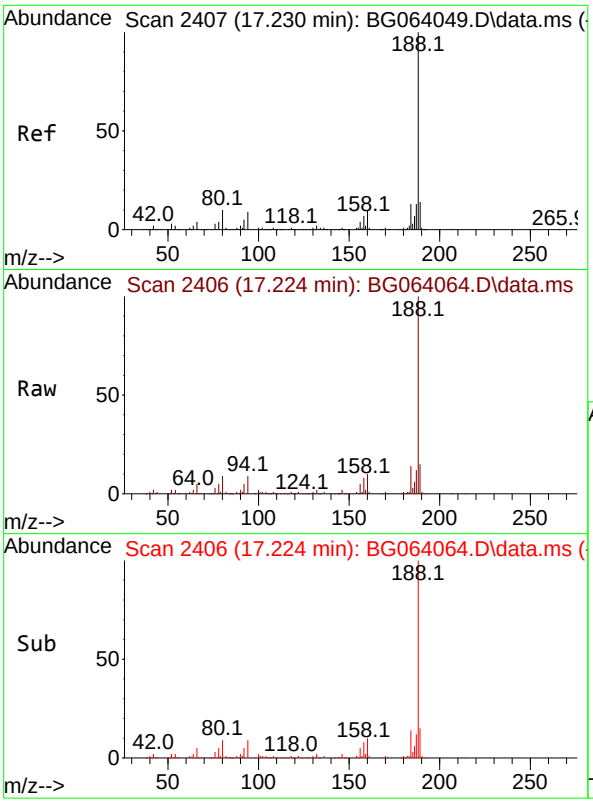


#45
2-Fluorobiphenyl
Concen: 72.108 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:172 Resp: 477492

Ion	Ratio	Lower	Upper
172	100		
171	38.5	28.0	42.0
170	24.6	18.7	28.1



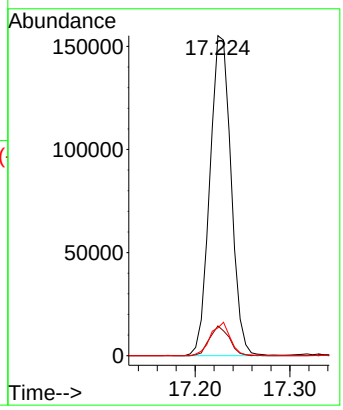


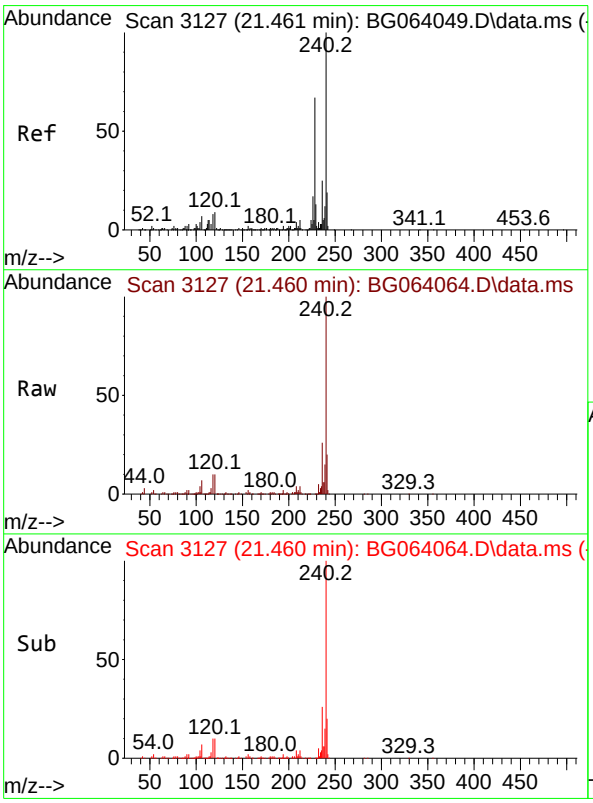
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Instrument :
BNA_G
ClientSampleId :
FB03062025

Tgt Ion:188 Resp: 241431

Ion	Ratio	Lower	Upper
188	100		
94	9.3	6.9	10.3
80	8.7	8.1	12.1

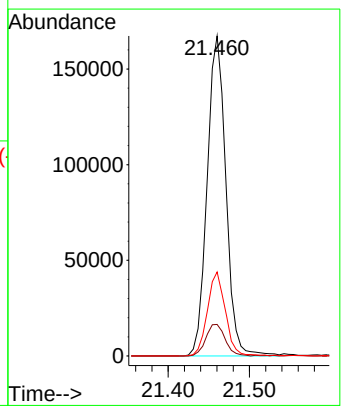


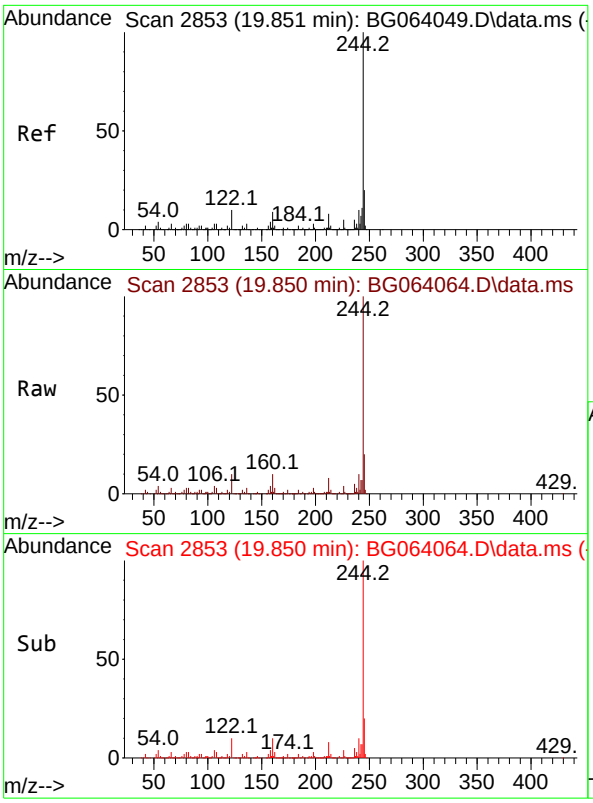


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.460 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:240 Resp: 267874

Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.2	10.8
236	26.3	20.2	30.2



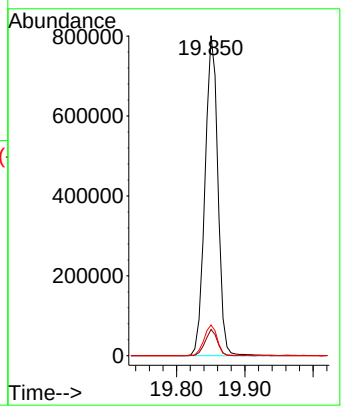


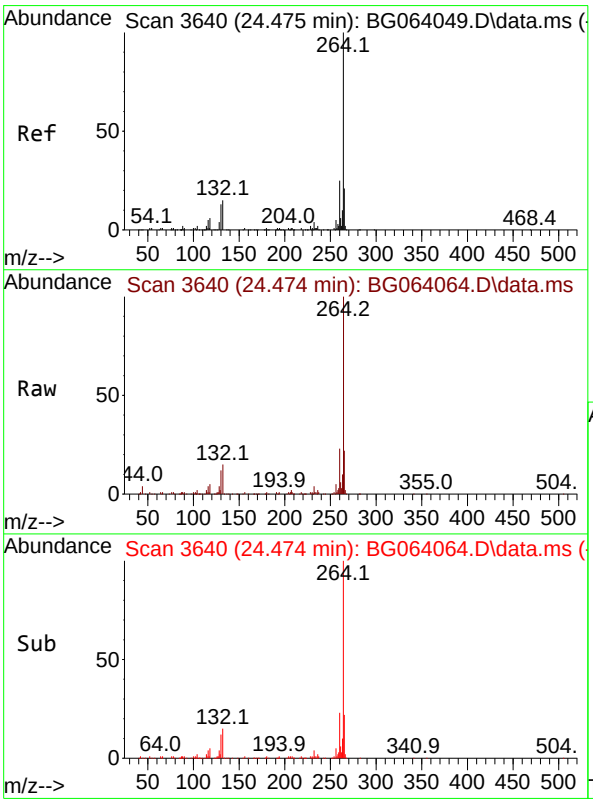
#79
Terphenyl-d14
Concen: 79.507 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Instrument :
BNA_G
ClientSampleId :
FB03062025

Tgt Ion:244 Resp: 1053306

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.4
122	9.6	8.0	12.0

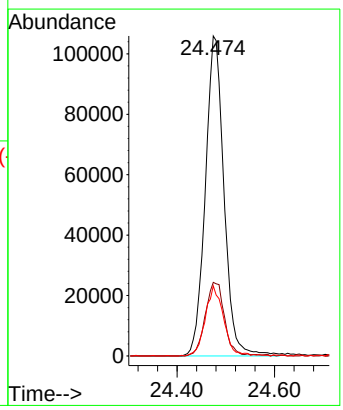




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3640
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:264 Resp: 281608

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.6	29.4
265	21.9	16.6	25.0



Sample Results: **BG064064.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064064.D
Acq On : 7 Mar 2025 18:21
Operator : RC/JU
Sample : Q1514-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB03062025

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_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064064.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.985	316	323	331	rBV	47382	71468	2.38%	0.651%
2	5.450	395	402	415	rVB	446350	668562	22.25%	6.093%
3	7.024	663	670	682	rBV	321654	528703	17.59%	4.818%
4	7.864	805	813	821	rBV	138899	230194	7.66%	2.098%
5	9.010	1000	1008	1016	rBV	385349	666549	22.18%	6.074%
6	10.649	1280	1287	1296	rVB	183654	324890	10.81%	2.961%
7	13.111	1697	1706	1714	rBV	1014662	1522306	50.65%	13.873%
8	14.486	1934	1940	1948	rVB	305561	471071	15.67%	4.293%
9	15.973	2185	2193	2205	rBV	869847	1272266	42.33%	11.595%
10	17.224	2399	2406	2414	rBV2	398573	619487	20.61%	5.646%
11	17.900	2516	2521	2528	rBV4	23420	32435	1.08%	0.296%
12	18.129	2556	2560	2565	rBV4	26539	36497	1.21%	0.333%
13	19.850	2847	2853	2871	rBV	2320672	3005310	100.00%	27.388%
14	21.460	3120	3127	3139	rBV	476447	763120	25.39%	6.955%
15	24.480	3630	3641	3651	rBV	283322	760132	25.29%	6.927%

Sum of corrected areas: 10972990

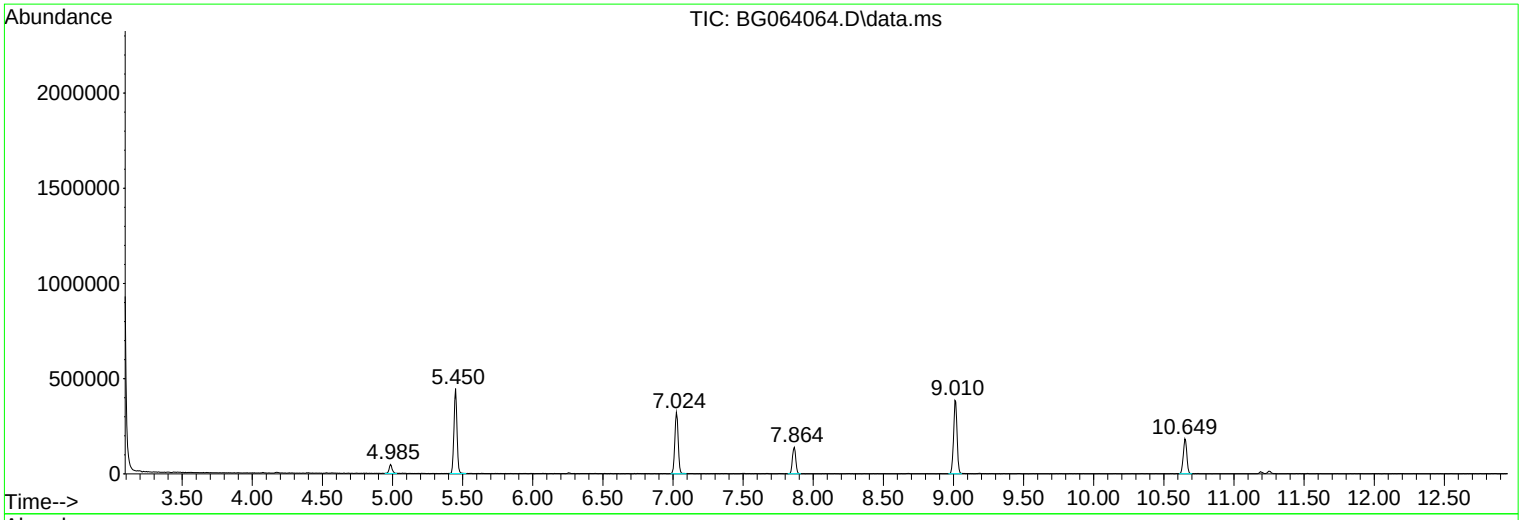
Sample Results: **BG064064.D**

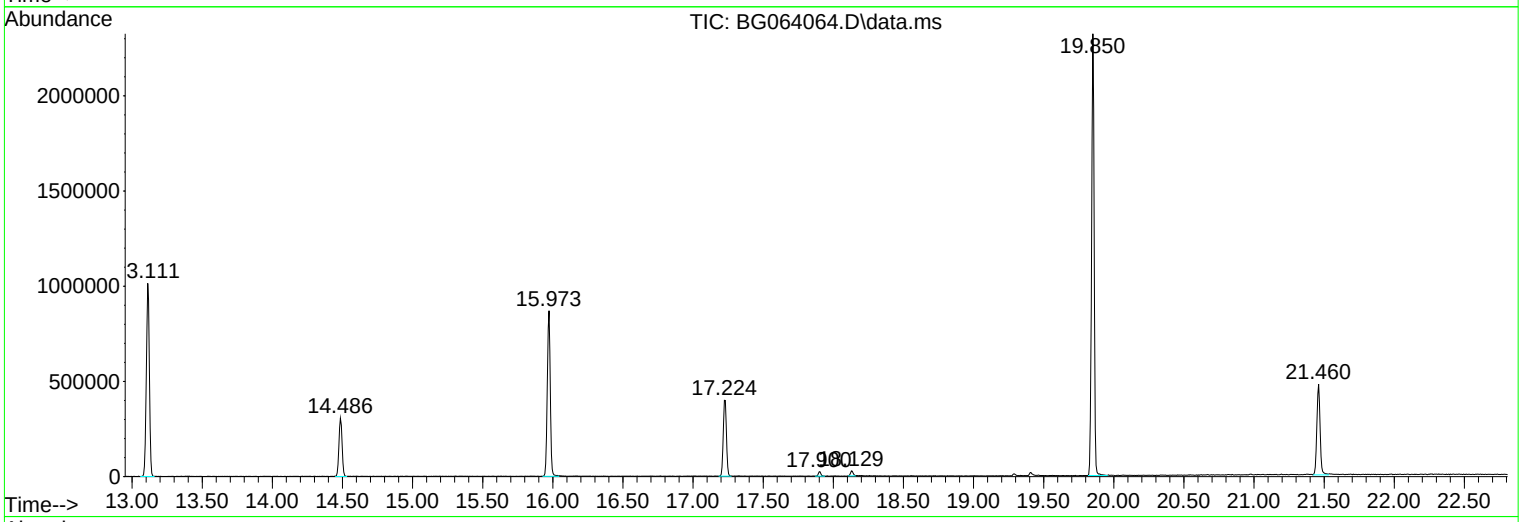
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064064.D
Acq On : 7 Mar 2025 18:21
Operator : RC/JU
Sample : Q1514-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

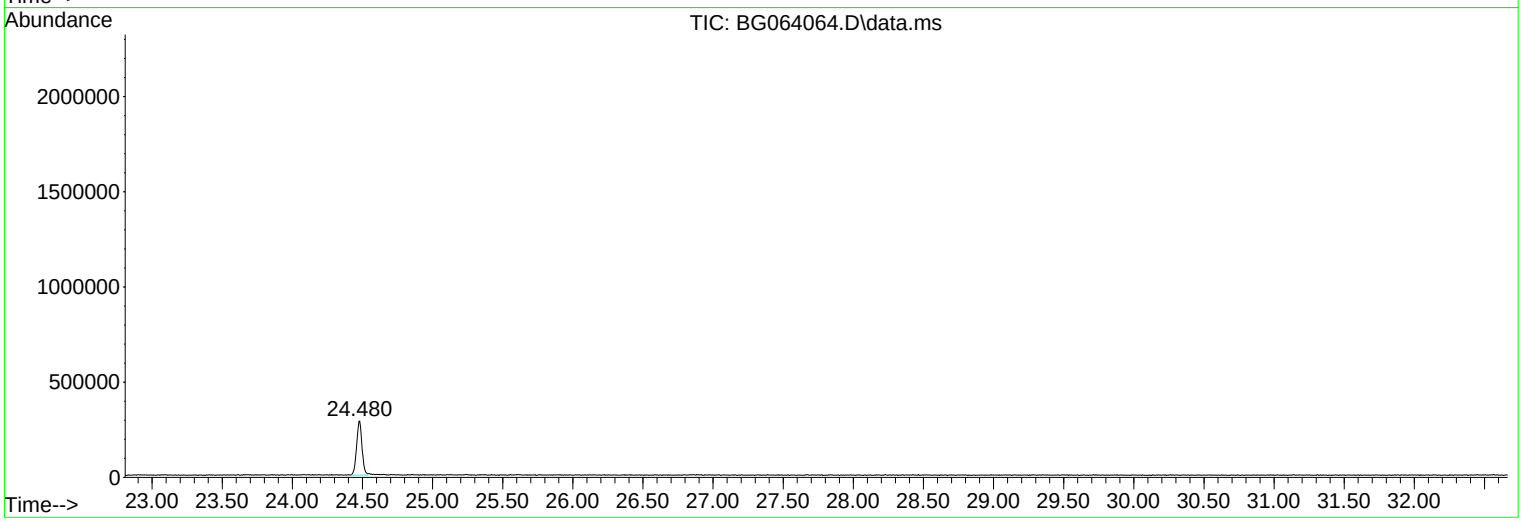
Instrument :
BNA_G
ClientSampleId :
FB03062025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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_G\Data\BG030725\
Data File : BG064064.D
Acq On : 7 Mar 2025 18:21
Operator : RC/JU
Sample : Q1514-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB03062025

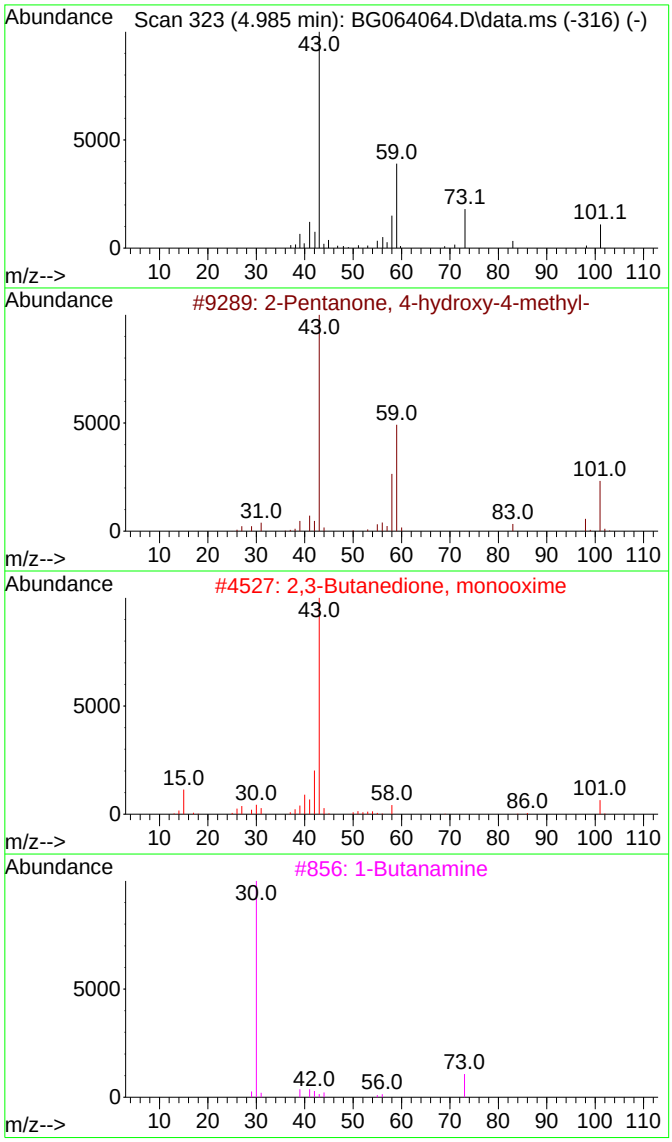
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

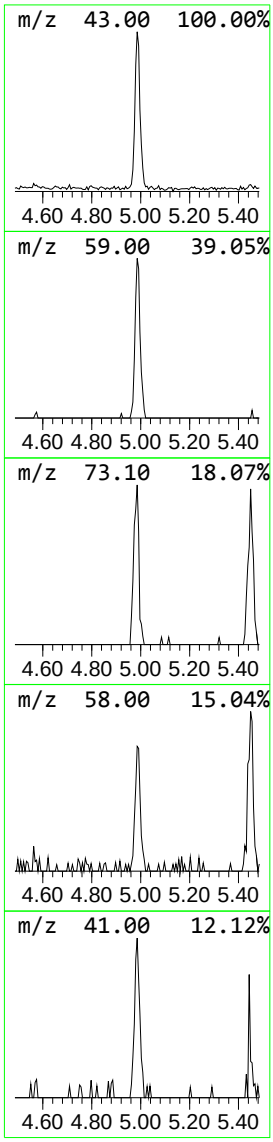
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.985	6.21 ng	71468	1,4-Dichlorobenzene-d4	7.864

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3	1-Butanamine	73	C4H11N	000109-73-9	9
4	Diacetamide	101	C4H7NO2	000625-77-4	9
5	Isobutyl acetate	116	C6H12O2	000110-19-0	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064064.D
Acq On : 7 Mar 2025 18:21
Operator : RC/JU
Sample : Q1514-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB03062025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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-...	4.985	6.2	ng	71468	1	7.864	230194	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064059.D
Acq On : 7 Mar 2025 14:58
Operator : RC/JU
Sample : PB167027BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Quant Time: Mar 07 15:49:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

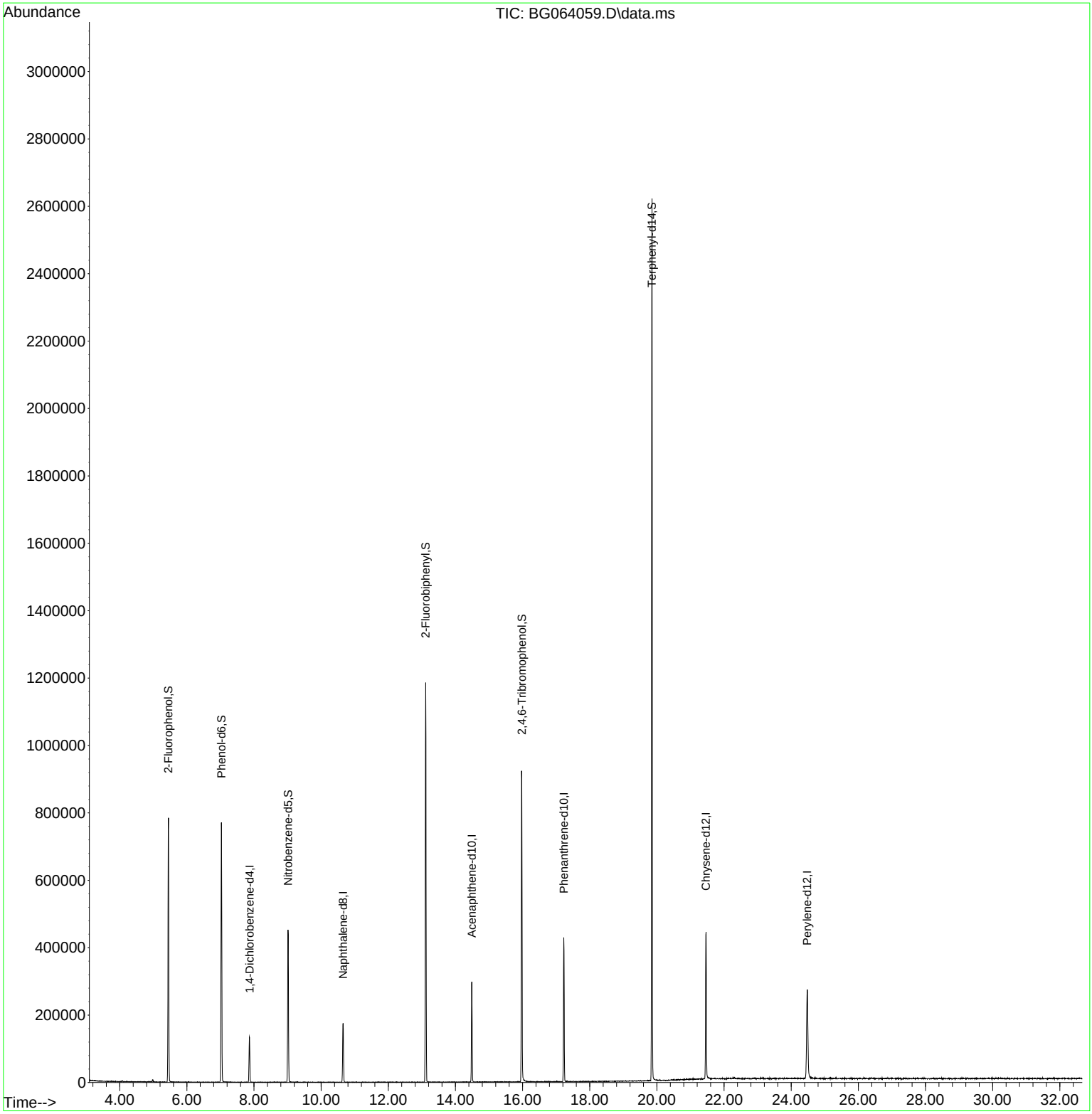
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.867	152	31906	20.000	ng	# 0.00
21) Naphthalene-d8	10.652	136	141288	20.000	ng	0.00
39) Acenaphthene-d10	14.488	164	97981	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	246502	20.000	ng	0.00
76) Chrysene-d12	21.457	240	261251	20.000	ng	0.00
86) Perylene-d12	24.477	264	265918	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	290016	141.931	ng	0.00
7) Phenol-d6	7.027	99	377339	135.745	ng	0.00
23) Nitrobenzene-d5	9.013	82	245156	95.888	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	158322	145.366	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	572019	88.615	ng	0.00
79) Terphenyl-d14	19.853	244	1197853	92.710	ng	0.00
Target Compounds						Qvalue

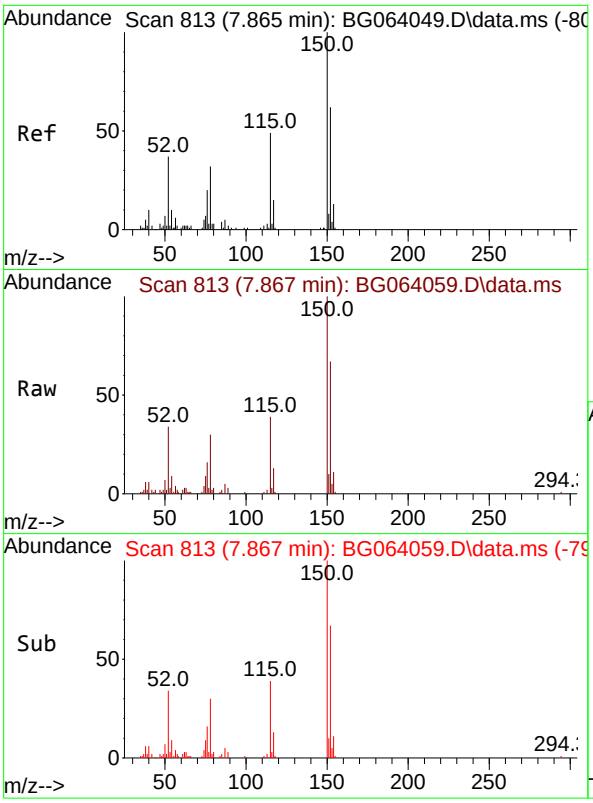
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064059.D
Acq On : 7 Mar 2025 14:58
Operator : RC/JU
Sample : PB167027BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Quant Time: Mar 07 15:49:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



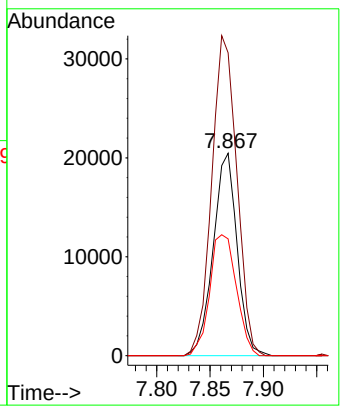


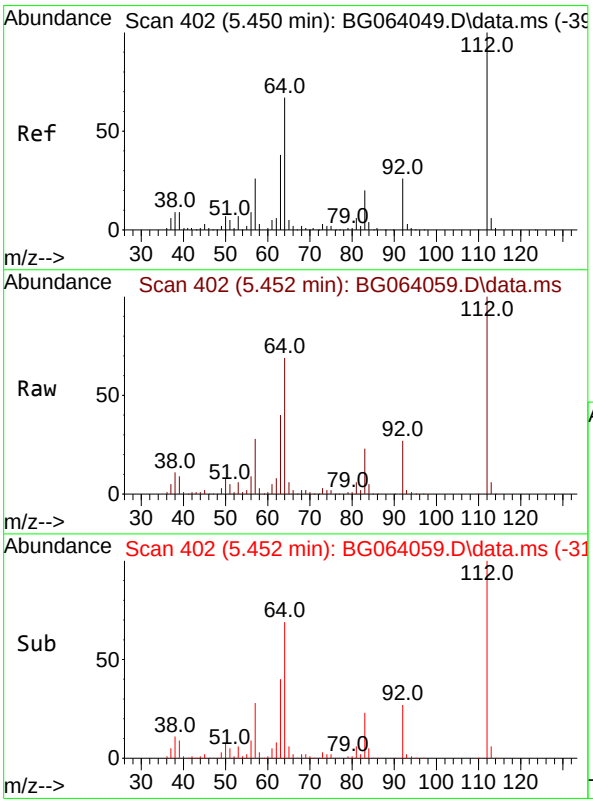
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.867 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Tgt Ion:152 Resp: 31906

Ion	Ratio	Lower	Upper
152	100		
150	149.6	129.2	193.8
115	57.7	63.0	94.6#

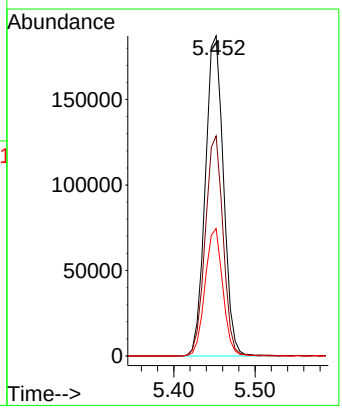


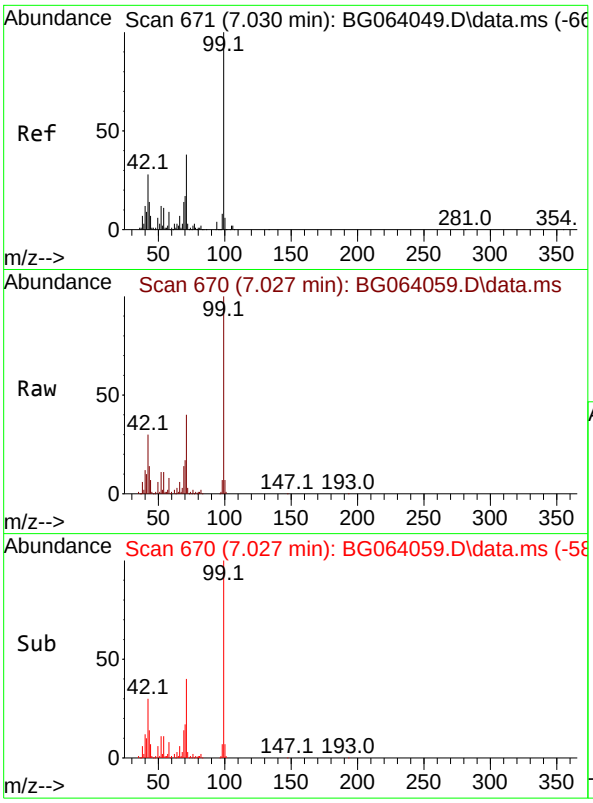


#5
2-Fluorophenol
Concen: 141.931 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:112 Resp: 290016

Ion	Ratio	Lower	Upper
112	100		
64	68.8	53.7	80.5
63	39.9	30.2	45.4



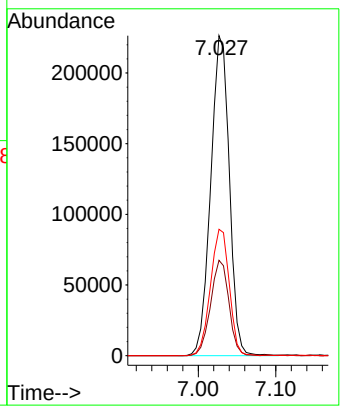


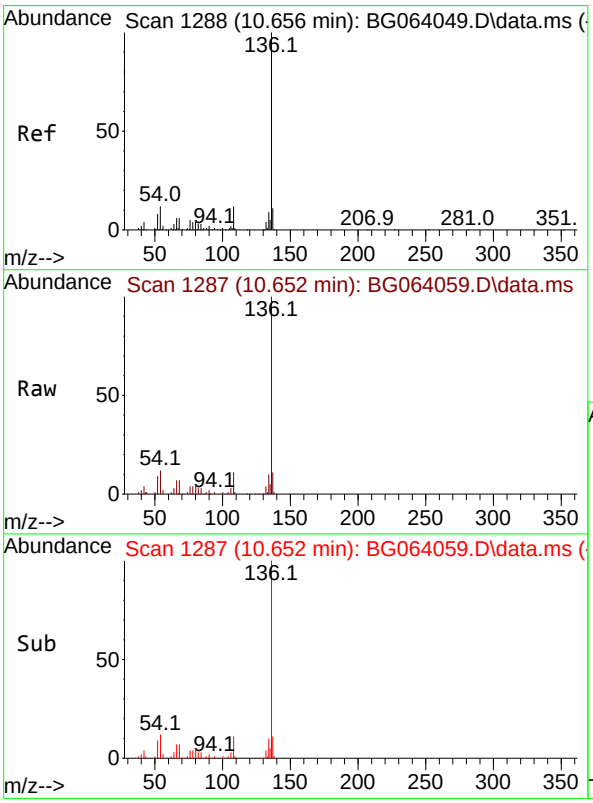
#7
Phenol-d6
Concen: 135.745 ng
RT: 7.027 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Tgt Ion: 99 Resp: 377339

Ion	Ratio	Lower	Upper
99	100		
42	29.8	22.7	34.1
71	39.5	30.6	46.0

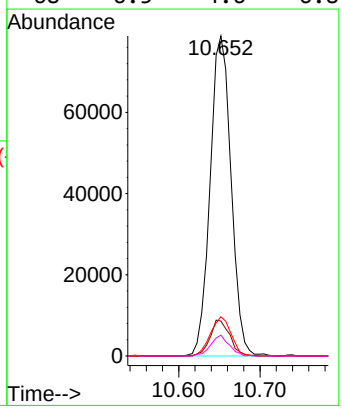


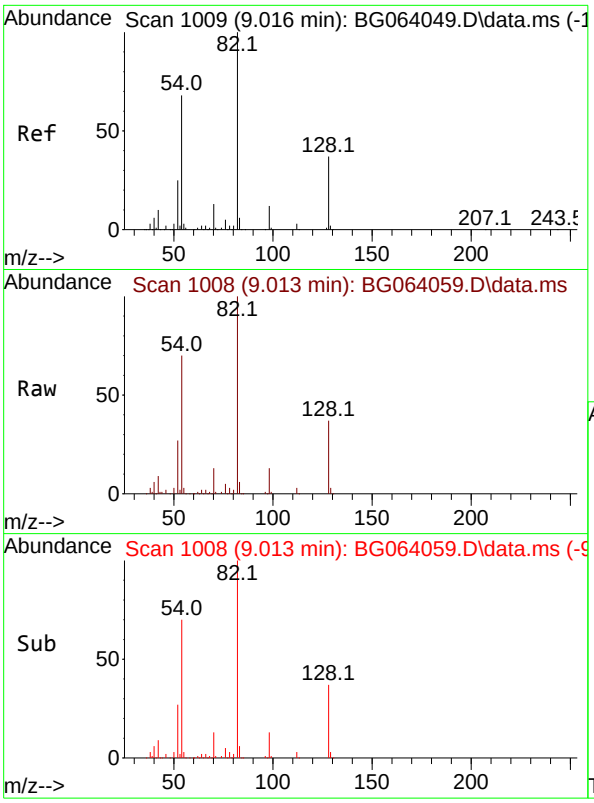


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1287
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:136 Resp: 141288

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	12.2	9.9	14.9
68	6.5	4.6	6.8



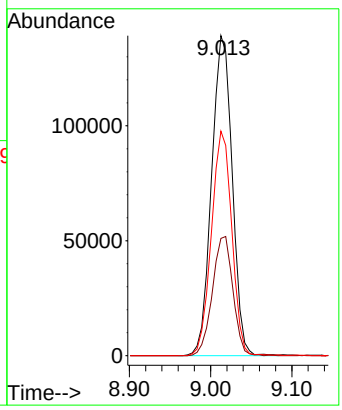


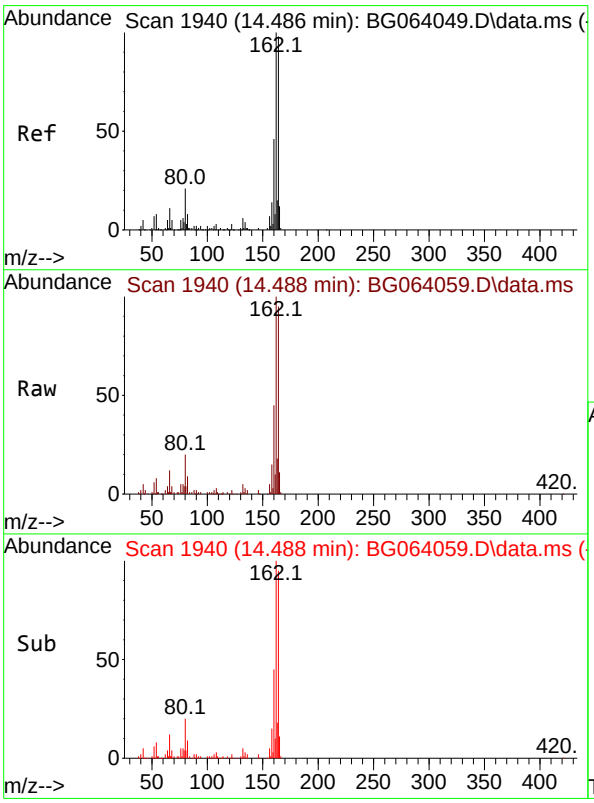
#23
Nitrobenzene-d5
Concen: 95.888 ng
RT: 9.013 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Tgt Ion: 82 Resp: 245156

Ion	Ratio	Lower	Upper
82	100		
128	36.6	30.0	45.0
54	70.2	54.7	82.1

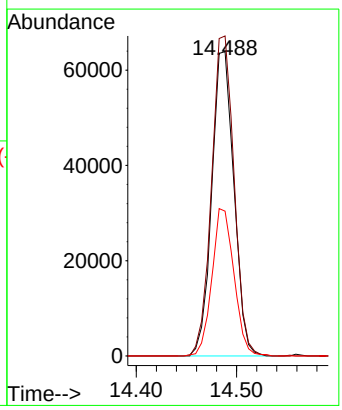


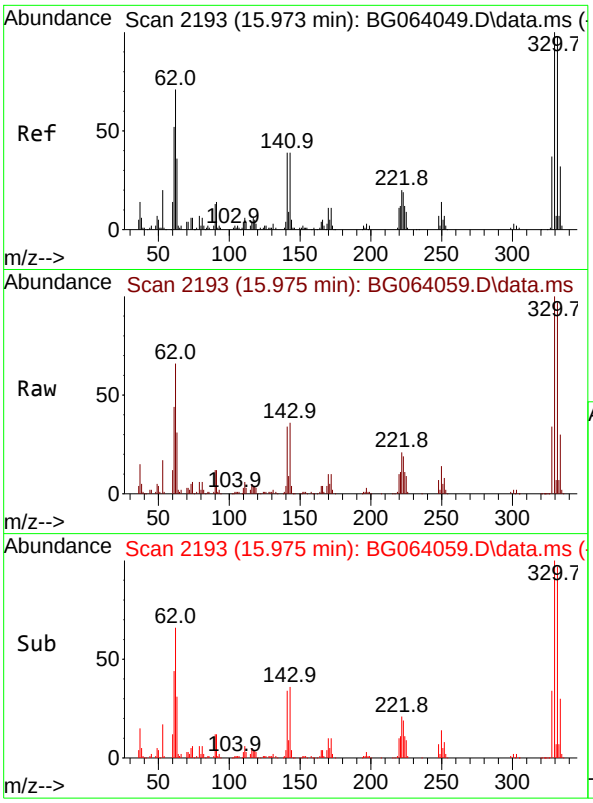


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.488 min Scan# 1940
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:164 Resp: 97981

Ion	Ratio	Lower	Upper
164	100		
162	105.2	81.4	122.0
160	47.6	37.0	55.6



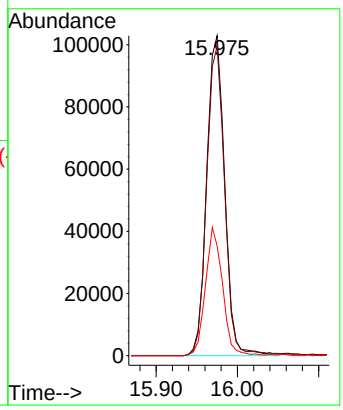


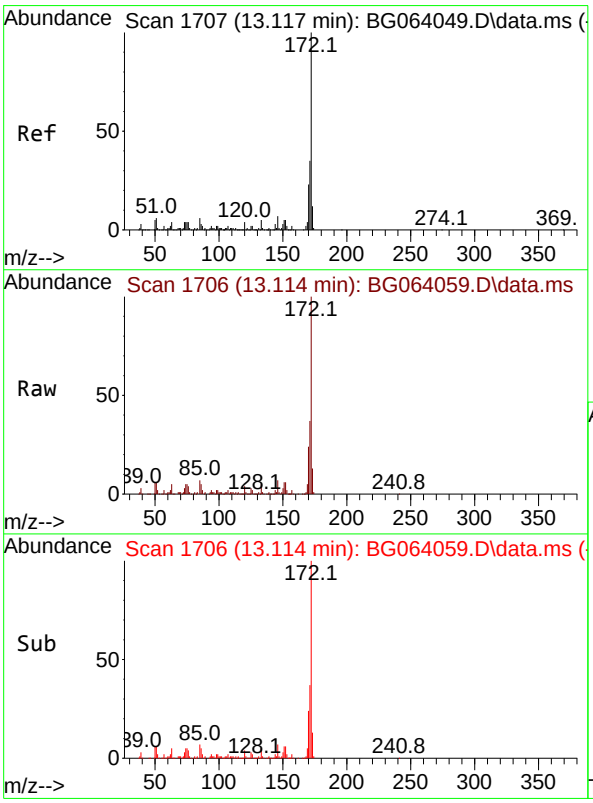
#42
2,4,6-Tribromophenol
Concen: 145.366 ng
RT: 15.975 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Tgt Ion:330 Resp: 158322

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.7	115.1
141	38.0	29.7	44.5

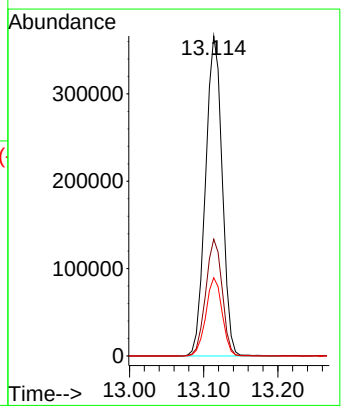


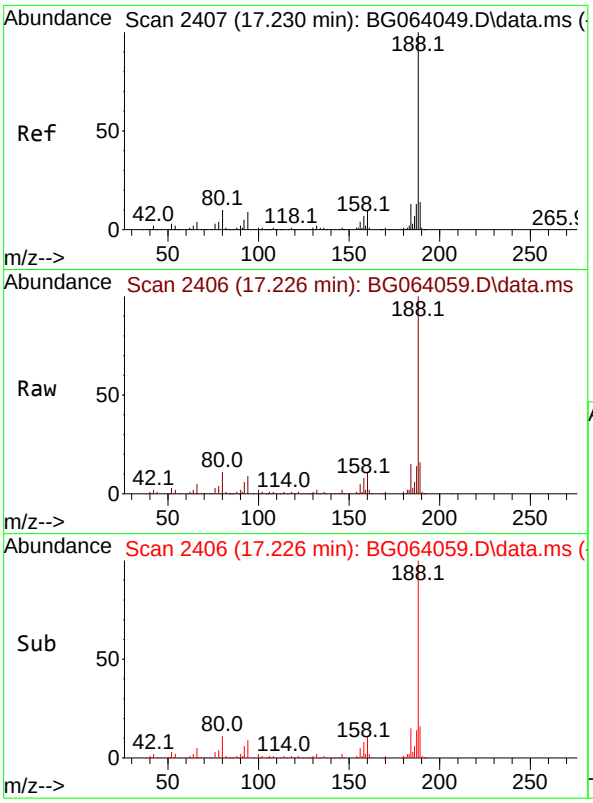


#45
2-Fluorobiphenyl
Concen: 88.615 ng
RT: 13.114 min Scan# 1706
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:172 Resp: 572019

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.0	42.0
170	24.5	18.7	28.1



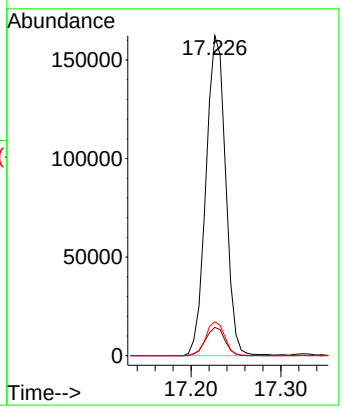


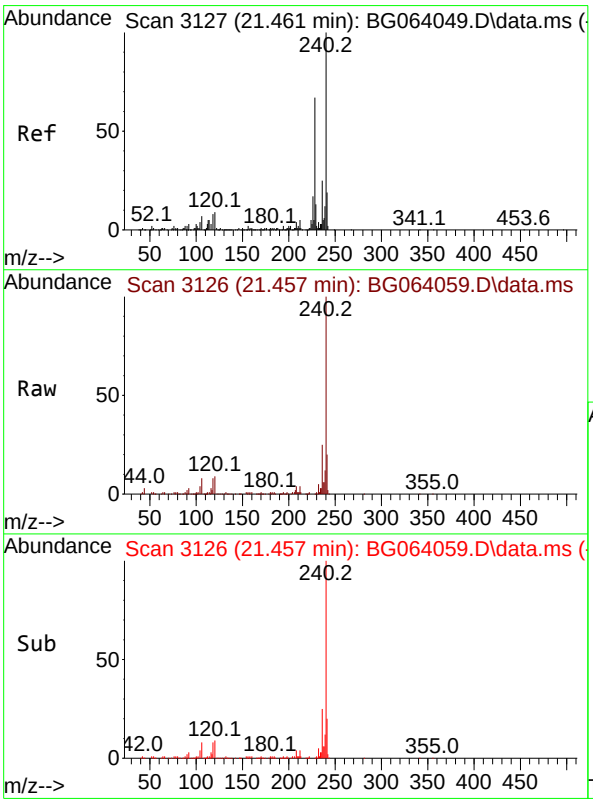
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.226 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Tgt Ion:188 Resp: 246502

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	10.6	8.1	12.1

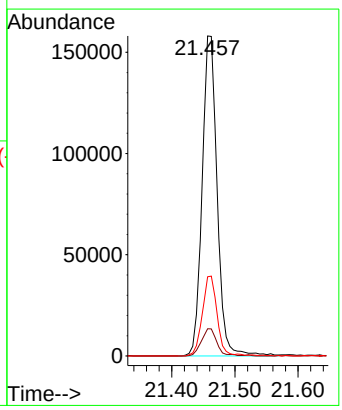


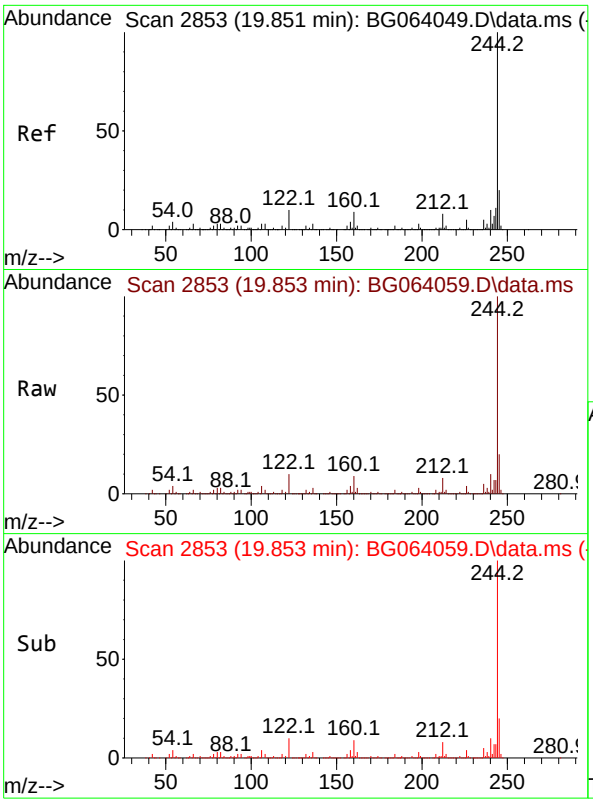


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:240 Resp: 261251

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.2	10.8
236	24.8	20.2	30.2



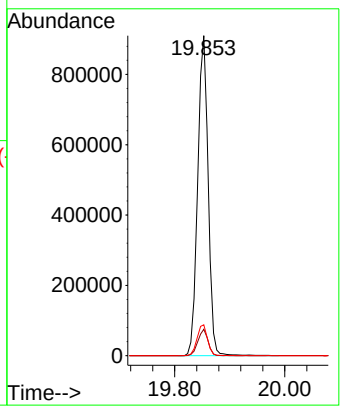


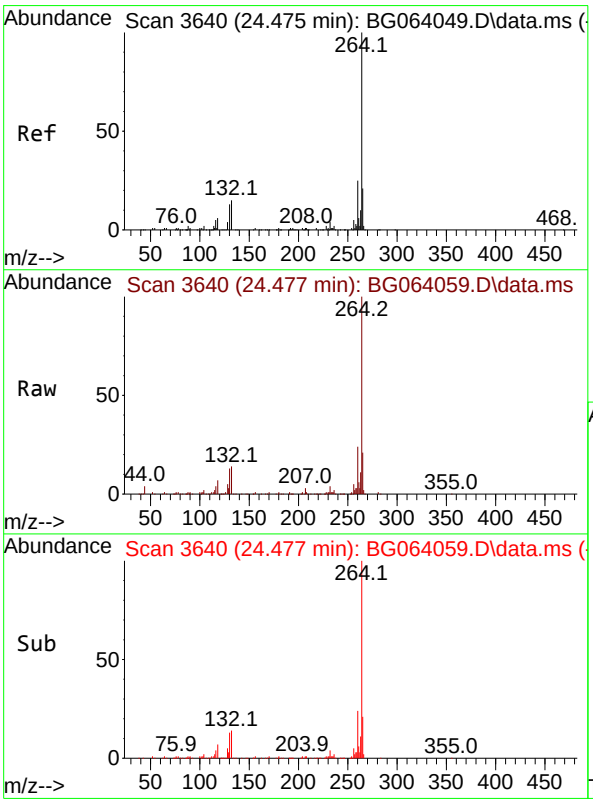
#79
Terphenyl-d14
Concen: 92.710 ng
RT: 19.853 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Tgt Ion:244 Resp: 1197853

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.4
122	9.7	8.0	12.0

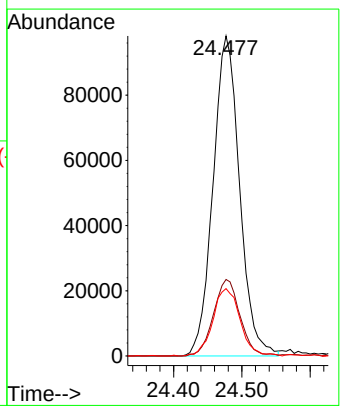




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.477 min Scan# 3640
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:264 Resp: 265918

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	21.0	16.6	25.0



Sample Results: **BG064059.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064059.D
Acq On : 7 Mar 2025 14:58
Operator : RC/JU
Sample : PB167027BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167027BL

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_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064059.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.452	394	402	411	rBV	784129	1201479	35.30%	9.245%
2	7.027	661	670	679	rBV	770741	1299404	38.18%	9.999%
3	7.861	805	812	819	rBV	134110	224928	6.61%	1.731%
4	9.013	999	1008	1019	rBV	452759	800678	23.53%	6.161%
5	10.652	1281	1287	1294	rBV	174439	312496	9.18%	2.405%
6	13.114	1699	1706	1713	rBV	1184922	1817479	53.40%	13.986%
7	14.488	1933	1940	1949	rBV	297271	455000	13.37%	3.501%
8	15.969	2185	2192	2205	rBV	923277	1435902	42.19%	11.049%
9	17.226	2400	2406	2413	rBV	427548	629184	18.49%	4.842%
10	19.853	2847	2853	2864	rBV	2616715	3403364	100.00%	26.189%
11	21.463	3120	3127	3136	rBV	434185	704730	20.71%	5.423%
12	24.477	3630	3640	3653	rBV2	263186	710669	20.88%	5.469%

Sum of corrected areas: 12995313

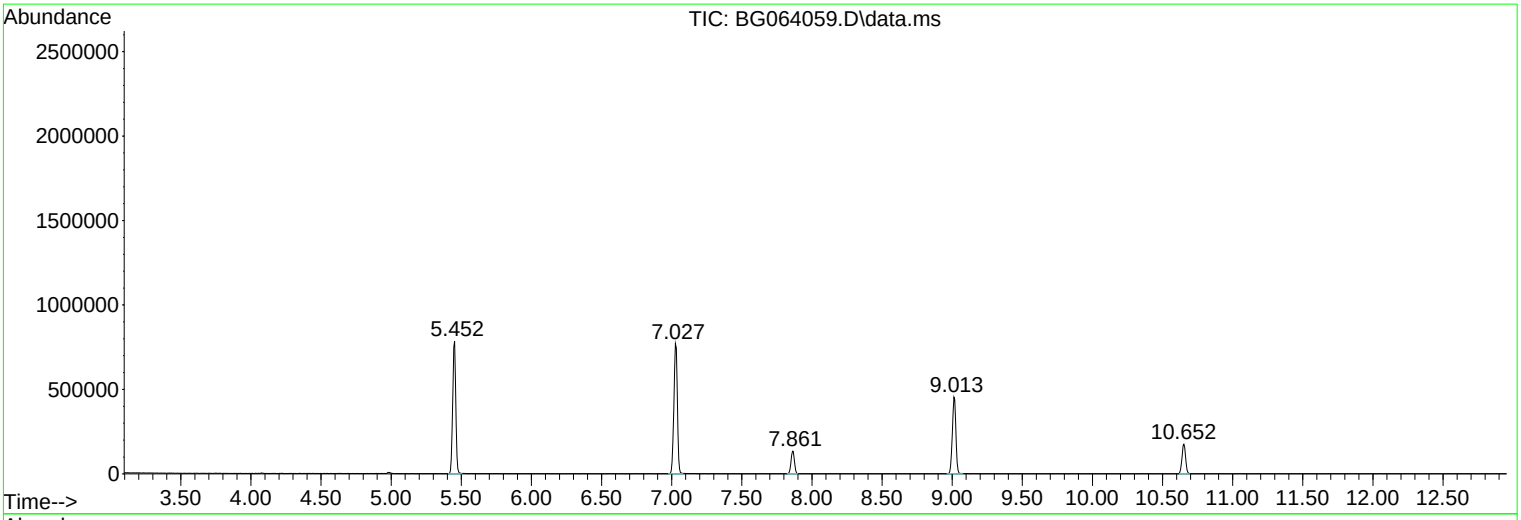
Sample Results: **BG064059.D**

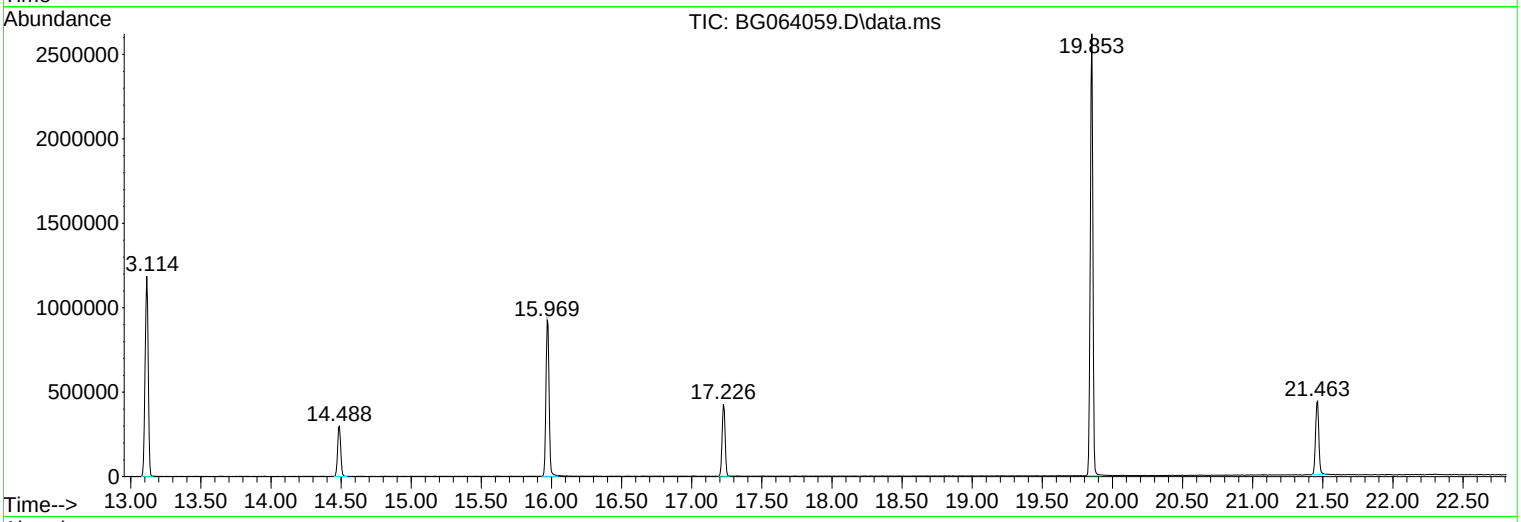
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064059.D
Acq On : 7 Mar 2025 14:58
Operator : RC/JU
Sample : PB167027BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

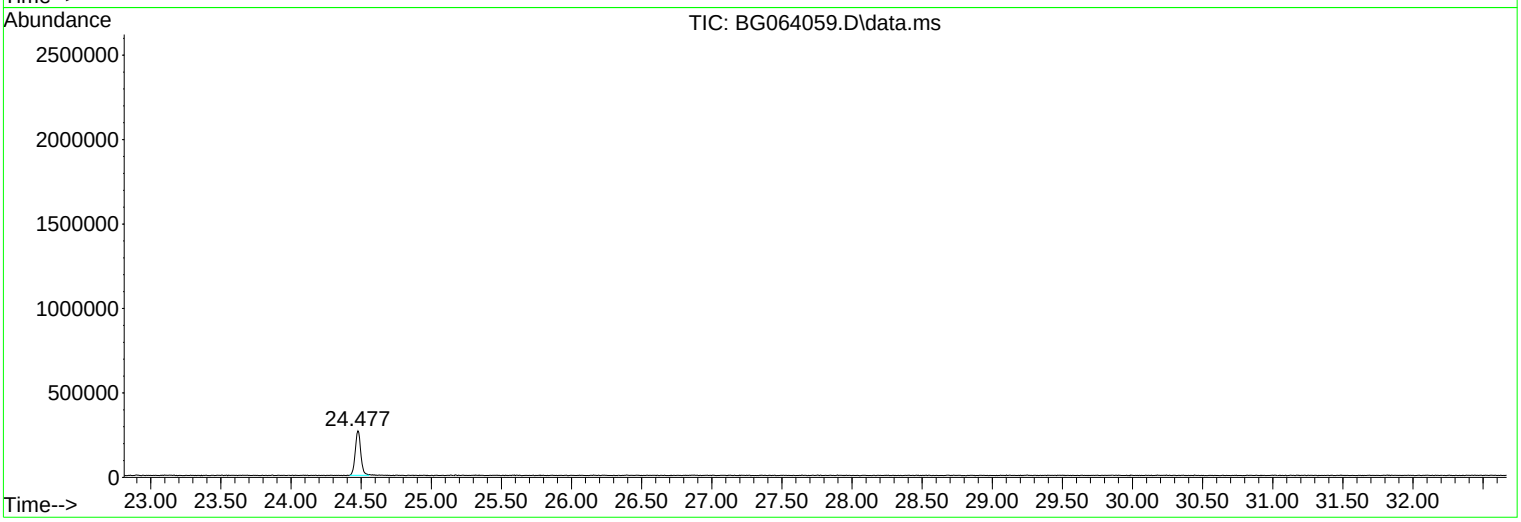
Instrument :
BNA_G
ClientSampleId :
PB167027BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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_G\Data\BG030725\
Data File : BG064059.D
Acq On : 7 Mar 2025 14:58
Operator : RC/JU
Sample : PB167027BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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_G\Data\BG030725\
Data File : BG064059.D
Acq On : 7 Mar 2025 14:58
Operator : RC/JU
Sample : PB167027BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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_G\Data\BG030725\
Data File : BG064057.D
Acq On : 7 Mar 2025 13:37
Operator : RC/JU
Sample : PB167031BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Quant Time: Mar 07 14:20:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

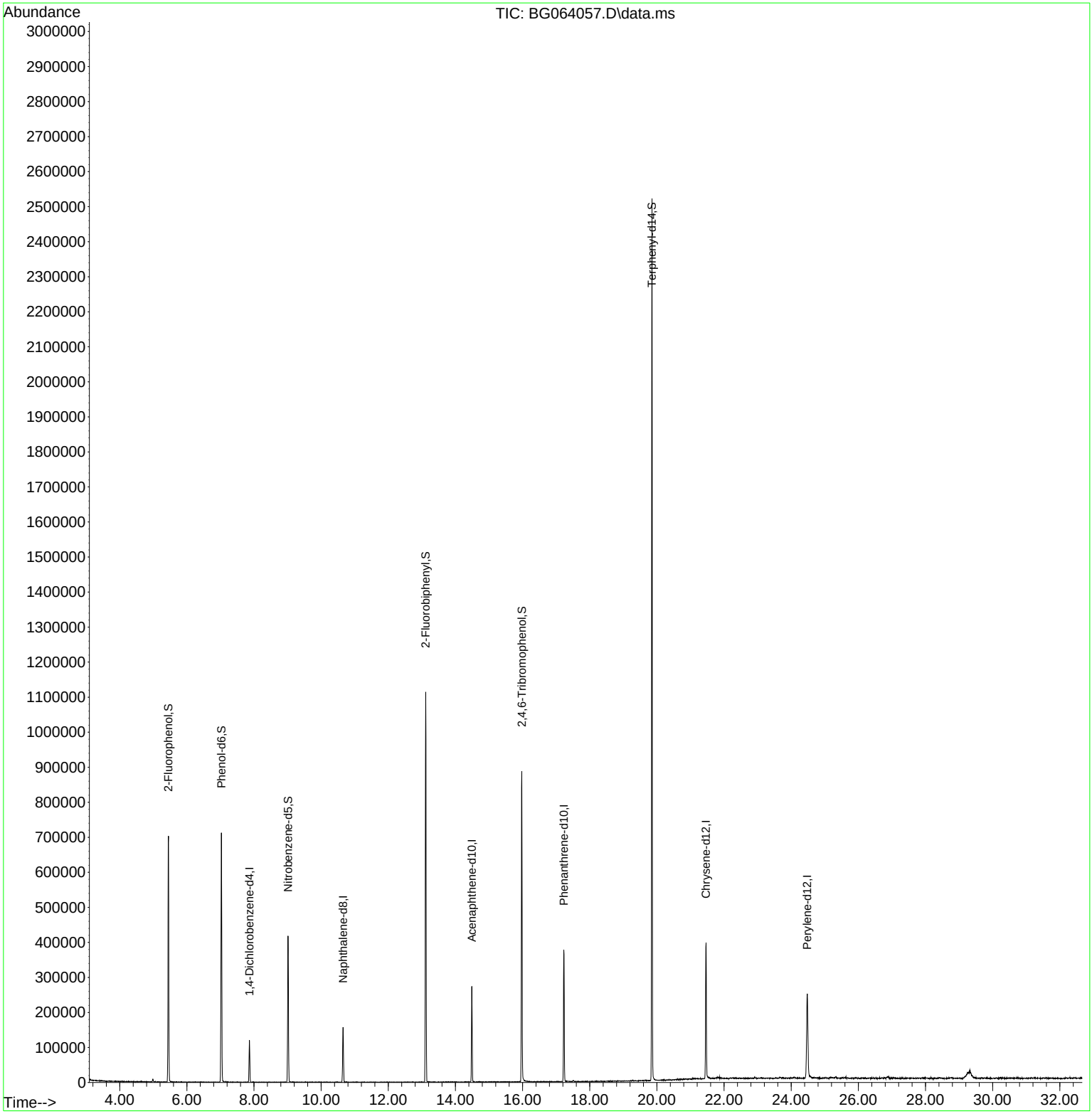
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	29333	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	120699	20.000	ng	0.00
39) Acenaphthene-d10	14.488	164	87279	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	222662	20.000	ng	0.00
76) Chrysene-d12	21.462	240	230159	20.000	ng	0.00
86) Perylene-d12	24.476	264	246932	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	262956	139.976	ng	0.00
7) Phenol-d6	7.026	99	342200	133.902	ng	0.00
23) Nitrobenzene-d5	9.012	82	215185	98.522	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	146075	150.567	ng	0.00
45) 2-Fluorobiphenyl	13.113	172	541325	94.143	ng	0.00
79) Terphenyl-d14	19.852	244	1142139	100.339	ng	0.00
Target Compounds						Qvalue

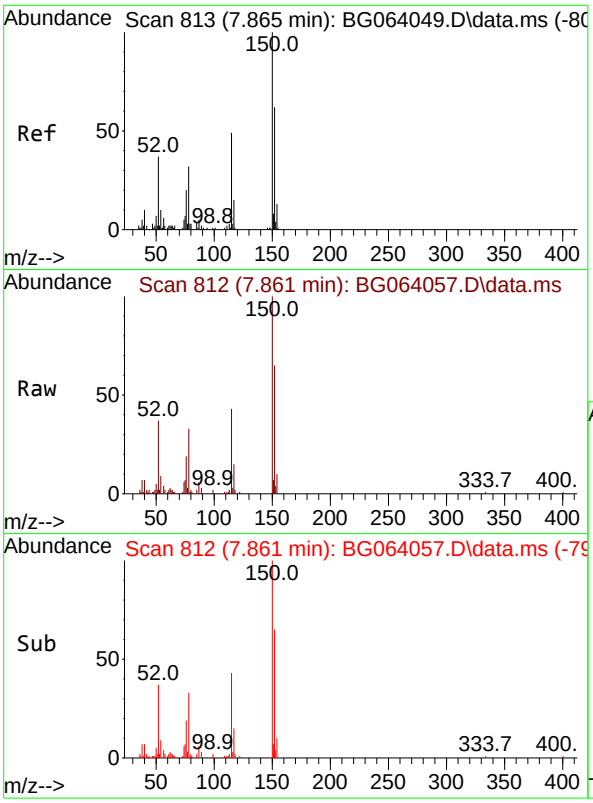
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064057.D
Acq On : 7 Mar 2025 13:37
Operator : RC/JU
Sample : PB167031BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Quant Time: Mar 07 14:20:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



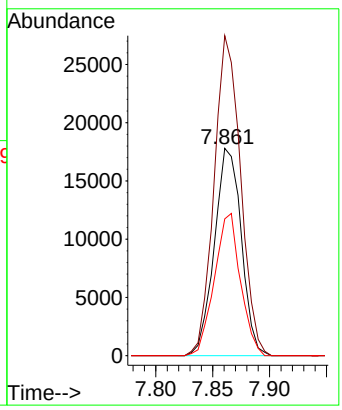


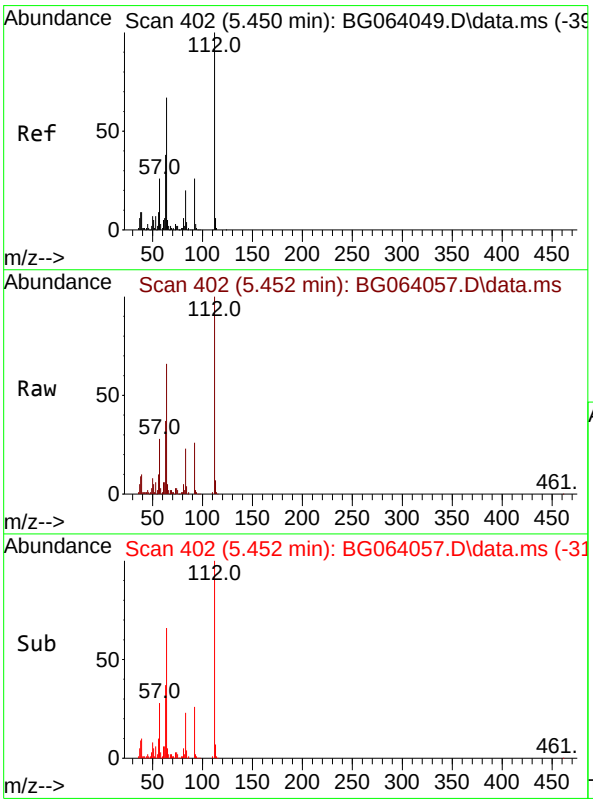
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Tgt Ion:152 Resp: 29333

Ion	Ratio	Lower	Upper
152	100		
150	154.3	129.2	193.8
115	66.0	63.0	94.6

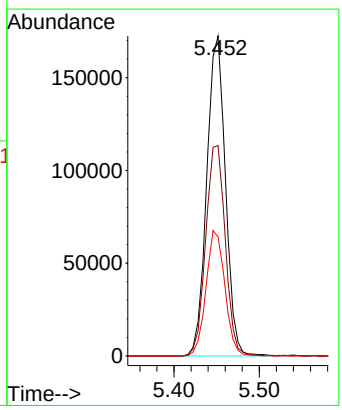


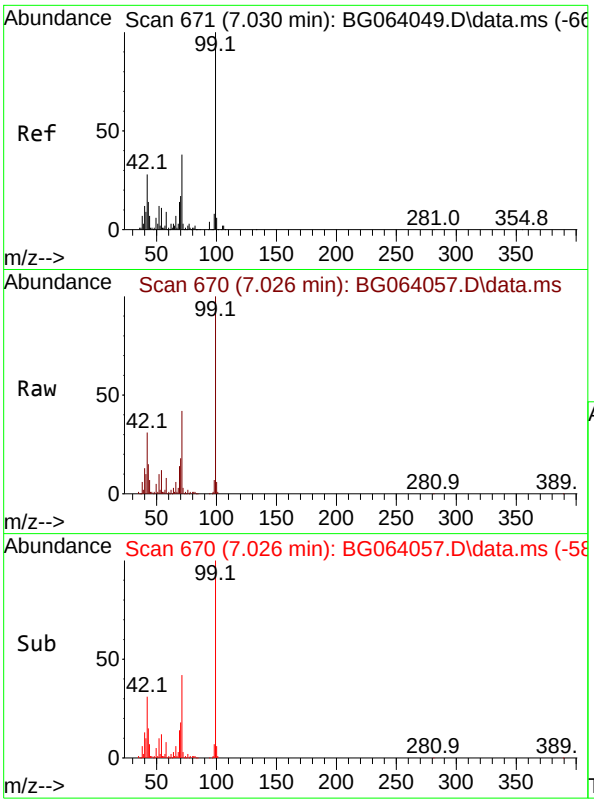


#5
2-Fluorophenol
Concen: 139.976 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:112 Resp: 262956

Ion	Ratio	Lower	Upper
112	100		
64	65.8	53.7	80.5
63	37.2	30.2	45.4



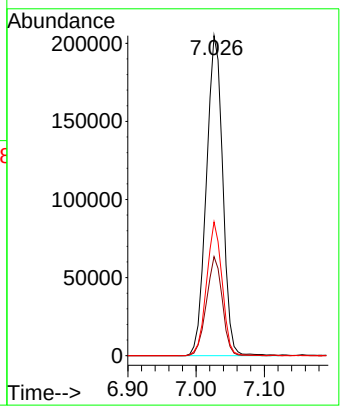


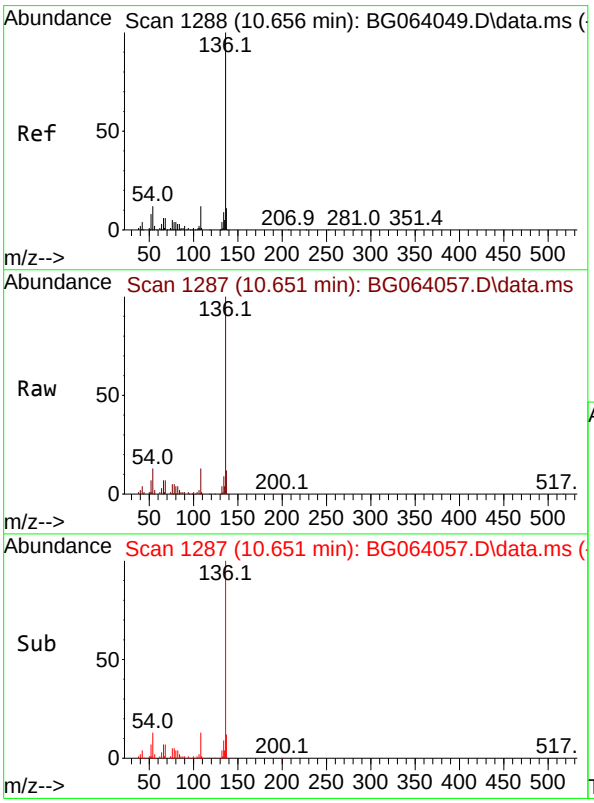
#7
Phenol-d6
Concen: 133.902 ng
RT: 7.026 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Tgt Ion: 99 Resp: 342200

Ion	Ratio	Lower	Upper
99	100		
42	30.9	22.7	34.1
71	41.8	30.6	46.0

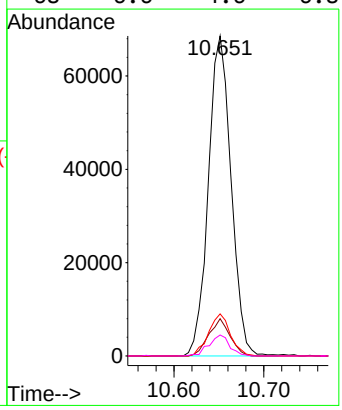


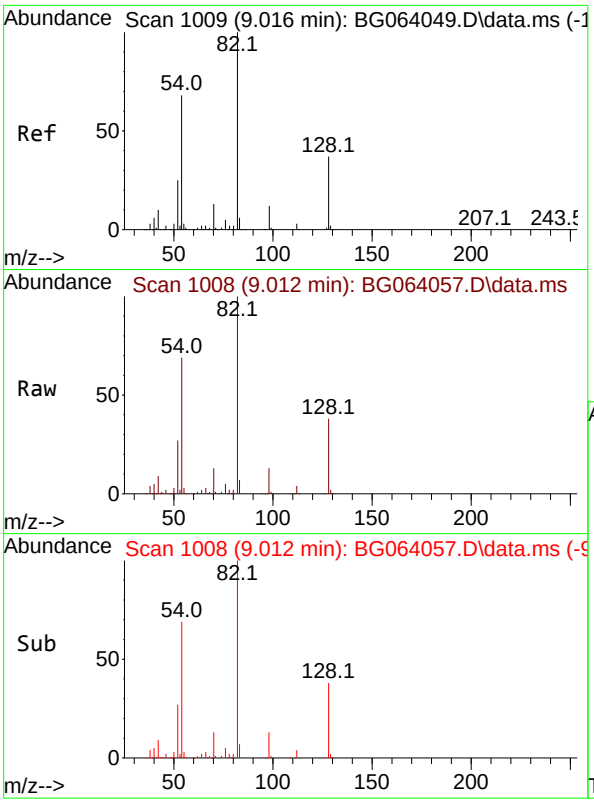


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1287
Delta R.T. -0.005 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:136 Resp: 120699

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.5	12.7
54	13.2	9.9	14.9
68	6.6	4.6	6.8



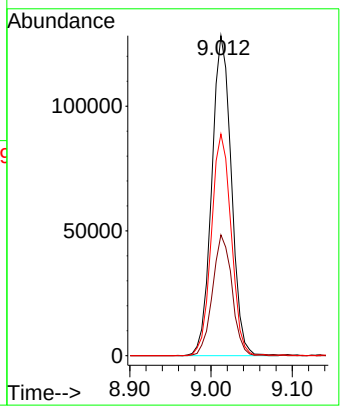


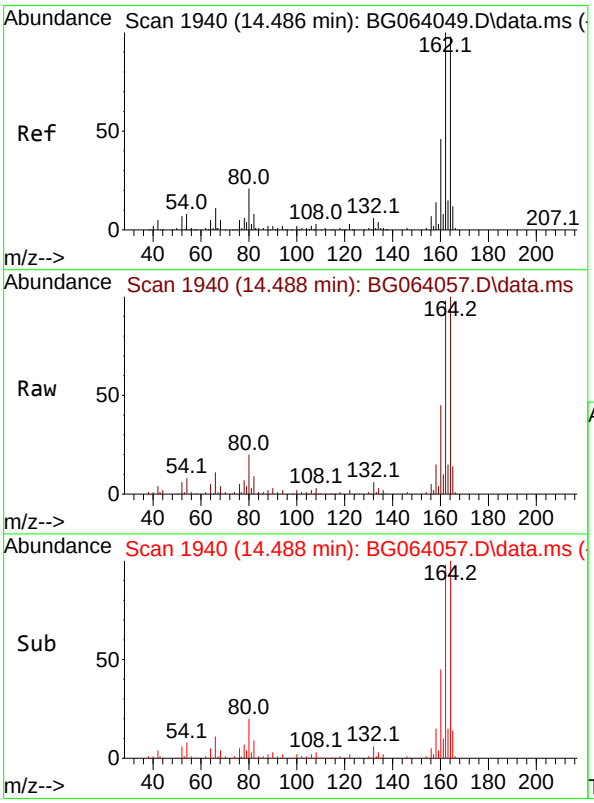
#23
Nitrobenzene-d5
Concen: 98.522 ng
RT: 9.012 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Tgt Ion: 82 Resp: 215185

Ion	Ratio	Lower	Upper
82	100		
128	37.8	30.0	45.0
54	69.2	54.7	82.1

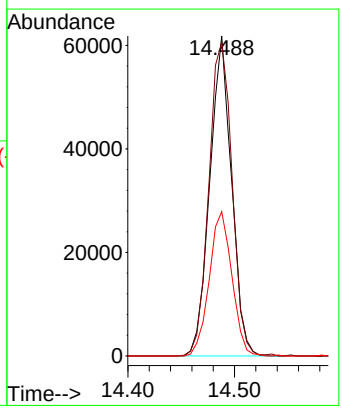


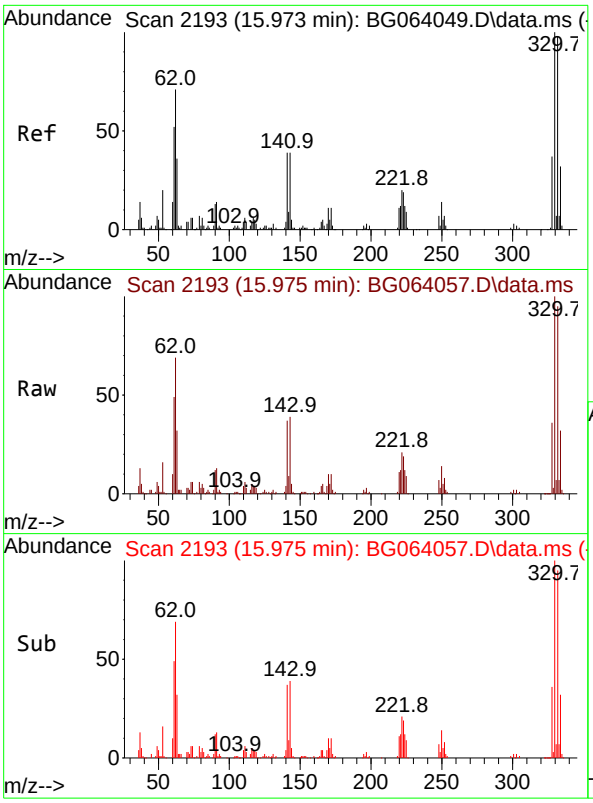


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.488 min Scan# 1940
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:164 Resp: 87279

Ion	Ratio	Lower	Upper
164	100		
162	98.1	81.4	122.0
160	45.1	37.0	55.6



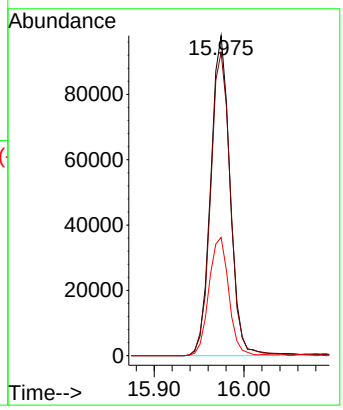


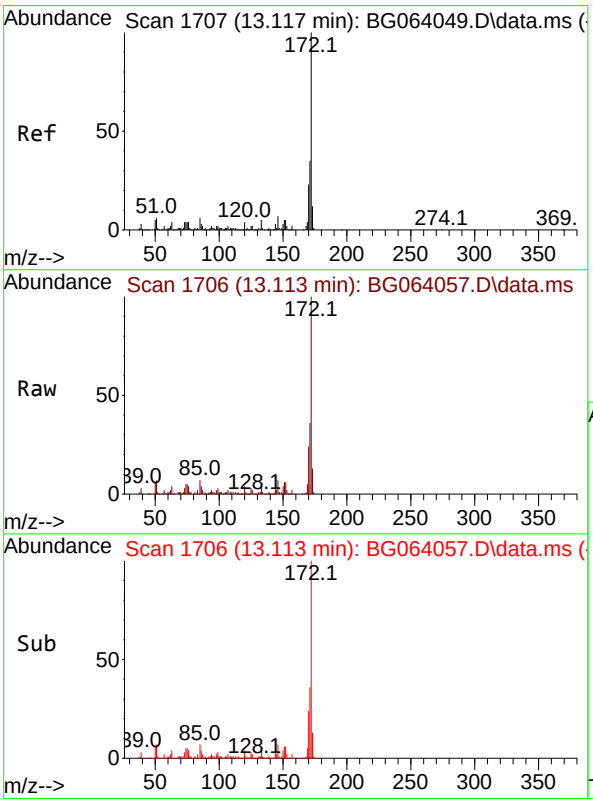
#42
2,4,6-Tribromophenol
Concen: 150.567 ng
RT: 15.975 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Tgt Ion:330 Resp: 146075

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.7	115.1
141	38.3	29.7	44.5

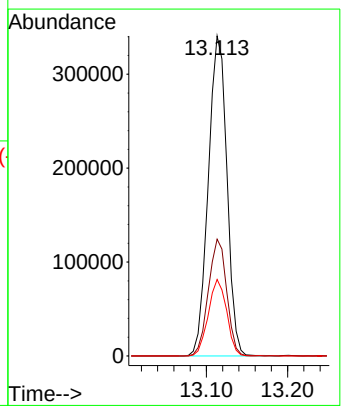


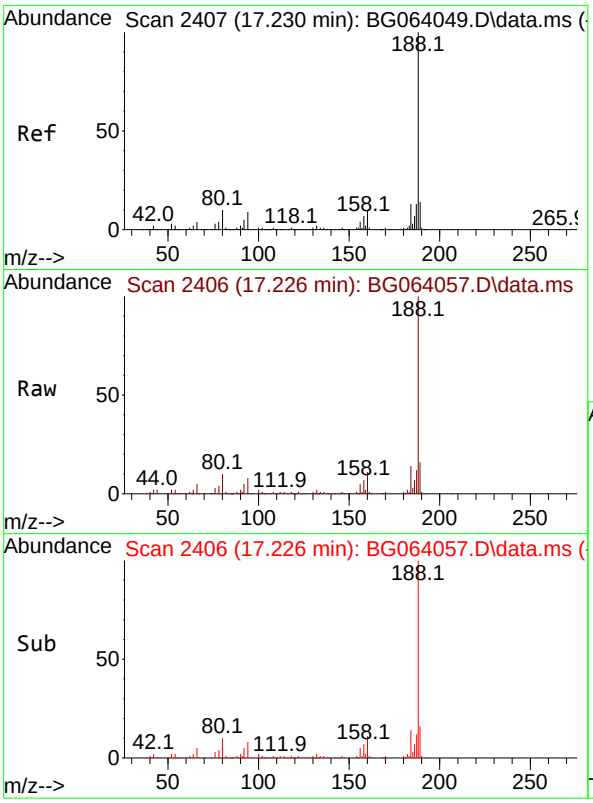


#45
2-Fluorobiphenyl
Concen: 94.143 ng
RT: 13.113 min Scan# 1706
Delta R.T. -0.004 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:172 Resp: 541325

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.0	42.0
170	23.9	18.7	28.1



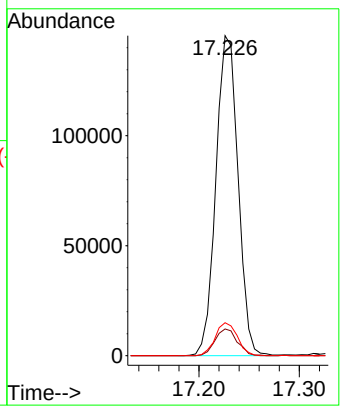


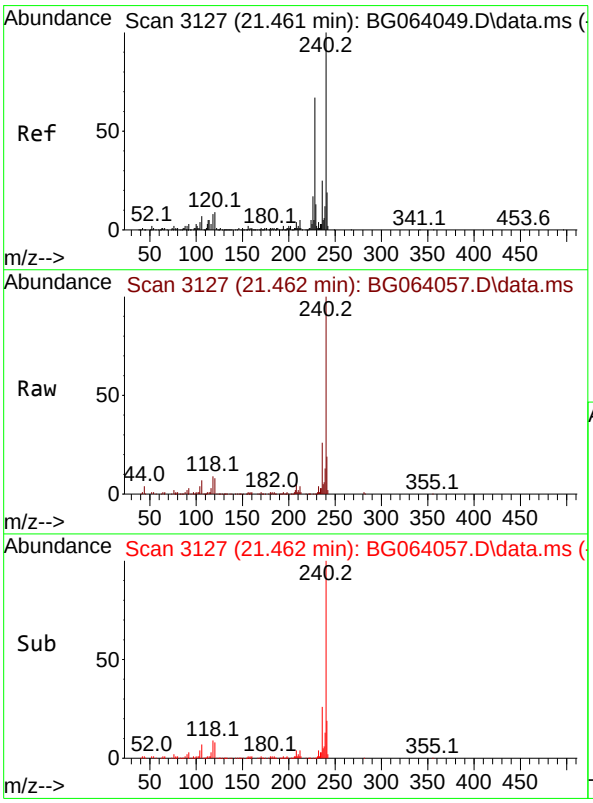
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.226 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Tgt Ion:188 Resp: 222662

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	10.3	8.1	12.1

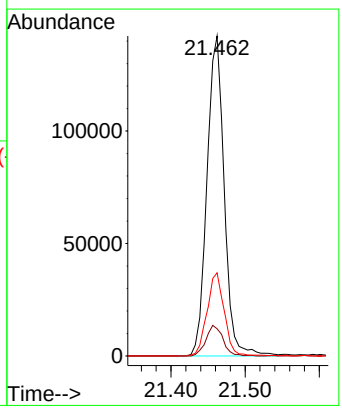


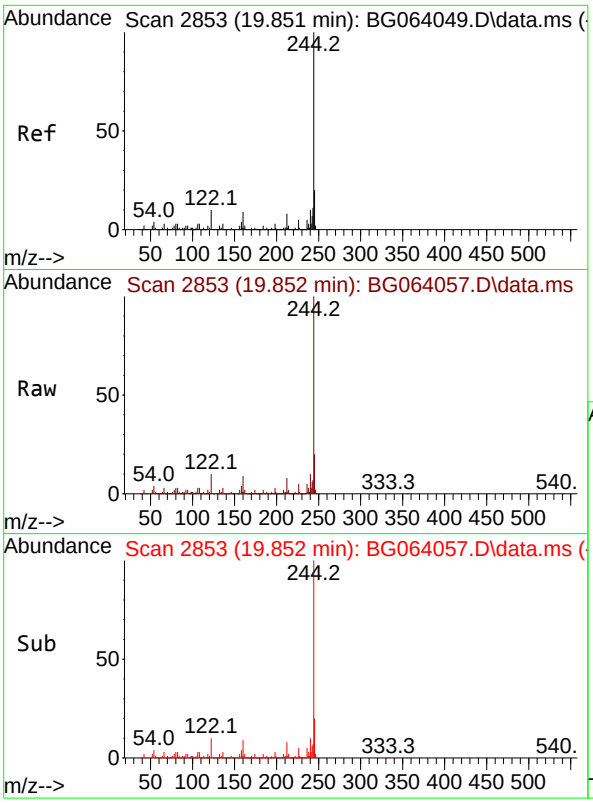


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3127
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:240 Resp: 230159

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.2	10.8
236	26.0	20.2	30.2



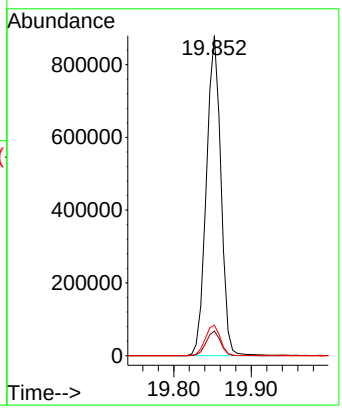


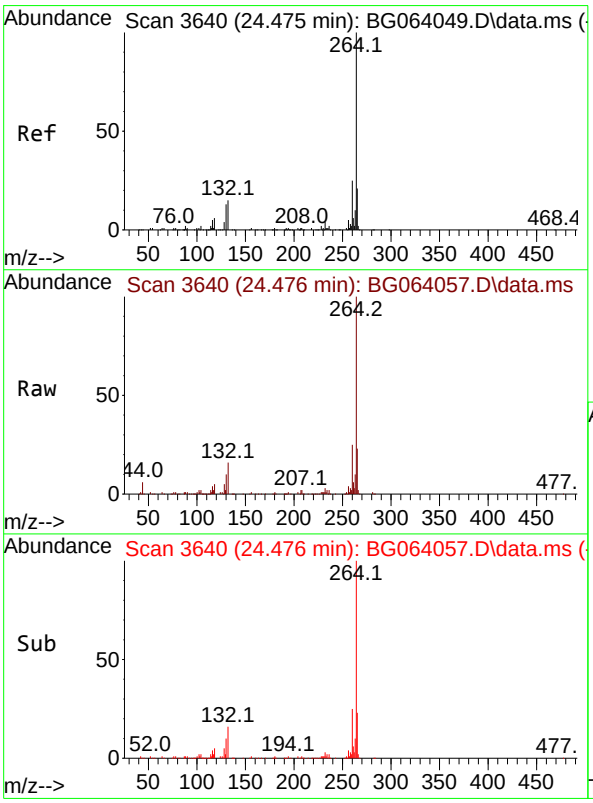
#79
Terphenyl-d14
Concen: 100.339 ng
RT: 19.852 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Tgt Ion:244 Resp: 1142139

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.4
122	9.6	8.0	12.0

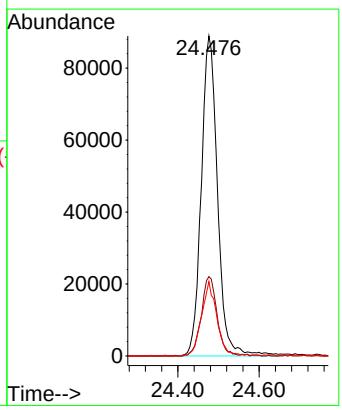




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.476 min Scan# 3640
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:264 Resp: 246932

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	23.3	16.6	25.0



Sample Results: **BG064057.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064057.D
Acq On : 7 Mar 2025 13:37
Operator : RC/JU
Sample : PB167031BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167031BL

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_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064057.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.452	395	402	411	rBV	702036	1093570	33.70%	9.104%
2	7.026	662	670	683	rBV	711558	1176998	36.27%	9.799%
3	7.861	806	812	822	rBV	119828	193557	5.97%	1.611%
4	9.012	1000	1008	1016	rBV	417700	708719	21.84%	5.900%
5	10.651	1280	1287	1294	rVB	157042	271845	8.38%	2.263%
6	13.113	1699	1706	1713	rBV	1113479	1720018	53.01%	14.319%
7	14.488	1933	1940	1948	rBV	273153	403700	12.44%	3.361%
8	15.975	2186	2193	2206	rBV	886231	1334009	41.11%	11.106%
9	17.226	2400	2406	2417	rBV2	376082	574208	17.70%	4.780%
10	19.852	2847	2853	2867	rBV	2515351	3244773	100.00%	27.013%
11	21.462	3120	3127	3133	rBV	387129	631512	19.46%	5.257%
12	24.476	3629	3640	3651	rBV	241529	659004	20.31%	5.486%

Sum of corrected areas: 12011913

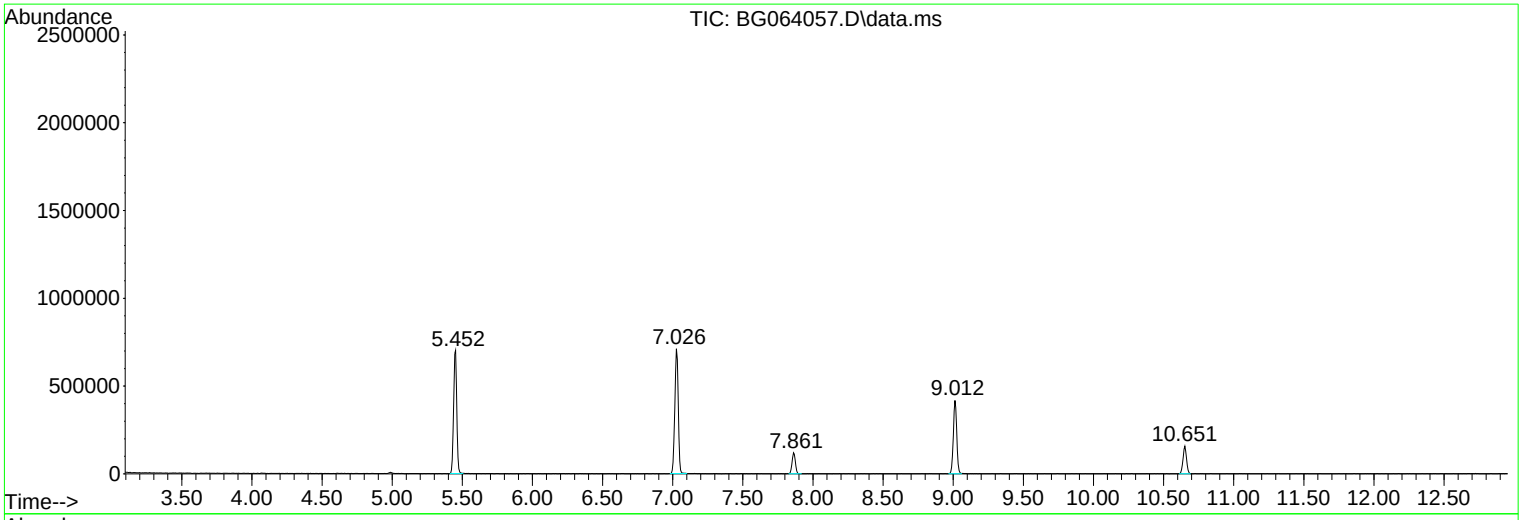
Sample Results: **BG064057.D**

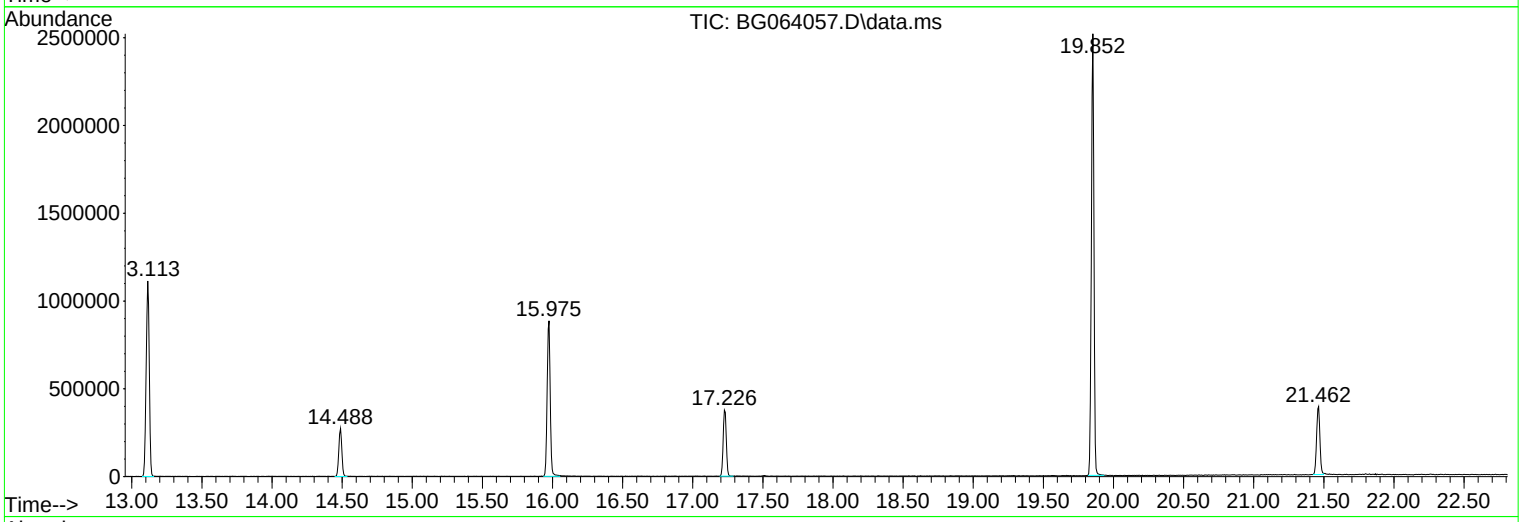
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064057.D
Acq On : 7 Mar 2025 13:37
Operator : RC/JU
Sample : PB167031BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

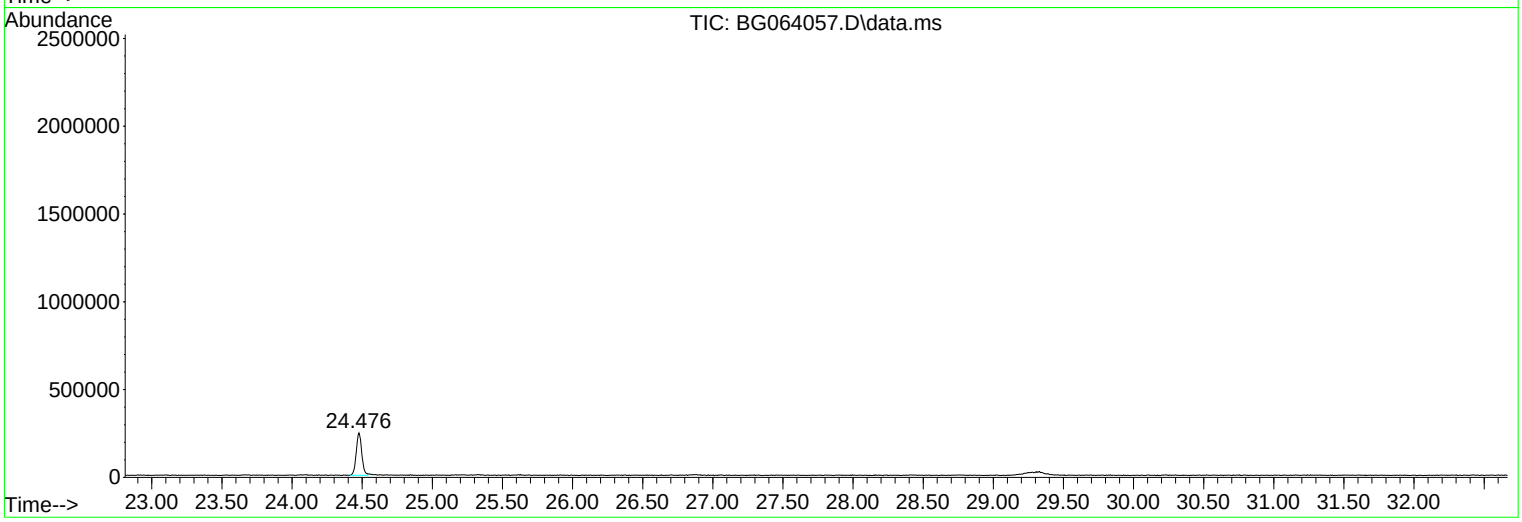
Instrument :
BNA_G
ClientSampleId :
PB167031BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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_G\Data\BG030725\
Data File : BG064057.D
Acq On : 7 Mar 2025 13:37
Operator : RC/JU
Sample : PB167031BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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_G\Data\BG030725\
Data File : BG064057.D
Acq On : 7 Mar 2025 13:37
Operator : RC/JU
Sample : PB167031BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.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_G\Data\BG030725\
Data File : BG064060.D
Acq On : 7 Mar 2025 15:39
Operator : RC/JU
Sample : PB167027BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 16:12:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.864	152	34687	20.000	ng		0.00
21) Naphthalene-d8	10.655	136	155641	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	112589	20.000	ng		0.00
64) Phenanthrene-d10	17.230	188	253745	20.000	ng		0.00
76) Chrysene-d12	21.466	240	254292	20.000	ng		0.00
86) Perylene-d12	24.480	264	275837	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.449	112	310296	139.681	ng		0.00
7) Phenol-d6	7.030	99	412819	136.602	ng		0.00
23) Nitrobenzene-d5	9.016	82	265661	94.326	ng		0.00
42) 2,4,6-Tribromophenol	15.978	330	185497	148.219	ng		0.00
45) 2-Fluorobiphenyl	13.117	172	638446	86.073	ng		0.00
79) Terphenyl-d14	19.850	244	1175577	93.476	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.363	88	38466	38.207	ng		97
3) Pyridine	3.751	79	96049	39.228	ng		98
4) n-Nitrosodimethylamine	3.669	42	78132	44.663	ng	#	95
6) Aniline	7.188	93	106497	35.913	ng		99
8) 2-Chlorophenol	7.429	128	104925	43.977	ng		98
9) Benzaldehyde	7.000	77	36958	21.027	ng		95
10) Phenol	7.059	94	141366	45.689	ng		98
11) bis(2-Chloroethyl)ether	7.288	93	95875	39.524	ng		94
12) 1,3-Dichlorobenzene	7.752	146	103971	39.683	ng		95
13) 1,4-Dichlorobenzene	7.899	146	108911	40.555	ng		98
14) 1,2-Dichlorobenzene	8.217	146	103707	40.048	ng		98
15) Benzyl Alcohol	8.099	79	105756	45.286	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.387	45	233187	42.752	ng		99
17) 2-Methylphenol	8.299	107	98070	47.757	ng		98
18) Hexachloroethane	8.945	117	39503	42.043	ng		98
19) n-Nitroso-di-n-propyla...	8.669	70	90329	42.590	ng		99
20) 3+4-Methylphenols	8.628	107	134891	47.714	ng		94
22) Acetophenone	8.681	105	194894	45.671	ng	#	97
24) Nitrobenzene	9.057	77	128238	44.058	ng		98
25) Isophorone	9.580	82	246299	43.692	ng		96
26) 2-Nitrophenol	9.768	139	42881	43.608	ng		92
27) 2,4-Dimethylphenol	9.826	122	101419	60.013	ng		93
28) bis(2-Chloroethoxy)met...	10.067	93	142441	41.677	ng		98
29) 2,4-Dichlorophenol	10.296	162	102575	48.069	ng		97
30) 1,2,4-Trichlorobenzene	10.520	180	105591	40.990	ng		99
31) Naphthalene	10.702	128	344551	41.054	ng		99
32) Benzoic acid	9.973	122	68460m	44.818	ng		
33) 4-Chloroaniline	10.808	127	55447	18.076	ng		99
34) Hexachlorobutadiene	10.996	225	71617	42.415	ng		99
35) Caprolactam	11.566	113	42467m	51.932	ng		
36) 4-Chloro-3-methylphenol	11.930	107	129710	46.372	ng		96
37) 2-Methylnaphthalene	12.312	142	242058	40.855	ng		98
38) 1-Methylnaphthalene	12.529	142	240617	41.453	ng		97
40) 1,2,4,5-Tetrachloroben...	12.682	216	143110	44.522	ng		99
41) Hexachlorocyclopentadiene	12.664	237	140946	155.796	ng		91
43) 2,4,6-Trichlorophenol	12.917	196	90615	47.832	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064060.D
Acq On : 7 Mar 2025 15:39
Operator : RC/JU
Sample : PB167027BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 16:12:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.987	196	101854	48.387	ng		99
46) 1,1'-Biphenyl	13.322	154	385498	45.320	ng		99
47) 2-Chloronaphthalene	13.363	162	259667	41.856	ng		97
48) 2-Nitroaniline	13.563	65	89126	44.061	ng		98
49) Acenaphthylene	14.210	152	435964	44.428	ng		99
50) Dimethylphthalate	13.951	163	349243	42.022	ng		100
51) 2,6-Dinitrotoluene	14.063	165	71443	42.766	ng		91
52) Acenaphthene	14.556	154	276523	41.990	ng		96
53) 3-Nitroaniline	14.386	138	41117	25.598	ng		98
54) 2,4-Dinitrophenol	14.591	184	62531	88.069	ng	#	86
55) Dibenzofuran	14.891	168	426402	39.969	ng		99
56) 4-Nitrophenol	14.697	139	134644	99.947	ng		93
57) 2,4-Dinitrotoluene	14.850	165	104186	45.027	ng	#	96
58) Fluorene	15.537	166	346223	41.668	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.108	232	96141m	46.850	ng		
60) Diethylphthalate	15.320	149	379847	42.100	ng		100
61) 4-Chlorophenyl-phenyle...	15.532	204	171110	41.440	ng		93
62) 4-Nitroaniline	15.555	138	77649	44.775	ng		99
63) Azobenzene	15.825	77	386892	40.185	ng		99
65) 4,6-Dinitro-2-methylph...	15.608	198	48030	44.528	ng		98
66) n-Nitrosodiphenylamine	15.749	169	312948	43.571	ng		99
67) 4-Bromophenyl-phenylether	16.425	248	113650	43.731	ng		98
68) Hexachlorobenzene	16.536	284	124776	42.886	ng		96
69) Atrazine	16.701	200	138076	65.336	ng		96
70) Pentachlorophenol	16.883	266	165396	91.557	ng		98
71) Phenanthrene	17.271	178	584770	43.207	ng		99
72) Anthracene	17.365	178	599926	44.578	ng		99
73) Carbazole	17.629	167	535441	42.613	ng		99
74) Di-n-butylphthalate	18.205	149	651127	44.024	ng		100
75) Fluoranthene	19.280	202	675567	41.404	ng		98
77) Benzidine	19.462	184	187648	53.291	ng		98
78) Pyrene	19.644	202	714233	43.572	ng		98
80) Butylbenzylphthalate	20.549	149	274108	44.823	ng		98
81) Benzo(a)anthracene	21.442	228	726148	44.579	ng		99
82) 3,3'-Dichlorobenzidine	21.366	252	152208	28.872	ng		96
83) Chrysene	21.507	228	701459	43.176	ng		99
84) Bis(2-ethylhexyl)phtha...	21.383	149	424390	48.174	ng		99
85) Di-n-octyl phthalate	22.529	149	723815	47.635	ng		99
87) Indeno(1,2,3-cd)pyrene	27.876	276	835748	45.284	ng		98
88) Benzo(b)fluoranthene	23.534	252	707242	42.412	ng		98
89) Benzo(k)fluoranthene	23.599	252	722895	43.213	ng		99
90) Benzo(a)pyrene	24.345	252	678225	45.669	ng		97
91) Dibenzo(a,h)anthracene	27.952	278	682070	44.579	ng		100
92) Benzo(g,h,i)perylene	28.945	276	653491	41.599	ng		96

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

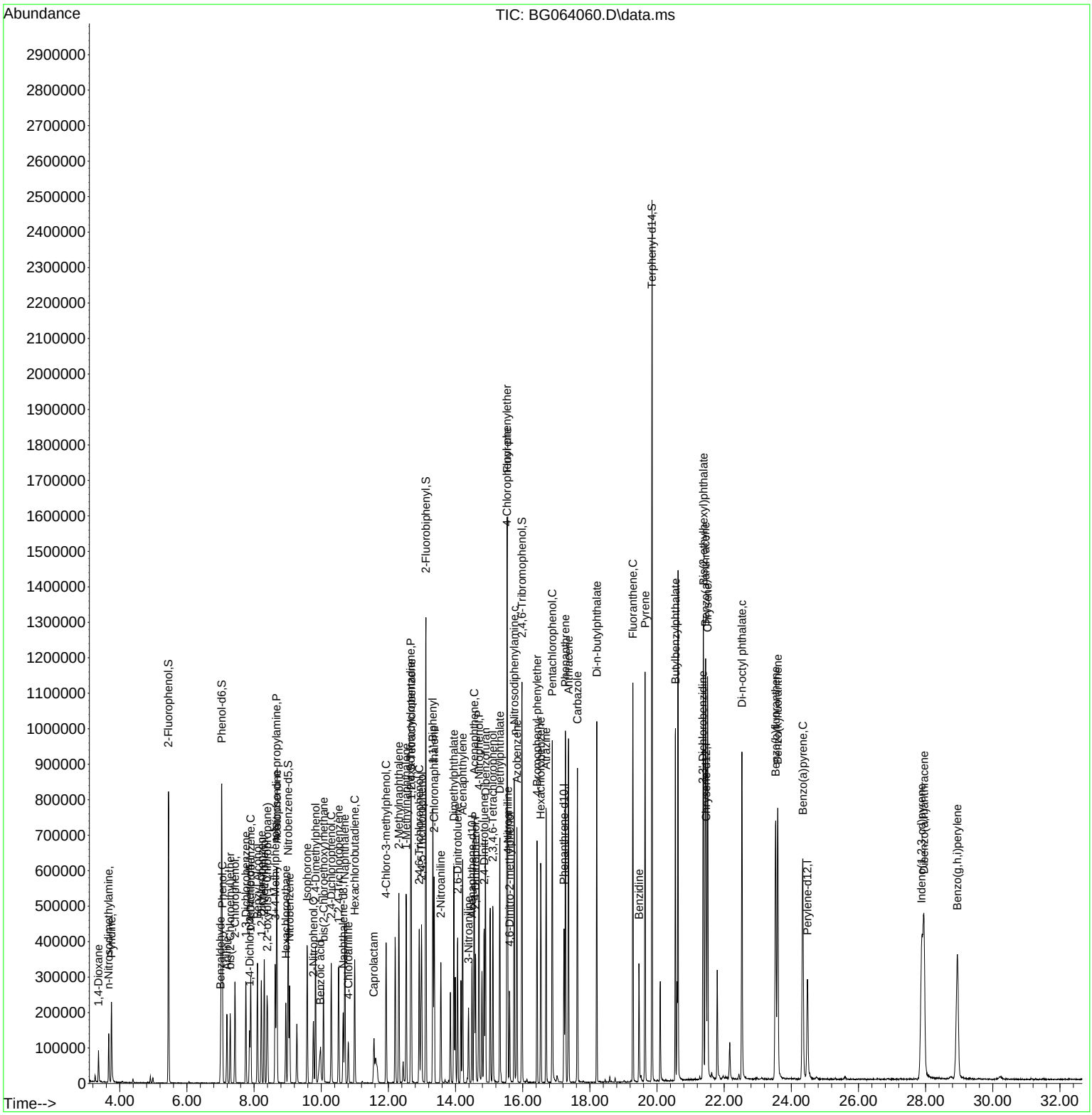
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064060.D
Acq On : 7 Mar 2025 15:39
Operator : RC/JU
Sample : PB167027BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 16:12:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064058.D
Acq On : 7 Mar 2025 14:18
Operator : RC/JU
Sample : PB167031BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 14:57:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.864	152	37350	20.000	ng		0.00
21) Naphthalene-d8	10.655	136	167596	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	115306	20.000	ng		0.00
64) Phenanthrene-d10	17.230	188	265788	20.000	ng		0.00
76) Chrysene-d12	21.466	240	268408	20.000	ng		0.00
86) Perylene-d12	24.480	264	290005	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.455	112	314786	131.599	ng		0.00
7) Phenol-d6	7.036	99	416430	127.972	ng		0.00
23) Nitrobenzene-d5	9.016	82	264399	87.181	ng		0.00
42) 2,4,6-Tribromophenol	15.978	330	179892	140.353	ng		0.00
45) 2-Fluorobiphenyl	13.117	172	634957	83.585	ng		0.00
79) Terphenyl-d14	19.850	244	1172088	88.297	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.369	88	40790	37.627	ng		93
3) Pyridine	3.751	79	99512	37.745	ng		97
4) n-Nitrosodimethylamine	3.669	42	84558	44.890	ng		94
6) Aniline	7.194	93	115817	36.271	ng		98
8) 2-Chlorophenol	7.429	128	105909	41.225	ng		96
9) Benzaldehyde	7.006	77	37486	19.807	ng		96
10) Phenol	7.059	94	144336	43.323	ng		99
11) bis(2-Chloroethyl)ether	7.288	93	101920	39.020	ng		95
12) 1,3-Dichlorobenzene	7.758	146	109287	38.738	ng		99
13) 1,4-Dichlorobenzene	7.899	146	109982	38.034	ng		98
14) 1,2-Dichlorobenzene	8.217	146	105273	37.754	ng		97
15) Benzyl Alcohol	8.099	79	104525	41.567	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.387	45	231908	39.486	ng		98
17) 2-Methylphenol	8.299	107	98229	44.424	ng		97
18) Hexachloroethane	8.945	117	40703	40.232	ng		94
19) n-Nitroso-di-n-propyla...	8.669	70	88738	38.857	ng		98
20) 3+4-Methylphenols	8.628	107	132984	43.685	ng		97
22) Acetophenone	8.681	105	194433	42.313	ng	#	98
24) Nitrobenzene	9.057	77	128158	40.890	ng		95
25) Isophorone	9.580	82	247923	40.843	ng		96
26) 2-Nitrophenol	9.768	139	42284	40.610	ng		95
27) 2,4-Dimethylphenol	9.827	122	100614	55.290	ng		94
28) bis(2-Chloroethoxy)met...	10.068	93	141355	38.409	ng		98
29) 2,4-Dichlorophenol	10.297	162	99214	43.177	ng		97
30) 1,2,4-Trichlorobenzene	10.520	180	108054	38.954	ng		96
31) Naphthalene	10.702	128	340891	37.721	ng		99
32) Benzoic acid	9.979	122	62172m	39.159	ng		
33) 4-Chloroaniline	10.808	127	65346	19.784	ng		97
34) Hexachlorobutadiene	10.996	225	70901	38.996	ng		97
35) Caprolactam	11.578	113	42282m	48.017	ng		
36) 4-Chloro-3-methylphenol	11.930	107	124870	41.457	ng		93
37) 2-Methylnaphthalene	12.312	142	236809	37.118	ng		97
38) 1-Methylnaphthalene	12.529	142	237776	38.041	ng		95
40) 1,2,4,5-Tetrachloroben...	12.682	216	142769	43.370	ng		98
41) Hexachlorocyclopentadiene	12.670	237	134371	145.029	ng		95
43) 2,4,6-Trichlorophenol	12.917	196	86642	44.657	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064058.D
Acq On : 7 Mar 2025 14:18
Operator : RC/JU
Sample : PB167031BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 14:57:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	95182	44.152	ng		98
46) 1,1'-Biphenyl	13.323	154	383958	44.075	ng		97
47) 2-Chloronaphthalene	13.364	162	260312	40.971	ng		97
48) 2-Nitroaniline	13.563	65	88261	42.853	ng		95
49) Acenaphthylene	14.210	152	421662	41.958	ng		99
50) Dimethylphthalate	13.951	163	345559	40.599	ng		99
51) 2,6-Dinitrotoluene	14.063	165	69789	40.946	ng		97
52) Acenaphthene	14.556	154	268690	39.839	ng		97
53) 3-Nitroaniline	14.386	138	43112	26.207	ng		96
54) 2,4-Dinitrophenol	14.597	184	60678	83.859	ng		92
55) Dibenzofuran	14.891	168	416978	38.165	ng		98
56) 4-Nitrophenol	14.697	139	134556	97.528	ng		93
57) 2,4-Dinitrotoluene	14.850	165	101445	42.989	ng	#	98
58) Fluorene	15.538	166	338529	39.782	ng		95
59) 2,3,4,6-Tetrachlorophenol	15.115	232	91404	43.492	ng		96
60) Diethylphthalate	15.320	149	369537	39.992	ng		98
61) 4-Chlorophenyl-phenyle...	15.538	204	165324	39.095	ng		97
62) 4-Nitroaniline	15.555	138	77903	43.863	ng		93
63) Azobenzene	15.825	77	388690	39.420	ng		97
65) 4,6-Dinitro-2-methylph...	15.608	198	45885	41.331	ng		94
66) n-Nitrosodiphenylamine	15.749	169	304982	40.538	ng		97
67) 4-Bromophenyl-phenylether	16.425	248	108783	39.962	ng		96
68) Hexachlorobenzene	16.542	284	124061	40.708	ng		99
69) Atrazine	16.701	200	137316	62.032	ng		95
70) Pentachlorophenol	16.883	266	161432	85.314	ng		97
71) Phenanthrene	17.271	178	586440	41.367	ng		98
72) Anthracene	17.365	178	595310	42.231	ng		98
73) Carbazole	17.629	167	543876	41.324	ng		100
74) Di-n-butylphthalate	18.205	149	638316	41.202	ng		99
75) Fluoranthene	19.280	202	672893	39.371	ng		99
77) Benzidine	19.462	184	196853	52.965	ng		96
78) Pyrene	19.645	202	708955	40.975	ng		99
80) Butylbenzylphthalate	20.549	149	266926	41.635	ng		97
81) Benzo(a)anthracene	21.442	228	716446	41.670	ng		98
82) 3,3'-Dichlorobenzidine	21.366	252	150240	27.000	ng		100
83) Chrysene	21.507	228	691699	40.336	ng		99
84) Bis(2-ethylhexyl)phtha...	21.384	149	420121	45.182	ng		98
85) Di-n-octyl phthalate	22.529	149	703025	43.833	ng		99
87) Indeno(1,2,3-cd)pyrene	27.882	276	821866	42.356	ng		98
88) Benzo(b)fluoranthene	23.534	252	699323	39.889	ng		96
89) Benzo(k)fluoranthene	23.593	252	696807	39.618	ng		99
90) Benzo(a)pyrene	24.345	252	672920	43.098	ng		98
91) Dibenzo(a,h)anthracene	27.947	278	684817	42.571	ng		99
92) Benzo(g,h,i)perylene	28.951	276	638368	38.651	ng		97

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

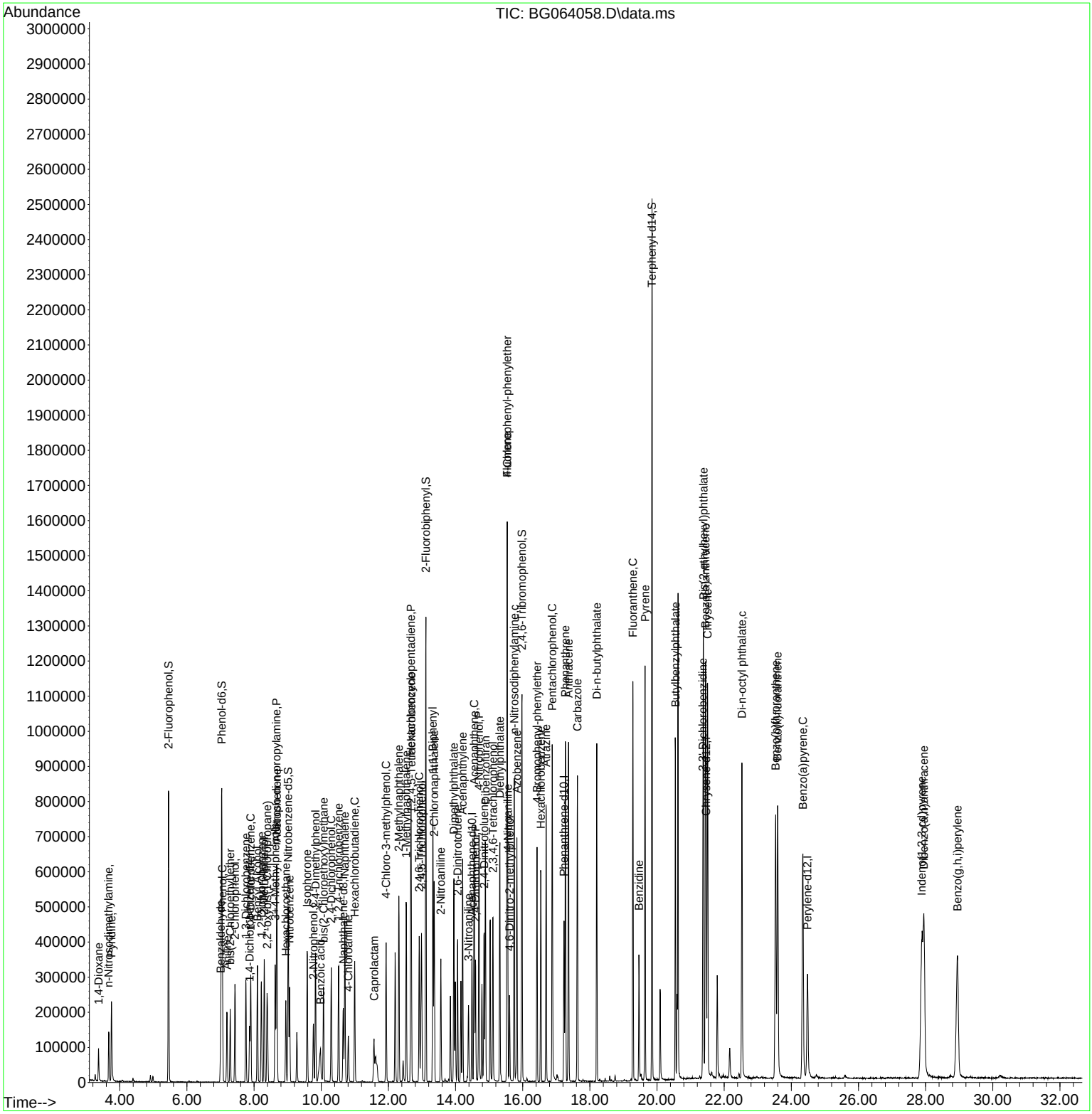
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064058.D
Acq On : 7 Mar 2025 14:18
Operator : RC/JU
Sample : PB167031BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 14:57:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064061.D
Acq On : 7 Mar 2025 16:19
Operator : RC/JU
Sample : PB167027BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 17:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	35231	20.000	ng	0.00
21) Naphthalene-d8	10.655	136	161506	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	117614	20.000	ng	0.00
64) Phenanthrene-d10	17.230	188	256688	20.000	ng	0.00
76) Chrysene-d12	21.466	240	264113	20.000	ng	0.00
86) Perylene-d12	24.480	264	280712	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.450	112	291945	129.391	ng	0.00
7) Phenol-d6	7.030	99	387760	126.329	ng	0.00
23) Nitrobenzene-d5	9.016	82	254764	87.172	ng	0.00
42) 2,4,6-Tribromophenol	15.979	330	174683	133.615	ng	0.00
45) 2-Fluorobiphenyl	13.117	172	602000	77.692	ng	0.00
79) Terphenyl-d14	19.850	244	1127527	86.321	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.364	88	35907	35.115	ng	# 89
3) Pyridine	3.752	79	90275	36.301	ng	98
4) n-Nitrosodimethylamine	3.669	42	75655	42.579	ng	100
6) Aniline	7.189	93	102507	34.034	ng	96
8) 2-Chlorophenol	7.430	128	97979	40.432	ng	98
9) Benzaldehyde	7.001	77	35444m	19.855	ng	
10) Phenol	7.060	94	132900	42.289	ng	99
11) bis(2-Chloroethyl)ether	7.289	93	94750	38.457	ng	97
12) 1,3-Dichlorobenzene	7.753	146	99142	37.256	ng	93
13) 1,4-Dichlorobenzene	7.900	146	104316	38.244	ng	99
14) 1,2-Dichlorobenzene	8.217	146	100127	38.069	ng	98
15) Benzyl Alcohol	8.100	79	98704	41.613	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.387	45	217931	39.338	ng	99
17) 2-Methylphenol	8.299	107	91525	43.881	ng	96
18) Hexachloroethane	8.946	117	38766	40.622	ng	96
19) n-Nitroso-di-n-propyla...	8.669	70	85882	39.868	ng	99
20) 3+4-Methylphenols	8.628	107	123954	43.168	ng	90
22) Acetophenone	8.681	105	183627	41.468	ng	# 98
24) Nitrobenzene	9.057	77	122855	40.676	ng	97
25) Isophorone	9.580	82	230084	39.333	ng	# 95
26) 2-Nitrophenol	9.768	139	42579	42.082	ng	94
27) 2,4-Dimethylphenol	9.827	122	94493	53.884	ng	93
28) bis(2-Chloroethoxy)met...	10.068	93	137219	38.691	ng	98
29) 2,4-Dichlorophenol	10.297	162	96328	43.502	ng	96
30) 1,2,4-Trichlorobenzene	10.514	180	100324	37.531	ng	97
31) Naphthalene	10.702	128	322155	36.992	ng	99
32) Benzoic acid	9.974	122	65853m	42.180	ng	
33) 4-Chloroaniline	10.802	127	55713	17.503	ng	96
34) Hexachlorobutadiene	10.996	225	67828	38.712	ng	96
35) Caprolactam	11.566	113	39547m	46.605	ng	
36) 4-Chloro-3-methylphenol	11.930	107	121632	41.905	ng	98
37) 2-Methylnaphthalene	12.312	142	229982	37.407	ng	98
38) 1-Methylnaphthalene	12.530	142	223407	37.090	ng	100
40) 1,2,4,5-Tetrachloroben...	12.682	216	132377	39.424	ng	96
41) Hexachlorocyclopentadiene	12.665	237	134524	142.345	ng	98
43) 2,4,6-Trichlorophenol	12.917	196	81593	41.230	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064061.D
Acq On : 7 Mar 2025 16:19
Operator : RC/JU
Sample : PB167027BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 17:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	93603	42.568	ng		99
46) 1,1'-Biphenyl	13.323	154	358704	40.368	ng		97
47) 2-Chloronaphthalene	13.364	162	241031	37.192	ng		97
48) 2-Nitroaniline	13.558	65	89341	42.583	ng		89
49) Acenaphthylene	14.210	152	407385	39.742	ng		99
50) Dimethylphthalate	13.951	163	330759	38.097	ng		99
51) 2,6-Dinitrotoluene	14.063	165	66930	38.699	ng		99
52) Acenaphthene	14.551	154	255264	37.106	ng		98
53) 3-Nitroaniline	14.380	138	38045	22.673	ng		95
54) 2,4-Dinitrophenol	14.592	184	63607	85.963	ng		87
55) Dibenzofuran	14.892	168	400242	35.914	ng		99
56) 4-Nitrophenol	14.698	139	127240	90.416	ng		93
57) 2,4-Dinitrotoluene	14.850	165	99044	41.304	ng	#	97
58) Fluorene	15.538	166	326324	37.595	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.115	232	91312	42.595	ng		97
60) Diethylphthalate	15.315	149	353540	37.510	ng		99
61) 4-Chlorophenyl-phenyle...	15.532	204	158955	36.852	ng		93
62) 4-Nitroaniline	15.550	138	70860	39.114	ng		94
63) Azobenzene	15.826	77	367923	36.582	ng		99
65) 4,6-Dinitro-2-methylph...	15.608	198	45348	42.105	ng		94
66) n-Nitrosodiphenylamine	15.749	169	295503	40.670	ng		100
67) 4-Bromophenyl-phenylether	16.425	248	106146	40.376	ng		99
68) Hexachlorobenzene	16.537	284	119277	40.526	ng		99
69) Atrazine	16.695	200	129393	60.525	ng		96
70) Pentachlorophenol	16.883	266	151745	83.037	ng		96
71) Phenanthrene	17.271	178	548919	40.093	ng		99
72) Anthracene	17.365	178	559114	41.069	ng		97
73) Carbazole	17.630	167	511373	40.231	ng		99
74) Di-n-butylphthalate	18.205	149	616679	41.217	ng		99
75) Fluoranthene	19.281	202	636646	38.571	ng		98
77) Benzidine	19.463	184	192016	52.503	ng		99
78) Pyrene	19.645	202	676122	39.713	ng		99
80) Butylbenzylphthalate	20.550	149	261414	41.455	ng		97
81) Benzo(a)anthracene	21.443	228	680233	40.207	ng		99
82) 3,3'-Dichlorobenzidine	21.366	252	145661	26.603	ng		95
83) Chrysene	21.507	228	657283	38.953	ng		99
84) Bis(2-ethylhexyl)phtha...	21.384	149	402756	44.018	ng		99
85) Di-n-octyl phthalate	22.530	149	684476	43.371	ng		98
87) Indeno(1,2,3-cd)pyrene	27.882	276	790393	42.083	ng		99
88) Benzo(b)fluoranthene	23.534	252	663953	39.125	ng		98
89) Benzo(k)fluoranthene	23.599	252	674074	39.594	ng		99
90) Benzo(a)pyrene	24.339	252	628853	41.609	ng		96
91) Dibenzo(a,h)anthracene	27.947	278	655992	42.130	ng		98
92) Benzo(g,h,i)perylene	28.946	276	610652	38.197	ng		96

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

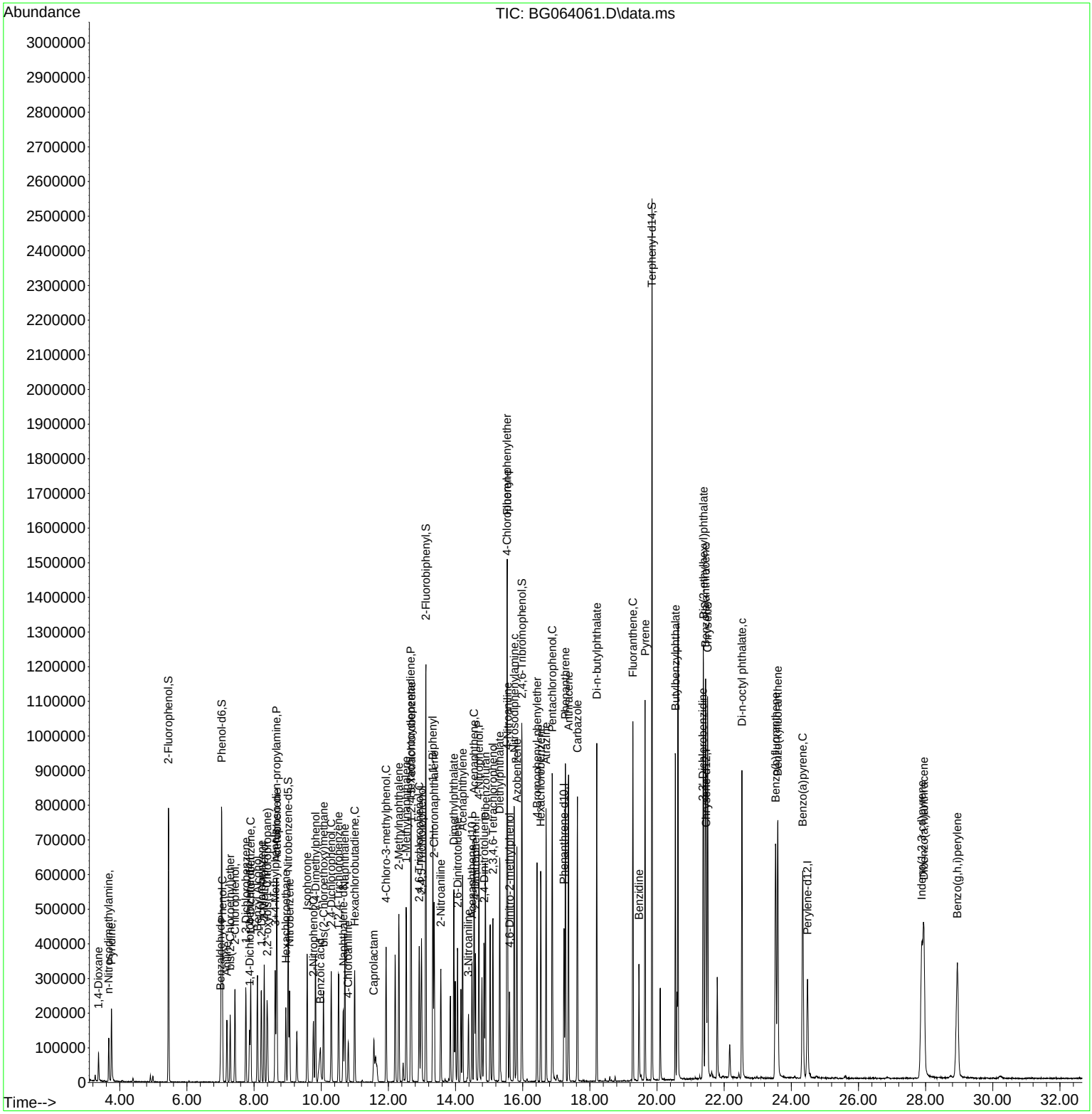
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064061.D
Acq On : 7 Mar 2025 16:19
Operator : RC/JU
Sample : PB167027BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 17:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064066.D
Acq On : 7 Mar 2025 19:42
Operator : RC/JU
Sample : Q1514-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 07 22:57:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.867	152	33566	20.000	ng		0.00
21) Naphthalene-d8	10.652	136	156638	20.000	ng		0.00
39) Acenaphthene-d10	14.488	164	110984	20.000	ng		0.00
64) Phenanthrene-d10	17.232	188	250922	20.000	ng		0.00
76) Chrysene-d12	21.462	240	258735	20.000	ng		0.00
86) Perylene-d12	24.477	264	281256	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.452	112	206469	96.047	ng		0.00
7) Phenol-d6	7.032	99	276848	94.669	ng		0.00
23) Nitrobenzene-d5	9.012	82	173112	61.074	ng		0.00
42) 2,4,6-Tribromophenol	15.975	330	122716	99.473	ng		0.00
45) 2-Fluorobiphenyl	13.113	172	415113	56.773	ng		0.00
79) Terphenyl-d14	19.853	244	706569	55.218	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.366	88	40768	41.846	ng		93
3) Pyridine	3.754	79	98855	41.722	ng		97
4) n-Nitrosodimethylamine	3.672	42	81254	47.999	ng		95
6) Aniline	7.191	93	72249	25.177	ng		98
8) 2-Chlorophenol	7.432	128	102595	44.437	ng		98
9) Benzaldehyde	7.003	77	34444	20.252	ng		91
10) Phenol	7.056	94	144263	48.182	ng		99
11) bis(2-Chloroethyl)ether	7.291	93	93270	39.734	ng		98
12) 1,3-Dichlorobenzene	7.755	146	102943	40.603	ng		97
13) 1,4-Dichlorobenzene	7.902	146	103840	39.958	ng		99
14) 1,2-Dichlorobenzene	8.213	146	102804	41.025	ng		98
15) Benzyl Alcohol	8.096	79	107085	47.386	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.390	45	226458	42.905	ng		99
17) 2-Methylphenol	8.301	107	94963	47.788	ng		98
18) Hexachloroethane	8.942	117	40682	44.744	ng		98
19) n-Nitroso-di-n-propyla...	8.666	70	86490	42.142	ng		99
20) 3+4-Methylphenols	8.625	107	129042	47.169	ng		96
22) Acetophenone	8.677	105	188992	44.006	ng		97
24) Nitrobenzene	9.053	77	124896	42.637	ng		99
25) Isophorone	9.582	82	243737	42.962	ng		96
26) 2-Nitrophenol	9.764	139	45272	45.328	ng	#	94
27) 2,4-Dimethylphenol	9.829	122	99924	58.752	ng		94
28) bis(2-Chloroethoxy)met...	10.064	93	142280	41.365	ng		94
29) 2,4-Dichlorophenol	10.299	162	99803	46.472	ng		97
30) 1,2,4-Trichlorobenzene	10.516	180	103202	39.808	ng		98
31) Naphthalene	10.704	128	339336	40.175	ng		98
32) Benzoic acid	9.982	122	68153m	44.427	ng		
33) 4-Chloroaniline	10.804	127	32553	10.545	ng		96
34) Hexachlorobutadiene	10.992	225	69808	41.081	ng		94
35) Caprolactam	11.568	113	40944m	49.751	ng		
36) 4-Chloro-3-methylphenol	11.932	107	127938	45.447	ng		99
37) 2-Methylnaphthalene	12.308	142	237269	39.792	ng		98
38) 1-Methylnaphthalene	12.532	142	238794	40.877	ng		97
40) 1,2,4,5-Tetrachloroben...	12.679	216	140623	44.381	ng		97
41) Hexachlorocyclopentadiene	12.667	237	150670	168.953	ng		98
43) 2,4,6-Trichlorophenol	12.920	196	88001	47.124	ng		94

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064066.D
Acq On : 7 Mar 2025 19:42
Operator : RC/JU
Sample : Q1514-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 07 22:57:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.984	196	96973	46.735	ng		98
46) 1,1'-Biphenyl	13.325	154	378352	45.123	ng		98
47) 2-Chloronaphthalene	13.360	162	254994	41.697	ng		98
48) 2-Nitroaniline	13.560	65	87730	44.009	ng		97
49) Acenaphthylene	14.212	152	423207	43.752	ng		99
50) Dimethylphthalate	13.954	163	339425	41.431	ng		98
51) 2,6-Dinitrotoluene	14.059	165	69089	42.018	ng	#	88
52) Acenaphthene	14.553	154	266856	41.108	ng		99
53) 3-Nitroaniline	14.388	138	30201	19.074	ng		92
54) 2,4-Dinitrophenol	14.594	184	65137	92.618	ng	#	83
55) Dibenzofuran	14.888	168	419223	39.864	ng		100
56) 4-Nitrophenol	14.700	139	135237	101.839	ng		93
57) 2,4-Dinitrotoluene	14.847	165	102071	44.773	ng	#	92
58) Fluorene	15.534	166	344428	42.051	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.111	232	93019	45.984	ng		97
60) Diethylphthalate	15.317	149	365567	41.103	ng		99
61) 4-Chlorophenyl-phenyle...	15.534	204	168550	41.410	ng		93
62) 4-Nitroaniline	15.552	138	74889	43.808	ng		93
63) Azobenzene	15.822	77	412893	43.506	ng		98
65) 4,6-Dinitro-2-methylph...	15.610	198	50174	46.578	ng		90
66) n-Nitrosodiphenylamine	15.746	169	304696	42.899	ng		97
67) 4-Bromophenyl-phenylether	16.427	248	111198	43.269	ng		97
68) Hexachlorobenzene	16.539	284	120255	41.797	ng		97
69) Atrazine	16.697	200	134559	64.388	ng		97
70) Pentachlorophenol	16.880	266	165854	92.844	ng		98
71) Phenanthrene	17.273	178	572145	42.750	ng		99
72) Anthracene	17.361	178	584769	43.941	ng		99
73) Carbazole	17.632	167	523997	42.172	ng		99
74) Di-n-butylphthalate	18.202	149	646327	44.191	ng		100
75) Fluoranthene	19.283	202	675973	41.895	ng		99
77) Benzidine	19.465	184	256098	71.481	ng		99
78) Pyrene	19.641	202	709058	42.513	ng		99
80) Butylbenzylphthalate	20.546	149	284887	45.708	ng		99
81) Benzo(a)anthracene	21.445	228	714459	43.108	ng		98
82) 3,3'-Dichlorobenzidine	21.368	252	106430	19.842	ng		97
83) Chrysene	21.509	228	681295	41.215	ng		99
84) Bis(2-ethylhexyl)phtha...	21.380	149	433115	48.320	ng		99
85) Di-n-octyl phthalate	22.532	149	735976	47.604	ng		100
87) Indeno(1,2,3-cd)pyrene	27.884	276	838700	44.568	ng		99
88) Benzo(b)fluoranthene	23.531	252	709715	41.741	ng		98
89) Benzo(k)fluoranthene	23.595	252	694033	40.688	ng		99
90) Benzo(a)pyrene	24.341	252	672829	44.433	ng		97
91) Dibenzo(a,h)anthracene	27.949	278	689445	44.192	ng		99
92) Benzo(g,h,i)perylene	28.948	276	652760	40.752	ng		98

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

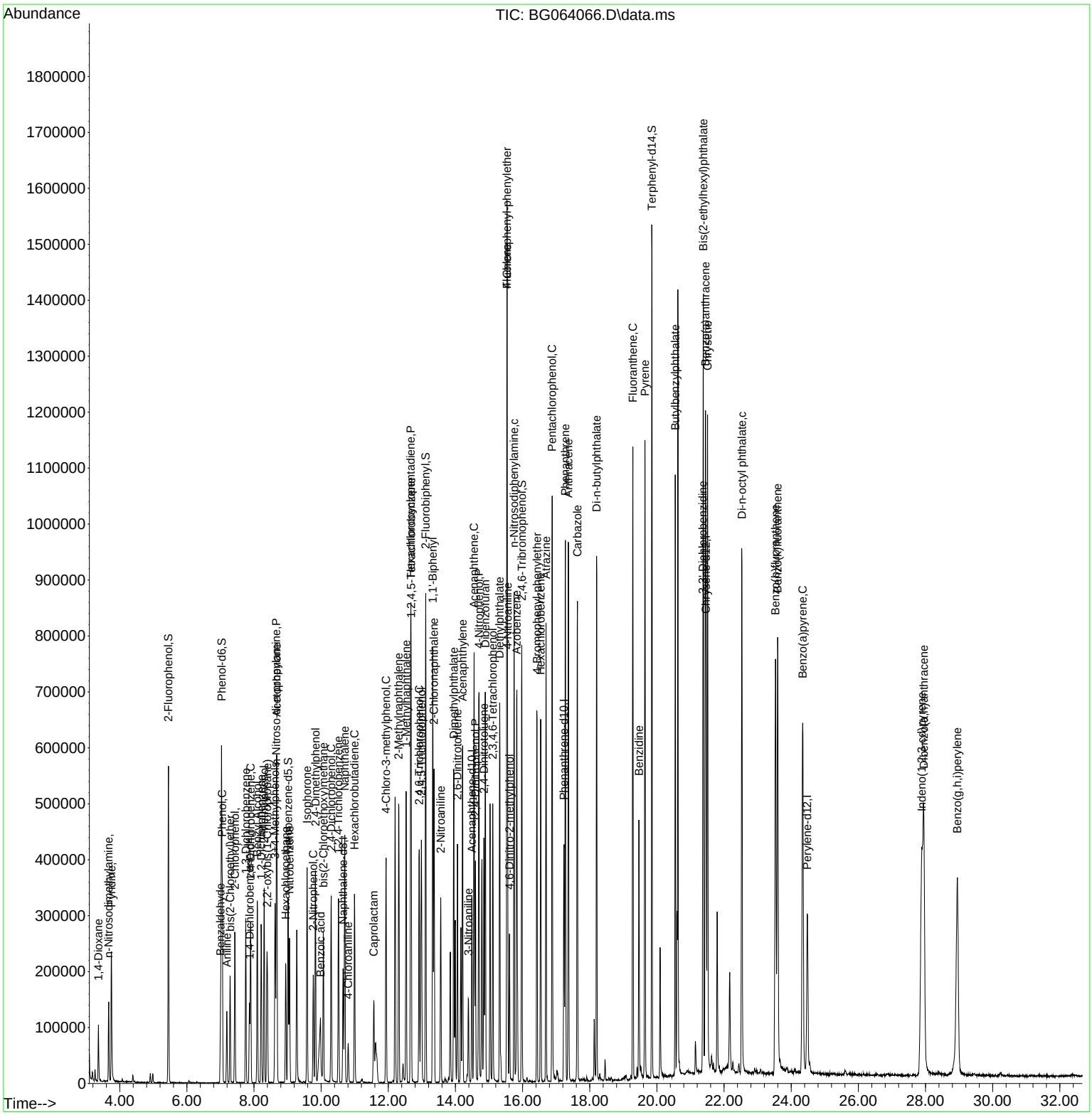
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064066.D
Acq On : 7 Mar 2025 19:42
Operator : RC/JU
Sample : Q1514-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 07 22:57:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064067.D
Acq On : 7 Mar 2025 20:22
Operator : RC/JU
Sample : Q1514-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 07 22:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.864	152	34411	20.000	ng		# 0.00
21) Naphthalene-d8	10.649	136	153312	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	112515	20.000	ng		0.00
64) Phenanthrene-d10	17.230	188	255500	20.000	ng		0.00
76) Chrysene-d12	21.466	240	257819	20.000	ng		0.00
86) Perylene-d12	24.480	264	278096	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.449	112	201238	91.314	ng		0.00
7) Phenol-d6	7.030	99	272596	90.926	ng		0.00
23) Nitrobenzene-d5	9.016	82	173515	62.544	ng		0.00
42) 2,4,6-Tribromophenol	15.978	330	127687	102.094	ng		0.00
45) 2-Fluorobiphenyl	13.111	172	418318	56.433	ng		0.00
79) Terphenyl-d14	19.850	244	712984	55.917	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.364	88	40262	40.312	ng		94
3) Pyridine	3.751	79	95917	39.488	ng		97
4) n-Nitrosodimethylamine	3.669	42	78998	45.520	ng		93
6) Aniline	7.189	93	72408	24.613	ng		98
8) 2-Chlorophenol	7.430	128	102971	43.505	ng		99
9) Benzaldehyde	7.001	77	35156	20.163	ng		98
10) Phenol	7.053	94	138389	45.085	ng		96
11) bis(2-Chloroethyl)ether	7.289	93	92519	38.446	ng		99
12) 1,3-Dichlorobenzene	7.753	146	98477	37.888	ng		96
13) 1,4-Dichlorobenzene	7.900	146	101185	37.981	ng		93
14) 1,2-Dichlorobenzene	8.217	146	100188	39.000	ng		96
15) Benzyl Alcohol	8.099	79	103403	44.633	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.387	45	219491	40.564	ng		98
17) 2-Methylphenol	8.305	107	93302	45.799	ng		97
18) Hexachloroethane	8.945	117	40053	42.970	ng		95
19) n-Nitroso-di-n-propyla...	8.663	70	87269	41.477	ng		99
20) 3+4-Methylphenols	8.628	107	128180	45.704	ng		93
22) Acetophenone	8.681	105	183133	43.567	ng	#	98
24) Nitrobenzene	9.057	77	125094	43.631	ng		99
25) Isophorone	9.580	82	241168	43.431	ng		97
26) 2-Nitrophenol	9.768	139	47450	47.899	ng		94
27) 2,4-Dimethylphenol	9.827	122	95972	57.653	ng		92
28) bis(2-Chloroethoxy)met...	10.068	93	139576	41.460	ng	#	97
29) 2,4-Dichlorophenol	10.297	162	100242	47.689	ng		95
30) 1,2,4-Trichlorobenzene	10.514	180	104985	41.374	ng		96
31) Naphthalene	10.702	128	334948	40.516	ng		99
32) Benzoic acid	9.974	122	74121m	48.400	ng		
33) 4-Chloroaniline	10.802	127	35030	11.593	ng		96
34) Hexachlorobutadiene	10.996	225	68725	41.321	ng		98
35) Caprolactam	11.572	113	40909m	50.786	ng		
36) 4-Chloro-3-methylphenol	11.930	107	129850	47.127	ng		96
37) 2-Methylnaphthalene	12.312	142	239353	41.012	ng		99
38) 1-Methylnaphthalene	12.529	142	235268	41.147	ng		100
40) 1,2,4,5-Tetrachloroben...	12.682	216	140504	43.740	ng		98
41) Hexachlorocyclopentadiene	12.665	237	145176	160.578	ng		99
43) 2,4,6-Trichlorophenol	12.917	196	90199	47.644	ng		89

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064067.D
Acq On : 7 Mar 2025 20:22
Operator : RC/JU
Sample : Q1514-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 07 22:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	99847	47.465	ng		97
46) 1,1'-Biphenyl	13.323	154	379286	44.619	ng		99
47) 2-Chloronaphthalene	13.364	162	252080	40.660	ng		98
48) 2-Nitroaniline	13.564	65	93209	45.748	ng		97
49) Acenaphthylene	14.210	152	431162	43.968	ng		99
50) Dimethylphthalate	13.951	163	342782	41.271	ng		98
51) 2,6-Dinitrotoluene	14.057	165	69573	41.759	ng		92
52) Acenaphthene	14.556	154	274782	41.753	ng		98
53) 3-Nitroaniline	14.386	138	33087	20.612	ng		93
54) 2,4-Dinitrophenol	14.592	184	70749	98.667	ng		85
55) Dibenzofuran	14.891	168	425986	39.956	ng		97
56) 4-Nitrophenol	14.697	139	137375	102.041	ng		90
57) 2,4-Dinitrotoluene	14.850	165	106088	45.810	ng		99
58) Fluorene	15.538	166	348722	41.996	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.109	232	96761	47.183	ng		97
60) Diethylphthalate	15.314	149	370839	41.129	ng		99
61) 4-Chlorophenyl-phenyle...	15.532	204	168172	40.755	ng		92
62) 4-Nitroaniline	15.549	138	75161	43.369	ng		96
63) Azobenzene	15.826	77	422978	43.962	ng		98
65) 4,6-Dinitro-2-methylph...	15.608	198	50514	46.146	ng		95
66) n-Nitrosodiphenylamine	15.743	169	308325	42.632	ng		99
67) 4-Bromophenyl-phenylether	16.425	248	113153	43.241	ng		94
68) Hexachlorobenzene	16.537	284	123360	42.108	ng		97
69) Atrazine	16.695	200	135483	63.668	ng		93
70) Pentachlorophenol	16.877	266	167008	91.815	ng		96
71) Phenanthrene	17.271	178	590686	43.344	ng		98
72) Anthracene	17.365	178	591592	43.657	ng		98
73) Carbazole	17.629	167	533785	42.190	ng		99
74) Di-n-butylphthalate	18.205	149	653880	43.906	ng		99
75) Fluoranthene	19.280	202	687578	41.851	ng		99
77) Benzidine	19.462	184	240885	67.474	ng		98
78) Pyrene	19.645	202	716988	43.141	ng		99
80) Butylbenzylphthalate	20.544	149	288496	46.392	ng		99
81) Benzo(a)anthracene	21.442	228	710986	43.051	ng		99
82) 3,3'-Dichlorobenzidine	21.366	252	108561	20.311	ng		99
83) Chrysene	21.507	228	680629	41.321	ng		99
84) Bis(2-ethylhexyl)phtha...	21.384	149	436698	48.893	ng		100
85) Di-n-octyl phthalate	22.529	149	744329	48.315	ng		100
87) Indeno(1,2,3-cd)pyrene	27.888	276	828228	44.512	ng	#	93
88) Benzo(b)fluoranthene	23.534	252	694923	41.335	ng		98
89) Benzo(k)fluoranthene	23.593	252	696746	41.311	ng		99
90) Benzo(a)pyrene	24.339	252	661351	44.171	ng		97
91) Dibenzo(a,h)anthracene	27.947	278	673345	43.651	ng		98
92) Benzo(g,h,i)perylene	28.945	276	639032	40.349	ng		98

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

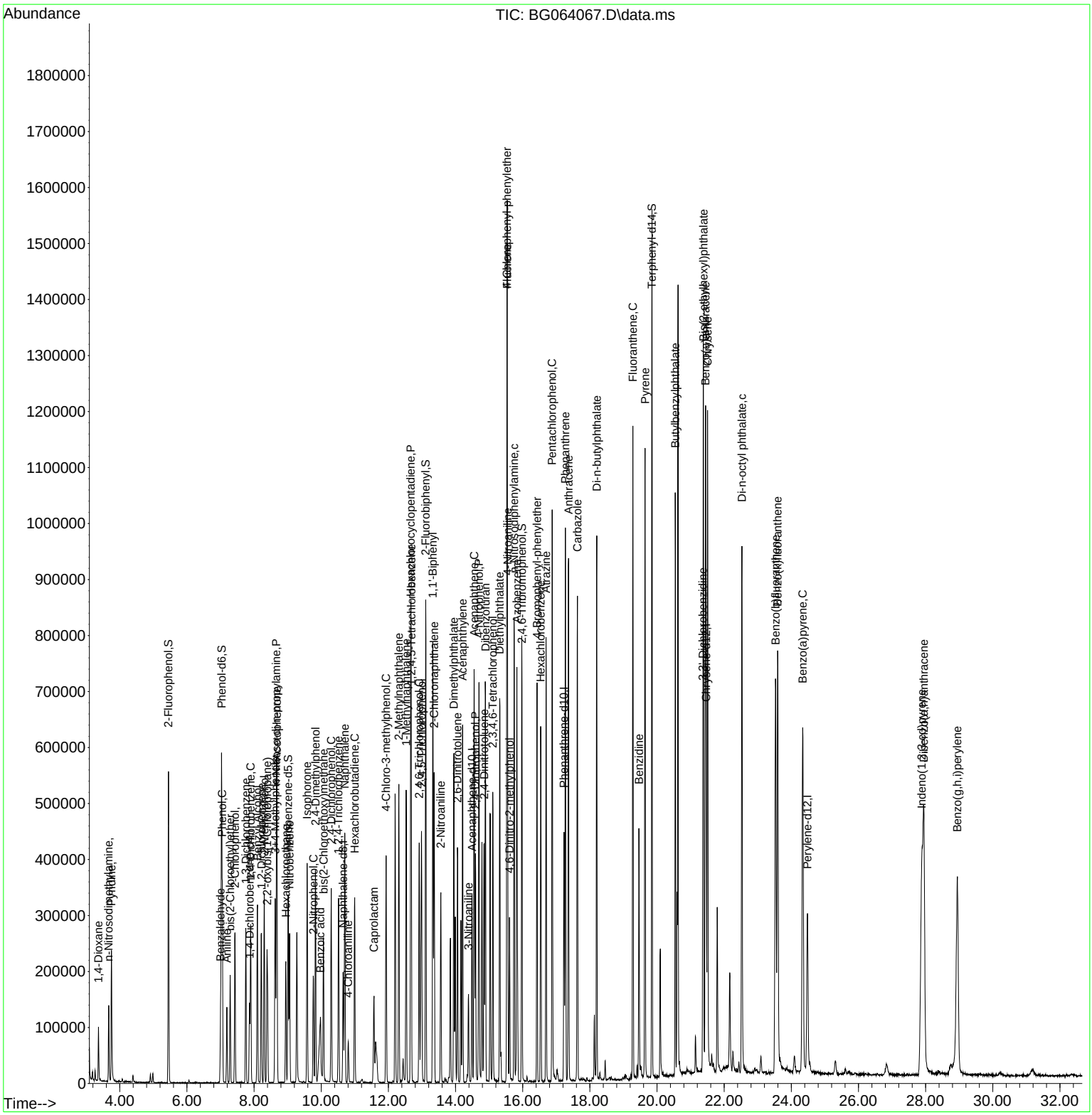
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064067.D
Acq On : 7 Mar 2025 20:22
Operator : RC/JU
Sample : Q1514-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 07 22:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



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Manual Integration Report

Sequence:	BF031025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF141904.D	Caprolactam	anahy	3/11/2025 9:10:54 AM	Jagrut	3/11/2025 10:18:21 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF031125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1514-01	BF141918.D	Anthracene	anahy	3/12/2025 10:34:16 AM	Jagrut	3/12/2025 11:14:22 AM	Peak Integrated by Software
Q1514-01	BF141918.D	Benzo(b)fluoranthene	anahy	3/12/2025 10:34:16 AM	Jagrut	3/12/2025 11:14:22 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064046.D	1,2-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	1,4-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	2,4,6-Trichlorophenol	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Acenaphthene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Benzidine	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Acenaphthene	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzaldehyde	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzidine	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzoic acid	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Acenaphthene	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzaldehyde	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzoic acid	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICCC040	BG064049.D	Acenaphthene	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BG064049.D	Benzoic acid	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Acenaphthene	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Benzoic acid	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC060	BG064051.D	Benzoic acid	Jagrut	3/6/2025 5:46:32 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC080	BG064052.D	Benzoic acid	Jagrut	3/6/2025 5:46:36 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Acenaphthene	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzaldehyde	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzoic acid	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG030725	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064056.D	Acenaphthene	anahy	3/10/2025 10:31:51 AM	Jagrut	3/10/2025 5:40:29 PM	Peak Integrated by Software
SSTDCCC040	BG064056.D	Benzoic acid	anahy	3/10/2025 10:31:51 AM	Jagrut	3/10/2025 5:40:29 PM	Peak Integrated by Software
PB167031BS	BG064058.D	Benzoic acid	anahy	3/10/2025 10:34:59 AM	Jagrut	3/10/2025 5:40:33 PM	Peak Integrated by Software
PB167031BS	BG064058.D	Caprolactam	anahy	3/10/2025 10:34:59 AM	Jagrut	3/10/2025 5:40:33 PM	Peak Integrated by Software
PB167027BS	BG064060.D	2,3,4,6-Tetrachlorophenol	anahy	3/10/2025 10:38:13 AM	Jagrut	3/10/2025 5:40:48 PM	Peak Integrated by Software
PB167027BS	BG064060.D	Benzoic acid	anahy	3/10/2025 10:38:13 AM	Jagrut	3/10/2025 5:40:48 PM	Peak Integrated by Software
PB167027BS	BG064060.D	Caprolactam	anahy	3/10/2025 10:38:13 AM	Jagrut	3/10/2025 5:40:48 PM	Peak Integrated by Software
PB167027BSD	BG064061.D	Benzaldehyde	anahy	3/10/2025 10:39:22 AM	Jagrut	3/10/2025 5:41:03 PM	Peak Integrated by Software
PB167027BSD	BG064061.D	Benzoic acid	anahy	3/10/2025 10:39:22 AM	Jagrut	3/10/2025 5:41:03 PM	Peak Integrated by Software
PB167027BSD	BG064061.D	Caprolactam	anahy	3/10/2025 10:39:22 AM	Jagrut	3/10/2025 5:41:03 PM	Peak Integrated by Software
Q1514-03MS	BG064066.D	Benzoic acid	anahy	3/10/2025 10:41:42 AM	Jagrut	3/10/2025 5:40:51 PM	Peak Integrated by Software
Q1514-03MS	BG064066.D	Caprolactam	anahy	3/10/2025 10:41:42 AM	Jagrut	3/10/2025 5:40:51 PM	Peak Integrated by Software
Q1514-03MSD	BG064067.D	Benzoic acid	anahy	3/10/2025 10:42:28 AM	Jagrut	3/10/2025 5:40:54 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG030725	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1514-03MSD	BG064067.D	Caprolactam	anahy	3/10/2025 10:42:28 AM	Jagrut	3/10/2025 5:40:54 PM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM				
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM				
SubDirectory	BF031025	HP Acquire Method	BNA_F		HP Processing Method	bf031025	

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141896.D	10 Mar 2025 10:31	RC/JU	Ok
2	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01	RC/JU	Ok
3	SSTDICC005	BF141898.D	10 Mar 2025 11:30	RC/JU	Ok
4	SSTDICC010	BF141899.D	10 Mar 2025 12:00	RC/JU	Ok
5	SSTDICC020	BF141900.D	10 Mar 2025 12:29	RC/JU	Ok
6	SSTDICCC040	BF141901.D	10 Mar 2025 12:58	RC/JU	Ok
7	SSTDICC050	BF141902.D	10 Mar 2025 13:28	RC/JU	Not Ok
8	SSTDICC060	BF141903.D	10 Mar 2025 13:57	RC/JU	Ok
9	SSTDICC080	BF141904.D	10 Mar 2025 14:27	RC/JU	Ok,M
10	SSTDICC050	BF141905.D	10 Mar 2025 15:20	RC/JU	Ok
11	SSTDICV040	BF141906.D	10 Mar 2025 15:53	RC/JU	Ok
12	PB167012BL	BF141907.D	10 Mar 2025 17:09	RC/JU	Ok
13	SP6752	BF141908.D	10 Mar 2025 17:39	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031125

Review By	anahy	Review On	3/12/2025 10:51:52 AM		
Supervise By	Jagrut	Supervise On	3/12/2025 11:14:52 AM		
SubDirectory	BF031125	HP Acquire Method	BNA_F	HP Processing Method	bf031025

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141909.D	11 Mar 2025 10:52	RC/JU	Ok
2	SSTDCCC040	BF141910.D	11 Mar 2025 11:51	RC/JU	Ok
3	PB167045BL	BF141911.D	11 Mar 2025 12:21	RC/JU	Ok
4	PB167012BS	BF141912.D	11 Mar 2025 12:51	RC/JU	Ok,M
5	PB167078BL	BF141913.D	11 Mar 2025 13:20	RC/JU	Ok
6	PB167078BS	BF141914.D	11 Mar 2025 13:50	RC/JU	Ok,M
7	Q1514-05	BF141915.D	11 Mar 2025 14:26	RC/JU	Ok
8	Q1507-01	BF141916.D	11 Mar 2025 14:56	RC/JU	Dilution
9	Q1508-01	BF141917.D	11 Mar 2025 15:26	RC/JU	Ok,M
10	Q1514-01	BF141918.D	11 Mar 2025 16:12	RC/JU	Ok,M
11	Q1534-06	BF141919.D	11 Mar 2025 16:42	RC/JU	Ok
12	Q1534-12	BF141920.D	11 Mar 2025 17:12	RC/JU	Ok
13	Q1534-18	BF141921.D	11 Mar 2025 17:42	RC/JU	Ok
14	Q1534-24	BF141922.D	11 Mar 2025 18:12	RC/JU	Ok,M
15	Q1534-03	BF141923.D	11 Mar 2025 18:42	RC/JU	Not Ok
16	Q1515-01	BF141924.D	11 Mar 2025 19:12	RC/JU	Ok,M
17	Q1534-07	BF141925.D	11 Mar 2025 19:42	RC/JU	Not Ok
18	Q1534-01	BF141926.D	11 Mar 2025 20:12	RC/JU	Ok,M
19	Q1507-01DL	BF141927.D	11 Mar 2025 20:42	RC/JU	Not Ok
20	Q1535-01	BF141928.D	11 Mar 2025 21:12	RC/JU	Ok,M
21	Q1494-03	BF141929.D	11 Mar 2025 21:42	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM		
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM		
SubDirectory	BG030525	HP Acquire Method	BNA_G	HP Processing Method	bg030525

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064044.D	5 Mar 2025 8:15	RC/JU	Ok
2	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02	RC/JU	Ok
3	SSTDICC005	BG064046.D	5 Mar 2025 9:42	RC/JU	Ok,M
4	SSTDICC010	BG064047.D	5 Mar 2025 10:22	RC/JU	Ok,M
5	SSTDICC020	BG064048.D	5 Mar 2025 11:03	RC/JU	Ok,M
6	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	RC/JU	Ok,M
7	SSTDICC050	BG064050.D	5 Mar 2025 12:23	RC/JU	Ok,M
8	SSTDICC060	BG064051.D	5 Mar 2025 13:04	RC/JU	Ok,M
9	SSTDICC080	BG064052.D	5 Mar 2025 13:44	RC/JU	Ok,M
10	SSTDICV040	BG064053.D	5 Mar 2025 15:10	RC/JU	Ok,M
11	PB166970BL	BG064054.D	5 Mar 2025 15:50	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030725

Review By	anahy	Review On	3/10/2025 10:42:50 AM		
Supervise By	Jagrut	Supervise On	3/10/2025 5:41:17 PM		
SubDirectory	BG030725	HP Acquire Method	BNA_G	HP Processing Method	bg030525

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064055.D	7 Mar 2025 12:15	RC/JU	Ok
2	SSTDCCC040	BG064056.D	7 Mar 2025 12:56	RC/JU	Ok,M
3	PB167031BL	BG064057.D	7 Mar 2025 13:37	RC/JU	Ok
4	PB167031BS	BG064058.D	7 Mar 2025 14:18	RC/JU	Ok,M
5	PB167027BL	BG064059.D	7 Mar 2025 14:58	RC/JU	Ok
6	PB167027BS	BG064060.D	7 Mar 2025 15:39	RC/JU	Ok,M
7	PB167027BSD	BG064061.D	7 Mar 2025 16:19	RC/JU	Ok,M
8	Q1494-01	BG064062.D	7 Mar 2025 17:00	RC/JU	Ok
9	Q1514-07	BG064063.D	7 Mar 2025 17:40	RC/JU	Ok
10	Q1514-09	BG064064.D	7 Mar 2025 18:21	RC/JU	Ok
11	Q1514-03	BG064065.D	7 Mar 2025 19:01	RC/JU	Ok
12	Q1514-03MS	BG064066.D	7 Mar 2025 19:42	RC/JU	Ok,M
13	Q1514-03MSD	BG064067.D	7 Mar 2025 20:22	RC/JU	Ok,M
14	Q1514-08	BG064068.D	7 Mar 2025 21:03	RC/JU	Ok
15	Q1494-04	BG064069.D	7 Mar 2025 21:43	RC/JU	Ok
16	Q1494-06	BG064070.D	7 Mar 2025 22:24	RC/JU	Ok
17	Q1494-08	BG064071.D	7 Mar 2025 23:05	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM		
SubDirectory	BF031025	HP Acquire Method	BNA_F	HP Processing Method	bf031025

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141896.D	10 Mar 2025 10:31		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141898.D	10 Mar 2025 11:30	Compound#9,32,54,65 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141899.D	10 Mar 2025 12:00		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF141900.D	10 Mar 2025 12:29	Compound #54 Kept on LR, Method is good for DOD . Method failed for compound #77.	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF141901.D	10 Mar 2025 12:58		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141902.D	10 Mar 2025 13:28	Not used	RC/JU	Not Ok
8	SSTDICC060	SSTDICC060	BF141903.D	10 Mar 2025 13:57	Compound#69 Removed from 60 ppm	RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141904.D	10 Mar 2025 14:27	Compound#9,69 Removed from 80 ppm	RC/JU	Ok,M
10	SSTDICC050	SSTDICC050	BF141905.D	10 Mar 2025 15:20		RC/JU	Ok
11	SSTDICV040	ICVBF031025	BF141906.D	10 Mar 2025 15:53		RC/JU	Ok
12	PB167012BL	PB167012BL	BF141907.D	10 Mar 2025 17:09		RC/JU	Ok
13	SP6752	SP6752	BF141908.D	10 Mar 2025 17:39	8270 SPIKE-SP6752	RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031125

Review By	anahy	Review On	3/12/2025 10:51:52 AM		
Supervise By	Jagrut	Supervise On	3/12/2025 11:14:52 AM		
SubDirectory	BF031125	HP Acquire Method	BNA_F	HP Processing Method	bf031025

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141909.D	11 Mar 2025 10:52		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141910.D	11 Mar 2025 11:51	CCC fail high side for com. #77	RC/JU	Ok
3	PB167045BL	PB167045BL	BF141911.D	11 Mar 2025 12:21		RC/JU	Ok
4	PB167012BS	PB167012BS	BF141912.D	11 Mar 2025 12:51		RC/JU	Ok,M
5	PB167078BL	PB167078BL	BF141913.D	11 Mar 2025 13:20		RC/JU	Ok
6	PB167078BS	PB167078BS	BF141914.D	11 Mar 2025 13:50		RC/JU	Ok,M
7	Q1514-05	ENV-103-SB01	BF141915.D	11 Mar 2025 14:26		RC/JU	Ok
8	Q1507-01	50-MIDDLESEX-AVE	BF141916.D	11 Mar 2025 14:56	Need 5X Dilution	RC/JU	Dilution
9	Q1508-01	RBR251372	BF141917.D	11 Mar 2025 15:26	Internal standard failed.	RC/JU	Ok,M
10	Q1514-01	ENV-105-SB01	BF141918.D	11 Mar 2025 16:12		RC/JU	Ok,M
11	Q1534-06	OR-363-COMP-16	BF141919.D	11 Mar 2025 16:42		RC/JU	Ok
12	Q1534-12	OR-363-COMP-17	BF141920.D	11 Mar 2025 17:12		RC/JU	Ok
13	Q1534-18	OR-363-COMP-18	BF141921.D	11 Mar 2025 17:42		RC/JU	Ok
14	Q1534-24	OR-363OR-363-COMP	BF141922.D	11 Mar 2025 18:12		RC/JU	Ok,M
15	Q1534-03	OR-363-46	BF141923.D	11 Mar 2025 18:42	Test is not present on login page	RC/JU	Not Ok
16	Q1515-01	AU-06-030625	BF141924.D	11 Mar 2025 19:12		RC/JU	Ok,M
17	Q1534-07	OR-363-COMP-17	BF141925.D	11 Mar 2025 19:42	Need Straight Run	RC/JU	Not Ok
18	Q1534-01	OR-363-COMP-16	BF141926.D	11 Mar 2025 20:12	Internal Standard Fail	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031125

Review By	anahy	Review On	3/12/2025 10:51:52 AM		
Supervise By	Jagrut	Supervise On	3/12/2025 11:14:52 AM		
SubDirectory	BF031125	HP Acquire Method	BNA_F	HP Processing Method	bf031025

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

19	Q1507-01DL	50-MIDDLESEX-AVEDI	BF141927.D	11 Mar 2025 20:42	Internal Standard Fail	RC/JU	Not Ok
20	Q1535-01	SU-03-03102025	BF141928.D	11 Mar 2025 21:12	Internal Standard Fail	RC/JU	Ok,M
21	Q1494-03	ASPHALT-SOIL	BF141929.D	11 Mar 2025 21:42	Internal Standard Fail	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM		
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM		
SubDirectory	BG030525	HP Acquire Method	BNA_G	HP Processing Method	bg030525

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064044.D	5 Mar 2025 8:15		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064046.D	5 Mar 2025 9:42	Compound#32,54,56,65,70,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064047.D	5 Mar 2025 10:22		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064048.D	5 Mar 2025 11:03	Compound#32,51,54,57,65,80 Kept on LR & Compound#26,48 Kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	Calibration is good for 8270 E and 8270 DOD. Benzidine failed in the Calibration.	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064050.D	5 Mar 2025 12:23		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064051.D	5 Mar 2025 13:04	Compound#69 removed from 60 ppm	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064052.D	5 Mar 2025 13:44	Compound#9,69 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBG030525	BG064053.D	5 Mar 2025 15:10		RC/JU	Ok,M
11	PB166970BL	PB166970BL	BG064054.D	5 Mar 2025 15:50		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030725

Review By	anahy	Review On	3/10/2025 10:42:50 AM		
Supervise By	Jagrut	Supervise On	3/10/2025 5:41:17 PM		
SubDirectory	BG030725	HP Acquire Method	BNA_G	HP Processing Method	bg030525

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064055.D	7 Mar 2025 12:15		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064056.D	7 Mar 2025 12:56		RC/JU	Ok,M
3	PB167031BL	PB167031BL	BG064057.D	7 Mar 2025 13:37		RC/JU	Ok
4	PB167031BS	PB167031BS	BG064058.D	7 Mar 2025 14:18		RC/JU	Ok,M
5	PB167027BL	PB167027BL	BG064059.D	7 Mar 2025 14:58		RC/JU	Ok
6	PB167027BS	PB167027BS	BG064060.D	7 Mar 2025 15:39		RC/JU	Ok,M
7	PB167027BSD	PB167027BSD	BG064061.D	7 Mar 2025 16:19		RC/JU	Ok,M
8	Q1494-01	PURGE-WATER	BG064062.D	7 Mar 2025 17:00		RC/JU	Ok
9	Q1514-07	ENV-105-GW01	BG064063.D	7 Mar 2025 17:40		RC/JU	Ok
10	Q1514-09	FB03062025	BG064064.D	7 Mar 2025 18:21		RC/JU	Ok
11	Q1514-03	ENV-105-SB02	BG064065.D	7 Mar 2025 19:01		RC/JU	Ok
12	Q1514-03MS	ENV-105-SB02MS	BG064066.D	7 Mar 2025 19:42		RC/JU	Ok,M
13	Q1514-03MSD	ENV-105-SB02MSD	BG064067.D	7 Mar 2025 20:22		RC/JU	Ok,M
14	Q1514-08	ENV-103-GW01	BG064068.D	7 Mar 2025 21:03		RC/JU	Ok
15	Q1494-04	ASPHALT-SOIL	BG064069.D	7 Mar 2025 21:43		RC/JU	Ok
16	Q1494-06	SOIL	BG064070.D	7 Mar 2025 22:24		RC/JU	Ok
17	Q1494-08	SOIL-COMP	BG064071.D	7 Mar 2025 23:05		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167027

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	03/07/2025
Matrix :	Water			**Extraction Start Time :**	08:24
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	03/07/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	13:30
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

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

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

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3878
Baked Na2SO4	N/A	EP2590
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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.
Q1514-09 Limited volume received.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/7/25	RS (EXT-Lab)	RC/SVOC
13:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167027

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 03/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167027BL	SBLK027	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-11
PB167027BS	SLCS027	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			12
PB167027BSD	SLCSD027	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			13
Q1494-01	PURGE-WATER	SVOC-TCL BNA -20	960	6	RUPESH	ritesh	1	M		14
Q1514-07	ENV-105-GW01	SVOC-TCL BNA -20	800	6	RUPESH	ritesh	1	G		15
Q1514-08	ENV-103-GW01	SVOC-TCL BNA -20	850	6	RUPESH	ritesh	1	G		16
Q1514-09	FB03062025	SVOC-TCL BNA -20	380	6	RUPESH	ritesh	0.5	G		17

RS
3/7

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

Q1514 3/6/25 8:24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1494 **WorkList ID :** 188103 **Department :** Extraction **Date :** 03-07-2025 08:18:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1494-01	PURGE-WATER	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I31	03/05/2025	8270E
Q1514-07	ENV-105-GW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	I31	03/05/2025	8270E
Q1514-08	ENV-103-GW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	I31	03/05/2025	8270E
Q1514-09	FB03062025	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	I31	03/05/2025	8270E

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Date/Time 3/7/25 8:20
Raw Sample Received by: RS (ESLA-Webb)
Raw Sample Relinquished by:

Date/Time 3/7/25 9:05
Raw Sample Received by:
Raw Sample Relinquished by: RS (ESLA-Webb)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167031

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	03/07/2025
Matrix :	Solid			**Extraction Start Time :**	08:55
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	03/07/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:55
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

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

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2591
Baked Na2SO4	N/A	EP2590
Methylene Chloride	N/A	E3878
Sand	N/A	E2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot # 2210673.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/7/25	RS (Ext lab)	RC/SVOC
12:00	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167031

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167031BL	SBLK031	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U2-1
PB167031BS	SLCS031	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
Q1507-01	50-MIDDLESEX-AVE	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		3
Q1508-01	RBR251372	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		4
Q1514-01	ENV-105-SB01	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		5
Q1514-03	ENV-105-SB02	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		6
Q1514-03MS	ENV-105-SB02MS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U3-1
Q1514-03MSD	ENV-105-SB02MSD	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		2
Q1514-05	ENV-103-SB01	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
Q1515-01	AU-06-030625	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		4
Q1518-01	OILY-DEBRIS-COMP	SVOC-PAH	50.03	N/A	ritesh	Evelyn	1	E		5

RS
3/7

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

Q1514 Q1507 8-JF

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1508 **WorkList ID :** 188104 **Department :** Extraction **Date :** 03-07-2025 08:19:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1507-01	50-MIDDLESEX-AVE	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I21	03/06/2025	8270E
Q1508-01	RBR251372	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I21	03/06/2025	8270E
Q1514-01	ENV-105-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	I31	03/05/2025	8270E
Q1514-03	ENV-105-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	I31	03/05/2025	8270E
Q1514-05	ENV-103-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	I31	03/05/2025	8270E
Q1515-01	AU-06-030625	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	I21	03/06/2025	8270E
Q1518-01	OILY-DEBRIS-COMP	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	I21	03/06/2025	8270E

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Date/Time 3/7/25 8:50
Raw Sample Received by: RJ (EXT lock)
Raw Sample Relinquished by:

Date/Time 3/7/25 9:15
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EXT lock)

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LAB CHRONICLE

OrderID:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-01	**ENV-105-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			SVOC-TCL BNA -20	8270E		03/07/25	03/11/25	
Q1514-02	**ENV-105-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1514-03	**ENV-105-SB02**	**SOIL**			**03/05/25**			**03/06/25**
			SVOC-TCL BNA -20	8270E		03/07/25	03/07/25	
Q1514-04	**ENV-105-SB02**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1514-05	**ENV-103-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			SVOC-TCL BNA -20	8270E		03/07/25	03/11/25	
Q1514-06	**ENV-103-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1514-07	**ENV-105-GW01**	**Water**			**03/05/25**			**03/06/25**
			SVOC-TCL BNA -20	8270E		03/07/25	03/07/25	
Q1514-08	**ENV-103-GW01**	**Water**			**03/05/25**			**03/06/25**
			SVOC-TCL BNA -20	8270E		03/07/25	03/07/25	
Q1514-09	**FB03062025**	**Water**			**03/06/25**			**03/06/25**
			SVOC-TCL BNA -20	8270E		03/07/25	03/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1514

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/07/25
Client Sample ID:	PB167020TB	SDG No.:	Q1514
Lab Sample ID:	PB167020TB	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
BG064076.D	1	03/07/25 12:45	03/10/25 11:24	PB167035

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	144		15 (10) - 110 (139)	96%	SPK: 150
13127-88-3	Phenol-d6	139		15 (10) - 110 (134)	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (49) - 130 (133)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.9		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	148		15 (44) - 110 (137)	99%	SPK: 150
1718-51-0	Terphenyl-d14	102		30 (48) - 130 (125)	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	33800	7.864			
1146-65-2	Naphthalene-d8	144000	10.649			
15067-26-2	Acenaphthene-d10	102000	14.486			
1517-22-2	Phenanthrene-d10	232000	17.224			
1719-03-5	Chrysene-d12	232000	21.454			
1520-96-3	Perylene-d12	251000	24.468			

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	03/07/25
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	03/07/25
Client Sample ID:	PB167020TB			SDG No.:	Q1514
Lab Sample ID:	PB167020TB			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
BG064076.D	1	03/07/25 12:45	03/10/25 11:24	PB167035

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-02	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
BG064082.D	1	03/07/25 12:45	03/10/25 15:44	PB167035

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	130		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	110		15 (10) - 110 (134)	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		30 (49) - 130 (133)	106%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.4		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172	*	15 (44) - 110 (137)	114%	SPK: 150
1718-51-0	Terphenyl-d14	107		30 (48) - 130 (125)	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	33100	7.864			
1146-65-2	Naphthalene-d8	135000	10.649			
15067-26-2	Acenaphthene-d10	90800	14.485			
1517-22-2	Phenanthrene-d10	212000	17.223			
1719-03-5	Chrysene-d12	226000	21.454			
1520-96-3	Perylene-d12	238000	24.468			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-02	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
BG064082.D	1	03/07/25 12:45	03/10/25 15:44	PB167035

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-04	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
BG064083.D	1	03/07/25 12:45	03/10/25 16:25	PB167035

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	131		15 (10) - 110 (139)	88%	SPK: 150
13127-88-3	Phenol-d6	115		15 (10) - 110 (134)	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		30 (49) - 130 (133)	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.8		30 (52) - 130 (132)	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		15 (44) - 110 (137)	108%	SPK: 150
1718-51-0	Terphenyl-d14	104		30 (48) - 130 (125)	104%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	33100	7.868			
1146-65-2	Naphthalene-d8	138000	10.653			
15067-26-2	Acenaphthene-d10	92300	14.484			
1517-22-2	Phenanthrene-d10	212000	17.228			
1719-03-5	Chrysene-d12	223000	21.458			
1520-96-3	Perylene-d12	228000	24.472			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-04	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
BG064083.D	1	03/07/25 12:45	03/10/25 16:25	PB167035

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-06	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
BG064084.D	1	03/07/25 12:45	03/10/25 17:05	PB167035

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	135		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	117		15 (10) - 110 (134)	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	105		30 (49) - 130 (133)	105%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.3		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	162		15 (44) - 110 (137)	108%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (48) - 130 (125)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	30900	7.861			
1146-65-2	Naphthalene-d8	126000	10.652			
15067-26-2	Acenaphthene-d10	82500	14.483			
1517-22-2	Phenanthrene-d10	191000	17.226			
1719-03-5	Chrysene-d12	228000	21.457			
1520-96-3	Perylene-d12	219000	24.471			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-06	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
BG064084.D	1	03/07/25 12:45	03/10/25 17:05	PB167035

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.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167020TB	PB167020TB	2-Fluorophenol	150	144	96		15 (10)	110 (139)
		Phenol-d6	150	139	93		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.9	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	148	99		15 (44)	110 (137)
		Terphenyl-d14	100	102	102		30 (48)	130 (125)
PB167035BL	PB167035BL	2-Fluorophenol	150	142	95		15 (10)	110 (139)
		Phenol-d6	150	136	90		15 (10)	110 (134)
		Nitrobenzene-d5	100	97.0	97		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.7	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	150	100		15 (44)	110 (137)
		Terphenyl-d14	100	97.7	98		30 (48)	130 (125)
PB167035BS	PB167035BS	2-Fluorophenol	150	139	92		15 (10)	110 (139)
		Phenol-d6	150	137	91		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.8	97		30 (49)	130 (133)
		2-Fluorobiphenyl	100	92.8	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	154	102		15 (44)	110 (137)
		Terphenyl-d14	100	97.3	97		30 (48)	130 (125)
Q1488-02MS	ENV-101-SB01MS	2-Fluorophenol	150	118	79		15 (10)	110 (139)
		Phenol-d6	150	108	72		15 (10)	110 (134)
		Nitrobenzene-d5	100	110	110		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	182	122	*	15 (44)	110 (137)
		Terphenyl-d14	100	83.1	83		30 (48)	130 (125)
Q1488-02MSD	ENV-101-SB01MSD	2-Fluorophenol	150	122	82		15 (10)	110 (139)
		Phenol-d6	150	110	73		15 (10)	110 (134)
		Nitrobenzene-d5	100	112	112		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	175	116	*	15 (44)	110 (137)
		Terphenyl-d14	100	76.5	76		30 (48)	130 (125)
Q1514-02	ENV-105-SB01	2-Fluorophenol	150	130	87		15 (10)	110 (139)
		Phenol-d6	150	110	73		15 (10)	110 (134)
		Nitrobenzene-d5	100	106	106		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.4	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	172	114	*	15 (44)	110 (137)
		Terphenyl-d14	100	107	107		30 (48)	130 (125)
Q1514-04	ENV-105-SB02	2-Fluorophenol	150	131	88		15 (10)	110 (139)
		Phenol-d6	150	115	76		15 (10)	110 (134)
		Nitrobenzene-d5	100	101	101		30 (49)	130 (133)
		2-Fluorobiphenyl	100	90.8	91		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	161	108		15 (44)	110 (137)
		Terphenyl-d14	100	104	104		30 (48)	130 (125)
Q1514-06	ENV-103-SB01	2-Fluorophenol	150	135	90		15 (10)	110 (139)
		Phenol-d6	150	117	78		15 (10)	110 (134)
		Nitrobenzene-d5	100	105	105		30 (49)	130 (133)
		2-Fluorobiphenyl	100	95.3	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	162	108		15 (44)	110 (137)
		Terphenyl-d14	100	101	101		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

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: Q1488-02MS		**Client Sample ID: ENV-101-SB01MS**						**DataFile: BF141893.D**			
Pyridine	500	0	290	ug/L	58				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	380	ug/L	76				70 (55)	130 (125)	
2-Methylphenol	500	0	400	ug/L	80				70 (60)	130 (131)	
3+4-Methylphenols	500	0	410	ug/L	82				20 (54)	160 (136)	
Hexachloroethane	500	0	370	ug/L	74				20 (19)	160 (146)	
Nitrobenzene	500	0	450	ug/L	90				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	420	ug/L	84				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	470	ug/L	94				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	500	ug/L	100				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	560	ug/L	112				70 (74)	130 (137)	
Hexachlorobenzene	500	0	500	ug/L	100				70 (72)	130 (115)	
Pentachlorophenol	1000	42.1	950	ug/L	91				20 (52)	160 (162)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

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: Q1488-02MSD		**Client Sample ID:** ENV-101-SB01MSD						**DataFile:** BF141894.D			
Pyridine	500	0	310	ug/L	62		7		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	380	ug/L	76		0		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	390	ug/L	78		3		70 (60)	130 (131)	20 (20)
3+4-Methylphenols	500	0	400	ug/L	80		2		20 (54)	160 (136)	20 (20)
Hexachloroethane	500	0	370	ug/L	74		0		20 (19)	160 (146)	20 (20)
Nitrobenzene	500	0	450	ug/L	90		0		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	420	ug/L	84		0		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	470	ug/L	94		0		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	500	ug/L	100		0		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	560	ug/L	112		0		70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	500	ug/L	100		0		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	42.1	990	ug/L	95		4		20 (52)	160 (162)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064075.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167035BS	Pyridine	50	39.2	ug/L	78				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	41.2	ug/L	82				70 (76)	130 (103)	
	2-Methylphenol	50	45.6	ug/L	91				70 (69)	130 (109)	
	3+4-Methylphenols	50	46.0	ug/L	92				20 (67)	160 (106)	
	Hexachloroethane	50	44.3	ug/L	89				20 (76)	160 (118)	
	Nitrobenzene	50	44.7	ug/L	89				70 (58)	130 (106)	
	Hexachlorobutadiene	50	43.4	ug/L	87				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	50.2	ug/L	100				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	48.7	ug/L	97				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	46.6	ug/L	93				70 (60)	130 (115)	
	Hexachlorobenzene	50	44.7	ug/L	89				70 (73)	130 (106)	
	Pentachlorophenol	100	91.9	ug/L	92				20 (47)	160 (114)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167035BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064074.D Lab Sample ID: PB167035BL

Instrument ID: BNA_G Date Extracted: 03/07/2025

Matrix: (soil/water) water Date Analyzed: 03/10/2025

Level: (low/med) LOW Time Analyzed: 10:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167035BS	PB167035BS	BG064075.D	03/10/2025
PB167020TB	PB167020TB	BG064076.D	03/10/2025
ENV-105-SB01	Q1514-02	BG064082.D	03/10/2025
ENV-105-SB02	Q1514-04	BG064083.D	03/10/2025
ENV-103-SB01	Q1514-06	BG064084.D	03/10/2025
ENV-101-SB01MS	Q1488-02MS	BF141893.D	03/07/2025
ENV-101-SB01MSD	Q1488-02MSD	BF141894.D	03/07/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

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

Instrument ID: BNA_F DFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	46.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.1 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141793.D	02/27/2025	15:17
SSTDICC005	SSTDICC005	BF141794.D	02/27/2025	15:46
SSTDICC010	SSTDICC010	BF141795.D	02/27/2025	16:16
SSTDICC020	SSTDICC020	BF141796.D	02/27/2025	16:46
SSTDICCC040	SSTDICCC040	BF141797.D	02/27/2025	17:16
SSTDICC050	SSTDICC050	BF141798.D	02/27/2025	17:46
SSTDICC060	SSTDICC060	BF141799.D	02/27/2025	18:15
SSTDICC080	SSTDICC080	BF141800.D	02/27/2025	18:45

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BF141881.D DFTPP Injection Date: 03/07/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.3
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	33.4
70	Less than 2.0% of mass 69	0.2 (0.8) 1
127	10.0 - 80.0% of mass 198	46.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141882.D	03/07/2025	08:56
ENV-101-SB01MS	Q1488-02MS	BF141893.D	03/07/2025	18:30
ENV-101-SB01MSD	Q1488-02MSD	BF141894.D	03/07/2025	18:59

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064044.D DFTPP Injection Date: 03/05/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	55.3
68	Less than 2.0% of mass 69	0.4 (1.1) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.2 (20.2) 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	BG064045.D	03/05/2025	09:02
SSTDICC005	SSTDICC005	BG064046.D	03/05/2025	09:42
SSTDICC010	SSTDICC010	BG064047.D	03/05/2025	10:22
SSTDICC020	SSTDICC020	BG064048.D	03/05/2025	11:03
SSTDICCC040	SSTDICCC040	BG064049.D	03/05/2025	11:43
SSTDICC050	SSTDICC050	BG064050.D	03/05/2025	12:23
SSTDICC060	SSTDICC060	BG064051.D	03/05/2025	13:04
SSTDICC080	SSTDICC080	BG064052.D	03/05/2025	13:44

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064072.D DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	59.5
68	Less than 2.0% of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	40.6
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	48.3
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	28
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.5 (20) 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	BG064073.D	03/10/2025	09:23
PB167035BL	PB167035BL	BG064074.D	03/10/2025	10:03
PB167035BS	PB167035BS	BG064075.D	03/10/2025	10:44
PB167020TB	PB167020TB	BG064076.D	03/10/2025	11:24
ENV-105-SB01	Q1514-02	BG064082.D	03/10/2025	15:44
ENV-105-SB02	Q1514-04	BG064083.D	03/10/2025	16:25
ENV-103-SB01	Q1514-06	BG064084.D	03/10/2025	17:05

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BF141882.D Time Analyzed: 08:56

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	205331	6.887	782990	8.17	424782	9.92
	UPPER LIMIT	410662	7.387	1565980	8.669	849564	10.422
	LOWER LIMIT	102666	6.387	391495	7.669	212391	9.422
	EPA SAMPLE NO.						
01	ENV-101-SB01MS	146872	6.89	566046	8.17	296352	9.92
02	ENV-101-SB01MSD	134345	6.89	510741	8.17	263683	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.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BF141882.D Time Analyzed: 08:56

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	725251	11.404	490278	14.045	391726	15.516
	UPPER LIMIT	1450500	11.904	980556	14.545	783452	16.016
	LOWER LIMIT	362626	10.904	245139	13.545	195863	15.016
	EPA SAMPLE NO.						
01	ENV-101-SB01MS	482424	11.40	376304	14.05	373298	15.52
02	ENV-101-SB01MSD	403770	11.40	354164	14.04	380393	15.52

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/10/2025

Lab File ID: BG064073.D Time Analyzed: 09:23

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	33051	7.859	147761	10.65	101106	14.49
	UPPER LIMIT	66102	8.359	295522	11.15	202212	14.986
	LOWER LIMIT	16525.5	7.359	73880.5	10.15	50553	13.986
	EPA SAMPLE NO.						
01	PB167035BL	32741	7.86	140985	10.65	98023	14.49
02	PB167035BS	35194	7.86	154810	10.65	106817	14.48
03	PB167020TB	33773	7.86	143930	10.65	102383	14.49
04	ENV-105-SB01	33115	7.86	135273	10.65	90840	14.49
05	ENV-105-SB02	33131	7.87	137948	10.65	92307	14.48
06	ENV-103-SB01	30932	7.86	125637	10.65	82477	14.48

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.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/10/2025

Lab File ID: BG064073.D Time Analyzed: 09:23

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	218504	17.224	231279	21.46	238878	24.475
	UPPER LIMIT	437008	17.724	462558	21.96	477756	24.975
	LOWER LIMIT	109252	16.724	115640	20.96	119439	23.975
	EPA SAMPLE NO.						
01	PB167035BL	230921	17.22	233034	21.45	246222	24.47
02	PB167035BS	235208	17.23	237204	21.46	255311	24.47
03	PB167020TB	231933	17.22	231627	21.45	250695	24.47
04	ENV-105-SB01	211884	17.22	226453	21.45	238169	24.47
05	ENV-105-SB02	212136	17.23	223138	21.46	227657	24.47
06	ENV-103-SB01	191417	17.23	227681	21.46	219074	24.47

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 2025	Date Received:	
Client Sample ID:	PB167035BL	SDG No.:	Q1514
Lab Sample ID:	PB167035BL	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
BG064074.D	1	03/07/25 12:45	03/10/25 10:03	PB167035

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	142		15 (10) - 110 (139)	95%	SPK: 150
13127-88-3	Phenol-d6	136		15 (10) - 110 (134)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.0		30 (49) - 130 (133)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.7		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		15 (44) - 110 (137)	100%	SPK: 150
1718-51-0	Terphenyl-d14	97.7		30 (48) - 130 (125)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	32700	7.858			
1146-65-2	Naphthalene-d8	141000	10.649			
15067-26-2	Acenaphthene-d10	98000	14.486			
1517-22-2	Phenanthrene-d10	231000	17.224			
1719-03-5	Chrysene-d12	233000	21.454			
1520-96-3	Perylene-d12	246000	24.468			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167035BL	SDG No.:	Q1514
Lab Sample ID:	PB167035BL	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
BG064074.D	1	03/07/25 12:45	03/10/25 10:03	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167035BS	SDG No.:	Q1514
Lab Sample ID:	PB167035BS	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
BG064075.D	1	03/07/25 12:45	03/10/25 10:44	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	39.2		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	41.2		0.84	5.00	ug/L
95-48-7	2-Methylphenol	45.6		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	46.0		1.20	10.0	ug/L
67-72-1	Hexachloroethane	44.3		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.7		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.4		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	50.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.7		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	46.6		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	44.7		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	91.9	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	139		15 (10) - 110 (139)	92%	SPK: 150
13127-88-3	Phenol-d6	137		15 (10) - 110 (134)	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.8		30 (49) - 130 (133)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.8		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		15 (44) - 110 (137)	102%	SPK: 150
1718-51-0	Terphenyl-d14	97.3		30 (48) - 130 (125)	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	35200	7.862			
1146-65-2	Naphthalene-d8	155000	10.647			
15067-26-2	Acenaphthene-d10	107000	14.484			
1517-22-2	Phenanthrene-d10	235000	17.228			
1719-03-5	Chrysene-d12	237000	21.458			
1520-96-3	Perylene-d12	255000	24.472			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167035BS	SDG No.:	Q1514
Lab Sample ID:	PB167035BS	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
BG064075.D	1	03/07/25 12:45	03/10/25 10:44	PB167035

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

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:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1514
Lab Sample ID:	Q1488-02MS	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
BF141893.D	1	03/07/25 12:45	03/07/25 18:30	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	290		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	380		8.40	50.0	ug/L
95-48-7	2-Methylphenol	400		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	410		11.5	100	ug/L
67-72-1	Hexachloroethane	370		10.1	50.0	ug/L
98-95-3	Nitrobenzene	450		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	420		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	470		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	500		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	560		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	500		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	950	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	118		15 (10) - 110 (139)	79%	SPK: 150
13127-88-3	Phenol-d6	108		15 (10) - 110 (134)	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	110		30 (49) - 130 (133)	110%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	182	*	15 (44) - 110 (137)	122%	SPK: 150
1718-51-0	Terphenyl-d14	83.1		30 (48) - 130 (125)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	147000	6.887			
1146-65-2	Naphthalene-d8	566000	8.169			
15067-26-2	Acenaphthene-d10	296000	9.922			
1517-22-2	Phenanthrene-d10	482000	11.404			
1719-03-5	Chrysene-d12	376000	14.045			
1520-96-3	Perylene-d12	373000	15.515			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1514
Lab Sample ID:	Q1488-02MS	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
BF141893.D	1	03/07/25 12:45	03/07/25 18:30	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1514
Lab Sample ID:	Q1488-02MSD	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
BF141894.D	1	03/07/25 12:45	03/07/25 18:59	PB167035

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	380		8.40	50.0	ug/L
95-48-7	2-Methylphenol	390		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	400		11.5	100	ug/L
67-72-1	Hexachloroethane	370		10.1	50.0	ug/L
98-95-3	Nitrobenzene	450		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	420		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	470		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	500		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	560		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	500		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	990	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	122		15 (10) - 110 (139)	82%	SPK: 150
13127-88-3	Phenol-d6	110		15 (10) - 110 (134)	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	112		30 (49) - 130 (133)	112%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	175	*	15 (44) - 110 (137)	116%	SPK: 150
1718-51-0	Terphenyl-d14	76.5		30 (48) - 130 (125)	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	134000	6.886			
1146-65-2	Naphthalene-d8	511000	8.169			
15067-26-2	Acenaphthene-d10	264000	9.922			
1517-22-2	Phenanthrene-d10	404000	11.404			
1719-03-5	Chrysene-d12	354000	14.039			
1520-96-3	Perylene-d12	380000	15.515			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1514
Lab Sample ID:	Q1488-02MSD	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
BF141894.D	1	03/07/25 12:45	03/07/25 18:59	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
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E = Value Exceeds Calibration Range
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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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CALIBRATION SUMMARY

Response Factor Report BNA_F

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

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

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

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

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

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

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

(#) = Out of Range

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 05 15:39:19 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064045.D 5 =BG064046.D 10 =BG064047.D 20 =BG064048.D 40 =BG064049.D 50 =BG064050.D 60 =BG064051.D 80 =BG0640
52.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.598	0.605	0.624	0.585	0.559	0.539	0.554	0.580	5.31
3)		Pyridine		1.450	1.445	1.452	1.573	1.338	1.376	1.248	1.412	7.30
4)		n-Nitrosodimet...		0.892	0.976	1.017	1.064	0.996	1.047	1.068	1.009	6.16
5)	S	2-Fluorophenol		1.165	1.240	1.330	1.350	1.259	1.318	1.304	1.281	5.00
6)		Aniline		1.593	1.670	1.825	1.820	1.642	1.748	1.671	1.710	5.24
7)	S	Phenol-d6		1.580	1.631	1.794	1.848	1.703	1.839	1.803	1.742	6.09
8)		2-Chlorophenol		1.262	1.337	1.412	1.446	1.333	1.420	1.420	1.376	4.80
9)		Benzaldehyde		1.111	1.122	1.133	1.003	0.860	0.850		1.013	12.94
10)	C	Phenol		1.590	1.693	1.826	1.881	1.752	1.900	1.846	1.784	6.30
11)		bis(2-Chloroet...		1.375	1.444	1.424	1.415	1.322	1.418	1.394	1.399	2.88
12)		1,3-Dichlorobe...		1.523	1.539	1.501	1.546	1.438	1.519	1.508	1.511	2.36
13)	C	1,4-Dichlorobe...		1.548	1.546	1.607	1.592	1.478	1.536	1.532	1.548	2.72
14)		1,2-Dichlorobe...		1.488	1.464	1.543	1.519	1.416	1.525	1.497	1.493	2.88
15)		Benzyl Alcohol		1.115	1.249	1.343	1.436	1.358	1.467	1.457	1.346	9.50
16)		2,2'-oxybis(1-...		3.064	3.024	3.209	3.282	2.996	3.218	3.222	3.145	3.61
17)		2-Methylphenol		1.015	1.116	1.177	1.268	1.171	1.269	1.271	1.184	8.11
18)		Hexachloroethane		0.489	0.519	0.520	0.577	0.526	0.581	0.580	0.542	6.88
19)	P	n-Nitroso-di-n...	1.146	1.095	1.157	1.282	1.323	1.189	1.322	1.268	1.223	7.13
20)		3+4-Methylphenols		1.402	1.518	1.638	1.706	1.612	1.804	1.729	1.630	8.34
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.522	0.525	0.580	0.563	0.546	0.561	0.543	0.548	3.82
23)	S	Nitrobenzene-d5		0.290	0.300	0.360	0.385	0.390	0.400	0.409	0.362	13.32
24)		Nitrobenzene		0.298	0.320	0.390	0.397	0.396	0.409	0.409	0.374	12.20
25)		Isophorone		0.709	0.672	0.744	0.745	0.717	0.757	0.727	0.724	3.93
26)	C	2-Nitrophenol		0.067	0.079	0.096	0.122	0.130	0.141	0.147	0.112	28.03
27)		2,4-Dimethylph...		0.194	0.187	0.221	0.228	0.221	0.239	0.229	0.217	8.82
28)		bis(2-Chloroet...		0.424	0.417	0.468	0.443	0.427	0.449	0.445	0.439	4.03
29)	C	2,4-Dichloroph...		0.222	0.239	0.281	0.287	0.290	0.301	0.298	0.274	11.22
30)		1,2,4-Trichlor...		0.323	0.317	0.343	0.332	0.336	0.335	0.332	0.331	2.54
31)		Naphthalene		1.078	1.043	1.114	1.079	1.061	1.097	1.077	1.078	2.13
32)		Benzoic acid			0.078	0.139	0.172	0.191	0.217	0.220	0.170	31.75
33)		4-Chloroaniline		0.355	0.364	0.407	0.416	0.394	0.419	0.404	0.394	6.46
34)	C	Hexachlorobuta...		0.208	0.213	0.225	0.219	0.216	0.220	0.218	0.217	2.55
35)		Caprolactam		0.086	0.091	0.112	0.110	0.113	0.112	0.111	0.105	10.78
36)	C	4-Chloro-3-met...		0.293	0.330	0.379	0.373	0.373	0.390	0.376	0.359	9.67
37)		2-Methylnaphth...		0.775	0.727	0.788	0.763	0.746	0.779	0.751	0.761	2.80
38)		1-Methylnaphth...		0.745	0.728	0.771	0.753	0.724	0.768	0.733	0.746	2.53

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.547	0.584	0.592	0.586	0.560	0.562	0.566	0.571	2.88
41)	P	Hexachlorocycl...	0.123	0.128	0.161	0.175	0.175	0.180	0.183	0.161	15.44
42)	S	2,4,6-Tribromo...	0.166	0.191	0.226	0.241	0.241	0.250	0.241	0.222	14.12
43)	C	2,4,6-Trichlor...	0.268	0.293	0.341	0.358	0.362	0.368	0.366	0.337	11.89
44)		2,4,5-Trichlor...	0.284	0.330	0.381	0.406	0.396	0.407	0.413	0.374	12.98
45)	S	2-Fluorobiphenyl	1.369	1.310	1.359	1.368	1.283	1.284	1.251	1.318	3.62
46)		1,1'-Biphenyl	1.506	1.499	1.572	1.538	1.475	1.512	1.475	1.511	2.29
47)		2-Chloronaphth...	1.086	1.075	1.100	1.127	1.102	1.121	1.103	1.102	1.63
48)		2-Nitroaniline	0.197	0.231	0.277	0.348	0.368	0.396	0.408	0.318	26.14
49)		Acenaphthylene	1.714	1.677	1.793	1.789	1.735	1.777	1.717	1.743	2.53
50)		Dimethylphthalate	1.432	1.401	1.559	1.520	1.463	1.508	1.452	1.476	3.73
51)		2,6-Dinitrotol...	0.158	0.200	0.262	0.292	0.300	0.307	0.308	0.261	22.73
52)	C	Acenaphthene	1.165	1.148	1.231	1.187	1.159	1.171	1.128	1.170	2.77
53)		3-Nitroaniline	0.190	0.228	0.298	0.316	0.313	0.329	0.323	0.285	18.96
54)	P	2,4-Dinitrophenol		0.066	0.084	0.100	0.111	0.121	0.129	0.102	23.25
55)		Dibenzofuran	1.926	1.881	1.976	1.941	1.853	1.864	1.826	1.895	2.84
56)	P	4-Nitrophenol		0.164	0.200	0.257	0.280	0.270	0.265	0.239	19.47
57)		2,4-Dinitrotol...	0.225	0.255	0.344	0.404	0.418	0.426	0.424	0.357	23.78
58)		Fluorene	1.555	1.450	1.542	1.478	1.452	1.460	1.395	1.476	3.79
59)		2,3,4,6-Tetrac...	0.262	0.326	0.388	0.395	0.385	0.402	0.393	0.365	14.21
60)		Diethylphthalate	1.496	1.501	1.709	1.669	1.624	1.637	1.584	1.603	5.06
61)		4-Chlorophenyl...	0.754	0.744	0.788	0.735	0.712	0.721	0.681	0.733	4.61
62)		4-Nitroaniline	0.213	0.263	0.313	0.345	0.351	0.339	0.333	0.308	16.67
63)		Azobenzene	1.734	1.645	1.785	1.758	1.700	1.705	1.644	1.710	3.13
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.050	0.059	0.075	0.082	0.092	0.096	0.076	24.31
66)	c	n-Nitrosodiphe...	0.558	0.551	0.582	0.578	0.558	0.571	0.565	0.566	2.06
67)		4-Bromophenyl-...	0.186	0.195	0.212	0.210	0.200	0.217	0.213	0.205	5.61
68)		Hexachlorobenzene	0.227	0.226	0.236	0.229	0.228	0.229	0.230	0.229	1.45
69)		Atrazine	0.175	0.190	0.179	0.160	0.129			0.167	14.34
70)	C	Pentachlorophenol		0.105	0.128	0.149	0.151	0.159	0.163	0.142	15.58
71)		Phenanthrene	1.084	1.034	1.110	1.080	1.054	1.059	1.047	1.067	2.44
72)		Anthracene	1.024	1.041	1.104	1.085	1.055	1.065	1.051	1.061	2.55
73)		Carbazole	0.949	0.988	1.020	1.027	1.007	0.986	0.956	0.990	3.02
74)		Di-n-butylphth...	0.932	1.095	1.213	1.257	1.236	1.219	1.208	1.166	9.90
75)	C	Fluoranthene	1.272	1.315	1.336	1.318	1.298	1.243	1.221	1.286	3.31
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.221	0.400	0.238	0.313	0.195	0.299	0.271	0.277	24.80
78)		Pyrene	1.251	1.287	1.350	1.310	1.254	1.290	1.282	1.289	2.63
79)	S	Terphenyl-d14	1.011	1.024	1.062	0.999	0.944	0.957	0.927	0.989	4.88
80)		Butylbenzylpht...	0.285	0.331	0.405	0.465	0.473	0.503	0.502	0.423	20.44
81)		Benzo(a)anthra...	1.217	1.268	1.310	1.303	1.275	1.309	1.286	1.281	2.54
82)		3,3'-Dichlorob...	0.350	0.396	0.444	0.450	0.416	0.436	0.411	0.415	8.27
83)		Chrysene	1.281	1.233	1.308	1.306	1.263	1.301	1.252	1.278	2.29
84)		Bis(2-ethylhex...	0.504	0.582	0.685	0.757	0.751	0.789	0.782	0.693	15.90
85)	c	Di-n-octyl pht...		0.892	1.108	1.239	1.256	1.339	1.338	1.195	14.31

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.223	1.232	1.408	1.376	1.354	1.381	1.394	1.338	5.80
88)		Benzo(b)fluora...	1.150	1.146	1.269	1.216	1.232	1.215	1.236	1.209	3.76
89)		Benzo(k)fluora...	1.111	1.189	1.281	1.255	1.205	1.234	1.215	1.213	4.49
90)	C	Benzo(a)pyrene	0.993	1.022	1.124	1.107	1.106	1.092	1.093	1.077	4.57
91)		Dibenzo(a,h)an...	1.029	1.036	1.151	1.133	1.134	1.123	1.160	1.109	4.86
92)		Benzo(g,h,i)pe...	1.049	1.093	1.208	1.152	1.146	1.155	1.168	1.139	4.58

(#) = 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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_F Calibration Date/Time: 03/07/2025 08:56

Lab File ID: BF141882.D Init. Calib. Date(s): 02/27/2025 02/27/2025

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.414	1.348		-4.7	
2-Fluorophenol	1.252	1.256		0.3	
Phenol-d6	1.630	1.579		-3.1	
1,4-Dichlorobenzene	1.462	1.487		1.7	20.0
2-Methylphenol	1.118	1.079		-3.5	
3+4-Methylphenols	1.392	1.368		-1.7	
Nitrobenzene-d5	0.313	0.378		20.8	
Hexachloroethane	0.547	0.553		1.1	
Nitrobenzene	0.335	0.376		12.2	
Hexachlorobutadiene	0.194	0.214		10.3	20.0
2,4,6-Trichlorophenol	0.373	0.408		9.4	20.0
2-Fluorobiphenyl	1.247	1.329		6.6	
2,4,5-Trichlorophenol	0.369	0.436		18.2	
2,4-Dinitrotoluene	0.269	0.415		54.3	
2,4,6-Tribromophenol	0.188	0.260		38.3	
Hexachlorobenzene	0.247	0.280		13.4	
Pentachlorophenol	0.156	0.195		25.0	20.0
Terphenyl-d14	1.236	1.349		9.1	

All other compounds must meet a minimum RRF of 0.010.

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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_G Calibration Date/Time: 03/10/2025 09:23

Lab File ID: BG064073.D Init. Calib. Date(s): 03/05/2025 03/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:44

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.412	1.607		13.8	
2-Fluorophenol	1.281	1.298		1.3	
Phenol-d6	1.742	1.787		2.6	
1,4-Dichlorobenzene	1.548	1.559		0.7	20.0
2-Methylphenol	1.184	1.244		5.1	
3+4-Methylphenols	1.630	1.707		4.7	
Nitrobenzene-d5	0.362	0.395		9.1	
Hexachloroethane	0.542	0.570		5.2	
Nitrobenzene	0.374	0.392		4.8	
Hexachlorobutadiene	0.217	0.225		3.7	20.0
2,4,6-Trichlorophenol	0.337	0.387		14.8	20.0
2-Fluorobiphenyl	1.318	1.399		6.1	
2,4,5-Trichlorophenol	0.374	0.424		13.4	
2,4-Dinitrotoluene	0.357	0.406		13.7	
2,4,6-Tribromophenol	0.222	0.242		9.0	
Hexachlorobenzene	0.229	0.240		4.8	
Pentachlorophenol	0.142	0.148		4.2	20.0
Terphenyl-d14	0.989	0.972		-1.7	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064076.D
Acq On : 10 Mar 2025 11:24
Operator : RC/JU
Sample : PB167020TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Quant Time: Mar 10 13:01:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

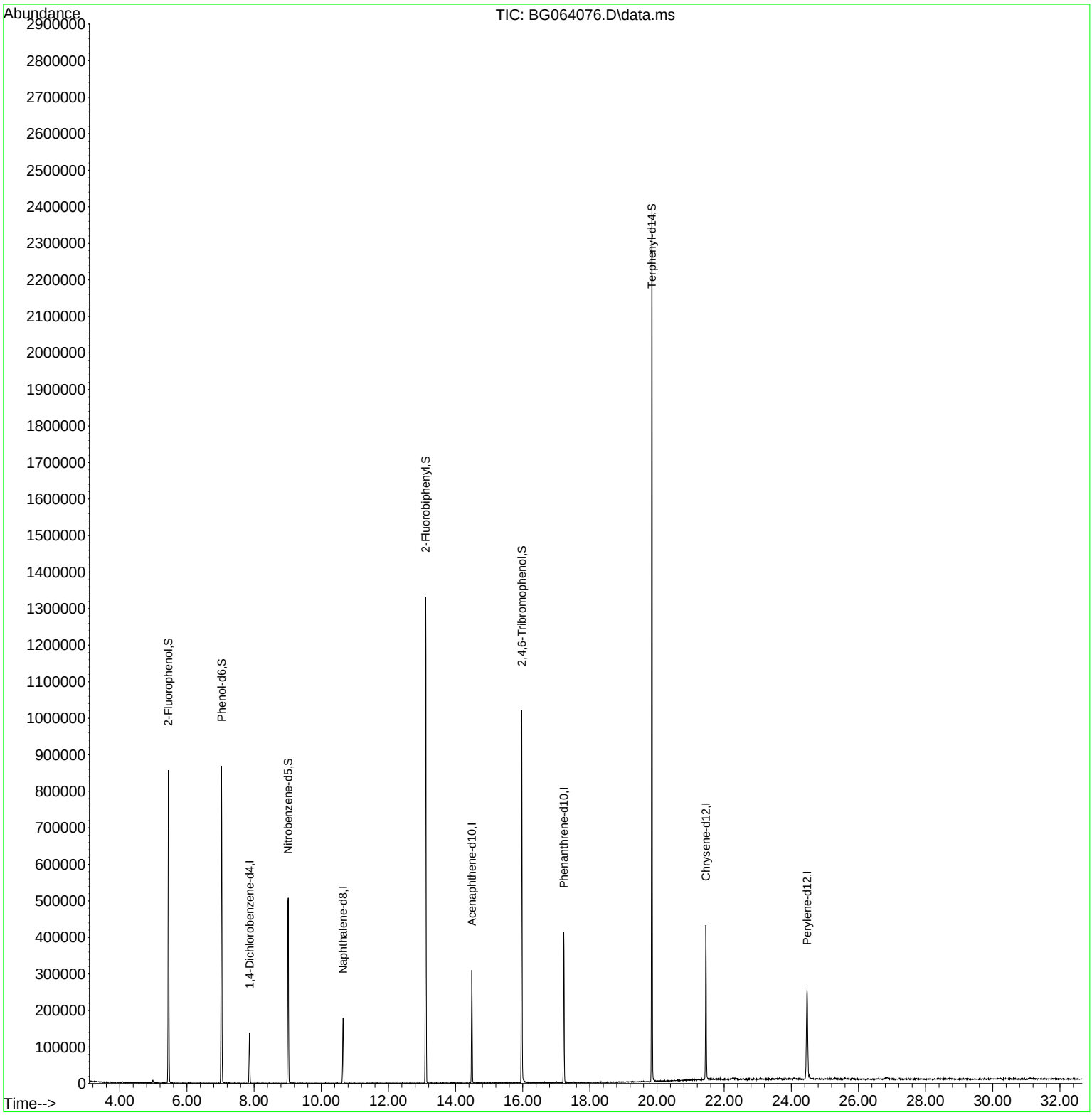
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	33773	20.000	ng	# 0.00
21) Naphthalene-d8	10.649	136	143930	20.000	ng	# 0.00
39) Acenaphthene-d10	14.486	164	102383	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	231933	20.000	ng	0.00
76) Chrysene-d12	21.454	240	231627	20.000	ng	0.00
86) Perylene-d12	24.468	264	250695	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.449	112	311735	144.126	ng	0.00
7) Phenol-d6	7.030	99	409825	139.281	ng	0.00
23) Nitrobenzene-d5	9.016	82	264974	101.737	ng	0.00
42) 2,4,6-Tribromophenol	15.972	330	168851	148.368	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	640087	94.896	ng	0.00
79) Terphenyl-d14	19.850	244	1171504	102.267	ng	0.00
Target Compounds						Qvalue

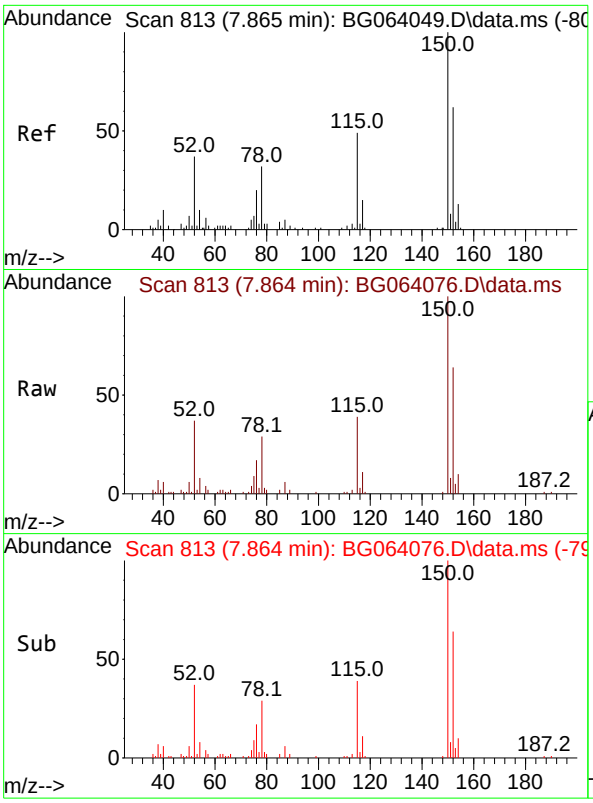
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064076.D
Acq On : 10 Mar 2025 11:24
Operator : RC/JU
Sample : PB167020TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Quant Time: Mar 10 13:01:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



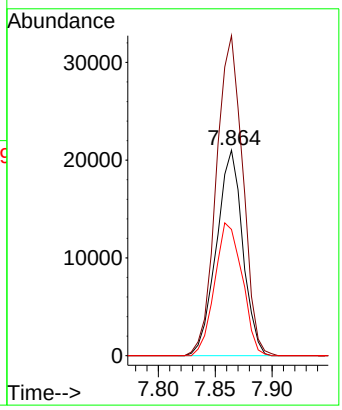


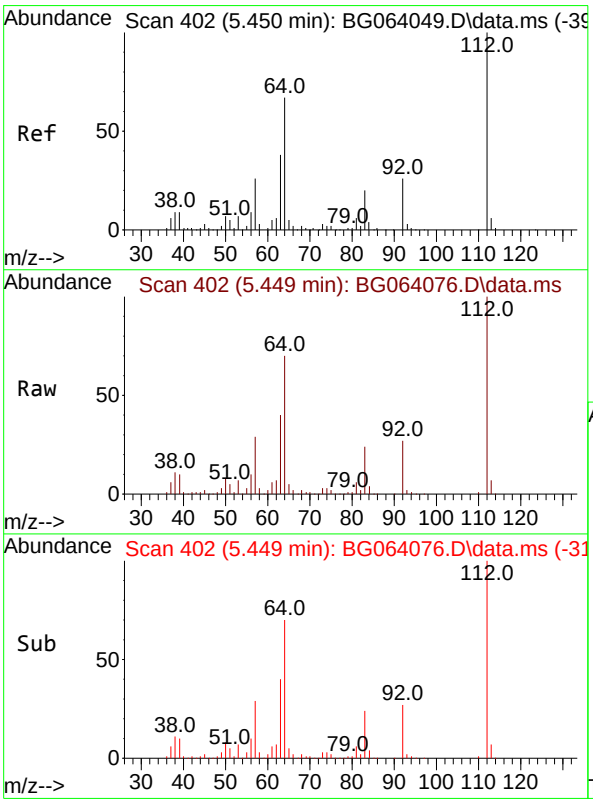
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Tgt Ion:152 Resp: 33773

Ion	Ratio	Lower	Upper
152	100		
150	155.8	129.2	193.8
115	61.5	63.0	94.6#

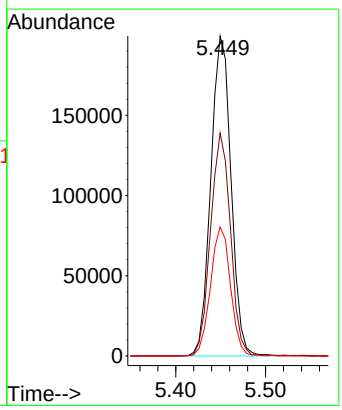


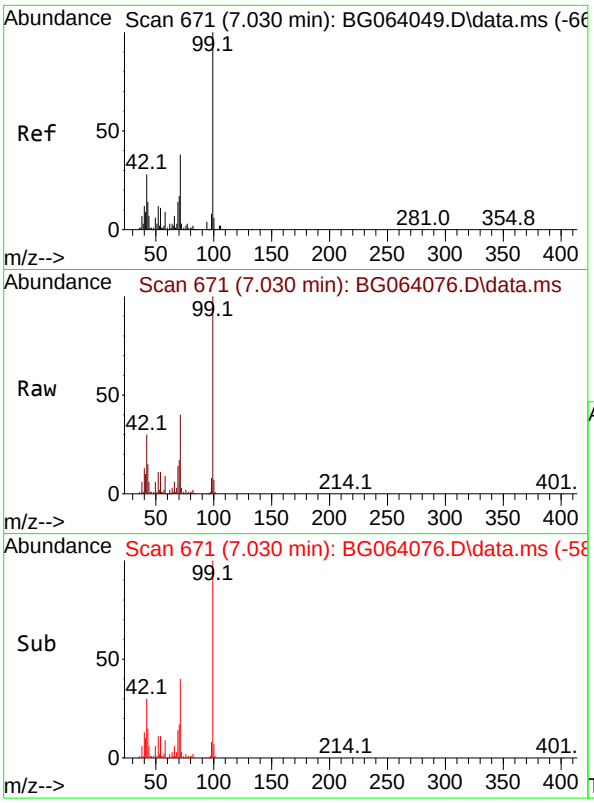


#5
2-Fluorophenol
Concen: 144.126 ng
RT: 5.449 min Scan# 402
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:112 Resp: 311735

Ion	Ratio	Lower	Upper
112	100		
64	69.7	53.7	80.5
63	40.3	30.2	45.4



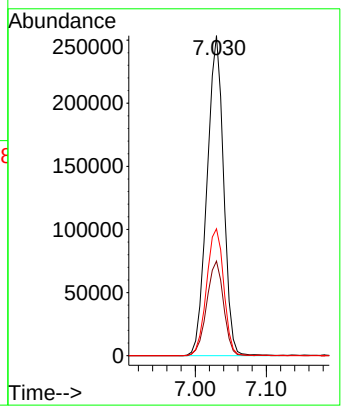


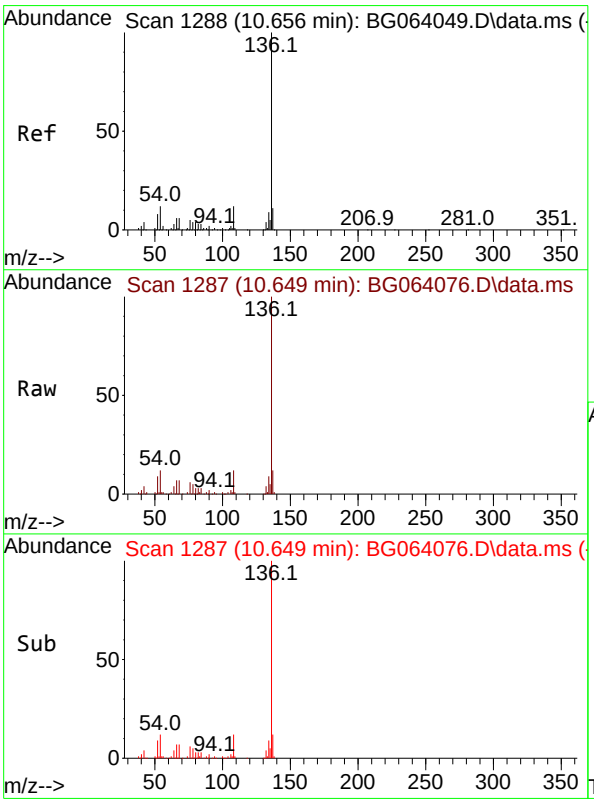
#7
Phenol-d6
Concen: 139.281 ng
RT: 7.030 min Scan# 6
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Tgt Ion: 99 Resp: 409825

Ion	Ratio	Lower	Upper
99	100		
42	29.5	22.7	34.1
71	39.6	30.6	46.0

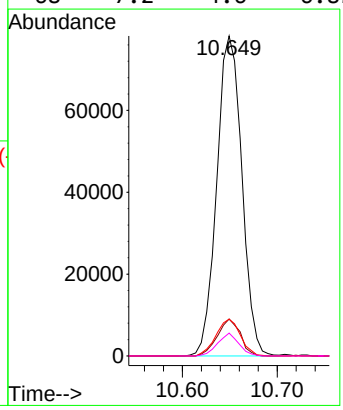


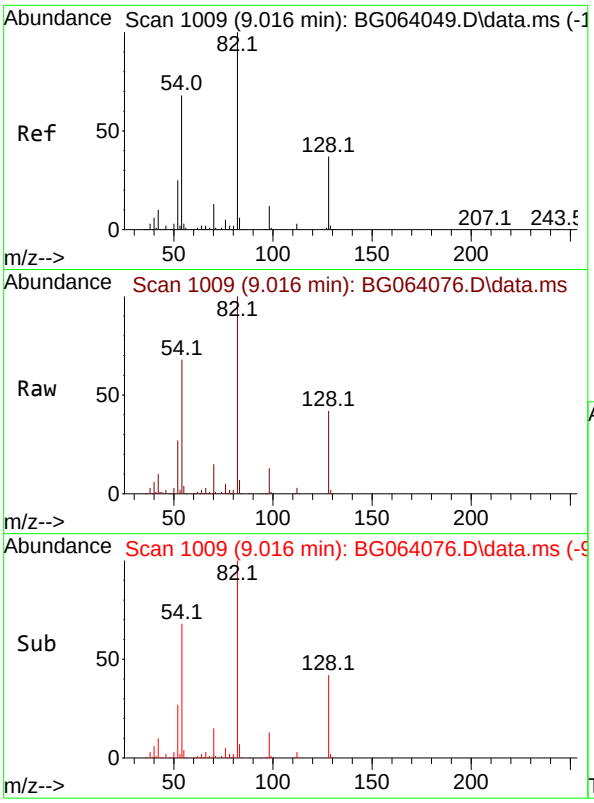


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:136 Resp: 143930

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.5	12.7
54	11.5	9.9	14.9
68	7.2	4.6	6.8#



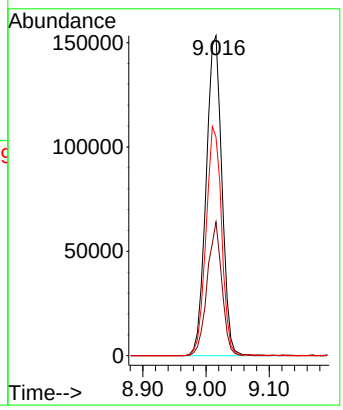


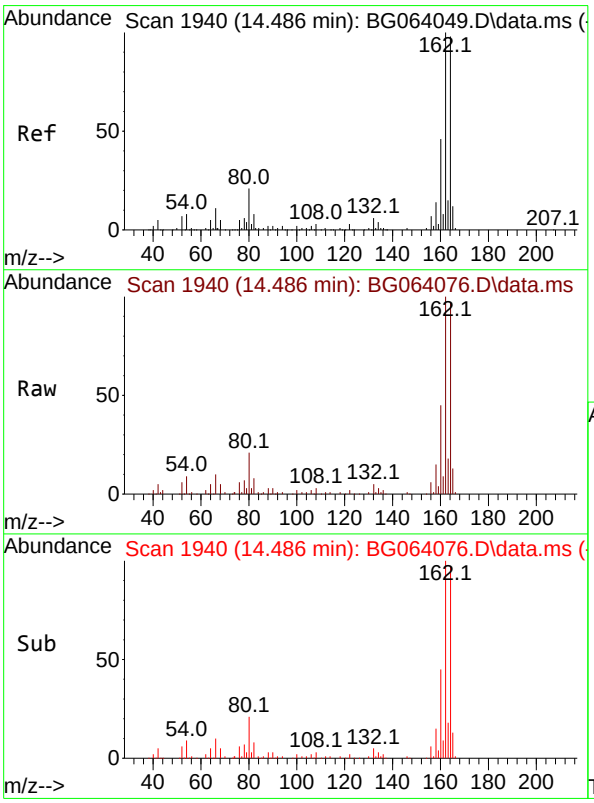
#23
Nitrobenzene-d5
Concen: 101.737 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Tgt Ion: 82 Resp: 264974

Ion	Ratio	Lower	Upper
82	100		
128	41.8	30.0	45.0
54	68.3	54.7	82.1

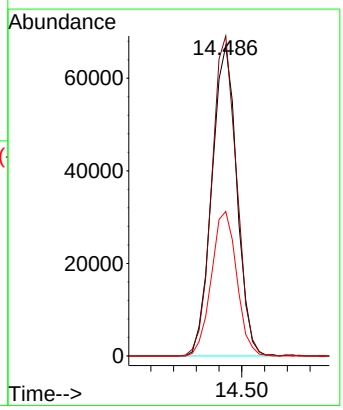


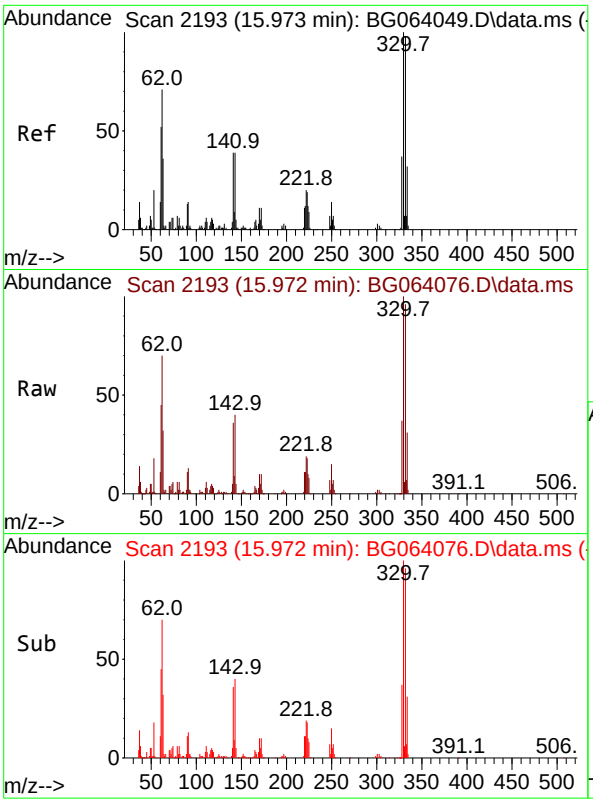


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:164 Resp: 102383

Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.4	122.0
160	46.6	37.0	55.6



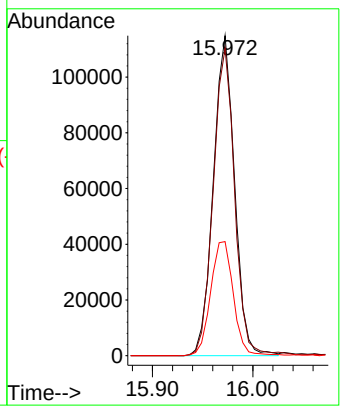


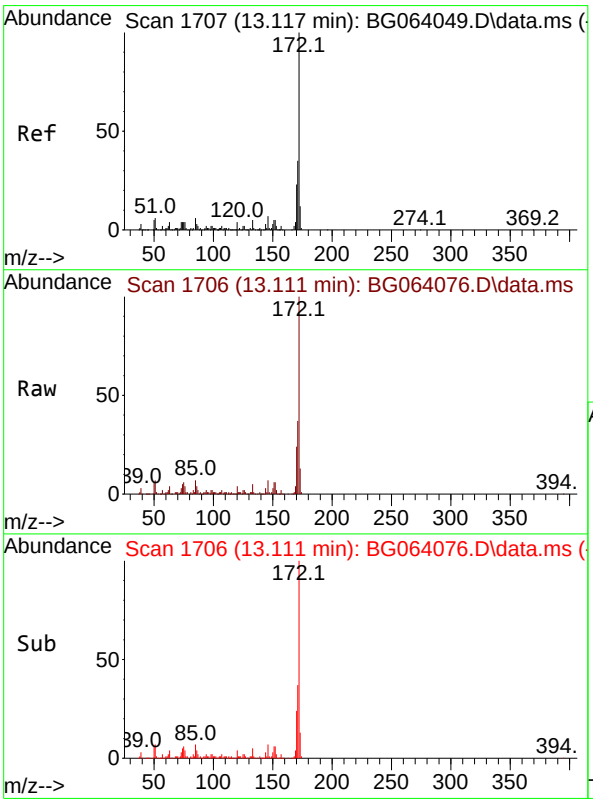
#42
2,4,6-Tribromophenol
Concen: 148.368 ng
RT: 15.972 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Tgt Ion:330 Resp: 168851

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.7	115.1
141	38.3	29.7	44.5

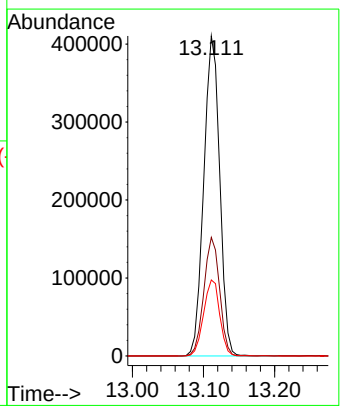


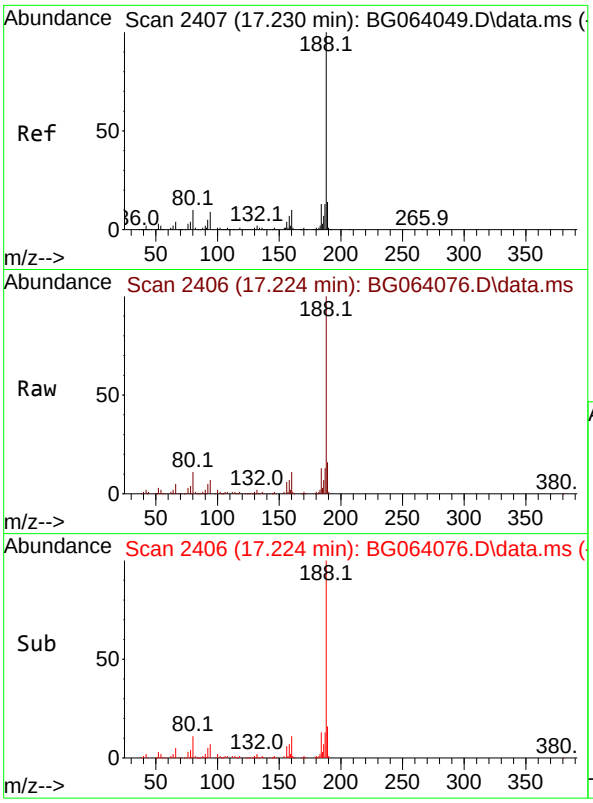


#45
2-Fluorobiphenyl
Concen: 94.896 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:172 Resp: 640087

Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.0	42.0
170	23.7	18.7	28.1



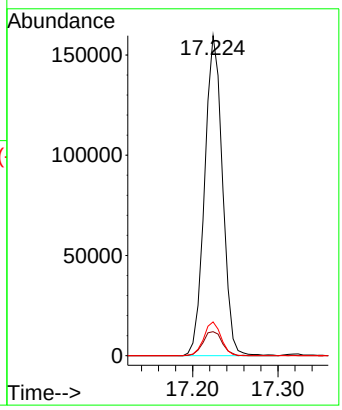


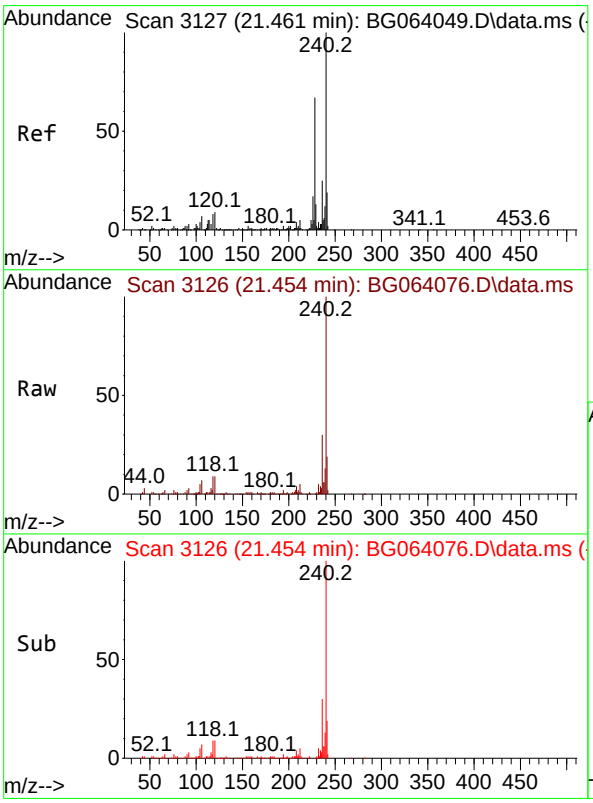
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Tgt Ion:188 Resp: 231933

Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.9	10.3
80	10.5	8.1	12.1

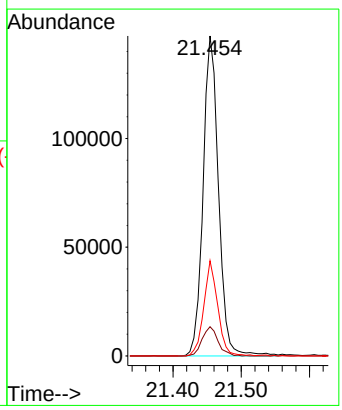


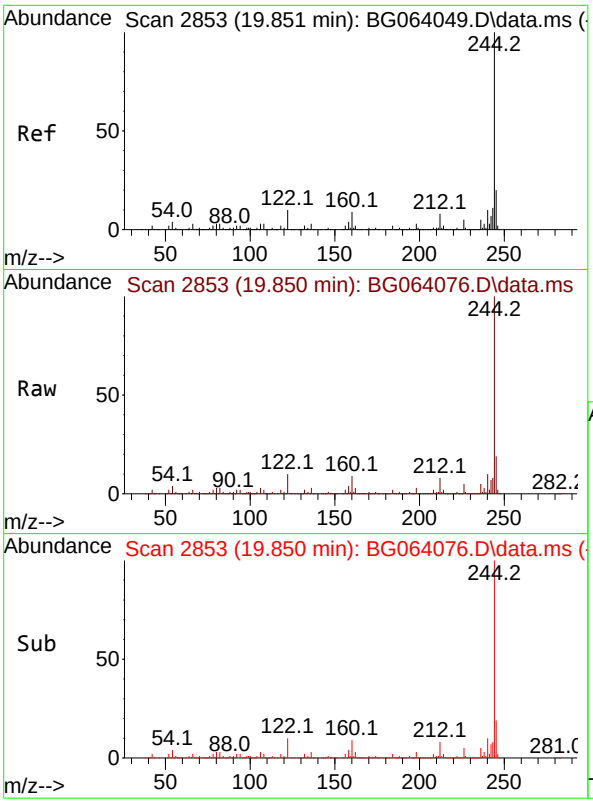


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.006 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:240 Resp: 231627

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.2	10.8
236	29.7	20.2	30.2



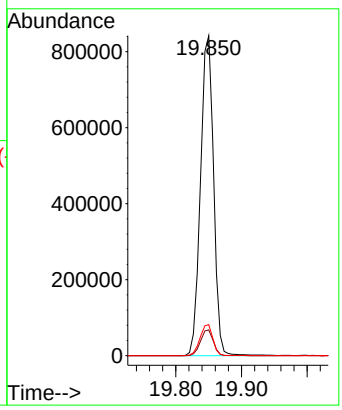


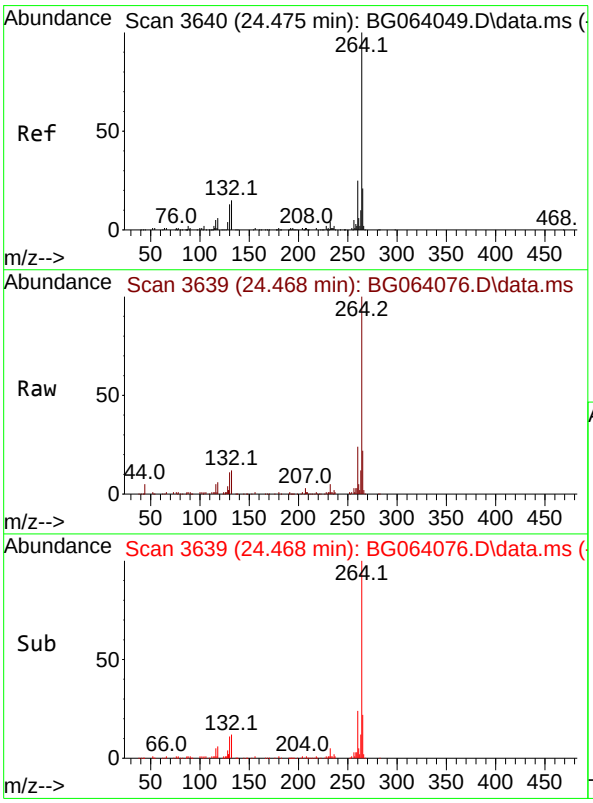
#79
Terphenyl-d14
Concen: 102.267 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Tgt Ion:244 Resp: 1171504

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	9.7	8.0	12.0

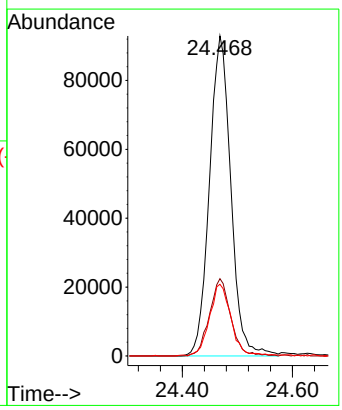




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3639
Delta R.T. -0.006 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:264 Resp: 250695

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	22.4	16.6	25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064082.D
Acq On : 10 Mar 2025 15:44
Operator : RC/JU
Sample : Q1514-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Quant Time: Mar 10 17:44:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

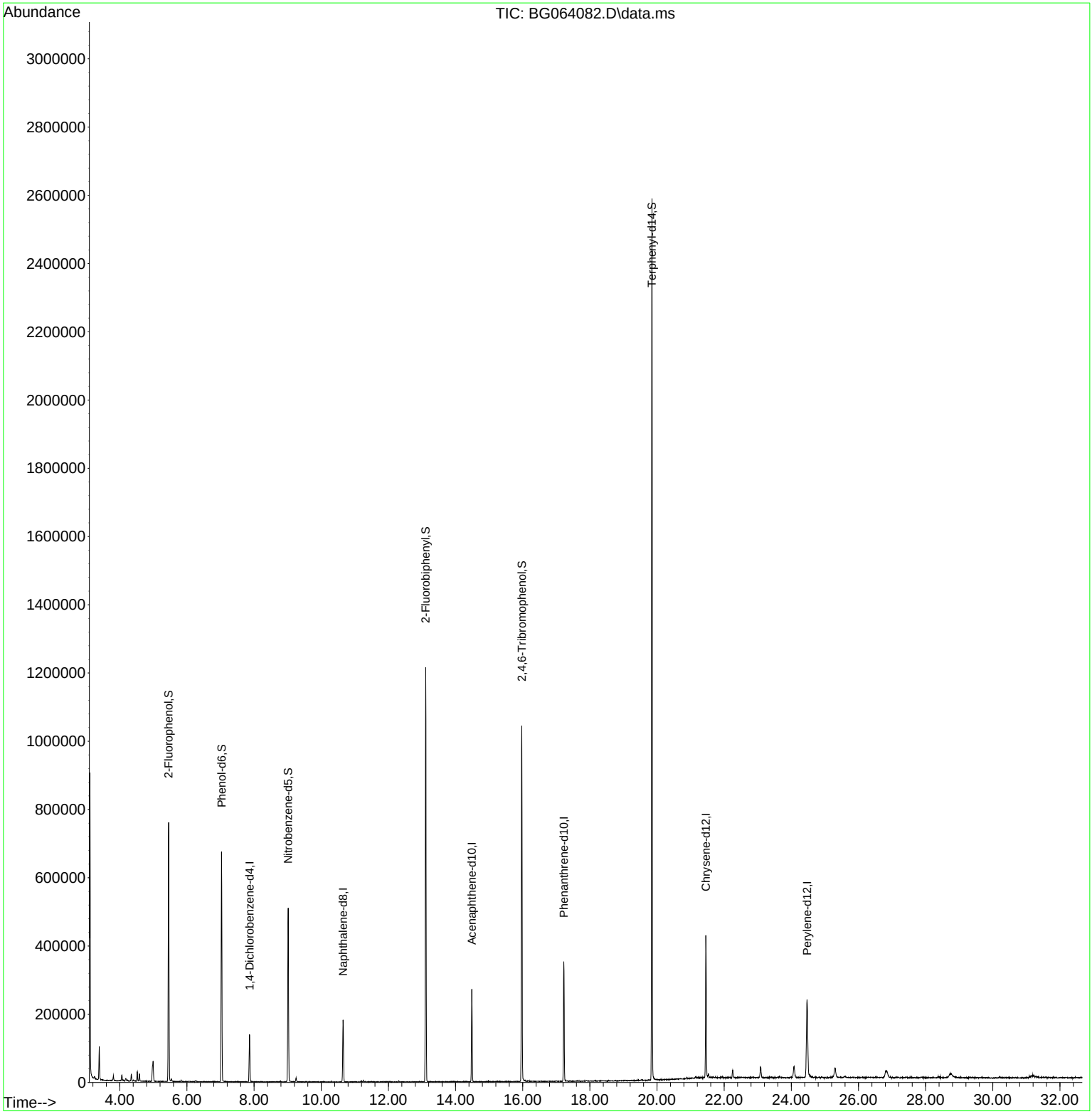
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	33115	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	135273	20.000	ng	0.00
39) Acenaphthene-d10	14.485	164	90840	20.000	ng	0.00
64) Phenanthrene-d10	17.223	188	211884	20.000	ng	0.00
76) Chrysene-d12	21.454	240	226453	20.000	ng	0.00
86) Perylene-d12	24.468	264	238169	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.455	112	276035	130.157	ng	0.00
7) Phenol-d6	7.029	99	317763	110.139	ng	0.00
23) Nitrobenzene-d5	9.015	82	258664	105.670	ng	0.00
42) 2,4,6-Tribromophenol	15.972	330	173206	171.533	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	558838	93.378	ng	0.00
79) Terphenyl-d14	19.850	244	1203117	107.426	ng	0.00
Target Compounds						Qvalue

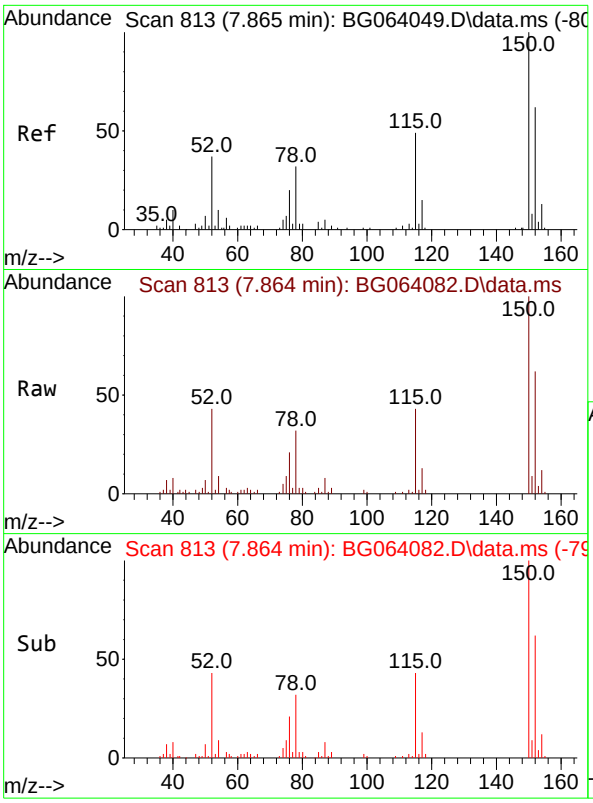
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064082.D
Acq On : 10 Mar 2025 15:44
Operator : RC/JU
Sample : Q1514-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Quant Time: Mar 10 17:44:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



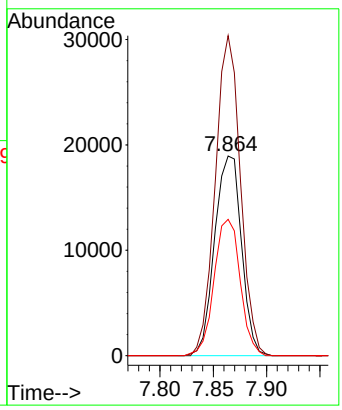


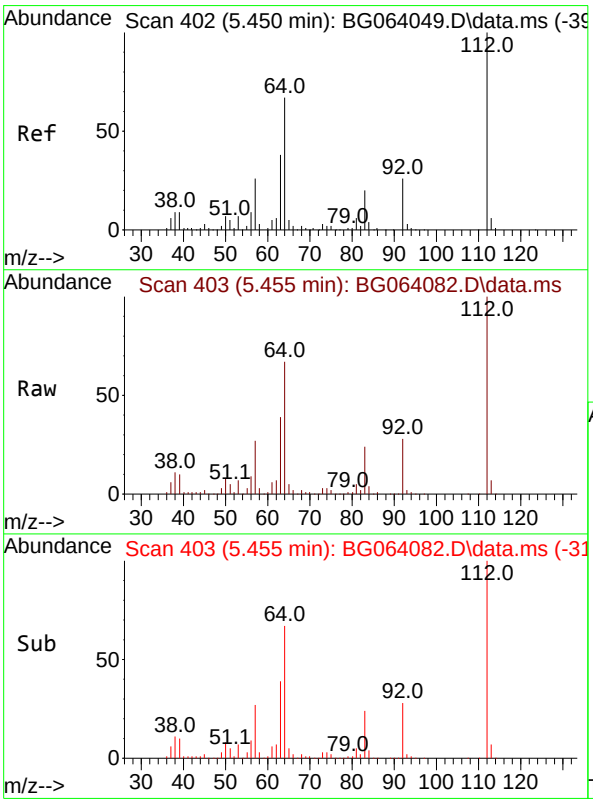
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Tgt Ion:152 Resp: 33115

Ion	Ratio	Lower	Upper
152	100		
150	160.3	129.2	193.8
115	68.3	63.0	94.6

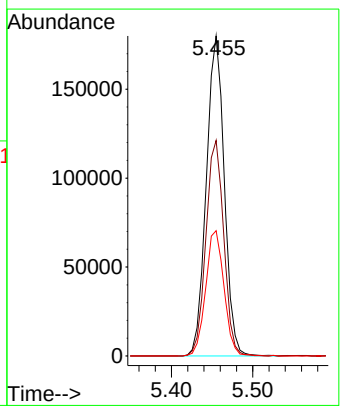


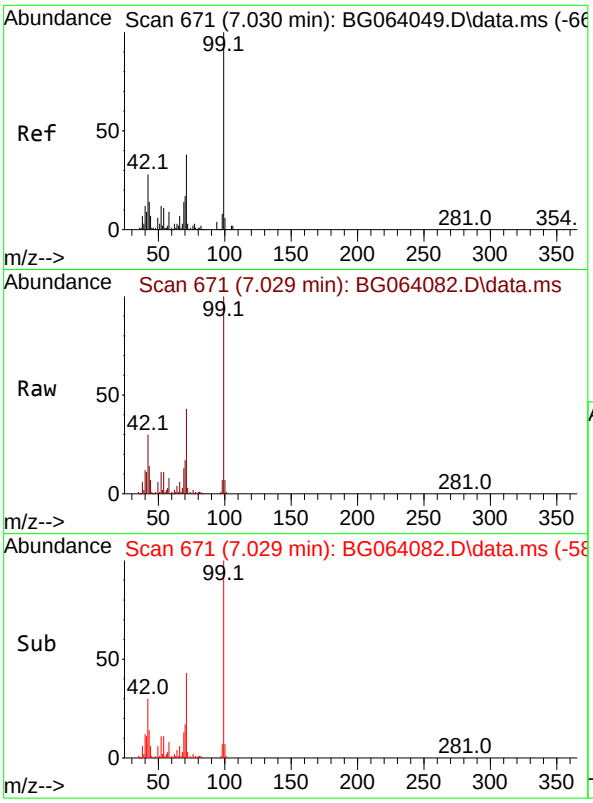


#5
2-Fluorophenol
Concen: 130.157 ng
RT: 5.455 min Scan# 403
Delta R.T. 0.005 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Tgt Ion:112 Resp: 276035

Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.7	80.5
63	39.2	30.2	45.4



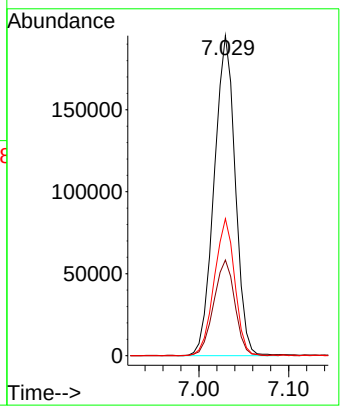


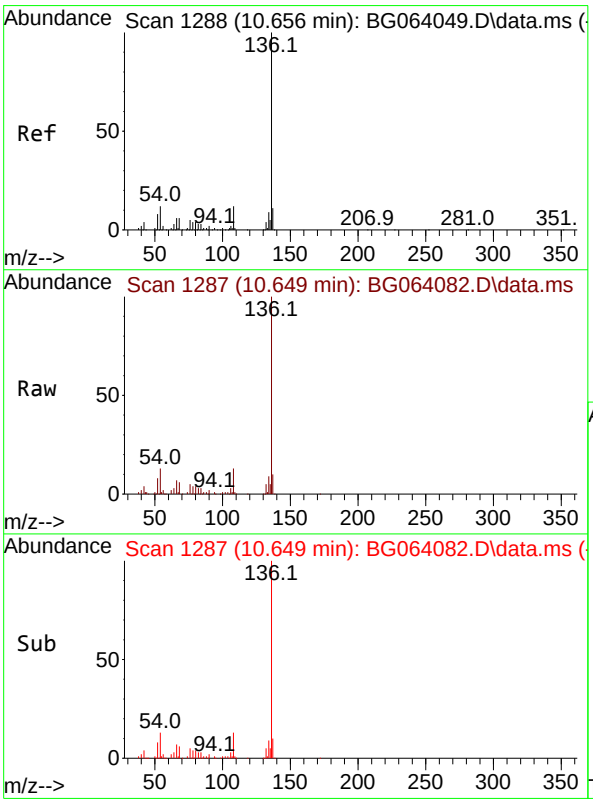
#7
Phenol-d6
Concen: 110.139 ng
RT: 7.029 min Scan# 6
Delta R.T. -0.001 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Tgt Ion: 99 Resp: 317763

Ion	Ratio	Lower	Upper
99	100		
42	29.9	22.7	34.1
71	42.8	30.6	46.0

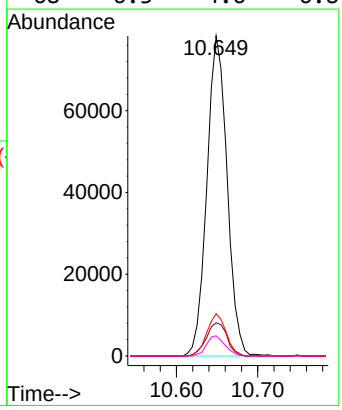


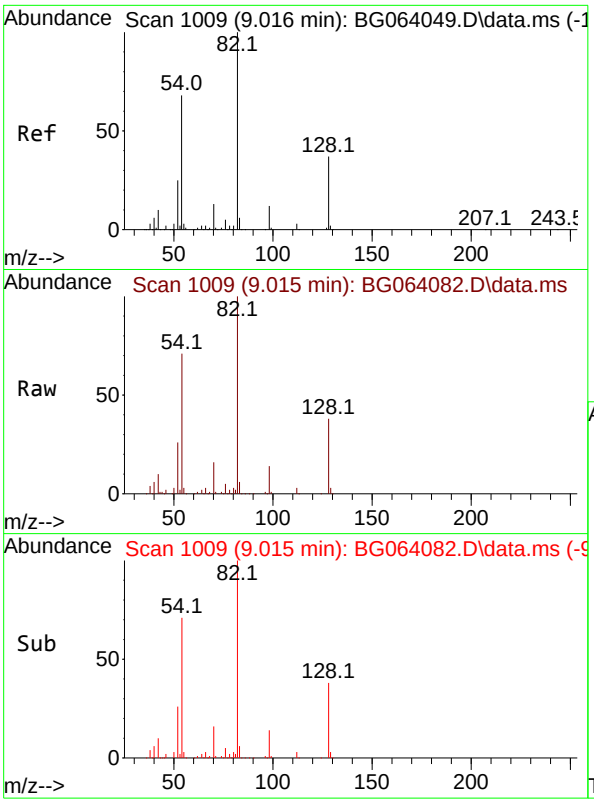


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Tgt Ion:136 Resp: 135273

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	13.2	9.9	14.9
68	6.3	4.6	6.8



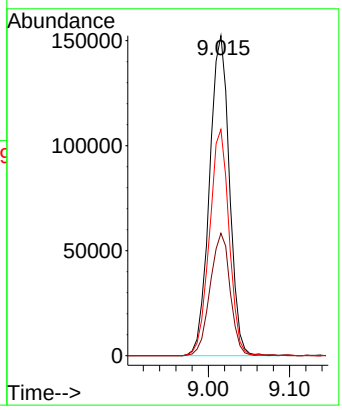


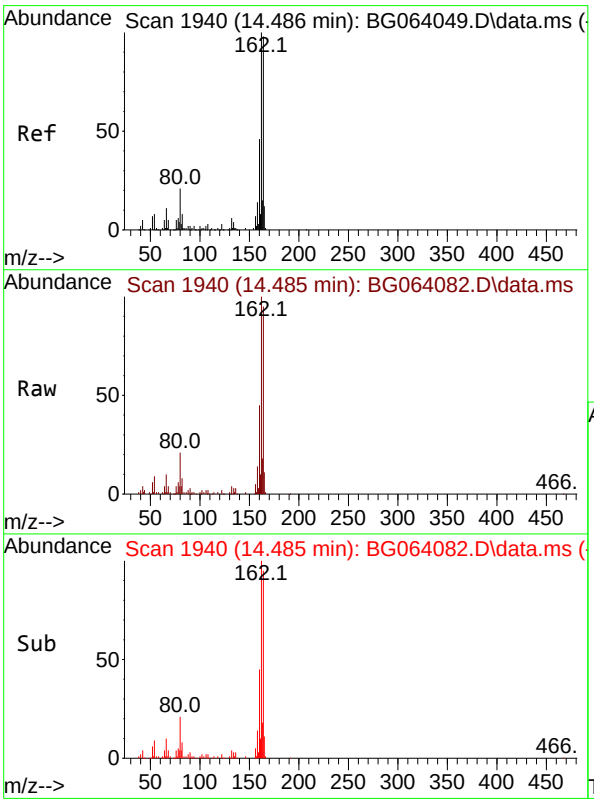
#23
Nitrobenzene-d5
Concen: 105.670 ng
RT: 9.015 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Tgt Ion: 82 Resp: 258664

Ion	Ratio	Lower	Upper
82	100		
128	38.2	30.0	45.0
54	70.7	54.7	82.1

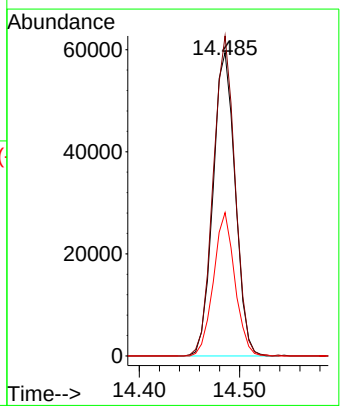


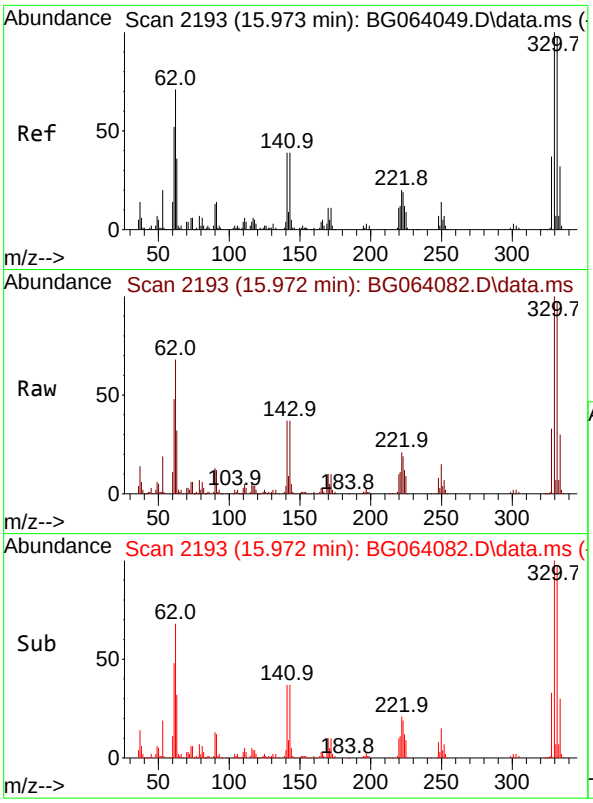


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.485 min Scan# 1940
Delta R.T. -0.001 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Tgt Ion:164 Resp: 90840

Ion	Ratio	Lower	Upper
164	100		
162	105.4	81.4	122.0
160	47.2	37.0	55.6



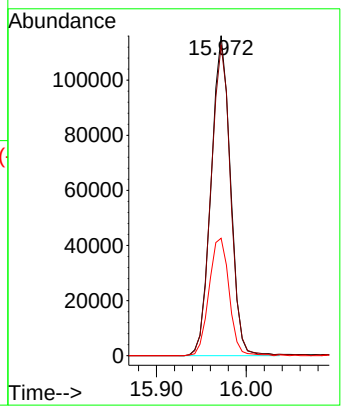


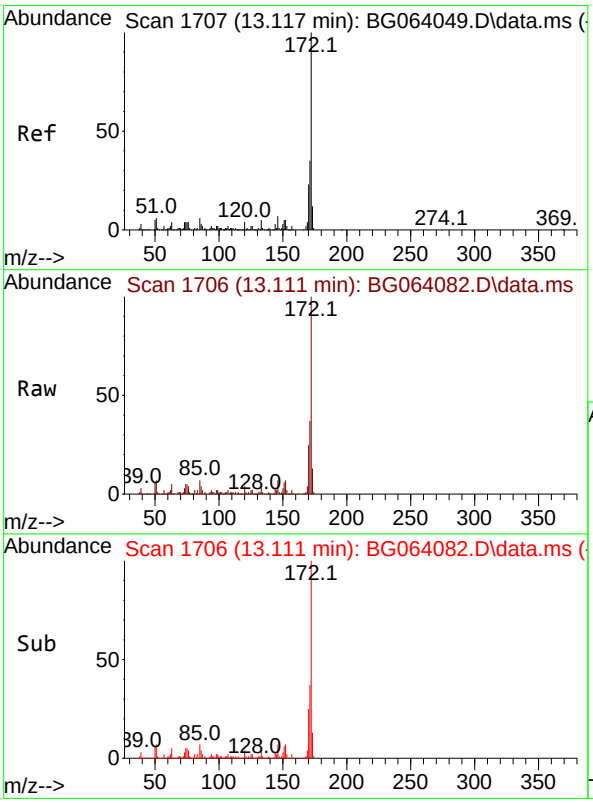
#42
2,4,6-Tribromophenol
Concen: 171.533 ng
RT: 15.972 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Tgt Ion:330 Resp: 173206

Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.7	115.1
141	38.2	29.7	44.5

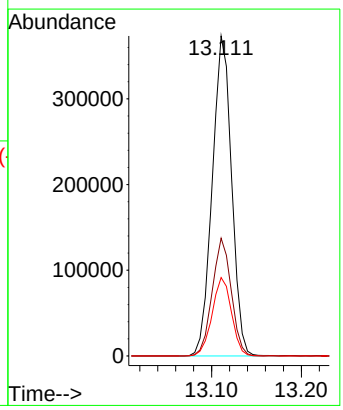


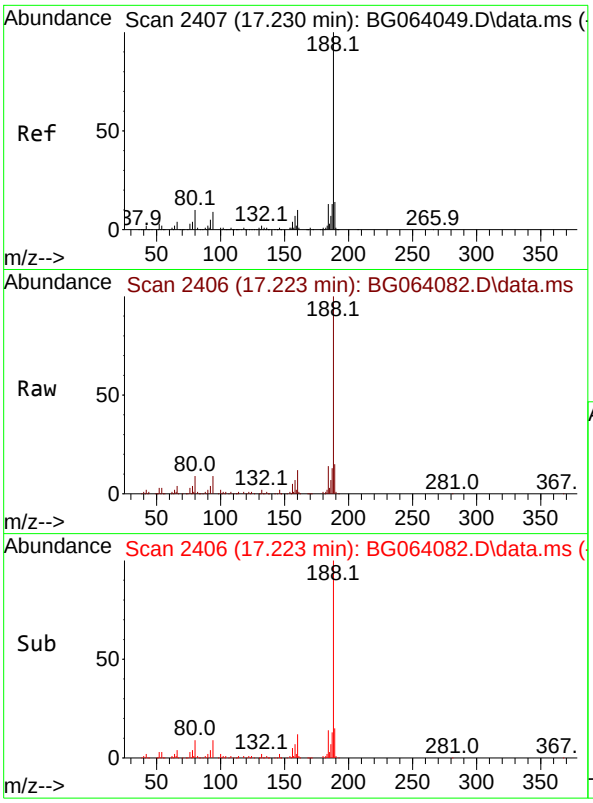


#45
2-Fluorobiphenyl
Concen: 93.378 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.007 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Tgt Ion:172 Resp: 558838

Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.0	42.0
170	24.5	18.7	28.1



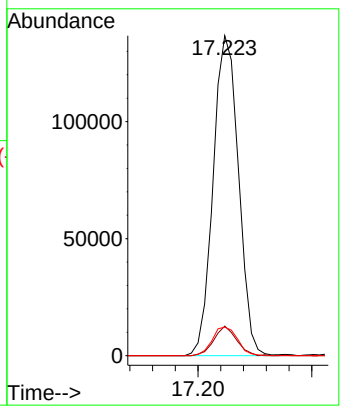


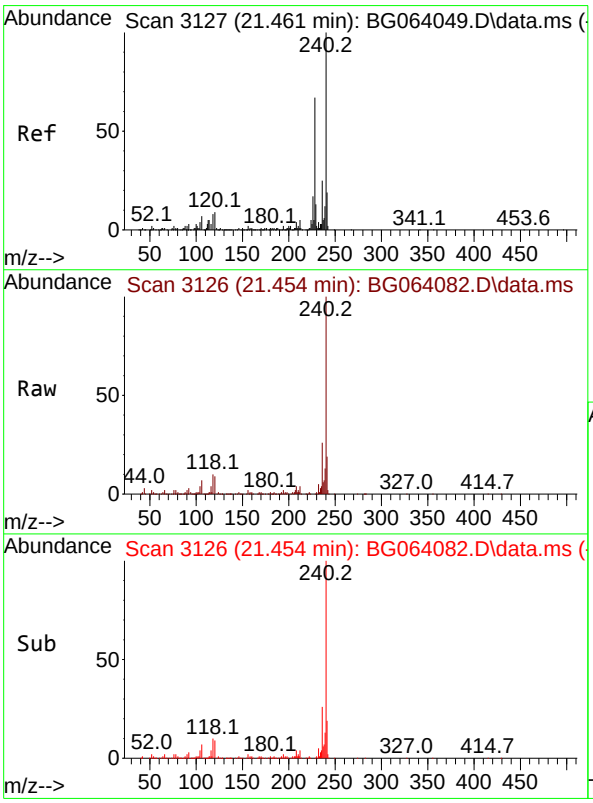
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.223 min Scan# 24
Delta R.T. -0.007 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Tgt Ion:188 Resp: 211884

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.9	10.3
80	8.9	8.1	12.1

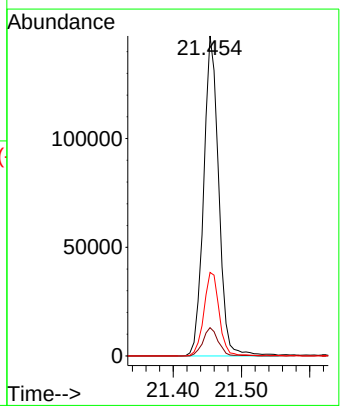


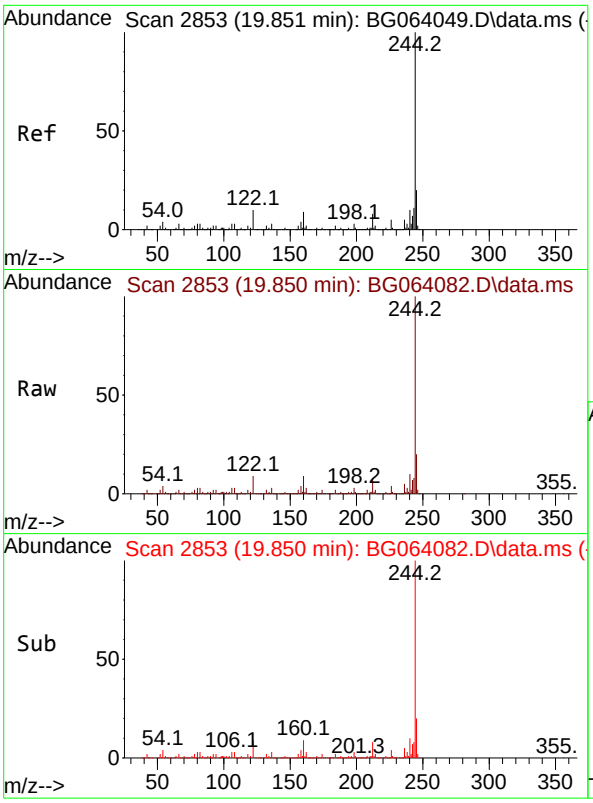


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.007 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Tgt Ion:240 Resp: 226453

Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.2	10.8
236	26.1	20.2	30.2



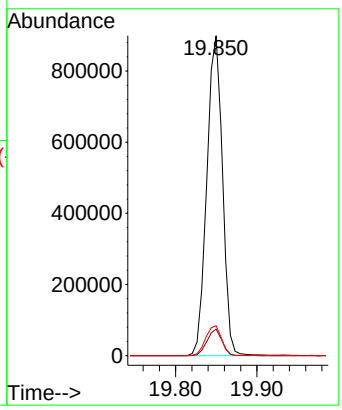


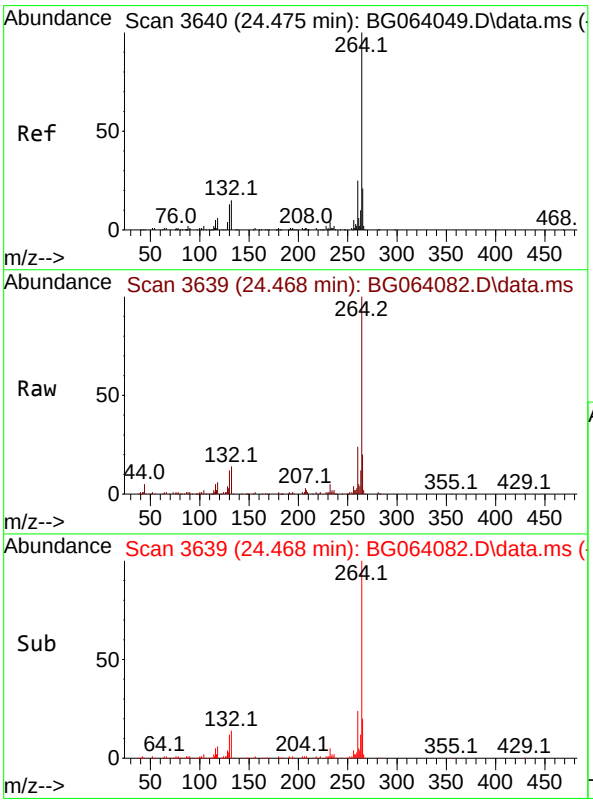
#79
Terphenyl-d14
Concen: 107.426 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Tgt Ion:244 Resp: 1203117

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.4
122	9.3	8.0	12.0

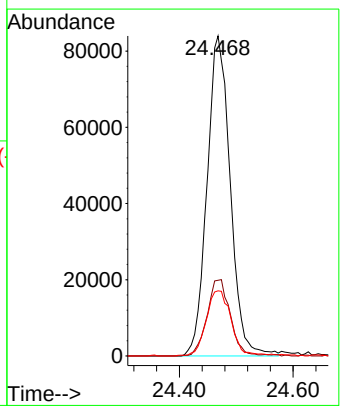




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3639
Delta R.T. -0.007 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Tgt Ion:264 Resp: 238169

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	20.4	16.6	25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064083.D
Acq On : 10 Mar 2025 16:25
Operator : RC/JU
Sample : Q1514-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Time: Mar 10 18:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

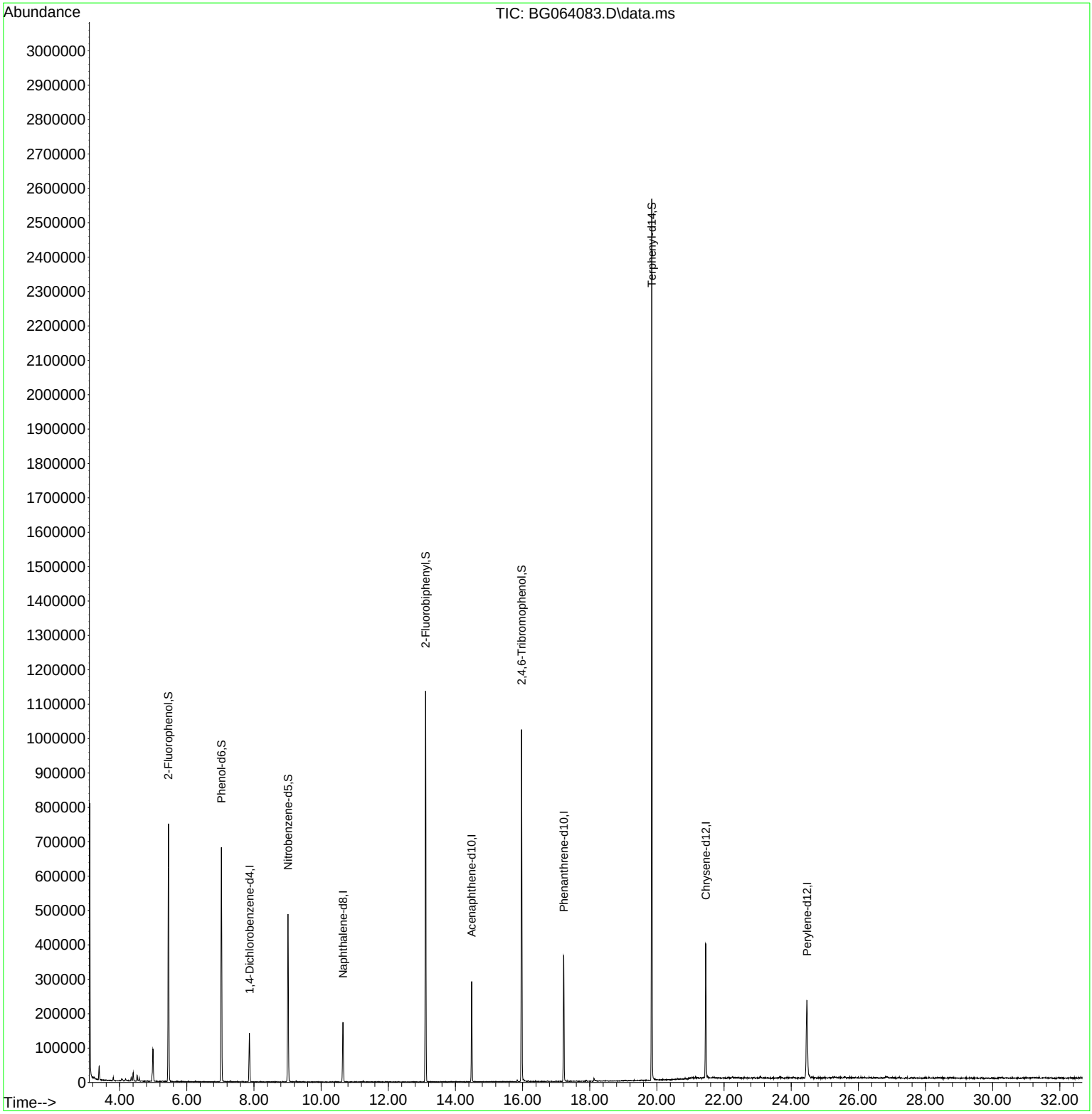
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.868	152	33131	20.000	ng	# 0.00
21) Naphthalene-d8	10.653	136	137948	20.000	ng	0.00
39) Acenaphthene-d10	14.484	164	92307	20.000	ng	0.00
64) Phenanthrene-d10	17.228	188	212136	20.000	ng	0.00
76) Chrysene-d12	21.458	240	223138	20.000	ng	0.00
86) Perylene-d12	24.472	264	227657	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	278811	131.402	ng	0.00
7) Phenol-d6	7.028	99	331043	114.687	ng	0.00
23) Nitrobenzene-d5	9.014	82	252088	100.986	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	165524	161.320	ng	0.00
45) 2-Fluorobiphenyl	13.115	172	552471	90.847	ng	0.00
79) Terphenyl-d14	19.848	244	1143296	103.601	ng	0.00
Target Compounds						Qvalue

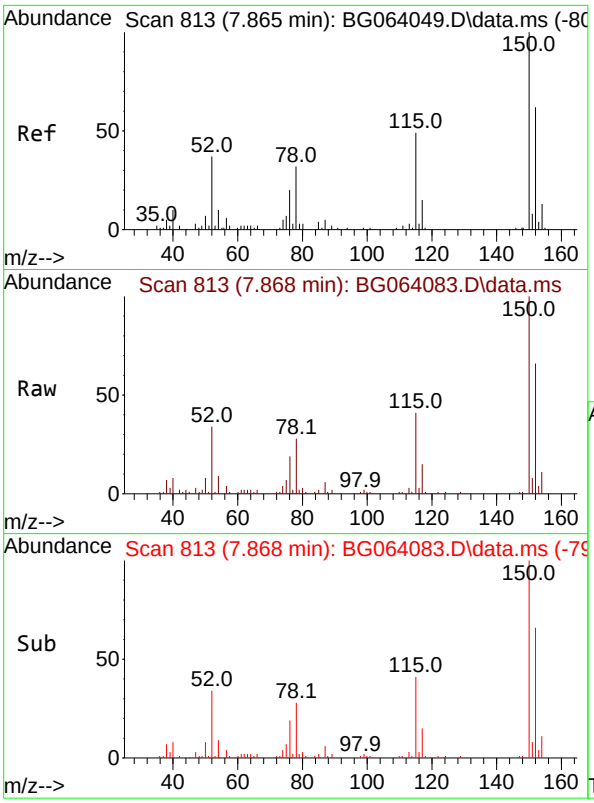
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064083.D
Acq On : 10 Mar 2025 16:25
Operator : RC/JU
Sample : Q1514-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Time: Mar 10 18:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



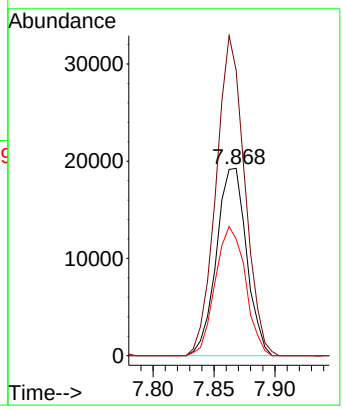


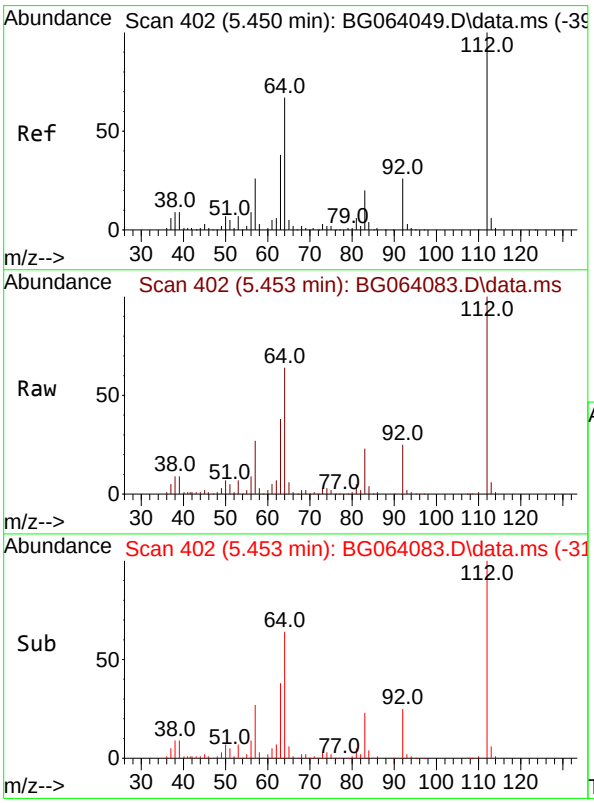
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.868 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:152 Resp: 33131

Ion	Ratio	Lower	Upper
152	100		
150	152.3	129.2	193.8
115	62.3	63.0	94.6#

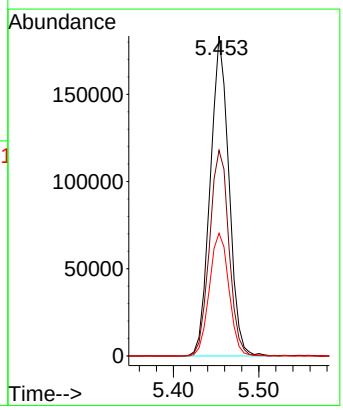


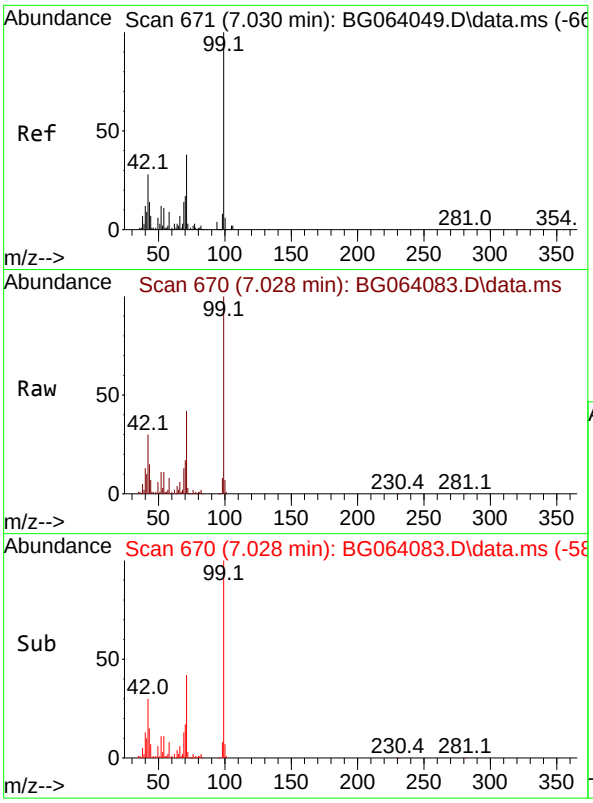


#5
2-Fluorophenol
Concen: 131.402 ng
RT: 5.453 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Tgt Ion:112 Resp: 278811

Ion	Ratio	Lower	Upper
112	100		
64	64.2	53.7	80.5
63	38.4	30.2	45.4



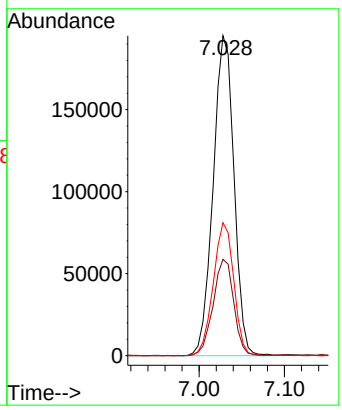


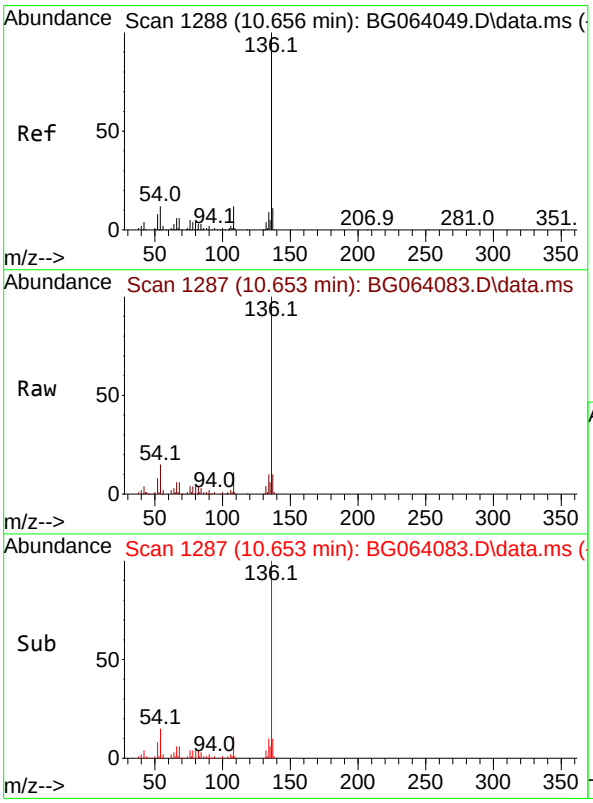
#7
Phenol-d6
Concen: 114.687 ng
RT: 7.028 min Scan# 6
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion: 99 Resp: 331043

Ion	Ratio	Lower	Upper
99	100		
42	30.1	22.7	34.1
71	41.5	30.6	46.0

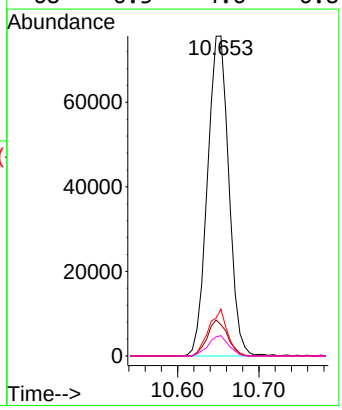


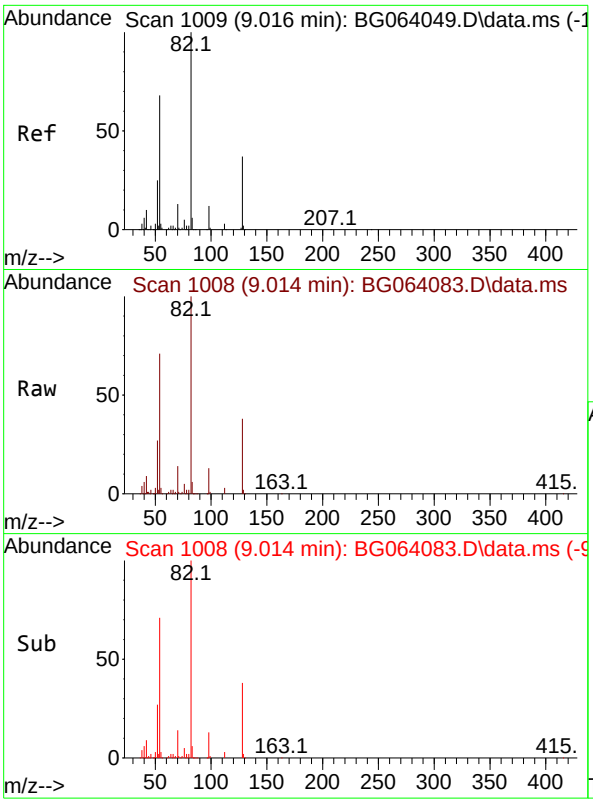


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.653 min Scan# 1287
Delta R.T. -0.003 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Tgt Ion:136 Resp: 137948

Ion	Ratio	Lower	Upper
136	100		
137	9.8	8.5	12.7
54	14.6	9.9	14.9
68	6.3	4.6	6.8



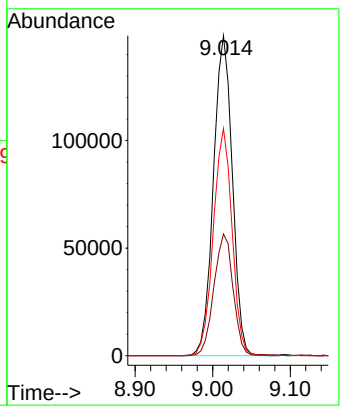


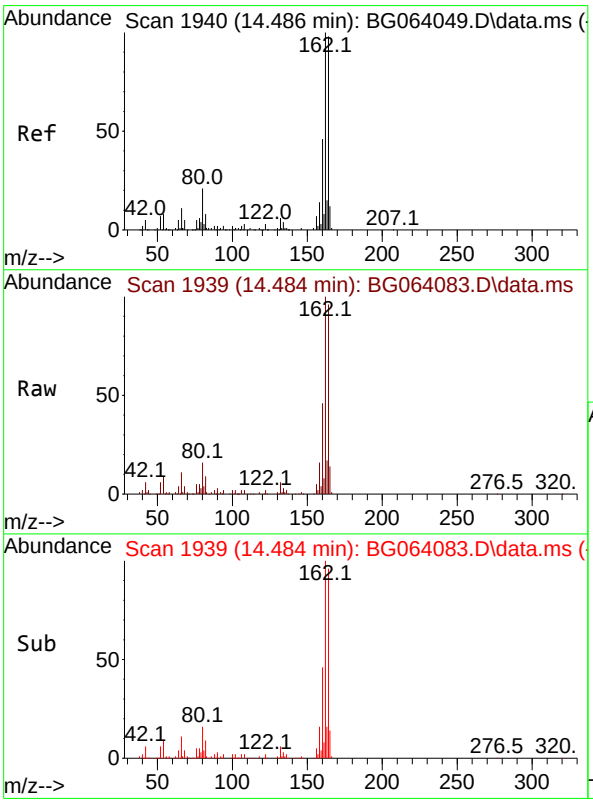
#23
Nitrobenzene-d5
Concen: 100.986 ng
RT: 9.014 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion: 82 Resp: 252088

Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.0	45.0
54	71.0	54.7	82.1

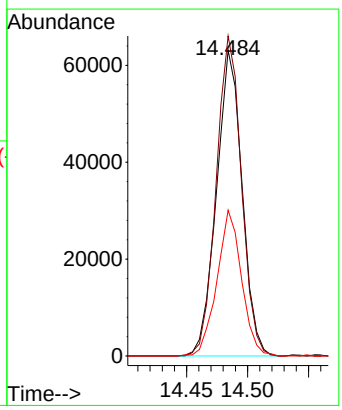


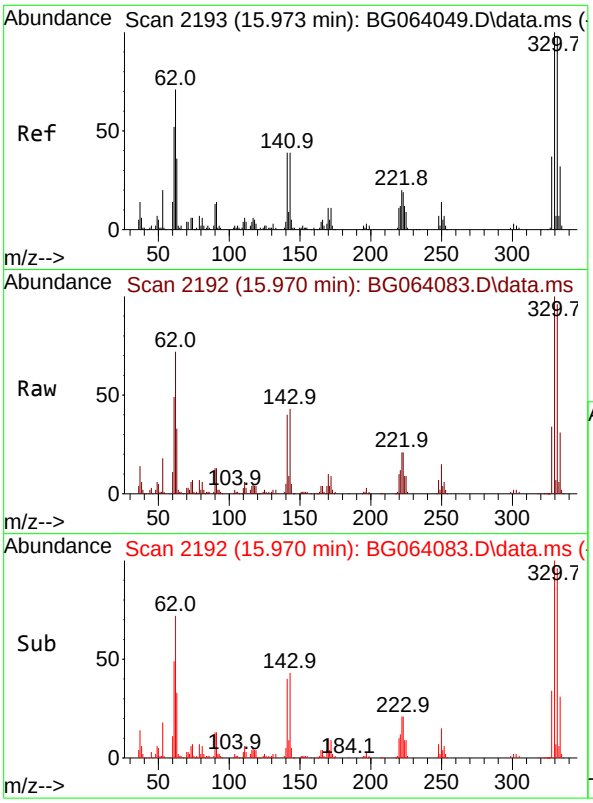


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.484 min Scan# 1939
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Tgt Ion:164 Resp: 92307

Ion	Ratio	Lower	Upper
164	100		
162	104.7	81.4	122.0
160	47.7	37.0	55.6



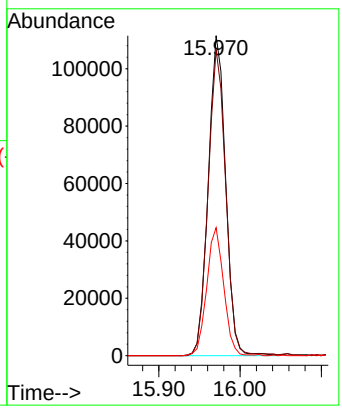


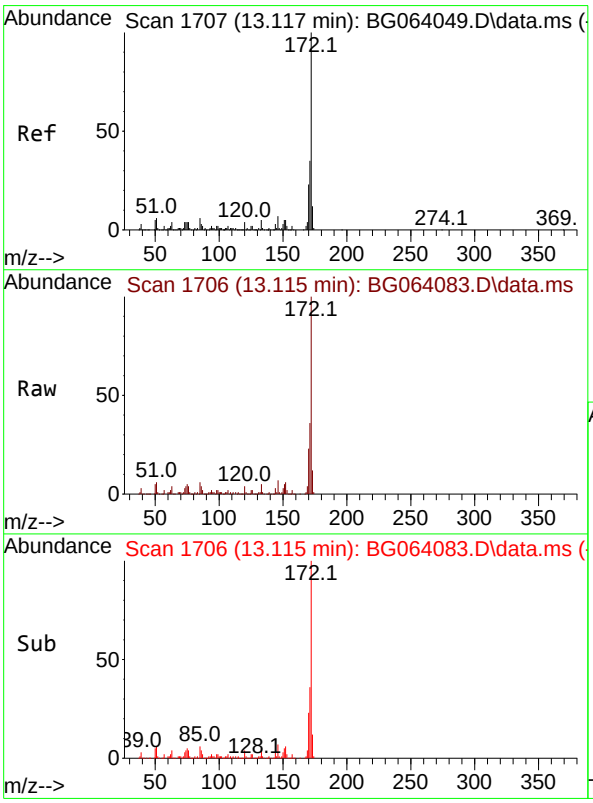
#42
2,4,6-Tribromophenol
Concen: 161.320 ng
RT: 15.970 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:330 Resp: 165524

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.7	115.1
141	39.2	29.7	44.5

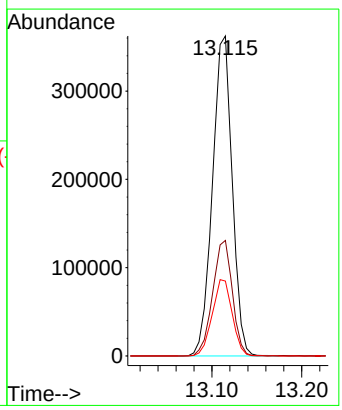


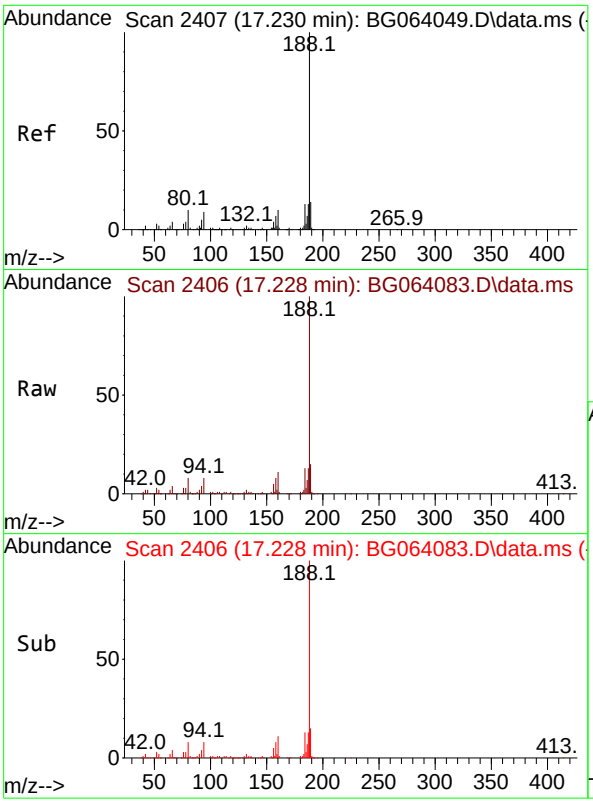


#45
2-Fluorobiphenyl
Concen: 90.847 ng
RT: 13.115 min Scan# 1706
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Tgt Ion:172 Resp: 552471

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.0	42.0
170	23.4	18.7	28.1



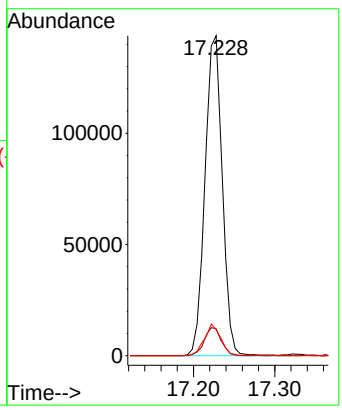


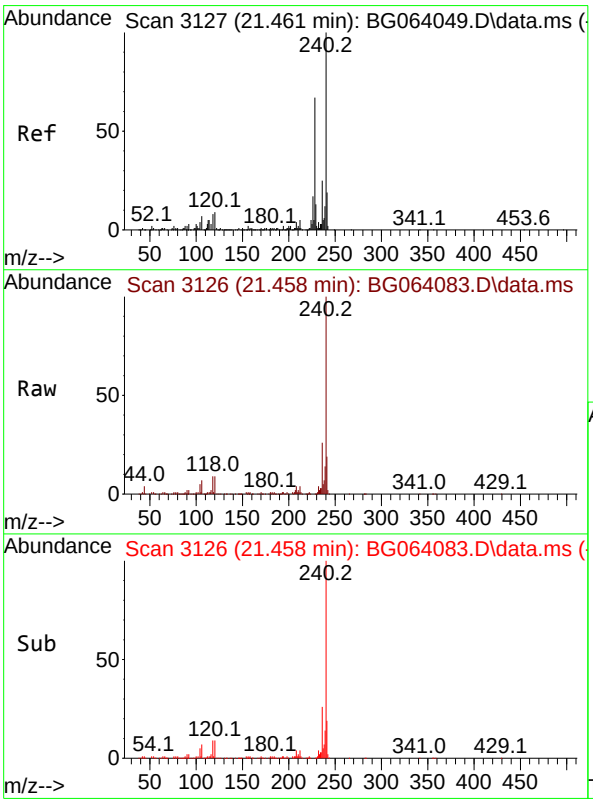
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.228 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:188 Resp: 212136

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.9	10.3
80	8.2	8.1	12.1

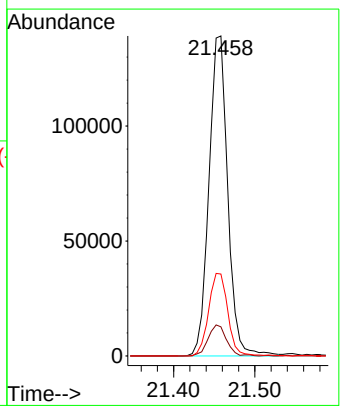


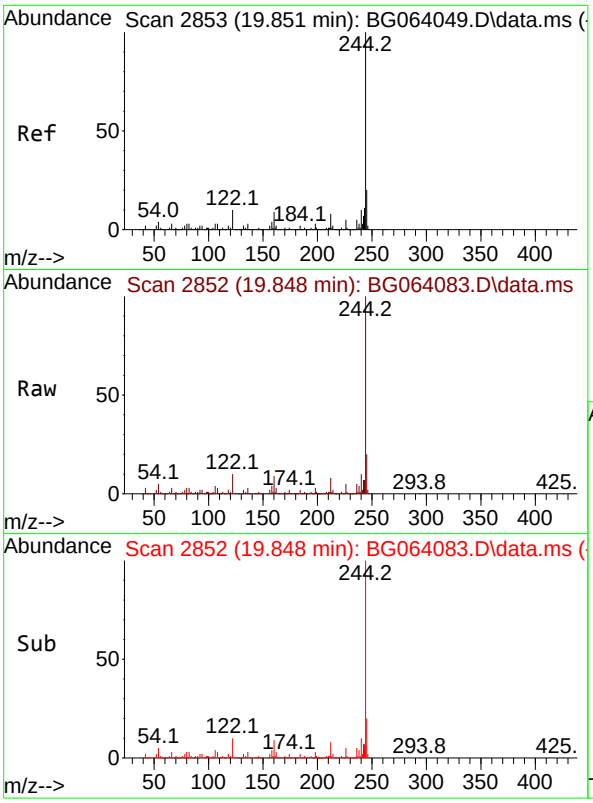


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.458 min Scan# 3126
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Tgt Ion:240 Resp: 223138

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.2	10.8
236	25.6	20.2	30.2



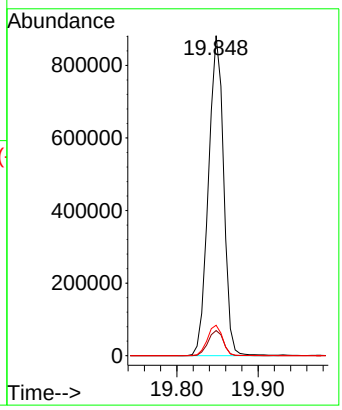


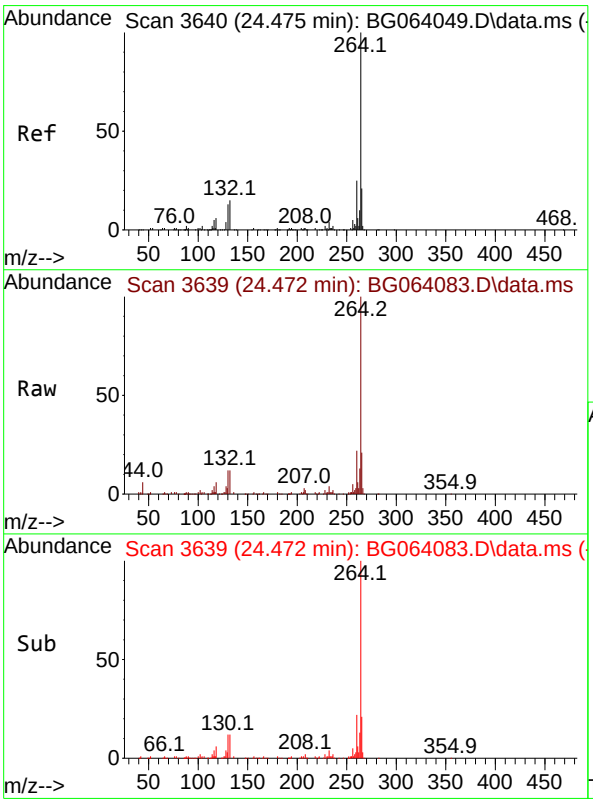
#79
Terphenyl-d14
Concen: 103.601 ng
RT: 19.848 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:244 Resp: 1143296

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.4
122	9.5	8.0	12.0

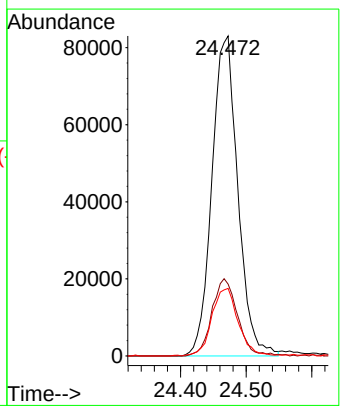




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.472 min Scan# 3639
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Tgt Ion:264 Resp: 227657

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.6	29.4
265	21.1	16.6	25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064084.D
Acq On : 10 Mar 2025 17:05
Operator : RC/JU
Sample : Q1514-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Quant Time: Mar 10 18:48:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

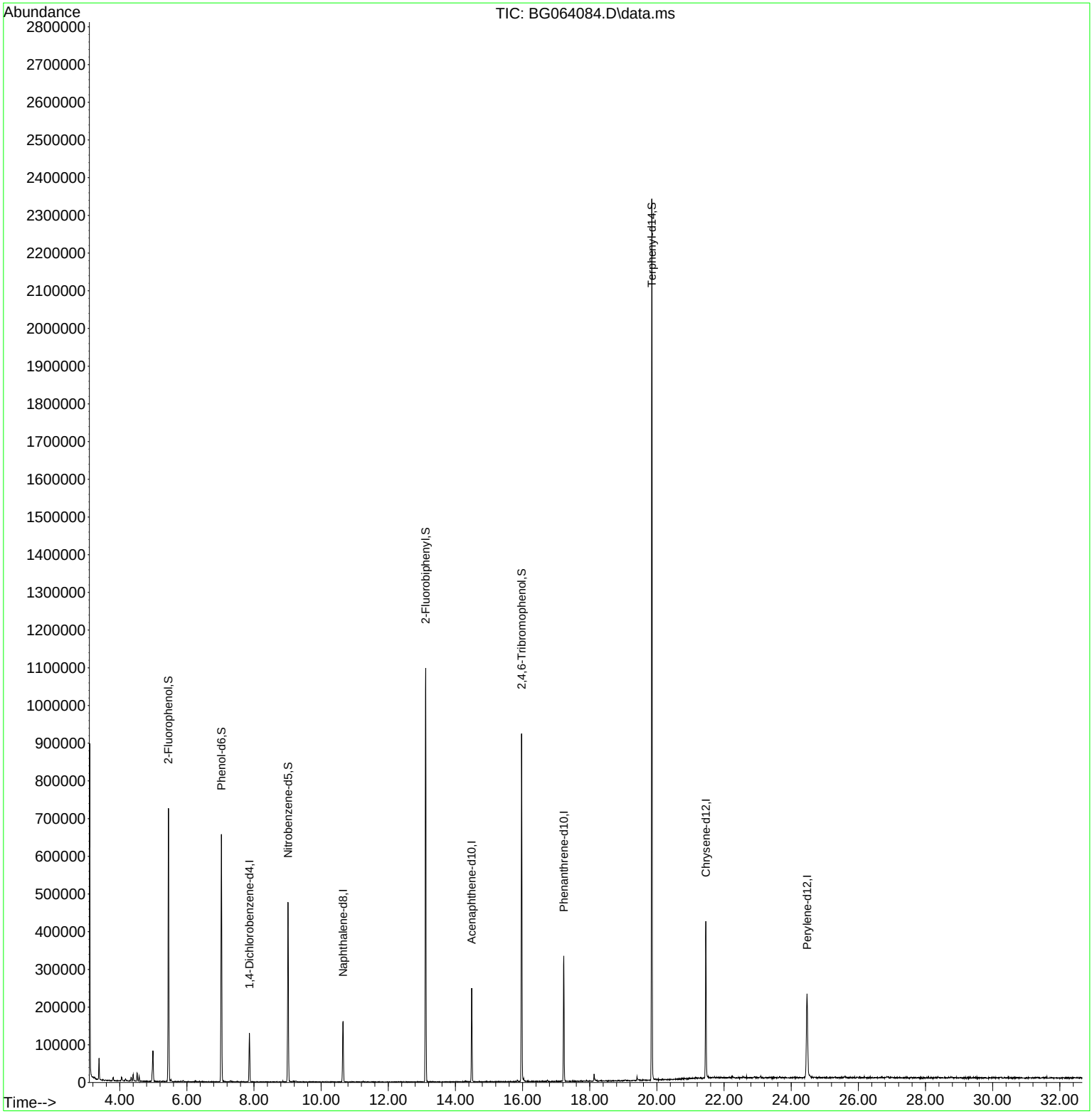
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	30932	20.000	ng	0.00
21) Naphthalene-d8	10.652	136	125637	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	82477	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	191417	20.000	ng	0.00
76) Chrysene-d12	21.457	240	227681	20.000	ng	0.00
86) Perylene-d12	24.471	264	219074	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	267735	135.152	ng	0.00
7) Phenol-d6	7.027	99	315291	116.995	ng	0.00
23) Nitrobenzene-d5	9.012	82	239394	105.298	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	148397	161.866	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	517675	95.271	ng	0.00
79) Terphenyl-d14	19.853	244	1137545	101.023	ng	0.00
Target Compounds						Qvalue

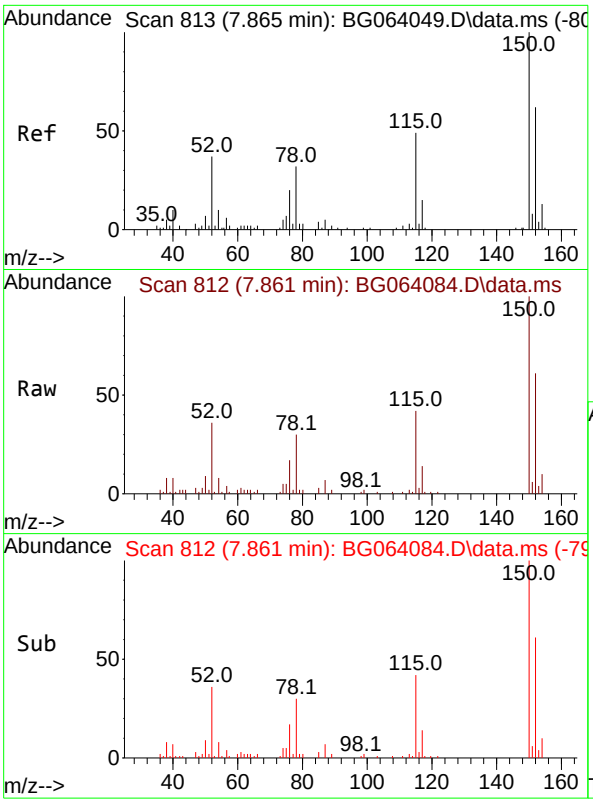
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064084.D
Acq On : 10 Mar 2025 17:05
Operator : RC/JU
Sample : Q1514-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Quant Time: Mar 10 18:48:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



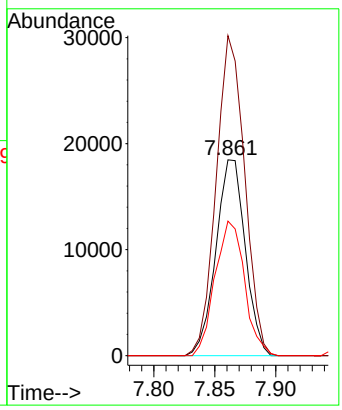


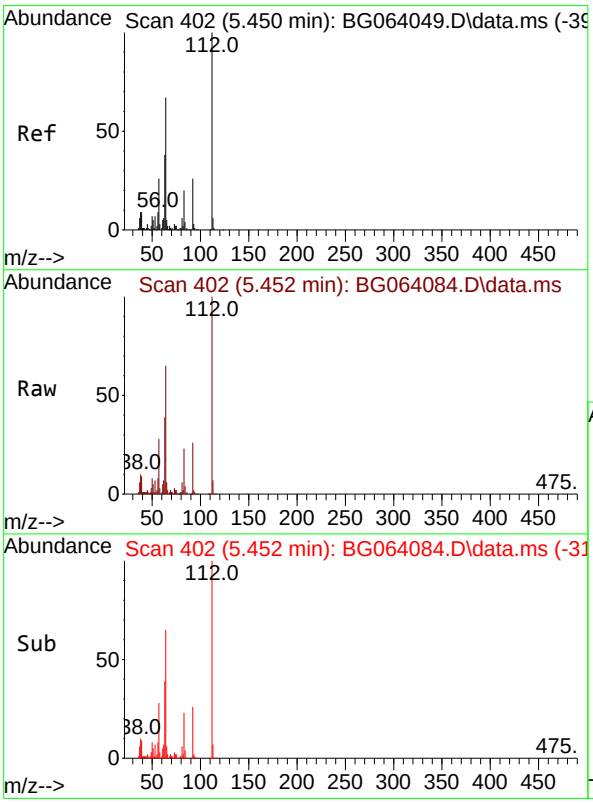
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Tgt Ion:152 Resp: 30932

Ion	Ratio	Lower	Upper
152	100		
150	163.4	129.2	193.8
115	68.7	63.0	94.6

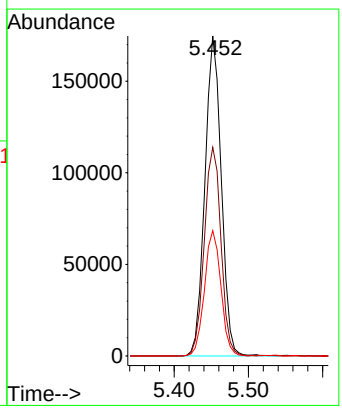


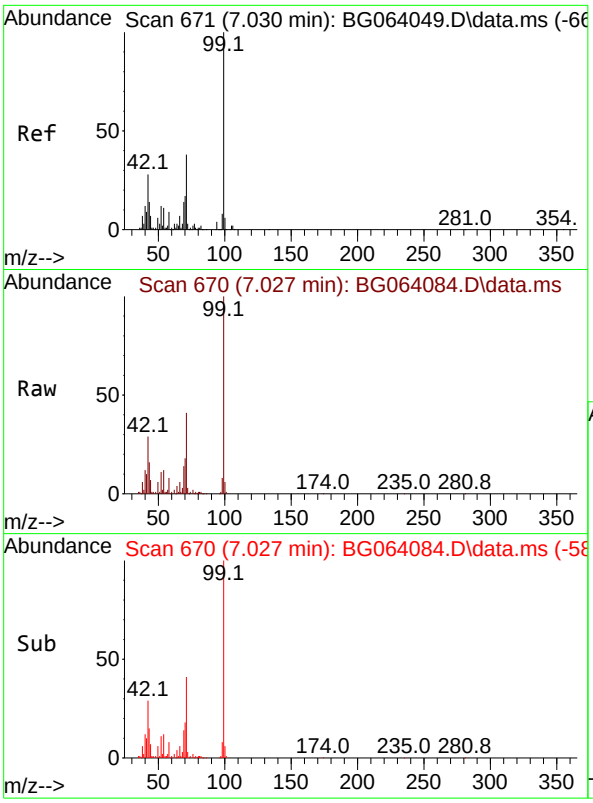


#5
2-Fluorophenol
Concen: 135.152 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Tgt Ion:112 Resp: 267735

Ion	Ratio	Lower	Upper
112	100		
64	65.2	53.7	80.5
63	39.1	30.2	45.4



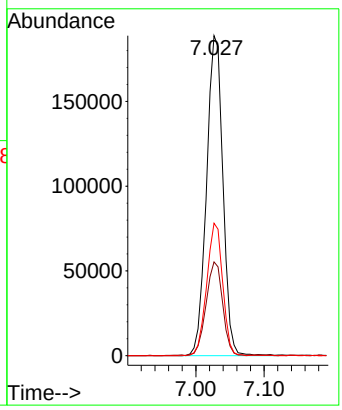


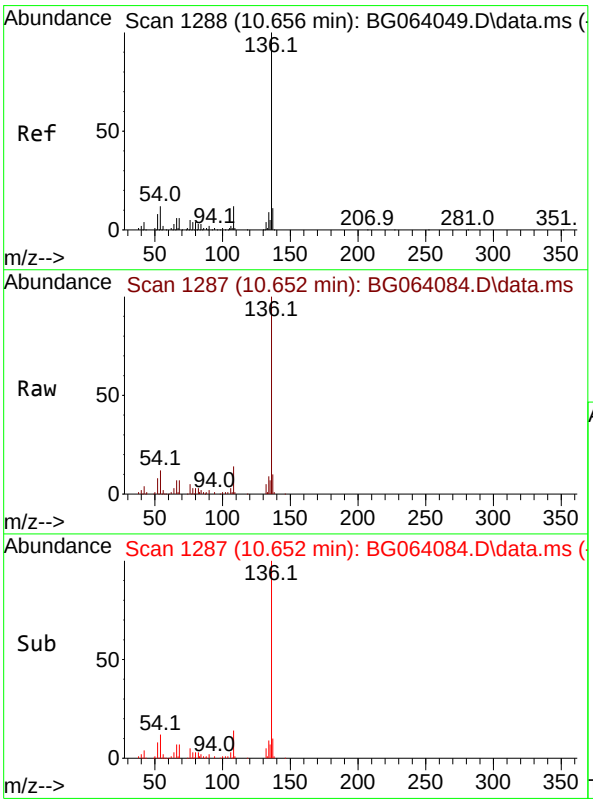
#7
Phenol-d6
Concen: 116.995 ng
RT: 7.027 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Tgt Ion: 99 Resp: 315291

Ion	Ratio	Lower	Upper
99	100		
42	29.3	22.7	34.1
71	41.4	30.6	46.0

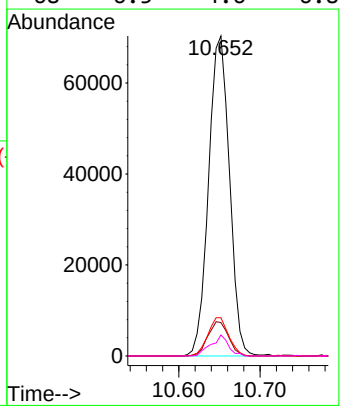


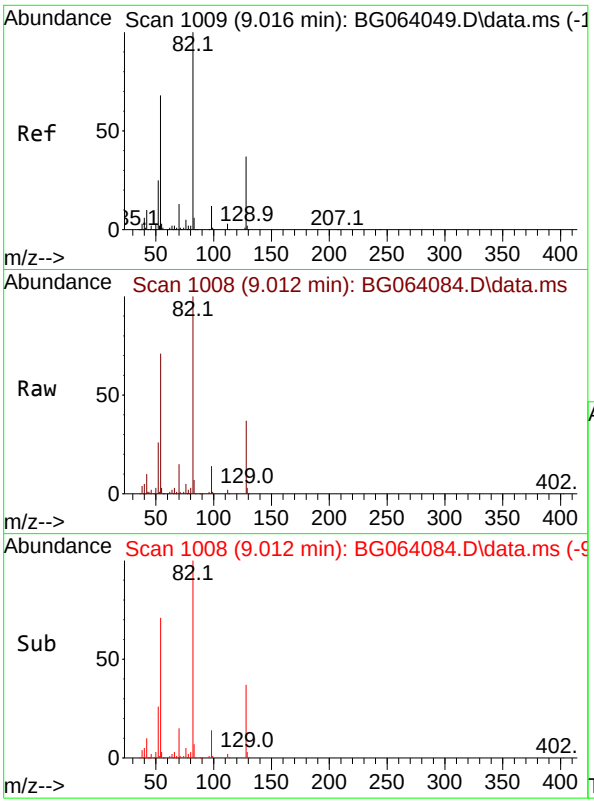


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1287
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Tgt Ion:136 Resp: 125637

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	12.0	9.9	14.9
68	6.5	4.6	6.8



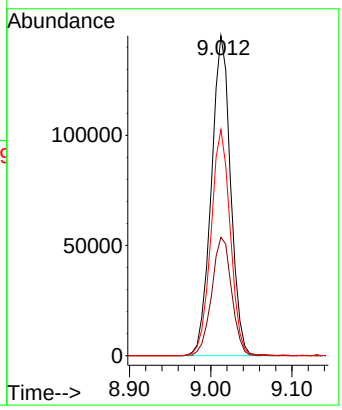


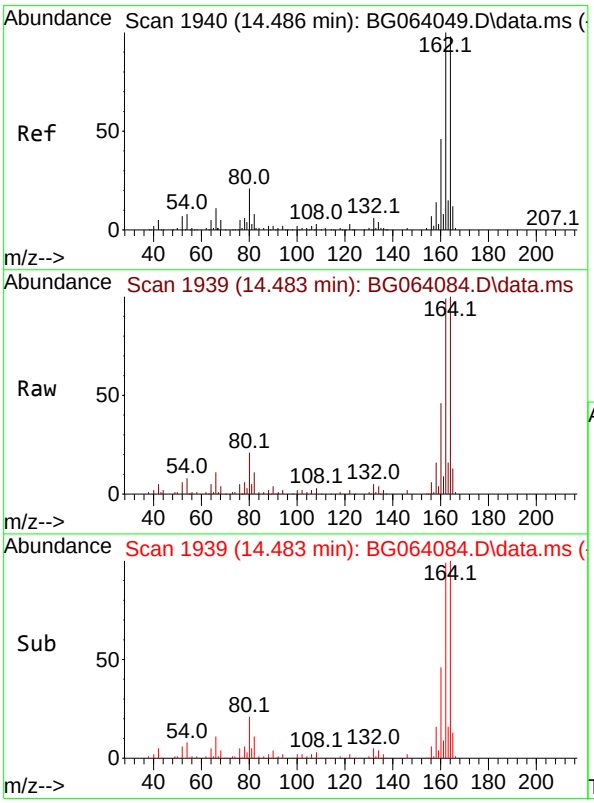
#23
Nitrobenzene-d5
Concen: 105.298 ng
RT: 9.012 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Tgt Ion: 82 Resp: 239394

Ion	Ratio	Lower	Upper
82	100		
128	37.0	30.0	45.0
54	70.6	54.7	82.1

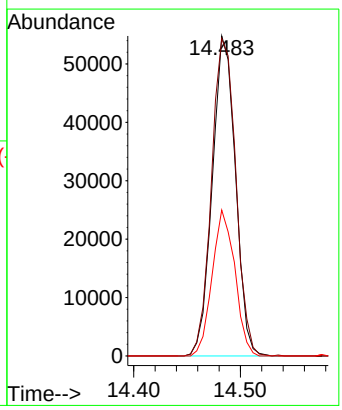


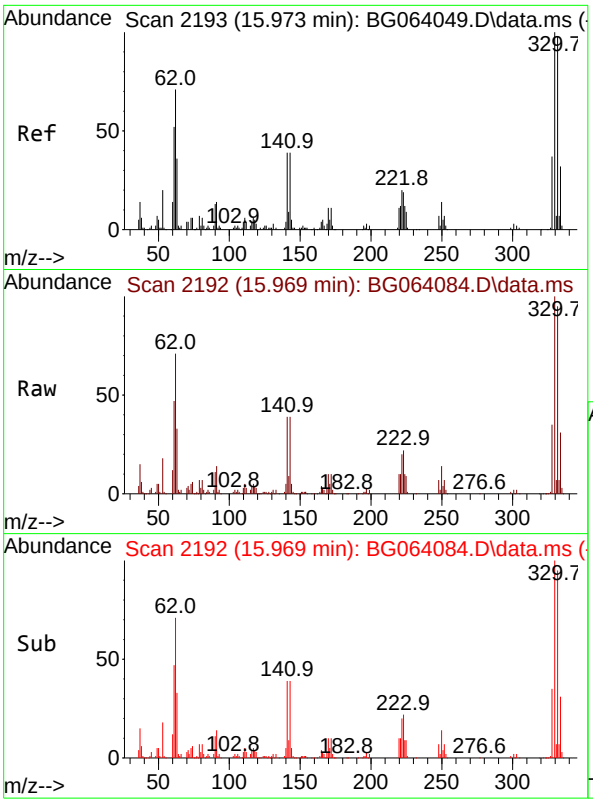


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Tgt Ion:164 Resp: 82477

Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.4	122.0
160	45.6	37.0	55.6



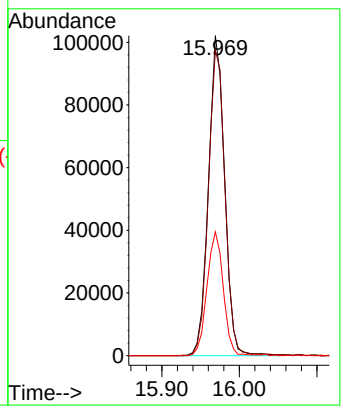


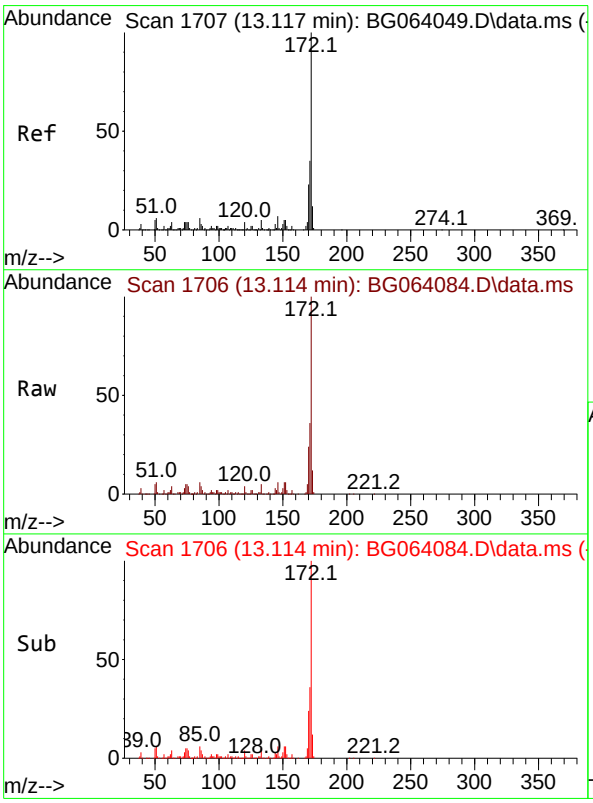
#42
2,4,6-Tribromophenol
Concen: 161.866 ng
RT: 15.969 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Tgt Ion:330 Resp: 148397

Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.7	115.1
141	38.9	29.7	44.5

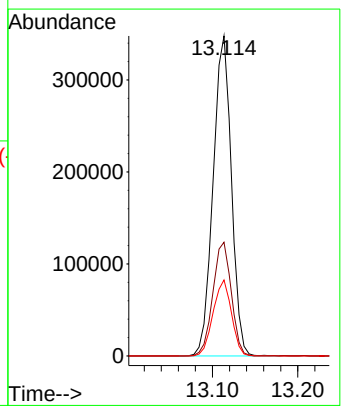


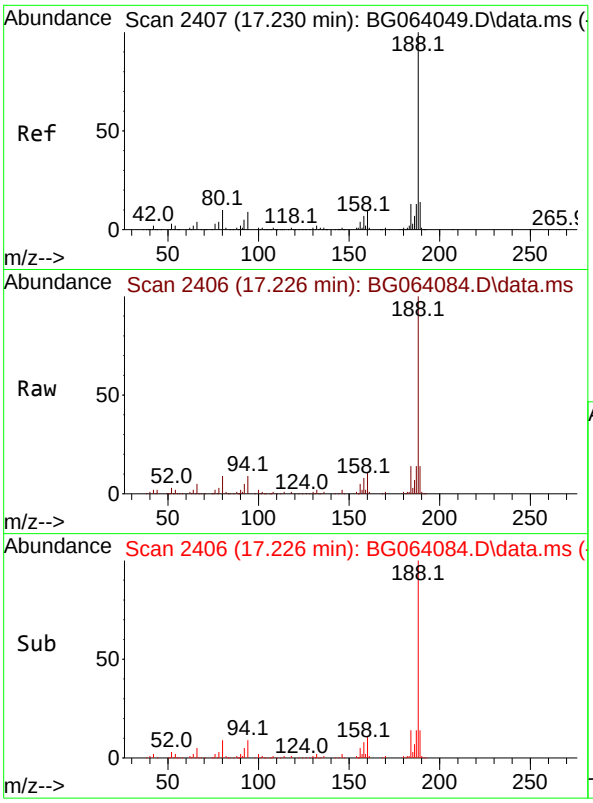


#45
2-Fluorobiphenyl
Concen: 95.271 ng
RT: 13.114 min Scan# 1706
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Tgt Ion:172 Resp: 517675

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.0	42.0
170	23.7	18.7	28.1



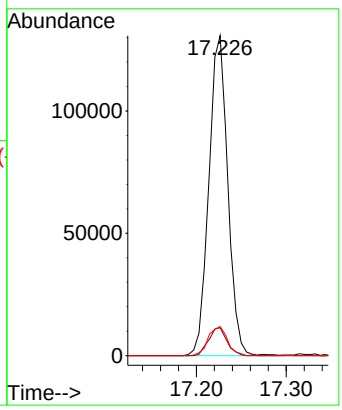


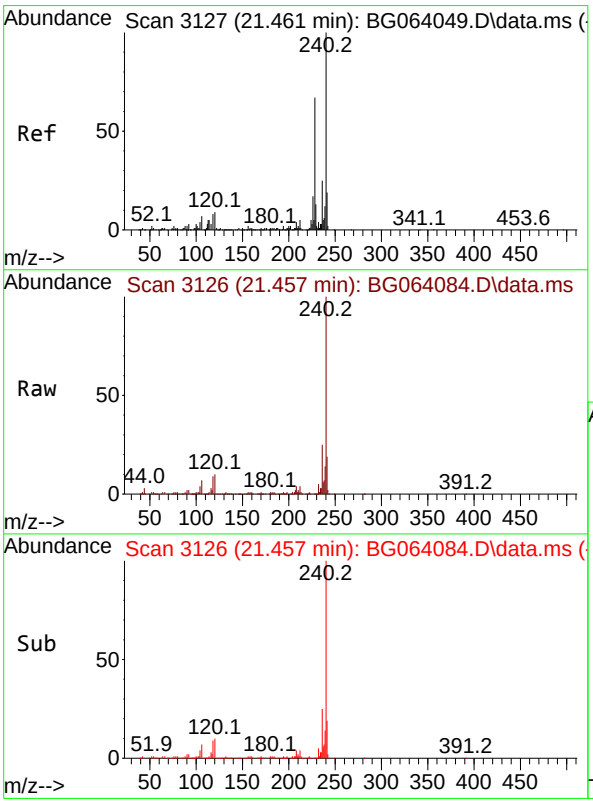
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.226 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Tgt Ion:188 Resp: 191417

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	9.1	8.1	12.1

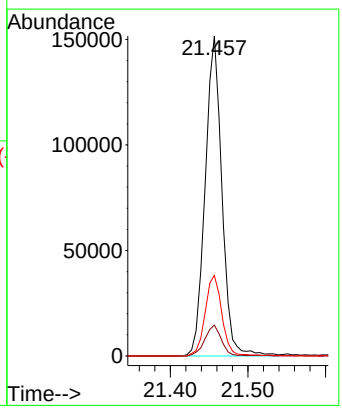


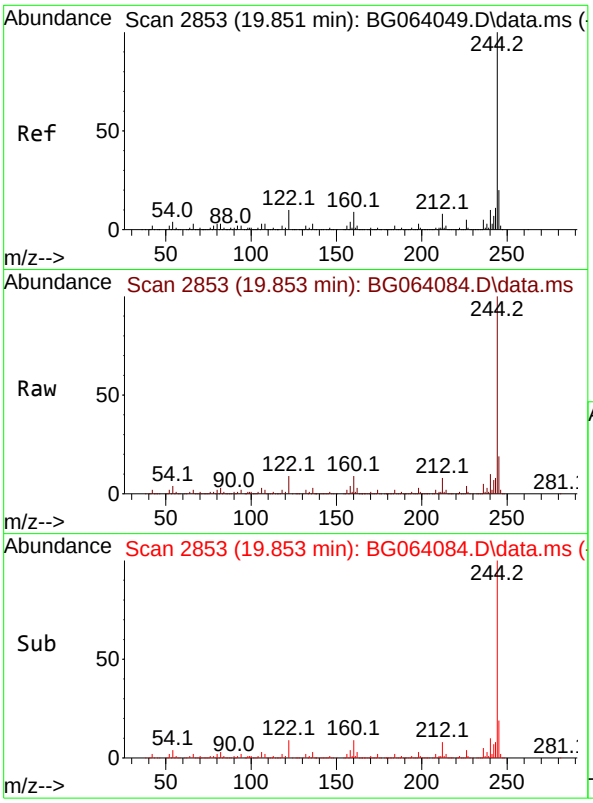


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Tgt Ion:240 Resp: 227681

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.2	10.8
236	25.2	20.2	30.2



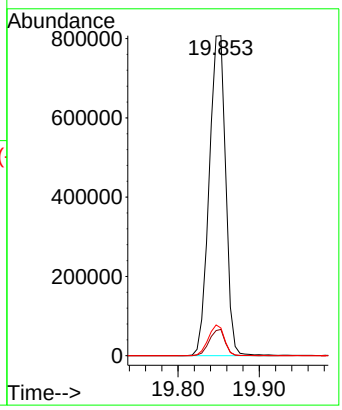


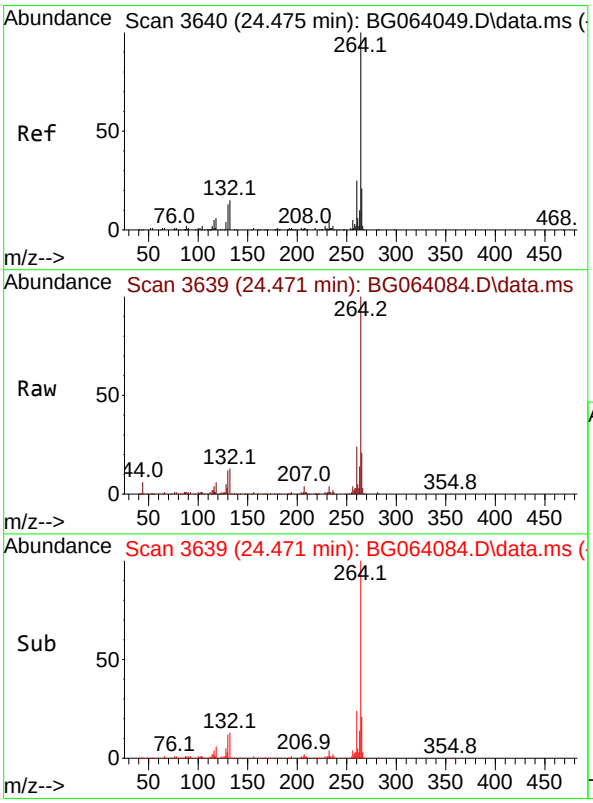
#79
Terphenyl-d14
Concen: 101.023 ng
RT: 19.853 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Tgt Ion:244 Resp: 1137545

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.4
122	8.6	8.0	12.0

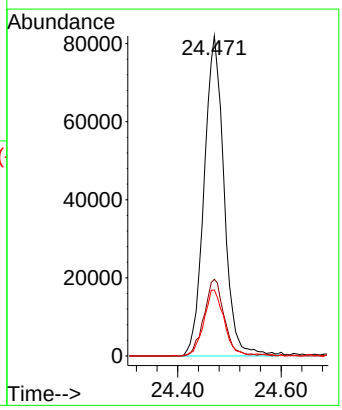




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.471 min Scan# 3639
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Tgt Ion:264 Resp: 219074

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	20.6	16.6	25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064074.D
Acq On : 10 Mar 2025 10:03
Operator : RC/JU
Sample : PB167035BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Quant Time: Mar 10 11:45:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

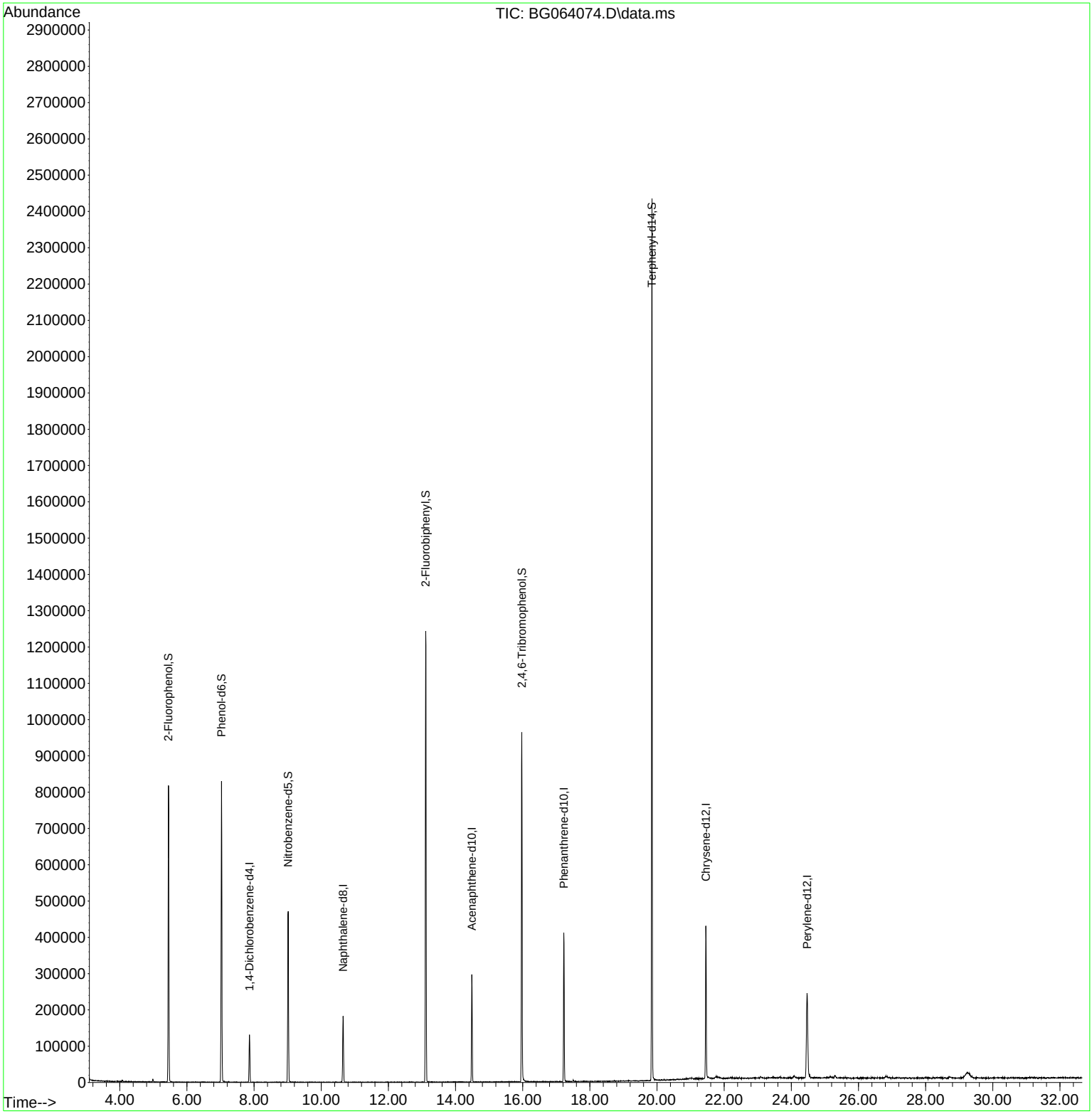
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	32741	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	140985	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	98023	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	230921	20.000	ng	0.00
76) Chrysene-d12	21.454	240	233034	20.000	ng	0.00
86) Perylene-d12	24.468	264	246222	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.449	112	297876	142.060	ng	0.00
7) Phenol-d6	7.030	99	386605	135.531	ng	0.00
23) Nitrobenzene-d5	9.016	82	247498	97.012	ng	0.00
42) 2,4,6-Tribromophenol	15.972	330	163199	149.780	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	611388	94.673	ng	0.00
79) Terphenyl-d14	19.850	244	1126387	97.735	ng	0.00
Target Compounds						Qvalue

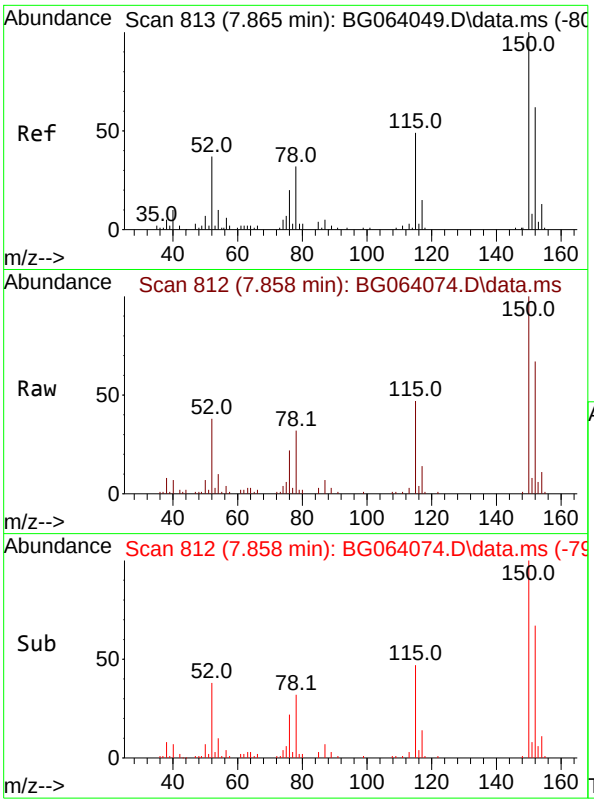
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064074.D
Acq On : 10 Mar 2025 10:03
Operator : RC/JU
Sample : PB167035BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Quant Time: Mar 10 11:45:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



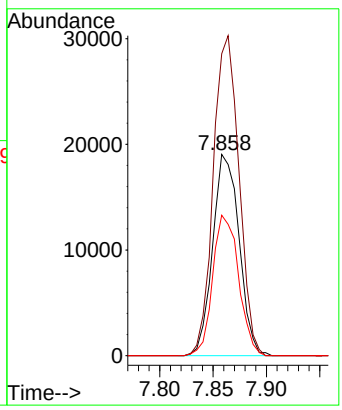


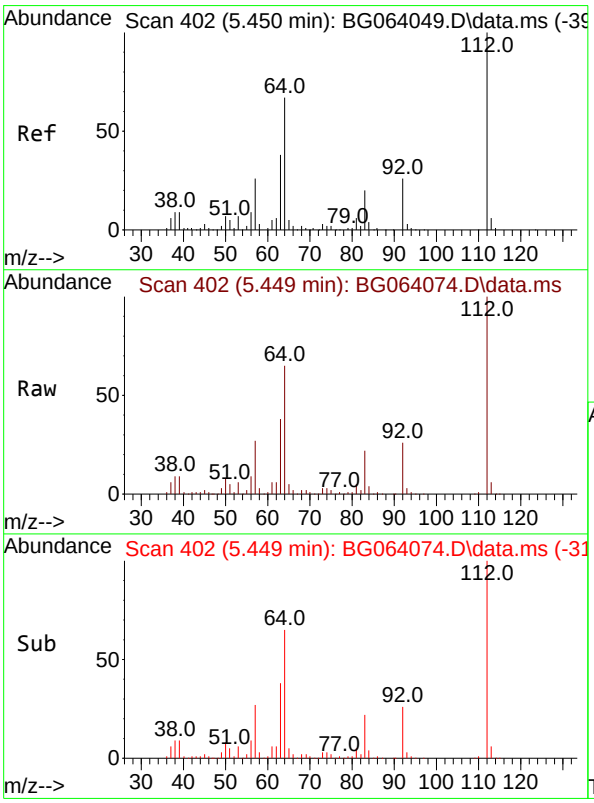
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion:152 Resp: 32741

Ion	Ratio	Lower	Upper
152	100		
150	150.1	129.2	193.8
115	69.8	63.0	94.6

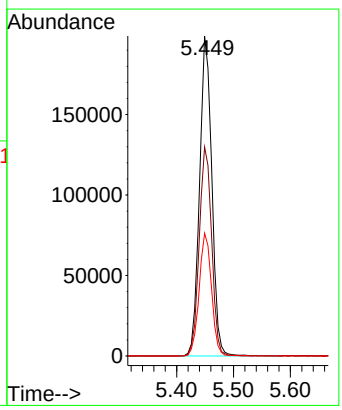


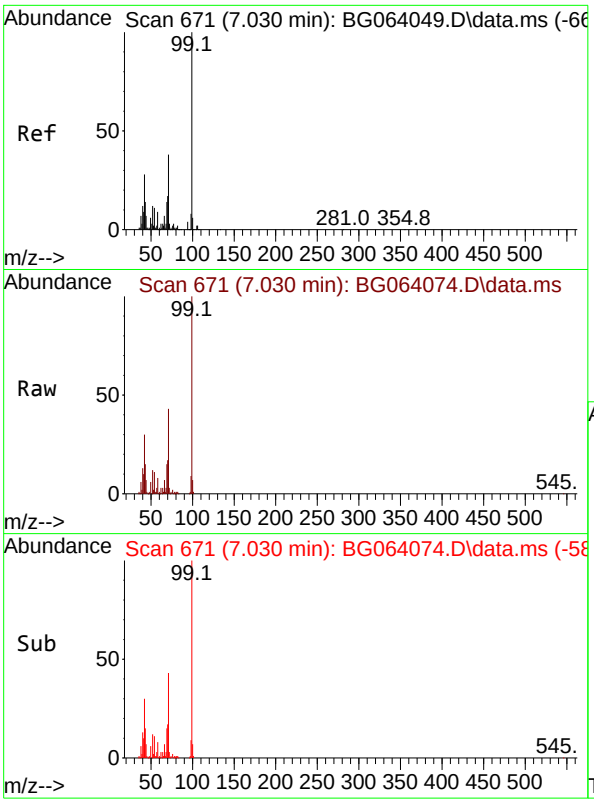


#5
2-Fluorophenol
Concen: 142.060 ng
RT: 5.449 min Scan# 402
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:112 Resp: 297876

Ion	Ratio	Lower	Upper
112	100		
64	65.3	53.7	80.5
63	38.3	30.2	45.4



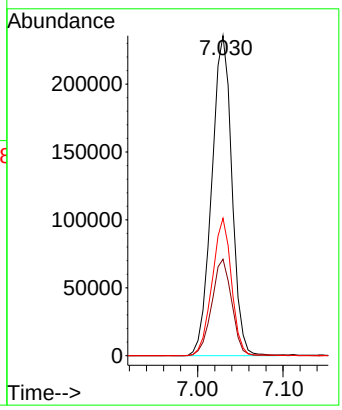


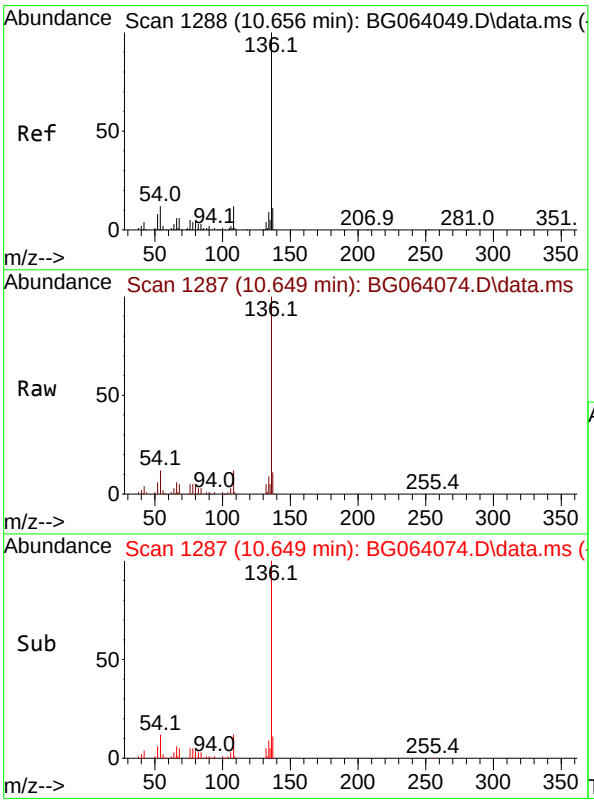
#7
Phenol-d6
Concen: 135.531 ng
RT: 7.030 min Scan# 6
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion: 99 Resp: 386605

Ion	Ratio	Lower	Upper
99	100		
42	30.2	22.7	34.1
71	42.9	30.6	46.0

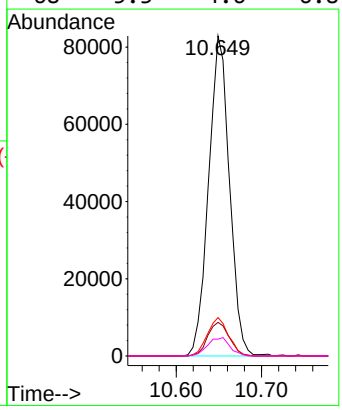


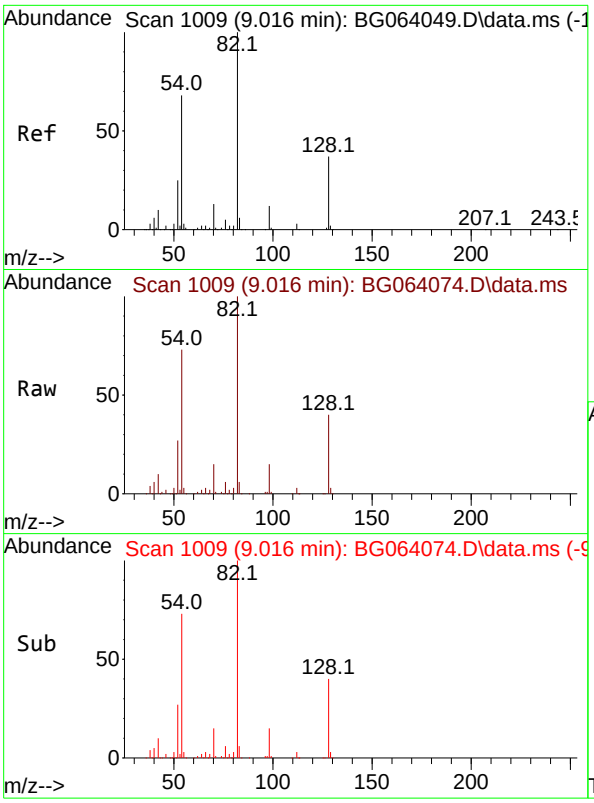


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:136 Resp: 140985

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	12.0	9.9	14.9
68	5.3	4.6	6.8



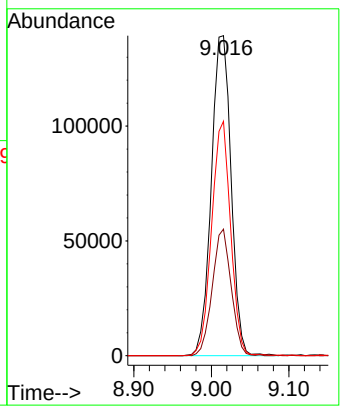


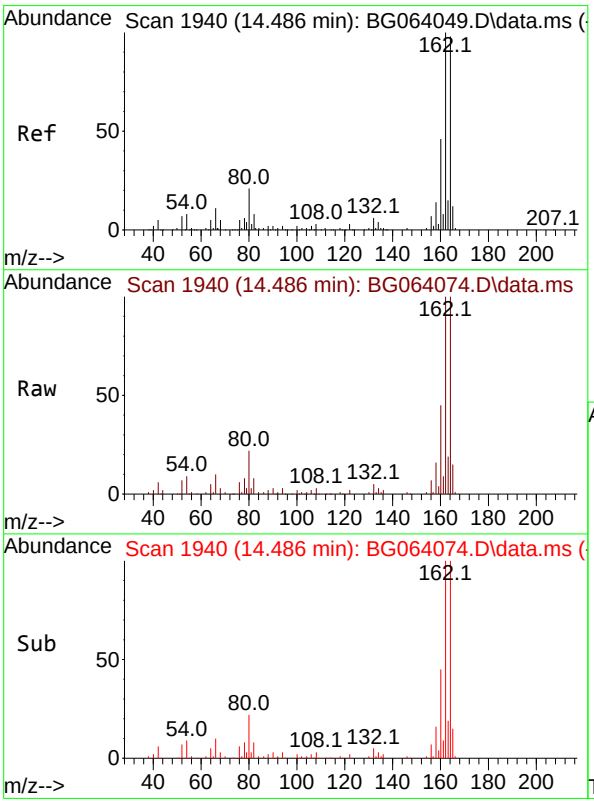
#23
Nitrobenzene-d5
Concen: 97.012 ng
RT: 9.016 min Scan# 1(
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion: 82 Resp: 247498

Ion	Ratio	Lower	Upper
82	100		
128	39.5	30.0	45.0
54	73.2	54.7	82.1

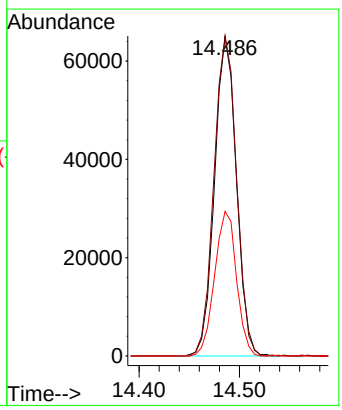


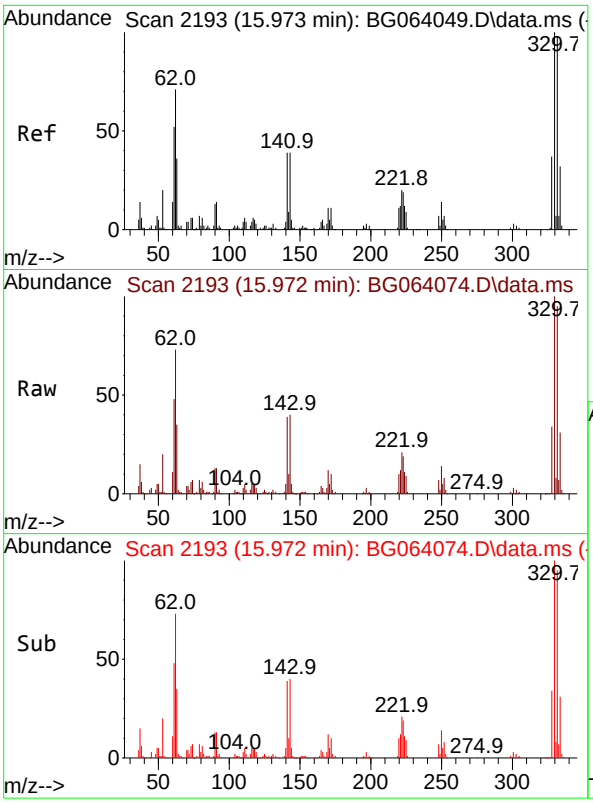


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:164 Resp: 98023

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.4	122.0
160	45.4	37.0	55.6



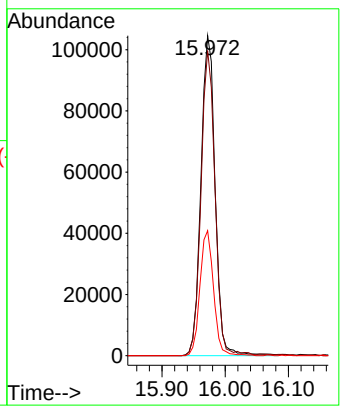


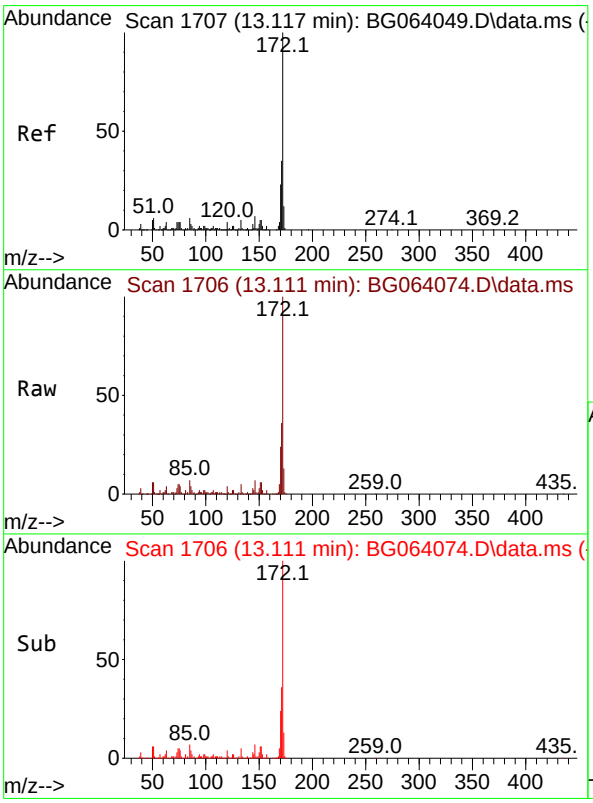
#42
2,4,6-Tribromophenol
Concen: 149.780 ng
RT: 15.972 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion:330 Resp: 163199

Ion	Ratio	Lower	Upper
330	100		
332	94.1	76.7	115.1
141	37.4	29.7	44.5

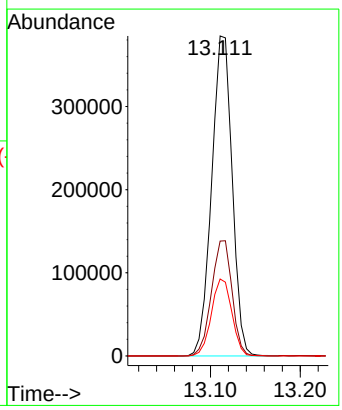


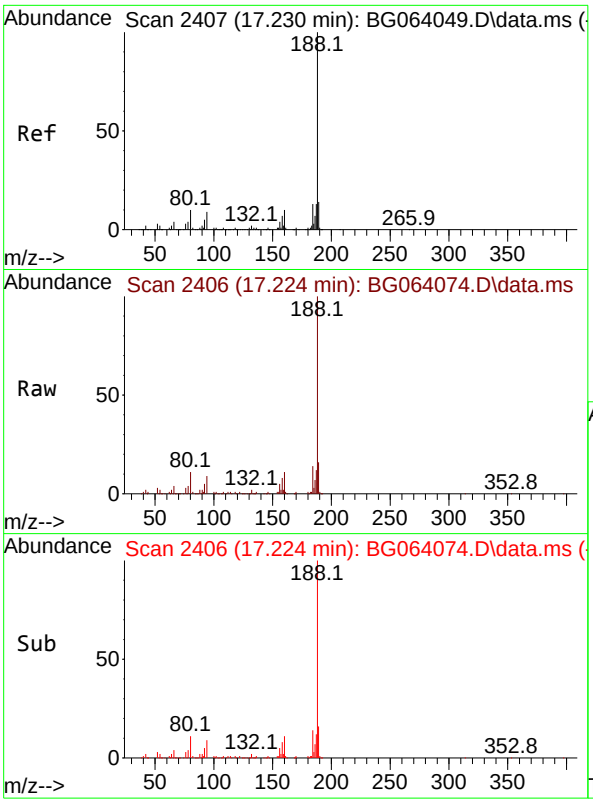


#45
2-Fluorobiphenyl
Concen: 94.673 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:172 Resp: 611388

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.0	42.0
170	24.1	18.7	28.1



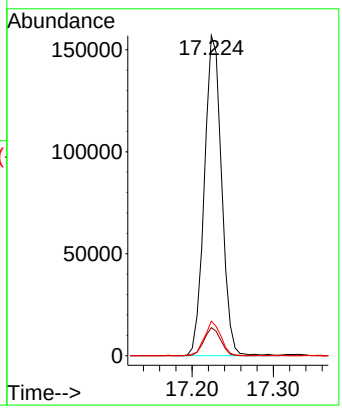


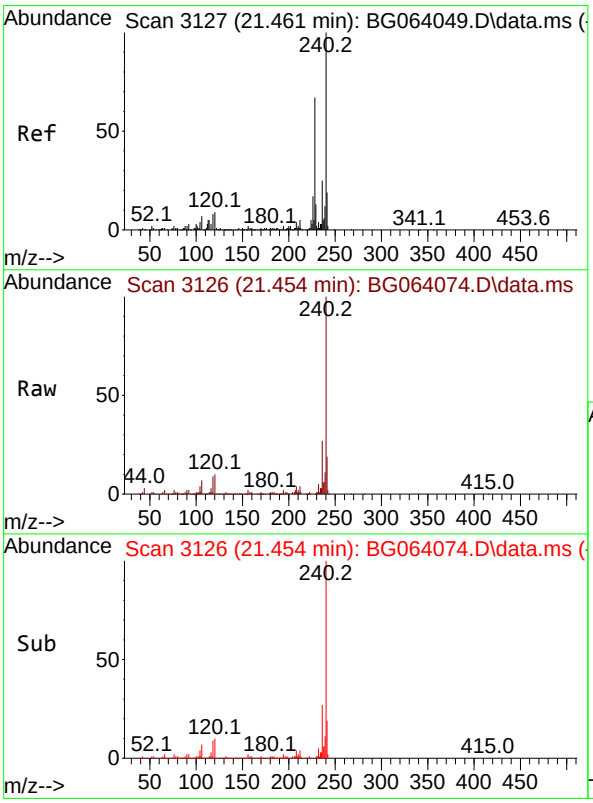
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion:188 Resp: 230921

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	10.8	8.1	12.1

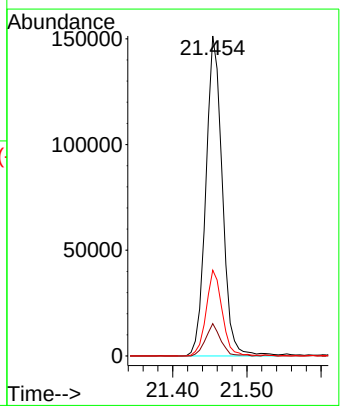


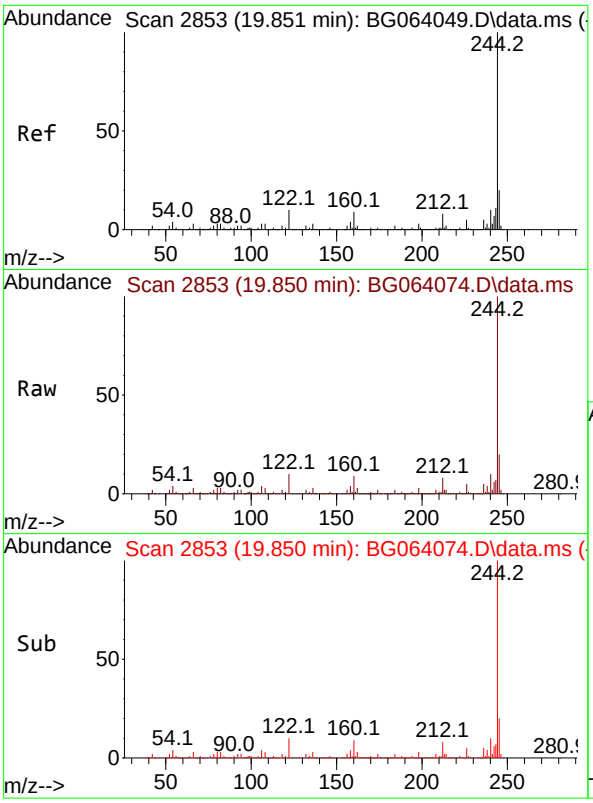


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:240 Resp: 233034

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.2	10.8
236	26.8	20.2	30.2



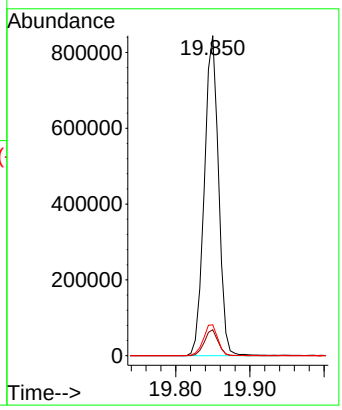


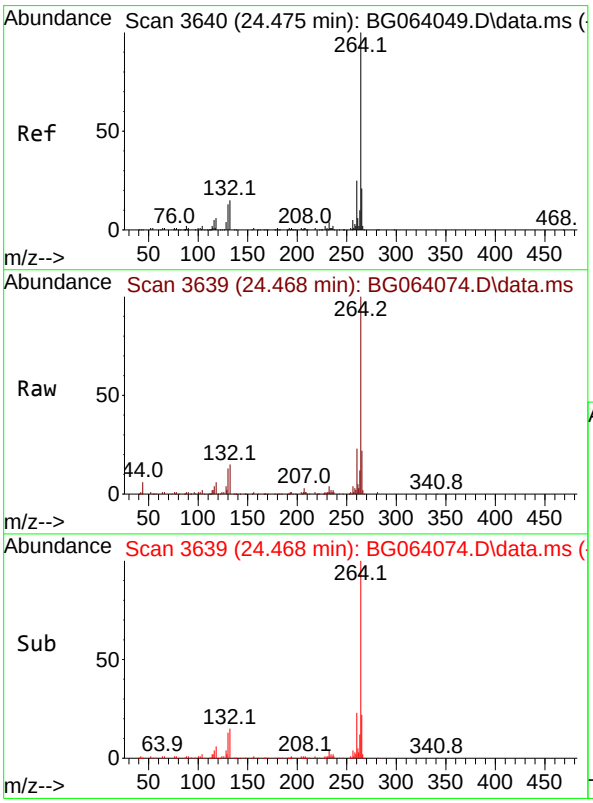
#79
Terphenyl-d14
Concen: 97.735 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion:244 Resp: 1126387

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	9.7	8.0	12.0

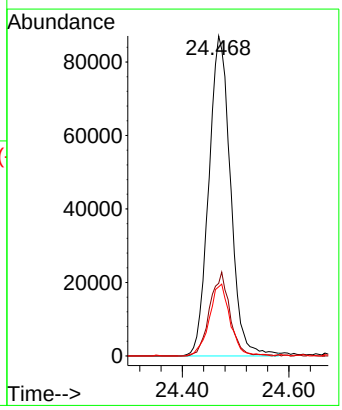




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3639
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:264 Resp: 246222

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.6	29.4
265	21.6	16.6	25.0



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064075.D
Acq On : 10 Mar 2025 10:44
Operator : RC/JU
Sample : PB167035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 10 12:22:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.862	152	35194	20.000	ng		# 0.00
21) Naphthalene-d8	10.647	136	154810	20.000	ng		0.00
39) Acenaphthene-d10	14.484	164	106817	20.000	ng		0.00
64) Phenanthrene-d10	17.228	188	235208	20.000	ng		0.00
76) Chrysene-d12	21.458	240	237204	20.000	ng		0.00
86) Perylene-d12	24.472	264	255311	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.453	112	312176	138.503	ng		0.00
7) Phenol-d6	7.034	99	419514	136.817	ng		0.00
23) Nitrobenzene-d5	9.014	82	271257	96.830	ng		0.00
42) 2,4,6-Tribromophenol	15.976	330	182401	153.621	ng		0.00
45) 2-Fluorobiphenyl	13.115	172	652866	92.773	ng		0.00
79) Terphenyl-d14	19.848	244	1140903	97.254	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.367	88	39346	38.518	ng		94
3) Pyridine	3.749	79	97422	39.216	ng		98
4) n-Nitrosodimethylamine	3.667	42	84337	47.515	ng	#	96
6) Aniline	7.192	93	112017	37.230	ng		98
8) 2-Chlorophenol	7.427	128	107800	44.532	ng		98
9) Benzaldehyde	6.998	77	38322m	21.489	ng		
10) Phenol	7.057	94	140681	44.812	ng		95
11) bis(2-Chloroethyl)ether	7.286	93	99871	40.578	ng		100
12) 1,3-Dichlorobenzene	7.756	146	108395	40.776	ng		97
13) 1,4-Dichlorobenzene	7.897	146	112149	41.159	ng		99
14) 1,2-Dichlorobenzene	8.215	146	108249	41.200	ng		97
15) Benzyl Alcohol	8.097	79	106765	45.059	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.385	45	230210m	41.598	ng		
17) 2-Methylphenol	8.303	107	94962	45.577	ng		97
18) Hexachloroethane	8.943	117	42241	44.309	ng		98
19) n-Nitroso-di-n-propyla...	8.667	70	88518	41.135	ng		96
20) 3+4-Methylphenols	8.626	107	132073	46.044	ng		91
22) Acetophenone	8.679	105	192747	45.410	ng	#	99
24) Nitrobenzene	9.055	77	129434	44.708	ng		96
25) Isophorone	9.578	82	242957	43.330	ng		96
26) 2-Nitrophenol	9.766	139	45482	45.930	ng		95
27) 2,4-Dimethylphenol	9.825	122	98186	58.412	ng		93
28) bis(2-Chloroethoxy)met...	10.065	93	141763	41.702	ng		98
29) 2,4-Dichlorophenol	10.295	162	100351	47.279	ng		97
30) 1,2,4-Trichlorobenzene	10.518	180	107016	41.766	ng		98
31) Naphthalene	10.700	128	346205	41.473	ng		99
32) Benzoic acid	9.971	122	68746m	45.164	ng		
33) 4-Chloroaniline	10.806	127	59743	19.581	ng		97
34) Hexachlorobutadiene	10.994	225	72884	43.397	ng		97
35) Caprolactam	11.570	113	41781m	51.367	ng		
36) 4-Chloro-3-methylphenol	11.928	107	124775	44.847	ng		99
37) 2-Methylnaphthalene	12.310	142	244676	41.518	ng		97
38) 1-Methylnaphthalene	12.527	142	241268	41.788	ng		98
40) 1,2,4,5-Tetrachloroben...	12.680	216	142467	46.717	ng	#	96
41) Hexachlorocyclopentadiene	12.662	237	161060	187.650	ng		99
43) 2,4,6-Trichlorophenol	12.915	196	90250	50.214	ng		93

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064075.D
Acq On : 10 Mar 2025 10:44
Operator : RC/JU
Sample : PB167035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 10 12:22:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.986	196	97202	48.673	ng		97
46)	1,1'-Biphenyl	13.320	154	393645	48.778	ng		99
47)	2-Chloronaphthalene	13.362	162	259563	44.100	ng		99
48)	2-Nitroaniline	13.561	65	91303	46.946	ng		94
49)	Acenaphthylene	14.208	152	423420	45.482	ng		100
50)	Dimethylphthalate	13.949	163	337492	42.802	ng		100
51)	2,6-Dinitrotoluene	14.061	165	69943	44.023	ng		98
52)	Acenaphthene	14.554	154	266063	42.585	ng		99
53)	3-Nitroaniline	14.384	138	44978	29.514	ng		99
54)	2,4-Dinitrophenol	14.595	184	60584	89.770	ng		91
55)	Dibenzofuran	14.889	168	417547	41.254	ng		100
56)	4-Nitrophenol	14.695	139	130121	101.809	ng		94
57)	2,4-Dinitrotoluene	14.848	165	102503	46.559	ng	#	97
58)	Fluorene	15.535	166	338764	42.973	ng		99
59)	2,3,4,6-Tetrachlorophenol	15.112	232	92576m	47.550	ng		
60)	Diethylphthalate	15.318	149	362756	42.379	ng		99
61)	4-Chlorophenyl-phenyle...	15.535	204	166039	42.385	ng		92
62)	4-Nitroaniline	15.553	138	75579	45.936	ng		93
63)	Azobenzene	15.823	77	371087	40.626	ng		98
65)	4,6-Dinitro-2-methylph...	15.612	198	47302	46.799	ng		89
66)	n-Nitrosodiphenylamine	15.747	169	299630	45.004	ng		99
67)	4-Bromophenyl-phenylether	16.423	248	112186	46.570	ng		92
68)	Hexachlorobenzene	16.534	284	120627	44.727	ng		95
69)	Atrazine	16.699	200	133132	67.961	ng		93
70)	Pentachlorophenol	16.881	266	153962	91.945	ng		97
71)	Phenanthrene	17.269	178	559131	44.568	ng		100
72)	Anthracene	17.363	178	576746	46.233	ng		98
73)	Carbazole	17.627	167	514613	44.184	ng		99
74)	Di-n-butylphthalate	18.203	149	619724	45.203	ng		99
75)	Fluoranthene	19.278	202	653932	43.237	ng		98
77)	Benzidine	19.460	184	190171	57.898	ng		97
78)	Pyrene	19.642	202	682286	44.621	ng		98
80)	Butylbenzylphthalate	20.541	149	267979	46.803	ng		96
81)	Benzo(a)anthracene	21.440	228	697575	45.909	ng		97
82)	3,3'-Dichlorobenzidine	21.364	252	155510	31.624	ng		98
83)	Chrysene	21.505	228	678619	44.780	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.376	149	414970	50.498	ng		98
85)	Di-n-octyl phthalate	22.521	149	710281	50.112	ng		99
87)	Indeno(1,2,3-cd)pyrene	27.874	276	806871	47.234	ng		98
88)	Benzo(b)fluoranthene	23.526	252	671571	43.511	ng		97
89)	Benzo(k)fluoranthene	23.591	252	697549	45.050	ng		98
90)	Benzo(a)pyrene	24.331	252	655055	47.655	ng		98
91)	Dibenzo(a,h)anthracene	27.939	278	675312	47.685	ng		99
92)	Benzo(g,h,i)perylene	28.932	276	632964	43.532	ng		96

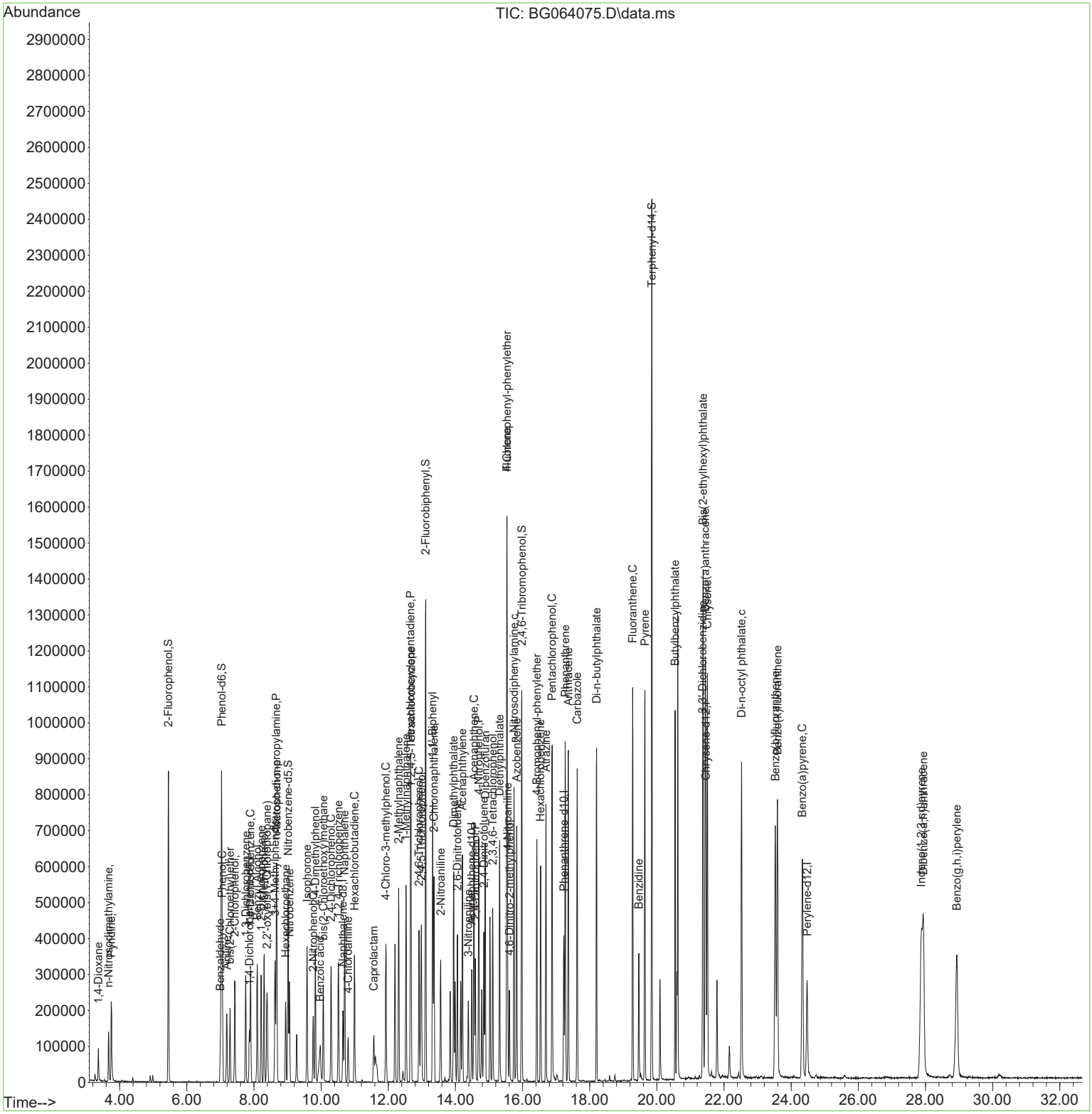
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064075.D
Acq On : 10 Mar 2025 10:44
Operator : RC/JU
Sample : PB167035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 10 12:22:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141893.D
Acq On : 07 Mar 2025 18:30
Operator : RC/JU
Sample : Q1488-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 07 21:45:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	146872	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	566046	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	296352	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	482424	20.000	ng	0.00
76) Chrysene-d12	14.045	240	376304	20.000	ng	0.00
86) Perylene-d12	15.515	264	373298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1085782	118.061	ng	0.02
7) Phenol-d6	6.510	99	1289939	107.760	ng	0.00
23) Nitrobenzene-d5	7.445	82	976810	110.305	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	507581	182.438	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1887954	102.150	ng	0.00
79) Terphenyl-d14	12.986	244	1932793	83.100	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.805	88	134944	32.337	ng	# 79
3) Pyridine	3.534	79	304229	29.301	ng	94
4) n-Nitrosodimethylamine	3.463	42	167627	33.553	ng	# 95
6) Aniline	6.551	93	271425	21.810	ng	98
8) 2-Chlorophenol	6.669	128	392071	39.409	ng	95
9) Benzaldehyde	6.440	77	82387	11.832	ng	97
10) Phenol	6.522	94	421103	32.921	ng	96
11) bis(2-Chloroethyl)ether	6.622	93	347294	35.618	ng	95
12) 1,3-Dichlorobenzene	6.828	146	403448	37.867	ng	98
13) 1,4-Dichlorobenzene	6.904	146	413101	38.481	ng	99
14) 1,2-Dichlorobenzene	7.057	146	404172	40.318	ng	98
15) Benzyl Alcohol	7.022	79	376371	39.342	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	445763	30.103	ng	94
17) 2-Methylphenol	7.134	107	327586	39.891	ng	99
18) Hexachloroethane	7.398	117	149748	37.269	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	284179	36.114	ng	98
20) 3+4-Methylphenols	7.281	107	417320	40.811	ng	97
22) Acetophenone	7.292	105	635484	46.096	ng	97
24) Nitrobenzene	7.469	77	425775	44.899	ng	96
25) Isophorone	7.704	82	779771	40.987	ng	98
26) 2-Nitrophenol	7.781	139	202530	47.827	ng	97
27) 2,4-Dimethylphenol	7.810	122	347141	49.638	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	457528	37.700	ng	99
29) 2,4-Dichlorophenol	8.016	162	345967	42.882	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	365988	41.399	ng	99
31) Naphthalene	8.187	128	1141283	39.230	ng	99
32) Benzoic acid	7.910	122	245541	43.017	ng	99
33) 4-Chloroaniline	8.234	127	117535	11.018	ng	98
34) Hexachlorobutadiene	8.304	225	232432	42.309	ng	99
35) Caprolactam	8.592	113	107829m	43.446	ng	
36) 4-Chloro-3-methylphenol	8.710	107	387917	43.283	ng	99
37) 2-Methylnaphthalene	8.875	142	769169	40.308	ng	99
38) 1-Methylnaphthalene	8.975	142	735586	40.174	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	417293	48.755	ng	100
41) Hexachlorocyclopentadiene	9.028	237	385277	107.863	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	260598	47.135	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141893.D
Acq On : 07 Mar 2025 18:30
Operator : RC/JU
Sample : Q1488-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 07 21:45:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	273305	49.921	ng		98
46) 1,1'-Biphenyl	9.339	154	1127721	49.994	ng		98
47) 2-Chloronaphthalene	9.369	162	749626	45.026	ng		99
48) 2-Nitroaniline	9.457	65	238921	52.027	ng		95
49) Acenaphthylene	9.781	152	1179845	47.266	ng		99
50) Dimethylphthalate	9.639	163	929996	46.861	ng		99
51) 2,6-Dinitrotoluene	9.698	165	202875	53.116	ng		94
52) Acenaphthene	9.951	154	846529	50.260	ng		99
53) 3-Nitroaniline	9.869	138	121880	31.242	ng	#	92
54) 2,4-Dinitrophenol	9.975	184	171206	92.918	ng	#	1
55) Dibenzofuran	10.128	168	1036351	42.274	ng		99
56) 4-Nitrophenol	10.022	139	318494	108.658	ng		95
57) 2,4-Dinitrotoluene	10.104	165	265097	56.493	ng		90
58) Fluorene	10.469	166	843493	45.934	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	231562	48.633	ng		99
60) Diethylphthalate	10.339	149	887696	44.618	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	424604	46.150	ng		98
62) 4-Nitroaniline	10.480	138	191771	56.583	ng		97
63) Azobenzene	10.622	77	828989	39.573	ng		98
65) 4,6-Dinitro-2-methylph...	10.510	198	114613	50.036	ng		88
66) n-Nitrosodiphenylamine	10.575	169	723072	45.645	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	266010	47.208	ng		96
68) Hexachlorobenzene	11.016	284	295638	49.684	ng		96
69) Atrazine	11.104	200	285547	65.549	ng		98
70) Pentachlorophenol	11.204	266	357301	94.677	ng		99
71) Phenanthrene	11.427	178	1199549	46.485	ng		99
72) Anthracene	11.480	178	1200670	46.426	ng		99
73) Carbazole	11.633	167	1040605	45.564	ng		99
74) Di-n-butylphthalate	11.963	149	1188156	41.042	ng		99
75) Fluoranthene	12.616	202	1125422	42.563	ng		96
77) Benzidine	12.733	184	358813	75.758	ng		99
78) Pyrene	12.845	202	1188284	36.467	ng		99
80) Butylbenzylphthalate	13.463	149	471966	39.865	ng		96
81) Benzo(a)anthracene	14.033	228	1131048	45.505	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	260330	36.506	ng		99
83) Chrysene	14.068	228	998763	43.591	ng		100
84) Bis(2-ethylhexyl)phtha...	14.021	149	621644	42.170	ng		99
85) Di-n-octyl phthalate	14.633	149	1101586	49.914	ng		96
87) Indeno(1,2,3-cd)pyrene	17.004	276	897282	37.748	ng	#	94
88) Benzo(b)fluoranthene	15.080	252	1178241	46.336	ng		99
89) Benzo(k)fluoranthene	15.115	252	1025295	47.439	ng		97
90) Benzo(a)pyrene	15.451	252	975022	47.812	ng		98
91) Dibenzo(a,h)anthracene	17.021	278	744676	38.380	ng	#	96
92) Benzo(g,h,i)perylene	17.451	276	665037	33.457	ng		95

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

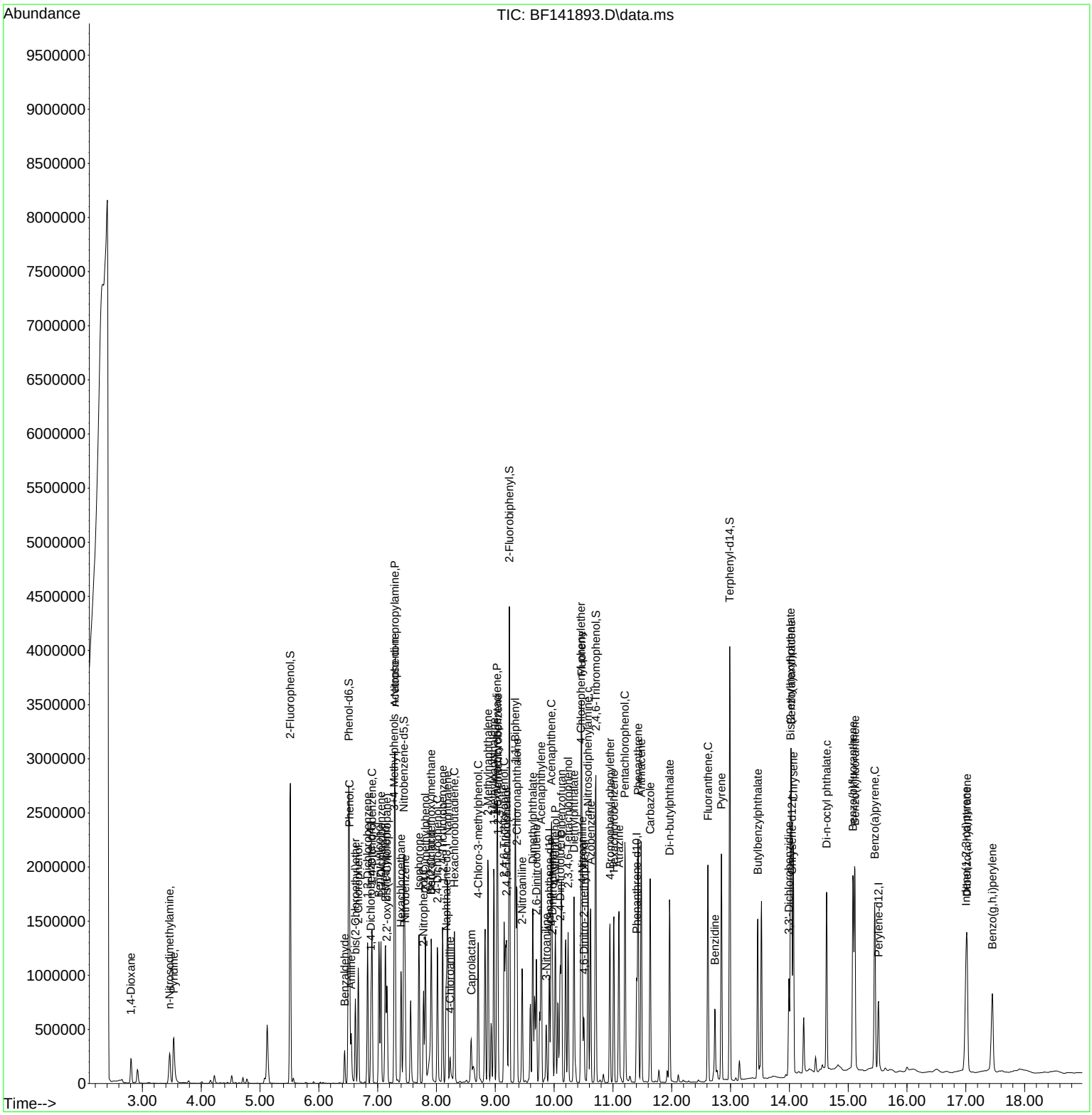
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141893.D
Acq On : 07 Mar 2025 18:30
Operator : RC/JU
Sample : Q1488-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 07 21:45:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141894.D
Acq On : 07 Mar 2025 18:59
Operator : RC/JU
Sample : Q1488-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 07 21:46:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	134345	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	510741	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	263683	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	403770	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	354164	20.000	ng	-0.01
86) Perylene-d12	15.515	264	380393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1028686	122.282	ng	0.02
7) Phenol-d6	6.510	99	1205472	110.094	ng	0.00
23) Nitrobenzene-d5	7.445	82	896395	112.185	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	432585	174.746	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1677614	102.015	ng	0.00
79) Terphenyl-d14	12.986	244	1673540	76.452	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.804	88	130927	34.300	ng	# 81
3) Pyridine	3.528	79	291474	30.690	ng	94
4) n-Nitrosodimethylamine	3.463	42	160531	35.129	ng	# 96
6) Aniline	6.551	93	254074	22.320	ng	100
8) 2-Chlorophenol	6.669	128	371175	40.787	ng	95
9) Benzaldehyde	6.439	77	75536	11.860	ng	97
10) Phenol	6.522	94	392161	33.517	ng	95
11) bis(2-Chloroethyl)ether	6.622	93	324729	36.409	ng	95
12) 1,3-Dichlorobenzene	6.828	146	367281	37.687	ng	99
13) 1,4-Dichlorobenzene	6.904	146	370754	37.756	ng	100
14) 1,2-Dichlorobenzene	7.057	146	360428	39.307	ng	99
15) Benzyl Alcohol	7.022	79	333525	38.114	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	387872	28.636	ng	94
17) 2-Methylphenol	7.134	107	290487	38.672	ng	98
18) Hexachloroethane	7.398	117	137227	37.337	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	252681	35.105	ng	98
20) 3+4-Methylphenols	7.281	107	376329	40.234	ng	96
22) Acetophenone	7.292	105	563087	45.267	ng	98
24) Nitrobenzene	7.463	77	387430	45.279	ng	99
25) Isophorone	7.704	82	691206	40.266	ng	97
26) 2-Nitrophenol	7.781	139	186144	48.633	ng	97
27) 2,4-Dimethylphenol	7.810	122	315518	50.002	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	414927	37.892	ng	99
29) 2,4-Dichlorophenol	8.016	162	316269	43.446	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	327544	41.062	ng	99
31) Naphthalene	8.186	128	1053250	40.124	ng	99
32) Benzoic acid	7.910	122	208873	40.996	ng	98
33) 4-Chloroaniline	8.233	127	110589	11.490	ng	97
34) Hexachlorobutadiene	8.304	225	209578	42.280	ng	99
35) Caprolactam	8.592	113	92720m	41.403	ng	
36) 4-Chloro-3-methylphenol	8.710	107	342009	42.293	ng	99
37) 2-Methylnaphthalene	8.875	142	668844	38.846	ng	99
38) 1-Methylnaphthalene	8.975	142	659348	39.910	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	384500	50.489	ng	99
41) Hexachlorocyclopentadiene	9.033	237	354394	111.510	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	229240	46.600	ng	99

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141894.D
Acq On : 07 Mar 2025 18:59
Operator : RC/JU
Sample : Q1488-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 07 21:46:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	245109	50.318	ng		99
46) 1,1'-Biphenyl	9.339	154	988985	49.276	ng		98
47) 2-Chloronaphthalene	9.369	162	659104	44.493	ng		99
48) 2-Nitroaniline	9.457	65	206180	50.590	ng		94
49) Acenaphthylene	9.780	152	1040851	46.864	ng		99
50) Dimethylphthalate	9.639	163	812721	46.025	ng		100
51) 2,6-Dinitrotoluene	9.698	165	175263	51.654	ng		94
52) Acenaphthene	9.951	154	722307	48.198	ng		98
53) 3-Nitroaniline	9.869	138	97436	28.372	ng	#	95
54) 2,4-Dinitrophenol	9.975	184	137236	86.130	ng	#	1
55) Dibenzofuran	10.127	168	933866	42.813	ng		100
56) 4-Nitrophenol	10.022	139	270754	103.815	ng		94
57) 2,4-Dinitrotoluene	10.104	165	235820	56.481	ng		91
58) Fluorene	10.469	166	726575	44.469	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	204200	48.200	ng		99
60) Diethylphthalate	10.339	149	775577	43.812	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	367966	44.949	ng		98
62) 4-Nitroaniline	10.480	138	156047	51.746	ng		97
63) Azobenzene	10.622	77	705547	37.853	ng		97
65) 4,6-Dinitro-2-methylph...	10.510	198	94537	49.429	ng		86
66) n-Nitrosodiphenylamine	10.575	169	640239	48.289	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	222564	47.191	ng		98
68) Hexachlorobenzene	11.016	284	248851	49.968	ng		95
69) Atrazine	11.104	200	241903	66.347	ng		98
70) Pentachlorophenol	11.204	266	313151	99.142	ng		99
71) Phenanthrene	11.427	178	987200	45.709	ng		100
72) Anthracene	11.480	178	1008649	46.598	ng		99
73) Carbazole	11.633	167	873000	45.671	ng		99
74) Di-n-butylphthalate	11.963	149	1068561	44.102	ng		99
75) Fluoranthene	12.616	202	991365	44.797	ng		96
77) Benzidine	12.733	184	318211	71.385	ng		100
78) Pyrene	12.845	202	1030931	33.615	ng		98
80) Butylbenzylphthalate	13.463	149	408177	36.632	ng		96
81) Benzo(a)anthracene	14.033	228	1056782	45.175	ng		99
82) 3,3'-Dichlorobenzidine	13.992	252	254664	37.944	ng		99
83) Chrysene	14.068	228	931717	43.206	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	551160	39.726	ng		100
85) Di-n-octyl phthalate	14.633	149	997945	48.045	ng		95
87) Indeno(1,2,3-cd)pyrene	17.003	276	890859	36.779	ng		95
88) Benzo(b)fluoranthene	15.080	252	1102180	42.537	ng		98
89) Benzo(k)fluoranthene	15.115	252	956534m	43.432	ng		
90) Benzo(a)pyrene	15.451	252	972786	46.812	ng		98
91) Dibenzo(a,h)anthracene	17.021	278	740740	37.465	ng	#	95
92) Benzo(g,h,i)perylene	17.451	276	622794	30.747	ng		95

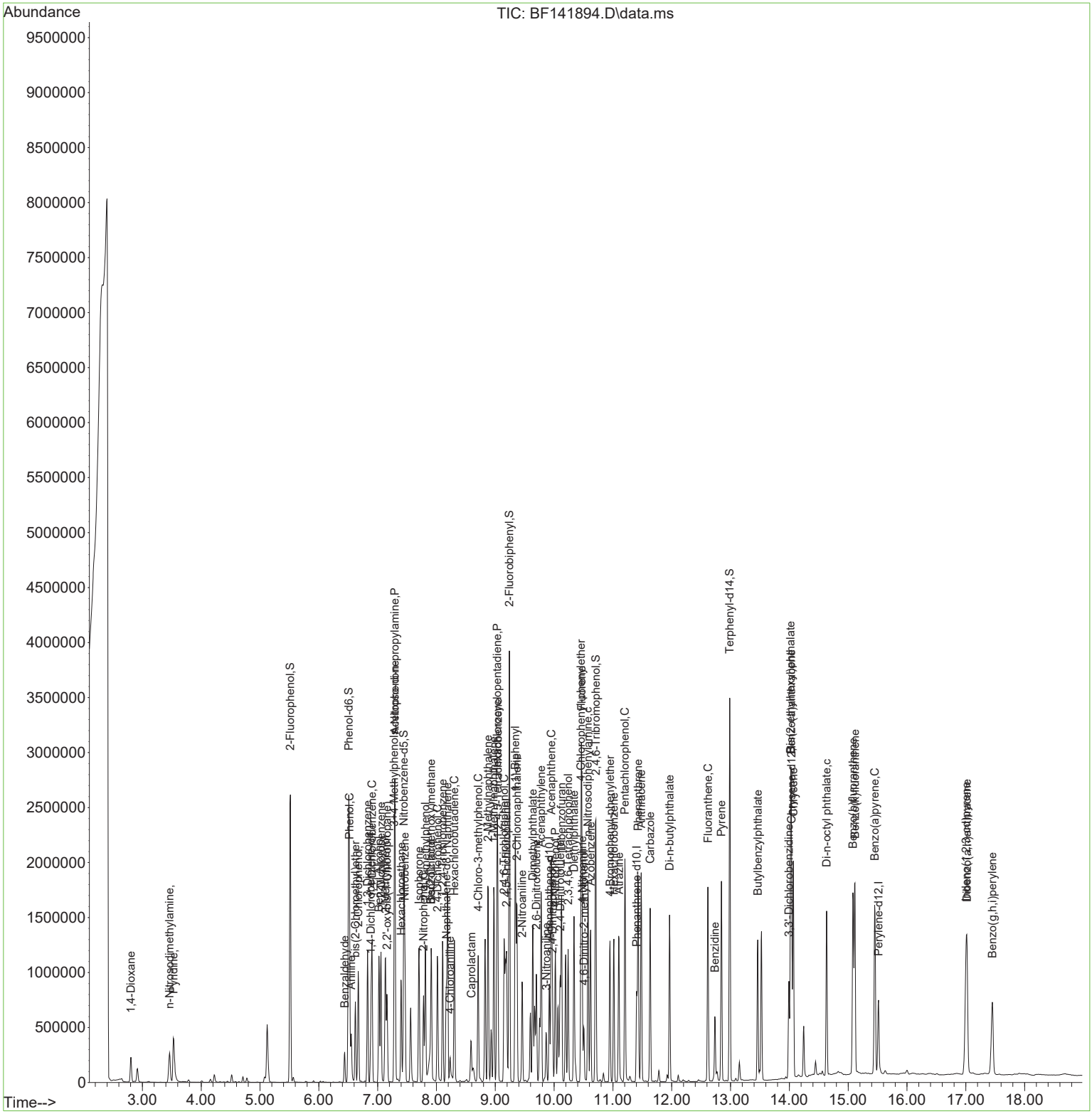
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141894.D
Acq On : 07 Mar 2025 18:59
Operator : RC/JU
Sample : Q1488-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 07 21:46:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



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

Manual Integration Report

Sequence:	BF022725	Instrument	BNA_f

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

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

Manual Integration Report

Sequence:	BF030725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1488-02MS	BF141893.D	Caprolactam	anahy	3/10/2025 10:25:33 AM	Jagrut	3/10/2025 10:28:36 AM	Peak Integrated by Software
Q1488-02MSD	BF141894.D	Benzo(k)fluoranthene	anahy	3/10/2025 10:26:37 AM	Jagrut	3/10/2025 10:28:38 AM	Peak Integrated by Software
Q1488-02MSD	BF141894.D	Caprolactam	anahy	3/10/2025 10:26:37 AM	Jagrut	3/10/2025 10:28:38 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064046.D	1,2-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	1,4-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	2,4,6-Trichlorophenol	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Acenaphthene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Benzidine	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Acenaphthene	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzaldehyde	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzidine	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzoic acid	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Acenaphthene	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzaldehyde	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzoic acid	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICCC040	BG064049.D	Acenaphthene	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BG064049.D	Benzoic acid	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Acenaphthene	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Benzoic acid	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC060	BG064051.D	Benzoic acid	Jagrut	3/6/2025 5:46:32 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC080	BG064052.D	Benzoic acid	Jagrut	3/6/2025 5:46:36 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Acenaphthene	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzaldehyde	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzoic acid	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bg031025	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064073.D	Acenaphthene	anahy	3/11/2025 8:56:05 AM	Jagrut	3/11/2025 10:19:44 AM	Peak Integrated by Software
SSTDCCC040	BG064073.D	Benzoic acid	anahy	3/11/2025 8:56:05 AM	Jagrut	3/11/2025 10:19:44 AM	Peak Integrated by Software
PB167035BS	BG064075.D	2,2"-oxybis(1-Chloropropane)	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software
PB167035BS	BG064075.D	2,3,4,6-Tetrachlorophenol	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software
PB167035BS	BG064075.D	Benzaldehyde	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software
PB167035BS	BG064075.D	Benzoic acid	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software
PB167035BS	BG064075.D	Caprolactam	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022725

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

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

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

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030725

Review By	anahy	Review On	3/10/2025 10:26:54 AM				
Supervise By	Jagrut	Supervise On	3/10/2025 12:42:08 PM				
SubDirectory	BF030725	HP Acquire Method	BNA_F		HP Processing Method	bf022725	

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141881.D	07 Mar 2025 08:26	RC/JU	Ok
2	SSTDCCC040	BF141882.D	07 Mar 2025 08:56	RC/JU	Ok
3	PB167016BL	BF141883.D	07 Mar 2025 09:26	RC/JU	Ok
4	PB167016BS	BF141884.D	07 Mar 2025 09:55	RC/JU	Ok,M
5	PB166968TB	BF141885.D	07 Mar 2025 10:24	RC/JU	Ok
6	Q1478-13	BF141886.D	07 Mar 2025 11:00	RC/JU	Ok
7	Q1478-13MS	BF141887.D	07 Mar 2025 11:29	RC/JU	Ok,M
8	Q1478-13MSD	BF141888.D	07 Mar 2025 11:59	RC/JU	Ok,M
9	Q1481-02	BF141889.D	07 Mar 2025 12:29	RC/JU	Ok
10	Q1484-01DL	BF141890.D	07 Mar 2025 12:58	RC/JU	Ok,M
11	Q1518-01	BF141891.D	07 Mar 2025 13:28	RC/JU	Ok,M
12	Q1488-02	BF141892.D	07 Mar 2025 18:01	RC/JU	Ok
13	Q1488-02MS	BF141893.D	07 Mar 2025 18:30	RC/JU	Ok,M
14	Q1488-02MSD	BF141894.D	07 Mar 2025 18:59	RC/JU	Ok,M
15	Q1490-02	BF141895.D	07 Mar 2025 19:29	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM		
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM		
SubDirectory	BG030525	HP Acquire Method	BNA_G	HP Processing Method	bg030525

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064044.D	5 Mar 2025 8:15	RC/JU	Ok
2	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02	RC/JU	Ok
3	SSTDICC005	BG064046.D	5 Mar 2025 9:42	RC/JU	Ok,M
4	SSTDICC010	BG064047.D	5 Mar 2025 10:22	RC/JU	Ok,M
5	SSTDICC020	BG064048.D	5 Mar 2025 11:03	RC/JU	Ok,M
6	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	RC/JU	Ok,M
7	SSTDICC050	BG064050.D	5 Mar 2025 12:23	RC/JU	Ok,M
8	SSTDICC060	BG064051.D	5 Mar 2025 13:04	RC/JU	Ok,M
9	SSTDICC080	BG064052.D	5 Mar 2025 13:44	RC/JU	Ok,M
10	SSTDICV040	BG064053.D	5 Mar 2025 15:10	RC/JU	Ok,M
11	PB166970BL	BG064054.D	5 Mar 2025 15:50	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG031025

Review By	anahy	Review On	3/11/2025 9:00:54 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:27:09 AM		
SubDirectory	BG031025	HP Acquire Method	BNA_G	HP Processing Method	bg030525

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064072.D	10 Mar 2025 8:43	RC/JU	Ok
2	SSTDCCC040	BG064073.D	10 Mar 2025 9:23	RC/JU	Ok,M
3	PB167035BL	BG064074.D	10 Mar 2025 10:03	RC/JU	Ok
4	PB167035BS	BG064075.D	10 Mar 2025 10:44	RC/JU	Ok,M
5	PB167020TB	BG064076.D	10 Mar 2025 11:24	RC/JU	Ok
6	Q1488-04	BG064077.D	10 Mar 2025 12:22	RC/JU	Ok
7	Q1488-06	BG064078.D	10 Mar 2025 13:03	RC/JU	Ok
8	Q1488-08	BG064079.D	10 Mar 2025 13:43	RC/JU	Ok
9	Q1488-10	BG064080.D	10 Mar 2025 14:23	RC/JU	Ok
10	Q1488-12	BG064081.D	10 Mar 2025 15:04	RC/JU	Ok
11	Q1514-02	BG064082.D	10 Mar 2025 15:44	RC/JU	Ok
12	Q1514-04	BG064083.D	10 Mar 2025 16:25	RC/JU	Ok
13	Q1514-06	BG064084.D	10 Mar 2025 17:05	RC/JU	Ok
14	Q1524-01	BG064085.D	10 Mar 2025 17:46	RC/JU	Ok,M
15	Q1524-02	BG064086.D	10 Mar 2025 18:26	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022725

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

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

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

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030725

Review By	anahy	Review On	3/10/2025 10:26:54 AM		
Supervise By	Jagrut	Supervise On	3/10/2025 12:42:08 PM		
SubDirectory	BF030725	HP Acquire Method	BNA_F	HP Processing Method	bf022725

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141881.D	07 Mar 2025 08:26		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141882.D	07 Mar 2025 08:56		RC/JU	Ok
3	PB167016BL	PB167016BL	BF141883.D	07 Mar 2025 09:26		RC/JU	Ok
4	PB167016BS	PB167016BS	BF141884.D	07 Mar 2025 09:55		RC/JU	Ok,M
5	PB166968TB	PB166968TB	BF141885.D	07 Mar 2025 10:24		RC/JU	Ok
6	Q1478-13	IDW-SO-COMP-022825	BF141886.D	07 Mar 2025 11:00		RC/JU	Ok
7	Q1478-13MS	IDW-SO-COMP-022825	BF141887.D	07 Mar 2025 11:29		RC/JU	Ok,M
8	Q1478-13MSD	IDW-SO-COMP-022825	BF141888.D	07 Mar 2025 11:59		RC/JU	Ok,M
9	Q1481-02	WC-K1311	BF141889.D	07 Mar 2025 12:29		RC/JU	Ok
10	Q1484-01DL	TR-OTR-COMP-01DL	BF141890.D	07 Mar 2025 12:58		RC/JU	Ok,M
11	Q1518-01	OILY-DEBRIS-COMP	BF141891.D	07 Mar 2025 13:28	Internal Standard Fail	RC/JU	Ok,M
12	Q1488-02	ENV-101-SB01	BF141892.D	07 Mar 2025 18:01		RC/JU	Ok
13	Q1488-02MS	ENV-101-SB01MS	BF141893.D	07 Mar 2025 18:30		RC/JU	Ok,M
14	Q1488-02MSD	ENV-101-SB01MSD	BF141894.D	07 Mar 2025 18:59		RC/JU	Ok,M
15	Q1490-02	CLAY-SLUDGE-DRUM	BF141895.D	07 Mar 2025 19:29		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM		
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM		
SubDirectory	BG030525	HP Acquire Method	BNA_G	HP Processing Method	bg030525

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064044.D	5 Mar 2025 8:15		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064046.D	5 Mar 2025 9:42	Compound#32,54,56,65,70,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064047.D	5 Mar 2025 10:22		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064048.D	5 Mar 2025 11:03	Compound#32,51,54,57,65,80 Kept on LR & Compound#26,48 Kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	Calibration is good for 8270 E and 8270 DOD. Benzidine failed in the Calibration.	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064050.D	5 Mar 2025 12:23		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064051.D	5 Mar 2025 13:04	Compound#69 removed from 60 ppm	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064052.D	5 Mar 2025 13:44	Compound#9,69 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBG030525	BG064053.D	5 Mar 2025 15:10		RC/JU	Ok,M
11	PB166970BL	PB166970BL	BG064054.D	5 Mar 2025 15:50		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG031025

Review By	anahy	Review On	3/11/2025 9:00:54 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:27:09 AM		
SubDirectory	BG031025	HP Acquire Method	BNA_G	HP Processing Method	bg030525

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064072.D	10 Mar 2025 8:43		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064073.D	10 Mar 2025 9:23		RC/JU	Ok,M
3	PB167035BL	PB167035BL	BG064074.D	10 Mar 2025 10:03		RC/JU	Ok
4	PB167035BS	PB167035BS	BG064075.D	10 Mar 2025 10:44		RC/JU	Ok,M
5	PB167020TB	PB167020TB	BG064076.D	10 Mar 2025 11:24		RC/JU	Ok
6	Q1488-04	ENV-101-SB02	BG064077.D	10 Mar 2025 12:22		RC/JU	Ok
7	Q1488-06	ENV-102-SB01	BG064078.D	10 Mar 2025 13:03		RC/JU	Ok
8	Q1488-08	ENV-102-SB02	BG064079.D	10 Mar 2025 13:43		RC/JU	Ok
9	Q1488-10	ENV-104-SB01	BG064080.D	10 Mar 2025 14:23		RC/JU	Ok
10	Q1488-12	ENV-104-SB02	BG064081.D	10 Mar 2025 15:04		RC/JU	Ok
11	Q1514-02	ENV-105-SB01	BG064082.D	10 Mar 2025 15:44		RC/JU	Ok
12	Q1514-04	ENV-105-SB02	BG064083.D	10 Mar 2025 16:25		RC/JU	Ok
13	Q1514-06	ENV-103-SB01	BG064084.D	10 Mar 2025 17:05		RC/JU	Ok
14	Q1524-01	72-11930-343-COMP	BG064085.D	10 Mar 2025 17:46		RC/JU	Ok,M
15	Q1524-02	VNJ-241	BG064086.D	10 Mar 2025 18:26		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 03/06/2025 **Time :** 17:00

End Prep Date : 03/07/2025 **Time :** 11:20

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP

Initial Room Temperature: 25 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IZ

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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1L Amber bottle	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Particle size reduction in not required. TUMBLER T-1 /T-2 checked,30 rpm. q1514-06 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/07/25 12:30	JP / TCLP Room	JP RJ / EXT
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

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
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167020TB	LEB020	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-02	ENV-101-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-04	ENV-101-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-06	ENV-102-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-08	ENV-102-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-10	ENV-104-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-12	ENV-104-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1490-02	CLAY-SLUDGE-DRUMS	N/A	N/A	N/A	N/A	100	N/A
Q1494-04	ASPHALT-SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-06	SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-08	SOIL-COMP	N/A	N/A	N/A	N/A	100	N/A
Q1510-01	FMC-25-0001-0005	N/A	N/A	N/A	N/A	100	N/A
Q1514-02	ENV-105-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1514-04	ENV-105-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1514-06	ENV-103-SB01	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB167020

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
PB167020TB	LEB020	N/A	N/A	N/A	N/A	#1	4.94
Q1488-02	ENV-101-SB01	5.01	96.5	6.2	2.5	#1	4.94
Q1488-04	ENV-101-SB02	5.02	96.5	6.6	2.0	#1	4.94
Q1488-06	ENV-102-SB01	5.03	96.5	6.2	2.5	#1	4.94
Q1488-08	ENV-102-SB02	5.04	96.5	7.2	2.5	#1	4.94
Q1488-10	ENV-104-SB01	5.03	96.5	6.6	2.0	#1	4.94
Q1488-12	ENV-104-SB02	5.02	96.5	7.0	2.5	#1	4.94
Q1490-02	CLAY-SLUDGE-DRUMS	5.04	96.5	7.0	2.5	#1	4.94
Q1494-04	ASPHALT-SOIL	5.01	96.5	8.6	3.0	#1	4.94
Q1494-06	SOIL	5.02	96.5	9.1	4.0	#1	4.94
Q1494-08	SOIL-COMP	5.04	96.5	8.6	3.5	#1	4.94
Q1510-01	FMC-25-0001-0005	5.03	96.5	5.6	1.5	#1	4.94
Q1514-02	ENV-105-SB01	5.01	96.5	7.6	2.5	#1	4.94
Q1514-04	ENV-105-SB02	5.02	96.5	8.0	3.0	#1	4.94
Q1514-06	ENV-103-SB01	5.03	96.5	9.1	3.5	#1	4.94

Q1514

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q1490 **WorkList ID :** 188086 **Department :** TCLP Extraction **Date :** 03-06-2025 11:40:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1488-02	ENV-101-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-04	ENV-101-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-06	ENV-102-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-08	ENV-102-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-10	ENV-104-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-12	ENV-104-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1490-02	CLAY-SLUDGE-DRUMS	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1494-04	ASPHALT-SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/05/2025	1311
Q1494-06	SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1494-08	SOIL-COMP	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1510-01	FMC-25-0001-0005	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1514-02	ENV-105-SB01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/06/2025	1311
Q1514-04	ENV-105-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311
Q1514-06	ENV-103-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311

705 of 1709

Date/Time 03106125 16:10

Raw Sample Received by: SB (WC)

Raw Sample Relinquished by: CA SM

Date/Time 03106125 18:00

Raw Sample Received by: CA SM

Raw Sample Relinquished by: SB (WC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167035

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#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 03/07/2025

Extraction Start Time : 12:45

Extraction End Date : 03/07/2025

Extraction End Time : 17:45

Concentration By: EH

Supervisor By : RUPESH

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

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

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3878
Baked Na2SO4	N/A	EP2590
H2SO4 1:1	N/A	EP2565
10N NaoH	N/A	EP2559
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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.

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
3/7/25	RS (Ext-Lab)	RC/SVOC
17:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167035

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 03/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167020TB	PB167020TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB167035BL	PB167035BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB167035BS	PB167035BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q1488-02	ENV-101-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q1488-02MS	ENV-101-SB01MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q1488-02MSD	ENV-101-SB01MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q1488-04	ENV-101-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q1488-06	ENV-102-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q1488-08	ENV-102-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
Q1488-10	ENV-104-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
Q1488-12	ENV-104-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
Q1490-02	CLAY-SLUDGE-DRUMS	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
Q1494-04	ASPHALT-SOIL	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
Q1494-06	SOIL	TCLP BNA	100	6	RUPESH	ritesh	1	A		14
Q1494-08	SOIL-COMP	TCLP BNA	100	6	RUPESH	ritesh	1	A		15
Q1514-02	ENV-105-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		16
Q1514-04	ENV-105-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		17
Q1514-06	ENV-103-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		18

RS
3/7

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

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

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
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

03/07/25

12:30

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

LAB CHRONICLE

OrderID:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-02	**ENV-105-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1514-04	**ENV-105-SB02**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1514-06	**ENV-103-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP BNA	8270E		03/07/25	03/10/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1514 **Order ID:** Q1514

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/11/25
Client Sample ID:	PB167020TB	SDG No.:	Q1514
Lab Sample ID:	PB167020TB	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
PL094684.D	1	03/11/25 11:54	03/13/25 17:33	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.7		30 (43) - 150 (140)	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		30 (77) - 150 (126)	88%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-02	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
PL094658.D	1	03/11/25 11:54	03/12/25 21:00	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.5		30 (43) - 150 (140)	122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		30 (77) - 150 (126)	99%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-04	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
PL094659.D	1	03/11/25 11:54	03/12/25 21:13	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.4		30 (43) - 150 (140)	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		30 (77) - 150 (126)	106%	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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-06	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
PL094660.D	1	03/11/25 11:54	03/12/25 21:27	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.3		30 (43) - 150 (140)	127%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		30 (77) - 150 (126)	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.: Q1514

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-PL094566.D	PIBLK-PL094566.D	Decachlorobiphenyl	1	20	22.7	114		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.0	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.2	101		30 (77)	150 (126)
I.BLK-PL094639.D	PIBLK-PL094639.D	Decachlorobiphenyl	1	20	24.1	121		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.0	105		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.8	119		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.0	105		30 (77)	150 (126)
Q1488-02MS	ENV-101-SB01MS	Decachlorobiphenyl	1	20	27.9	139		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	26.8	134		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.6	108		30 (77)	150 (126)
Q1488-02MSD	ENV-101-SB01MSD	Decachlorobiphenyl	1	20	27.8	139		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.9	104		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	26.7	133		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.8	109		30 (77)	150 (126)
I.BLK-PL094651.D	PIBLK-PL094651.D	Decachlorobiphenyl	1	20	26.8	134		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	22.0	110		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	24.6	123		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	22.4	112		30 (77)	150 (126)
Q1514-02	ENV-105-SB01	Decachlorobiphenyl	1	20	24.5	122		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.6	98		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.2	116		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.8	99		30 (77)	150 (126)
Q1514-04	ENV-105-SB02	Decachlorobiphenyl	1	20	22.4	112		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.8	104		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.8	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.3	106		30 (77)	150 (126)
Q1514-06	ENV-103-SB01	Decachlorobiphenyl	1	20	25.3	127		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.7	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	23.7	119		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.9	104		30 (77)	150 (126)
I.BLK-PL094663.D	PIBLK-PL094663.D	Decachlorobiphenyl	1	20	28.3	141		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	23.2	116		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	26.4	132		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	23.4	117		30 (77)	150 (126)
I.BLK-PL094676.D	PIBLK-PL094676.D	Decachlorobiphenyl	1	20	23.1	115		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	18.2	91		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.0	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	18.9	94		30 (77)	150 (126)
PB167091BL	PB167091BL	Decachlorobiphenyl	1	20	25.8	129		30 (43)	150 (140)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
PB167091BL	PB167091BL	Tetrachloro-m-xylene	1	20	21.2	106		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.2	106		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	21.9	109		30 (77)	150 (126)
PB167091BS	PB167091BS	Decachlorobiphenyl	1	20	24.4	122		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.2	96		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	20.0	100		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.8	104		30 (77)	150 (126)
PB167020TB	PB167020TB	Decachlorobiphenyl	1	20	21.7	108		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	17.1	86		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	17.9	90		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	17.6	88		30 (77)	150 (126)
I.BLK-PL094694.D	PIBLK-PL094694.D	Decachlorobiphenyl	1	20	24.5	123		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	19.3	97		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	22.5	112		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.2	96		30 (77)	150 (126)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8081B **DataFile :** PL094648.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:	**ENV-101-SB01MS**											
Q1488-02MS	gamma-BHC (Lindane)	5	0	7.40	ug/L	148				30 (60)	150 (152)	
	Heptachlor	5	0	5.40	ug/L	108				30 (56)	150 (147)	
	Heptachlor epoxide	5	0	5.60	ug/L	112				30 (77)	150 (143)	
	Endrin	5	0	5.80	ug/L	116				30 (76)	150 (144)	
	Methoxychlor	5	0	5.70	ug/L	114				30 (70)	150 (142)	

( ) = 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.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8081B **DataFile :** PL094649.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:	**ENV-101-SB01MSD**											
Q1488-02MSD	gamma-BHC (Lindane)	5	0	7.30	ug/L	146		1		30 (60)	150 (152)	20 (20)
	Heptachlor	5	0	5.40	ug/L	108		0		30 (56)	150 (147)	20 (20)
	Heptachlor epoxide	5	0	5.60	ug/L	112		0		30 (77)	150 (143)	20 (20)
	Endrin	5	0	5.80	ug/L	116		0		30 (76)	150 (144)	20 (20)
	Methoxychlor	5	0	5.60	ug/L	112		2		30 (70)	150 (142)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8081B **Datafile :** PL094683.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167091BS	gamma-BHC (Lindane)	0.5	0.48	ug/L	95				40 (82)	140 (129)	
	Heptachlor	0.5	0.47	ug/L	95				40 (79)	140 (127)	
	Heptachlor epoxide	0.5	0.48	ug/L	97				40 (81)	140 (124)	
	Endrin	0.5	0.49	ug/L	98				40 (81)	140 (128)	
	Methoxychlor	0.5	0.53	ug/L	106				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.

PB167091BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab Sample ID: PB167091BL Lab File ID: PL094682.D

Matrix: (soil/water) water Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 03/11/2025

Date Analyzed (1): 03/13/2025 Date Analyzed (2): 03/13/2025

Time Analyzed (1): 16:34 Time Analyzed (2): 16:34

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
ENV-101-SB01MS	Q1488-02MS	PL094648.D	03/12/2025	03/12/2025
ENV-101-SB01MSD	Q1488-02MSD	PL094649.D	03/12/2025	03/12/2025
ENV-105-SB01	Q1514-02	PL094658.D	03/12/2025	03/12/2025
ENV-105-SB02	Q1514-04	PL094659.D	03/12/2025	03/12/2025
ENV-103-SB01	Q1514-06	PL094660.D	03/12/2025	03/12/2025
PB167091BS	PB167091BS	PL094683.D	03/13/2025	03/13/2025
PB167020TB	PB167020TB	PL094684.D	03/13/2025	03/13/2025

COMMENTS:

QC SAMPLE DATA

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167091BL	SDG No.:	Q1514
Lab Sample ID:	PB167091BL	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
PL094682.D	1	03/11/25 11:54	03/13/25 16:34	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.8		30 (43) - 150 (140)	129%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.9		30 (77) - 150 (126)	109%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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:	03/11/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/11/25
Client Sample ID:	PIBLK-PL094566.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PL094566.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
PL094566.D	1		03/11/25	PL031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		30 (43) - 150 (140)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (77) - 150 (126)	103%	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:	03/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/12/25
Client Sample ID:	PIBLK-PL094639.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PL094639.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
PL094639.D	1		03/12/25	PL031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.1		30 (43) - 150 (140)	121%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		30 (77) - 150 (126)	105%	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:	03/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/12/25
Client Sample ID:	PIBLK-PL094651.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PL094651.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
PL094651.D	1		03/12/25	PL031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	26.8		30 (43) - 150 (140)	134%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.4		30 (77) - 150 (126)	112%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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:	03/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/12/25
Client Sample ID:	PIBLK-PL094663.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PL094663.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
PL094663.D	1		03/12/25	PL031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	28.3		30 (43) - 150 (140)	141%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.4		30 (77) - 150 (126)	117%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/13/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/13/25
Client Sample ID:	PIBLK-PL094676.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PL094676.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
PL094676.D	1		03/13/25	PL031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.1		30 (43) - 150 (140)	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		30 (77) - 150 (126)	94%	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:	03/13/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/13/25
Client Sample ID:	PIBLK-PL094694.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PL094694.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
PL094694.D	1		03/13/25	PL031325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.5		30 (43) - 150 (140)	123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		30 (77) - 150 (126)	97%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167091BS	SDG No.:	Q1514
Lab Sample ID:	PB167091BS	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
PL094683.D	1	03/11/25 11:54	03/13/25 17:20	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.48		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.47		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.48		0.0096	0.050	ug/L
72-20-8	Endrin	0.49		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.53		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.4		30 (43) - 150 (140)	122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		30 (77) - 150 (126)	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:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1514
Lab Sample ID:	Q1488-02MS	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
PL094648.D	1	03/11/25 11:54	03/12/25 18:29	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	7.40		0.037	0.50	ug/L
76-44-8	Heptachlor	5.40		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.60		0.096	0.50	ug/L
72-20-8	Endrin	5.80		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.70		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	27.9		30 (43) - 150 (140)	139%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		30 (77) - 150 (126)	108%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1514
Lab Sample ID:	Q1488-02MSD	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
PL094649.D	1	03/11/25 11:54	03/12/25 18:42	PB167091

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	7.30		0.037	0.50	ug/L
76-44-8	Heptachlor	5.40		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.60		0.096	0.50	ug/L
72-20-8	Endrin	5.80		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.60		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	27.8		30 (43) - 150 (140)	139%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		30 (77) - 150 (126)	109%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Instrument ID: ECD_L **Calibration Date(s):** 03/11/2025 03/11/2025

Calibration Times: 10:35 11:29

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

LAB FILE ID: RT 100 = PL094569.D RT 075 = PL094570.D

RT 050 = PL094571.D RT 025 = PL094572.D RT 005 = PL094573.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	9.05	9.06	9.06	9.06	9.05	9.05	8.95	9.15
Endrin	6.57	6.57	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	4.91	4.92	4.92	4.91	4.92	4.91	4.81	5.01
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.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Instrument ID: ECD_L **Calibration Date(s):** 03/11/2025 03/11/2025

Calibration Times: 10:35 11:29

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

LAB FILE ID: RT 100 = PL094569.D RT 075 = PL094570.D

RT 050 = PL094571.D RT 025 = PL094572.D RT 005 = PL094573.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
Endrin	5.63	5.63	5.63	5.63	5.63	5.63	5.53	5.73
gamma-BHC (Lindane)	3.60	3.60	3.60	3.60	3.60	3.60	3.50	3.70
Heptachlor	3.94	3.94	3.94	3.94	3.94	3.94	3.84	4.04
Heptachlor epoxide	4.72	4.72	4.73	4.72	4.72	4.72	4.62	4.82
Methoxychlor	6.61	6.61	6.61	6.61	6.61	6.61	6.51	6.71
Tetrachloro-m-xylene	2.77	2.77	2.77	2.77	2.77	2.77	2.67	2.87

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Instrument ID: ECD_L

Calibration Date(s): 03/11/2025 03/11/2025

Calibration Times: 10:35 11:29

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

LAB FILE ID: **CF 100 =** PL094569.D **CF 075 =** PL094570.D

CF 050 = PL094571.D **CF 025 =** PL094572.D **CF 005 =** PL094573.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	1938960000	1961100000	2020410000	2196220000	2420590000	2107460000	10
Endrin	2585940000	2584670000	2628790000	2810860000	3250100000	2772070000	10
gamma-BHC (Lindane)	3886090000	3824550000	3841420000	4060770000	4338530000	3990270000	5
Heptachlor	3645730000	3661000000	3717820000	3965990000	4417600000	3881630000	8
Heptachlor epoxide	3127680000	3124100000	3197280000	3386170000	3890740000	3345200000	10
Methoxychlor	1109170000	1148450000	1148150000	1275940000	1303650000	1197070000	7
Tetrachloro-m-xylene	2677630000	2681900000	2722740000	2922670000	3148400000	2830670000	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Instrument ID: ECD_L

Calibration Date(s): 03/11/2025 03/11/2025

Calibration Times: 10:35 11:29

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

LAB FILE ID: **CF 100 =** PL094569.D **CF 075 =** PL094570.D

CF 050 = PL094571.D **CF 025 =** PL094572.D **CF 005 =** PL094573.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	3950320000	3868520000	3903950000	4095240000	4378770000	4039360000	5
Endrin	4434550000	4325290000	4326060000	4330520000	4401830000	4363650000	1
gamma-BHC (Lindane)	5372230000	5230100000	5132530000	5070750000	4891640000	5139450000	3
Heptachlor	5363060000	5262730000	5228770000	5273220000	5215450000	5268650000	1
Heptachlor epoxide	4619190000	4519300000	4529520000	4593130000	4631780000	4578580000	1
Methoxychlor	2089160000	2085630000	2099350000	2155560000	2175640000	2121070000	2
Tetrachloro-m-xylene	3572520000	3517330000	3502400000	3623970000	3630140000	3569270000	2

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Instrument ID: ECD_L **Date(s) Analyzed:** 03/11/2025 03/11/2025

GC Column: ZB-MR1 **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	134630000
		2	5.23	5.13	5.33	144652000
		3	5.94	5.84	6.04	464863000
		4	6.02	5.92	6.12	547710000
		5	6.87	6.77	6.97	104488000
Toxaphene	500	1	6.24	6.14	6.34	25951700
		2	6.44	6.34	6.54	16397600
		3	7.06	6.96	7.16	82030600
		4	7.15	7.05	7.25	62943200
		5	7.93	7.83	8.03	45040400

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Instrument ID: ECD_L **Date(s) Analyzed:** 03/11/2025 03/11/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	3.77	3.67	3.87	148442000
		2	4.35	4.25	4.45	174676000
		3	4.97	4.87	5.07	522517000
		4	5.04	4.94	5.14	515418000
		5	5.93	5.83	6.03	187177000
Toxaphene	500	1	5.00	4.90	5.10	26020300
		2	5.32	5.22	5.42	25489100
		3	5.68	5.58	5.78	28236400
		4	6.60	6.50	6.70	96540400
		5	7.04	6.94	7.14	93337600

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 15:49 **Initial Calibration Time(s):** 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
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	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
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.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 15:49 **Initial Calibration Time(s):** 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094640.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.053	8.956	9.156	51.250	50.000	2.5
Endrin	6.571	6.474	6.674	45.720	50.000	-8.6
gamma-BHC (Lindane)	4.326	4.227	4.427	48.680	50.000	-2.6
Heptachlor	4.913	4.815	5.015	47.570	50.000	-4.9
Heptachlor epoxide	5.682	5.583	5.783	48.580	50.000	-2.8
Methoxychlor	7.499	7.400	7.600	49.660	50.000	-0.7
Tetrachloro-m-xylene	3.537	3.438	3.638	49.080	50.000	-1.8

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094640.D **Time Analyzed:** 15:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.904	7.807	8.007	53.140	50.000	6.3
Endrin	5.631	5.534	5.734	50.500	50.000	1.0
gamma-BHC (Lindane)	3.603	3.504	3.704	52.540	50.000	5.1
Heptachlor	3.940	3.842	4.042	50.950	50.000	1.9
Heptachlor epoxide	4.722	4.625	4.825	51.880	50.000	3.8
Methoxychlor	6.604	6.507	6.707	50.260	50.000	0.5
Tetrachloro-m-xylene	2.771	2.672	2.872	51.710	50.000	3.4

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 19:38 **Initial Calibration Time(s):** 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
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.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 19:38 **Initial Calibration Time(s):** 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094653.D **Time Analyzed:** 19:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.050	8.956	9.156	57.460	50.000	14.9
Endrin	6.570	6.474	6.674	46.520	50.000	-7.0
gamma-BHC (Lindane)	4.325	4.227	4.427	51.810	50.000	3.6
Heptachlor	4.912	4.815	5.015	48.640	50.000	-2.7
Heptachlor epoxide	5.681	5.583	5.783	50.640	50.000	1.3
Methoxychlor	7.497	7.400	7.600	50.870	50.000	1.7
Tetrachloro-m-xylene	3.537	3.438	3.638	52.660	50.000	5.3

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094653.D **Time Analyzed:** 19:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.903	7.807	8.007	56.290	50.000	12.6
Endrin	5.631	5.534	5.734	51.880	50.000	3.8
gamma-BHC (Lindane)	3.602	3.504	3.704	55.610	50.000	11.2
Heptachlor	3.940	3.842	4.042	52.170	50.000	4.3
Heptachlor epoxide	4.721	4.625	4.825	54.580	50.000	9.2
Methoxychlor	6.604	6.507	6.707	50.690	50.000	1.4
Tetrachloro-m-xylene	2.771	2.672	2.872	55.740	50.000	11.5

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 22:22 **Initial Calibration Time(s):** 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
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.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 22:22 **Initial Calibration Time(s):** 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094664.D **Time Analyzed:** 22:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.050	8.956	9.156	57.790	50.000	15.6
Endrin	6.570	6.474	6.674	47.710	50.000	-4.6
gamma-BHC (Lindane)	4.325	4.227	4.427	53.770	50.000	7.5
Heptachlor	4.912	4.815	5.015	50.100	50.000	0.2
Heptachlor epoxide	5.680	5.583	5.783	52.710	50.000	5.4
Methoxychlor	7.496	7.400	7.600	52.160	50.000	4.3
Tetrachloro-m-xylene	3.536	3.438	3.638	53.830	50.000	7.7

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094664.D **Time Analyzed:** 22:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.904	7.807	8.007	57.440	50.000	14.9
Endrin	5.631	5.534	5.734	52.440	50.000	4.9
gamma-BHC (Lindane)	3.603	3.504	3.704	56.730	50.000	13.5
Heptachlor	3.940	3.842	4.042	52.860	50.000	5.7
Heptachlor epoxide	4.722	4.625	4.825	55.720	50.000	11.4
Methoxychlor	6.604	6.507	6.707	50.980	50.000	2.0
Tetrachloro-m-xylene	2.771	2.672	2.872	56.680	50.000	13.4

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/13/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 15:25 **Initial Calibration Time(s):** 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
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.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/13/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 15:25 **Initial Calibration Time(s):** 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL04 **Date Analyzed:** 03/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094677.D **Time Analyzed:** 15:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.051	8.956	9.156	58.110	50.000	16.2
Endrin	6.571	6.474	6.674	52.220	50.000	4.4
gamma-BHC (Lindane)	4.325	4.227	4.427	50.970	50.000	1.9
Heptachlor	4.912	4.815	5.015	49.860	50.000	-0.3
Heptachlor epoxide	5.680	5.583	5.783	50.170	50.000	0.3
Methoxychlor	7.497	7.400	7.600	59.780	50.000	19.6
Tetrachloro-m-xylene	3.536	3.438	3.638	50.700	50.000	1.4

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL04 **Date Analyzed:** 03/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094677.D **Time Analyzed:** 15:25

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.903	7.807	8.007	56.820	50.000	13.6
Endrin	5.631	5.534	5.734	53.420	50.000	6.8
gamma-BHC (Lindane)	3.602	3.504	3.704	53.970	50.000	7.9
Heptachlor	3.940	3.842	4.042	53.200	50.000	6.4
Heptachlor epoxide	4.721	4.625	4.825	53.810	50.000	7.6
Methoxychlor	6.604	6.507	6.707	59.420	50.000	18.8
Tetrachloro-m-xylene	2.770	2.672	2.872	53.610	50.000	7.2

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/13/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 20:04 **Initial Calibration Time(s):** 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.05	9.06	8.96	9.16	0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.91	4.92	4.82	5.02	0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
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.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/13/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 20:04 **Initial Calibration Time(s):** 10:35 11:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.90	7.91	7.81	8.01	0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Heptachlor epoxide	4.72	4.73	4.63	4.83	0.01
Endrin	5.63	5.63	5.53	5.73	0.00
Methoxychlor	6.60	6.61	6.51	6.71	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL05 **Date Analyzed:** 03/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094695.D **Time Analyzed:** 20:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.048	8.956	9.156	53.870	50.000	7.7
Endrin	6.568	6.474	6.674	46.050	50.000	-7.9
gamma-BHC (Lindane)	4.324	4.227	4.427	47.020	50.000	-6.0
Heptachlor	4.911	4.815	5.015	45.500	50.000	-9.0
Heptachlor epoxide	5.679	5.583	5.783	45.670	50.000	-8.7
Methoxychlor	7.496	7.400	7.600	54.200	50.000	8.4
Tetrachloro-m-xylene	3.535	3.438	3.638	46.690	50.000	-6.6

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL05 **Date Analyzed:** 03/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL094695.D **Time Analyzed:** 20:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.902	7.807	8.007	51.700	50.000	3.4
Endrin	5.629	5.534	5.734	48.760	50.000	-2.5
gamma-BHC (Lindane)	3.601	3.504	3.704	49.290	50.000	-1.4
Heptachlor	3.939	3.842	4.042	48.060	50.000	-3.9
Heptachlor epoxide	4.720	4.625	4.825	49.010	50.000	-2.0
Methoxychlor	6.602	6.507	6.707	52.890	50.000	5.8
Tetrachloro-m-xylene	2.770	2.672	2.872	49.280	50.000	-1.4

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No. (PEM): PEM - PL094567.D **Date Analyzed:** 03/11/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:08

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.052	8.950	9.150	20.540	20.000	2.7
Tetrachloro-m-xylene	3.536	3.490	3.590	19.600	20.000	-2.0
alpha-BHC	3.992	3.940	4.040	10.230	10.000	2.3
beta-BHC	4.524	4.470	4.570	10.180	10.000	1.8
gamma-BHC (Lindane)	4.325	4.270	4.380	10.310	10.000	3.1
Endrin	6.572	6.500	6.640	43.430	50.000	-13.1
4,4'-DDT	7.021	6.950	7.090	87.030	100.000	-13.0
Methoxychlor	7.498	7.430	7.570	214.630	250.000	-14.1

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No. (PEM): PEM - PL094567.D **Date Analyzed:** 03/11/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:08

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.905	7.800	8.010	19.590	20.000	-2.1
Tetrachloro-m-xylene	2.771	2.720	2.820	19.320	20.000	-3.4
alpha-BHC	3.273	3.220	3.320	9.150	10.000	-8.5
beta-BHC	3.903	3.850	3.950	10.130	10.000	1.3
gamma-BHC (Lindane)	3.603	3.550	3.650	9.160	10.000	-8.4
Endrin	5.632	5.560	5.700	44.410	50.000	-11.2
4,4'-DDT	6.030	5.960	6.100	97.400	100.000	-2.6
Methoxychlor	6.605	6.530	6.680	224.380	250.000	-10.2

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No. (PEM): PEM - PL094621.D **Date Analyzed:** 03/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:51

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.054	8.950	9.150	22.150	20.000	10.8
Tetrachloro-m-xylene	3.539	3.490	3.590	20.850	20.000	4.3
alpha-BHC	3.994	3.940	4.040	10.750	10.000	7.5
beta-BHC	4.526	4.480	4.580	10.570	10.000	5.7
gamma-BHC (Lindane)	4.327	4.280	4.380	10.700	10.000	7.0
Endrin	6.573	6.500	6.640	41.560	50.000	-16.9
4,4'-DDT	7.025	6.950	7.100	87.210	100.000	-12.8
Methoxychlor	7.500	7.430	7.570	217.020	250.000	-13.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No. (PEM): PEM - PL094621.D **Date Analyzed:** 03/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:51

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.906	7.810	8.010	20.130	20.000	0.7
Tetrachloro-m-xylene	2.772	2.720	2.820	20.240	20.000	1.2
alpha-BHC	3.274	3.220	3.320	9.640	10.000	-3.6
beta-BHC	3.904	3.850	3.950	10.800	10.000	8.0
gamma-BHC (Lindane)	3.604	3.550	3.650	9.650	10.000	-3.5
Endrin	5.634	5.560	5.700	44.940	50.000	-10.1
4,4'-DDT	6.032	5.960	6.100	96.750	100.000	-3.3
Methoxychlor	6.606	6.540	6.680	223.560	250.000	-10.6

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No. (PEM): PEM - PL094652.D **Date Analyzed:** 03/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:24

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.049	8.950	9.150	24.670	20.000	23.4
Tetrachloro-m-xylene	3.537	3.490	3.590	21.440	20.000	7.2
alpha-BHC	3.992	3.940	4.040	11.020	10.000	10.2
beta-BHC	4.523	4.470	4.570	10.970	10.000	9.7
gamma-BHC (Lindane)	4.324	4.270	4.370	11.010	10.000	10.1
Endrin	6.569	6.500	6.640	43.690	50.000	-12.6
4,4'-DDT	7.021	6.950	7.090	91.520	100.000	-8.5
Methoxychlor	7.497	7.430	7.570	225.230	250.000	-9.9

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No. (PEM): PEM - PL094652.D **Date Analyzed:** 03/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 19:24

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.903	7.800	8.000	23.060	20.000	15.3
Tetrachloro-m-xylene	2.771	2.720	2.820	21.550	20.000	7.8
alpha-BHC	3.272	3.220	3.320	10.200	10.000	2.0
beta-BHC	3.902	3.850	3.950	11.580	10.000	15.8
gamma-BHC (Lindane)	3.602	3.550	3.650	10.290	10.000	2.9
Endrin	5.631	5.560	5.700	47.470	50.000	-5.1
4,4'-DDT	6.029	5.960	6.100	98.390	100.000	-1.6
Methoxychlor	6.604	6.530	6.670	232.280	250.000	-7.1

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No. (PEM): PEM - PL094667.D **Date Analyzed:** 03/13/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:53

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.055	8.950	9.160	22.170	20.000	10.9
Tetrachloro-m-xylene	3.539	3.490	3.590	18.440	20.000	-7.8
alpha-BHC	3.995	3.940	4.050	9.420	10.000	-5.8
beta-BHC	4.527	4.480	4.580	9.280	10.000	-7.2
gamma-BHC (Lindane)	4.328	4.280	4.380	9.510	10.000	-4.9
Endrin	6.574	6.500	6.640	38.380	50.000	-23.2
4,4'-DDT	7.025	6.950	7.100	89.690	100.000	-10.3
Methoxychlor	7.501	7.430	7.570	227.580	250.000	-9.0

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No. (PEM): PEM - PL094667.D **Date Analyzed:** 03/13/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:53

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.903	7.800	8.000	20.830	20.000	4.2
Tetrachloro-m-xylene	2.768	2.720	2.820	19.200	20.000	-4.0
alpha-BHC	3.270	3.220	3.320	9.170	10.000	-8.3
beta-BHC	3.901	3.850	3.950	10.140	10.000	1.4
gamma-BHC (Lindane)	3.600	3.550	3.650	8.920	10.000	-10.8
Endrin	5.630	5.560	5.700	43.240	50.000	-13.5
4,4'-DDT	6.028	5.960	6.100	101.690	100.000	1.7
Methoxychlor	6.604	6.530	6.670	241.920	250.000	-3.2

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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 03/11/2025 03/11/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	03/11/2025	09:55	PL094566.D	9.05	3.54
PEM	PEM	03/11/2025	10:08	PL094567.D	9.05	3.54
RESCHK	RESCHK	03/11/2025	10:22	PL094568.D	9.05	3.54
PSTDICC100	PSTDICC100	03/11/2025	10:35	PL094569.D	9.05	3.54
PSTDICC075	PSTDICC075	03/11/2025	10:49	PL094570.D	9.06	3.54
PSTDICC050	PSTDICC050	03/11/2025	11:02	PL094571.D	9.06	3.54
PSTDICC025	PSTDICC025	03/11/2025	11:16	PL094572.D	9.06	3.54
PSTDICC005	PSTDICC005	03/11/2025	11:29	PL094573.D	9.05	3.54
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	9.06	3.54
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	9.05	3.54
PEM	PEM	03/12/2025	08:51	PL094621.D	9.05	3.54
I.BLK	I.BLK	03/12/2025	15:35	PL094639.D	9.06	3.54
PSTDCCC050	PSTDCCC050	03/12/2025	15:49	PL094640.D	9.05	3.54
ENV-101-SB01MS	Q1488-02MS	03/12/2025	18:29	PL094648.D	9.05	3.54
ENV-101-SB01MSD	Q1488-02MSD	03/12/2025	18:42	PL094649.D	9.05	3.54
I.BLK	I.BLK	03/12/2025	19:10	PL094651.D	9.05	3.54
PEM	PEM	03/12/2025	19:24	PL094652.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/12/2025	19:38	PL094653.D	9.05	3.54
ENV-105-SB01	Q1514-02	03/12/2025	21:00	PL094658.D	9.05	3.54
ENV-105-SB02	Q1514-04	03/12/2025	21:13	PL094659.D	9.05	3.54
ENV-103-SB01	Q1514-06	03/12/2025	21:27	PL094660.D	9.05	3.54
I.BLK	I.BLK	03/12/2025	22:09	PL094663.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/12/2025	22:22	PL094664.D	9.05	3.54
PEM	PEM	03/13/2025	11:53	PL094667.D	9.06	3.54
I.BLK	I.BLK	03/13/2025	15:12	PL094676.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/13/2025	15:25	PL094677.D	9.05	3.54
PB167091BL	PB167091BL	03/13/2025	16:34	PL094682.D	9.05	3.54
PB167091BS	PB167091BS	03/13/2025	17:20	PL094683.D	9.05	3.54
PB167020TB	PB167020TB	03/13/2025	17:33	PL094684.D	9.05	3.54
I.BLK	I.BLK	03/13/2025	19:51	PL094694.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/13/2025	20:04	PL094695.D	9.05	3.54

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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 03/11/2025 03/11/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	03/11/2025	09:55	PL094566.D	7.91	2.77
PEM	PEM	03/11/2025	10:08	PL094567.D	7.91	2.77
RESCHK	RESCHK	03/11/2025	10:22	PL094568.D	7.91	2.77
PSTDICC100	PSTDICC100	03/11/2025	10:35	PL094569.D	7.91	2.77
PSTDICC075	PSTDICC075	03/11/2025	10:49	PL094570.D	7.91	2.77
PSTDICC050	PSTDICC050	03/11/2025	11:02	PL094571.D	7.91	2.77
PSTDICC025	PSTDICC025	03/11/2025	11:16	PL094572.D	7.91	2.77
PSTDICC005	PSTDICC005	03/11/2025	11:29	PL094573.D	7.91	2.77
PCHLORICC500	PCHLORICC500	03/11/2025	12:10	PL094576.D	7.91	2.77
PTOXICC500	PTOXICC500	03/11/2025	13:18	PL094581.D	7.91	2.77
PEM	PEM	03/12/2025	08:51	PL094621.D	7.91	2.77
I.BLK	I.BLK	03/12/2025	15:35	PL094639.D	7.91	2.77
PSTDCCC050	PSTDCCC050	03/12/2025	15:49	PL094640.D	7.90	2.77
ENV-101-SB01MS	Q1488-02MS	03/12/2025	18:29	PL094648.D	7.90	2.77
ENV-101-SB01MSD	Q1488-02MSD	03/12/2025	18:42	PL094649.D	7.90	2.77
I.BLK	I.BLK	03/12/2025	19:10	PL094651.D	7.90	2.77
PEM	PEM	03/12/2025	19:24	PL094652.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/12/2025	19:38	PL094653.D	7.90	2.77
ENV-105-SB01	Q1514-02	03/12/2025	21:00	PL094658.D	7.90	2.77
ENV-105-SB02	Q1514-04	03/12/2025	21:13	PL094659.D	7.90	2.77
ENV-103-SB01	Q1514-06	03/12/2025	21:27	PL094660.D	7.90	2.77
I.BLK	I.BLK	03/12/2025	22:09	PL094663.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/12/2025	22:22	PL094664.D	7.90	2.77
PEM	PEM	03/13/2025	11:53	PL094667.D	7.90	2.77
I.BLK	I.BLK	03/13/2025	15:12	PL094676.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/13/2025	15:25	PL094677.D	7.90	2.77
PB167091BL	PB167091BL	03/13/2025	16:34	PL094682.D	7.90	2.77
PB167091BS	PB167091BS	03/13/2025	17:20	PL094683.D	7.90	2.77
PB167020TB	PB167020TB	03/13/2025	17:33	PL094684.D	7.90	2.77
I.BLK	I.BLK	03/13/2025	19:51	PL094694.D	7.90	2.77
PSTDCCC050	PSTDCCC050	03/13/2025	20:04	PL094695.D	7.90	2.77

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
ENV-101-SB01MS

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Lab Sample ID: Q1488-02MS **Date(s) Analyzed:** 03/12/2025 03/12/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	5.70	1.8
	2	6.60	6.55	6.65	5.60	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	7.40	11.4
	2	3.60	3.55	3.65	6.60	
Heptachlor	1	4.91	4.86	4.96	5.20	3.8
	2	3.94	3.89	3.99	5.40	
Heptachlor epoxide	1	5.68	5.63	5.73	5.30	5.5
	2	4.72	4.67	4.77	5.60	
Endrin	1	6.57	6.52	6.62	5.20	10.9
	2	5.63	5.58	5.68	5.80	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
ENV-101-SB01MSD

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Lab Sample ID: Q1488-02MSD **Date(s) Analyzed:** 03/12/2025 03/12/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	5.60	0
	2	6.60	6.55	6.65	5.60	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	7.30	8.6
	2	3.60	3.55	3.65	6.70	
Heptachlor	1	4.91	4.86	4.96	5.10	5.7
	2	3.94	3.89	3.99	5.40	
Heptachlor epoxide	1	5.68	5.63	5.73	5.20	7.4
	2	4.72	4.67	4.77	5.60	
Endrin	1	6.57	6.52	6.62	5.20	10.9
	2	5.63	5.58	5.68	5.80	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB167091BS

Contract: PORT06
Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514
Lab Sample ID: PB167091BS **Date(s) Analyzed:** 03/13/2025 03/13/2025
Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L
GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.50	7.45	7.55	0.53	3.2
	2	6.60	6.55	6.65	0.51	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.43	9
	2	3.60	3.55	3.65	0.48	
Heptachlor	1	4.91	4.86	4.96	0.43	9.8
	2	3.94	3.89	3.99	0.47	
Heptachlor epoxide	1	5.68	5.63	5.73	0.44	8.2
	2	4.72	4.67	4.77	0.48	
Endrin	1	6.57	6.52	6.62	0.45	7.9
	2	5.63	5.58	5.68	0.49	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094684.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 17:33
Operator : AR\AJ
Sample : PB167020TB
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167020TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 11:12:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.769	48409580	62834662	17.102	17.604
28)	SA Decachlor...	9.049	7.903	45646313	72402933	21.659	17.924
	Target Compounds						

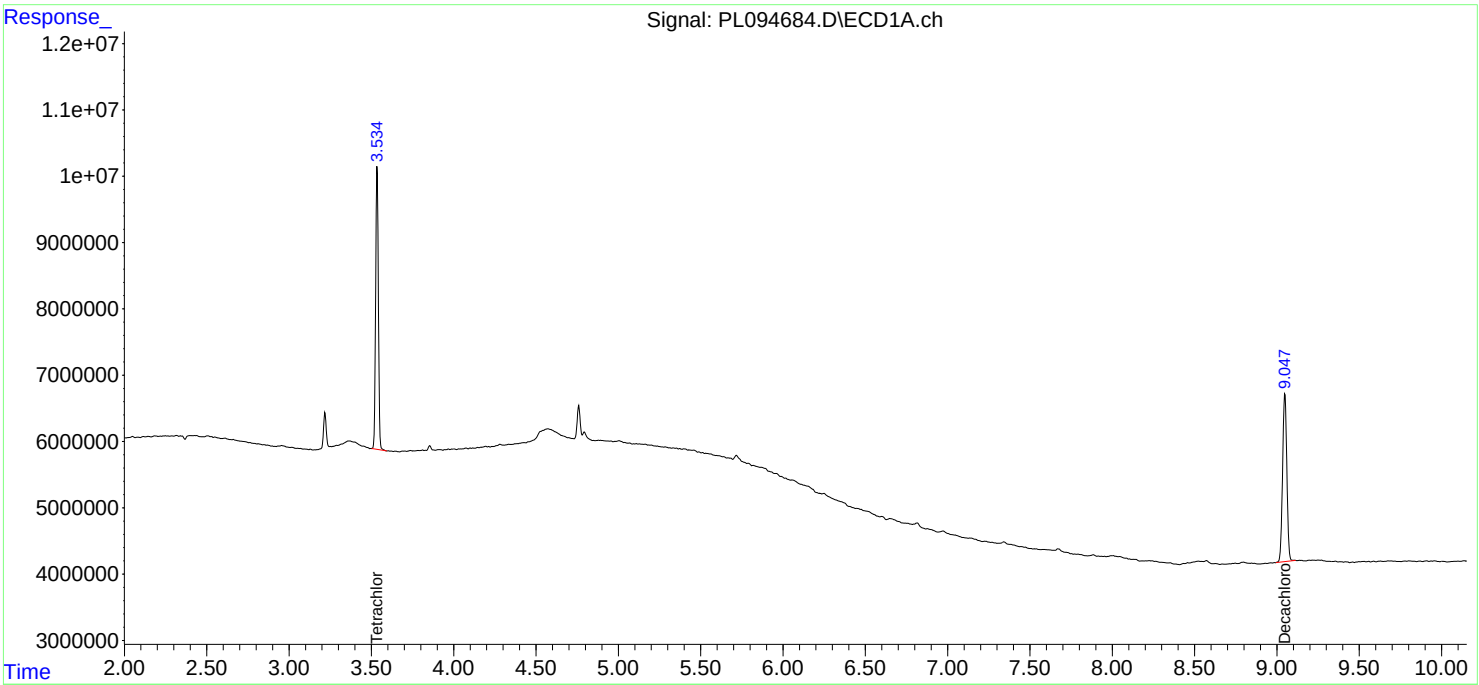
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

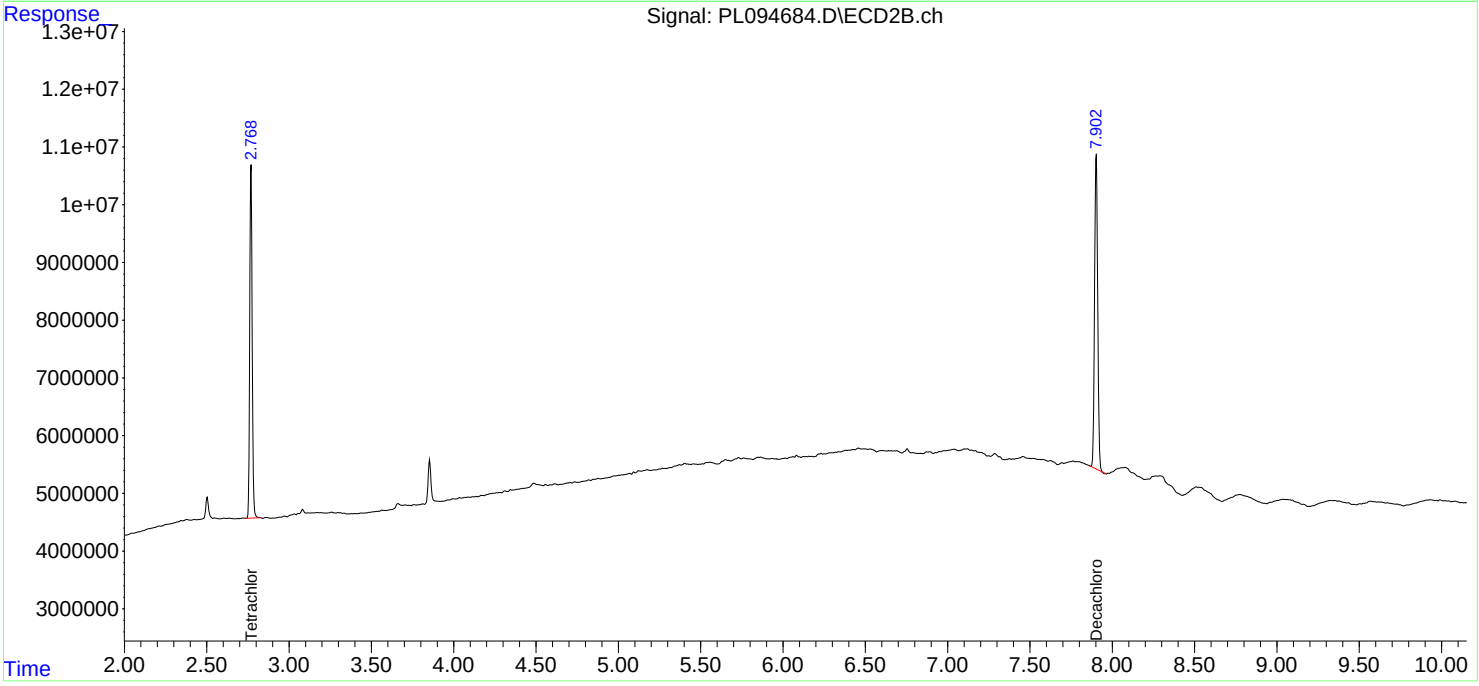
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094684.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 17:33
Operator : AR\AJ
Sample : PB167020TB
Misc :
ALS Vial : 18 Sample Multiplier: 1

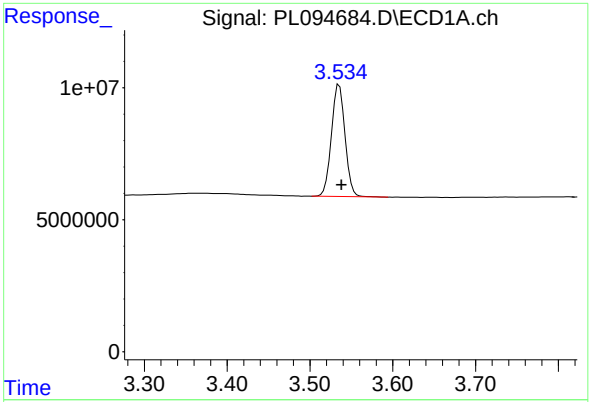
Instrument :
ECD_L
ClientSampleId :
PB167020TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 11:12:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm



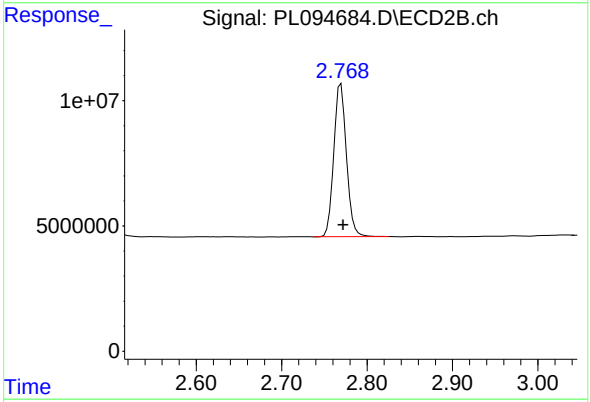




#1 Tetrachloro-m-xylene

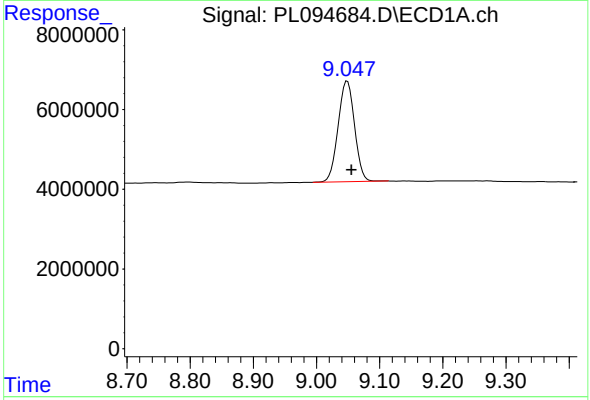
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 48409580
Conc: 17.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167020TB



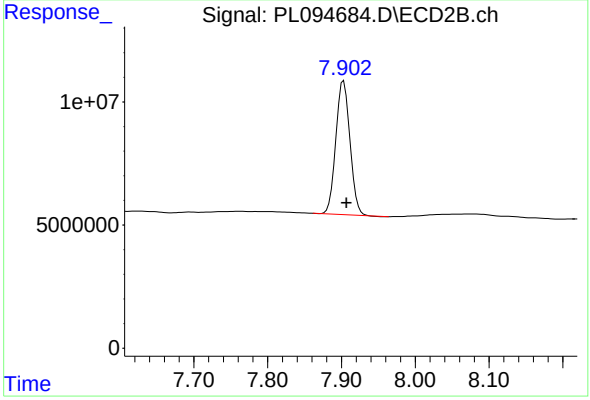
#1 Tetrachloro-m-xylene

R.T.: 2.769 min
Delta R.T.: -0.002 min
Response: 62834662
Conc: 17.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.007 min
Response: 45646313
Conc: 21.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 72402933
Conc: 17.92 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 21:00
Operator : AR\AJ
Sample : Q1514-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ENV-105-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:38:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.772	55408159	70717323	19.574	19.813
28)	SA Decachlor...	9.050	7.903	51606897	93661891	24.488	23.187
	Target Compounds						

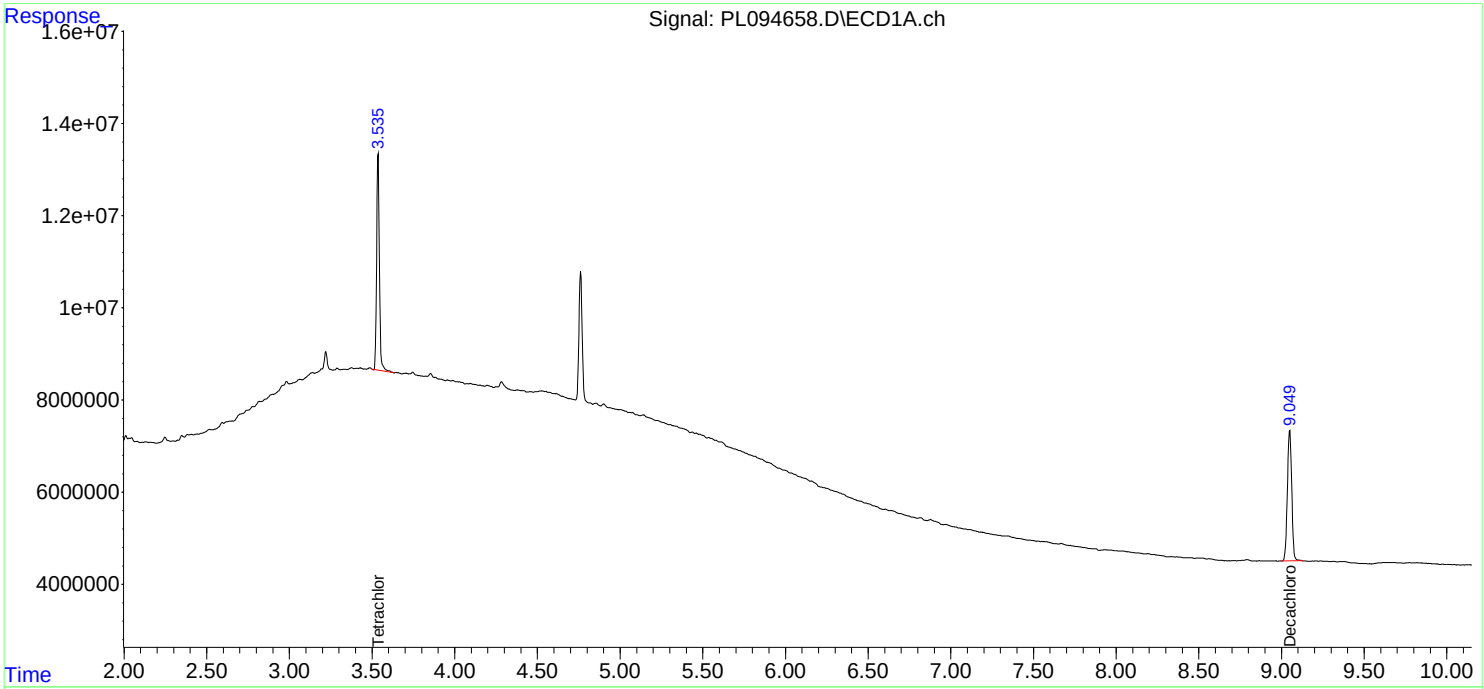
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

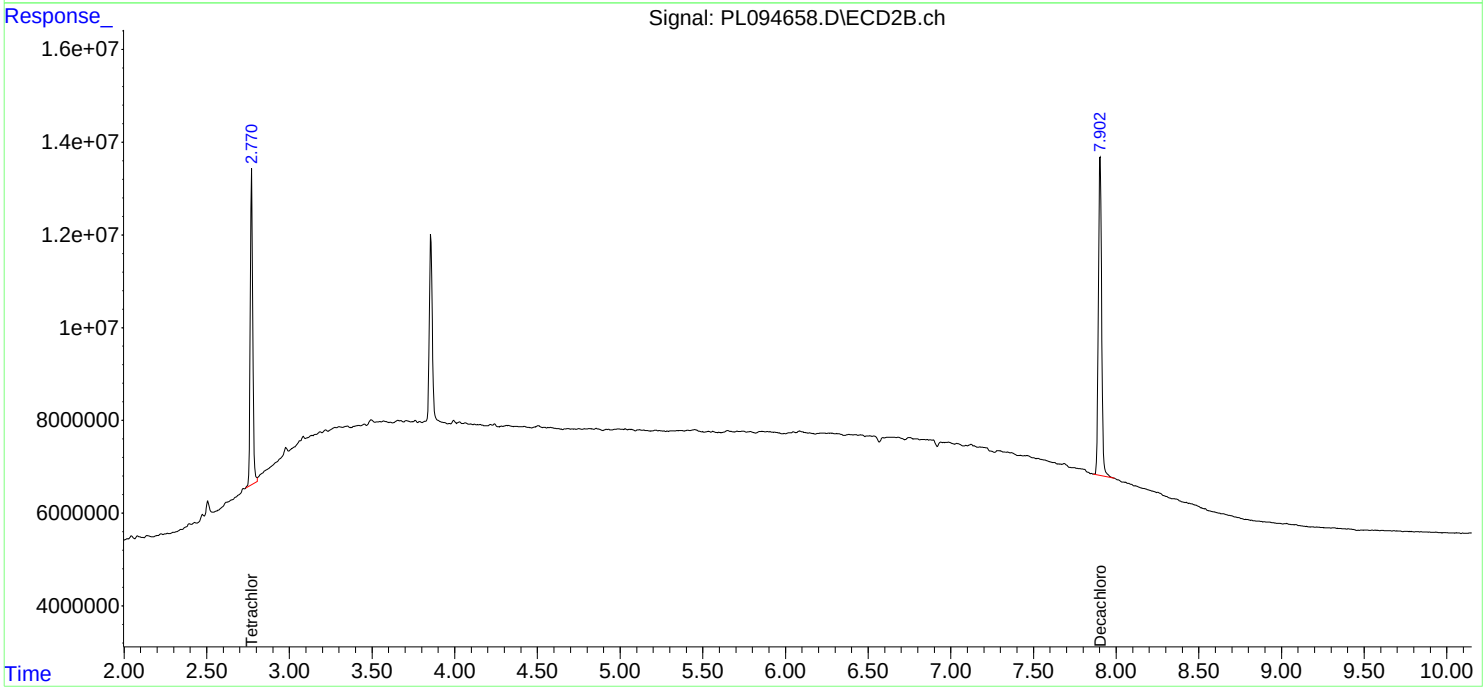
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 21:00
Operator : AR\AJ
Sample : Q1514-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

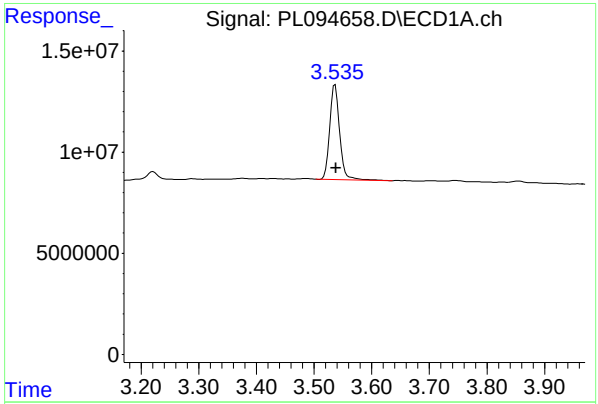
Instrument :
ECD_L
ClientSampleId :
ENV-105-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:38:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm



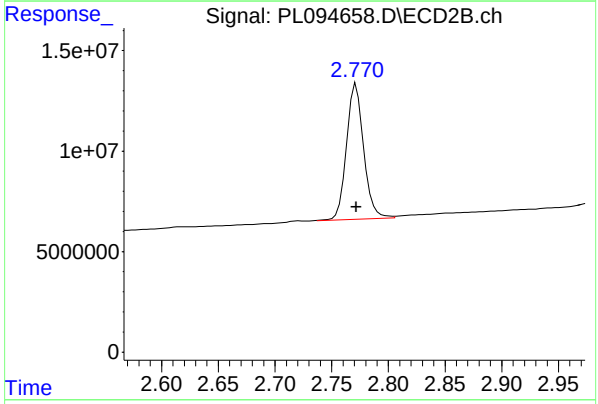




#1 Tetrachloro-m-xylene

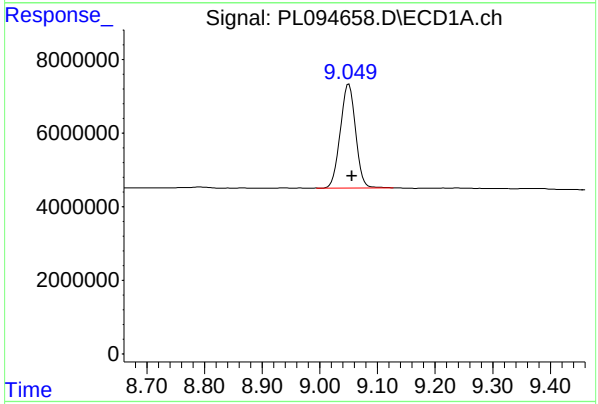
R.T.: 3.537 min
Delta R.T.: -0.001 min
Response: 55408159
Conc: 19.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-105-SB01



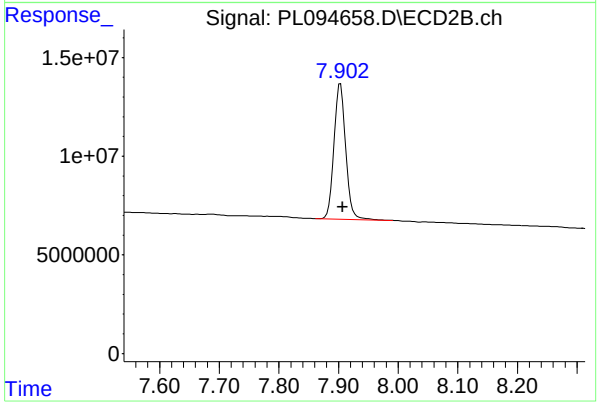
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 70717323
Conc: 19.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 51606897
Conc: 24.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.004 min
Response: 93661891
Conc: 23.19 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094659.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 21:13
Operator : AR\AJ
Sample : Q1514-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ENV-105-SB02

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:38:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.770	58845274	76030632	20.788m	21.301m
28)	SA Decachlor...	9.050	7.903	47261425	88193627	22.426	21.834
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

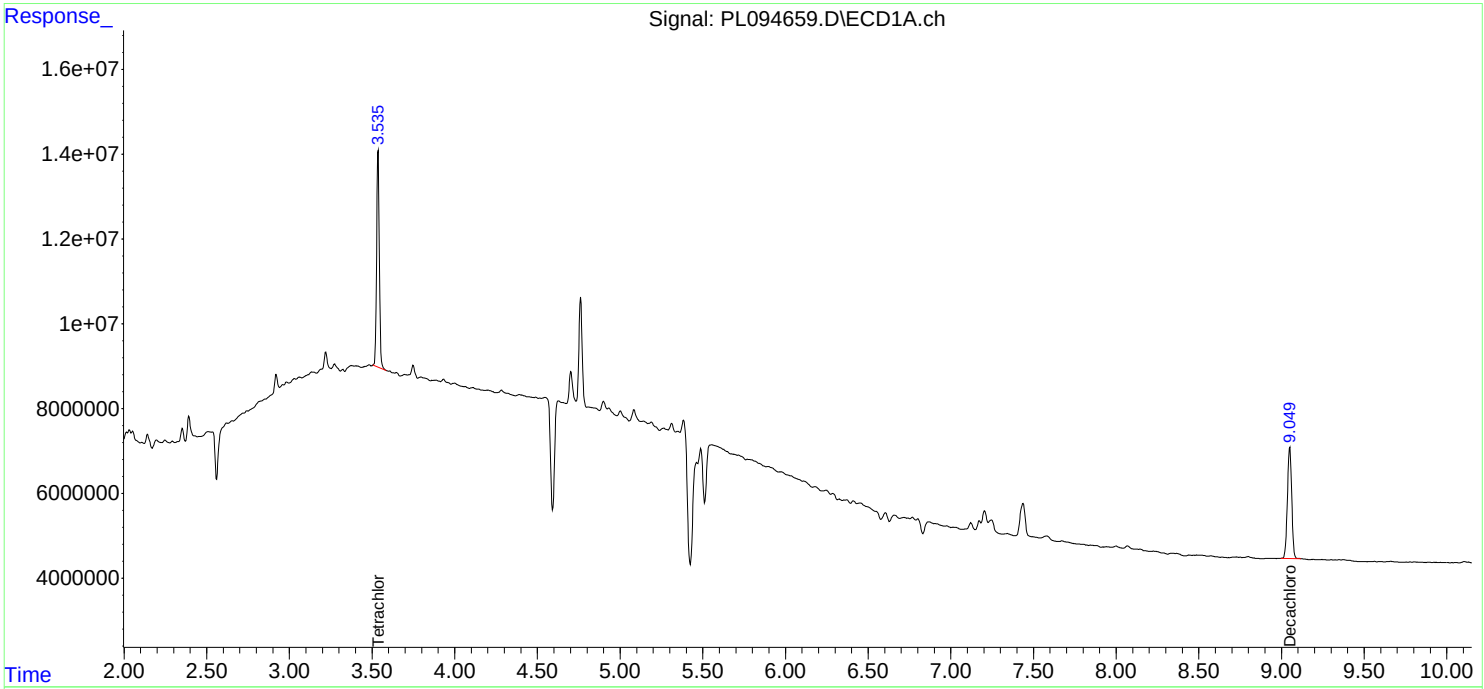
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094659.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 21:13
Operator : AR\AJ
Sample : Q1514-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

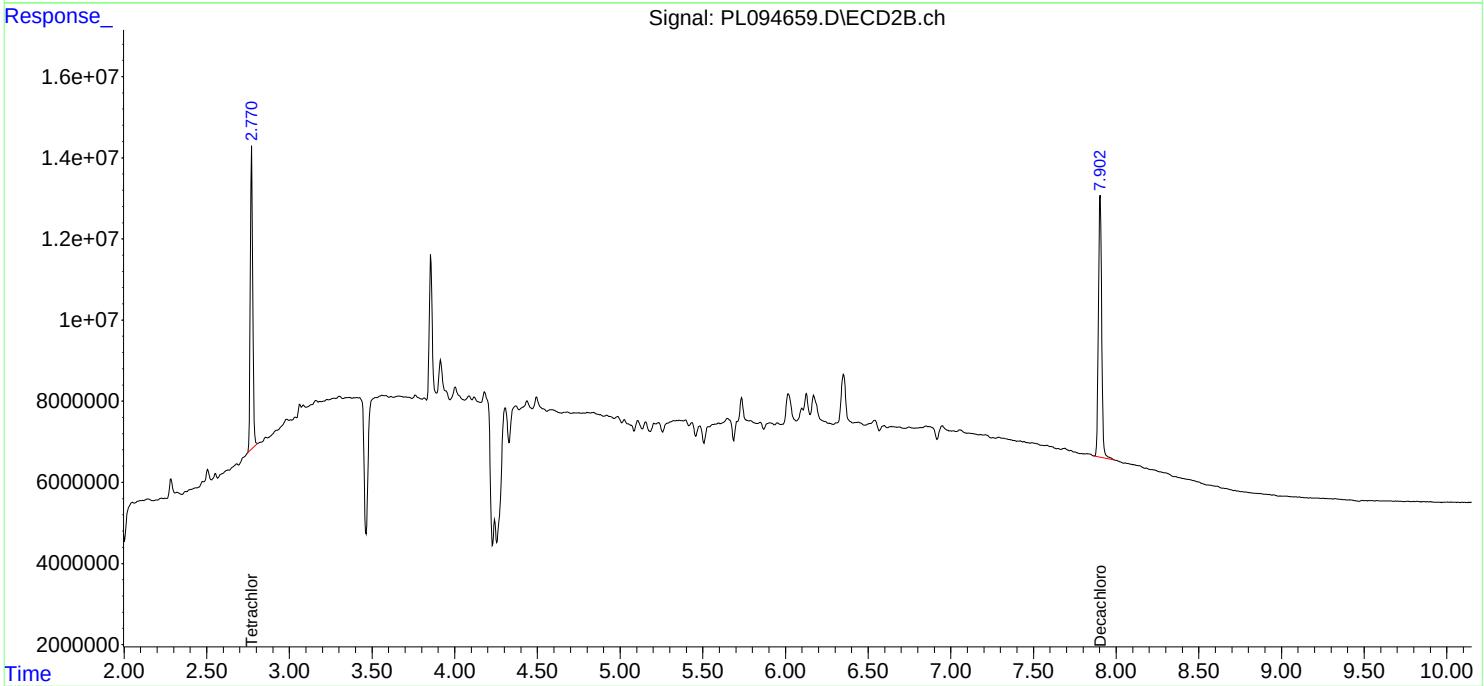
Instrument :
ECD_L
ClientSampleId :
ENV-105-SB02

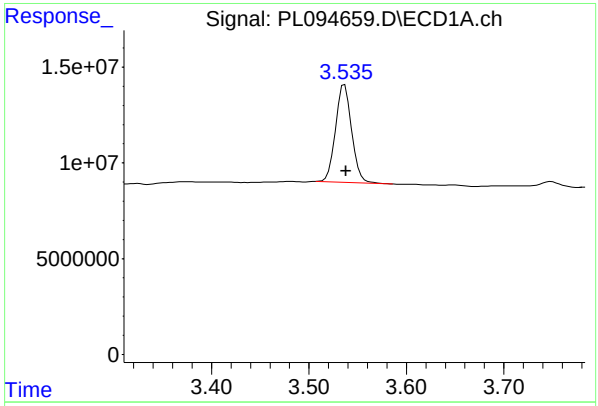
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:38:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm







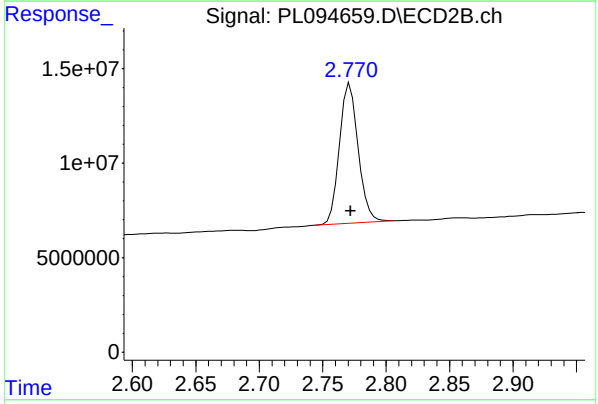
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 mi
Response: 58845274
Conc: 20.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-105-SB02

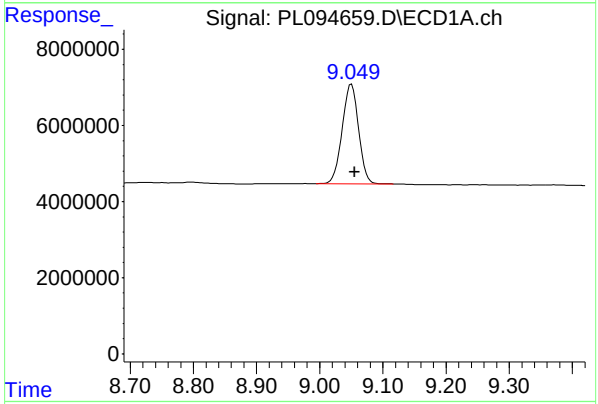
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



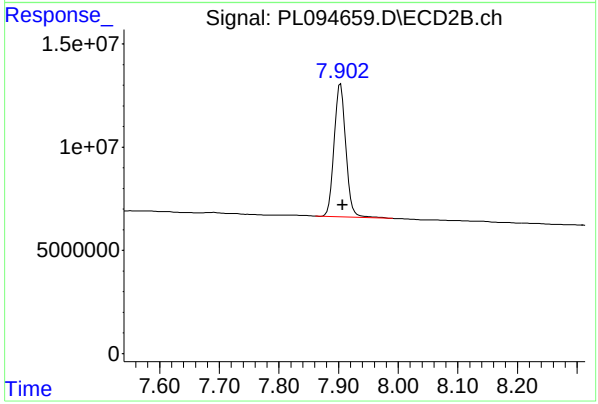
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 76030632
Conc: 21.30 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 47261425
Conc: 22.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.003 min
Response: 88193627
Conc: 21.83 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094660.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 21:27
Operator : AR\AJ
Sample : Q1514-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ENV-103-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:38:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.771	58497340	74604258	20.666	20.902
28)	SA Decachlor...	9.050	7.903	53321330	95713244	25.301	23.695
	Target Compounds						

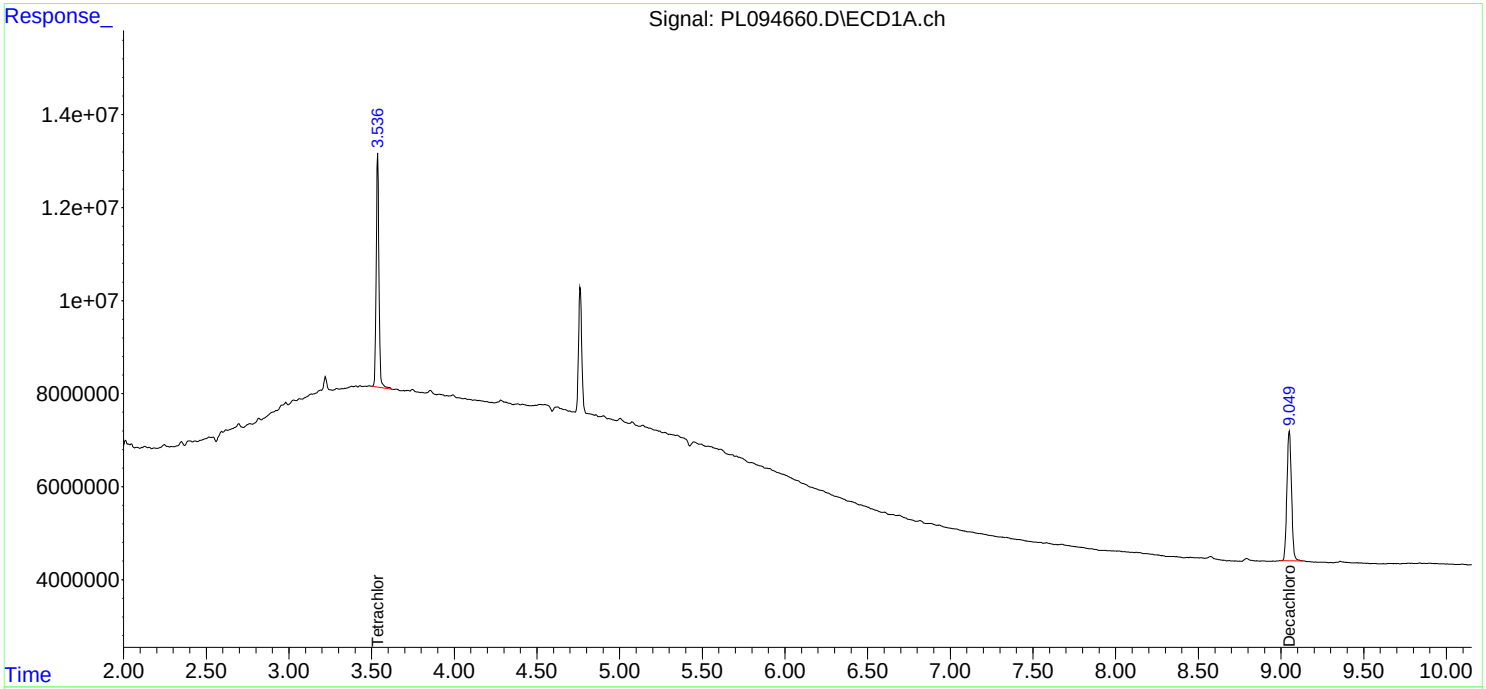
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

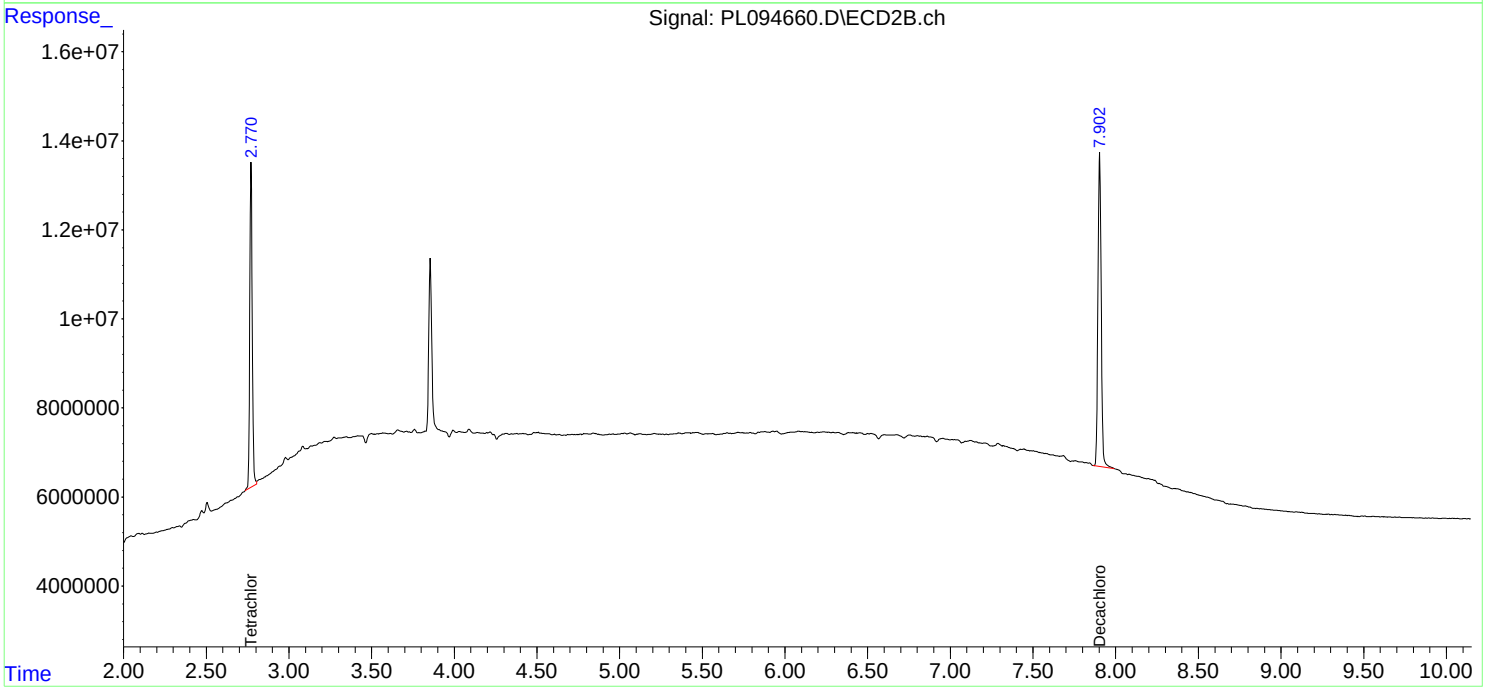
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094660.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 21:27
Operator : AR\AJ
Sample : Q1514-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

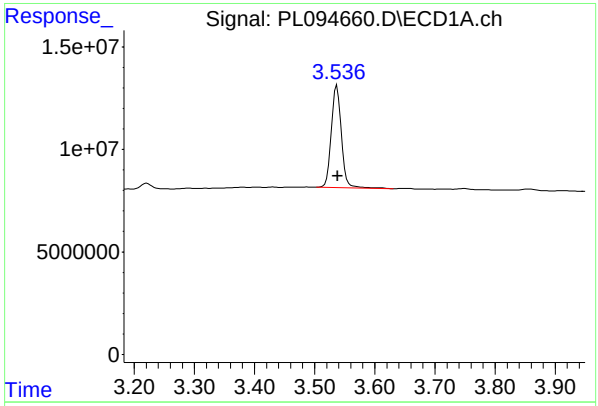
Instrument :
ECD_L
ClientSampleId :
ENV-103-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:38:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm



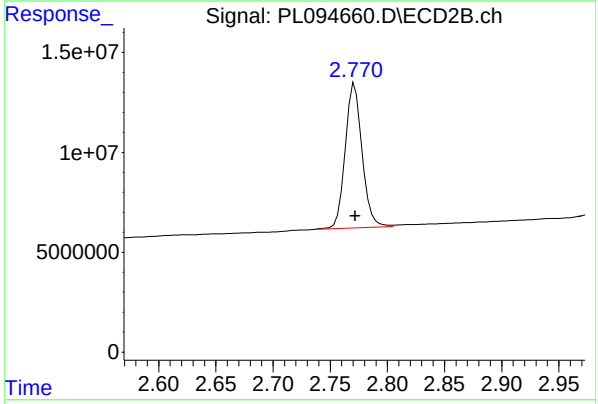




#1 Tetrachloro-m-xylene

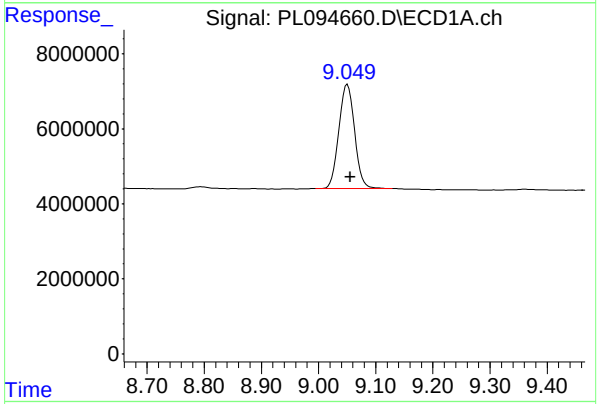
R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 58497340
Conc: 20.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-103-SB01



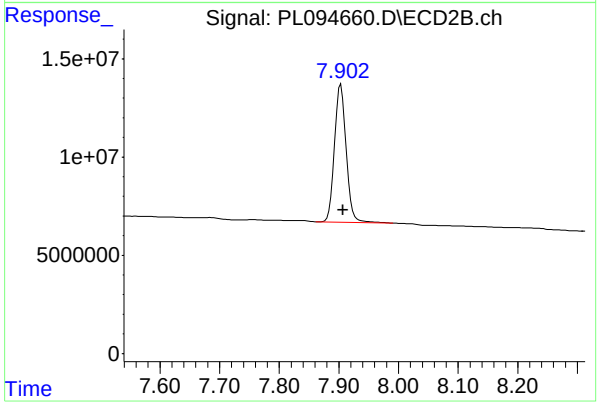
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 74604258
Conc: 20.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.050 min
Delta R.T.: -0.005 min
Response: 53321330
Conc: 25.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.903 min
Delta R.T.: -0.003 min
Response: 95713244
Conc: 23.70 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094682.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 16:34
Operator : AR\AJ
Sample : PB167091BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167091BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 11:12:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.535	2.770	60028992	78141153	21.207	21.893
28)	SA Decachlor...	9.049	7.902	54392054	85796575	25.809	21.240
	Target Compounds						

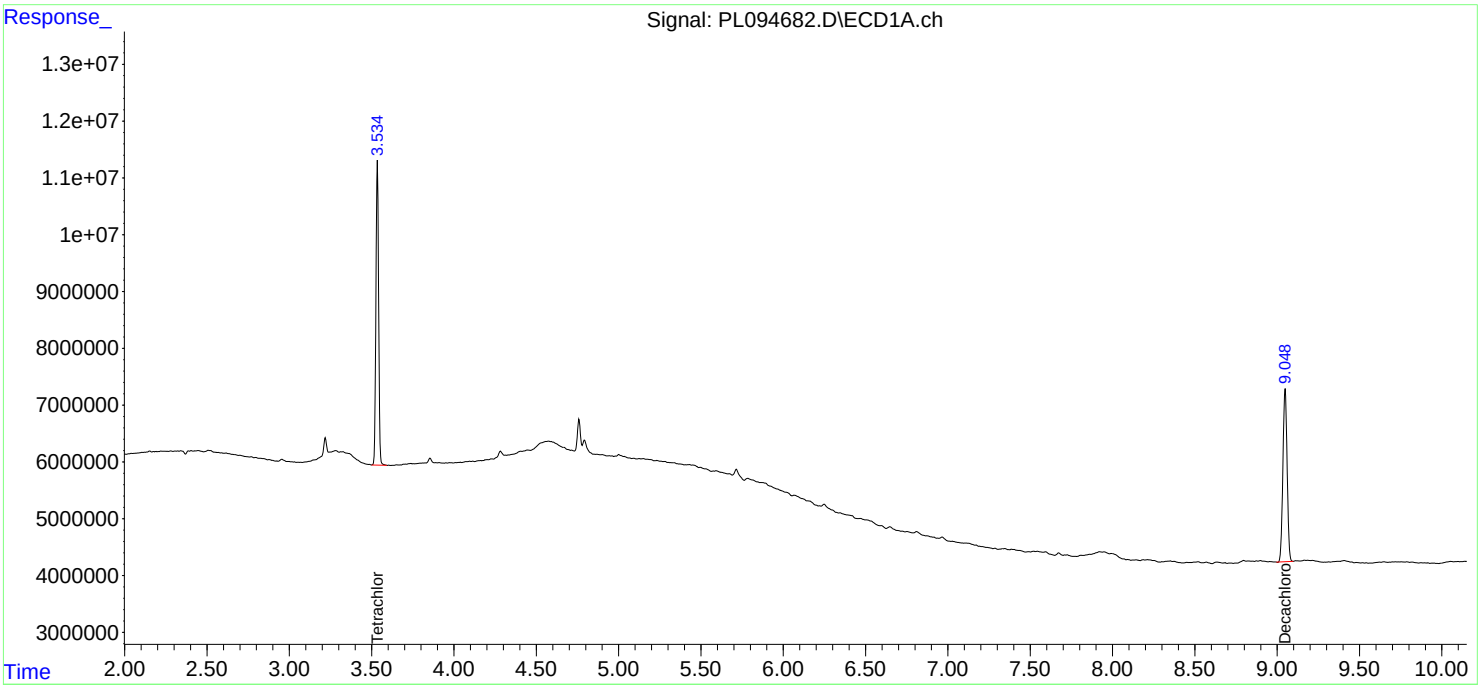
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

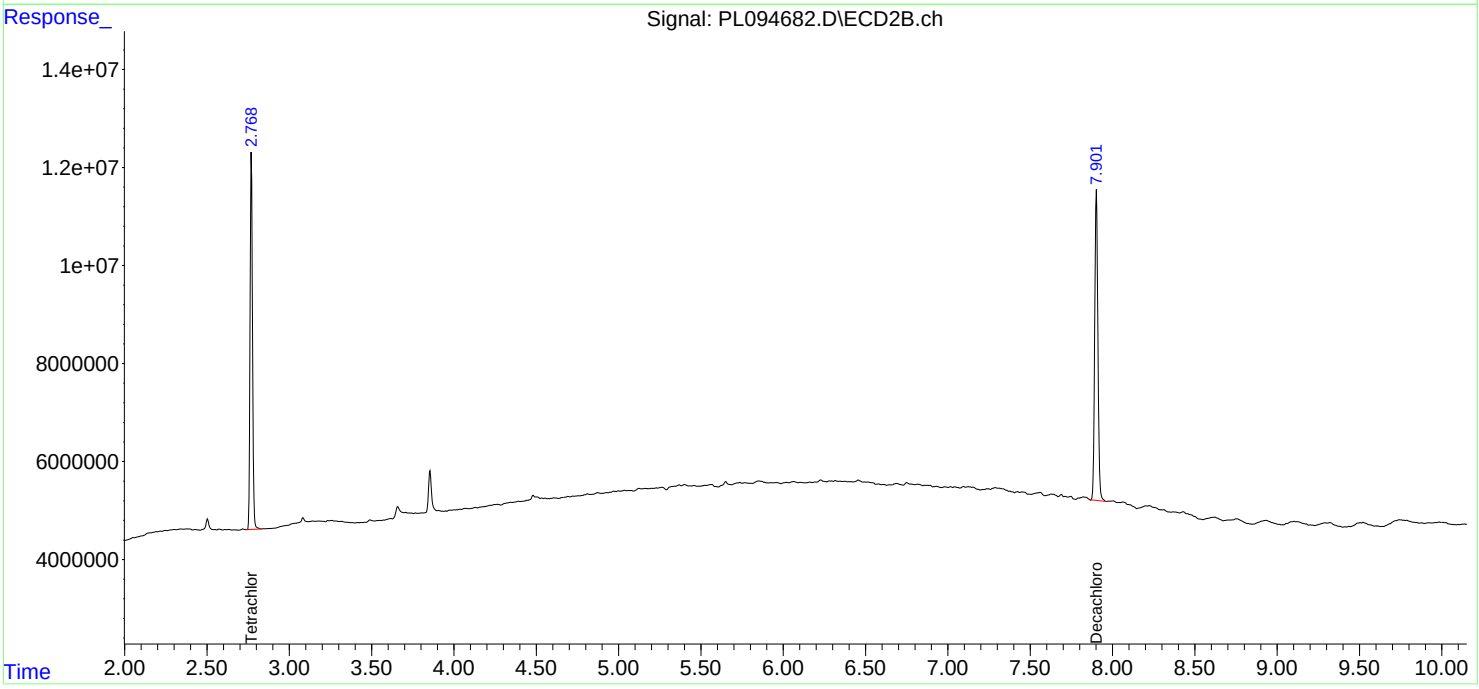
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094682.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 16:34
Operator : AR\AJ
Sample : PB167091BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

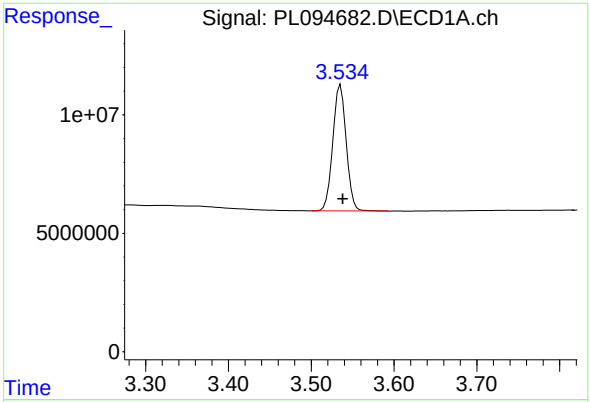
Instrument :
ECD_L
ClientSampleId :
PB167091BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 11:12:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm



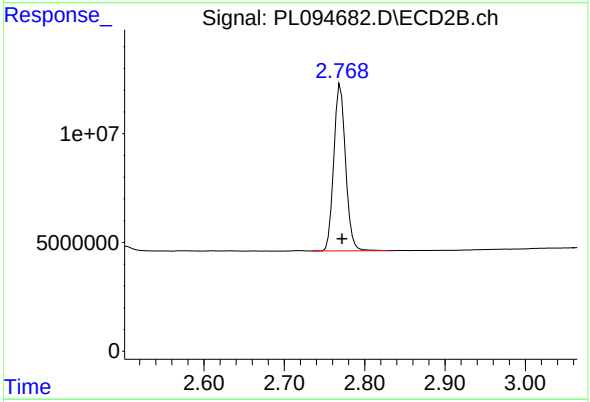




#1 Tetrachloro-m-xylene

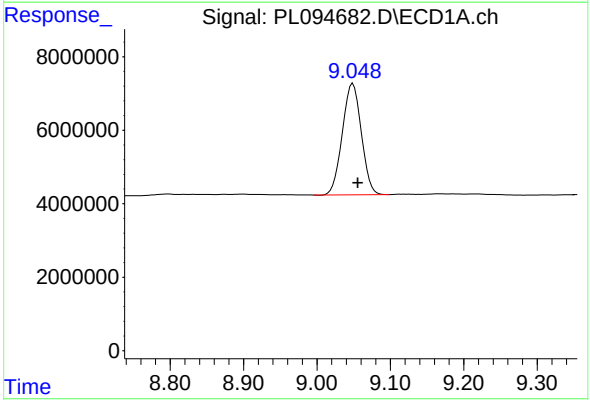
R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 60028992
Conc: 21.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167091BL



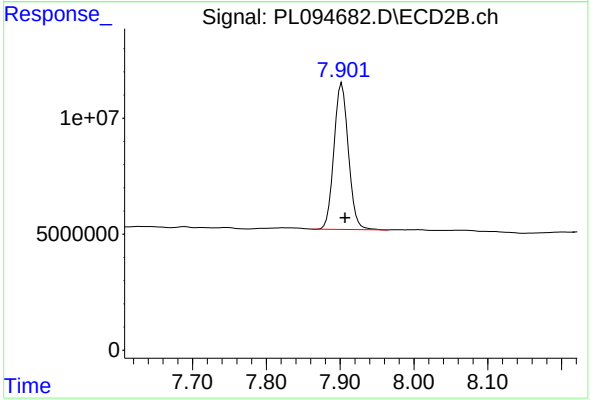
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 78141153
Conc: 21.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.049 min
Delta R.T.: -0.007 min
Response: 54392054
Conc: 25.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.004 min
Response: 85796575
Conc: 21.24 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094683.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 17:20
Operator : AR\AJ
Sample : PB167091BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167091BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/14/2025
Supervised By :mohammad ahmed 03/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 11:12:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.769	54396223	74071628	19.217	20.753
28)	SA Decachlor...	9.051	7.903	51398003	80936186	24.389	20.037
	Target Compounds						
2)	A alpha-BHC	3.994	3.271	180.3E6	259.4E6	43.420	48.117
3)	MA gamma-BHC...	4.326	3.601	173.5E6	244.4E6	43.481	47.558
4)	MA Heptachlor	4.914	3.939	166.9E6	249.9E6	43.004	47.423
5)	MB Aldrin	5.255	4.218	159.0E6	231.6E6	43.073	47.498
6)	B beta-BHC	4.525	3.901	78708436	108.8E6	42.655	48.997
7)	B delta-BHC	4.772	4.130	179.7E6	245.7E6	46.133	49.128
8)	B Heptachlo...	5.682	4.721	148.7E6	221.0E6	44.447	48.270
9)	A Endosulfan I	6.067	5.090	137.2E6	210.7E6	44.680	48.015
10)	B gamma-Chl...	5.938	4.971	149.5E6	233.1E6	44.360	48.283
11)	B alpha-Chl...	6.017	5.034	146.7E6	229.3E6	44.483	48.047
12)	B 4,4'-DDE	6.191	5.221	142.5E6	233.9E6	48.434	50.325m
13)	MA Dieldrin	6.342	5.354	144.7E6	236.6E6	45.247	48.757
14)	MA Endrin	6.572	5.630	125.9E6	214.6E6	45.426	49.180
15)	B Endosulfa...	6.792	5.925	127.6E6	208.9E6	47.013	48.257
16)	A 4,4'-DDD	6.709	5.778	111.5E6	185.4E6	51.488	51.563
17)	MA 4,4'-DDT	7.022	6.028	118.6E6	206.1E6	49.879	51.120
18)	B Endrin al...	6.923	6.104	99371539	163.6E6	47.073	48.602
19)	B Endosulfa...	7.156	6.327	117.2E6	204.8E6	48.177	50.278
20)	A Methoxychlor	7.498	6.603	63553076	109.1E6	53.090	51.416
21)	B Endrin ke...	7.642	6.831	132.5E6	235.1E6	50.145	49.253m
22)	Mirex	8.114	7.010	98074894	173.2E6	47.464	45.642m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

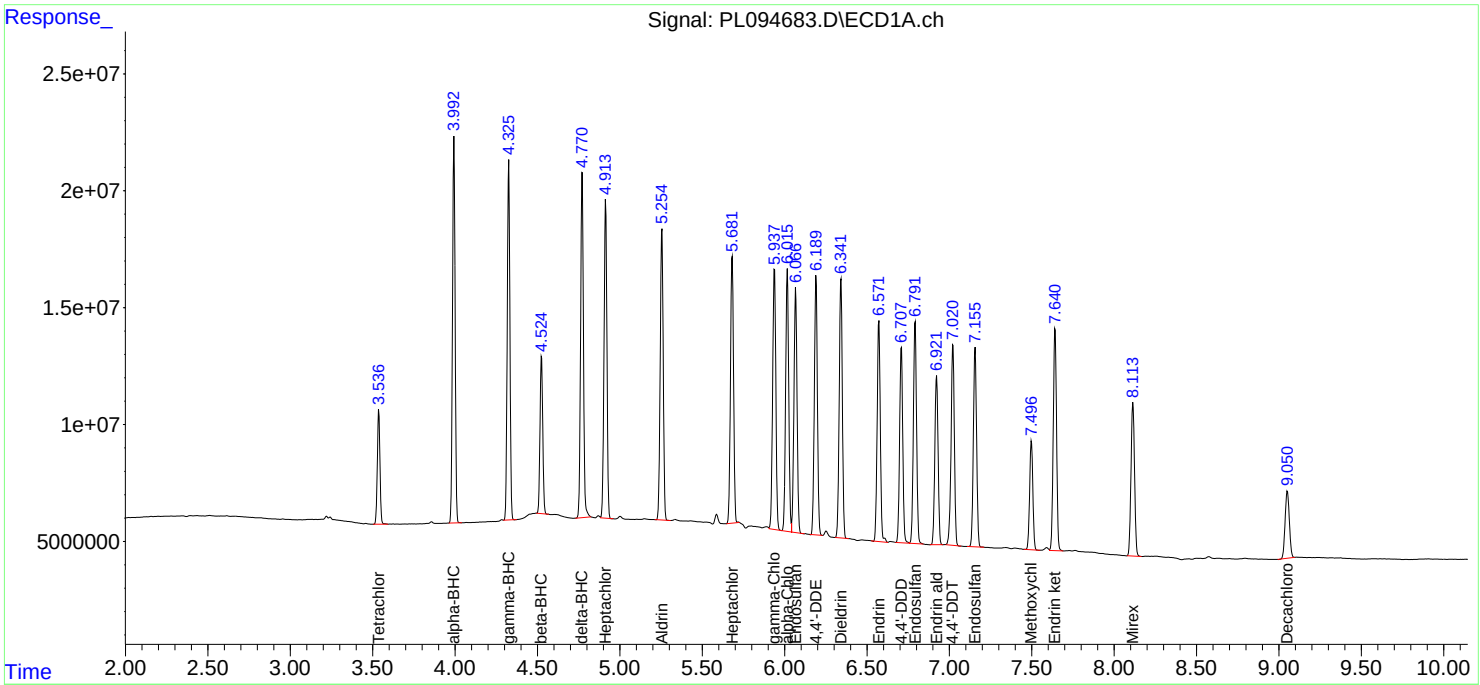
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031325\
Data File : PL094683.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Mar 2025 17:20
Operator : AR\AJ
Sample : PB167091BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

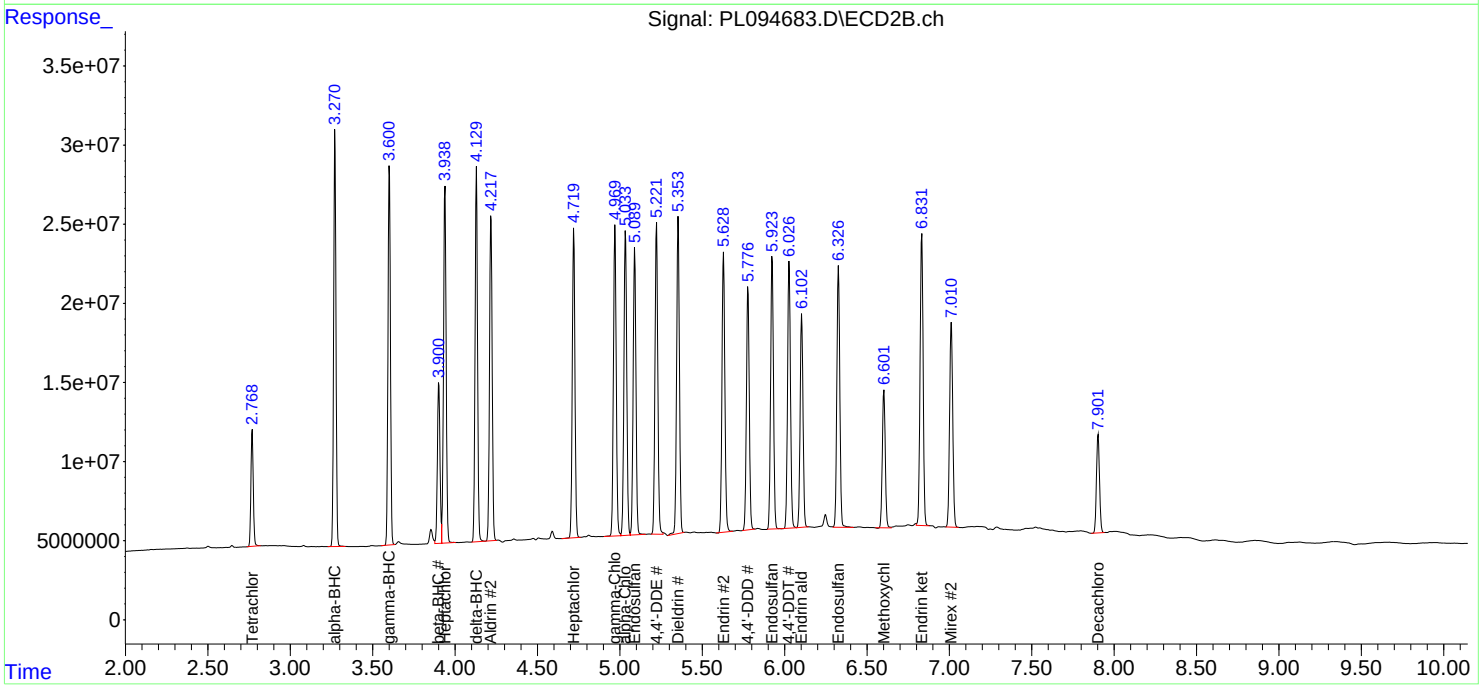
Instrument :
ECD_L
ClientSampleId :
PB167091BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/14/2025
Supervised By :mohammad ahmed 03/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 14 11:12:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094648.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 18:29
Operator : AR\AJ
Sample : Q1488-02MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:35:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.537	2.772	58418796	76941111	20.638	21.557
28)	SA Decachlor...	9.051	7.904	58727746	108.4E6	27.867	26.831
	Target Compounds						
2)	A alpha-BHC	3.993	3.272	220.4E6	303.6E6	53.082	56.319m
3)	MA gamma-BHC...	4.324	3.603	294.5E6	339.4E6	73.803m	66.045
4)	MA Heptachlor	4.913	3.941	200.3E6	282.3E6	51.590	53.577
5)	MB Aldrin	5.254	4.219	190.5E6	271.2E6	51.597	55.620
6)	B beta-BHC	4.524	3.903	93685857	127.7E6	50.772	57.479
7)	B delta-BHC	4.770	4.131	244.1E6	295.2E6	62.678	59.008
8)	B Heptachlo...	5.681	4.722	178.0E6	257.8E6	53.214	56.312
9)	A Endosulfan I	6.066	5.092	162.4E6	246.5E6	52.884	56.176
10)	B gamma-Chl...	5.937	4.972	176.7E6	270.2E6	52.453	55.967
11)	B alpha-Chl...	6.016	5.035	174.3E6	265.0E6	52.855	55.531
12)	B 4,4'-DDE	6.189	5.224	167.3E6	265.9E6	56.880	57.197
13)	MA Dieldrin	6.342	5.356	177.9E6	276.1E6	55.619	56.902
14)	MA Endrin	6.571	5.631	144.1E6	252.6E6	51.985	57.894
15)	B Endosulfa...	6.791	5.926	152.5E6	249.6E6	56.189	57.675
16)	A 4,4'-DDD	6.708	5.779	131.5E6	220.4E6	60.720	61.293
17)	MA 4,4'-DDT	7.021	6.029	137.7E6	234.8E6	57.895	58.224
18)	B Endrin al...	6.922	6.106	113.4E6	189.3E6	53.741	56.259
19)	B Endosulfa...	7.156	6.328	138.9E6	242.5E6	57.100	59.533
20)	A Methoxychlor	7.497	6.604	68590351	119.8E6	57.298	56.475
21)	B Endrin ke...	7.641	6.833	156.0E6	287.5E6	59.025	60.234
22)	Mirex	8.113	7.011	114.3E6	212.4E6	55.333	55.960m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

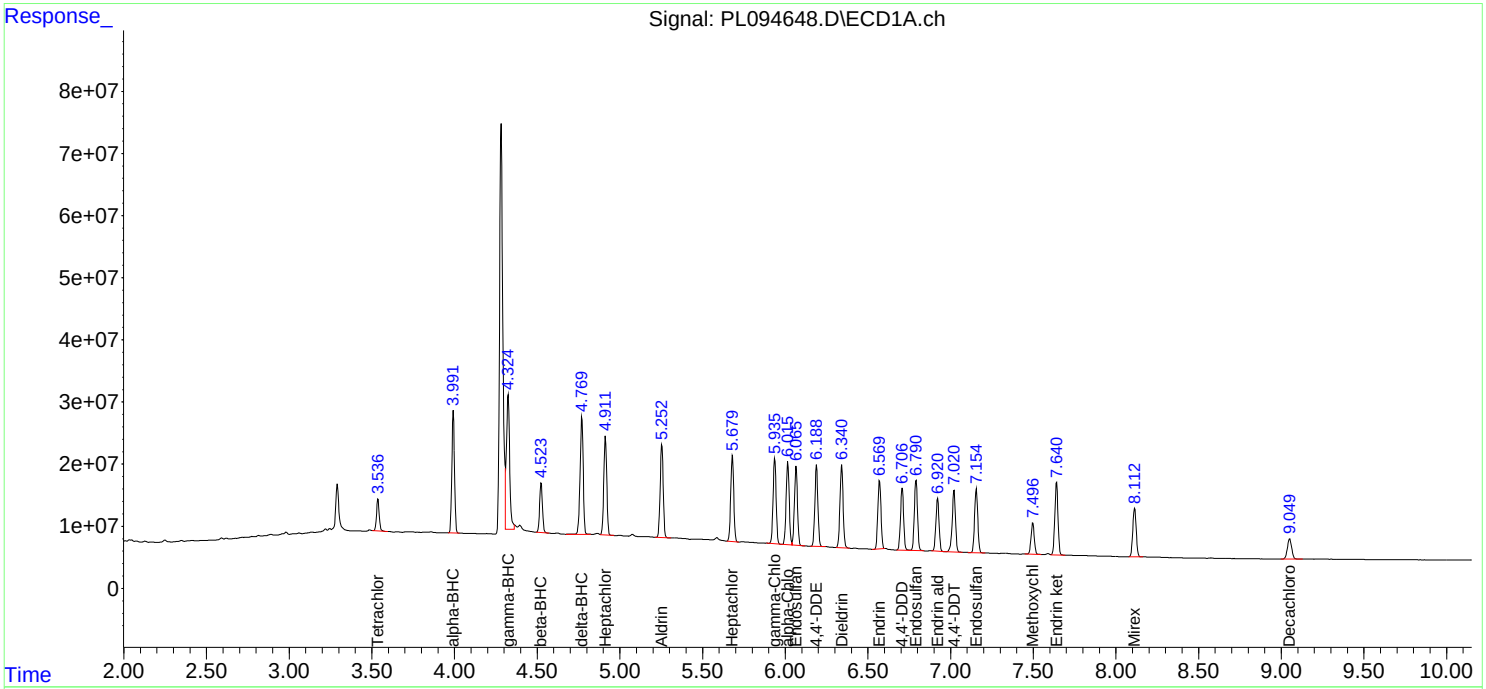
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094648.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 18:29
Operator : AR\AJ
Sample : Q1488-02MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

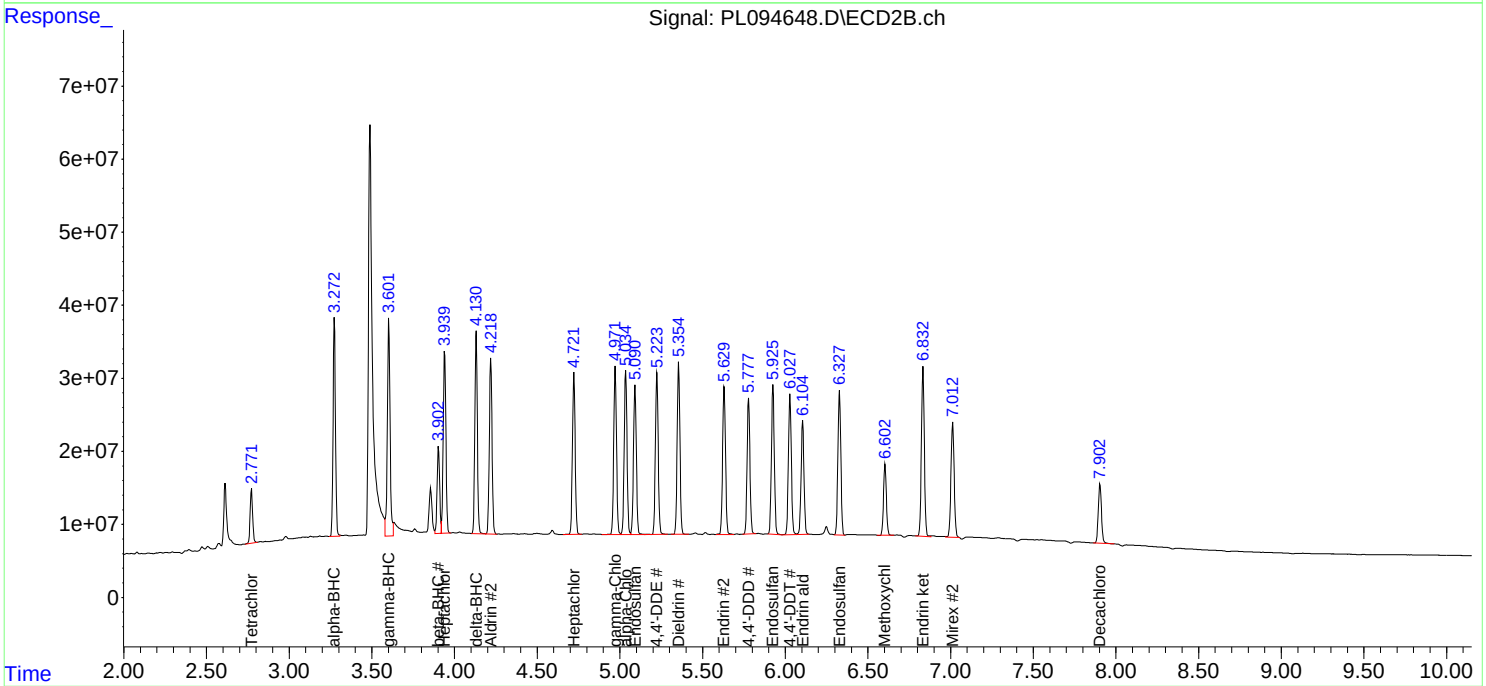
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:35:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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 x0.25µm

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094649.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 18:42
Operator : AR\AJ
Sample : Q1488-02MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/14/2025
Supervised By :mohammad ahmed 03/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:36:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.537	2.771	59099118	77716626	20.878	21.774
28) SA	Decachlor...	9.051	7.903	58639076	107.7E6	27.825	26.665
	Target Compounds						
2) A	alpha-BHC	3.993	3.273	220.9E6	309.2E6	53.193	57.360
3) MA	gamma-BHC...	4.323	3.601	289.7E6	344.4E6	72.591m	67.002m
4) MA	Heptachlor	4.912	3.940	197.4E6	283.3E6	50.851	53.773
5) MB	Aldrin	5.254	4.219	186.9E6	272.3E6	50.611	55.840
6) B	beta-BHC	4.524	3.903	93228879	127.5E6	50.525	57.389
7) B	delta-BHC	4.770	4.131	233.3E6	295.5E6	59.911	59.079
8) B	Heptachlo...	5.681	4.722	175.3E6	258.2E6	52.410	56.384
9) A	Endosulfan I	6.066	5.092	159.7E6	246.8E6	52.024	56.224
10) B	gamma-Chl...	5.937	4.972	174.8E6	271.1E6	51.864	56.138
11) B	alpha-Chl...	6.016	5.036	171.9E6	265.6E6	52.126	55.655
12) B	4,4'-DDE	6.190	5.224	166.7E6	265.7E6	56.654	57.148
13) MA	Dieldrin	6.341	5.356	173.7E6	275.6E6	54.311	56.800
14) MA	Endrin	6.570	5.631	144.4E6	252.6E6	52.094m	57.895
15) B	Endosulfa...	6.791	5.926	149.2E6	249.7E6	54.959	57.684
16) A	4,4'-DDD	6.707	5.779	128.7E6	220.7E6	59.422	61.386
17) MA	4,4'-DDT	7.021	6.029	135.8E6	233.4E6	57.099	57.874
18) B	Endrin al...	6.921	6.105	112.4E6	188.8E6	53.249	56.104
19) B	Endosulfa...	7.157	6.328	136.8E6	242.1E6	56.264	59.432
20) A	Methoxychlor	7.498	6.604	67588959	119.3E6	56.462	56.234
21) B	Endrin ke...	7.641	6.833	154.6E6	286.0E6	58.482	59.917
22)	Mirex	8.113	7.013	113.6E6	212.5E6	54.973	55.986

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

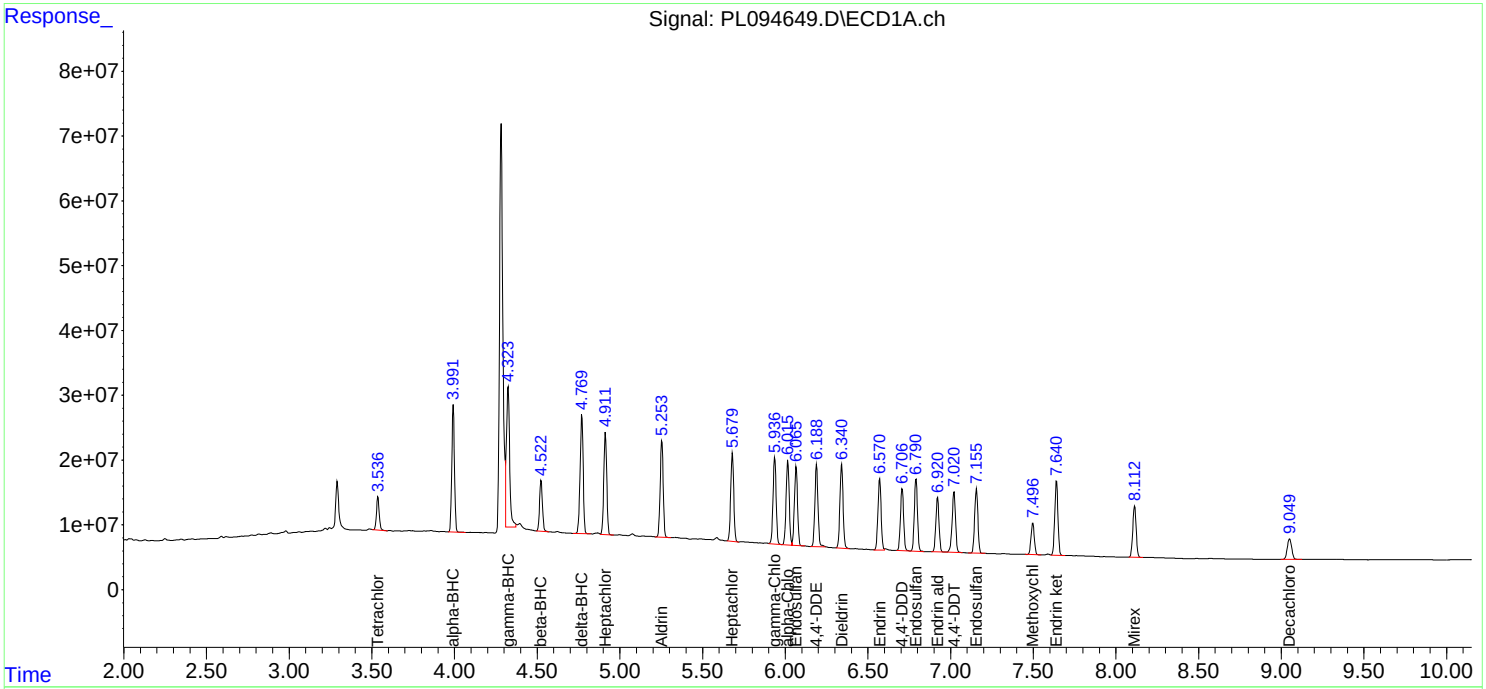
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094649.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 18:42
Operator : AR\AJ
Sample : Q1488-02MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

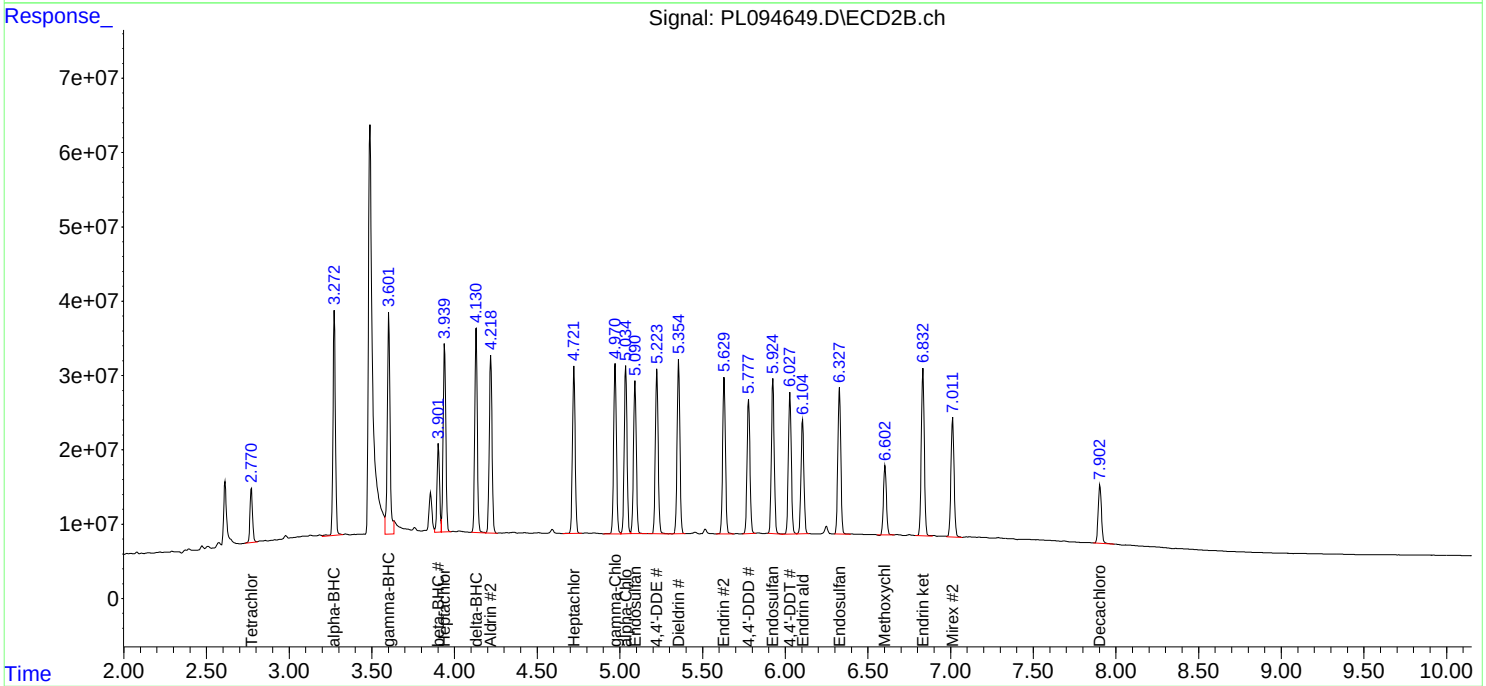
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:36:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
Response via : Initial Calibration
Integrator: ChemStation

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 x0.25µm

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/14/2025
Supervised By :mohammad ahmed 03/18/2025





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

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094567.D	4,4"-DDD	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	4,4"-DDD #2	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin aldehyde	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin ketone	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
PEM	PL094567.D	Endrin ketone #2	Abdul	3/12/2025 12:46:01 PM	Ankita	3/12/2025 2:34:07	Peak Integrated by Software
RESCHK	PL094568.D	gamma-Chlordane #2	Abdul	3/12/2025 12:46:05 PM	Ankita	3/12/2025 2:34:09	Peak Integrated by Software
PSTDICC100	PL094569.D	Methoxychlor	Abdul	3/12/2025 12:46:08 PM	Ankita	3/12/2025 2:34:10	Peak Integrated by Software
PSTDICC100	PL094569.D	Mirex	Abdul	3/12/2025 12:46:08 PM	Ankita	3/12/2025 2:34:10	Peak Integrated by Software
PSTDICC075	PL094570.D	Mirex	Abdul	3/12/2025 12:46:12 PM	Ankita	3/12/2025 2:34:12	Peak Integrated by Software
PSTDICC005	PL094573.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PSTDICC005	PL094573.D	Dieldrin #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PSTDICC005	PL094573.D	Endrin ketone #2	Abdul	3/12/2025 12:46:16 PM	Ankita	3/12/2025 2:34:14	Peak Integrated by Software
PEM	PL094588.D	4,4"-DDD	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094588.D	4,4"-DDE	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin aldehyde	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Endrin ketone	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PEM	PL094588.D	Methoxychlor #2	Abdul	3/12/2025 12:46:32 PM	Ankita	3/12/2025 2:34:21	Peak Integrated by Software
PSTDCCC050	PL094589.D	4,4"-DDE #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Dieldrin #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Endrin	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	Endrin #2	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094589.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:46:36 PM	Ankita	3/12/2025 2:34:22	Peak Integrated by Software
PSTDCCC050	PL094598.D	4,4"-DDE	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094598.D	Endrin	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PSTDCCC050	PL094598.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PSTDCCC050	PL094598.D	Heptachlor epoxide #2	Abdul	3/12/2025 12:47:00 PM	Ankita	3/12/2025 2:35:02	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDD	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDE	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin aldehyde	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PEM	PL094606.D	Endrin ketone #2	Abdul	3/12/2025 12:47:20 PM	Ankita	3/12/2025 2:35:07	Peak Integrated by Software
PSTDCCC050	PL094607.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094607.D	Dieldrin #2	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094607.D	Endrin	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL031125	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094607.D	gamma-BHC (Lindane)	Abdul	3/12/2025 12:47:24 PM	Ankita	3/12/2025 2:35:09	Peak Integrated by Software
PSTDCCC050	PL094618.D	4,4"-DDD	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	4,4"-DDE #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Dieldrin #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Endosulfan I #2	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software
PSTDCCC050	PL094618.D	Endrin	Abdul	3/12/2025 12:47:46 PM	Ankita	3/12/2025 2:35:26	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL031225	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094621.D	4,4"-DDD	Abdul	3/13/2025 8:32:01 AM	Ankita	3/13/2025 11:41:55	Peak Integrated by Software
PEM	PL094621.D	4,4"-DDE	Abdul	3/13/2025 8:32:01 AM	Ankita	3/13/2025 11:41:55	Peak Integrated by Software
PEM	PL094621.D	4,4"-DDE #2	Abdul	3/13/2025 8:32:01 AM	Ankita	3/13/2025 11:41:55	Peak Integrated by Software
PEM	PL094621.D	Endrin	Abdul	3/13/2025 8:32:01 AM	Ankita	3/13/2025 11:41:55	Peak Integrated by Software
PEM	PL094621.D	Endrin aldehyde	Abdul	3/13/2025 8:32:01 AM	Ankita	3/13/2025 11:41:55	Peak Integrated by Software
PSTDCCC050	PL094622.D	4,4"-DDE	Abdul	3/13/2025 8:32:05 AM	Ankita	3/13/2025 11:41:57	Peak Integrated by Software
PSTDCCC050	PL094622.D	4,4"-DDE #2	Abdul	3/13/2025 8:32:05 AM	Ankita	3/13/2025 11:41:57	Peak Integrated by Software
PSTDCCC050	PL094622.D	Dieldrin	Abdul	3/13/2025 8:32:05 AM	Ankita	3/13/2025 11:41:57	Peak Integrated by Software
PSTDCCC050	PL094622.D	Endrin	Abdul	3/13/2025 8:32:05 AM	Ankita	3/13/2025 11:41:57	Peak Integrated by Software
PSTDCCC050	PL094629.D	4,4"-DDD	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	4,4"-DDE #2	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	Dieldrin #2	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	Endosulfan II	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL031225	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094629.D	Endrin	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	gamma-BHC (Lindane)	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	gamma-BHC (Lindane) #2	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	gamma-Chlordane	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PSTDCCC050	PL094629.D	Heptachlor epoxide	Abdul	3/13/2025 8:32:27 AM	Ankita	3/13/2025 11:42:24	Peak Integrated by Software
PCHLORCCC500	PL094630.D	Chlordane-2	Abdul	3/13/2025 8:32:31 AM	Ankita	3/13/2025 11:42:26	Peak Integrated by Software
PCHLORCCC500	PL094630.D	Chlordane-3	Abdul	3/13/2025 8:32:31 AM	Ankita	3/13/2025 11:42:26	Peak Integrated by Software
PCHLORCCC500	PL094630.D	Chlordane-4	Abdul	3/13/2025 8:32:31 AM	Ankita	3/13/2025 11:42:26	Peak Integrated by Software
PSTDCCC050	PL094640.D	4,4"-DDE #2	Abdul	3/13/2025 8:32:54 AM	Ankita	3/13/2025 11:42:35	Peak Integrated by Software
PSTDCCC050	PL094640.D	Dieldrin #2	Abdul	3/13/2025 8:32:54 AM	Ankita	3/13/2025 11:42:35	Peak Integrated by Software
PSTDCCC050	PL094640.D	Endrin	Abdul	3/13/2025 8:32:54 AM	Ankita	3/13/2025 11:42:35	Peak Integrated by Software
PCHLORCCC500	PL094641.D	Chlordane-2	Abdul	3/13/2025 8:32:58 AM	Ankita	3/13/2025 11:42:37	Peak Integrated by Software
PCHLORCCC500	PL094641.D	Chlordane-5	Abdul	3/13/2025 8:32:58 AM	Ankita	3/13/2025 11:42:37	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL031225	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PCHLORCCC500	PL094641.D	Chlordane-5 #2	Abdul	3/13/2025 8:32:58 AM	Ankita	3/13/2025 11:42:37	Peak Integrated by Software
PTOXCCC500	PL094642.D	Toxaphene-2	Abdul	3/13/2025 8:33:04 AM	Ankita	3/13/2025 11:42:38	Peak Integrated by Software
Q1488-02MS	PL094648.D	alpha-BHC #2	Abdul	3/13/2025 8:33:17 AM	Ankita	3/13/2025 11:43:02	Peak Integrated by Software
Q1488-02MS	PL094648.D	gamma-BHC (Lindane)	Abdul	3/13/2025 8:33:17 AM	Ankita	3/13/2025 11:43:02	Peak Integrated by Software
Q1488-02MS	PL094648.D	Mirex #2	Abdul	3/13/2025 8:33:17 AM	Ankita	3/13/2025 11:43:02	Peak Integrated by Software
Q1488-02MSD	PL094649.D	Endrin	yogesh	3/14/2025 3:47:22 PM	mohammad	3/18/2025 6:27:43	Peak Integrated by Software
Q1488-02MSD	PL094649.D	gamma-BHC (Lindane)	yogesh	3/14/2025 3:47:22 PM	mohammad	3/18/2025 6:27:43	Peak Integrated by Software
Q1488-02MSD	PL094649.D	gamma-BHC (Lindane) #2	yogesh	3/14/2025 3:47:22 PM	mohammad	3/18/2025 6:27:43	Peak Integrated by Software
I.BLK	PL094651.D	Tetrachloro-m-xylene	Abdul	3/13/2025 8:33:33 AM	Ankita	3/13/2025 11:43:05	Peak Integrated by Software
PEM	PL094652.D	4,4"-DDE	Abdul	3/13/2025 8:33:37 AM	Ankita	3/13/2025 11:43:06	Peak Integrated by Software
PEM	PL094652.D	4,4"-DDE #2	Abdul	3/13/2025 8:33:37 AM	Ankita	3/13/2025 11:43:06	Peak Integrated by Software
PEM	PL094652.D	Endrin	Abdul	3/13/2025 8:33:37 AM	Ankita	3/13/2025 11:43:06	Peak Integrated by Software
PEM	PL094652.D	Endrin ketone #2	Abdul	3/13/2025 8:33:37 AM	Ankita	3/13/2025 11:43:06	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL031225	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL094653.D	4,4"-DDE #2	Abdul	3/13/2025 8:34:19 AM	Ankita	3/13/2025 11:43:08	Peak Integrated by Software
PSTDCCC050	PL094653.D	Dieldrin #2	Abdul	3/13/2025 8:34:19 AM	Ankita	3/13/2025 11:43:08	Peak Integrated by Software
PSTDCCC050	PL094653.D	Endrin	Abdul	3/13/2025 8:34:19 AM	Ankita	3/13/2025 11:43:08	Peak Integrated by Software
Q1514-04	PL094659.D	Tetrachloro-m-xylene	Abdul	3/13/2025 8:33:53 AM	Ankita	3/13/2025 11:43:15	Peak Integrated by Software
Q1514-04	PL094659.D	Tetrachloro-m-xylene #2	Abdul	3/13/2025 8:33:53 AM	Ankita	3/13/2025 11:43:15	Peak Integrated by Software
I.BLK	PL094663.D	Tetrachloro-m-xylene	Abdul	3/13/2025 8:33:58 AM	Ankita	3/13/2025 11:43:17	Peak Integrated by Software
PSTDCCC050	PL094664.D	4,4"-DDE #2	Abdul	3/13/2025 8:31:20 AM	Ankita	3/13/2025 11:43:18	Peak Integrated by Software
PSTDCCC050	PL094664.D	Dieldrin #2	Abdul	3/13/2025 8:31:20 AM	Ankita	3/13/2025 11:43:18	Peak Integrated by Software
PSTDCCC050	PL094664.D	Endosulfan I #2	Abdul	3/13/2025 8:31:20 AM	Ankita	3/13/2025 11:43:18	Peak Integrated by Software
PSTDCCC050	PL094664.D	Endrin	Abdul	3/13/2025 8:31:20 AM	Ankita	3/13/2025 11:43:18	Peak Integrated by Software
PSTDCCC050	PL094664.D	Endrin ketone #2	Abdul	3/13/2025 8:31:20 AM	Ankita	3/13/2025 11:43:18	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL031325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL094667.D	4,4"-DDD	yogesh	3/14/2025 3:46:19 PM	mohammad	3/18/2025 5:07:31	Peak Integrated by Software
PEM	PL094667.D	4,4"-DDD #2	yogesh	3/14/2025 3:46:19 PM	mohammad	3/18/2025 5:07:31	Peak Integrated by Software
PEM	PL094667.D	Endrin aldehyde	yogesh	3/14/2025 3:46:19 PM	mohammad	3/18/2025 5:07:31	Peak Integrated by Software
PSTDCCC050	PL094668.D	Decachlorobiphenyl	yogesh	3/14/2025 3:46:21 PM	mohammad	3/18/2025 5:07:35	Peak Integrated by Software
PSTDCCC050	PL094668.D	Endrin ketone #2	yogesh	3/14/2025 3:46:21 PM	mohammad	3/18/2025 5:07:35	Peak Integrated by Software
PSTDCCC050	PL094677.D	Mirex #2	yogesh	3/14/2025 3:46:30 PM	mohammad	3/18/2025 5:07:54	Peak Integrated by Software
PB167091BS	PL094683.D	4,4"-DDE #2	yogesh	3/14/2025 3:46:37 PM	mohammad	3/18/2025 5:08:13	Peak Integrated by Software
PB167091BS	PL094683.D	Endrin ketone #2	yogesh	3/14/2025 3:46:37 PM	mohammad	3/18/2025 5:08:13	Peak Integrated by Software
PB167091BS	PL094683.D	Mirex #2	yogesh	3/14/2025 3:46:37 PM	mohammad	3/18/2025 5:08:13	Peak Integrated by Software
PSTDCCC050	PL094695.D	4,4"-DDE #2	yogesh	3/14/2025 3:46:47 PM	mohammad	3/18/2025 5:08:42	Peak Integrated by Software
PSTDCCC050	PL094695.D	Dieldrin #2	yogesh	3/14/2025 3:46:47 PM	mohammad	3/18/2025 5:08:42	Peak Integrated by Software
PSTDCCC050	PL094695.D	Endrin	yogesh	3/14/2025 3:46:47 PM	mohammad	3/18/2025 5:08:42	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL031325	Instrument	ECD_I

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,
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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM		
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM		
SubDirectory	PL031125	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094565.D	11 Mar 2025 09:41	AR\AJ	Ok
2	I.BLK	PL094566.D	11 Mar 2025 09:55	AR\AJ	Ok
3	PEM	PL094567.D	11 Mar 2025 10:08	AR\AJ	Ok,M
4	RESCHK	PL094568.D	11 Mar 2025 10:22	AR\AJ	Ok,M
5	PSTDICC100	PL094569.D	11 Mar 2025 10:35	AR\AJ	Ok,M
6	PSTDICC075	PL094570.D	11 Mar 2025 10:49	AR\AJ	Ok,M
7	PSTDICC050	PL094571.D	11 Mar 2025 11:02	AR\AJ	Ok
8	PSTDICC025	PL094572.D	11 Mar 2025 11:16	AR\AJ	Ok
9	PSTDICC005	PL094573.D	11 Mar 2025 11:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43	AR\AJ	Ok
11	PCHLORICC750	PL094575.D	11 Mar 2025 11:57	AR\AJ	Ok
12	PCHLORICC500	PL094576.D	11 Mar 2025 12:10	AR\AJ	Ok
13	PCHLORICC250	PL094577.D	11 Mar 2025 12:24	AR\AJ	Ok
14	PCHLORICC050	PL094578.D	11 Mar 2025 12:37	AR\AJ	Ok,M
15	PTOXICC1000	PL094579.D	11 Mar 2025 12:51	AR\AJ	Ok
16	PTOXICC750	PL094580.D	11 Mar 2025 13:04	AR\AJ	Ok
17	PTOXICC500	PL094581.D	11 Mar 2025 13:18	AR\AJ	Ok
18	PTOXICC250	PL094582.D	11 Mar 2025 13:31	AR\AJ	Ok,M
19	PTOXICC100	PL094583.D	11 Mar 2025 13:45	AR\AJ	Ok,M
20	PSTDICV050	PL094584.D	11 Mar 2025 13:59	AR\AJ	Ok
21	PCHLORICV500	PL094585.D	11 Mar 2025 14:26	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM		
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM		
SubDirectory	PL031125	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PL094586.D	11 Mar 2025 14:53	AR\AJ	Ok
23	I.BLK	PL094587.D	11 Mar 2025 17:16	AR\AJ	Ok
24	PEM	PL094588.D	11 Mar 2025 17:30	AR\AJ	Ok,M
25	PSTDCCC050	PL094589.D	11 Mar 2025 17:43	AR\AJ	Ok,M
26	PB167076BL	PL094590.D	11 Mar 2025 17:57	AR\AJ	Ok
27	PB167076BS	PL094591.D	11 Mar 2025 18:11	AR\AJ	Ok,M
28	PB167076BSD	PL094592.D	11 Mar 2025 18:44	AR\AJ	Ok,M
29	Q1494-01	PL094593.D	11 Mar 2025 18:57	AR\AJ	Not Ok
30	Q1502-11	PL094594.D	11 Mar 2025 19:11	AR\AJ	Not Ok
31	Q1502-09	PL094595.D	11 Mar 2025 19:25	AR\AJ	Dilution
32	Q1502-13	PL094596.D	11 Mar 2025 19:39	AR\AJ	Not Ok
33	I.BLK	PL094597.D	11 Mar 2025 19:52	AR\AJ	Ok
34	PSTDCCC050	PL094598.D	11 Mar 2025 20:06	AR\AJ	Ok,M
35	Q1539-01	PL094599.D	11 Mar 2025 20:33	AR\AJ	Ok,M
36	Q1539-02	PL094600.D	11 Mar 2025 20:47	AR\AJ	Ok,M
37	PB167086BL	PL094601.D	11 Mar 2025 21:01	AR\AJ	Ok
38	PB167086BS	PL094602.D	11 Mar 2025 21:14	AR\AJ	Not Ok
39	PB167087BL	PL094603.D	11 Mar 2025 21:28	AR\AJ	Ok
40	PB167087BS	PL094604.D	11 Mar 2025 21:42	AR\AJ	Not Ok
41	I.BLK	PL094605.D	11 Mar 2025 21:55	AR\AJ	Ok
42	PEM	PL094606.D	11 Mar 2025 22:09	AR\AJ	Ok,M
43	PSTDCCC050	PL094607.D	11 Mar 2025 22:23	AR\AJ	Ok,M
44	PB167077BL	PL094608.D	11 Mar 2025 22:50	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM		
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM		
SubDirectory	PL031125	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	PB167077BS	PL094609.D	11 Mar 2025 23:04	AR\AJ	Not Ok
46	Q1534-01	PL094610.D	11 Mar 2025 23:17	AR\AJ	Ok,M
47	Q1534-07	PL094611.D	11 Mar 2025 23:31	AR\AJ	Ok,M
48	Q1534-07MS	PL094612.D	11 Mar 2025 23:44	AR\AJ	Ok,M
49	Q1534-07MSD	PL094613.D	11 Mar 2025 23:58	AR\AJ	Ok,M
50	Q1534-13	PL094614.D	12 Mar 2025 00:11	AR\AJ	Dilution
51	Q1534-19	PL094615.D	12 Mar 2025 00:25	AR\AJ	Dilution
52	Q1535-01	PL094616.D	12 Mar 2025 00:39	AR\AJ	Ok,M
53	I.BLK	PL094617.D	12 Mar 2025 00:53	AR\AJ	Ok
54	PSTDCCC050	PL094618.D	12 Mar 2025 01:06	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM		
Supervise By	Ankita	Supervise On	3/13/2025 11:43:34 AM		
SubDirectory	PL031225	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094619.D	12 Mar 2025 08:23	AR\AJ	Ok
2	I.BLK	PL094620.D	12 Mar 2025 08:37	AR\AJ	Ok
3	PEM	PL094621.D	12 Mar 2025 08:51	AR\AJ	Ok,M
4	PSTDCCC050	PL094622.D	12 Mar 2025 09:04	AR\AJ	Ok,M
5	Q1494-01	PL094623.D	12 Mar 2025 09:44	AR\AJ	Ok
6	PB167077BS	PL094624.D	12 Mar 2025 10:15	AR\AJ	Ok,M
7	Q1534-13DL	PL094625.D	12 Mar 2025 10:33	AR\AJ	Ok,M
8	Q1534-19DL	PL094626.D	12 Mar 2025 10:47	AR\AJ	Dilution
9	Q1534-19DL2	PL094627.D	12 Mar 2025 11:00	AR\AJ	Ok,M
10	I.BLK	PL094628.D	12 Mar 2025 11:14	AR\AJ	Ok
11	PSTDCCC050	PL094629.D	12 Mar 2025 11:37	AR\AJ	Ok,M
12	PCHLORCCC500	PL094630.D	12 Mar 2025 12:06	AR\AJ	Ok,M
13	PTOXCCC500	PL094631.D	12 Mar 2025 12:34	AR\AJ	Ok
14	PB167086BS	PL094632.D	12 Mar 2025 13:17	AR\AJ	Ok,M
15	PB167087BS	PL094633.D	12 Mar 2025 13:50	AR\AJ	Ok
16	Q1502-11	PL094634.D	12 Mar 2025 14:12	AR\AJ	Ok,M
17	Q1502-09DL	PL094635.D	12 Mar 2025 14:26	AR\AJ	Dilution
18	Q1502-09DL2	PL094636.D	12 Mar 2025 14:40	AR\AJ	Ok,M
19	Q1502-13	PL094637.D	12 Mar 2025 14:54	AR\AJ	Dilution
20	Q1502-13DL	PL094638.D	12 Mar 2025 15:07	AR\AJ	Ok
21	I.BLK	PL094639.D	12 Mar 2025 15:35	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM		
Supervise By	Ankita	Supervise On	3/13/2025 11:43:34 AM		
SubDirectory	PL031225	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PSTDCCC050	PL094640.D	12 Mar 2025 15:49	AR\AJ	Ok,M
23	PCHLORCCC500	PL094641.D	12 Mar 2025 16:02	AR\AJ	Ok,M
24	PTOXCCC500	PL094642.D	12 Mar 2025 16:54	AR\AJ	Ok,M
25	PB167091BL	PL094643.D	12 Mar 2025 17:20	AR\AJ	Not Ok
26	PB167091BS	PL094644.D	12 Mar 2025 17:34	AR\AJ	Not Ok
27	PB167020TB	PL094645.D	12 Mar 2025 17:48	AR\AJ	Not Ok
28	PB167049TB	PL094646.D	12 Mar 2025 18:01	AR\AJ	Not Ok
29	Q1488-02	PL094647.D	12 Mar 2025 18:15	AR\AJ	Ok
30	Q1488-02MS	PL094648.D	12 Mar 2025 18:29	AR\AJ	Ok,M
31	Q1488-02MSD	PL094649.D	12 Mar 2025 18:42	AR\AJ	Ok,M
32	Q1488-04	PL094650.D	12 Mar 2025 18:56	AR\AJ	Ok,M
33	I.BLK	PL094651.D	12 Mar 2025 19:10	AR\AJ	Ok,M
34	PEM	PL094652.D	12 Mar 2025 19:24	AR\AJ	Ok,M
35	PSTDCCC050	PL094653.D	12 Mar 2025 19:38	AR\AJ	Ok,M
36	Q1488-06	PL094654.D	12 Mar 2025 20:05	AR\AJ	Ok,M
37	Q1488-08	PL094655.D	12 Mar 2025 20:19	AR\AJ	Ok,M
38	Q1488-10	PL094656.D	12 Mar 2025 20:33	AR\AJ	Ok,M
39	Q1488-12	PL094657.D	12 Mar 2025 20:46	AR\AJ	Ok
40	Q1514-02	PL094658.D	12 Mar 2025 21:00	AR\AJ	Ok
41	Q1514-04	PL094659.D	12 Mar 2025 21:13	AR\AJ	Ok,M
42	Q1514-06	PL094660.D	12 Mar 2025 21:27	AR\AJ	Ok
43	Q1523-03	PL094661.D	12 Mar 2025 21:41	AR\AJ	Ok
44	Q1523-06	PL094662.D	12 Mar 2025 21:55	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM		
Supervise By	Ankita	Supervise On	3/13/2025 11:43:34 AM		
SubDirectory	PL031225	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	I.BLK	PL094663.D	12 Mar 2025 22:09	AR\AJ	Ok,M
46	PSTDCCC050	PL094664.D	12 Mar 2025 22:22	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031325

Review By	yogesh	Review On	3/14/2025 3:47:02 PM		
Supervise By	mohammad	Supervise On	3/18/2025 5:09:03 AM		
SubDirectory	PL031325	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL094665.D	13 Mar 2025 10:10	AR\AJ	Ok
2	I.BLK	PL094666.D	13 Mar 2025 11:33	AR\AJ	Ok
3	PEM	PL094667.D	13 Mar 2025 11:53	AR\AJ	Ok,M
4	PSTDCCC050	PL094668.D	13 Mar 2025 12:24	AR\AJ	Ok,M
5	PB167112BL	PL094669.D	13 Mar 2025 12:54	AR\AJ	Not Ok
6	PB167112BS	PL094670.D	13 Mar 2025 13:38	AR\AJ	Ok
7	Q1545-01	PL094671.D	13 Mar 2025 14:02	AR\AJ	Ok,M
8	Q1547-01	PL094672.D	13 Mar 2025 14:16	AR\AJ	Ok
9	Q1547-01MS	PL094673.D	13 Mar 2025 14:29	AR\AJ	Ok,M
10	Q1547-01MSD	PL094674.D	13 Mar 2025 14:43	AR\AJ	Ok,M
11	Q1547-06	PL094675.D	13 Mar 2025 14:57	AR\AJ	Ok
12	I.BLK	PL094676.D	13 Mar 2025 15:12	AR\AJ	Ok
13	PSTDCCC050	PL094677.D	13 Mar 2025 15:25	AR\AJ	Ok,M
14	Q1549-01	PL094678.D	13 Mar 2025 15:39	AR\AJ	Ok,M
15	Q1552-01	PL094679.D	13 Mar 2025 15:53	AR\AJ	Ok,M
16	Q1553-01	PL094680.D	13 Mar 2025 16:07	AR\AJ	Ok,M
17	Q1556-01	PL094681.D	13 Mar 2025 16:21	AR\AJ	Ok
18	PB167091BL	PL094682.D	13 Mar 2025 16:34	AR\AJ	Ok
19	PB167091BS	PL094683.D	13 Mar 2025 17:20	AR\AJ	Ok,M
20	PB167020TB	PL094684.D	13 Mar 2025 17:33	AR\AJ	Ok
21	PB167049TB	PL094685.D	13 Mar 2025 17:47	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031325

Review By	yogesh	Review On	3/14/2025 3:47:02 PM		
Supervise By	mohammad	Supervise On	3/18/2025 5:09:03 AM		
SubDirectory	PL031325	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB167125BL	PL094686.D	13 Mar 2025 18:01	AR\AJ	Ok
23	PB167125BS	PL094687.D	13 Mar 2025 18:15	AR\AJ	Not Ok
24	PB167103TB	PL094688.D	13 Mar 2025 18:28	AR\AJ	Ok
25	Q1547-05	PL094689.D	13 Mar 2025 18:42	AR\AJ	Ok,M
26	Q1547-10	PL094690.D	13 Mar 2025 18:56	AR\AJ	Ok,M
27	Q1552-05	PL094691.D	13 Mar 2025 19:09	AR\AJ	Ok
28	Q1547-05MS	PL094692.D	13 Mar 2025 19:23	AR\AJ	Ok,M
29	Q1547-05MSD	PL094693.D	13 Mar 2025 19:37	AR\AJ	Ok,M
30	I.BLK	PL094694.D	13 Mar 2025 19:51	AR\AJ	Ok
31	PSTDCCC050	PL094695.D	13 Mar 2025 20:04	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM		
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM		
SubDirectory	PL031125	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094565.D	11 Mar 2025 09:41		AR\AJ	Ok
2	I.BLK	I.BLK	PL094566.D	11 Mar 2025 09:55		AR\AJ	Ok
3	PEM	PEM	PL094567.D	11 Mar 2025 10:08		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL094568.D	11 Mar 2025 10:22		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL094569.D	11 Mar 2025 10:35		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PL094570.D	11 Mar 2025 10:49		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PL094571.D	11 Mar 2025 11:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL094572.D	11 Mar 2025 11:16		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL094573.D	11 Mar 2025 11:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL094574.D	11 Mar 2025 11:43		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL094575.D	11 Mar 2025 11:57		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL094576.D	11 Mar 2025 12:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL094577.D	11 Mar 2025 12:24		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL094578.D	11 Mar 2025 12:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL094579.D	11 Mar 2025 12:51		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL094580.D	11 Mar 2025 13:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL094581.D	11 Mar 2025 13:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL094582.D	11 Mar 2025 13:31		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM		
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM		
SubDirectory	PL031125	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PL094583.D	11 Mar 2025 13:45		AR\AJ	Ok,M
20	PSTDICV050	ICVPL031125	PL094584.D	11 Mar 2025 13:59		AR\AJ	Ok
21	PCHLORICV500	ICVPL031125CHLOR	PL094585.D	11 Mar 2025 14:26		AR\AJ	Ok
22	PTOXICV500	ICVPL031125TOX	PL094586.D	11 Mar 2025 14:53		AR\AJ	Ok
23	I.BLK	I.BLK	PL094587.D	11 Mar 2025 17:16		AR\AJ	Ok
24	PEM	PEM	PL094588.D	11 Mar 2025 17:30		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL094589.D	11 Mar 2025 17:43		AR\AJ	Ok,M
26	PB167076BL	PB167076BL	PL094590.D	11 Mar 2025 17:57		AR\AJ	Ok
27	PB167076BS	PB167076BS	PL094591.D	11 Mar 2025 18:11		AR\AJ	Ok,M
28	PB167076BSD	PB167076BSD	PL094592.D	11 Mar 2025 18:44		AR\AJ	Ok,M
29	Q1494-01	PURGE-WATER	PL094593.D	11 Mar 2025 18:57	F Flag in TCMX for both column	AR\AJ	Not Ok
30	Q1502-11	PT-CHLR-WP	PL094594.D	11 Mar 2025 19:11	Chlordane CCAL missing , TCMX high in 2nd column	AR\AJ	Not Ok
31	Q1502-09	PT-PEST-WP	PL094595.D	11 Mar 2025 19:25	TCMX high in 1st column , Need dilution	AR\AJ	Dilution
32	Q1502-13	PT-TXP-WP	PL094596.D	11 Mar 2025 19:39	TOX CCAL missing , need dilution	AR\AJ	Not Ok
33	I.BLK	I.BLK	PL094597.D	11 Mar 2025 19:52		AR\AJ	Ok
34	PSTDCCC050	PSTDCCC050	PL094598.D	11 Mar 2025 20:06		AR\AJ	Ok,M
35	Q1539-01	TAPIAL3-MW03D-0310	PL094599.D	11 Mar 2025 20:33		AR\AJ	Ok,M
36	Q1539-02	TAPFTA-MW01I-03102	PL094600.D	11 Mar 2025 20:47		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031125

Review By	Abdul	Review On	3/12/2025 12:48:59 PM		
Supervise By	Ankita	Supervise On	3/12/2025 2:35:44 PM		
SubDirectory	PL031125	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	PB167086BL	PB167086BL	PL094601.D	11 Mar 2025 21:01		AR\AJ	Ok
38	PB167086BS	PB167086BS	PL094602.D	11 Mar 2025 21:14	Chlordane CCAL missing	AR\AJ	Not Ok
39	PB167087BL	PB167087BL	PL094603.D	11 Mar 2025 21:28		AR\AJ	Ok
40	PB167087BS	PB167087BS	PL094604.D	11 Mar 2025 21:42	TOX CCAL missing	AR\AJ	Not Ok
41	I.BLK	I.BLK	PL094605.D	11 Mar 2025 21:55		AR\AJ	Ok
42	PEM	PEM	PL094606.D	11 Mar 2025 22:09		AR\AJ	Ok,M
43	PSTDCCC050	PSTDCCC050	PL094607.D	11 Mar 2025 22:23		AR\AJ	Ok,M
44	PB167077BL	PB167077BL	PL094608.D	11 Mar 2025 22:50		AR\AJ	Ok
45	PB167077BS	PB167077BS	PL094609.D	11 Mar 2025 23:04	Comp#2 recovery fail	AR\AJ	Not Ok
46	Q1534-01	OR-636-COMP-16	PL094610.D	11 Mar 2025 23:17		AR\AJ	Ok,M
47	Q1534-07	OR-636-COMP-17	PL094611.D	11 Mar 2025 23:31		AR\AJ	Ok,M
48	Q1534-07MS	OR-636-COMP-17MS	PL094612.D	11 Mar 2025 23:44		AR\AJ	Ok,M
49	Q1534-07MSD	OR-636-COMP-17MSD	PL094613.D	11 Mar 2025 23:58		AR\AJ	Ok,M
50	Q1534-13	OR-636-COMP-18	PL094614.D	12 Mar 2025 00:11	need dilution	AR\AJ	Dilution
51	Q1534-19	OR-636-COMP-19	PL094615.D	12 Mar 2025 00:25	need dilution	AR\AJ	Dilution
52	Q1535-01	SU-03-03102025	PL094616.D	12 Mar 2025 00:39		AR\AJ	Ok,M
53	I.BLK	I.BLK	PL094617.D	12 Mar 2025 00:53		AR\AJ	Ok
54	PSTDCCC050	PSTDCCC050	PL094618.D	12 Mar 2025 01:06		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM		
Supervise By	Ankita	Supervise On	3/13/2025 11:43:34 AM		
SubDirectory	PL031225	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094619.D	12 Mar 2025 08:23		AR\AJ	Ok
2	I.BLK	I.BLK	PL094620.D	12 Mar 2025 08:37		AR\AJ	Ok
3	PEM	PEM	PL094621.D	12 Mar 2025 08:51		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL094622.D	12 Mar 2025 09:04		AR\AJ	Ok,M
5	Q1494-01	PURGE-WATER	PL094623.D	12 Mar 2025 09:44		AR\AJ	Ok
6	PB167077BS	PB167077BS	PL094624.D	12 Mar 2025 10:15		AR\AJ	Ok,M
7	Q1534-13DL	OR-636-COMP-18DL	PL094625.D	12 Mar 2025 10:33		AR\AJ	Ok,M
8	Q1534-19DL	OR-636-COMP-19DL	PL094626.D	12 Mar 2025 10:47	need dilution	AR\AJ	Dilution
9	Q1534-19DL2	OR-636-COMP-19DL2	PL094627.D	12 Mar 2025 11:00		AR\AJ	Ok,M
10	I.BLK	I.BLK	PL094628.D	12 Mar 2025 11:14		AR\AJ	Ok
11	PSTDCCC050	PSTDCCC050	PL094629.D	12 Mar 2025 11:37		AR\AJ	Ok,M
12	PCHLORCCC500	PCHLORCCC500	PL094630.D	12 Mar 2025 12:06		AR\AJ	Ok,M
13	PTOXCCC500	PTOXCCC500	PL094631.D	12 Mar 2025 12:34		AR\AJ	Ok
14	PB167086BS	PB167086BS	PL094632.D	12 Mar 2025 13:17		AR\AJ	Ok,M
15	PB167087BS	PB167087BS	PL094633.D	12 Mar 2025 13:50		AR\AJ	Ok
16	Q1502-11	PT-CHLR-WP	PL094634.D	12 Mar 2025 14:12	TCMX high in 2nd column	AR\AJ	Ok,M
17	Q1502-09DL	PT-PEST-WPDL	PL094635.D	12 Mar 2025 14:26	TCMX high in 1st column , Need dilution	AR\AJ	Dilution

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM		
Supervise By	Ankita	Supervise On	3/13/2025 11:43:34 AM		
SubDirectory	PL031225	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1502-09DL2	PT-PEST-WPDL2	PL094636.D	12 Mar 2025 14:40	DCB and TCMX high in 1st column	AR\AJ	Ok,M
19	Q1502-13	PT-TXP-WP	PL094637.D	12 Mar 2025 14:54	need dilution	AR\AJ	Dilution
20	Q1502-13DL	PT-TXP-WPDL	PL094638.D	12 Mar 2025 15:07		AR\AJ	Ok
21	I.BLK	I.BLK	PL094639.D	12 Mar 2025 15:35		AR\AJ	Ok
22	PSTDCCC050	PSTDCCC050	PL094640.D	12 Mar 2025 15:49		AR\AJ	Ok,M
23	PCHLORCCC500	PCHLORCCC500	PL094641.D	12 Mar 2025 16:02		AR\AJ	Ok,M
24	PTOXCCC500	PTOXCCC500	PL094642.D	12 Mar 2025 16:54		AR\AJ	Ok,M
25	PB167091BL	PB167091BL	PL094643.D	12 Mar 2025 17:20	DCB high in 1st column	AR\AJ	Not Ok
26	PB167091BS	PB167091BS	PL094644.D	12 Mar 2025 17:34	DCB high in both column , TCMX high in 1st column , Comp#20 recovery fail	AR\AJ	Not Ok
27	PB167020TB	PB167020TB	PL094645.D	12 Mar 2025 17:48	DCB high in 1st column	AR\AJ	Not Ok
28	PB167049TB	PB167049TB	PL094646.D	12 Mar 2025 18:01	DCB high in 1st column	AR\AJ	Not Ok
29	Q1488-02	ENV-101-SB01	PL094647.D	12 Mar 2025 18:15		AR\AJ	Ok
30	Q1488-02MS	ENV-101-SB01MS	PL094648.D	12 Mar 2025 18:29		AR\AJ	Ok,M
31	Q1488-02MSD	ENV-101-SB01MSD	PL094649.D	12 Mar 2025 18:42		AR\AJ	Ok,M
32	Q1488-04	ENV-101-SB02	PL094650.D	12 Mar 2025 18:56		AR\AJ	Ok,M
33	I.BLK	I.BLK	PL094651.D	12 Mar 2025 19:10		AR\AJ	Ok,M
34	PEM	PEM	PL094652.D	12 Mar 2025 19:24		AR\AJ	Ok,M
35	PSTDCCC050	PSTDCCC050	PL094653.D	12 Mar 2025 19:38	Comp#16 high in 2nd column	AR\AJ	Ok,M

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031225

Review By	Abdul	Review On	3/13/2025 8:34:38 AM		
Supervise By	Ankita	Supervise On	3/13/2025 11:43:34 AM		
SubDirectory	PL031225	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q1488-06	ENV-102-SB01	PL094654.D	12 Mar 2025 20:05	DCB high in 1st column	AR\AJ	Ok,M
37	Q1488-08	ENV-102-SB02	PL094655.D	12 Mar 2025 20:19		AR\AJ	Ok,M
38	Q1488-10	ENV-104-SB01	PL094656.D	12 Mar 2025 20:33		AR\AJ	Ok,M
39	Q1488-12	ENV-104-SB02	PL094657.D	12 Mar 2025 20:46		AR\AJ	Ok
40	Q1514-02	ENV-105-SB01	PL094658.D	12 Mar 2025 21:00		AR\AJ	Ok
41	Q1514-04	ENV-105-SB02	PL094659.D	12 Mar 2025 21:13		AR\AJ	Ok,M
42	Q1514-06	ENV-103-SB01	PL094660.D	12 Mar 2025 21:27		AR\AJ	Ok
43	Q1523-03	WC-A1-01-C	PL094661.D	12 Mar 2025 21:41		AR\AJ	Ok
44	Q1523-06	WC-A2-02-C	PL094662.D	12 Mar 2025 21:55		AR\AJ	Ok
45	I.BLK	I.BLK	PL094663.D	12 Mar 2025 22:09	DCB high in 1st column	AR\AJ	Ok,M
46	PSTDCCC050	PSTDCCC050	PL094664.D	12 Mar 2025 22:22	Comp#16 high in both column	AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031325

Review By	yogesh	Review On	3/14/2025 3:47:02 PM		
Supervise By	mohammad	Supervise On	3/18/2025 5:09:03 AM		
SubDirectory	PL031325	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL094665.D	13 Mar 2025 10:10		AR\AJ	Ok
2	I.BLK	I.BLK	PL094666.D	13 Mar 2025 11:33		AR\AJ	Ok
3	PEM	PEM	PL094667.D	13 Mar 2025 11:53		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL094668.D	13 Mar 2025 12:24		AR\AJ	Ok,M
5	PB167112BL	PB167112BL	PL094669.D	13 Mar 2025 12:54	f falg	AR\AJ	Not Ok
6	PB167112BS	PB167112BS	PL094670.D	13 Mar 2025 13:38		AR\AJ	Ok
7	Q1545-01	BU-02-031125	PL094671.D	13 Mar 2025 14:02		AR\AJ	Ok,M
8	Q1547-01	OR-620-JB-COMP-01	PL094672.D	13 Mar 2025 14:16		AR\AJ	Ok
9	Q1547-01MS	OR-620-JB-COMP-01M	PL094673.D	13 Mar 2025 14:29		AR\AJ	Ok,M
10	Q1547-01MSD	OR-620-JB-COMP-01M	PL094674.D	13 Mar 2025 14:43		AR\AJ	Ok,M
11	Q1547-06	OR-620-JB-COMP-02	PL094675.D	13 Mar 2025 14:57		AR\AJ	Ok
12	I.BLK	I.BLK	PL094676.D	13 Mar 2025 15:12		AR\AJ	Ok
13	PSTDCCC050	PSTDCCC050	PL094677.D	13 Mar 2025 15:25		AR\AJ	Ok,M
14	Q1549-01	72-11978	PL094678.D	13 Mar 2025 15:39		AR\AJ	Ok,M
15	Q1552-01	NB-418-JB-COMP-01	PL094679.D	13 Mar 2025 15:53		AR\AJ	Ok,M
16	Q1553-01	RT2321	PL094680.D	13 Mar 2025 16:07		AR\AJ	Ok,M
17	Q1556-01	OR-02-031225	PL094681.D	13 Mar 2025 16:21		AR\AJ	Ok
18	PB167091BL	PB167091BL	PL094682.D	13 Mar 2025 16:34		AR\AJ	Ok

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL031325

Review By	yogesh	Review On	3/14/2025 3:47:02 PM		
Supervise By	mohammad	Supervise On	3/18/2025 5:09:03 AM		
SubDirectory	PL031325	HP Acquire Method		HP Processing Method	pl031125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP242583,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB167091BS	PB167091BS	PL094683.D	13 Mar 2025 17:20		AR\AJ	Ok,M
20	PB167020TB	PB167020TB	PL094684.D	13 Mar 2025 17:33		AR\AJ	Ok
21	PB167049TB	PB167049TB	PL094685.D	13 Mar 2025 17:47		AR\AJ	Ok
22	PB167125BL	PB167125BL	PL094686.D	13 Mar 2025 18:01		AR\AJ	Ok
23	PB167125BS	PB167125BS	PL094687.D	13 Mar 2025 18:15	Methoxychlor Recovery fail for 1st column	AR\AJ	Not Ok
24	PB167103TB	PB167103TB	PL094688.D	13 Mar 2025 18:28		AR\AJ	Ok
25	Q1547-05	OR-620-JB-COMP-01	PL094689.D	13 Mar 2025 18:42		AR\AJ	Ok,M
26	Q1547-10	OR-620-JB-COMP-02	PL094690.D	13 Mar 2025 18:56		AR\AJ	Ok,M
27	Q1552-05	NB-418-JB-COMP-01	PL094691.D	13 Mar 2025 19:09		AR\AJ	Ok
28	Q1547-05MS	OR-620-JB-COMP-01M	PL094692.D	13 Mar 2025 19:23		AR\AJ	Ok,M
29	Q1547-05MSD	OR-620-JB-COMP-01M	PL094693.D	13 Mar 2025 19:37		AR\AJ	Ok,M
30	I.BLK	I.BLK	PL094694.D	13 Mar 2025 19:51		AR\AJ	Ok
31	PSTDCCC050	PSTDCCC050	PL094695.D	13 Mar 2025 20:04		AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 03/06/2025 **Time :** 17:00

End Prep Date : 03/07/2025 **Time :** 11:20

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP

Initial Room Temperature: 25 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IZ

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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1L Amber bottle	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Particle size reduction in not required. TUMBLER T-1 /T-2 checked,30 rpm. q1514-06 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/07/25 12:30	JP / TCLP Room	JP RJ / EXT
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

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
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167020TB	LEB020	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-02	ENV-101-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-04	ENV-101-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-06	ENV-102-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-08	ENV-102-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-10	ENV-104-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-12	ENV-104-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1490-02	CLAY-SLUDGE-DRUMS	N/A	N/A	N/A	N/A	100	N/A
Q1494-04	ASPHALT-SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-06	SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-08	SOIL-COMP	N/A	N/A	N/A	N/A	100	N/A
Q1510-01	FMC-25-0001-0005	N/A	N/A	N/A	N/A	100	N/A
Q1514-02	ENV-105-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1514-04	ENV-105-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1514-06	ENV-103-SB01	N/A	N/A	N/A	N/A	100	N/A

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TCLP Fluid Determination

PB167020

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
PB167020TB	LEB020	N/A	N/A	N/A	N/A	#1	4.94
Q1488-02	ENV-101-SB01	5.01	96.5	6.2	2.5	#1	4.94
Q1488-04	ENV-101-SB02	5.02	96.5	6.6	2.0	#1	4.94
Q1488-06	ENV-102-SB01	5.03	96.5	6.2	2.5	#1	4.94
Q1488-08	ENV-102-SB02	5.04	96.5	7.2	2.5	#1	4.94
Q1488-10	ENV-104-SB01	5.03	96.5	6.6	2.0	#1	4.94
Q1488-12	ENV-104-SB02	5.02	96.5	7.0	2.5	#1	4.94
Q1490-02	CLAY-SLUDGE-DRUMS	5.04	96.5	7.0	2.5	#1	4.94
Q1494-04	ASPHALT-SOIL	5.01	96.5	8.6	3.0	#1	4.94
Q1494-06	SOIL	5.02	96.5	9.1	4.0	#1	4.94
Q1494-08	SOIL-COMP	5.04	96.5	8.6	3.5	#1	4.94
Q1510-01	FMC-25-0001-0005	5.03	96.5	5.6	1.5	#1	4.94
Q1514-02	ENV-105-SB01	5.01	96.5	7.6	2.5	#1	4.94
Q1514-04	ENV-105-SB02	5.02	96.5	8.0	3.0	#1	4.94
Q1514-06	ENV-103-SB01	5.03	96.5	9.1	3.5	#1	4.94

Q1514

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q1490 **WorkList ID :** 188086 **Department :** TCLP Extraction **Date :** 03-06-2025 11:40:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1488-02	ENV-101-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-04	ENV-101-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-06	ENV-102-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-08	ENV-102-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-10	ENV-104-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-12	ENV-104-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1490-02	CLAY-SLUDGE-DRUMS	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1494-04	ASPHALT-SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/05/2025	1311
Q1494-06	SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1494-08	SOIL-COMP	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1510-01	FMC-25-0001-0005	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1514-02	ENV-105-SB01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/06/2025	1311
Q1514-04	ENV-105-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311
Q1514-06	ENV-103-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311

822 of 1709

Date/Time 03106125 16:10

Raw Sample Received by: SB (WC)

Raw Sample Relinquished by: CA SM

Date/Time 03106125 18:00

Raw Sample Received by: CA SM

Raw Sample Relinquished by: SB (WC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167091

SOP ID:	M3510C,3580A-Extraction Pesticide-16				
Clean Up SOP #:	N/A			**Extraction Start Date :**	03/11/2025
Matrix :	Water			**Extraction Start Time :**	11:54
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	03/11/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	16:55
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,5,6,7	**Supervisor By :**	RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24208
Surrogate	1.0ML	200 PPB	PP24217
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	E3878
Baked Na2SO4	N/A	EP2593
Hexane	N/A	E3877
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/11/25	RS (Ext-lab)	Y.P. Post PCB.
17:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167091

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 03/11/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167020TB	PB167020TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB167049TB	PB167049TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			2
PB167091BL	PBLK091	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
PB167091BS	PLCS091	TCLP Pesticide	1000	6	RUPESH	ritesh	10			4
Q1488-02	ENV-101-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
Q1488-02MS	ENV-101-SB01MS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6
Q1488-02MSD	ENV-101-SB01MSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		7
Q1488-04	ENV-101-SB02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		8
Q1488-06	ENV-102-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		9
Q1488-08	ENV-102-SB02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		10
Q1488-10	ENV-104-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		11
Q1488-12	ENV-104-SB02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		12
Q1514-02	ENV-105-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		13
Q1514-04	ENV-105-SB02	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		14
Q1514-06	ENV-103-SB01	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		15
Q1523-03	WC-A1-01-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		16
Q1523-06	WC-A2-02-C	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		17

RS 3/11

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

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TCLP EXTRACTION LOGPAGE

PB167020

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
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

03/07/25

1211.30

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TCLP EXTRACTION LOGPAGE

PB167049

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
PB167049TB	LEB049	10	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q1523-03	WC-A1-01-C	01	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q1523-06	WC-A2-02-C	02	100.01	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q1534-06	OR-363-COMP-16	03	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1534-12	OR-363-COMP-17	04	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q1534-18	OR-363-COMP-18	05	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q1534-24	OR-363OR-363-COMP-19-	06	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1537-05	COMP-1	07	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-1
Q1537-06	COMP-2	08	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q1537-07	COMP-3	09	100.04	2000	N/A	N/A	N/A	11.0	1.5	T-1

03/11/2025
11:00

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LAB CHRONICLE

OrderID:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-01	**ENV-105-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1514-02	**ENV-105-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP Herbicide	8151A		03/11/25	03/12/25	
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1514-03	**ENV-105-SB02**	**SOIL**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1514-04	**ENV-105-SB02**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP Herbicide	8151A		03/11/25	03/12/25	
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1514-05	**ENV-103-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1514-06	**ENV-103-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP Herbicide	8151A		03/11/25	03/12/25	
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1514-07	**ENV-105-GW01**	**WATER**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1514-08	**ENV-103-GW01**	**Water**			**03/05/25**			**03/06/25**

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LAB CHRONICLE

			EPH	NJEPH	03/10/25	03/11/25	
			PCB	8082A	03/07/25	03/07/25	
Q1514-09	**FB03062025**	**WATER**		**03/06/25**			**03/06/25**
			PCB	8082A	03/07/25	03/07/25	
			EPH	NJEPH	03/10/25	03/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1514 **Order ID:** Q1514

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : ENV-103-SB01								
Q1514-05	ENV-103-SB01	SOIL	Aroclor-1254	18.9	J	3.10	19.0	ug/kg
Q1514-05	ENV-103-SB01	SOIL	Aroclor-1260	12.5	J	3.30	19.0	ug/kg
			Total Concentration:	**31.400**				

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.6 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
PP070370.D	1	03/07/25 08:25	03/07/25 18:44	PB167029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.70	U	3.70	18.5	ug/kg
11104-28-2	Aroclor-1221	7.00	U	7.00	18.5	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	18.5	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	18.5	ug/kg
12672-29-6	Aroclor-1248	8.60	U	8.60	18.5	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.5	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	18.5	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	18.5	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	18.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		30 (32) - 150 (144)	95%	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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	81 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
PP070371.D	1	03/07/25 08:25	03/07/25 19:00	PB167029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	21.0	ug/kg
11104-28-2	Aroclor-1221	7.90	U	7.90	21.0	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	21.0	ug/kg
53469-21-9	Aroclor-1242	4.20	U	4.20	21.0	ug/kg
12672-29-6	Aroclor-1248	9.70	U	9.70	21.0	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	21.0	ug/kg
37324-23-5	Aroclor-1262	5.60	U	5.60	21.0	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	21.0	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	21.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.2		30 (32) - 150 (144)	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.9		30 (32) - 150 (175)	70%	SPK: 20

Comments:

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	89.1 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070372.D	1	03/07/25 08:25	03/07/25 19:16	PB167029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.80	U	3.80	19.0	ug/kg
11104-28-2	Aroclor-1221	7.20	U	7.20	19.0	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	19.0	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	19.0	ug/kg
12672-29-6	Aroclor-1248	8.80	U	8.80	19.0	ug/kg
11097-69-1	Aroclor-1254	18.9	J	3.10	19.0	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	19.0	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	19.0	ug/kg
11096-82-5	Aroclor-1260	12.5	J	3.30	19.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.8		30 (32) - 150 (144)	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		30 (32) - 150 (175)	81%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	970 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
PO109731.D	1	03/07/25 09:15	03/07/25 19:59	PB167028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.52	ug/L
11104-28-2	Aroclor-1221	0.24	U	0.24	0.52	ug/L
11141-16-5	Aroclor-1232	0.38	U	0.38	0.52	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.52	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.52	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.52	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.52	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.52	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.52	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.7		30 (16) - 150 (158)	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.7		30 (10) - 150 (173)	74%	SPK: 20

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	980 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
PO109732.D	1	03/07/25 09:15	03/07/25 20:17	PB167028

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	24.4		30 (16) - 150 (158)	122%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.5		30 (10) - 150 (173)	78%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	380 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
PO109733.D	1	03/07/25 09:15	03/07/25 20:35	PB167028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.20	U	0.20	0.66	ug/L
11104-28-2	Aroclor-1221	0.30	U	0.30	0.66	ug/L
11141-16-5	Aroclor-1232	0.49	U	0.49	0.66	ug/L
53469-21-9	Aroclor-1242	0.21	U	0.21	0.66	ug/L
12672-29-6	Aroclor-1248	0.16	U	0.16	0.66	ug/L
11097-69-1	Aroclor-1254	0.14	U	0.14	0.66	ug/L
37324-23-5	Aroclor-1262	0.18	U	0.18	0.66	ug/L
11100-14-4	Aroclor-1268	0.16	U	0.16	0.66	ug/L
11096-82-5	Aroclor-1260	0.20	U	0.20	0.66	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.2		30 (16) - 150 (158)	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.5		30 (10) - 150 (173)	83%	SPK: 20

Comments:

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QC SUMMARY

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

Surrogate Summary

SDG No.: Q1514

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-PO109425.D	PIBLK-PO109425.D	Tetrachloro-m-xylene	1	20	25.3	126		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	25.3	126		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	24.1	121		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	25.5	127		70 (60)	130 (140)
I.BLK-PO109727.D	PIBLK-PO109727.D	Tetrachloro-m-xylene	1	20	20.5	103		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.1	85		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.2	106		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.8	94		70 (60)	130 (140)
PB167028BL	PB167028BL	Tetrachloro-m-xylene	1	20	19.7	99		30 (16)	150 (158)
		Decachlorobiphenyl	1	20	16.8	84		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	20.1	101		30 (16)	150 (158)
		Decachlorobiphenyl	2	20	18.5	92		30 (10)	150 (173)
PB167028BS	PB167028BS	Tetrachloro-m-xylene	1	20	19.0	95		30 (16)	150 (158)
		Decachlorobiphenyl	1	20	17.2	86		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	19.2	96		30 (16)	150 (158)
		Decachlorobiphenyl	2	20	18.9	95		30 (10)	150 (173)
PB167028BSD	PB167028BSD	Tetrachloro-m-xylene	1	20	18.8	94		30 (16)	150 (158)
		Decachlorobiphenyl	1	20	16.9	84		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	19.0	95		30 (16)	150 (158)
		Decachlorobiphenyl	2	20	18.5	92		30 (10)	150 (173)
Q1514-07	ENV-105-GW01	Tetrachloro-m-xylene	1	20	23.7	119		30 (16)	150 (158)
		Decachlorobiphenyl	1	20	13.5	68		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	23.7	119		30 (16)	150 (158)
		Decachlorobiphenyl	2	20	14.7	74		30 (10)	150 (173)
Q1514-08	ENV-103-GW01	Tetrachloro-m-xylene	1	20	23.9	119		30 (16)	150 (158)
		Decachlorobiphenyl	1	20	14.0	70		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	24.4	122		30 (16)	150 (158)
		Decachlorobiphenyl	2	20	15.5	78		30 (10)	150 (173)
Q1514-09	FB03062025	Tetrachloro-m-xylene	1	20	22.9	115		30 (16)	150 (158)
		Decachlorobiphenyl	1	20	15.2	76		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	23.2	116		30 (16)	150 (158)
		Decachlorobiphenyl	2	20	16.5	83		30 (10)	150 (173)
I.BLK-PO109741.D	PIBLK-PO109741.D	Tetrachloro-m-xylene	1	20	20.6	103		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.3	91		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.2	106		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.0	100		70 (60)	130 (140)
I.BLK-PP069995.D	PIBLK-PP069995.D	Tetrachloro-m-xylene	1	20	21.9	109		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.8	109		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.6	108		70 (60)	130 (140)
I.BLK-PP070348.D	PIBLK-PP070348.D	Tetrachloro-m-xylene	1	20	20.8	104		70 (60)	130 (140)

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Surrogate Summary

SDG No.: Q1514

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-PP070348.D	PIBLK-PP070348.D	Decachlorobiphenyl	1	20	19.6	98		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.6	103		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.6	103		70 (60)	130 (140)
PB167029BL	PB167029BL	Tetrachloro-m-xylene	1	20	24.2	121		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.4	107		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.0	120		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.6	108		30 (32)	150 (175)
PB167029BS	PB167029BS	Tetrachloro-m-xylene	1	20	24.6	123		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	22.2	111		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.8	114		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.1	110		30 (32)	150 (175)
I.BLK-PP070363.D	PIBLK-PP070363.D	Tetrachloro-m-xylene	1	20	21.4	107		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	19.8	99		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.8	104		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.3	101		70 (60)	130 (140)
Q1508-01MS	RBR251372MS	Tetrachloro-m-xylene	1	20	13.3	67		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	13.9	70		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	12.2	61		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	14.7	74		30 (32)	150 (175)
Q1508-01MSD	RBR251372MSD	Tetrachloro-m-xylene	1	20	13.8	69		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	14.2	71		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	12.5	62		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	14.6	73		30 (32)	150 (175)
Q1514-01	ENV-105-SB01	Tetrachloro-m-xylene	1	20	17.6	88		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	11.3	57		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.1	95		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	10.8	54		30 (32)	150 (175)
Q1514-03	ENV-105-SB02	Tetrachloro-m-xylene	1	20	22.3	112		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	13.1	66		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.2	121		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	13.9	70		30 (32)	150 (175)
Q1514-05	ENV-103-SB01	Tetrachloro-m-xylene	1	20	21.6	108		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	15.2	76		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.8	114		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	16.3	81		30 (32)	150 (175)
I.BLK-PP070378.D	PIBLK-PP070378.D	Tetrachloro-m-xylene	1	20	20.8	104		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	18.9	95		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.3	97		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.3	101		70 (60)	130 (140)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **DataFile :** PP070368.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:	**RBR251372MS**											
Q1508-01MS	AR1016	234.4	0	152	ug/kg	65				40 (55)	140 (146)	
	AR1260	234.4	0	190	ug/kg	81				40 (31)	140 (146)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **DataFile :** PP070369.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:	**RBR251372MSD**											
Q1508-01MSD	AR1016	234.4	0	156	ug/kg	67		3		40 (55)	140 (146)	30 (20)
	AR1260	234.4	0	197	ug/kg	84		4		40 (31)	140 (146)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **Datafile :** PO109729.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167028BS	AR1016	5	4.90	ug/L	98				40 (61)	140 (112)	
	AR1260	5	4.60	ug/L	92				40 (66)	140 (113)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **Datafile :** PO109730.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167028BSD	AR1016	5	4.90	ug/L	98	0			40 (61)	140 (112)	20 (20)
	AR1260	5	4.60	ug/L	92	0			40 (66)	140 (113)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **Datafile :** PP070355.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167029BS	AR1016	166.5	156	ug/kg	94				40 (71)	140 (120)	
	AR1260	166.5	147	ug/kg	88				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167028BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab Sample ID: PB167028BL Lab File ID: PO109728.D

Matrix: (soil/water) WATER Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 03/07/2025

Date Analyzed (1): 03/07/2025 Date Analyzed (2): 03/07/2025

Time Analyzed (1): 19:04 Time Analyzed (2): 19:04

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB167028BS	PB167028BS	PO109729.D	03/07/2025	03/07/2025
PB167028BSD	PB167028BSD	PO109730.D	03/07/2025	03/07/2025
ENV-105-GW01	Q1514-07	PO109731.D	03/07/2025	03/07/2025
ENV-103-GW01	Q1514-08	PO109732.D	03/07/2025	03/07/2025
FB03062025	Q1514-09	PO109733.D	03/07/2025	03/07/2025

COMMENTS:

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167029BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab Sample ID: PB167029BL Lab File ID: PP070354.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 03/07/2025

Date Analyzed (1): 03/07/2025 Date Analyzed (2): 03/07/2025

Time Analyzed (1): 13:41 Time Analyzed (2): 13:41

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
PB167029BS	PB167029BS	PP070355.D	03/07/2025	03/07/2025
RBR251372MS	Q1508-01MS	PP070368.D	03/07/2025	03/07/2025
RBR251372MSD	Q1508-01MSD	PP070369.D	03/07/2025	03/07/2025
ENV-105-SB01	Q1514-01	PP070370.D	03/07/2025	03/07/2025
ENV-105-SB02	Q1514-03	PP070371.D	03/07/2025	03/07/2025
ENV-103-SB01	Q1514-05	PP070372.D	03/07/2025	03/07/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167028BL	SDG No.:	Q1514
Lab Sample ID:	PB167028BL	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
PO109728.D	1	03/07/25 09:15	03/07/25 19:04	PB167028

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 (16) - 150 (158)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		30 (10) - 150 (173)	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167029BL	SDG No.:	Q1514
Lab Sample ID:	PB167029BL	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
PP070354.D	1	03/07/25 08:25	03/07/25 13:41	PB167029

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	24.2		30 (32) - 150 (144)	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		30 (32) - 150 (175)	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:	02/20/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/20/25
Client Sample ID:	PIBLK-PO109425.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PO109425.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109425.D	1		02/20/25	PO022025

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

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/07/25
Client Sample ID:	PIBLK-PO109727.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PO109727.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
PO109727.D	1		03/07/25	PO030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		70 (60) - 130 (140)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		70 (60) - 130 (140)	85%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/07/25
Client Sample ID:	PIBLK-PO109741.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PO109741.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
PO109741.D	1		03/07/25	PO030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		70 (60) - 130 (140)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.3		70 (60) - 130 (140)	91%	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:	02/24/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	PIBLK-PP069995.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PP069995.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
PP069995.D	1		02/24/25	PP022425

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	21.9		70 (60) - 130 (140)	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		70 (60) - 130 (140)	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:	03/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/07/25
Client Sample ID:	PIBLK-PP070348.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PP070348.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
PP070348.D	1		03/07/25	PP030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		70 (60) - 130 (140)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		70 (60) - 130 (140)	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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/07/25
Client Sample ID:	PIBLK-PP070363.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PP070363.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
PP070363.D	1		03/07/25	PP030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		70 (60) - 130 (140)	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		70 (60) - 130 (140)	99%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/07/25
Client Sample ID:	PIBLK-PP070378.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PP070378.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
PP070378.D	1		03/07/25	PP030725

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	19.3		70 (60) - 130 (140)	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		70 (60) - 130 (140)	95%	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
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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 2025	Date Received:	
Client Sample ID:	PB167028BS	SDG No.:	Q1514
Lab Sample ID:	PB167028BS	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
PO109729.D	1	03/07/25 09:15	03/07/25 19:22	PB167028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.90		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	4.60		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		30 (16) - 150 (158)	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		30 (10) - 150 (173)	95%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167029BS	SDG No.:	Q1514
Lab Sample ID:	PB167029BS	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
PP070355.D	1	03/07/25 08:25	03/07/25 13:57	PB167029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	156		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	147		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.6		30 (32) - 150 (144)	123%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		30 (32) - 150 (175)	111%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167028BSD	SDG No.:	Q1514
Lab Sample ID:	PB167028BSD	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
PO109730.D	1	03/07/25 09:15	03/07/25 19:40	PB167028

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.90		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	4.60		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.0		30 (16) - 150 (158)	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		30 (10) - 150 (173)	92%	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:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	RBR251372MS	SDG No.:	Q1514
Lab Sample ID:	Q1508-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	71 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
PP070368.D	1	03/07/25 08:25	03/07/25 18:11	PB167029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	152		4.80	23.9	ug/kg
11104-28-2	Aroclor-1221	9.00	U	9.00	23.9	ug/kg
11141-16-5	Aroclor-1232	4.80	U	4.80	23.9	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	23.9	ug/kg
12672-29-6	Aroclor-1248	11.1	U	11.1	23.9	ug/kg
11097-69-1	Aroclor-1254	159		3.80	23.9	ug/kg
37324-23-5	Aroclor-1262	6.40	U	6.40	23.9	ug/kg
11100-14-4	Aroclor-1268	4.80	U	4.80	23.9	ug/kg
11096-82-5	Aroclor-1260	190		4.10	23.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.3		30 (32) - 150 (144)	67%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.7		30 (32) - 150 (175)	74%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	RBR251372MSD	SDG No.:	Q1514
Lab Sample ID:	Q1508-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	71 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
PP070369.D	1	03/07/25 08:25	03/07/25 18:27	PB167029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	156		4.80	23.9	ug/kg
11104-28-2	Aroclor-1221	9.00	U	9.00	23.9	ug/kg
11141-16-5	Aroclor-1232	4.80	U	4.80	23.9	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	23.9	ug/kg
12672-29-6	Aroclor-1248	11.1	U	11.1	23.9	ug/kg
11097-69-1	Aroclor-1254	173	P	3.80	23.9	ug/kg
37324-23-5	Aroclor-1262	6.40	U	6.40	23.9	ug/kg
11100-14-4	Aroclor-1268	4.80	U	4.80	23.9	ug/kg
11096-82-5	Aroclor-1260	197		4.10	23.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.8		30 (32) - 150 (144)	69%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.6		30 (32) - 150 (175)	73%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

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

Calibration Times: 16:46 01:02

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

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

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

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

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RETENTION TIMES OF INITIAL CALIBRATION

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

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

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

Calibration Times: 16:46 01:02

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

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

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

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-2	(2)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-3	(3)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1016-4	(4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1016-5	(5)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1260-1	(1)	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Aroclor-1260-2	(2)	6.45	6.45	6.45	6.45	6.45	6.45	6.35	6.55
Aroclor-1260-3	(3)	6.60	6.60	6.60	6.60	6.60	6.60	6.50	6.70
Aroclor-1260-4	(4)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1260-5	(5)	7.31	7.31	7.31	7.31	7.31	7.31	7.21	7.41
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1242-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-2	(2)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1242-3	(3)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1242-4	(4)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1242-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1248-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1248-2	(2)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1248-4	(4)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1248-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1254-1	(1)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1254-2	(2)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1254-4	(4)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1254-5	(5)	6.77	6.78	6.77	6.78	6.77	6.77	6.67	6.87
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1268-1	(1)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Aroclor-1268-2	(2)	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
Aroclor-1268-3	(3)	7.87	7.87	7.87	7.87	7.87	7.87	7.77	7.97
Aroclor-1268-4	(4)	8.15	8.15	8.15	8.15	8.15	8.15	8.05	8.25
Aroclor-1268-5	(5)	8.45	8.45	8.45	8.45	8.45	8.45	8.35	8.55

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RETENTION TIMES OF INITIAL CALIBRATION

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

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

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

Calibration Times: 16:46 01:02

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

LAB FILE ID: **CF 1000 =** PO109426.D **CF 750 =** PO109427.D

CF 500 = PO109428.D **CF 250 =** PO109429.D **CF 050 =** PO109430.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	285955176	296470909	301678880	330073932	327272520	308290283	6
Aroclor-1016-2	(2)	400344510	409149469	414645114	446605912	434387780	421026557	5
Aroclor-1016-3	(3)	275712654	284750529	289403798	321232168	307985600	295816950	6
Aroclor-1016-4	(4)	217819857	224475380	225979744	249359212	241266360	231780111	6
Aroclor-1016-5	(5)	234915990	244172492	252269048	280073416	279718840	258229957	8
Aroclor-1260-1	(1)	432857882	445030616	458030860	496965692	497771560	466131322	6
Aroclor-1260-2	(2)	530613873	540598143	549997768	596865796	607516180	565118352	6
Aroclor-1260-3	(3)	446055940	458685821	463532386	505033376	504998020	475661109	6
Aroclor-1260-4	(4)	409227231	417077069	426071740	458083200	447546300	431601108	5
Aroclor-1260-5	(5)	975246933	982402905	1001465846	1034939896	975352280	993881572	3
Decachlorobiphenyl		8144381710	8253336907	8542716440	9068866760	9000001000	8601860563	5
Tetrachloro-m-xylene		9594159870	9382441773	9407964980	9839303320	9101752600	9465124509	3
Aroclor-1242-1	(1)	241553792	248781753	263582376	278206104	276700060	261764817	6
Aroclor-1242-2	(2)	330250979	341141312	360022594	377835792	370979720	356046079	6
Aroclor-1242-3	(3)	230958690	239403319	256570990	271941764	257976860	251370325	6
Aroclor-1242-4	(4)	181873604	188232188	200194694	210194852	201763980	196451864	6
Aroclor-1242-5	(5)	192196869	198312276	212424054	232317448	236630280	214376185	9
Decachlorobiphenyl		7571460160	7783053733	8197005760	8686332120	8704566000	8188483555	6
Tetrachloro-m-xylene		9236931880	9400204853	9446860340	9568057960	9056865000	9341784007	2
Aroclor-1248-1	(1)	183385441	189253437	200901320	213658596	210346400	199509039	7
Aroclor-1248-2	(2)	249519113	262229969	281655510	299590856	298458120	278290714	8
Aroclor-1248-3	(3)	313646829	324719312	346217716	370103360	392176240	349372691	9
Aroclor-1248-4	(4)	439951399	452724037	479184310	509535492	504078340	477094716	6
Aroclor-1248-5	(5)	310476659	318507132	337630456	365736804	380196620	342509534	9
Decachlorobiphenyl		7703959900	7913043760	8337132500	8816038680	8879579800	8329950928	6
Tetrachloro-m-xylene		9154374770	9319706587	9763537060	9884300480	9250244600	9474432699	3
Aroclor-1254-1	(1)	480630669	491242291	514290722	548494120	543375540	515606668	6
Aroclor-1254-2	(2)	417535343	429223996	451482582	481224324	472406420	450374533	6
Aroclor-1254-3	(3)	684838056	697322969	725628940	760808456	711178620	715955408	4
Aroclor-1254-4	(4)	417970360	409808872	428749386	461366848	376062040	418791501	7
Aroclor-1254-5	(5)	597298518	608943563	631623464	663830224	617819000	623902954	4
Decachlorobiphenyl		7967092830	8125756000	8528343640	8986366600	8782372000	8477986214	5
Tetrachloro-m-xylene		9511051460	9602004080	9843620680	9994457760	8495604200	9489347636	6
Aroclor-1268-1	(1)	1298860853	1294002563	1318124330	1365675636	1344427900	1324218256	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1196326079	1189492827	1207881780	1246550744	1205280700	1209106426	2
Aroclor-1268-3	(3)	1000400149	998939115	1012813102	1049647308	1029090160	1018177967	2
Aroclor-1268-4	(4)	407507962	408969772	420298422	442140308	445377360	424858765	4
Aroclor-1268-5	(5)	3060378797	3013397139	3036609122	3075360324	2912511720	3019651420	2
Decachlorobiphenyl		14147642890	14125651173	14472115980	15180190720	15441285400	14673377233	4
Tetrachloro-m-xylene		9652630020	9799388160	9953085600	10360200640	9708060200	9894672924	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

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

Calibration Times: 16:46 01:02

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

LAB FILE ID: **CF 1000 =** PO109426.D **CF 750 =** PO109427.D

CF 500 = PO109428.D **CF 250 =** PO109429.D **CF 050 =** PO109430.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	144422659	148428763	152032096	167484860	168484300	156170536	7
Aroclor-1016-2	(2)	205202725	208508729	213432994	229519564	225505040	216433810	5
Aroclor-1016-3	(3)	112302196	115067393	117212622	128579748	124094120	119451216	6
Aroclor-1016-4	(4)	94709981	98717735	101165102	112923876	112836120	104070563	8
Aroclor-1016-5	(5)	124417087	127943616	132644098	146345704	149917060	136253513	8
Aroclor-1260-1	(1)	217936136	223782013	232739904	251644640	258495520	236919643	7
Aroclor-1260-2	(2)	255563339	259366392	268832038	291215424	300878620	275171163	7
Aroclor-1260-3	(3)	239301078	242165468	249897958	270279452	273707020	255070195	6
Aroclor-1260-4	(4)	193987222	196916529	202218624	218214048	219624820	206192249	6
Aroclor-1260-5	(5)	436097628	435546231	443785112	464386884	459099080	447782987	3
Decachlorobiphenyl		2971514290	3027039307	3156019460	3385128400	3381593200	3184258931	6
Tetrachloro-m-xylene		5186272490	5246400280	5221242400	5478386840	5038748400	5234210082	3
Aroclor-1242-1	(1)	120966720	124746516	133128702	141428800	141463920	132346932	7
Aroclor-1242-2	(2)	169605960	173512545	183266616	192017376	189176180	181515735	5
Aroclor-1242-3	(3)	93390359	96634075	102245092	107691940	99411220	99874537	5
Aroclor-1242-4	(4)	96389066	101019272	107789002	115338428	114056640	106918482	8
Aroclor-1242-5	(5)	113196636	117716005	125239314	135801980	136573300	125705447	8
Decachlorobiphenyl		2727823240	2861750760	3019178360	3243379080	3243962600	3019218808	8
Tetrachloro-m-xylene		5001213420	5078322907	5254229320	5289448280	4851665000	5094975785	4
Aroclor-1248-1	(1)	91256927	94139561	100767396	107614600	108857060	100527109	8
Aroclor-1248-2	(2)	130560541	136645137	146421094	157143508	156628300	145479716	8
Aroclor-1248-3	(3)	139283148	144897643	155701690	166430352	168727860	155008139	8
Aroclor-1248-4	(4)	163903044	169411200	180364434	193711724	196594760	180797032	8
Aroclor-1248-5	(5)	154356880	158447996	169575560	183331920	195308840	172204239	10
Decachlorobiphenyl		2790488700	2873613467	3038569420	3241156720	3294897400	3047745141	7
Tetrachloro-m-xylene		4955293160	5040468413	5221131320	5264696400	4750589600	5046435779	4
Aroclor-1254-1	(1)	243640751	248872624	260914738	280861344	273402140	261538319	6
Aroclor-1254-2	(2)	212545511	218679507	230680254	249214456	261687520	234561450	9
Aroclor-1254-3	(3)	339799719	346366689	360950750	378906048	357499640	356704569	4
Aroclor-1254-4	(4)	192329190	189854227	199746634	214807996	168878980	193123405	9
Aroclor-1254-5	(5)	278490681	283928981	296376396	314100456	310764660	296732235	5
Decachlorobiphenyl		2841760820	2921691133	3072525860	3310057280	3280037800	3085214579	7
Tetrachloro-m-xylene		5117525260	5147853200	5214583540	5337931960	4481650800	5059908952	7
Aroclor-1268-1	(1)	554131487	553810328	564174560	591076320	593868340	571412207	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	512614105	511079256	520949472	543420336	536655740	524943782	3
Aroclor-1268-3	(3)	413643589	412567932	420525622	442592008	450889440	428043718	4
Aroclor-1268-4	(4)	153729603	155030577	163078820	169661456	165174880	161335067	4
Aroclor-1268-5	(5)	1087226853	1077982207	1085826158	1121186428	1093500600	1093144449	2
Decachlorobiphenyl		4950835750	4972853373	5123922200	5430816080	5582978400	5212281161	5
Tetrachloro-m-xylene		5266816140	5271127760	5328349480	5507659840	5128975000	5300585644	3

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	131879000
		2	4.00	3.90	4.10	98701000
		3	4.07	3.97	4.17	269838000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	208928000
		2	4.57	4.47	4.67	116083000
		3	4.81	4.71	4.91	201936000
		4	4.99	4.89	5.09	111220000
		5	5.03	4.93	5.13	81668600
Aroclor-1262	500	1	6.85	6.75	6.95	665842000
		2	7.35	7.25	7.45	1129720000
		3	7.63	7.53	7.73	448264000
		4	7.70	7.60	7.80	829210000
		5	8.19	8.09	8.29	373330000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

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

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	68502400
		2	3.99	3.89	4.09	51339800
		3	4.07	3.97	4.17	145428000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	111462000
		2	4.80	4.70	4.90	103317000
		3	4.97	4.87	5.07	56771800
		4	5.06	4.96	5.16	54894600
		5	5.23	5.13	5.33	58805000
Aroclor-1262	500	1	6.81	6.71	6.91	317212000
		2	7.31	7.21	7.41	498620000
		3	7.60	7.50	7.70	196255000
		4	7.66	7.56	7.76	354890000
		5	8.15	8.05	8.25	143138000

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Instrument ID: ECD_P **Calibration Date(s):** 02/24/2025 02/24/2025

Calibration Times: 14:59 22:17

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

LAB FILE ID: RT 1000 = PP069996.D RT 750 = PP069997.D

RT 500 = PP069998.D RT 250 = PP069999.D RT 050 = PP070000.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1016-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1016-3	(3)	5.76	5.76	5.77	5.76	5.76	5.76	5.66	5.86
Aroclor-1016-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1016-5	(5)	6.15	6.15	6.16	6.15	6.15	6.15	6.05	6.25
Aroclor-1260-1	(1)	7.27	7.27	7.28	7.27	7.28	7.27	7.17	7.37
Aroclor-1260-2	(2)	7.52	7.53	7.53	7.53	7.53	7.53	7.43	7.63
Aroclor-1260-3	(3)	7.88	7.89	7.89	7.88	7.89	7.89	7.79	7.99
Aroclor-1260-4	(4)	8.11	8.11	8.11	8.11	8.11	8.11	8.01	8.21
Aroclor-1260-5	(5)	8.43	8.43	8.43	8.43	8.43	8.43	8.33	8.53
Decachlorobiphenyl		10.25	10.26	10.26	10.25	10.26	10.25	10.15	10.35
Tetrachloro-m-xylene		4.52	4.53	4.53	4.52	4.53	4.53	4.43	4.63
Aroclor-1242-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1242-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1242-3	(3)	5.76	5.76	5.77	5.76	5.76	5.76	5.66	5.86
Aroclor-1242-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1242-5	(5)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Decachlorobiphenyl		10.26	10.25	10.26	10.25	10.26	10.26	10.16	10.36
Tetrachloro-m-xylene		4.53	4.52	4.53	4.53	4.53	4.53	4.43	4.63
Aroclor-1248-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1248-2	(2)	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Aroclor-1248-3	(3)	6.15	6.16	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1248-4	(4)	6.55	6.56	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1248-5	(5)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Decachlorobiphenyl		10.26	10.26	10.26	10.26	10.25	10.26	10.16	10.36
Tetrachloro-m-xylene		4.53	4.53	4.53	4.53	4.52	4.53	4.43	4.63
Aroclor-1254-1	(1)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1254-2	(2)	6.75	6.74	6.75	6.75	6.74	6.75	6.65	6.85
Aroclor-1254-3	(3)	7.11	7.11	7.11	7.11	7.11	7.11	7.01	7.21
Aroclor-1254-4	(4)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Aroclor-1254-5	(5)	7.81	7.80	7.81	7.81	7.81	7.81	7.71	7.91
Decachlorobiphenyl		10.26	10.25	10.26	10.26	10.26	10.26	10.16	10.36
Tetrachloro-m-xylene		4.53	4.52	4.53	4.53	4.52	4.53	4.43	4.63
Aroclor-1268-1	(1)	8.74	8.75	8.75	8.74	8.75	8.75	8.65	8.85
Aroclor-1268-2	(2)	8.84	8.84	8.84	8.84	8.84	8.84	8.74	8.94
Aroclor-1268-3	(3)	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
Aroclor-1268-4	(4)	9.49	9.49	9.49	9.49	9.49	9.49	9.39	9.59
Aroclor-1268-5	(5)	9.91	9.91	9.91	9.91	9.91	9.91	9.81	10.01

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.25	10.25	10.26	10.25	10.26	10.25	10.15	10.35
Tetrachloro-m-xylene	4.52	4.53	4.53	4.52	4.53	4.53	4.43	4.63

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Instrument ID: ECD_P **Calibration Date(s):** 02/24/2025 02/24/2025

Calibration Times: 14:59 22:17

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

LAB FILE ID: RT 1000 = PP069996.D RT 750 = PP069997.D

RT 500 = PP069998.D RT 250 = PP069999.D RT 050 = PP070000.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-3	(3)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1016-4	(4)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1016-5	(5)	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Aroclor-1260-1	(1)	6.41	6.41	6.41	6.41	6.41	6.41	6.31	6.51
Aroclor-1260-2	(2)	6.60	6.60	6.60	6.60	6.60	6.60	6.50	6.70
Aroclor-1260-3	(3)	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Aroclor-1260-4	(4)	7.23	7.23	7.23	7.23	7.23	7.23	7.13	7.33
Aroclor-1260-5	(5)	7.47	7.47	7.47	7.47	7.47	7.47	7.37	7.57
Decachlorobiphenyl		8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1242-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-3	(3)	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Aroclor-1242-4	(4)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1242-5	(5)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Decachlorobiphenyl		8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1248-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1248-2	(2)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-3	(3)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1248-4	(4)	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Aroclor-1248-5	(5)	5.77	5.77	5.77	5.77	5.77	5.77	5.67	5.87
Decachlorobiphenyl		8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1254-1	(1)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-2	(2)	5.88	5.88	5.88	5.88	5.87	5.88	5.78	5.98
Aroclor-1254-3	(3)	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Aroclor-1254-4	(4)	6.51	6.51	6.51	6.51	6.51	6.51	6.41	6.61
Aroclor-1254-5	(5)	6.93	6.93	6.93	6.93	6.93	6.93	6.83	7.03
Decachlorobiphenyl		8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1268-1	(1)	7.75	7.75	7.75	7.75	7.75	7.75	7.65	7.85
Aroclor-1268-2	(2)	7.81	7.82	7.82	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-3	(3)	8.02	8.02	8.02	8.02	8.02	8.02	7.92	8.12
Aroclor-1268-4	(4)	8.32	8.32	8.32	8.31	8.32	8.32	8.22	8.42
Aroclor-1268-5	(5)	8.62	8.62	8.62	8.62	8.62	8.62	8.52	8.72

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene	3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Instrument ID: ECD_P **Calibration Date(s):** 02/24/2025 02/24/2025

Calibration Times: 14:59 22:17

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

LAB FILE ID: **CF 1000 =** PP069996.D **CF 750 =** PP069997.D

CF 500 = PP069998.D **CF 250 =** PP069999.D **CF 050 =** PP070000.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	45557625	47855512	49968516	54800208	50948980	49826168	7
Aroclor-1016-2	(2)	66706952	67781012	72991154	76640772	69769920	70777962	6
Aroclor-1016-3	(3)	40794671	44579197	45146958	47844192	41247180	43922440	7
Aroclor-1016-4	(4)	33978080	35043389	37559532	39668600	35057220	36261364	6
Aroclor-1016-5	(5)	31514906	31680175	34068042	35364724	35064900	33538549	5
Aroclor-1260-1	(1)	54823994	55486535	59388846	62695304	59405260	58359988	6
Aroclor-1260-2	(2)	73383444	75987972	80712800	85961116	92581060	81725278	9
Aroclor-1260-3	(3)	59489338	60560020	64011918	67792592	61951460	62761066	5
Aroclor-1260-4	(4)	58704582	59596489	63141360	67201512	68361020	63400993	7
Aroclor-1260-5	(5)	124764910	128178828	134805260	140592412	127581700	131184622	5
Decachlorobiphenyl		1071742430	1139629213	1165555660	1227723520	1090515400	1139033245	5
Tetrachloro-m-xylene		1433727050	1435859520	1533424440	1590932200	1344174400	1467623522	7
Aroclor-1242-1	(1)	38359202	40766156	41566668	47963164	43620760	42455190	9
Aroclor-1242-2	(2)	56757612	55666953	60328714	62664932	52294440	57542530	7
Aroclor-1242-3	(3)	34692482	36785992	38528310	46539712	33080140	37925327	14
Aroclor-1242-4	(4)	28738709	28291829	32018112	32372976	27652280	29814781	7
Aroclor-1242-5	(5)	32588629	32785485	35429746	39255208	36117200	35235254	8
Decachlorobiphenyl		1021050090	1049520227	1099648880	1125224680	979176800	1054924135	6
Tetrachloro-m-xylene		1392047690	1350066600	1467421460	1456806320	1242599600	1381788334	7
Aroclor-1248-1	(1)	29585124	31433301	32559076	36305496	33667780	32710155	8
Aroclor-1248-2	(2)	39473771	42013749	42864276	46958912	39450360	42152214	7
Aroclor-1248-3	(3)	43926772	44170904	46948106	50004072	40811360	45172243	8
Aroclor-1248-4	(4)	53918087	55655911	58640506	66304332	60297700	58963307	8
Aroclor-1248-5	(5)	51833391	52919351	56894804	67563228	56719440	57186043	11
Decachlorobiphenyl		1044729320	1067835560	1119982260	1186291160	1031748600	1090117380	6
Tetrachloro-m-xylene		1393266240	1426265507	1481945040	1527838200	1310175600	1427898117	6
Aroclor-1254-1	(1)	51156577	57570420	60622162	67008468	47144000	56700325	14
Aroclor-1254-2	(2)	78872042	81254612	86985854	93340172	97974740	87685484	9
Aroclor-1254-3	(3)	79973406	82322503	87641586	92940192	102754200	89126377	10
Aroclor-1254-4	(4)	66856800	68050653	73453394	76814612	87380160	74511124	11
Aroclor-1254-5	(5)	65315189	68448207	69620926	72356948	60070200	67162294	7
Decachlorobiphenyl		1075591380	1094765307	1221801800	1207489520	1097348200	1139399241	6
Tetrachloro-m-xylene		1443804100	1475957520	1555264320	1605313440	1392239200	1494515716	6
Aroclor-1268-1	(1)	188433469	184749517	193628348	206851508	186804180	192093404	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	162697797	159627413	168307400	177293676	160000200	165585297	4
Aroclor-1268-3	(3)	141621356	137143849	145386650	153273656	140094780	143504058	4
Aroclor-1268-4	(4)	63392961	60284985	64357574	66970196	60240320	63049207	5
Aroclor-1268-5	(5)	414016384	401287087	418333378	444189832	401775920	415920520	4
Decachlorobiphenyl		1839528480	1828279133	1916502300	2031355480	1847859400	1892704959	4
Tetrachloro-m-xylene		1501238100	1376017987	1532711540	1621137720	1417123400	1489645749	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Instrument ID: ECD_P **Calibration Date(s):** 02/24/2025 02/24/2025

Calibration Times: 14:59 22:17

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

LAB FILE ID: **CF 1000 =** PP069996.D **CF 750 =** PP069997.D

CF 500 = PP069998.D **CF 250 =** PP069999.D **CF 050 =** PP070000.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	29885830	30191223	33586918	36186236	37142680	33398577	10
Aroclor-1016-2	(2)	42247324	42370143	46984138	50510676	50858960	46594248	9
Aroclor-1016-3	(3)	23325129	22666977	25816242	27757500	25596220	25032414	8
Aroclor-1016-4	(4)	18421261	17991491	20585360	22152124	21203180	20070683	9
Aroclor-1016-5	(5)	23822938	23028484	26536406	28616852	27728040	25946544	9
Aroclor-1260-1	(1)	44977992	45171227	49550340	56779968	51216800	49539265	10
Aroclor-1260-2	(2)	59688698	59926561	64720792	71640216	71124240	65420101	9
Aroclor-1260-3	(3)	52251359	51461445	57261004	62988144	77648420	60322074	18
Aroclor-1260-4	(4)	44361395	45109507	48615116	51524344	54726600	48867392	9
Aroclor-1260-5	(5)	111484150	113477796	119592622	125243744	126075940	119174850	6
Decachlorobiphenyl		984571270	1029317907	1118262220	1135932120	1152437600	1084104223	7
Tetrachloro-m-xylene		879784240	907640400	952717360	1058760600	981262000	956032920	7
Aroclor-1242-1	(1)	25489035	24475017	27848416	27117444	28407820	26667546	6
Aroclor-1242-2	(2)	35977820	35199769	38539928	39076044	37212540	37201220	4
Aroclor-1242-3	(3)	19863858	18273261	20997152	20082888	19211500	19685732	5
Aroclor-1242-4	(4)	18777771	17922656	19968364	21100536	20505160	19654897	7
Aroclor-1242-5	(5)	24360224	22407967	26366090	27368000	23855560	24871568	8
Decachlorobiphenyl		899284040	984619373	1017502000	1027377360	962336000	978223755	5
Tetrachloro-m-xylene		920809800	854904253	959106780	929536920	894966400	911864831	4
Aroclor-1248-1	(1)	19339318	20312839	22158310	22596092	21441940	21169700	6
Aroclor-1248-2	(2)	25841628	26874321	28982946	30984640	28578600	28252427	7
Aroclor-1248-3	(3)	26866525	28025000	30088164	32810700	30987640	29755606	8
Aroclor-1248-4	(4)	31739244	33065895	35285822	36808472	38827540	35145395	8
Aroclor-1248-5	(5)	32923317	34190145	36090288	38291344	39345240	36168067	7
Decachlorobiphenyl		999826530	1002616133	1003875200	1054961080	1165261200	1045308029	7
Tetrachloro-m-xylene		903111320	931293867	957405100	986258320	972075400	950028801	3
Aroclor-1254-1	(1)	50279933	51640439	55752488	60013056	55160920	54569367	7
Aroclor-1254-2	(2)	44271421	45567105	49578352	53549416	50761380	48745535	8
Aroclor-1254-3	(3)	70979950	72598121	78881282	84287020	72336540	75816583	7
Aroclor-1254-4	(4)	50771725	50149405	54249580	57298592	44830820	51460024	9
Aroclor-1254-5	(5)	64408865	66088107	72696700	75630908	59021560	67569228	10
Decachlorobiphenyl		963124600	1013018133	1145558760	1245512000	1148271200	1103096939	10
Tetrachloro-m-xylene		957176240	952284093	991535260	1081903280	978837400	992347255	5
Aroclor-1268-1	(1)	160284327	157759444	159569126	170516088	180615940	165748985	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	139528496	137224495	137304354	146542344	164608100	145041558	8
Aroclor-1268-3	(3)	118669811	115934707	120470364	129761704	127485360	122464389	5
Aroclor-1268-4	(4)	50956768	50155827	52914114	57814536	54084040	53185057	6
Aroclor-1268-5	(5)	345492428	353062379	344150492	366619864	366772500	355219533	3
Decachlorobiphenyl		1574839450	1670989493	1686779340	1791292760	1882315600	1721243329	7
Tetrachloro-m-xylene		969499550	855552893	995885280	1076293640	1034726400	986391553	8

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Instrument ID: ECD_P **Date(s) Analyzed:** 02/24/2025 02/24/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.73	4.63	4.83	18915900
		2	4.81	4.71	4.91	14591600
		3	4.89	4.79	4.99	43158200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.89	4.79	4.99	32884000
		2	5.42	5.32	5.52	16260200
		3	5.70	5.60	5.80	34867200
		4	5.86	5.76	5.96	17799400
		5	5.95	5.85	6.05	12607200
Aroclor-1262	500	1	8.11	8.01	8.21	80729000
		2	8.43	8.33	8.53	161087000
		3	8.75	8.65	8.85	110612000
		4	8.84	8.74	8.94	83914000
		5	9.49	9.39	9.59	58804600

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Instrument ID: ECD_P **Date(s) Analyzed:** 02/24/2025 02/24/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.04	3.94	4.14	13421200
		2	4.13	4.03	4.23	10166200
		3	4.21	4.11	4.31	30359600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.21	4.11	4.31	22742000
		2	4.94	4.84	5.04	22833200
		3	5.12	5.02	5.22	12024000
		4	5.20	5.10	5.30	10865300
		5	5.37	5.27	5.47	11305400
Aroclor-1262	500	1	6.97	6.87	7.07	83475400
		2	7.23	7.13	7.33	66291000
		3	7.75	7.65	7.85	60580400
		4	7.81	7.71	7.91	105474000
		5	8.32	8.22	8.42	51930200

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/07/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 17:33 **Initial Calibration Time(s):** 16:46 01:02

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.01
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.48	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.35	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.75	8.76	8.66	8.86	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/07/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 17:33 **Initial Calibration Time(s):** 16:46 01:02

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.26	6.26	6.16	6.36	0.00
Aroclor-1260-2	(2)	6.45	6.45	6.35	6.55	0.00
Aroclor-1260-3	(3)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.71	8.71	8.61	8.81	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109723.D **Time Analyzed:** 17:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.789	4.691	4.891	528.490	500.000	5.7
Aroclor-1016-2	4.809	4.711	4.911	534.270	500.000	6.9
Aroclor-1016-3	4.865	4.767	4.967	530.540	500.000	6.1
Aroclor-1016-4	4.986	4.888	5.088	528.650	500.000	5.7
Aroclor-1016-5	5.243	5.145	5.345	533.980	500.000	6.8
Aroclor-1260-1	6.285	6.188	6.388	462.800	500.000	-7.4
Aroclor-1260-2	6.475	6.377	6.577	464.780	500.000	-7.0
Aroclor-1260-3	6.843	6.746	6.946	480.600	500.000	-3.9
Aroclor-1260-4	7.103	7.005	7.205	474.640	500.000	-5.1
Aroclor-1260-5	7.345	7.247	7.447	455.720	500.000	-8.9
Decachlorobiphenyl	8.753	8.657	8.857	47.210	50.000	-5.6
Tetrachloro-m-xylene	3.696	3.598	3.798	52.860	50.000	5.7

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109723.D **Time Analyzed:** 17:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.777	4.678	4.878	559.280	500.000	11.9
Aroclor-1016-2	4.796	4.697	4.897	567.820	500.000	13.6
Aroclor-1016-3	4.973	4.872	5.072	564.830	500.000	13.0
Aroclor-1016-4	5.014	4.914	5.114	529.430	500.000	5.9
Aroclor-1016-5	5.227	5.127	5.327	564.140	500.000	12.8
Aroclor-1260-1	6.260	6.161	6.361	507.370	500.000	1.5
Aroclor-1260-2	6.447	6.348	6.548	501.990	500.000	0.4
Aroclor-1260-3	6.601	6.502	6.702	495.000	500.000	-1.0
Aroclor-1260-4	7.073	6.974	7.174	480.740	500.000	-3.9
Aroclor-1260-5	7.314	7.214	7.414	491.550	500.000	-1.7
Decachlorobiphenyl	8.706	8.607	8.807	48.200	50.000	-3.6
Tetrachloro-m-xylene	3.694	3.594	3.794	56.280	50.000	12.6

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/07/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 22:17 **Initial Calibration Time(s):** 16:46 01:02

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.87	4.87	4.77	4.97	0.01
Aroclor-1016-4	(4)	4.99	4.99	4.89	5.09	0.00
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.29	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.47	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.34	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.70	3.70	3.60	3.80	0.00
Decachlorobiphenyl		8.75	8.76	8.66	8.86	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/07/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 22:17 **Initial Calibration Time(s):** 16:46 01:02

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.26	6.26	6.16	6.36	0.00
Aroclor-1260-2	(2)	6.45	6.45	6.35	6.55	0.00
Aroclor-1260-3	(3)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.71	8.71	8.61	8.81	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109737.D **Time Analyzed:** 22:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.789	4.691	4.891	540.020	500.000	8.0
Aroclor-1016-2	4.809	4.711	4.911	542.330	500.000	8.5
Aroclor-1016-3	4.865	4.767	4.967	543.280	500.000	8.7
Aroclor-1016-4	4.985	4.888	5.088	545.240	500.000	9.0
Aroclor-1016-5	5.244	5.145	5.345	568.490	500.000	13.7
Aroclor-1260-1	6.285	6.188	6.388	527.110	500.000	5.4
Aroclor-1260-2	6.474	6.377	6.577	516.030	500.000	3.2
Aroclor-1260-3	6.842	6.746	6.946	506.590	500.000	1.3
Aroclor-1260-4	7.102	7.005	7.205	494.530	500.000	-1.1
Aroclor-1260-5	7.344	7.247	7.447	488.740	500.000	-2.3
Decachlorobiphenyl	8.752	8.657	8.857	43.420	50.000	-13.2
Tetrachloro-m-xylene	3.696	3.598	3.798	53.250	50.000	6.5

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109737.D **Time Analyzed:** 22:17

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.777	4.678	4.878	561.250	500.000	12.3
Aroclor-1016-2	4.796	4.697	4.897	574.670	500.000	14.9
Aroclor-1016-3	4.971	4.872	5.072	572.490	500.000	14.5
Aroclor-1016-4	5.013	4.914	5.114	519.900	500.000	4.0
Aroclor-1016-5	5.226	5.127	5.327	592.260	500.000	18.5
Aroclor-1260-1	6.259	6.161	6.361	541.810	500.000	8.4
Aroclor-1260-2	6.447	6.348	6.548	542.930	500.000	8.6
Aroclor-1260-3	6.600	6.502	6.702	533.020	500.000	6.6
Aroclor-1260-4	7.072	6.974	7.174	520.050	500.000	4.0
Aroclor-1260-5	7.313	7.214	7.414	527.490	500.000	5.5
Decachlorobiphenyl	8.705	8.607	8.807	45.760	50.000	-8.5
Tetrachloro-m-xylene	3.694	3.594	3.794	56.600	50.000	13.2

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/07/2025 **Initial Calibration Date(s):** 02/24/2025 02/24/2025

Continuing Calib Time: 10:58 **Initial Calibration Time(s):** 14:59 22:17

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)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.77	5.67	5.87	0.01
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.16	6.06	6.26	0.01
Aroclor-1260-1	(1)	7.27	7.28	7.18	7.38	0.01
Aroclor-1260-2	(2)	7.53	7.53	7.43	7.63	0.00
Aroclor-1260-3	(3)	7.88	7.89	7.79	7.99	0.01
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.00
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.53	4.53	4.43	4.63	0.00
Decachlorobiphenyl		10.25	10.26	10.16	10.36	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/07/2025 **Initial Calibration Date(s):** 02/24/2025 02/24/2025

Continuing Calib Time: 10:58 **Initial Calibration Time(s):** 14:59 22:17

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)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-4	(4)	5.15	5.16	5.06	5.26	0.01
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.00
Aroclor-1260-1	(1)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.75	6.75	6.65	6.85	0.00
Aroclor-1260-4	(4)	7.22	7.23	7.13	7.33	0.01
Aroclor-1260-5	(5)	7.46	7.47	7.37	7.57	0.01
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.88	8.89	8.79	8.99	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/24/2025 02/24/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070344.D **Time Analyzed:** 10:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.677	5.581	5.781	480.930	500.000	-3.8
Aroclor-1016-2	5.699	5.602	5.802	500.630	500.000	0.1
Aroclor-1016-3	5.762	5.665	5.865	483.140	500.000	-3.4
Aroclor-1016-4	5.858	5.762	5.962	491.090	500.000	-1.8
Aroclor-1016-5	6.152	6.056	6.256	494.120	500.000	-1.2
Aroclor-1260-1	7.272	7.175	7.375	497.790	500.000	-0.4
Aroclor-1260-2	7.525	7.429	7.629	482.220	500.000	-3.6
Aroclor-1260-3	7.884	7.788	7.988	522.690	500.000	4.5
Aroclor-1260-4	8.108	8.012	8.212	516.070	500.000	3.2
Aroclor-1260-5	8.429	8.333	8.533	506.350	500.000	1.3
Decachlorobiphenyl	10.251	10.156	10.356	49.190	50.000	-1.6
Tetrachloro-m-xylene	4.525	4.427	4.627	53.970	50.000	7.9

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/24/2025 02/24/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070344.D **Time Analyzed:** 10:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.916	4.820	5.020	505.660	500.000	1.1
Aroclor-1016-2	4.935	4.839	5.039	503.030	500.000	0.6
Aroclor-1016-3	5.112	5.017	5.217	522.440	500.000	4.5
Aroclor-1016-4	5.154	5.058	5.258	515.150	500.000	3.0
Aroclor-1016-5	5.369	5.273	5.473	528.830	500.000	5.8
Aroclor-1260-1	6.406	6.312	6.512	487.230	500.000	-2.6
Aroclor-1260-2	6.594	6.500	6.700	492.820	500.000	-1.4
Aroclor-1260-3	6.748	6.654	6.854	461.080	500.000	-7.8
Aroclor-1260-4	7.221	7.126	7.326	526.310	500.000	5.3
Aroclor-1260-5	7.462	7.367	7.567	540.800	500.000	8.2
Decachlorobiphenyl	8.881	8.788	8.988	46.780	50.000	-6.4
Tetrachloro-m-xylene	3.828	3.730	3.930	50.560	50.000	1.1

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/07/2025 **Initial Calibration Date(s):** 02/24/2025 02/24/2025

Continuing Calib Time: 15:45 **Initial Calibration Time(s):** 14:59 22:17

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)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.77	5.67	5.87	0.01
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.16	6.06	6.26	0.01
Aroclor-1260-1	(1)	7.27	7.28	7.18	7.38	0.01
Aroclor-1260-2	(2)	7.53	7.53	7.43	7.63	0.00
Aroclor-1260-3	(3)	7.89	7.89	7.79	7.99	0.00
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.00
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.53	4.53	4.43	4.63	0.00
Decachlorobiphenyl		10.25	10.26	10.16	10.36	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/07/2025 **Initial Calibration Date(s):** 02/24/2025 02/24/2025

Continuing Calib Time: 15:45 **Initial Calibration Time(s):** 14:59 22:17

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)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-3	(3)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-4	(4)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.00
Aroclor-1260-1	(1)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-2	(2)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-3	(3)	6.75	6.75	6.65	6.85	0.00
Aroclor-1260-4	(4)	7.22	7.23	7.13	7.33	0.01
Aroclor-1260-5	(5)	7.46	7.47	7.37	7.57	0.01
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.88	8.89	8.79	8.99	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/24/2025 02/24/2025

Client Sample No.: CCAL04 **Date Analyzed:** 03/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070359.D **Time Analyzed:** 15:45

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.678	5.581	5.781	485.280	500.000	-2.9
Aroclor-1016-2	5.700	5.602	5.802	488.960	500.000	-2.2
Aroclor-1016-3	5.762	5.665	5.865	477.110	500.000	-4.6
Aroclor-1016-4	5.860	5.762	5.962	483.790	500.000	-3.2
Aroclor-1016-5	6.153	6.056	6.256	506.220	500.000	1.2
Aroclor-1260-1	7.272	7.175	7.375	498.040	500.000	-0.4
Aroclor-1260-2	7.526	7.429	7.629	480.170	500.000	-4.0
Aroclor-1260-3	7.885	7.788	7.988	511.910	500.000	2.4
Aroclor-1260-4	8.110	8.012	8.212	500.740	500.000	0.1
Aroclor-1260-5	8.430	8.333	8.533	507.150	500.000	1.4
Decachlorobiphenyl	10.254	10.156	10.356	49.030	50.000	-1.9
Tetrachloro-m-xylene	4.525	4.427	4.627	53.530	50.000	7.1

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/24/2025 02/24/2025

Client Sample No.: CCAL04 **Date Analyzed:** 03/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070359.D **Time Analyzed:** 15:45

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.917	4.820	5.020	495.440	500.000	-0.9
Aroclor-1016-2	4.936	4.839	5.039	500.480	500.000	0.1
Aroclor-1016-3	5.113	5.017	5.217	521.100	500.000	4.2
Aroclor-1016-4	5.155	5.058	5.258	517.520	500.000	3.5
Aroclor-1016-5	5.370	5.273	5.473	523.670	500.000	4.7
Aroclor-1260-1	6.408	6.312	6.512	483.400	500.000	-3.3
Aroclor-1260-2	6.596	6.500	6.700	486.610	500.000	-2.7
Aroclor-1260-3	6.750	6.654	6.854	461.360	500.000	-7.7
Aroclor-1260-4	7.223	7.126	7.326	534.160	500.000	6.8
Aroclor-1260-5	7.463	7.367	7.567	538.180	500.000	7.6
Decachlorobiphenyl	8.883	8.788	8.988	49.460	50.000	-1.1
Tetrachloro-m-xylene	3.829	3.730	3.930	49.650	50.000	-0.7

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/07/2025 **Initial Calibration Date(s):** 02/24/2025 02/24/2025

Continuing Calib Time: 20:32 **Initial Calibration Time(s):** 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.77	5.67	5.87	0.01
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.16	6.06	6.26	0.01
Aroclor-1260-1	(1)	7.27	7.28	7.18	7.38	0.01
Aroclor-1260-2	(2)	7.53	7.53	7.43	7.63	0.00
Aroclor-1260-3	(3)	7.89	7.89	7.79	7.99	0.00
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.00
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.53	4.53	4.43	4.63	0.00
Decachlorobiphenyl		10.25	10.26	10.16	10.36	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/07/2025 **Initial Calibration Date(s):** 02/24/2025 02/24/2025

Continuing Calib Time: 20:32 **Initial Calibration Time(s):** 14:59 22:17

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)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-4	(4)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.00
Aroclor-1260-1	(1)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-2	(2)	6.60	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.75	6.75	6.65	6.85	0.00
Aroclor-1260-4	(4)	7.22	7.23	7.13	7.33	0.01
Aroclor-1260-5	(5)	7.46	7.47	7.37	7.57	0.01
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.88	8.89	8.79	8.99	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/24/2025 02/24/2025

Client Sample No.: CCAL05 **Date Analyzed:** 03/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070374.D **Time Analyzed:** 20:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.678	5.581	5.781	483.600	500.000	-3.3
Aroclor-1016-2	5.700	5.602	5.802	489.820	500.000	-2.0
Aroclor-1016-3	5.762	5.665	5.865	482.920	500.000	-3.4
Aroclor-1016-4	5.860	5.762	5.962	488.620	500.000	-2.3
Aroclor-1016-5	6.153	6.056	6.256	484.370	500.000	-3.1
Aroclor-1260-1	7.272	7.175	7.375	502.220	500.000	0.4
Aroclor-1260-2	7.526	7.429	7.629	478.070	500.000	-4.4
Aroclor-1260-3	7.885	7.788	7.988	511.980	500.000	2.4
Aroclor-1260-4	8.109	8.012	8.212	496.830	500.000	-0.6
Aroclor-1260-5	8.430	8.333	8.533	499.330	500.000	-0.1
Decachlorobiphenyl	10.253	10.156	10.356	48.470	50.000	-3.1
Tetrachloro-m-xylene	4.526	4.427	4.627	53.510	50.000	7.0

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/24/2025 02/24/2025

Client Sample No.: CCAL05 **Date Analyzed:** 03/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070374.D **Time Analyzed:** 20:32

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.916	4.820	5.020	499.910	500.000	0.0
Aroclor-1016-2	4.935	4.839	5.039	503.950	500.000	0.8
Aroclor-1016-3	5.112	5.017	5.217	522.390	500.000	4.5
Aroclor-1016-4	5.155	5.058	5.258	500.390	500.000	0.1
Aroclor-1016-5	5.369	5.273	5.473	532.610	500.000	6.5
Aroclor-1260-1	6.407	6.312	6.512	483.720	500.000	-3.3
Aroclor-1260-2	6.595	6.500	6.700	494.560	500.000	-1.1
Aroclor-1260-3	6.749	6.654	6.854	460.460	500.000	-7.9
Aroclor-1260-4	7.221	7.126	7.326	508.970	500.000	1.8
Aroclor-1260-5	7.463	7.367	7.567	526.760	500.000	5.4
Decachlorobiphenyl	8.882	8.788	8.988	48.760	50.000	-2.5
Tetrachloro-m-xylene	3.828	3.730	3.930	50.130	50.000	0.3

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.:** Q1514

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/20/2025 02/20/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	02/20/2025	16:28	PO109425.D	8.76	3.70
AR1660ICC1000	AR1660ICC1000	02/20/2025	16:46	PO109426.D	8.76	3.70
AR1660ICC750	AR1660ICC750	02/20/2025	17:04	PO109427.D	8.76	3.70
AR1660ICC500	AR1660ICC500	02/20/2025	17:23	PO109428.D	8.76	3.70
AR1660ICC250	AR1660ICC250	02/20/2025	17:41	PO109429.D	8.76	3.70
AR1660ICC050	AR1660ICC050	02/20/2025	17:59	PO109430.D	8.76	3.70
AR1221ICC500	AR1221ICC500	02/20/2025	18:18	PO109431.D	8.76	3.70
AR1232ICC500	AR1232ICC500	02/20/2025	18:36	PO109432.D	8.76	3.70
AR1242ICC1000	AR1242ICC1000	02/20/2025	18:55	PO109433.D	8.76	3.70
AR1242ICC750	AR1242ICC750	02/20/2025	19:13	PO109434.D	8.76	3.70
AR1242ICC500	AR1242ICC500	02/20/2025	19:31	PO109435.D	8.76	3.70
AR1242ICC250	AR1242ICC250	02/20/2025	19:50	PO109436.D	8.76	3.70
AR1242ICC050	AR1242ICC050	02/20/2025	20:08	PO109437.D	8.76	3.70
AR1248ICC1000	AR1248ICC1000	02/20/2025	20:26	PO109438.D	8.76	3.70
AR1248ICC750	AR1248ICC750	02/20/2025	20:45	PO109439.D	8.76	3.70
AR1248ICC500	AR1248ICC500	02/20/2025	21:03	PO109440.D	8.76	3.70
AR1248ICC250	AR1248ICC250	02/20/2025	21:21	PO109441.D	8.76	3.70
AR1248ICC050	AR1248ICC050	02/20/2025	21:40	PO109442.D	8.75	3.70
AR1254ICC1000	AR1254ICC1000	02/20/2025	21:58	PO109443.D	8.75	3.70
AR1254ICC750	AR1254ICC750	02/20/2025	22:17	PO109444.D	8.76	3.70
AR1254ICC500	AR1254ICC500	02/20/2025	22:35	PO109445.D	8.76	3.70
AR1254ICC250	AR1254ICC250	02/20/2025	22:53	PO109446.D	8.76	3.70
AR1254ICC050	AR1254ICC050	02/20/2025	23:12	PO109447.D	8.76	3.70
AR1262ICC500	AR1262ICC500	02/20/2025	23:30	PO109448.D	8.75	3.70
AR1268ICC1000	AR1268ICC1000	02/20/2025	23:48	PO109449.D	8.76	3.70
AR1268ICC750	AR1268ICC750	02/21/2025	00:07	PO109450.D	8.76	3.70
AR1268ICC500	AR1268ICC500	02/21/2025	00:25	PO109451.D	8.75	3.70
AR1268ICC250	AR1268ICC250	02/21/2025	00:43	PO109452.D	8.76	3.70
AR1268ICC050	AR1268ICC050	02/21/2025	01:02	PO109453.D	8.75	3.70
AR1660CCC500	AR1660CCC500	03/07/2025	17:33	PO109723.D	8.75	3.70
I.BLK	I.BLK	03/07/2025	18:45	PO109727.D	8.75	3.70
PB167028BL	PB167028BL	03/07/2025	19:04	PO109728.D	8.75	3.70
PB167028BS	PB167028BS	03/07/2025	19:22	PO109729.D	8.75	3.70
PB167028BSD	PB167028BSD	03/07/2025	19:40	PO109730.D	8.75	3.70
ENV-105-GW01	Q1514-07	03/07/2025	19:59	PO109731.D	8.75	3.70
ENV-103-GW01	Q1514-08	03/07/2025	20:17	PO109732.D	8.75	3.70
FB03062025	Q1514-09	03/07/2025	20:35	PO109733.D	8.75	3.70
AR1660CCC500	AR1660CCC500	03/07/2025	22:17	PO109737.D	8.75	3.70
I.BLK	I.BLK	03/07/2025	23:30	PO109741.D	8.75	3.70
I.BLK	I.BLK	02/24/2025	14:43	PP069995.D	10.25	4.53
AR1660ICC1000	AR1660ICC1000	02/24/2025	14:59	PP069996.D	10.25	4.52
AR1660ICC750	AR1660ICC750	02/24/2025	15:15	PP069997.D	10.26	4.53

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Analytical Sequence

AR1660ICC500	AR1660ICC500	02/24/2025	15:32	PP069998.D	10.26	4.53
AR1660ICC250	AR1660ICC250	02/24/2025	15:48	PP069999.D	10.25	4.52
AR1660ICC050	AR1660ICC050	02/24/2025	16:04	PP070000.D	10.26	4.53
AR1221ICC500	AR1221ICC500	02/24/2025	16:20	PP070001.D	10.25	4.52
AR1232ICC500	AR1232ICC500	02/24/2025	16:37	PP070002.D	10.26	4.53
AR1242ICC1000	AR1242ICC1000	02/24/2025	16:53	PP070003.D	10.26	4.53
AR1242ICC750	AR1242ICC750	02/24/2025	17:09	PP070004.D	10.25	4.52
AR1242ICC500	AR1242ICC500	02/24/2025	17:25	PP070005.D	10.26	4.53
AR1242ICC250	AR1242ICC250	02/24/2025	17:42	PP070006.D	10.25	4.53
AR1242ICC050	AR1242ICC050	02/24/2025	17:58	PP070007.D	10.26	4.53
AR1248ICC1000	AR1248ICC1000	02/24/2025	18:14	PP070008.D	10.26	4.53
AR1248ICC750	AR1248ICC750	02/24/2025	18:30	PP070009.D	10.26	4.53
AR1248ICC500	AR1248ICC500	02/24/2025	18:46	PP070010.D	10.26	4.53
AR1248ICC250	AR1248ICC250	02/24/2025	19:03	PP070011.D	10.26	4.53
AR1248ICC050	AR1248ICC050	02/24/2025	19:19	PP070012.D	10.25	4.52
AR1254ICC1000	AR1254ICC1000	02/24/2025	19:35	PP070013.D	10.26	4.53
AR1254ICC750	AR1254ICC750	02/24/2025	19:51	PP070014.D	10.25	4.52
AR1254ICC500	AR1254ICC500	02/24/2025	20:08	PP070015.D	10.26	4.53
AR1254ICC250	AR1254ICC250	02/24/2025	20:24	PP070016.D	10.26	4.53
AR1254ICC050	AR1254ICC050	02/24/2025	20:40	PP070017.D	10.26	4.52
AR1262ICC500	AR1262ICC500	02/24/2025	20:56	PP070018.D	10.25	4.53
AR1268ICC1000	AR1268ICC1000	02/24/2025	21:12	PP070019.D	10.25	4.52
AR1268ICC750	AR1268ICC750	02/24/2025	21:29	PP070020.D	10.25	4.53
AR1268ICC500	AR1268ICC500	02/24/2025	21:45	PP070021.D	10.26	4.53
AR1268ICC250	AR1268ICC250	02/24/2025	22:01	PP070022.D	10.25	4.52
AR1268ICC050	AR1268ICC050	02/24/2025	22:17	PP070023.D	10.26	4.53
AR1660CCC500	AR1660CCC500	03/07/2025	10:58	PP070344.D	10.25	4.53
I.BLK	I.BLK	03/07/2025	12:03	PP070348.D	10.25	4.53
PB167029BL	PB167029BL	03/07/2025	13:41	PP070354.D	10.25	4.53
PB167029BS	PB167029BS	03/07/2025	13:57	PP070355.D	10.25	4.52
AR1660CCC500	AR1660CCC500	03/07/2025	15:45	PP070359.D	10.25	4.53
I.BLK	I.BLK	03/07/2025	16:50	PP070363.D	10.25	4.52
RBR251372MS	Q1508-01MS	03/07/2025	18:11	PP070368.D	10.25	4.52
RBR251372MSD	Q1508-01MSD	03/07/2025	18:27	PP070369.D	10.26	4.53
ENV-105-SB01	Q1514-01	03/07/2025	18:44	PP070370.D	10.26	4.53
ENV-105-SB02	Q1514-03	03/07/2025	19:00	PP070371.D	10.25	4.52
ENV-103-SB01	Q1514-05	03/07/2025	19:16	PP070372.D	10.26	4.53
AR1660CCC500	AR1660CCC500	03/07/2025	20:32	PP070374.D	10.25	4.53
I.BLK	I.BLK	03/07/2025	21:37	PP070378.D	10.25	4.53

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/20/2025 02/20/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	02/20/2025	16:28	PO109425.D	8.71	3.69
AR1660ICC1000	AR1660ICC1000	02/20/2025	16:46	PO109426.D	8.71	3.69
AR1660ICC750	AR1660ICC750	02/20/2025	17:04	PO109427.D	8.71	3.69
AR1660ICC500	AR1660ICC500	02/20/2025	17:23	PO109428.D	8.71	3.69
AR1660ICC250	AR1660ICC250	02/20/2025	17:41	PO109429.D	8.71	3.69
AR1660ICC050	AR1660ICC050	02/20/2025	17:59	PO109430.D	8.71	3.69
AR1221ICC500	AR1221ICC500	02/20/2025	18:18	PO109431.D	8.71	3.69
AR1232ICC500	AR1232ICC500	02/20/2025	18:36	PO109432.D	8.71	3.69
AR1242ICC1000	AR1242ICC1000	02/20/2025	18:55	PO109433.D	8.71	3.69
AR1242ICC750	AR1242ICC750	02/20/2025	19:13	PO109434.D	8.71	3.69
AR1242ICC500	AR1242ICC500	02/20/2025	19:31	PO109435.D	8.71	3.69
AR1242ICC250	AR1242ICC250	02/20/2025	19:50	PO109436.D	8.71	3.69
AR1242ICC050	AR1242ICC050	02/20/2025	20:08	PO109437.D	8.71	3.69
AR1248ICC1000	AR1248ICC1000	02/20/2025	20:26	PO109438.D	8.71	3.69
AR1248ICC750	AR1248ICC750	02/20/2025	20:45	PO109439.D	8.71	3.69
AR1248ICC500	AR1248ICC500	02/20/2025	21:03	PO109440.D	8.71	3.69
AR1248ICC250	AR1248ICC250	02/20/2025	21:21	PO109441.D	8.71	3.69
AR1248ICC050	AR1248ICC050	02/20/2025	21:40	PO109442.D	8.71	3.69
AR1254ICC1000	AR1254ICC1000	02/20/2025	21:58	PO109443.D	8.71	3.69
AR1254ICC750	AR1254ICC750	02/20/2025	22:17	PO109444.D	8.71	3.69
AR1254ICC500	AR1254ICC500	02/20/2025	22:35	PO109445.D	8.71	3.69
AR1254ICC250	AR1254ICC250	02/20/2025	22:53	PO109446.D	8.71	3.69
AR1254ICC050	AR1254ICC050	02/20/2025	23:12	PO109447.D	8.71	3.69
AR1262ICC500	AR1262ICC500	02/20/2025	23:30	PO109448.D	8.71	3.69
AR1268ICC1000	AR1268ICC1000	02/20/2025	23:48	PO109449.D	8.71	3.69
AR1268ICC750	AR1268ICC750	02/21/2025	00:07	PO109450.D	8.71	3.69
AR1268ICC500	AR1268ICC500	02/21/2025	00:25	PO109451.D	8.71	3.69
AR1268ICC250	AR1268ICC250	02/21/2025	00:43	PO109452.D	8.71	3.69
AR1268ICC050	AR1268ICC050	02/21/2025	01:02	PO109453.D	8.70	3.69
AR1660CCC500	AR1660CCC500	03/07/2025	17:33	PO109723.D	8.71	3.69
I.BLK	I.BLK	03/07/2025	18:45	PO109727.D	8.70	3.69
PB167028BL	PB167028BL	03/07/2025	19:04	PO109728.D	8.71	3.69
PB167028BS	PB167028BS	03/07/2025	19:22	PO109729.D	8.70	3.69
PB167028BSD	PB167028BSD	03/07/2025	19:40	PO109730.D	8.71	3.69
ENV-105-GW01	Q1514-07	03/07/2025	19:59	PO109731.D	8.71	3.69
ENV-103-GW01	Q1514-08	03/07/2025	20:17	PO109732.D	8.70	3.69
FB03062025	Q1514-09	03/07/2025	20:35	PO109733.D	8.70	3.69
AR1660CCC500	AR1660CCC500	03/07/2025	22:17	PO109737.D	8.71	3.69
I.BLK	I.BLK	03/07/2025	23:30	PO109741.D	8.71	3.69
I.BLK	I.BLK	02/24/2025	14:43	PP069995.D	8.89	3.83
AR1660ICC1000	AR1660ICC1000	02/24/2025	14:59	PP069996.D	8.89	3.83
AR1660ICC750	AR1660ICC750	02/24/2025	15:15	PP069997.D	8.89	3.83

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Analytical Sequence

AR1660ICC500	AR1660ICC500	02/24/2025	15:32	PP069998.D	8.89	3.83
AR1660ICC250	AR1660ICC250	02/24/2025	15:48	PP069999.D	8.89	3.83
AR1660ICC050	AR1660ICC050	02/24/2025	16:04	PP070000.D	8.89	3.83
AR1221ICC500	AR1221ICC500	02/24/2025	16:20	PP070001.D	8.89	3.83
AR1232ICC500	AR1232ICC500	02/24/2025	16:37	PP070002.D	8.89	3.83
AR1242ICC1000	AR1242ICC1000	02/24/2025	16:53	PP070003.D	8.89	3.83
AR1242ICC750	AR1242ICC750	02/24/2025	17:09	PP070004.D	8.89	3.83
AR1242ICC500	AR1242ICC500	02/24/2025	17:25	PP070005.D	8.89	3.83
AR1242ICC250	AR1242ICC250	02/24/2025	17:42	PP070006.D	8.89	3.83
AR1242ICC050	AR1242ICC050	02/24/2025	17:58	PP070007.D	8.89	3.83
AR1248ICC1000	AR1248ICC1000	02/24/2025	18:14	PP070008.D	8.89	3.83
AR1248ICC750	AR1248ICC750	02/24/2025	18:30	PP070009.D	8.89	3.83
AR1248ICC500	AR1248ICC500	02/24/2025	18:46	PP070010.D	8.89	3.83
AR1248ICC250	AR1248ICC250	02/24/2025	19:03	PP070011.D	8.89	3.83
AR1248ICC050	AR1248ICC050	02/24/2025	19:19	PP070012.D	8.89	3.83
AR1254ICC1000	AR1254ICC1000	02/24/2025	19:35	PP070013.D	8.89	3.83
AR1254ICC750	AR1254ICC750	02/24/2025	19:51	PP070014.D	8.89	3.83
AR1254ICC500	AR1254ICC500	02/24/2025	20:08	PP070015.D	8.89	3.83
AR1254ICC250	AR1254ICC250	02/24/2025	20:24	PP070016.D	8.89	3.83
AR1254ICC050	AR1254ICC050	02/24/2025	20:40	PP070017.D	8.89	3.83
AR1262ICC500	AR1262ICC500	02/24/2025	20:56	PP070018.D	8.89	3.83
AR1268ICC1000	AR1268ICC1000	02/24/2025	21:12	PP070019.D	8.89	3.83
AR1268ICC750	AR1268ICC750	02/24/2025	21:29	PP070020.D	8.89	3.83
AR1268ICC500	AR1268ICC500	02/24/2025	21:45	PP070021.D	8.89	3.83
AR1268ICC250	AR1268ICC250	02/24/2025	22:01	PP070022.D	8.89	3.83
AR1268ICC050	AR1268ICC050	02/24/2025	22:17	PP070023.D	8.89	3.83
AR1660CCC500	AR1660CCC500	03/07/2025	10:58	PP070344.D	8.88	3.83
I.BLK	I.BLK	03/07/2025	12:03	PP070348.D	8.88	3.83
PB167029BL	PB167029BL	03/07/2025	13:41	PP070354.D	8.88	3.83
PB167029BS	PB167029BS	03/07/2025	13:57	PP070355.D	8.88	3.83
AR1660CCC500	AR1660CCC500	03/07/2025	15:45	PP070359.D	8.88	3.83
I.BLK	I.BLK	03/07/2025	16:50	PP070363.D	8.88	3.83
RBR251372MS	Q1508-01MS	03/07/2025	18:11	PP070368.D	8.88	3.83
RBR251372MSD	Q1508-01MSD	03/07/2025	18:27	PP070369.D	8.88	3.83
ENV-105-SB01	Q1514-01	03/07/2025	18:44	PP070370.D	8.88	3.83
ENV-105-SB02	Q1514-03	03/07/2025	19:00	PP070371.D	8.88	3.83
ENV-103-SB01	Q1514-05	03/07/2025	19:16	PP070372.D	8.88	3.83
AR1660CCC500	AR1660CCC500	03/07/2025	20:32	PP070374.D	8.88	3.83
I.BLK	I.BLK	03/07/2025	21:37	PP070378.D	8.88	3.83

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB167028BS

Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab Sample ID: PB167028BS Date(s) Analyzed: 03/07/2025 03/07/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109729.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.789	4.739	4.839	4.74		
	2	4.809	4.759	4.859	4.78		
	3	4.865	4.815	4.915	4.71		
COLUMN 1	4	4.986	4.936	5.036	4.73		
	5	5.243	5.193	5.293	4.52	4.70	
	1	4.776	4.726	4.826	4.95		
	2	4.795	4.745	4.845	5.04		
	3	4.971	4.921	5.021	4.97		
	4	5.012	4.962	5.062	4.72		
COLUMN 2	5	5.226	5.176	5.276	4.68	4.90	4.17
Aroclor-1260	1	6.285	6.235	6.335	4.73		
	2	6.474	6.424	6.524	4.63		
	3	6.843	6.793	6.893	3.82		
COLUMN 1	4	7.103	7.053	7.153	3.87		
	5	7.345	7.295	7.395	4.12	4.20	
	1	6.26	6.21	6.31	4.93		
	2	6.447	6.397	6.497	4.95		
	3	6.6	6.55	6.65	4.93		
	4	7.072	7.022	7.122	4.14		
COLUMN 2	5	7.312	7.262	7.362	4.25	4.60	9.09

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB167028BSD

Contract: PORT06
Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514
Lab Sample ID: PB167028BSD Date(s) Analyzed: 03/07/2025 03/07/2025
Instrument ID (1): ECD_O Instrument ID (2): ECD_O
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PO109730.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	4.789	4.739	4.839	4.76		
	2	4.809	4.759	4.859	4.78		
	3	4.865	4.815	4.915	4.74		
COLUMN 1	4	4.985	4.935	5.035	4.75		
	5	5.242	5.192	5.292	4.50	4.70	
	1	4.776	4.726	4.826	4.94		
	2	4.796	4.746	4.846	5.05		
	3	4.971	4.921	5.021	5.00		
	4	5.013	4.963	5.063	4.78		
COLUMN 2	5	5.226	5.176	5.276	4.66	4.90	4.17
Aroclor-1260	1	6.284	6.234	6.334	4.74		
	2	6.473	6.423	6.523	4.65		
	3	6.841	6.791	6.891	3.87		
COLUMN 1	4	7.103	7.053	7.153	3.87		
	5	7.344	7.294	7.394	4.03	4.20	
	1	6.259	6.209	6.309	4.91		
	2	6.447	6.397	6.497	4.91		
	3	6.6	6.55	6.65	4.92		
	4	7.072	7.022	7.122	4.15		
COLUMN 2	5	7.312	7.262	7.362	4.24	4.60	9.09

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB167029BS

Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab Sample ID: PB167029BS Date(s) Analyzed: 03/07/2025 03/07/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070355.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.677	5.627	5.727	147		
	2	5.699	5.649	5.749	153		
	3	5.761	5.711	5.811	146		
COLUMN 1	4	5.859	5.809	5.909	144		
	5	6.152	6.102	6.202	150	148	
	1	4.918	4.868	4.968	154		
	2	4.937	4.887	4.987	155		
	3	5.114	5.064	5.164	160		
	4	5.155	5.105	5.205	155		
COLUMN 2	5	5.371	5.321	5.421	155	156	5.26
Aroclor-1260	1	7.271	7.221	7.321	155		
	2	7.525	7.475	7.575	150		
	3	7.883	7.833	7.933	133		
COLUMN 1	4	8.108	8.058	8.158	145		
	5	8.429	8.379	8.479	138	144	
	1	6.408	6.358	6.458	151		
	2	6.596	6.546	6.646	153		
	3	6.75	6.7	6.8	145		
	4	7.222	7.172	7.272	140		
COLUMN 2	5	7.463	7.413	7.513	149	147	2.06

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

RBR251372MS

Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab Sample ID: Q1508-01MS Date(s) Analyzed: 03/07/2025 03/07/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070368.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.678	5.628	5.728	99.3		
	2	5.7	5.65	5.75	118		
	3	5.761	5.711	5.811	149		
COLUMN 1	4	5.858	5.808	5.908	142		
	5	6.152	6.102	6.202	102	122	
	1	4.919	4.869	4.969	108		
	2	4.938	4.888	4.988	136		
	3	5.115	5.065	5.165	114		
	4	5.158	5.108	5.208	208		
COLUMN 2	5	5.372	5.322	5.422	195	152	21.9
Aroclor-1254	1	6.527	6.477	6.577	154		
	2	6.744	6.694	6.794	126		
	3	7.107	7.057	7.157	114		
COLUMN 1	4	7.39	7.34	7.44	117		
	5	7.804	7.754	7.854	285	159	
	1	5.726	5.676	5.776	139		
	2	5.875	5.825	5.925	133		
	3	6.279	6.229	6.329	100		
	4	6.507	6.457	6.557	90.2		
COLUMN 2	5	6.925	6.875	6.975	197	132	18.56

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Fax : 908 789 8922

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.272	7.222	7.322	183		
	2	7.525	7.475	7.575	192		
	3	7.883	7.833	7.933	178		
COLUMN 1	4	8.106	8.056	8.156	234		
	5	8.428	8.378	8.478	162	190	
	1	6.41	6.36	6.46	156		
	2	6.598	6.548	6.648	149		
	3	6.75	6.7	6.8	141		
	4	7.223	7.173	7.273	144		
COLUMN 2	5	7.463	7.413	7.513	148	148	24.85

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

RBR251372MSD

Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab Sample ID: Q1508-01MSD Date(s) Analyzed: 03/07/2025 03/07/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070369.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.681	5.631	5.731	103		
	2	5.704	5.654	5.754	120		
	3	5.765	5.715	5.815	151		
COLUMN 1	4	5.861	5.811	5.911	145		
	5	6.155	6.105	6.205	108	125	
	1	4.918	4.868	4.968	116		
	2	4.937	4.887	4.987	129		
	3	5.114	5.064	5.164	128		
	4	5.156	5.106	5.206	211		
COLUMN 2	5	5.371	5.321	5.421	197	156	22.06
Aroclor-1254	1	6.53	6.48	6.58	156		
	2	6.748	6.698	6.798	133		
	3	7.11	7.06	7.16	119		
COLUMN 1	4	7.394	7.344	7.444	123		
	5	7.809	7.759	7.859	333	173	
	1	5.725	5.675	5.775	142		
	2	5.873	5.823	5.923	133		
	3	6.278	6.228	6.328	96.0		
	4	6.506	6.456	6.556	91.6		
COLUMN 2	5	6.923	6.873	6.973	203	133	26.14

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.275	7.225	7.325	194		
	2	7.529	7.479	7.579	200		
	3	7.886	7.836	7.936	187		
COLUMN 1	4	8.11	8.06	8.16	246		
	5	8.432	8.382	8.482	160	197	
	1	6.409	6.359	6.459	164		
	2	6.596	6.546	6.646	155		
	3	6.749	6.699	6.799	149		
	4	7.222	7.172	7.272	158		
COLUMN 2	5	7.462	7.412	7.512	168	159	21.35

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
ENV-103-SB01

Contract: PORT06
Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514
Lab Sample ID: Q1514-05 Date(s) Analyzed: 03/07/2025 03/07/2025
Instrument ID (1): ECD_P Instrument ID (2): ECD_P
GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)
Data file PP070372.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1254	1	6.528	6.478	6.578	16.2		
	2	6.746	6.696	6.796	16.3		
	3	7.109	7.059	7.159	16.2		
COLUMN 1	4	7.392	7.342	7.442	13.0		
	5	7.809	7.759	7.859	27.0	17.7	
	1	5.723	5.673	5.773	17.7		
	2	5.871	5.821	5.921	18.3		
	3	6.276	6.226	6.326	23.1		
	4	6.504	6.454	6.554	14.9		
COLUMN 2	5	6.922	6.872	6.972	20.4	18.9	6.56
Aroclor-1260	1	7.274	7.224	7.324	11.9		
	2	7.526	7.476	7.576	15.1		
	3	7.885	7.835	7.935	7.99		
COLUMN 1	4	8.096	8.046	8.146	15.7		
	5	8.432	8.382	8.482	7.09	11.6	
	1	6.407	6.357	6.457	20.9		
	2	6.594	6.544	6.644	11.1		
	3	6.749	6.699	6.799	13.5		
	4	7.221	7.171	7.271	8.14		
COLUMN 2	5	7.462	7.412	7.512	9.06	12.5	7.47

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 18:44
Operator : YP\AJ
Sample : Q1514-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ENV-105-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:19:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.525	3.828	25815941	18212359	17.590	19.050
2)	SA Decachlor...	10.256	8.884	12923564	11663320	11.346	10.758
	Target Compounds						

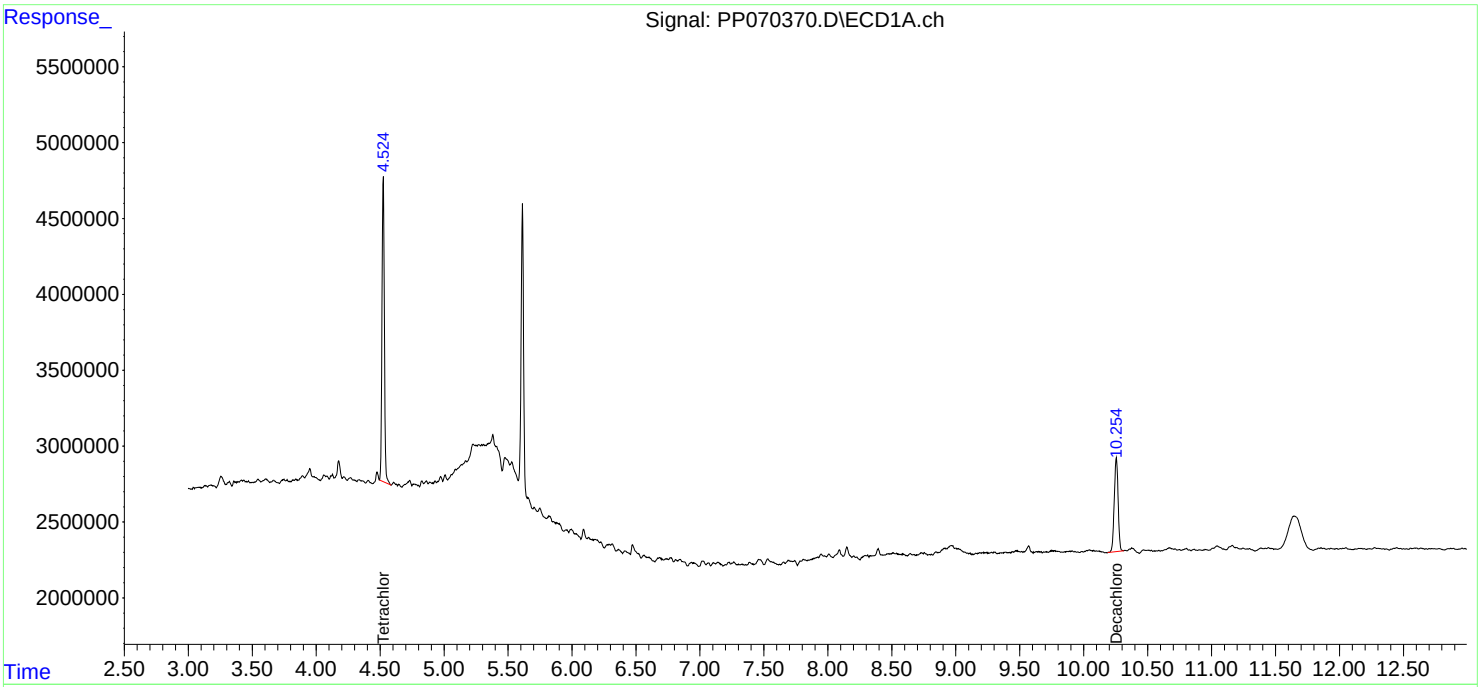
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

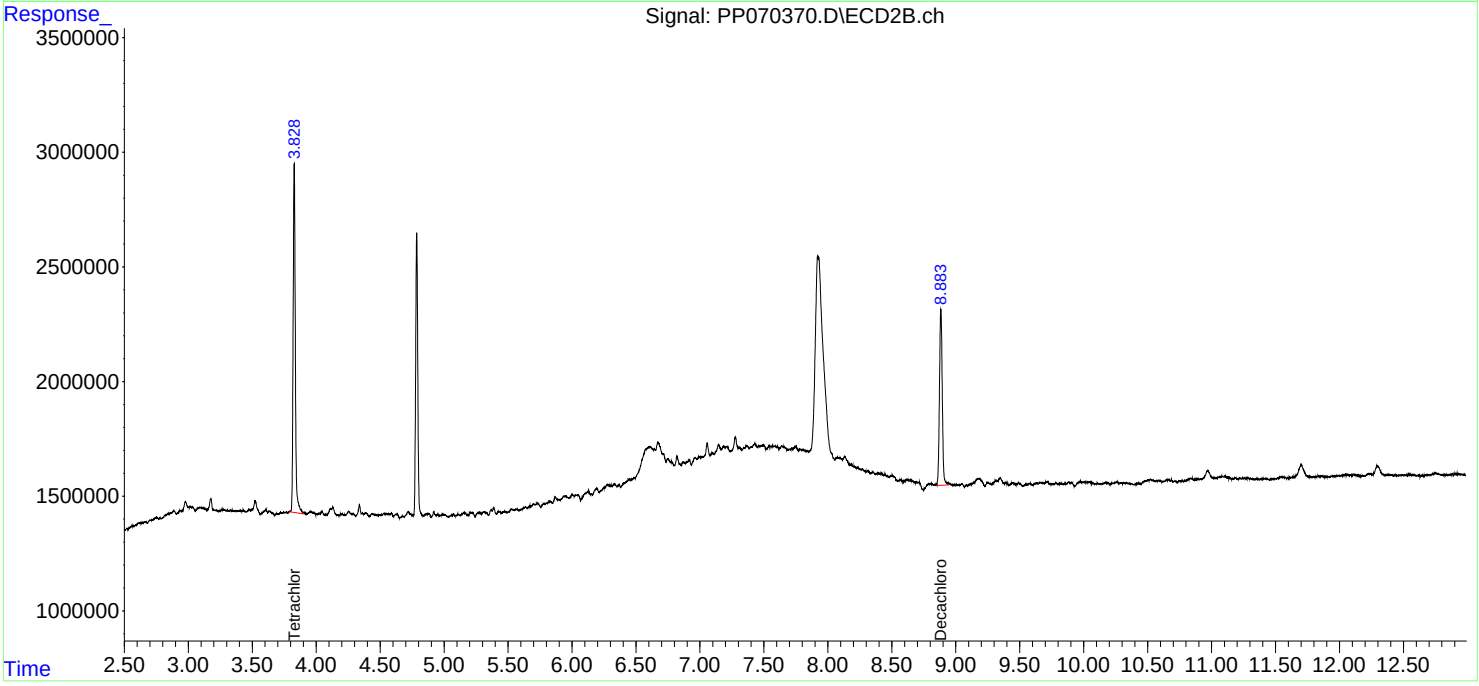
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 18:44
Operator : YP\AJ
Sample : Q1514-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

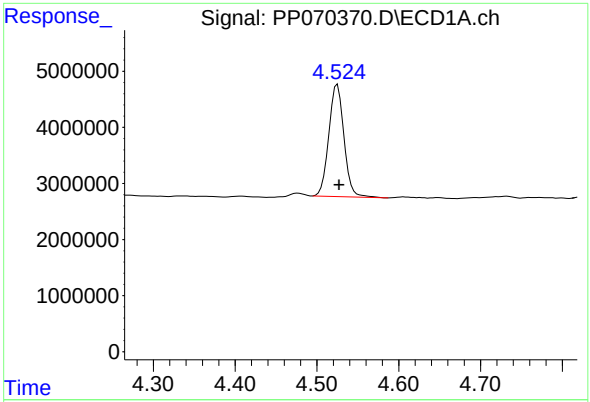
Instrument :
ECD_P
ClientSampleId :
ENV-105-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:19:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



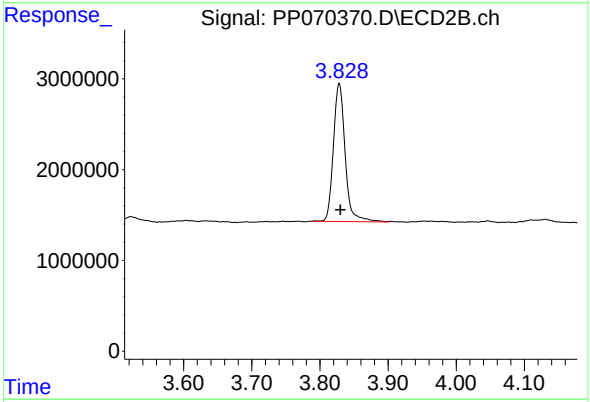




#1 Tetrachloro-m-xylene

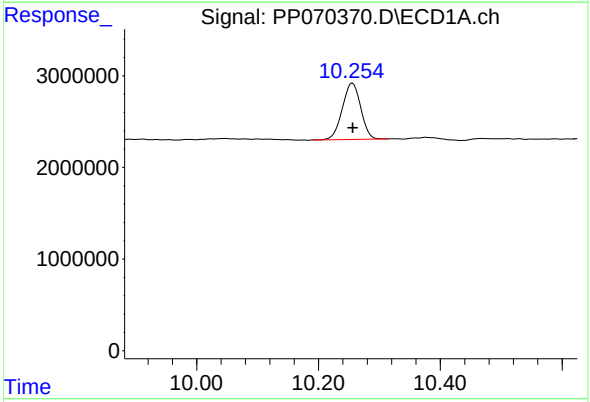
R.T.: 4.525 min
Delta R.T.: -0.002 min
Response: 25815941
Conc: 17.59 ng/ml

Instrument :
ECD_P
ClientSampleId :
ENV-105-SB01



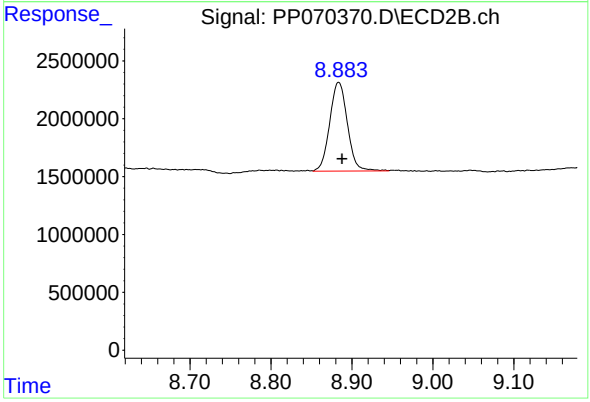
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: -0.002 min
Response: 18212359
Conc: 19.05 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: 0.000 min
Response: 12923564
Conc: 11.35 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.884 min
Delta R.T.: -0.004 min
Response: 11663320
Conc: 10.76 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 19:00
Operator : YP\AJ
Sample : Q1514-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ENV-105-SB02

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:19:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.521	3.827	32770841	23117503	22.329m	24.181
2)	SA Decachlor...	10.252	8.881	14957617	15125577	13.132	13.952
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

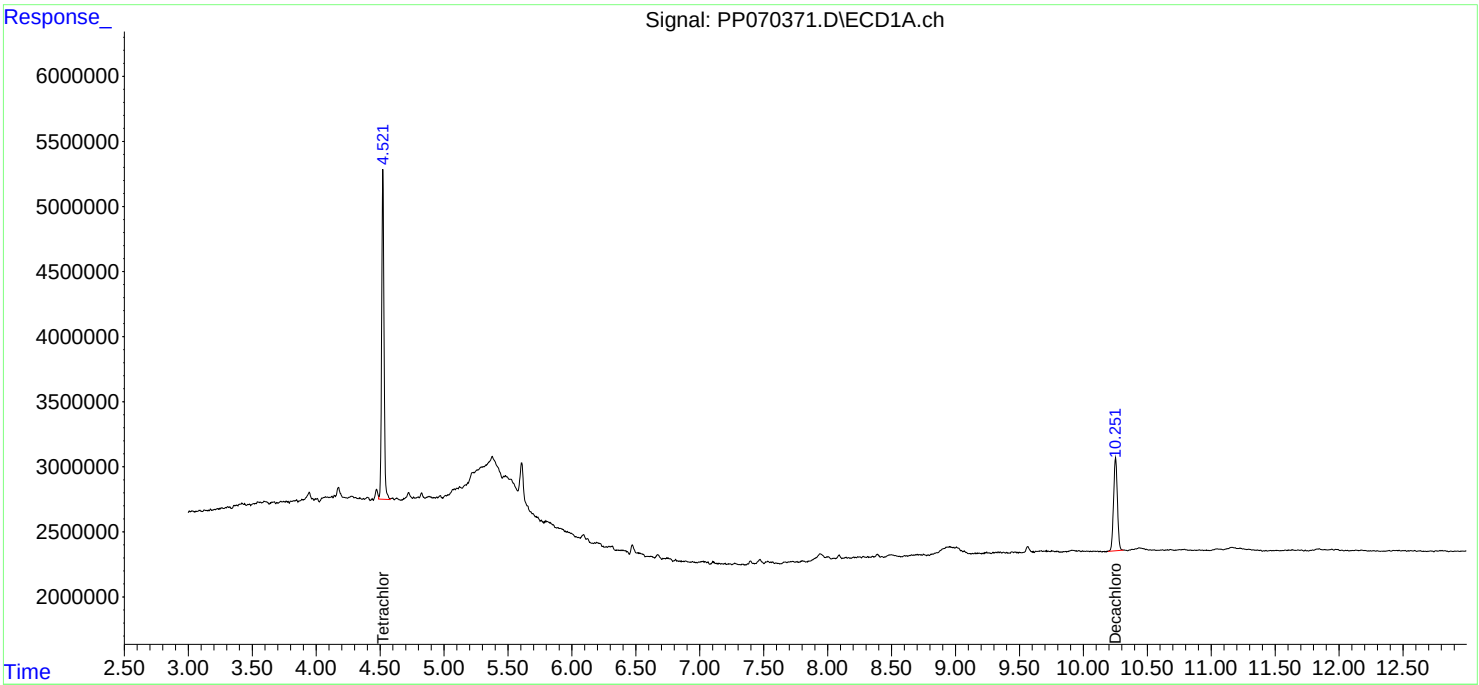
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 19:00
Operator : YP\AJ
Sample : Q1514-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

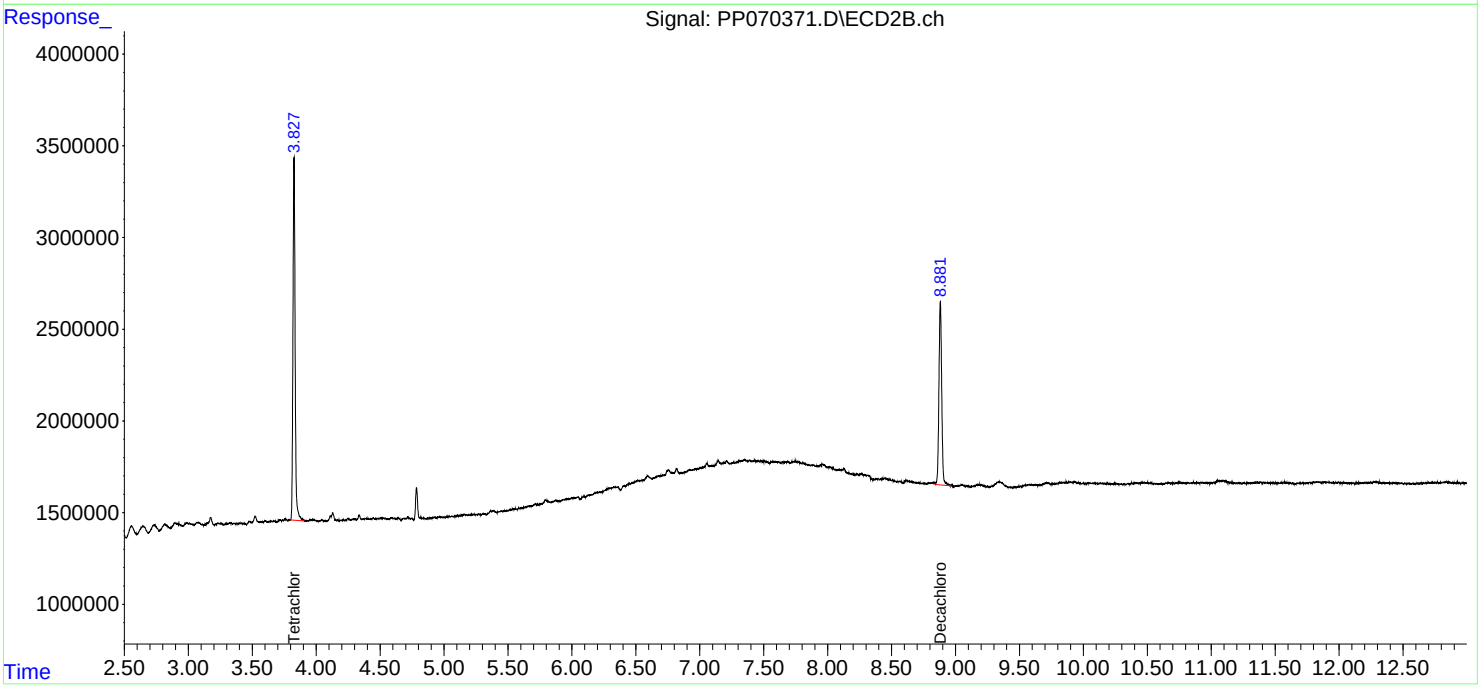
Instrument :
ECD_P
ClientSampleId :
ENV-105-SB02

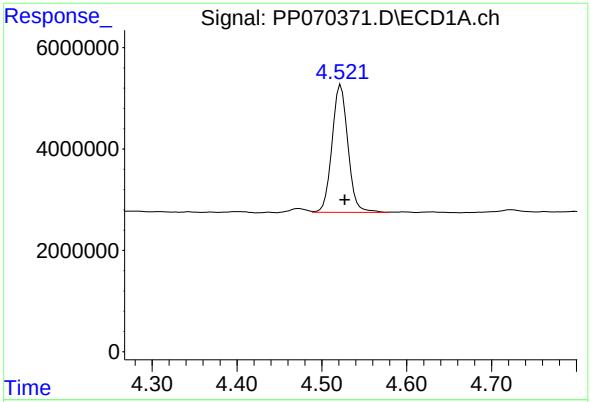
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:19:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







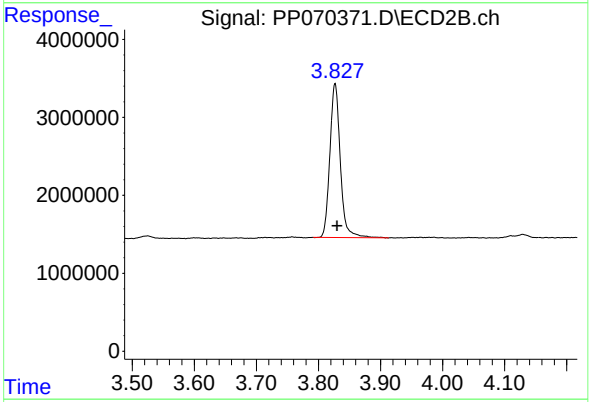
#1 Tetrachloro-m-xylene

R.T.: 4.521 min
Delta R.T.: -0.006 min
Response: 32770841
Conc: 22.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
ENV-105-SB02

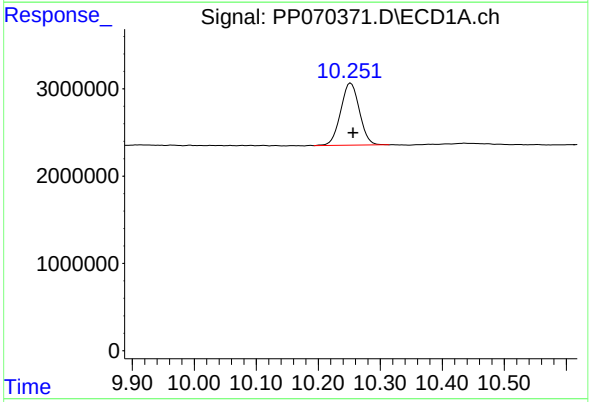
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025



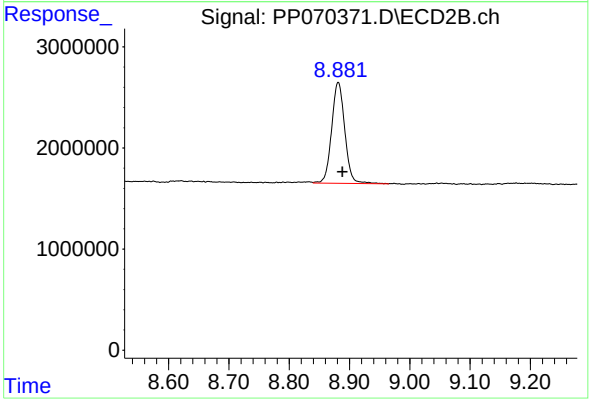
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.003 min
Response: 23117503
Conc: 24.18 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.252 min
Delta R.T.: -0.004 min
Response: 14957617
Conc: 13.13 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.881 min
Delta R.T.: -0.007 min
Response: 15125577
Conc: 13.95 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 19:16
Operator : YP\AJ
Sample : Q1514-05
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
ENV-103-SB01

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:20:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.827	31770104	21773087	21.647	22.774
2)	SA Decachlor...	10.256	8.881	17315685	17625457	15.202	16.258
	Target Compounds						
26)	L6 AR-1254-1	6.528	5.723	2459156	2589343	43.371m	47.450
27)	L6 AR-1254-2	6.746	5.871	3831649	2390379	43.698	49.038
28)	L6 AR-1254-3	7.109	6.276	3857605	4693995	43.282	61.913 #
29)	L6 AR-1254-4	7.392	6.504	2584716	2053091	34.689	39.897m
30)	L6 AR-1254-5	7.809	6.922	4849863	3693285	72.211	54.659
31)	L7 AR-1260-1	7.274	6.407	1863633	2777249	31.933	56.062 #
32)	L7 AR-1260-2	7.526	6.594	3295959	1946704	40.330	29.757 #
33)	L7 AR-1260-3	7.885	6.749	1343723	2179067	21.410	36.124 #
34)	L7 AR-1260-4	8.096	7.221	2672486	1065263	42.152m	21.799m#
35)	L7 AR-1260-5	8.432	7.462	2492384	2891262	18.999	24.261m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

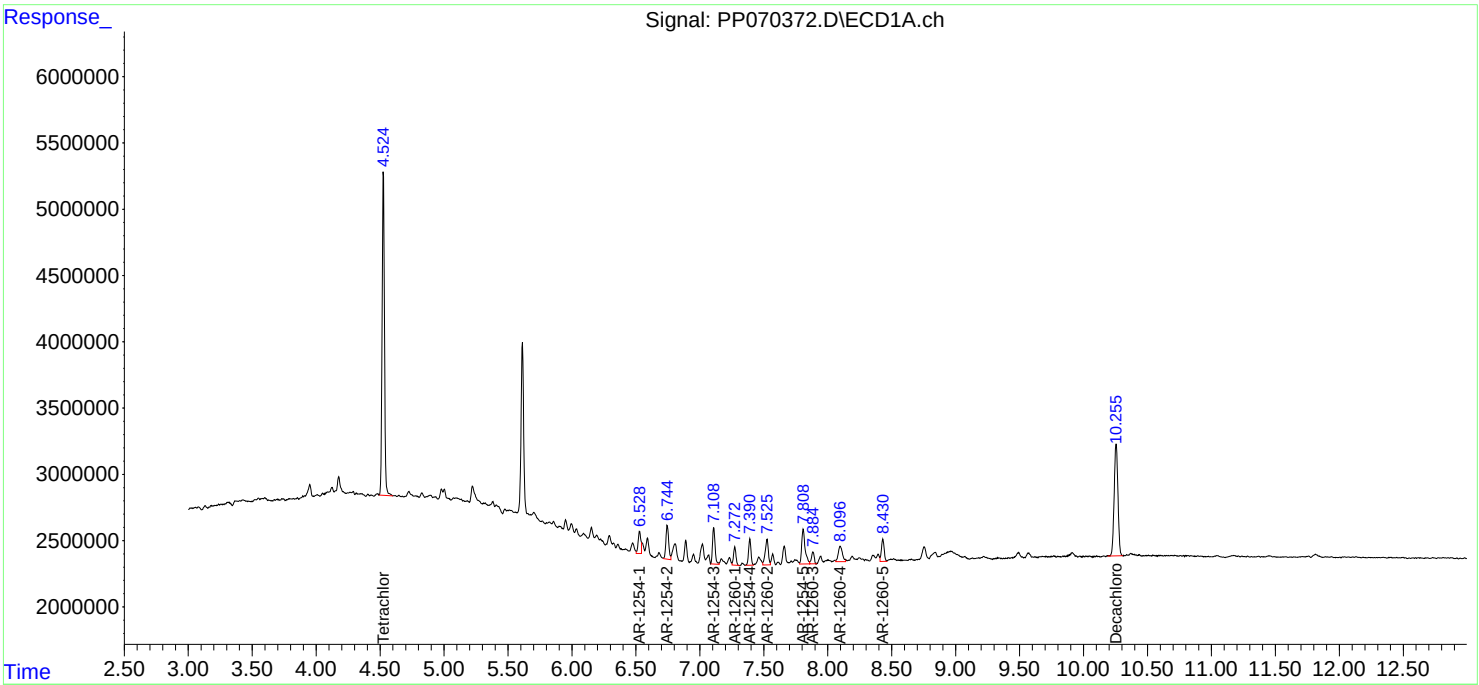
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 19:16
Operator : YP\AJ
Sample : Q1514-05
Misc :
ALS Vial : 29 Sample Multiplier: 1

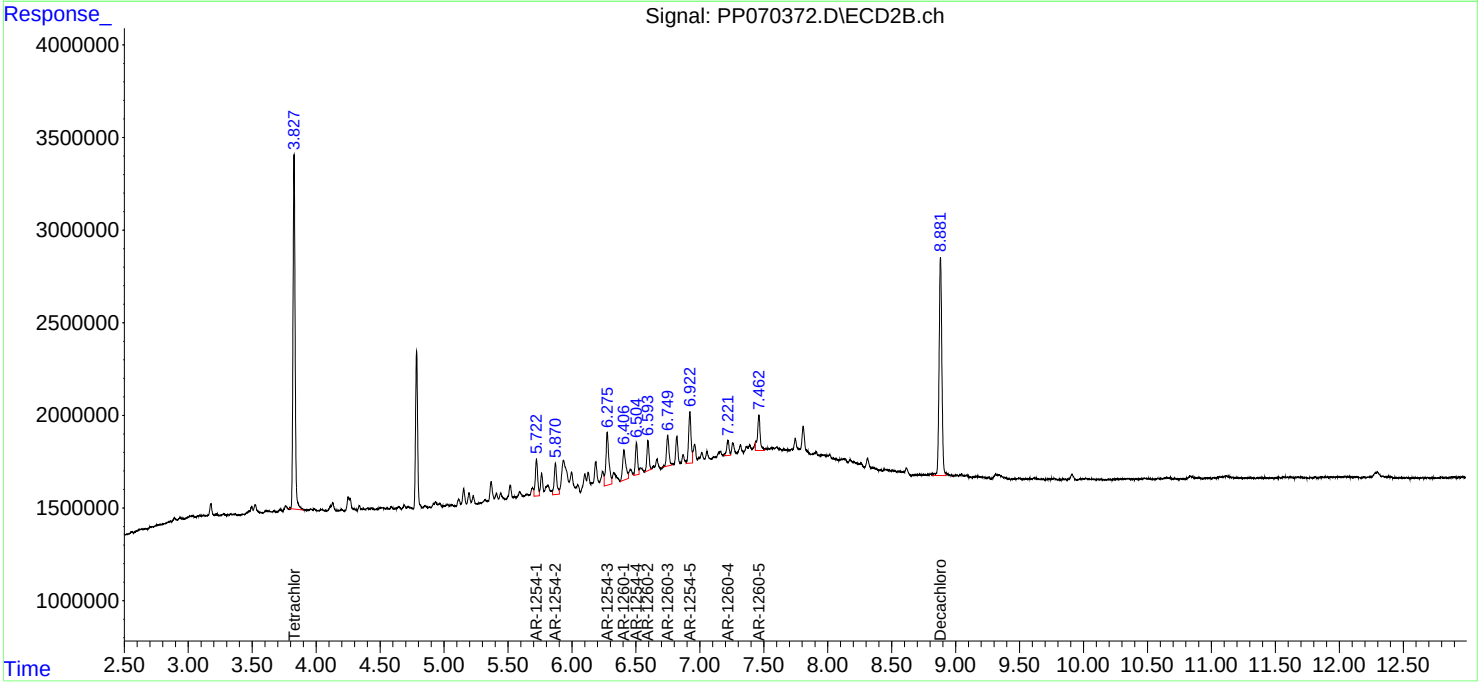
Instrument :
ECD_P
ClientSampleId :
ENV-103-SB01

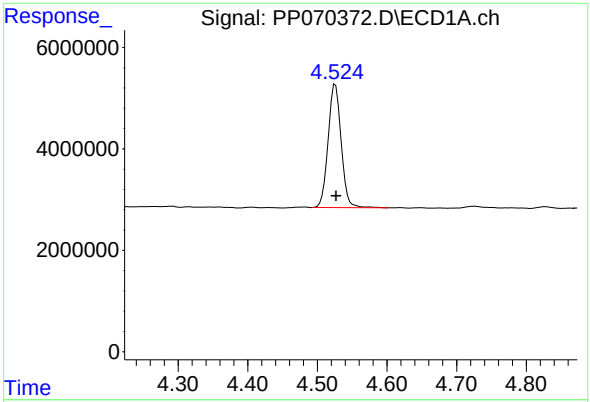
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:20:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







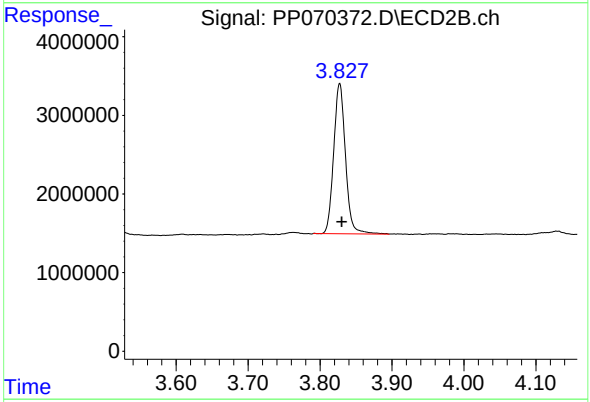
#1 Tetrachloro-m-xylene

R.T.: 4.526 min
Delta R.T.: -0.001 min
Response: 31770104
Conc: 21.65 ng/ml

Instrument :
ECD_P
ClientSampleId :
ENV-103-SB01

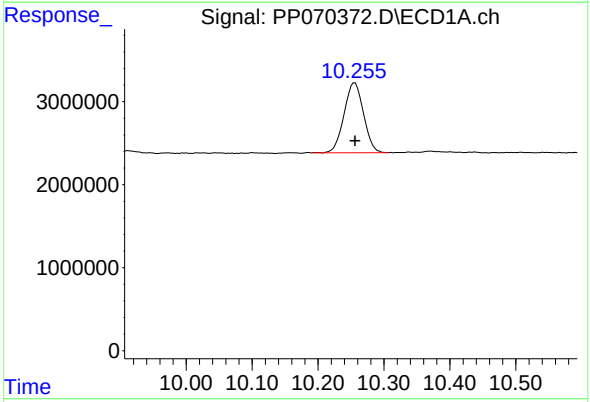
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025



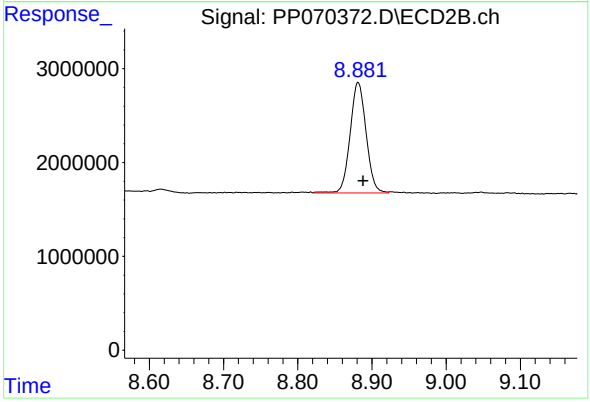
#1 Tetrachloro-m-xylene

R.T.: 3.827 min
Delta R.T.: -0.003 min
Response: 21773087
Conc: 22.77 ng/ml



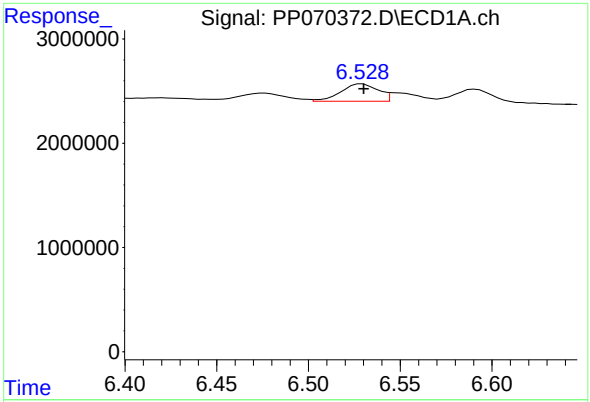
#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: 0.000 min
Response: 17315685
Conc: 15.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.881 min
Delta R.T.: -0.007 min
Response: 17625457
Conc: 16.26 ng/ml



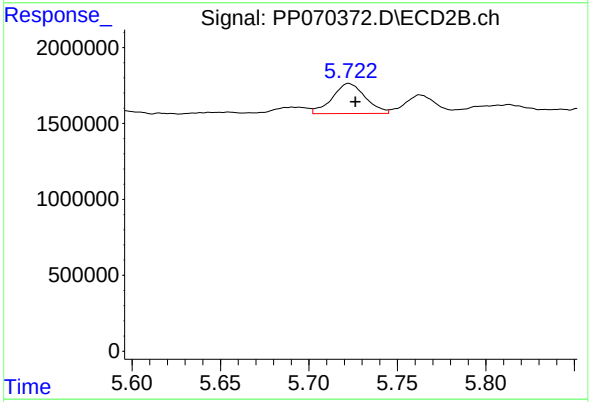
#26 AR-1254-1

R.T.: 6.528 min
Delta R.T.: -0.002 min
Response: 2459156
Conc: 43.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
ENV-103-SB01

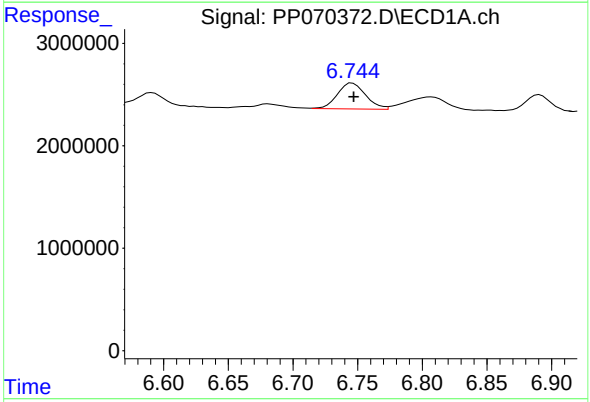
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025



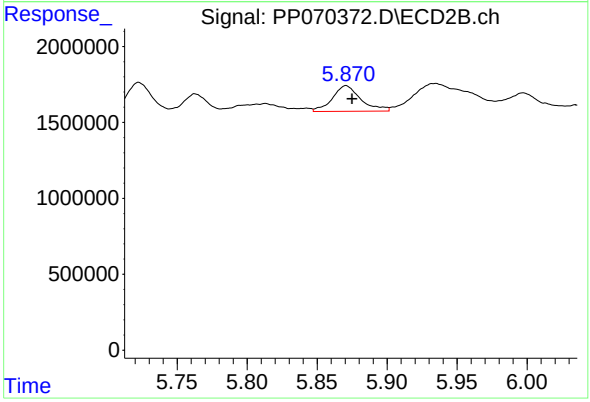
#26 AR-1254-1

R.T.: 5.723 min
Delta R.T.: -0.004 min
Response: 2589343
Conc: 47.45 ng/ml



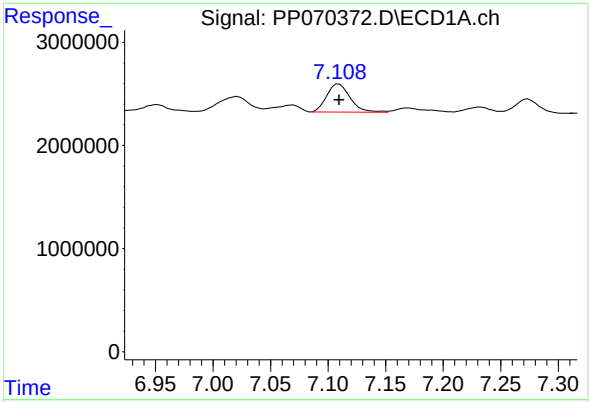
#27 AR-1254-2

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 3831649
Conc: 43.70 ng/ml



#27 AR-1254-2

R.T.: 5.871 min
Delta R.T.: -0.004 min
Response: 2390379
Conc: 49.04 ng/ml



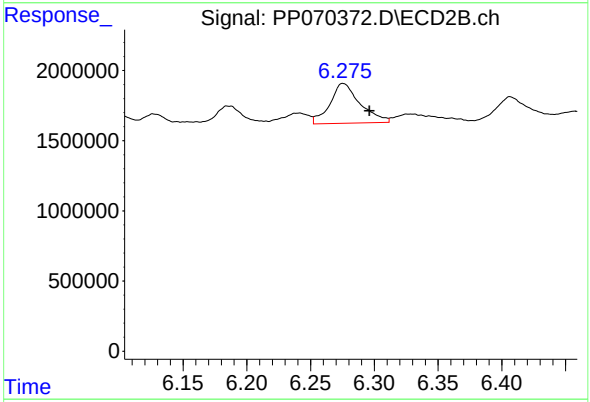
#28 AR-1254-3

R.T.: 7.109 min
Delta R.T.: 0.000 min
Response: 3857605
Conc: 43.28 ng/ml

Instrument :
ECD_P
ClientSampleId :
ENV-103-SB01

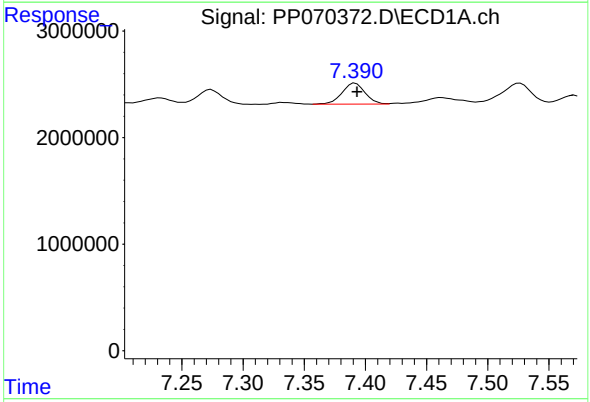
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025



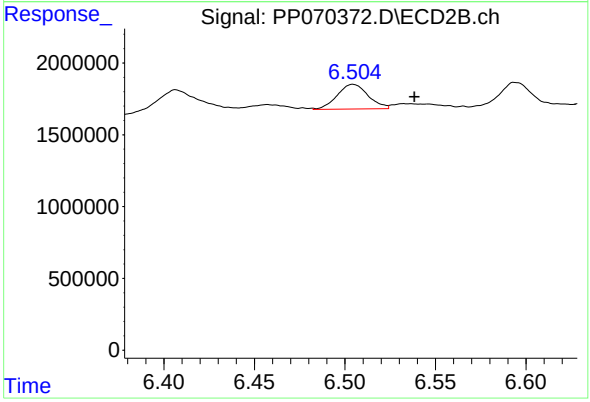
#28 AR-1254-3

R.T.: 6.276 min
Delta R.T.: -0.020 min
Response: 4693995
Conc: 61.91 ng/ml



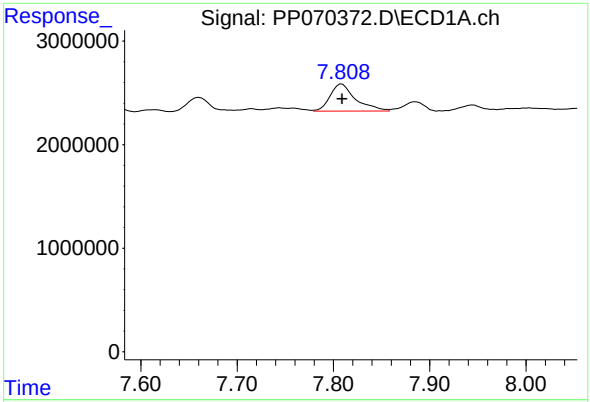
#29 AR-1254-4

R.T.: 7.392 min
Delta R.T.: -0.001 min
Response: 2584716
Conc: 34.69 ng/ml



#29 AR-1254-4

R.T.: 6.504 min
Delta R.T.: -0.034 min
Response: 2053091
Conc: 39.90 ng/ml m



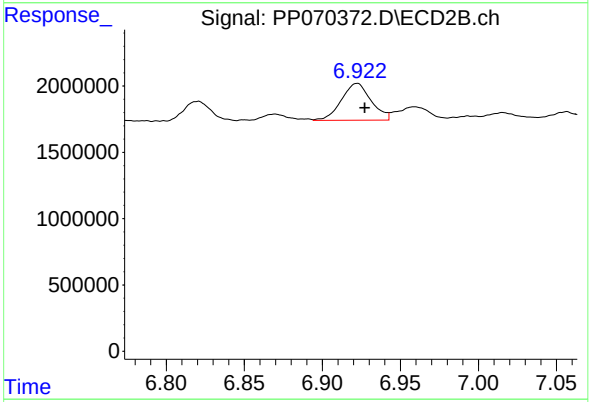
#30 AR-1254-5

R.T.: 7.809 min
Delta R.T.: 0.000 min
Response: 4849863
Conc: 72.21 ng/ml

Instrument :
ECD_P
ClientSampleId :
ENV-103-SB01

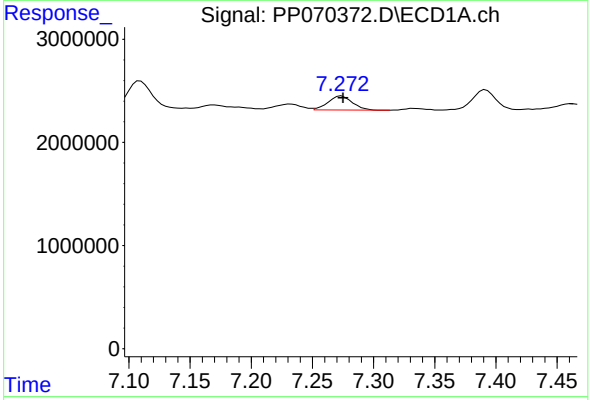
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025



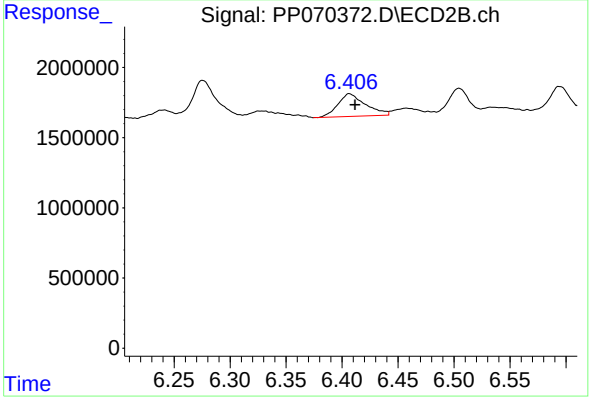
#30 AR-1254-5

R.T.: 6.922 min
Delta R.T.: -0.005 min
Response: 3693285
Conc: 54.66 ng/ml



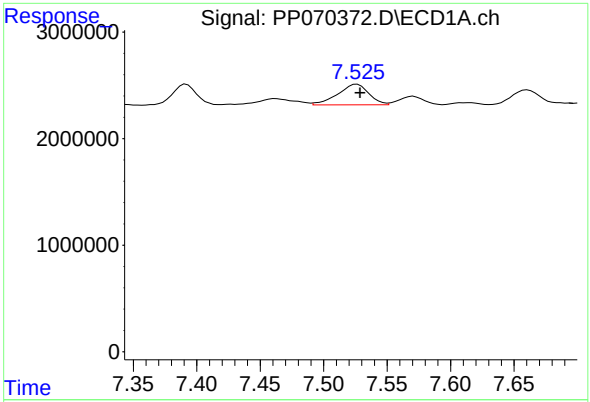
#31 AR-1260-1

R.T.: 7.274 min
Delta R.T.: -0.001 min
Response: 1863633
Conc: 31.93 ng/ml



#31 AR-1260-1

R.T.: 6.407 min
Delta R.T.: -0.005 min
Response: 2777249
Conc: 56.06 ng/ml



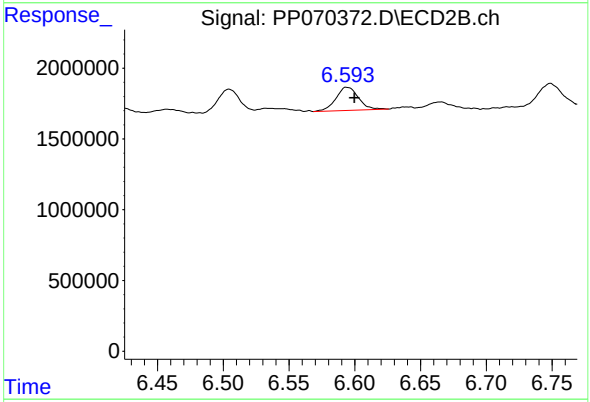
#32 AR-1260-2

R.T.: 7.526 min
Delta R.T.: -0.002 min
Response: 3295959
Conc: 40.33 ng/ml

Instrument :
ECD_P
ClientSampleId :
ENV-103-SB01

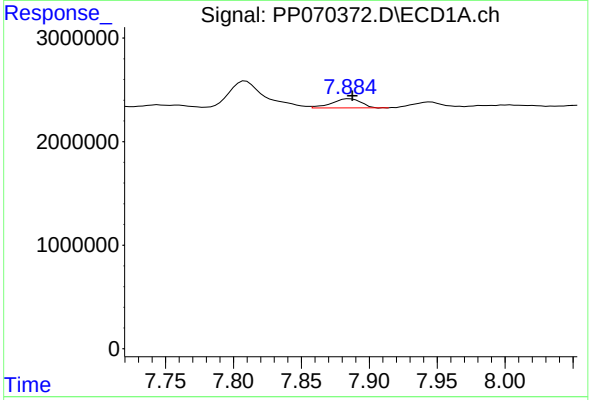
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025



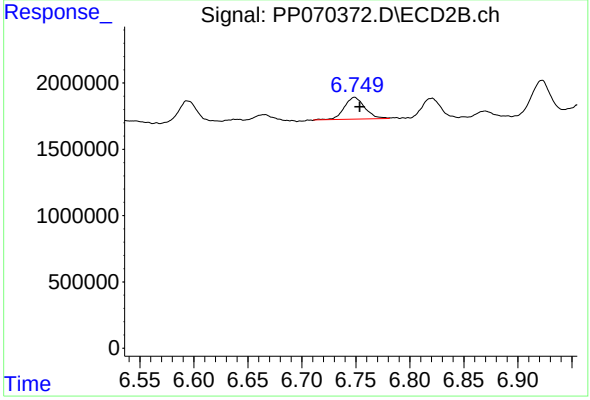
#32 AR-1260-2

R.T.: 6.594 min
Delta R.T.: -0.005 min
Response: 1946704
Conc: 29.76 ng/ml



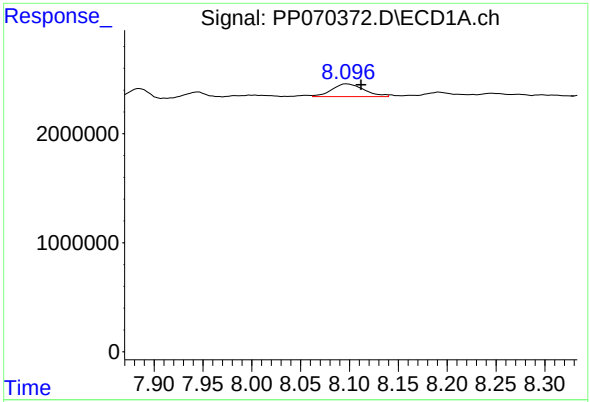
#33 AR-1260-3

R.T.: 7.885 min
Delta R.T.: -0.002 min
Response: 1343723
Conc: 21.41 ng/ml



#33 AR-1260-3

R.T.: 6.749 min
Delta R.T.: -0.005 min
Response: 2179067
Conc: 36.12 ng/ml



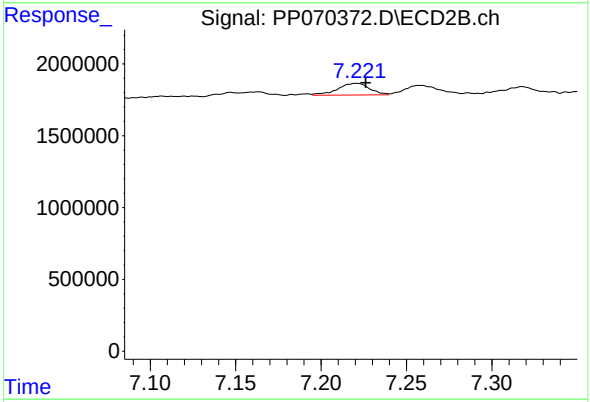
#34 AR-1260-4

R.T.: 8.096 min
Delta R.T.: -0.016 min
Response: 2672486
Conc: 42.15 ng/ml

Instrument :
ECD_P
ClientSampleId :
ENV-103-SB01

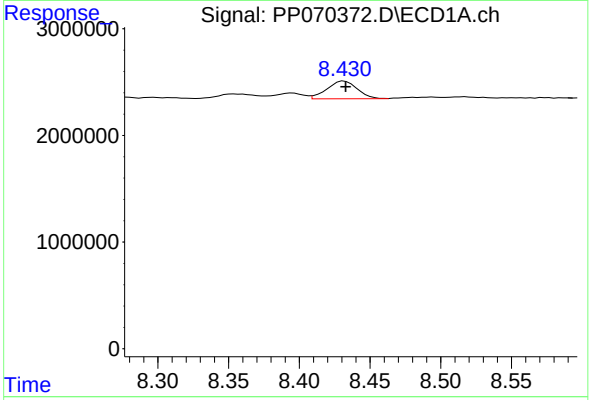
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025



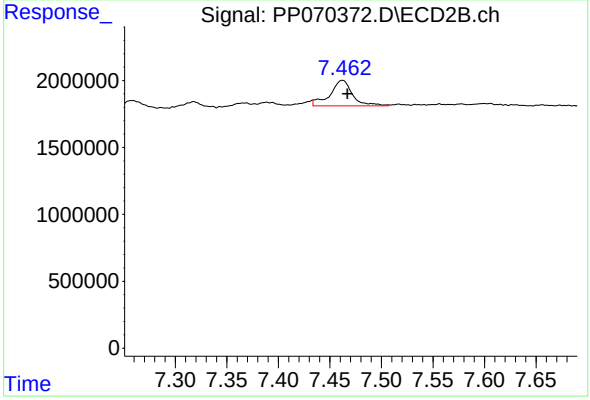
#34 AR-1260-4

R.T.: 7.221 min
Delta R.T.: -0.005 min
Response: 1065263
Conc: 21.80 ng/ml m



#35 AR-1260-5

R.T.: 8.432 min
Delta R.T.: -0.001 min
Response: 2492384
Conc: 19.00 ng/ml



#35 AR-1260-5

R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 2891262
Conc: 24.26 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO030725\
Data File : PO109731.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 19:59
Operator : YP/AJ
Sample : Q1514-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ENV-105-GW01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:06:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.694	224.4E6	124.3E6	23.704	23.741m
2)	SA Decachlor...	8.752	8.705	116.3E6	46845066	13.524	14.711
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

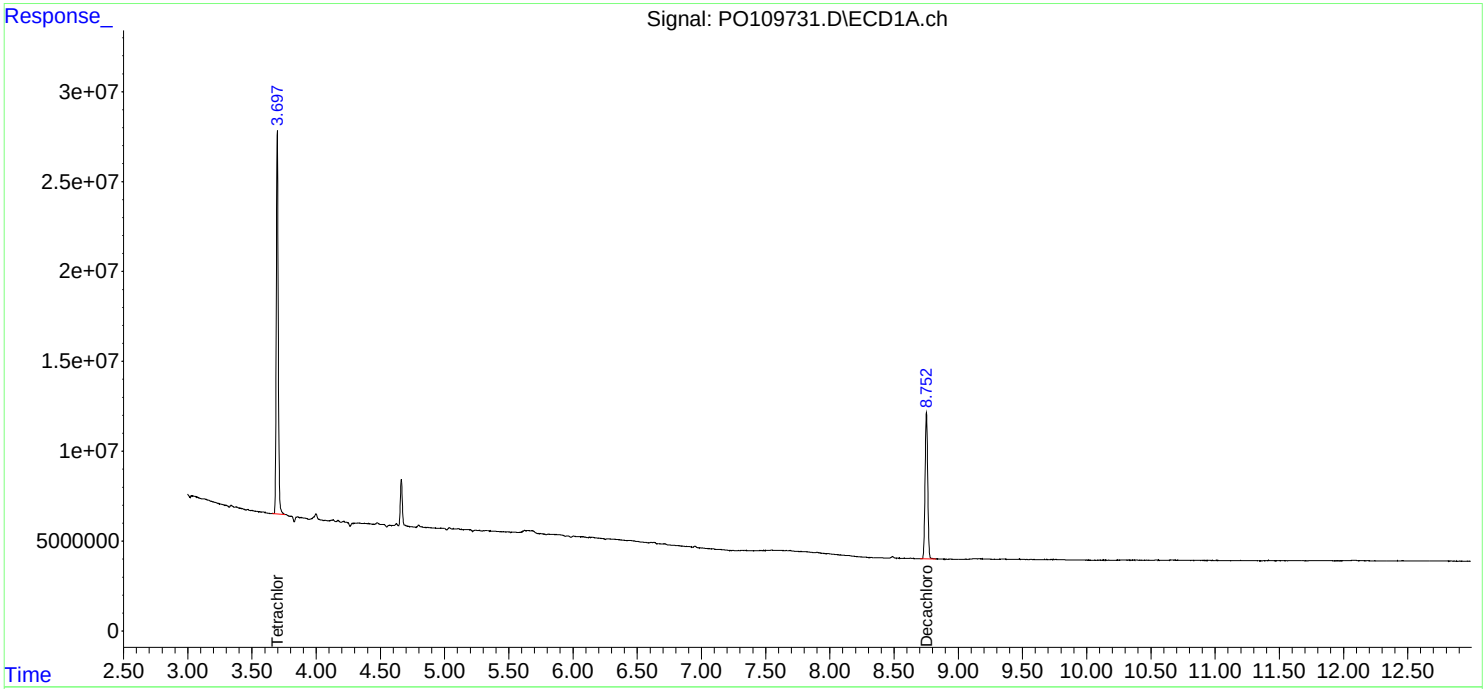
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO030725\
Data File : PO109731.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 19:59
Operator : YP/AJ
Sample : Q1514-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

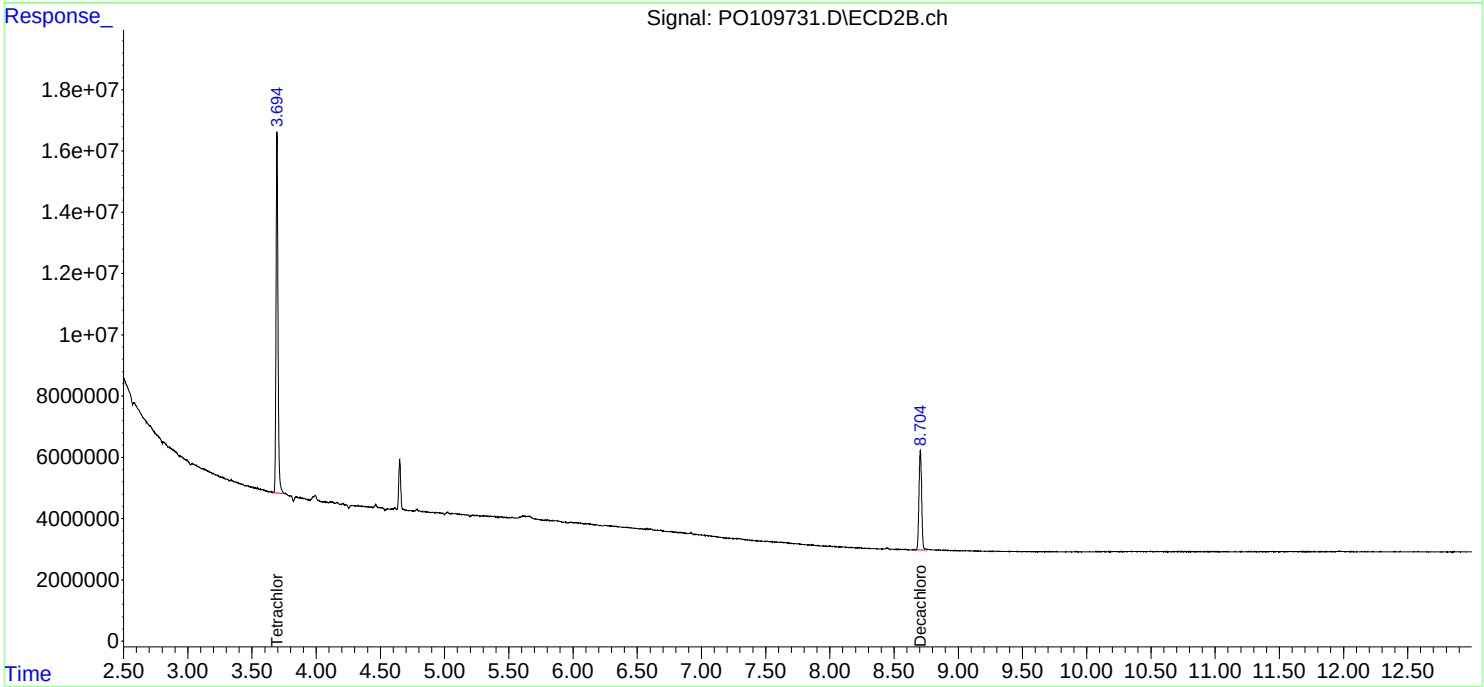
Instrument :
ECD_O
ClientSampleId :
ENV-105-GW01

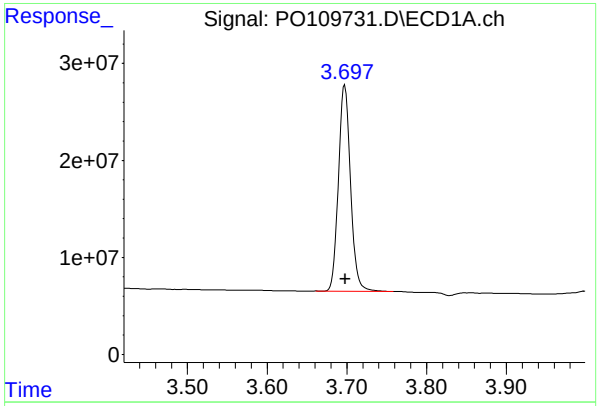
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:06:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







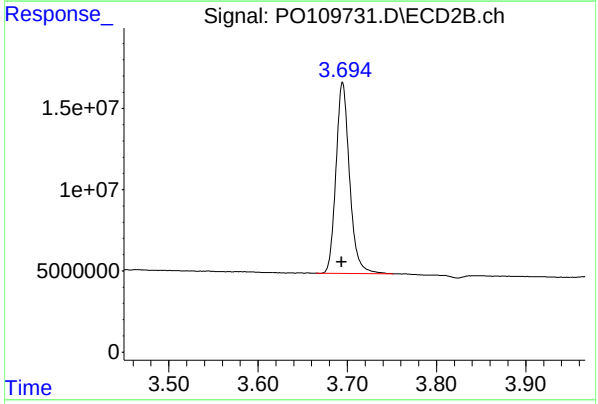
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: 0.000 min
Response: 224362533
Conc: 23.70 ng/ml

Instrument :
ECD_O
ClientSampleId :
ENV-105-GW01

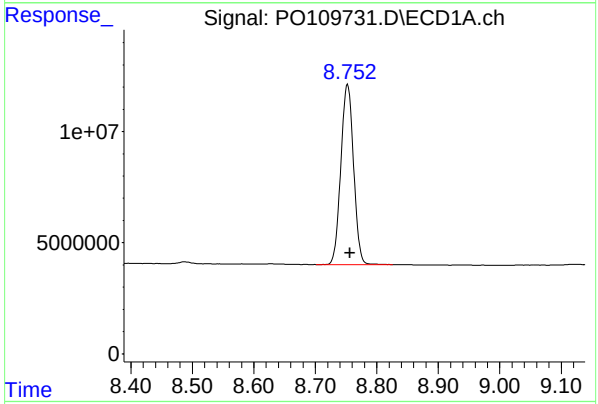
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025



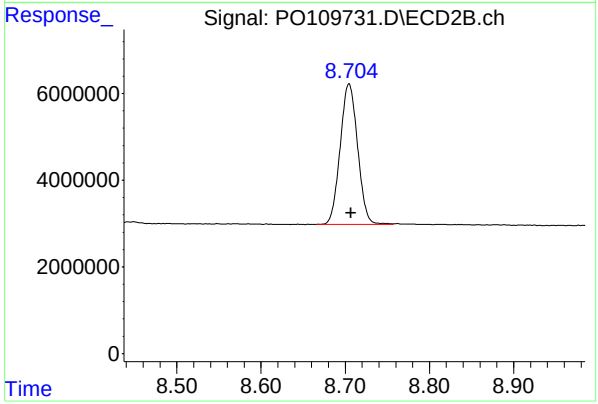
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 124264974
Conc: 23.74 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.752 min
Delta R.T.: -0.004 min
Response: 116334067
Conc: 13.52 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.705 min
Delta R.T.: -0.002 min
Response: 46845066
Conc: 14.71 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO030725\
Data File : PO109732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 20:17
Operator : YP/AJ
Sample : Q1514-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
ENV-103-GW01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:06:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.696	3.694	225.7E6	127.8E6	23.850	24.413
2)	SA Decachlor...	8.753	8.704	120.3E6	49348500	13.985	15.498
	Target Compounds						

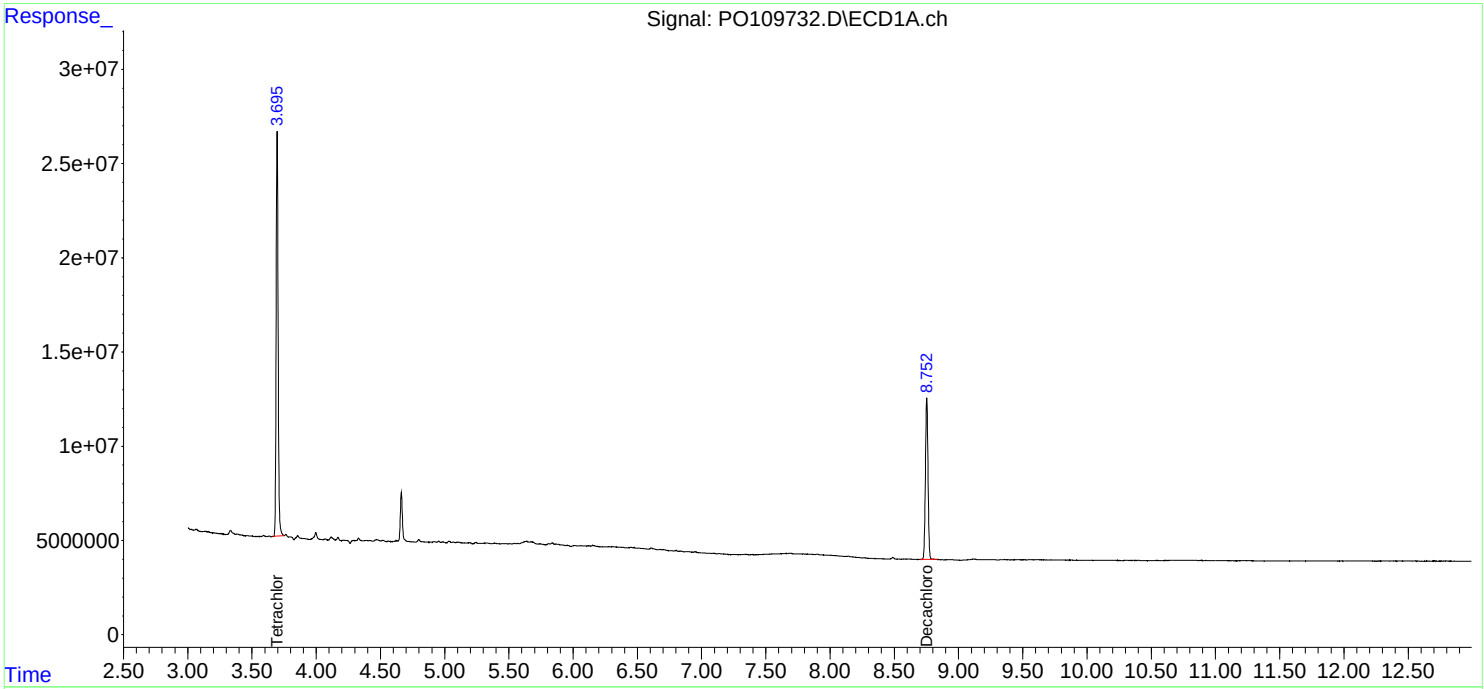
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

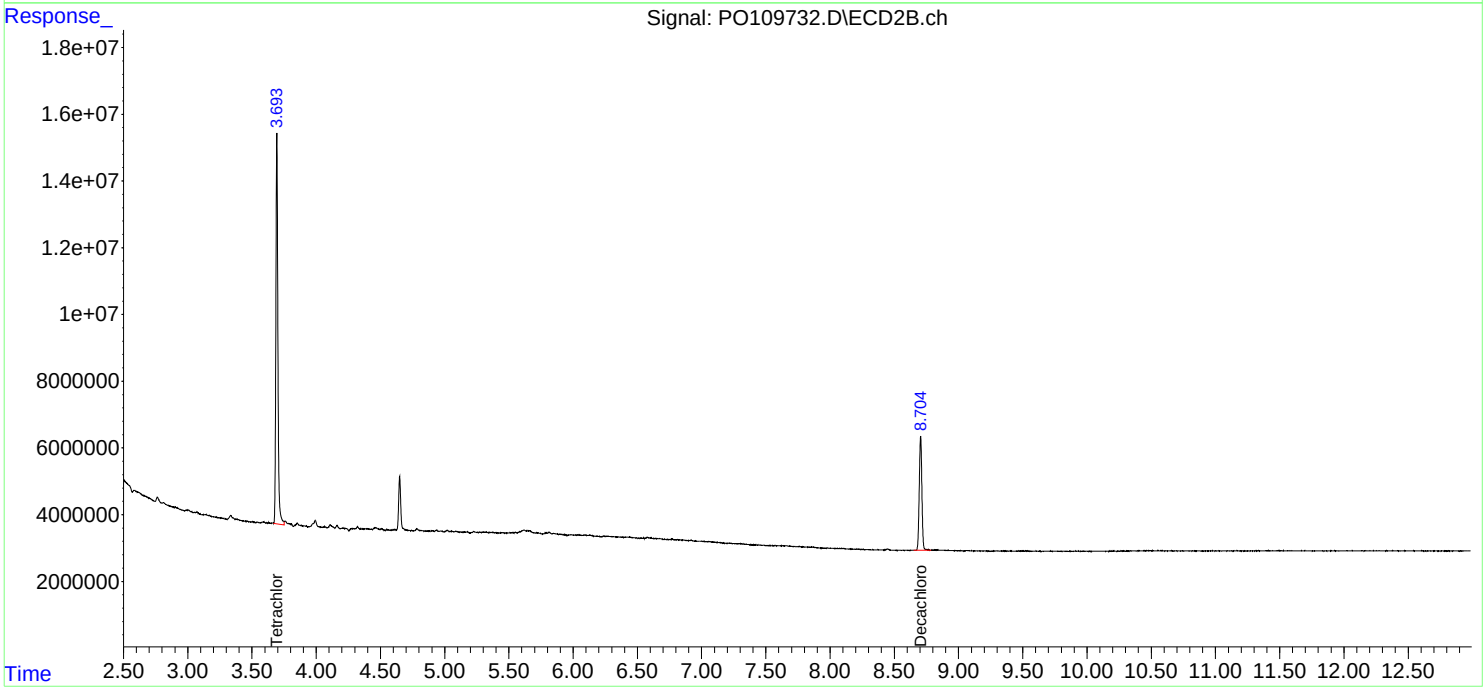
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO030725\
Data File : PO109732.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 20:17
Operator : YP/AJ
Sample : Q1514-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

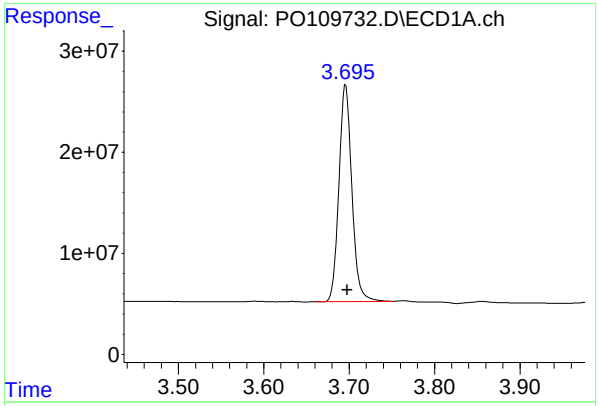
Instrument :
ECD_O
ClientSampleId :
ENV-103-GW01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:06:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



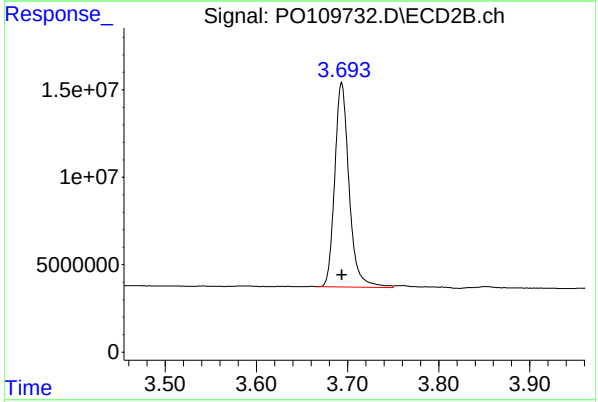




#1 Tetrachloro-m-xylene

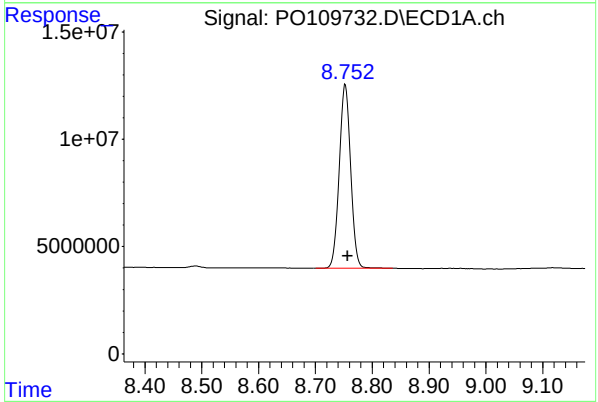
R.T.: 3.696 min
Delta R.T.: -0.002 min
Response: 225738883
Conc: 23.85 ng/ml

Instrument :
ECD_O
ClientSampleId :
ENV-103-GW01



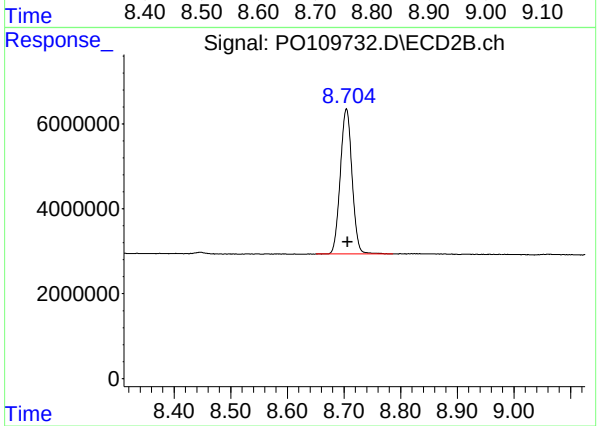
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 127784901
Conc: 24.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.753 min
Delta R.T.: -0.004 min
Response: 120296756
Conc: 13.98 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.704 min
Delta R.T.: -0.003 min
Response: 49348500
Conc: 15.50 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO030725\
Data File : PO109733.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 20:35
Operator : YP/AJ
Sample : Q1514-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
FB03062025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:06:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.697	3.694	217.0E6	121.6E6	22.921	23.233
2)	SA Decachlor...	8.753	8.704	130.9E6	52582654	15.220	16.513
	Target Compounds						

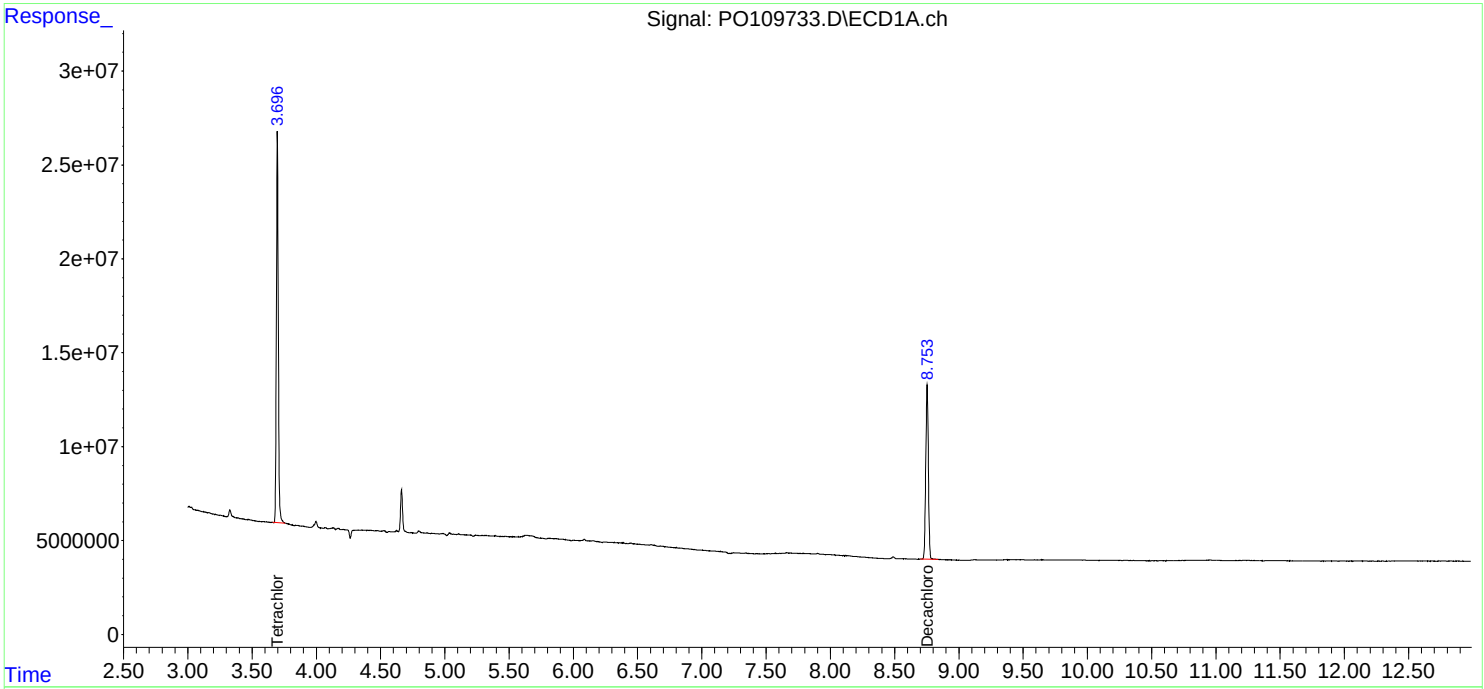
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

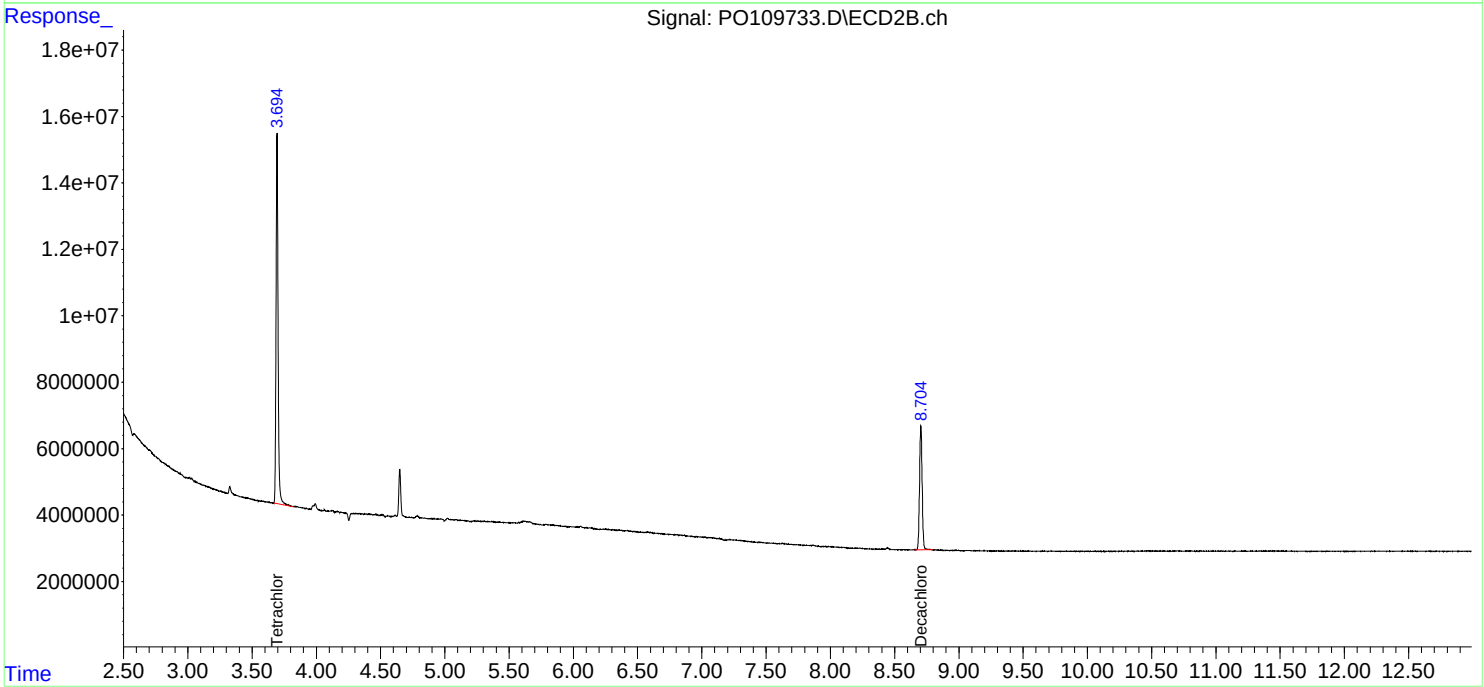
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO030725\
Data File : PO109733.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 20:35
Operator : YP/AJ
Sample : Q1514-09
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
FB03062025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:06:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

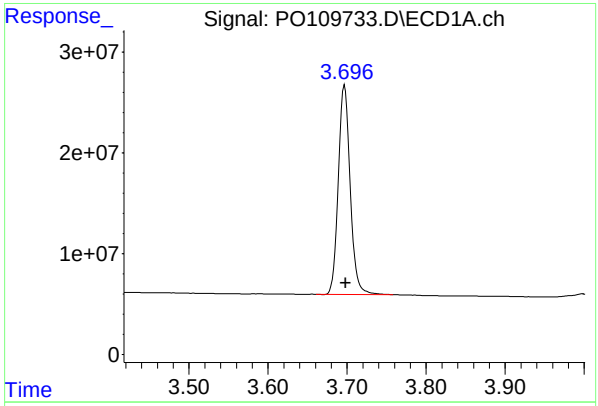
Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





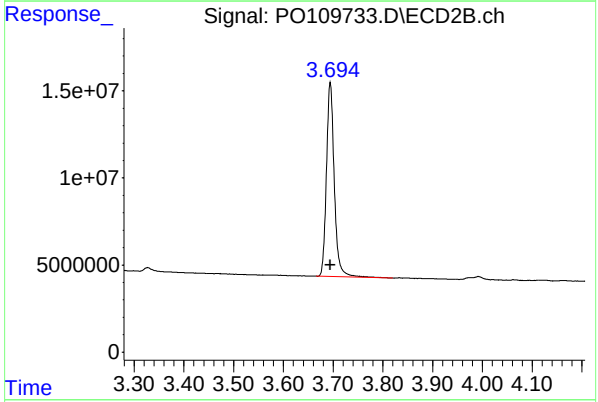
10

Instrument :
ECD_O
ClientSampleId :
FB03062025



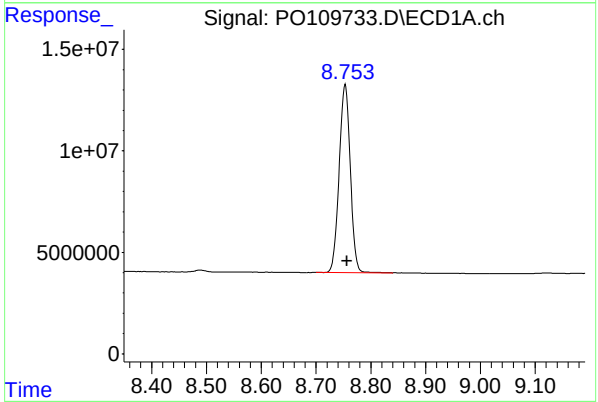
#1 Tetrachloro-m-xylene

R.T.: 3.697 min
Delta R.T.: -0.001 min
Response: 216953429
Conc: 22.92 ng/ml



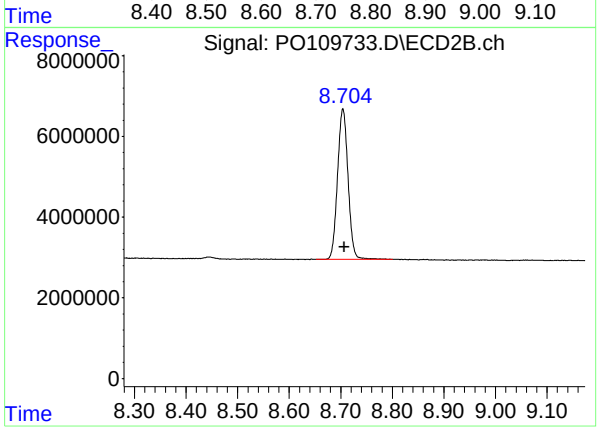
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 121608330
Conc: 23.23 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.753 min
Delta R.T.: -0.003 min
Response: 130921367
Conc: 15.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.704 min
Delta R.T.: -0.003 min
Response: 52582654
Conc: 16.51 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO030725\
Data File : PO109728.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 19:04
Operator : YP/AJ
Sample : PB167028BL
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167028BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:05:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.696	3.694	186.6E6	105.4E6	19.719	20.143
2)	SA Decachlor...	8.753	8.705	144.8E6	58766376	16.833	18.455
	Target Compounds						

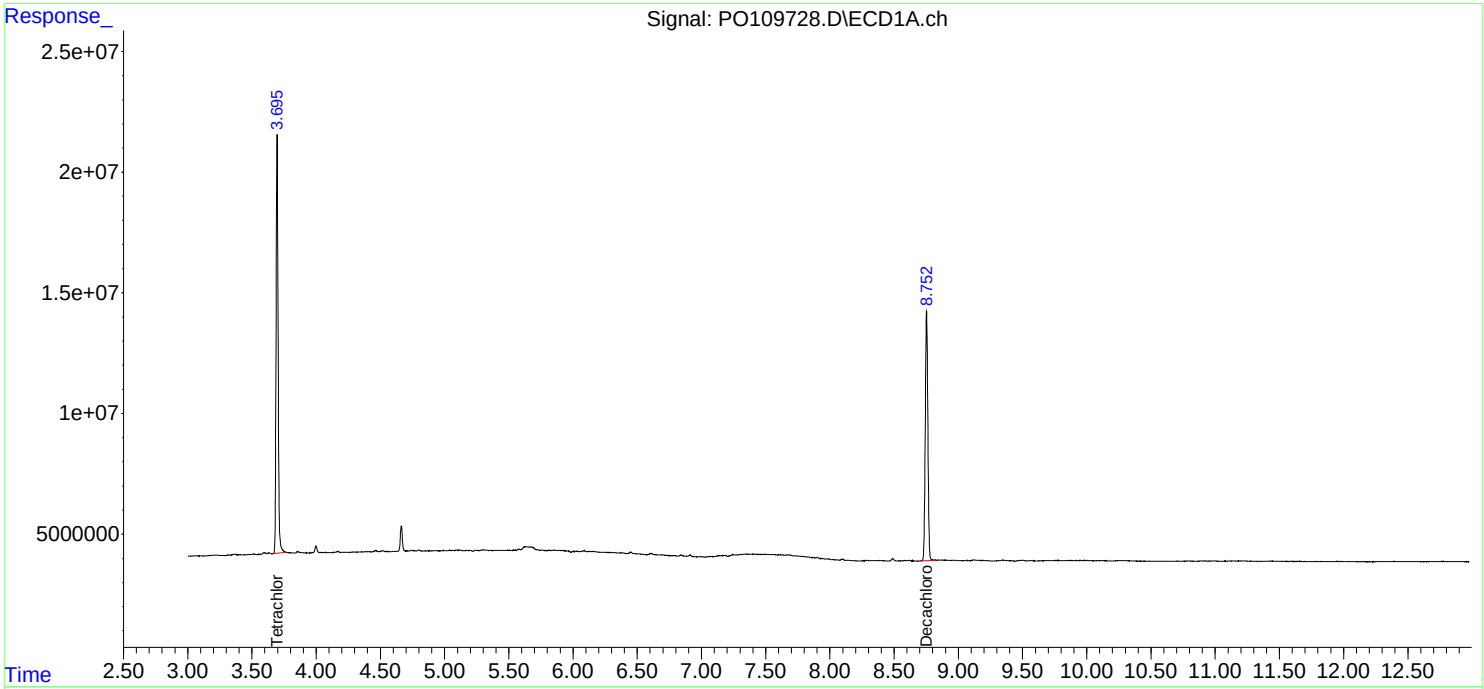
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

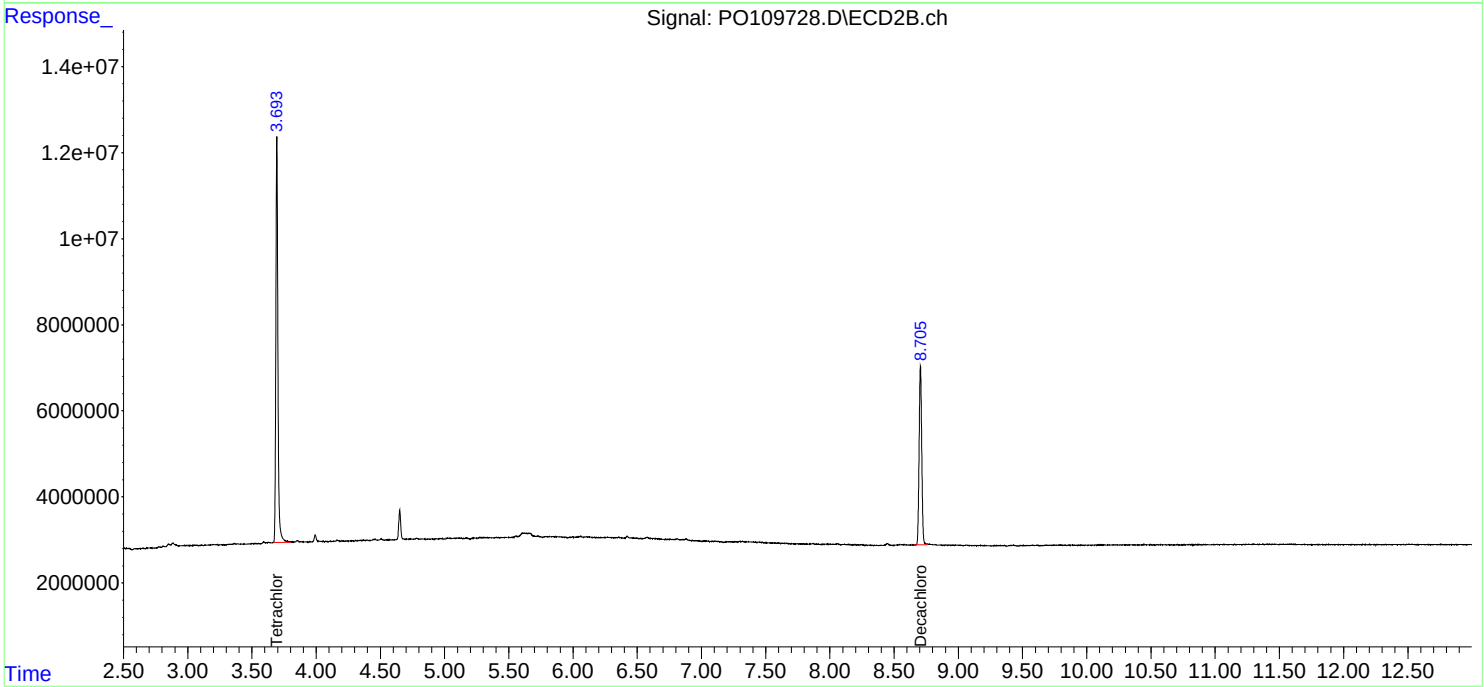
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO030725\
Data File : PO109728.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 19:04
Operator : YP/AJ
Sample : PB167028BL
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167028BL

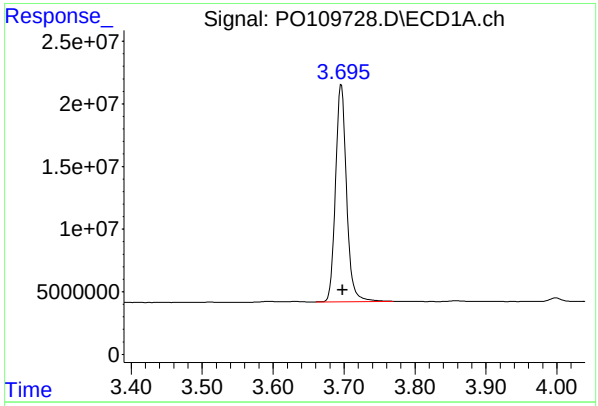
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:05:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



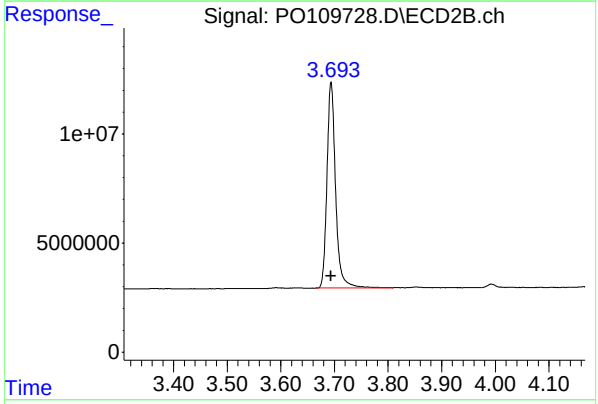


Instrument :
ECD_O
ClientSampleId :
PB167028BL



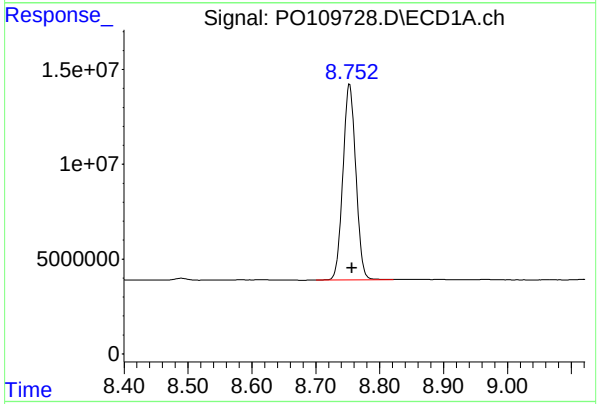
#1 Tetrachloro-m-xylene

R.T.: 3.696 min
Delta R.T.: -0.002 min
Response: 186643428
Conc: 19.72 ng/ml



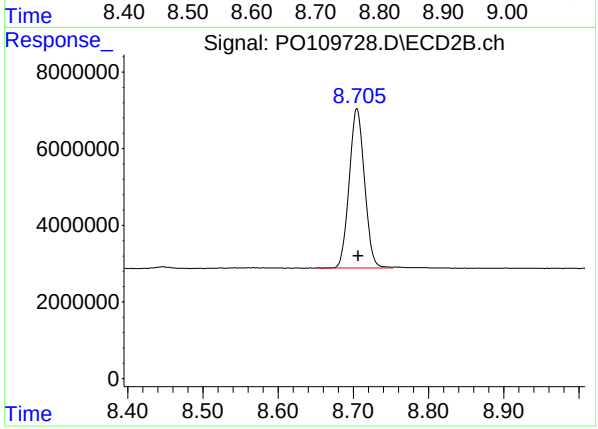
#1 Tetrachloro-m-xylene

R.T.: 3.694 min
Delta R.T.: 0.000 min
Response: 105434821
Conc: 20.14 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.753 min
Delta R.T.: -0.004 min
Response: 144791530
Conc: 16.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.705 min
Delta R.T.: -0.002 min
Response: 58766376
Conc: 18.46 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070354.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 13:41
Operator : YP\AJ
Sample : PB167029BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167029BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:14:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.828	35502642	22912096	24.191	23.966
2)	SA Decachlor...	10.254	8.883	24387789	23429013	21.411	21.611
	Target Compounds						

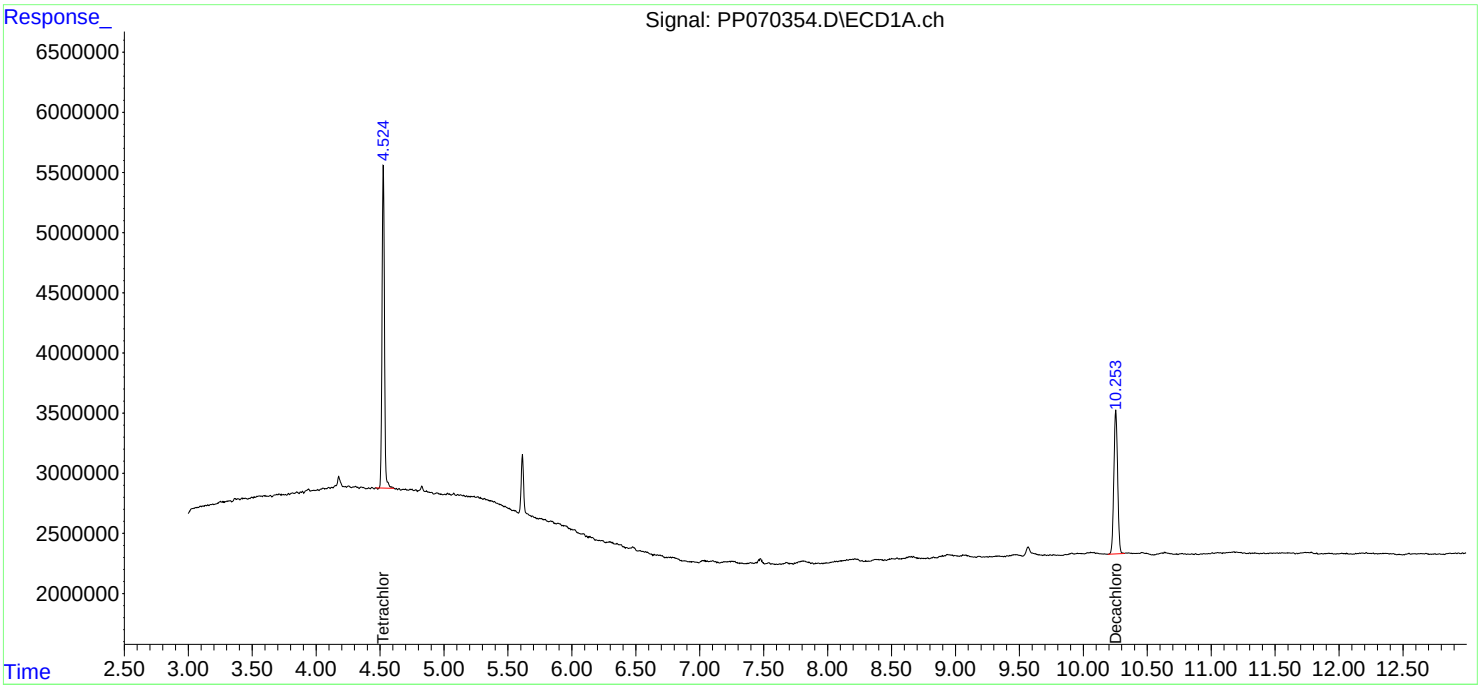
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

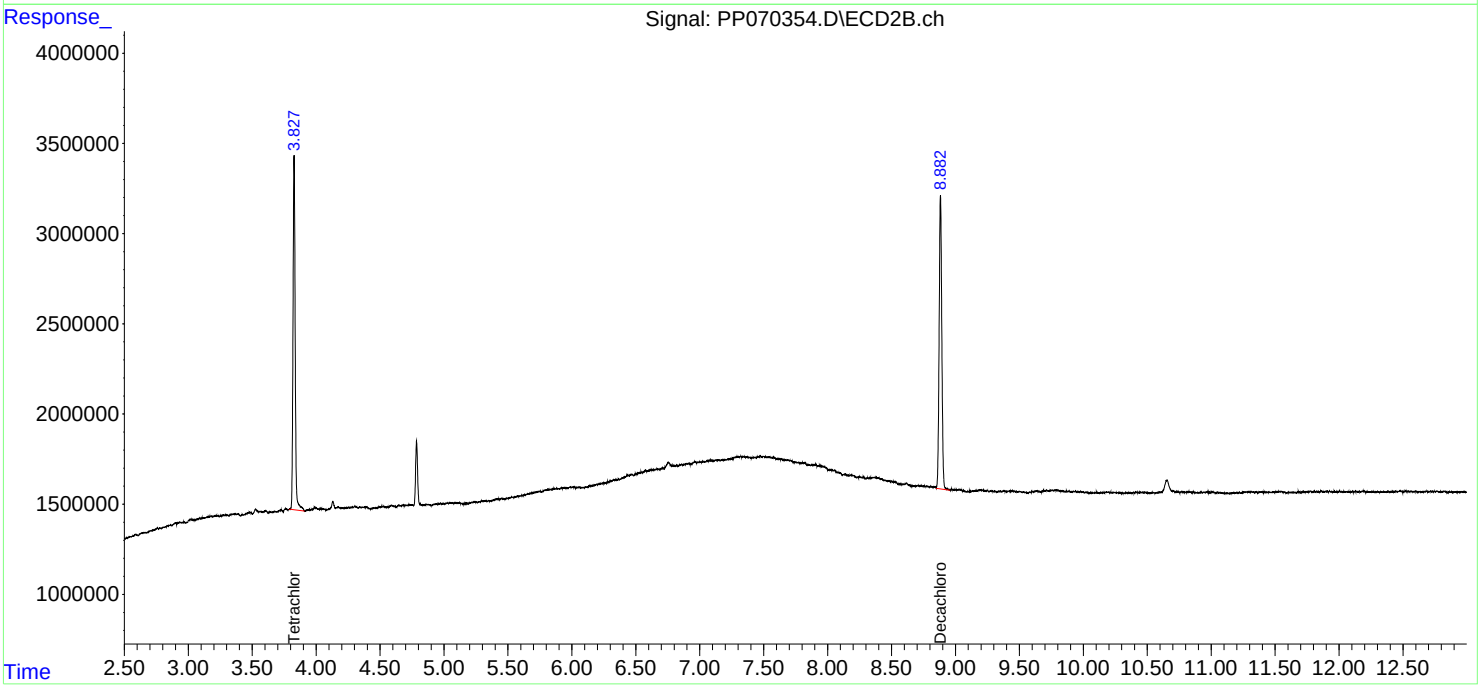
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070354.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 13:41
Operator : YP\AJ
Sample : PB167029BL
Misc :
ALS Vial : 16 Sample Multiplier: 1

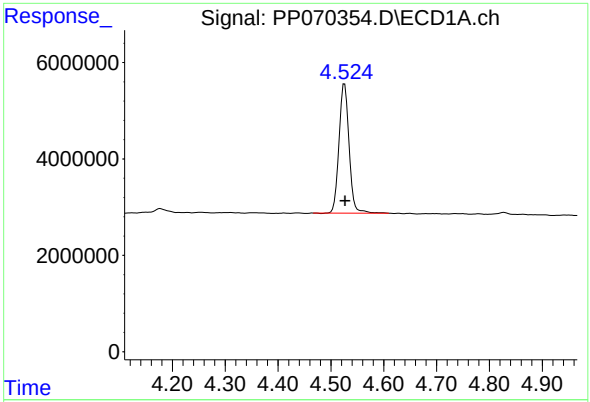
Instrument :
ECD_P
ClientSampleId :
PB167029BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:14:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



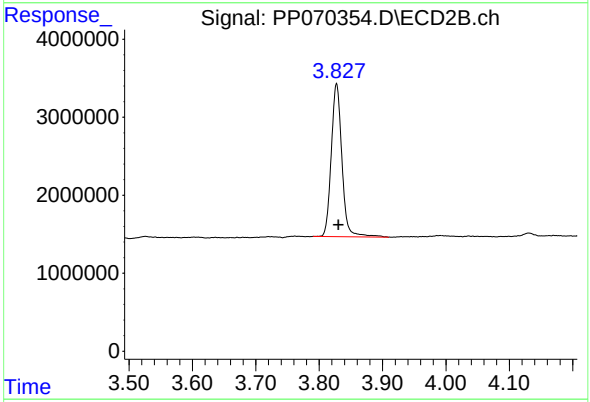




#1 Tetrachloro-m-xylene

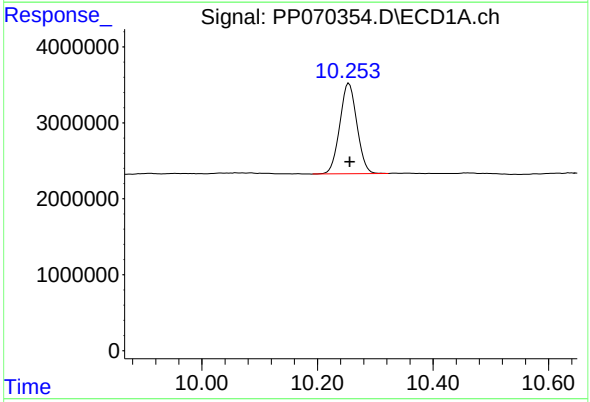
R.T.: 4.526 min
Delta R.T.: -0.001 min
Response: 35502642
Conc: 24.19 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167029BL



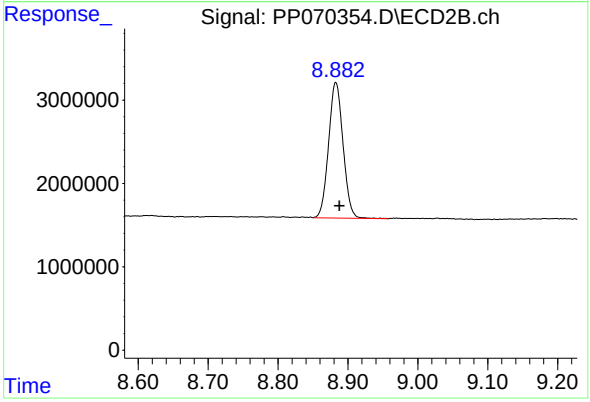
#1 Tetrachloro-m-xylene

R.T.: 3.828 min
Delta R.T.: -0.003 min
Response: 22912096
Conc: 23.97 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.254 min
Delta R.T.: -0.002 min
Response: 24387789
Conc: 21.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.883 min
Delta R.T.: -0.005 min
Response: 23429013
Conc: 21.61 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO030725\
Data File : PO109729.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 19:22
Operator : YP/AJ
Sample : PB167028BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167028BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:05:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.696	3.693	179.6E6	100.6E6	18.977	19.212
2)	SA Decachlor...	8.752	8.704	147.9E6	60265566	17.196	18.926
	Target Compounds						
3)	L1 AR-1016-1	4.789	4.776	146.3E6	77365361	474.466	495.390
4)	L1 AR-1016-2	4.809	4.795	201.4E6	109.1E6	478.416	504.177
5)	L1 AR-1016-3	4.865	4.971	139.2E6	59415910	470.675	497.407
6)	L1 AR-1016-4	4.986	5.012	109.7E6	49161452	473.259	472.386
7)	L1 AR-1016-5	5.243	5.226	116.7E6	63826122	451.859	468.437
31)	L7 AR-1260-1	6.285	6.260	220.6E6	116.9E6	473.242	493.453
32)	L7 AR-1260-2	6.474	6.447	261.5E6	136.3E6	462.766	495.234
33)	L7 AR-1260-3	6.843	6.600	181.5E6	125.7E6	381.594	492.721 #
34)	L7 AR-1260-4	7.103	7.072	166.9E6	85267121	386.794	413.532
35)	L7 AR-1260-5	7.345	7.312	409.1E6	190.5E6	411.653	425.322

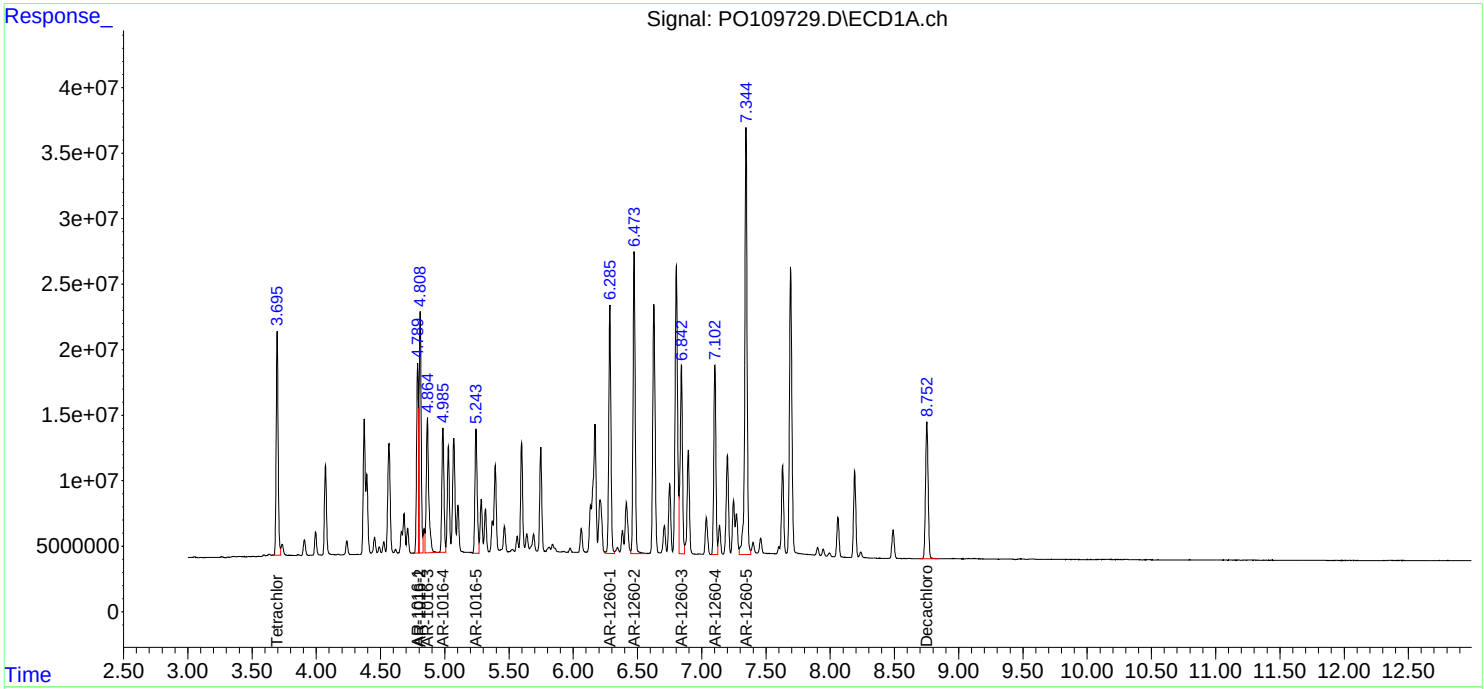
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

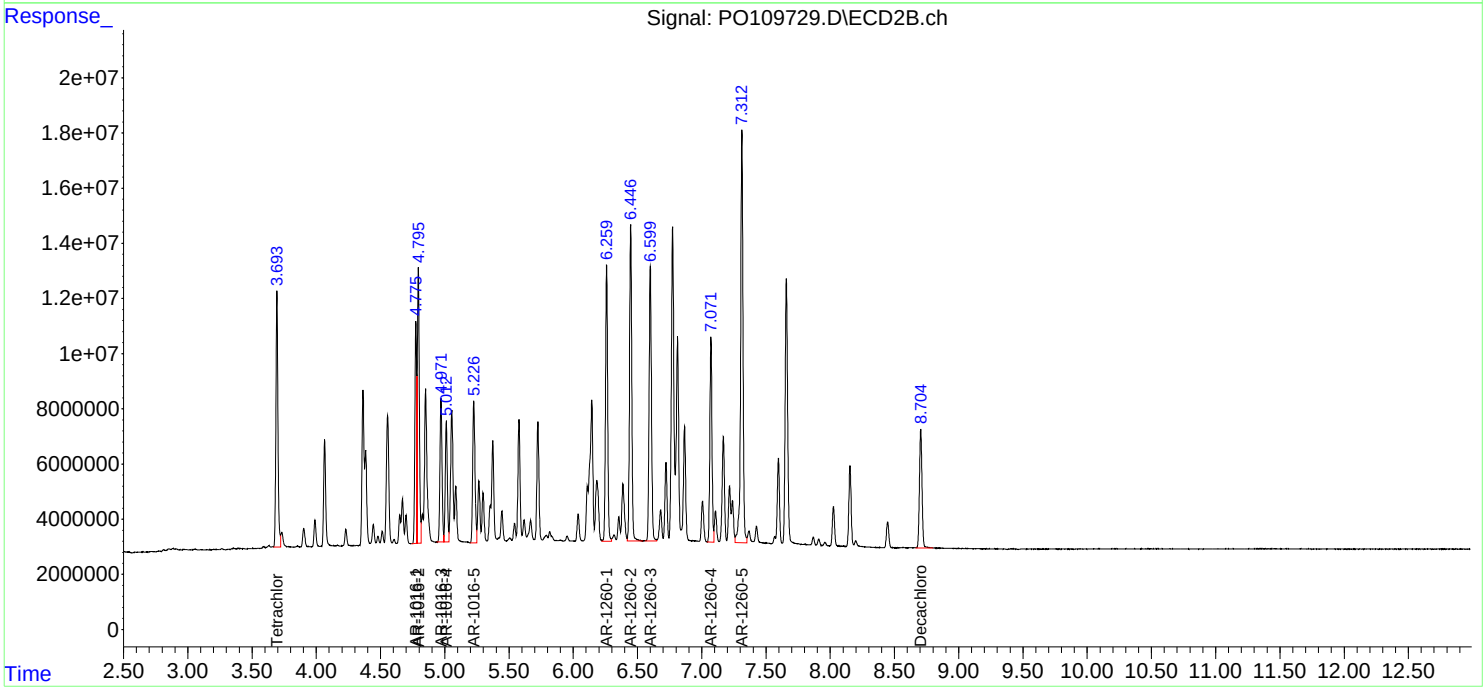
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO030725\
Data File : PO109729.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 19:22
Operator : YP/AJ
Sample : PB167028BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167028BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:05:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 13:57
Operator : YP\AJ
Sample : PB167029BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167029BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:14:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.829	36182218	21773663	24.654	22.775
2)	SA Decachlor...	10.253	8.883	25252885	23941555	22.170	22.084
	Target Compounds						
3)	L1 AR-1016-1	5.677	4.918	21959249	15486927	440.717	463.700
4)	L1 AR-1016-2	5.699	4.937	32489601	21680932	459.036	465.314
5)	L1 AR-1016-3	5.761	5.114	19239866	12042752	438.042	481.086
6)	L1 AR-1016-4	5.859	5.155	15718682	9329680	433.483	464.841
7)	L1 AR-1016-5	6.152	5.371	15129758	12082537	451.115	465.670
31)	L7 AR-1260-1	7.271	6.408	27249252	22440005	466.917	452.974
32)	L7 AR-1260-2	7.525	6.596	36701301	30096714	449.081	460.053
33)	L7 AR-1260-3	7.883	6.750	24987075	26316379	398.130	436.265
34)	L7 AR-1260-4	8.108	7.222	27691166	20482582	436.762	419.146
35)	L7 AR-1260-5	8.429	7.463	54546407	53149034	415.799	445.975

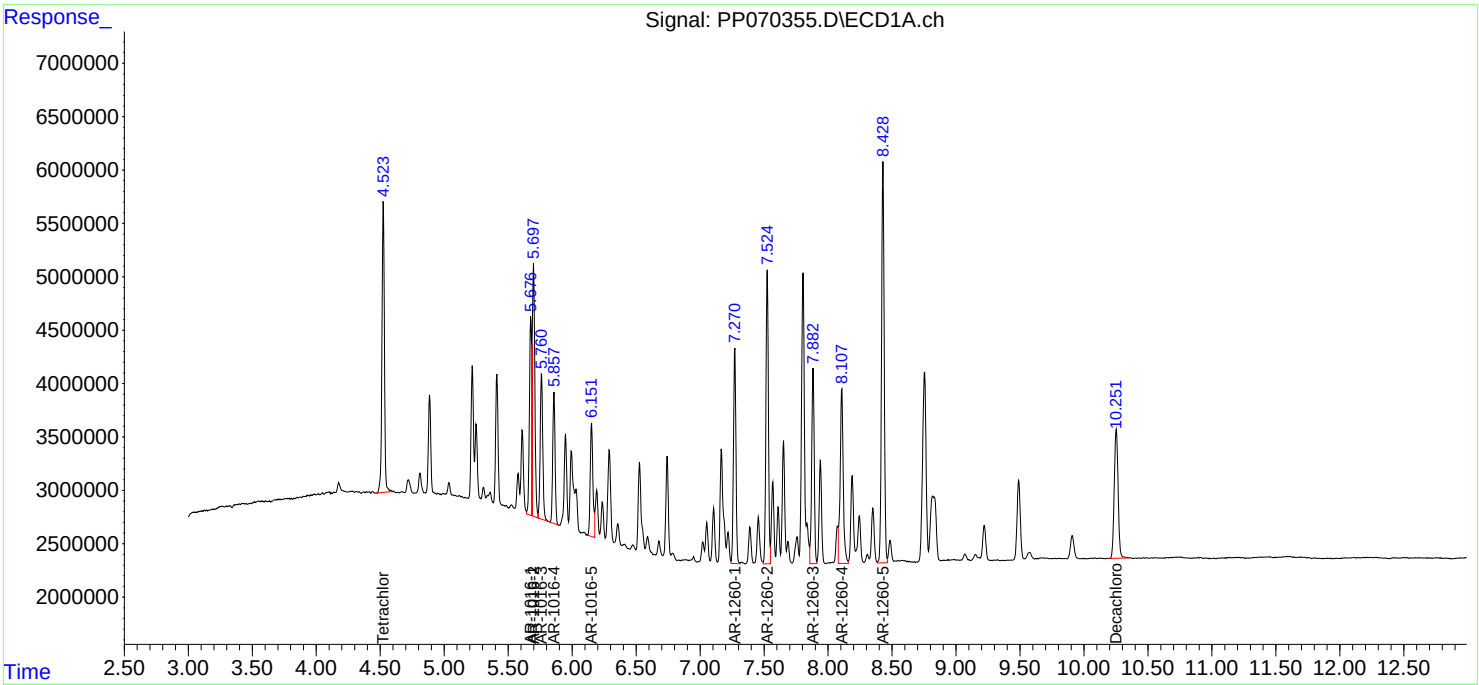
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

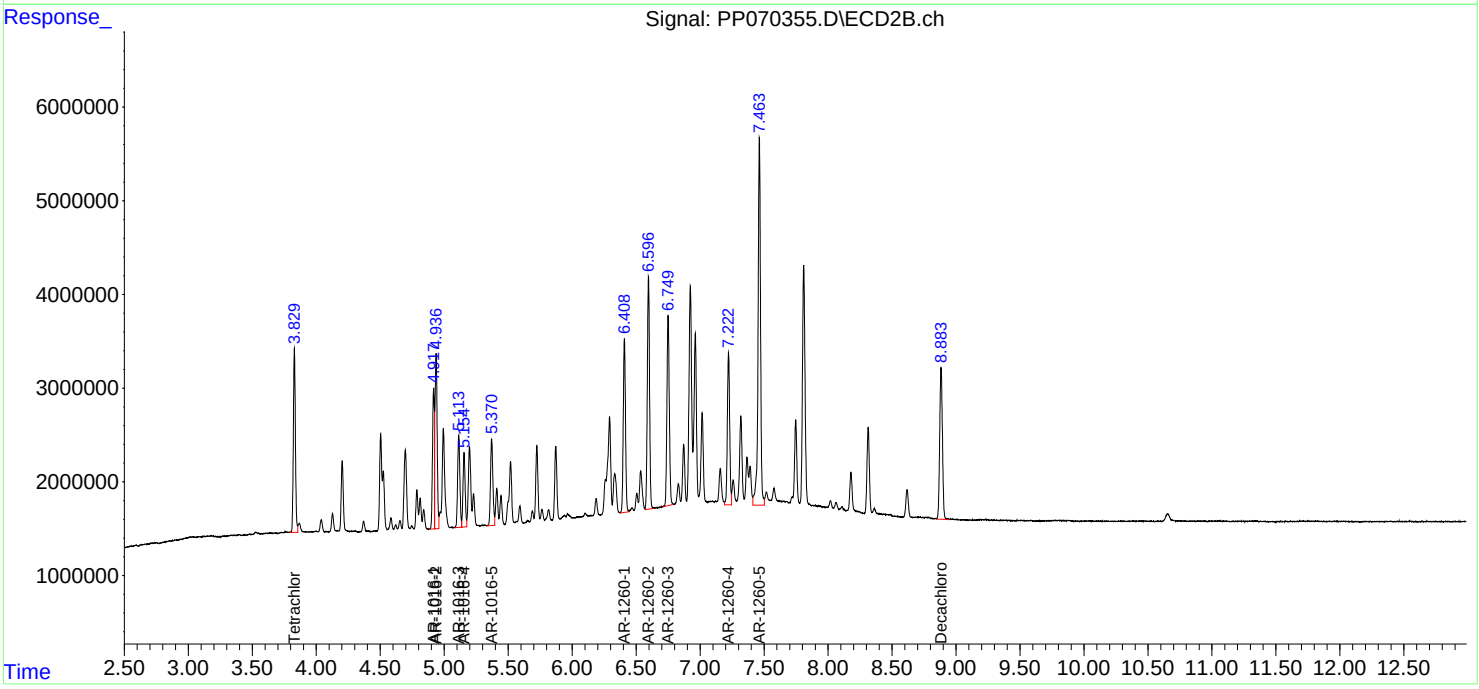
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 13:57
Operator : YP\AJ
Sample : PB167029BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167029BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:14:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO030725\
Data File : PO109730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 19:40
Operator : YP/AJ
Sample : PB167028BSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167028BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:05:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.696	3.694	178.2E6	99379229	18.826	18.986
2)	SA Decachlor...	8.751	8.705	145.3E6	58769390	16.894	18.456
	Target Compounds						
3)	L1 AR-1016-1	4.789	4.776	146.8E6	77154617	476.329	494.041
4)	L1 AR-1016-2	4.809	4.796	201.4E6	109.3E6	478.402	504.841
5)	L1 AR-1016-3	4.865	4.971	140.4E6	59736512	474.450	500.091
6)	L1 AR-1016-4	4.985	5.013	110.2E6	49792013	475.288	478.445
7)	L1 AR-1016-5	5.242	5.226	116.2E6	63435105	450.010	465.567
31)	L7 AR-1260-1	6.284	6.259	221.0E6	116.4E6	474.140	491.147
32)	L7 AR-1260-2	6.473	6.447	263.0E6	135.1E6	465.352	491.029
33)	L7 AR-1260-3	6.841	6.600	183.9E6	125.5E6	386.723	491.899 #
34)	L7 AR-1260-4	7.103	7.072	167.1E6	85595244	387.065	415.123
35)	L7 AR-1260-5	7.344	7.312	400.4E6	189.7E6	402.832	423.720

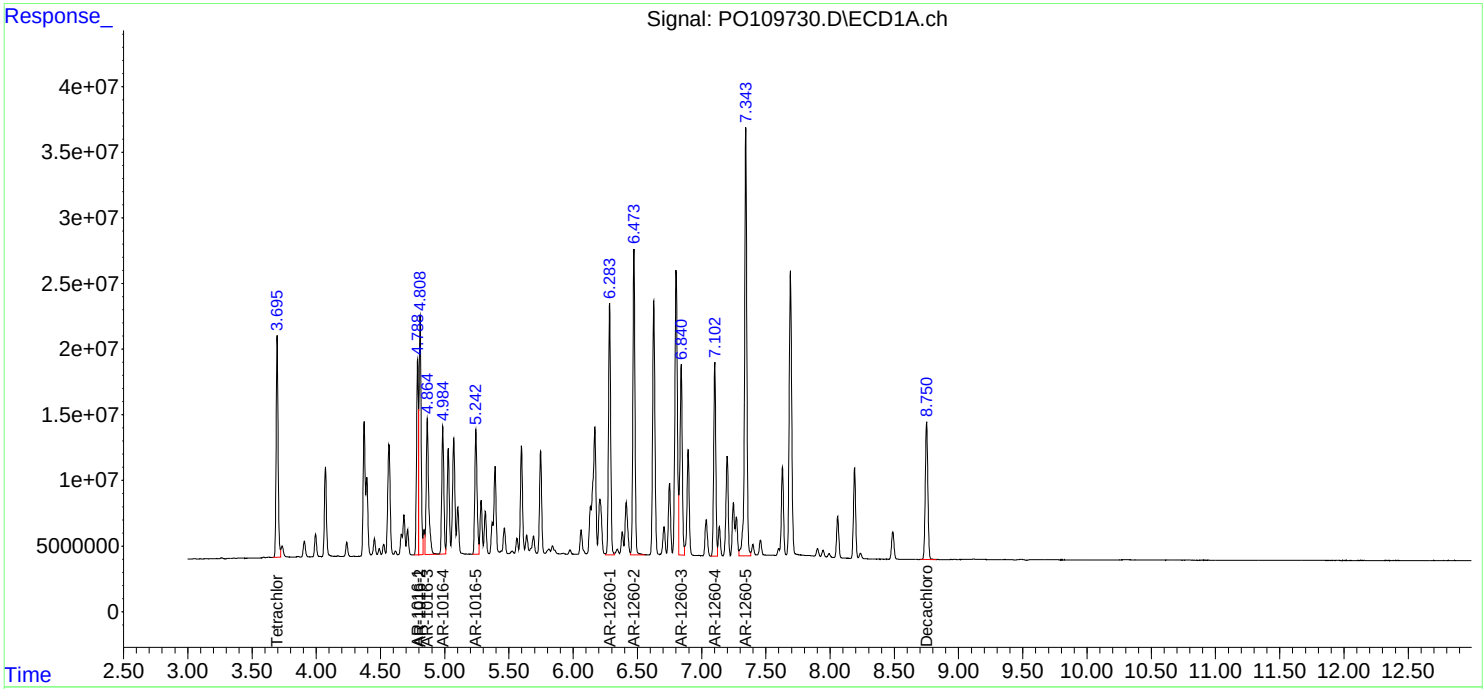
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

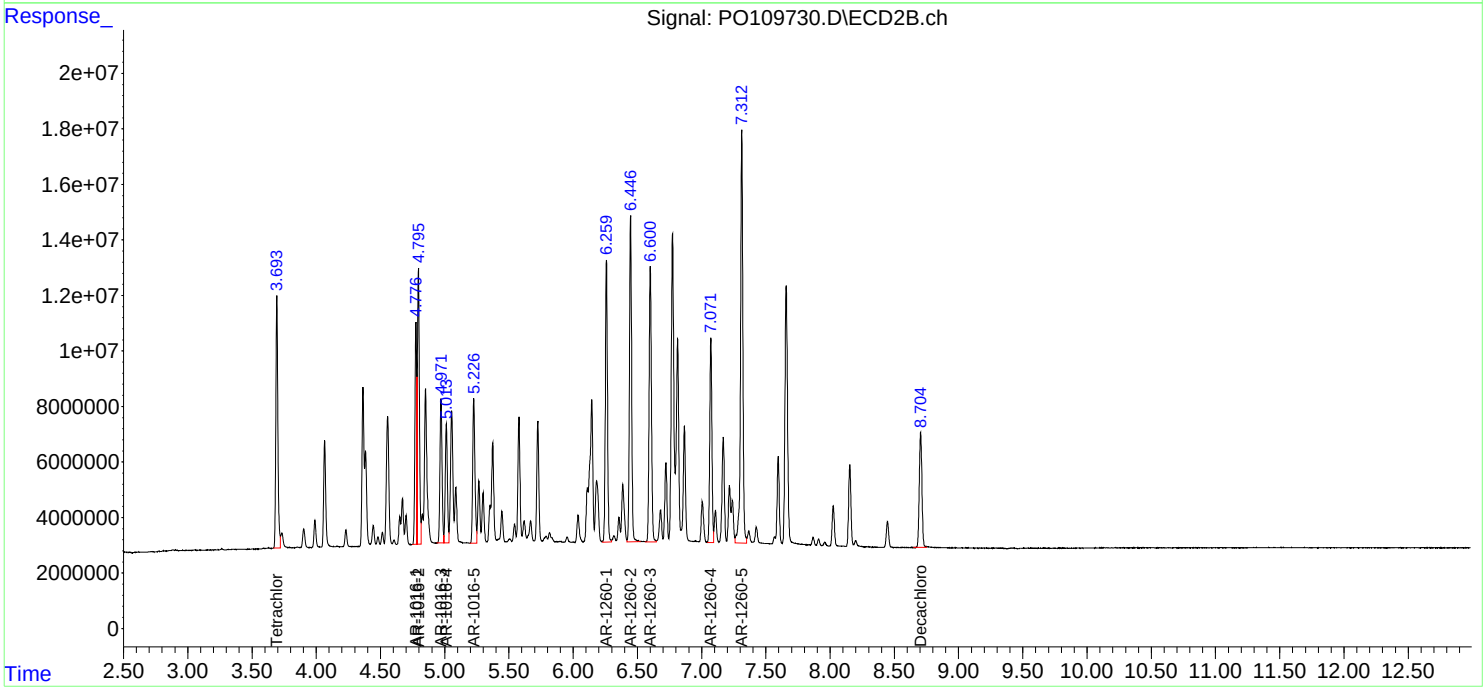
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO030725\
Data File : PO109730.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 19:40
Operator : YP/AJ
Sample : PB167028BSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB167028BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:05:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 18:11
Operator : YP\AJ
Sample : Q1508-01MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
RBR251372MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:18:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.829	19529899	11671207	13.307	12.208
2)	SA Decachlor...	10.252	8.883	15858370	15958808	13.923	14.721
	Target Compounds						
3)	L1 AR-1016-1	5.678	4.919	10555236	7712300	211.841	230.917m
4)	L1 AR-1016-2	5.700	4.938	17871750	13514048	252.504	290.037m
5)	L1 AR-1016-3	5.761	5.115	13989020	6088401	318.494	243.221m
6)	L1 AR-1016-4	5.858	5.158	10977191	8894079	302.724m	443.138 #
7)	L1 AR-1016-5	6.152	5.372	7269313	10805752	216.745	416.462 #
26)	L6 AR-1254-1	6.527	5.726	18601724	16185384	328.071m	296.602
27)	L6 AR-1254-2	6.744	5.875	23637368	13814394	269.570	283.398
28)	L6 AR-1254-3	7.107	6.279	21772239	16215625	244.285	213.880m
29)	L6 AR-1254-4	7.390	6.507	18639860	9901648	250.162	192.414m
30)	L6 AR-1254-5	7.804	6.925	40787861	28451785	607.303m	421.076 #
31)	L7 AR-1260-1	7.272	6.410	22732893	16451603	389.529	332.092
32)	L7 AR-1260-2	7.525	6.598	33541162	20745712	410.414	317.115
33)	L7 AR-1260-3	7.883	6.750	23852174	18189120	380.047	301.533
34)	L7 AR-1260-4	8.106	7.223	31706395	15011123	500.093	307.181 #
35)	L7 AR-1260-5	8.428	7.463	45371248	37672248	345.858	316.109

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 18:11
Operator : YP\AJ
Sample : Q1508-01MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

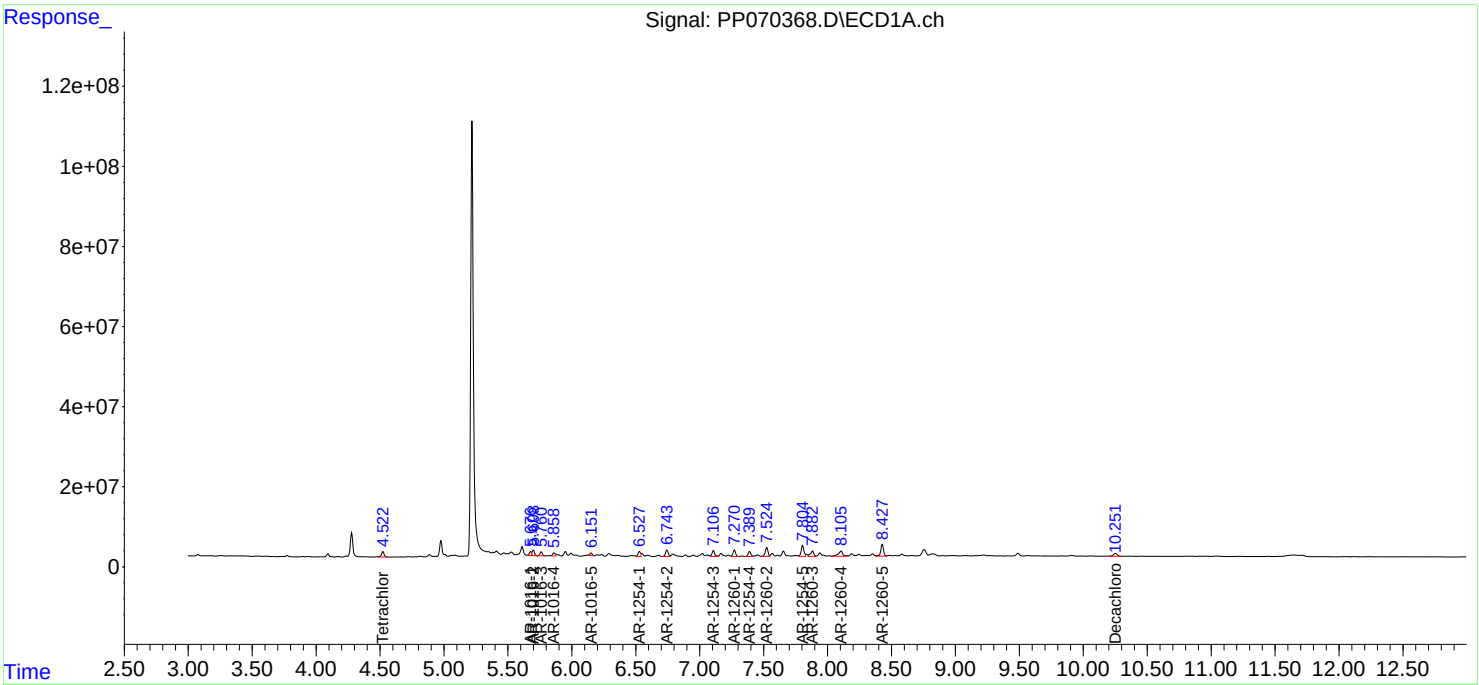
Instrument :
ECD_P
ClientSampleId :
RBR251372MS

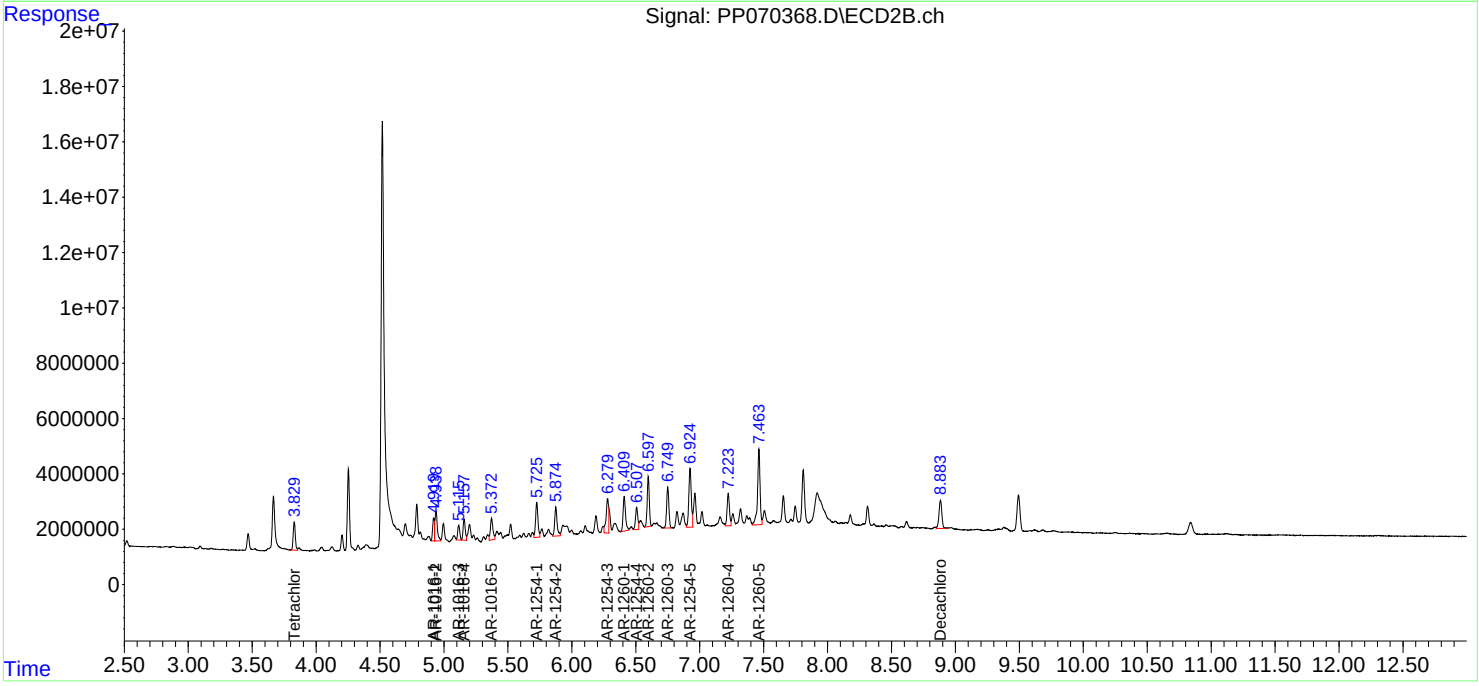
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:18:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 18:27
Operator : YP\AJ
Sample : Q1508-01MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
RBR251372MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:19:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.526	3.829	20281149	11929687	13.819	12.478
2)	SA Decachlor...	10.256	8.881	16195876	15854850	14.219	14.625
	Target Compounds						
3)	L1 AR-1016-1	5.681	4.918	10908744	8261282	218.936	247.354m
4)	L1 AR-1016-2	5.704	4.937	18167548	12829357	256.684	275.342m
5)	L1 AR-1016-3	5.765	5.114	14134626	6843578	321.809	273.389m
6)	L1 AR-1016-4	5.861	5.156	11218300	9015221	309.373m	449.174 #
7)	L1 AR-1016-5	6.155	5.371	7752516	10891759	231.152	419.777 #
26)	L6 AR-1254-1	6.530	5.725	18844012	16526961	332.344m	302.862
27)	L6 AR-1254-2	6.748	5.873	24912371	13819187	284.111	283.496
28)	L6 AR-1254-3	7.110	6.278	22663981	15515638	254.290	204.647m
29)	L6 AR-1254-4	7.394	6.506	19621361	10054172	263.335	195.378m#
30)	L6 AR-1254-5	7.809	6.923	47708507	29264844	710.347	433.109 #
31)	L7 AR-1260-1	7.275	6.409	24124142	17319071	413.368	349.603
32)	L7 AR-1260-2	7.529	6.596	34847076	21666445	426.393	331.189
33)	L7 AR-1260-3	7.886	6.749	24993800	19136371	398.237	317.237
34)	L7 AR-1260-4	8.110	7.222	33271910	16460560	524.785	336.841 #
35)	L7 AR-1260-5	8.432	7.462	44730056	42746768	340.970	358.690

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

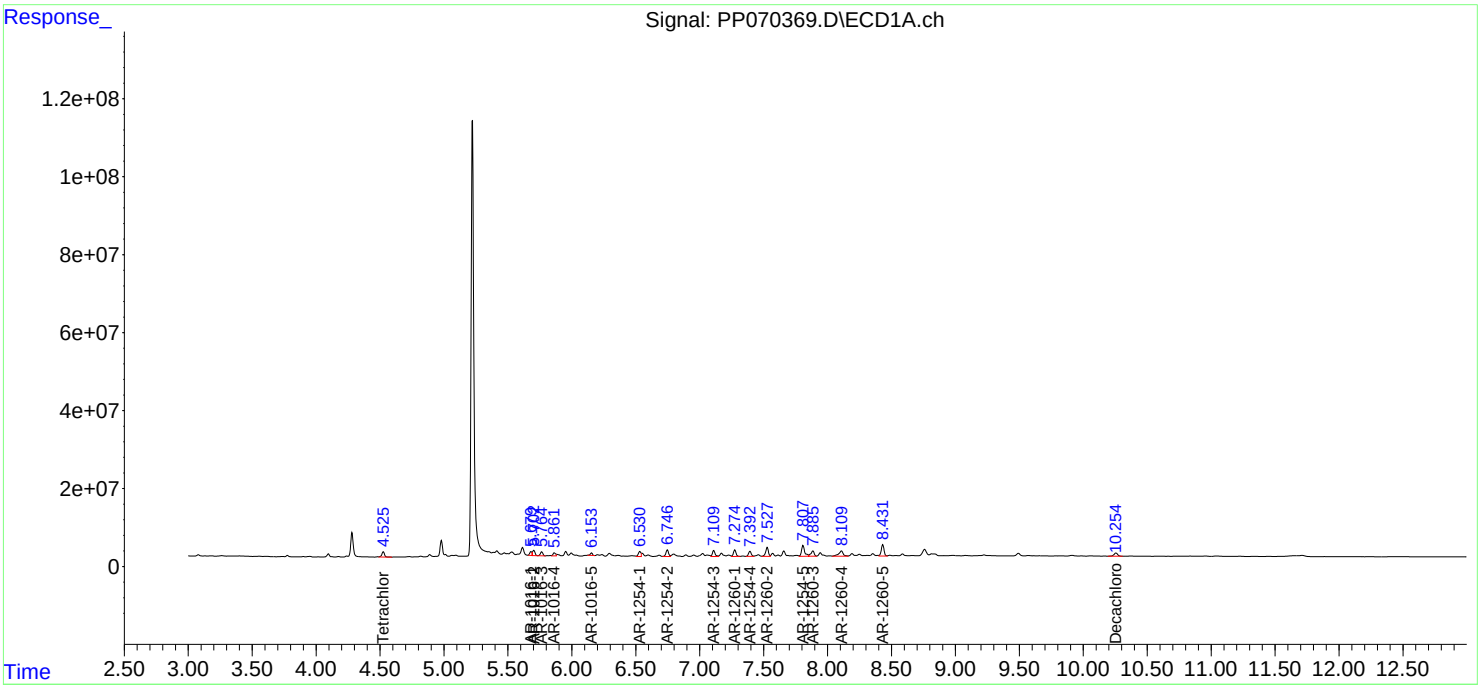
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP030725\
Data File : PP070369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2025 18:27
Operator : YP\AJ
Sample : Q1508-01MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

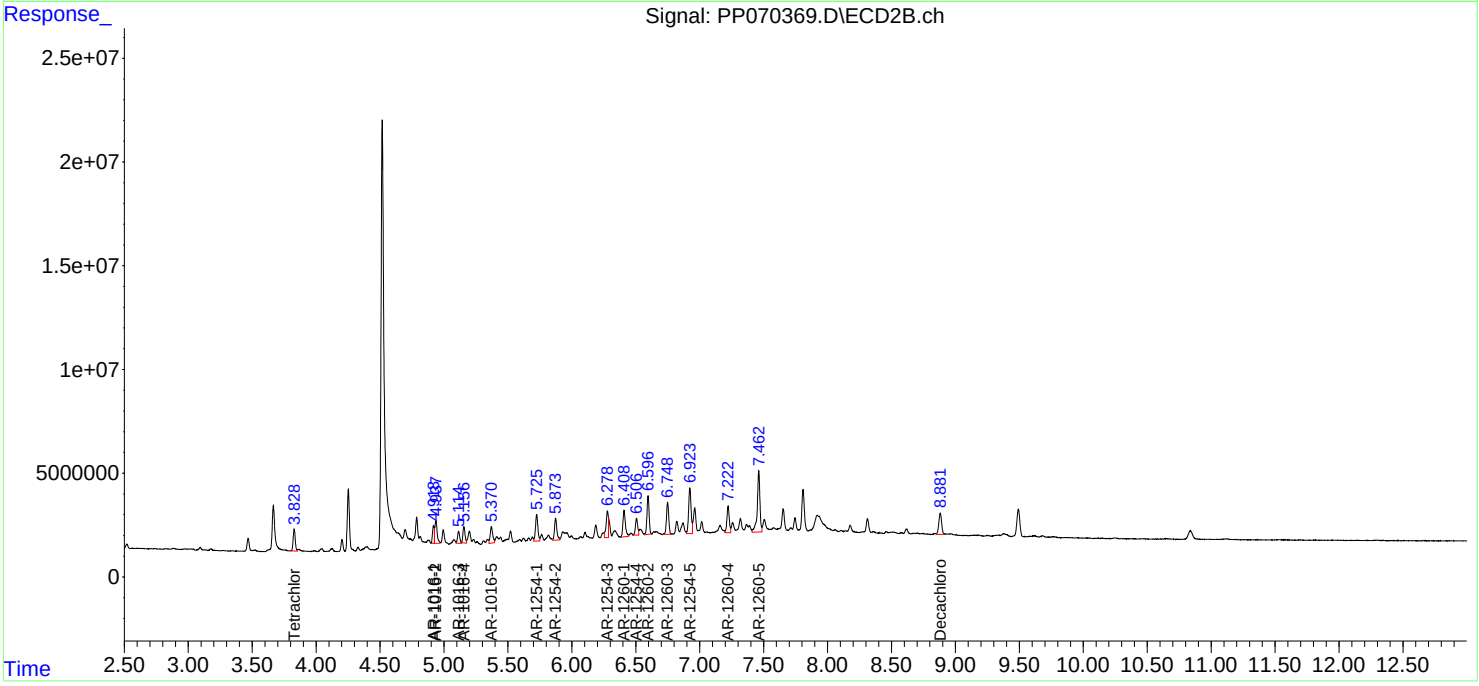
Instrument :
ECD_P
ClientSampleId :
RBR251372MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/10/2025
Supervised By :Ankita Jodhani 03/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 08 00:19:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





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

Manual Integration Report

Sequence:	PO022025	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PO109437.D	AR-1242-5	yogesh	2/21/2025 8:09:35 AM	Ankita	2/21/2025 9:30:25	Peak Integrated by Software
AR1242ICC050	PO109437.D	AR-1242-5 #2	yogesh	2/21/2025 8:09:35 AM	Ankita	2/21/2025 9:30:25	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-4	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-4 #2	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-5	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-5 #2	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-1	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-1 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-2 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-3	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-3 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-4	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO022025	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PO109447.D	AR-1254-4 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	Tetrachloro-m-xylene	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PO030725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1514-07	PO109731.D	Tetrachloro-m-xylene #2	yogesh	3/10/2025 7:58:52 AM	Ankita	3/10/2025 10:53:08	Peak Integrated by Software

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

Manual Integration Report

Sequence:	PP022425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP070000.D	AR-1016-1	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-1 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-3	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-3 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-4	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-5	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1260-1 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1260-2 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1260-3 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1221ICC500	PP070001.D	Decachlorobiphenyl	yogesh	2/25/2025 9:00:06 AM	Ankita	2/25/2025 9:47:57	Peak Integrated by Software
AR1242ICC750	PP070004.D	AR-1242-5	yogesh	2/25/2025 9:00:08 AM	Ankita	2/25/2025 9:47:58	Peak Integrated by Software
AR1242ICC250	PP070006.D	AR-1242-5	yogesh	2/25/2025 9:00:09 AM	Ankita	2/25/2025 9:48:00	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP022425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PP070007.D	AR-1242-1	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-2	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-3	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-4	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-5	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-1	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-2	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-3	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-4	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-5	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1254ICC1000	PP070013.D	AR-1254-1	yogesh	2/25/2025 9:00:14 AM	Ankita	2/25/2025 9:48:05	Peak Integrated by Software
AR1254ICC750	PP070014.D	AR-1254-1	yogesh	2/25/2025 9:00:16 AM	Ankita	2/25/2025 9:48:07	Peak Integrated by Software
AR1254ICC750	PP070014.D	AR-1254-5	yogesh	2/25/2025 9:00:16 AM	Ankita	2/25/2025 9:48:07	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP022425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PP070017.D	AR-1254-1	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-1 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-2 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-3	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-3 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-4	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-4 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-5	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-5 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	Tetrachloro-m-xylene	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	Tetrachloro-m-xylene #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1268ICC750	PP070020.D	Tetrachloro-m-xylene #2	yogesh	2/25/2025 9:00:19 AM	Ankita	2/25/2025 9:48:09	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP022425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC250	PP070022.D	AR-1268-4 #2	yogesh	2/25/2025 9:00:21 AM	Ankita	2/25/2025 9:48:11	Peak Integrated by Software
AR1268ICC050	PP070023.D	Tetrachloro-m-xylene	yogesh	2/25/2025 9:00:23 AM	Ankita	2/25/2025 9:48:13	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP030725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP070347.D	AR-1254-4 #2	yogesh	3/10/2025 8:00:25 AM	Ankita	3/10/2025 10:57:58	Peak Integrated by Software
AR1242CCC500	PP070360.D	AR-1242-1	yogesh	3/10/2025 8:00:39 AM	Ankita	3/10/2025 10:58:10	Peak Integrated by Software
AR1242CCC500	PP070360.D	AR-1242-1 #2	yogesh	3/10/2025 8:00:39 AM	Ankita	3/10/2025 10:58:10	Peak Integrated by Software
AR1248CCC500	PP070361.D	AR-1248-1 #2	yogesh	3/10/2025 8:00:40 AM	Ankita	3/10/2025 10:58:12	Peak Integrated by Software
AR1254CCC500	PP070362.D	AR-1254-4 #2	yogesh	3/10/2025 8:00:43 AM	Ankita	3/10/2025 10:58:14	Peak Integrated by Software
Q1508-01MS	PP070368.D	AR-1016-1 #2	yogesh	3/10/2025 8:00:54 AM	Ankita	3/10/2025 10:58:50	Peak Integrated by Software
Q1508-01MS	PP070368.D	AR-1016-2 #2	yogesh	3/10/2025 8:00:54 AM	Ankita	3/10/2025 10:58:50	Peak Integrated by Software
Q1508-01MS	PP070368.D	AR-1016-3 #2	yogesh	3/10/2025 8:00:54 AM	Ankita	3/10/2025 10:58:50	Peak Integrated by Software
Q1508-01MS	PP070368.D	AR-1016-4	yogesh	3/10/2025 8:00:54 AM	Ankita	3/10/2025 10:58:50	Peak Integrated by Software
Q1508-01MS	PP070368.D	AR-1254-1	yogesh	3/10/2025 8:00:54 AM	Ankita	3/10/2025 10:58:50	Peak Integrated by Software
Q1508-01MS	PP070368.D	AR-1254-3 #2	yogesh	3/10/2025 8:00:54 AM	Ankita	3/10/2025 10:58:50	Peak Integrated by Software
Q1508-01MS	PP070368.D	AR-1254-4 #2	yogesh	3/10/2025 8:00:54 AM	Ankita	3/10/2025 10:58:50	Peak Integrated by Software
Q1508-01MS	PP070368.D	AR-1254-5	yogesh	3/10/2025 8:00:54 AM	Ankita	3/10/2025 10:58:50	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP030725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1508-01MSD	PP070369.D	AR-1016-1 #2	yogesh	3/10/2025 8:00:56 AM	Ankita	3/10/2025 10:58:52	Peak Integrated by Software
Q1508-01MSD	PP070369.D	AR-1016-2 #2	yogesh	3/10/2025 8:00:56 AM	Ankita	3/10/2025 10:58:52	Peak Integrated by Software
Q1508-01MSD	PP070369.D	AR-1016-3 #2	yogesh	3/10/2025 8:00:56 AM	Ankita	3/10/2025 10:58:52	Peak Integrated by Software
Q1508-01MSD	PP070369.D	AR-1016-4	yogesh	3/10/2025 8:00:56 AM	Ankita	3/10/2025 10:58:52	Peak Integrated by Software
Q1508-01MSD	PP070369.D	AR-1254-1	yogesh	3/10/2025 8:00:56 AM	Ankita	3/10/2025 10:58:52	Peak Integrated by Software
Q1508-01MSD	PP070369.D	AR-1254-3 #2	yogesh	3/10/2025 8:00:56 AM	Ankita	3/10/2025 10:58:52	Peak Integrated by Software
Q1508-01MSD	PP070369.D	AR-1254-4 #2	yogesh	3/10/2025 8:00:56 AM	Ankita	3/10/2025 10:58:52	Peak Integrated by Software
Q1514-03	PP070371.D	Tetrachloro-m-xylene	yogesh	3/10/2025 8:00:58 AM	Ankita	3/10/2025 10:58:54	Peak Integrated by Software
Q1514-05	PP070372.D	AR-1254-1	yogesh	3/10/2025 8:01:00 AM	Ankita	3/10/2025 10:58:56	Peak Integrated by Software
Q1514-05	PP070372.D	AR-1254-4 #2	yogesh	3/10/2025 8:01:00 AM	Ankita	3/10/2025 10:58:56	Peak Integrated by Software
Q1514-05	PP070372.D	AR-1260-4	yogesh	3/10/2025 8:01:00 AM	Ankita	3/10/2025 10:58:56	Peak Integrated by Software
Q1514-05	PP070372.D	AR-1260-4 #2	yogesh	3/10/2025 8:01:00 AM	Ankita	3/10/2025 10:58:56	Peak Integrated by Software
Q1514-05	PP070372.D	AR-1260-5 #2	yogesh	3/10/2025 8:01:00 AM	Ankita	3/10/2025 10:58:56	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP030725	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC50 0	PP070374.D	AR-1016-5 #2	yogesh	3/10/2025 8:01:03 AM	Ankita	3/10/2025 10:59:00	Peak Integrated by Software
AR1242CCC50 0	PP070375.D	AR-1242-1	yogesh	3/10/2025 8:01:04 AM	Ankita	3/10/2025 10:59:02	Peak Integrated by Software
AR1242CCC50 0	PP070375.D	AR-1242-1 #2	yogesh	3/10/2025 8:01:04 AM	Ankita	3/10/2025 10:59:02	Peak Integrated by Software
AR1248CCC50 0	PP070376.D	AR-1248-1 #2	yogesh	3/10/2025 8:01:06 AM	Ankita	3/10/2025 10:59:05	Peak Integrated by Software
AR1254CCC50 0	PP070377.D	AR-1254-4 #2	yogesh	3/10/2025 8:01:08 AM	Ankita	3/10/2025 10:59:07	Peak Integrated by Software
I.BLK	PP070378.D	Tetrachloro-m-xylene #2	yogesh	3/10/2025 8:01:09 AM	Ankita	3/10/2025 10:59:09	Peak Integrated by Software
AR1242CCC50 0	PP070385.D	AR-1242-1	yogesh	3/10/2025 8:01:16 AM	Ankita	3/10/2025 10:59:16	Peak Integrated by Software
AR1242CCC50 0	PP070385.D	AR-1242-1 #2	yogesh	3/10/2025 8:01:16 AM	Ankita	3/10/2025 10:59:16	Peak Integrated by Software
AR1248CCC50 0	PP070386.D	AR-1248-1 #2	yogesh	3/10/2025 8:01:18 AM	Ankita	3/10/2025 10:59:42	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO109424.D	20 Feb 2025 16:09	YP/AJ	Ok
2	I.BLK	PO109425.D	20 Feb 2025 16:28	YP/AJ	Ok
3	AR1660ICC1000	PO109426.D	20 Feb 2025 16:46	YP/AJ	Ok
4	AR1660ICC750	PO109427.D	20 Feb 2025 17:04	YP/AJ	Ok
5	AR1660ICC500	PO109428.D	20 Feb 2025 17:23	YP/AJ	Ok
6	AR1660ICC250	PO109429.D	20 Feb 2025 17:41	YP/AJ	Ok
7	AR1660ICC050	PO109430.D	20 Feb 2025 17:59	YP/AJ	Ok
8	AR1221ICC500	PO109431.D	20 Feb 2025 18:18	YP/AJ	Ok
9	AR1232ICC500	PO109432.D	20 Feb 2025 18:36	YP/AJ	Ok
10	AR1242ICC1000	PO109433.D	20 Feb 2025 18:55	YP/AJ	Ok
11	AR1242ICC750	PO109434.D	20 Feb 2025 19:13	YP/AJ	Ok
12	AR1242ICC500	PO109435.D	20 Feb 2025 19:31	YP/AJ	Ok
13	AR1242ICC250	PO109436.D	20 Feb 2025 19:50	YP/AJ	Ok
14	AR1242ICC050	PO109437.D	20 Feb 2025 20:08	YP/AJ	Ok,M
15	AR1248ICC1000	PO109438.D	20 Feb 2025 20:26	YP/AJ	Ok
16	AR1248ICC750	PO109439.D	20 Feb 2025 20:45	YP/AJ	Ok
17	AR1248ICC500	PO109440.D	20 Feb 2025 21:03	YP/AJ	Ok
18	AR1248ICC250	PO109441.D	20 Feb 2025 21:21	YP/AJ	Ok
19	AR1248ICC050	PO109442.D	20 Feb 2025 21:40	YP/AJ	Ok,M
20	AR1254ICC1000	PO109443.D	20 Feb 2025 21:58	YP/AJ	Ok
21	AR1254ICC750	PO109444.D	20 Feb 2025 22:17	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO109445.D	20 Feb 2025 22:35	YP/AJ	Ok
23	AR1254ICC250	PO109446.D	20 Feb 2025 22:53	YP/AJ	Ok
24	AR1254ICC050	PO109447.D	20 Feb 2025 23:12	YP/AJ	Ok,M
25	AR1262ICC500	PO109448.D	20 Feb 2025 23:30	YP/AJ	Ok
26	AR1268ICC1000	PO109449.D	20 Feb 2025 23:48	YP/AJ	Ok
27	AR1268ICC750	PO109450.D	21 Feb 2025 00:07	YP/AJ	Ok
28	AR1268ICC500	PO109451.D	21 Feb 2025 00:25	YP/AJ	Ok
29	AR1268ICC250	PO109452.D	21 Feb 2025 00:43	YP/AJ	Ok
30	AR1268ICC050	PO109453.D	21 Feb 2025 01:02	YP/AJ	Ok
31	PO022025ICV500	PO109454.D	21 Feb 2025 01:20	YP/AJ	Ok
32	AR1242ICV500	PO109455.D	21 Feb 2025 01:38	YP/AJ	Ok
33	AR1248ICV500	PO109456.D	21 Feb 2025 01:57	YP/AJ	Ok
34	AR1254ICV500	PO109457.D	21 Feb 2025 02:15	YP/AJ	Ok
35	AR1268ICV500	PO109458.D	21 Feb 2025 02:34	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO030725

Review By	yogesh	Review On	3/10/2025 10:54:39 AM		
Supervise By	Ankita	Supervise On	3/10/2025 10:55:05 AM		
SubDirectory	PO030725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO109697.D	07 Mar 2025 08:40	YP/AJ	Ok
2	AR1660CCC500	PO109698.D	07 Mar 2025 08:58	YP/AJ	Ok
3	I.BLK	PO109699.D	07 Mar 2025 09:17	YP/AJ	Ok
4	Q1437-07DL	PO109700.D	07 Mar 2025 09:36	YP/AJ	Ok
5	Q1438-03DL	PO109701.D	07 Mar 2025 09:55	YP/AJ	Ok
6	Q1438-05DL	PO109702.D	07 Mar 2025 10:12	YP/AJ	Ok
7	Q1433-06DL	PO109703.D	07 Mar 2025 10:29	YP/AJ	Ok
8	Q1433-09DL	PO109704.D	07 Mar 2025 10:48	YP/AJ	Ok
9	Q1434-02DL	PO109705.D	07 Mar 2025 11:06	YP/AJ	Not Ok
10	Q1434-05DL	PO109706.D	07 Mar 2025 11:24	YP/AJ	Ok
11	Q1434-07DL	PO109707.D	07 Mar 2025 11:43	YP/AJ	Ok
12	AR1660CCC500	PO109708.D	07 Mar 2025 12:30	YP/AJ	Ok
13	AR1242CCC500	PO109709.D	07 Mar 2025 12:48	YP/AJ	Ok
14	AR1248CCC500	PO109710.D	07 Mar 2025 13:05	YP/AJ	Ok
15	AR1254CCC500	PO109711.D	07 Mar 2025 13:24	YP/AJ	Ok
16	I.BLK	PO109712.D	07 Mar 2025 13:42	YP/AJ	Ok
17	PB167025BL	PO109713.D	07 Mar 2025 14:00	YP/AJ	Ok
18	PB167025BS	PO109714.D	07 Mar 2025 14:19	YP/AJ	Ok
19	Q1509-01	PO109715.D	07 Mar 2025 14:37	YP/AJ	Ok,M
20	Q1509-02	PO109716.D	07 Mar 2025 14:56	YP/AJ	Ok,M
21	Q1520-01	PO109717.D	07 Mar 2025 15:14	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO030725

Review By	yogesh	Review On	3/10/2025 10:54:39 AM		
Supervise By	Ankita	Supervise On	3/10/2025 10:55:05 AM		
SubDirectory	PO030725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1520-02	PO109718.D	07 Mar 2025 15:32	YP/AJ	Ok,M
23	Q1520-03	PO109719.D	07 Mar 2025 15:51	YP/AJ	Ok,M
24	Q1520-04	PO109720.D	07 Mar 2025 16:09	YP/AJ	Ok,M
25	Q1520-05	PO109721.D	07 Mar 2025 16:28	YP/AJ	Ok,M
26	Q1520-06	PO109722.D	07 Mar 2025 16:46	YP/AJ	Ok,M
27	AR1660CCC500	PO109723.D	07 Mar 2025 17:33	YP/AJ	Ok
28	AR1242CCC500	PO109724.D	07 Mar 2025 17:50	YP/AJ	Ok
29	AR1248CCC500	PO109725.D	07 Mar 2025 18:08	YP/AJ	Ok
30	AR1254CCC500	PO109726.D	07 Mar 2025 18:27	YP/AJ	Ok
31	I.BLK	PO109727.D	07 Mar 2025 18:45	YP/AJ	Ok
32	PB167028BL	PO109728.D	07 Mar 2025 19:04	YP/AJ	Ok
33	PB167028BS	PO109729.D	07 Mar 2025 19:22	YP/AJ	Ok
34	PB167028BSD	PO109730.D	07 Mar 2025 19:40	YP/AJ	Ok
35	Q1514-07	PO109731.D	07 Mar 2025 19:59	YP/AJ	Ok,M
36	Q1514-08	PO109732.D	07 Mar 2025 20:17	YP/AJ	Ok
37	Q1514-09	PO109733.D	07 Mar 2025 20:35	YP/AJ	Ok
38	Q1516-03	PO109734.D	07 Mar 2025 20:54	YP/AJ	Ok
39	Q1517-01	PO109735.D	07 Mar 2025 21:12	YP/AJ	Ok,M
40	Q1434-02DL	PO109736.D	07 Mar 2025 21:31	YP/AJ	Ok,M
41	AR1660CCC500	PO109737.D	07 Mar 2025 22:17	YP/AJ	Ok
42	AR1242CCC500	PO109738.D	07 Mar 2025 22:36	YP/AJ	Ok
43	AR1248CCC500	PO109739.D	07 Mar 2025 22:54	YP/AJ	Ok
44	AR1254CCC500	PO109740.D	07 Mar 2025 23:11	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO030725

Review By	yogesh	Review On	3/10/2025 10:54:39 AM		
Supervise By	Ankita	Supervise On	3/10/2025 10:55:05 AM		
SubDirectory	PO030725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	I.BLK	PO109741.D	07 Mar 2025 23:30	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM		
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM		
SubDirectory	PP022425	HP Acquire Method		HP Processing Method	PP022425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP069994.D	24 Feb 2025 14:27	YP\AJ	Ok
2	I.BLK	PP069995.D	24 Feb 2025 14:43	YP\AJ	Ok
3	AR1660ICC1000	PP069996.D	24 Feb 2025 14:59	YP\AJ	Ok
4	AR1660ICC750	PP069997.D	24 Feb 2025 15:15	YP\AJ	Ok
5	AR1660ICC500	PP069998.D	24 Feb 2025 15:32	YP\AJ	Ok
6	AR1660ICC250	PP069999.D	24 Feb 2025 15:48	YP\AJ	Ok
7	AR1660ICC050	PP070000.D	24 Feb 2025 16:04	YP\AJ	Ok,M
8	AR1221ICC500	PP070001.D	24 Feb 2025 16:20	YP\AJ	Ok,M
9	AR1232ICC500	PP070002.D	24 Feb 2025 16:37	YP\AJ	Ok
10	AR1242ICC1000	PP070003.D	24 Feb 2025 16:53	YP\AJ	Ok
11	AR1242ICC750	PP070004.D	24 Feb 2025 17:09	YP\AJ	Ok,M
12	AR1242ICC500	PP070005.D	24 Feb 2025 17:25	YP\AJ	Ok
13	AR1242ICC250	PP070006.D	24 Feb 2025 17:42	YP\AJ	Ok,M
14	AR1242ICC050	PP070007.D	24 Feb 2025 17:58	YP\AJ	Ok,M
15	AR1248ICC1000	PP070008.D	24 Feb 2025 18:14	YP\AJ	Ok
16	AR1248ICC750	PP070009.D	24 Feb 2025 18:30	YP\AJ	Ok
17	AR1248ICC500	PP070010.D	24 Feb 2025 18:46	YP\AJ	Ok
18	AR1248ICC250	PP070011.D	24 Feb 2025 19:03	YP\AJ	Ok
19	AR1248ICC050	PP070012.D	24 Feb 2025 19:19	YP\AJ	Ok,M
20	AR1254ICC1000	PP070013.D	24 Feb 2025 19:35	YP\AJ	Ok,M
21	AR1254ICC750	PP070014.D	24 Feb 2025 19:51	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM		
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM		
SubDirectory	PP022425	HP Acquire Method		HP Processing Method	PP022425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PP070015.D	24 Feb 2025 20:08	YP\AJ	Ok
23	AR1254ICC250	PP070016.D	24 Feb 2025 20:24	YP\AJ	Ok
24	AR1254ICC050	PP070017.D	24 Feb 2025 20:40	YP\AJ	Ok,M
25	AR1262ICC500	PP070018.D	24 Feb 2025 20:56	YP\AJ	Ok
26	AR1268ICC1000	PP070019.D	24 Feb 2025 21:12	YP\AJ	Ok
27	AR1268ICC750	PP070020.D	24 Feb 2025 21:29	YP\AJ	Ok,M
28	AR1268ICC500	PP070021.D	24 Feb 2025 21:45	YP\AJ	Ok
29	AR1268ICC250	PP070022.D	24 Feb 2025 22:01	YP\AJ	Ok,M
30	AR1268ICC050	PP070023.D	24 Feb 2025 22:17	YP\AJ	Ok,M
31	PP022425ICV500	PP070024.D	24 Feb 2025 22:34	YP\AJ	Ok
32	AR1242ICV500	PP070025.D	24 Feb 2025 22:50	YP\AJ	Ok
33	AR1248ICV500	PP070026.D	24 Feb 2025 23:06	YP\AJ	Ok
34	AR1254ICV500	PP070027.D	24 Feb 2025 23:22	YP\AJ	Ok
35	AR1268ICV500	PP070028.D	24 Feb 2025 23:38	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP030725

Review By	yogesh	Review On	3/7/2025 1:29:40 PM		
Supervise By	Ankita	Supervise On	3/10/2025 11:00:00 AM		
SubDirectory	PP030725	HP Acquire Method		HP Processing Method	PP022425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP070337.D	07 Mar 2025 08:41	YP\AJ	Ok
2	AR1660CCC500	PP070338.D	07 Mar 2025 08:57	YP\AJ	Ok
3	I.BLK	PP070339.D	07 Mar 2025 09:15	YP\AJ	Ok
4	Q1434-10DL	PP070340.D	07 Mar 2025 09:32	YP\AJ	Ok,M
5	Q1436-02DL	PP070341.D	07 Mar 2025 09:48	YP\AJ	Ok,M
6	Q1436-08DL	PP070342.D	07 Mar 2025 10:04	YP\AJ	Dilution
7	Q1436-08DL2	PP070343.D	07 Mar 2025 10:20	YP\AJ	Ok,M
8	AR1660CCC500	PP070344.D	07 Mar 2025 10:58	YP\AJ	Ok
9	AR1242CCC500	PP070345.D	07 Mar 2025 11:14	YP\AJ	Ok
10	AR1248CCC500	PP070346.D	07 Mar 2025 11:31	YP\AJ	Ok
11	AR1254CCC500	PP070347.D	07 Mar 2025 11:47	YP\AJ	Ok,M
12	I.BLK	PP070348.D	07 Mar 2025 12:03	YP\AJ	Ok
13	PB167005BL	PP070349.D	07 Mar 2025 12:19	YP\AJ	Ok
14	Q1472-01	PP070350.D	07 Mar 2025 12:36	YP\AJ	Ok,M
15	Q1437-01DL	PP070351.D	07 Mar 2025 12:52	YP\AJ	Ok,M
16	Q1437-04DL	PP070352.D	07 Mar 2025 13:08	YP\AJ	Dilution
17	Q1437-04DL2	PP070353.D	07 Mar 2025 13:24	YP\AJ	Ok,M
18	PB167029BL	PP070354.D	07 Mar 2025 13:41	YP\AJ	Ok
19	PB167029BS	PP070355.D	07 Mar 2025 13:57	YP\AJ	Ok
20	Q1437-02	PP070356.D	07 Mar 2025 14:13	YP\AJ	Ok,M
21	Q1437-05	PP070357.D	07 Mar 2025 14:29	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP030725

Review By	yogesh	Review On	3/7/2025 1:29:40 PM		
Supervise By	Ankita	Supervise On	3/10/2025 11:00:00 AM		
SubDirectory	PP030725	HP Acquire Method		HP Processing Method	PP022425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1437-08	PP070358.D	07 Mar 2025 14:46	YP\AJ	Ok,M
23	AR1660CCC500	PP070359.D	07 Mar 2025 15:45	YP\AJ	Ok
24	AR1242CCC500	PP070360.D	07 Mar 2025 16:01	YP\AJ	Ok,M
25	AR1248CCC500	PP070361.D	07 Mar 2025 16:18	YP\AJ	Ok,M
26	AR1254CCC500	PP070362.D	07 Mar 2025 16:34	YP\AJ	Ok,M
27	I.BLK	PP070363.D	07 Mar 2025 16:50	YP\AJ	Ok
28	Q1438-01	PP070364.D	07 Mar 2025 17:06	YP\AJ	Ok,M
29	Q1438-09	PP070365.D	07 Mar 2025 17:23	YP\AJ	Ok,M
30	Q1507-01	PP070366.D	07 Mar 2025 17:39	YP\AJ	Ok,M
31	Q1508-01	PP070367.D	07 Mar 2025 17:55	YP\AJ	Ok,M
32	Q1508-01MS	PP070368.D	07 Mar 2025 18:11	YP\AJ	Ok,M
33	Q1508-01MSD	PP070369.D	07 Mar 2025 18:27	YP\AJ	Ok,M
34	Q1514-01	PP070370.D	07 Mar 2025 18:44	YP\AJ	Ok
35	Q1514-03	PP070371.D	07 Mar 2025 19:00	YP\AJ	Ok,M
36	Q1514-05	PP070372.D	07 Mar 2025 19:16	YP\AJ	Ok,M
37	Q1515-01	PP070373.D	07 Mar 2025 19:32	YP\AJ	Ok,M
38	AR1660CCC500	PP070374.D	07 Mar 2025 20:32	YP\AJ	Ok,M
39	AR1242CCC500	PP070375.D	07 Mar 2025 20:48	YP\AJ	Ok,M
40	AR1248CCC500	PP070376.D	07 Mar 2025 21:04	YP\AJ	Ok,M
41	AR1254CCC500	PP070377.D	07 Mar 2025 21:21	YP\AJ	Ok,M
42	I.BLK	PP070378.D	07 Mar 2025 21:37	YP\AJ	Ok,M
43	Q1516-01	PP070379.D	07 Mar 2025 21:53	YP\AJ	Ok,M
44	Q1516-02	PP070380.D	07 Mar 2025 22:09	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP030725

Review By	yogesh	Review On	3/7/2025 1:29:40 PM		
Supervise By	Ankita	Supervise On	3/10/2025 11:00:00 AM		
SubDirectory	PP030725	HP Acquire Method		HP Processing Method	PP022425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q1518-01	PP070381.D	07 Mar 2025 22:26	YP\AJ	Ok
46	Q1510-01	PP070382.D	07 Mar 2025 22:42	YP\AJ	Ok,M
47	Q1510-02	PP070383.D	07 Mar 2025 22:58	YP\AJ	Ok,M
48	AR1660CCC500	PP070384.D	07 Mar 2025 23:58	YP\AJ	Ok
49	AR1242CCC500	PP070385.D	08 Mar 2025 00:14	YP\AJ	Ok,M
50	AR1248CCC500	PP070386.D	08 Mar 2025 00:30	YP\AJ	Ok,M
51	AR1254CCC500	PP070387.D	08 Mar 2025 00:46	YP\AJ	Ok
52	I.BLK	PP070388.D	08 Mar 2025 01:03	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO109424.D	20 Feb 2025 16:09		YP/AJ	Ok
2	I.BLK	I.BLK	PO109425.D	20 Feb 2025 16:28		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO109426.D	20 Feb 2025 16:46		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO109427.D	20 Feb 2025 17:04		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO109428.D	20 Feb 2025 17:23		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO109429.D	20 Feb 2025 17:41		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO109430.D	20 Feb 2025 17:59		YP/AJ	Ok
8	AR1221ICC500	AR1221ICC500	PO109431.D	20 Feb 2025 18:18		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO109432.D	20 Feb 2025 18:36		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO109433.D	20 Feb 2025 18:55		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO109434.D	20 Feb 2025 19:13		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO109435.D	20 Feb 2025 19:31		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO109436.D	20 Feb 2025 19:50		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO109437.D	20 Feb 2025 20:08		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO109438.D	20 Feb 2025 20:26		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO109439.D	20 Feb 2025 20:45		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO109440.D	20 Feb 2025 21:03		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO109441.D	20 Feb 2025 21:21		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO109442.D	20 Feb 2025 21:40		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO109443.D	20 Feb 2025 21:58		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO109444.D	20 Feb 2025 22:17		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO109445.D	20 Feb 2025 22:35		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO109446.D	20 Feb 2025 22:53		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO109447.D	20 Feb 2025 23:12		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO109448.D	20 Feb 2025 23:30		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO109449.D	20 Feb 2025 23:48		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO109450.D	21 Feb 2025 00:07		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO109451.D	21 Feb 2025 00:25		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO109452.D	21 Feb 2025 00:43		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO109453.D	21 Feb 2025 01:02		YP/AJ	Ok
31	PO022025ICV500	ICVPO022025	PO109454.D	21 Feb 2025 01:20		YP/AJ	Ok
32	AR1242ICV500	ICVPO022025AR1242	PO109455.D	21 Feb 2025 01:38		YP/AJ	Ok
33	AR1248ICV500	ICVPO022025AR1248	PO109456.D	21 Feb 2025 01:57		YP/AJ	Ok
34	AR1254ICV500	ICVPO022025AR1254	PO109457.D	21 Feb 2025 02:15		YP/AJ	Ok
35	AR1268ICV500	ICVPO022025AR1268	PO109458.D	21 Feb 2025 02:34		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO030725

Review By	yogesh	Review On	3/10/2025 10:54:39 AM		
Supervise By	Ankita	Supervise On	3/10/2025 10:55:05 AM		
SubDirectory	PO030725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO109697.D	07 Mar 2025 08:40		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO109698.D	07 Mar 2025 08:58		YP/AJ	Ok
3	I.BLK	I.BLK	PO109699.D	07 Mar 2025 09:17		YP/AJ	Ok
4	Q1437-07DL	K084-13BDL	PO109700.D	07 Mar 2025 09:36	AR1254 + AR1268 Hit	YP/AJ	Ok
5	Q1438-03DL	K084-15CDL	PO109701.D	07 Mar 2025 09:55	AR1254 + AR1268 Hit, All Surrogate Fai	YP/AJ	Ok
6	Q1438-05DL	K084-16CDL	PO109702.D	07 Mar 2025 10:12	AR1254 + AR1268 Hit, DCB High in both column, TCMX high in 2nd column	YP/AJ	Ok
7	Q1433-06DL	K084-2CDL	PO109703.D	07 Mar 2025 10:29	AR1254 + AR1268 Hit	YP/AJ	Ok
8	Q1433-09DL	K084-3CDL	PO109704.D	07 Mar 2025 10:48	AR1254 + AR1268 Hit	YP/AJ	Ok
9	Q1434-02DL	K084-4CDL	PO109705.D	07 Mar 2025 11:06	Reanalyzed in this sequence	YP/AJ	Not Ok
10	Q1434-05DL	K084-5CDL	PO109706.D	07 Mar 2025 11:24	AR1254 + AR1268 Hit, TCMX High in both column	YP/AJ	Ok
11	Q1434-07DL	K084-6CDL	PO109707.D	07 Mar 2025 11:43	AR1254 + AR1268 Hit, DCB High in both column	YP/AJ	Ok
12	AR1660CCC500	AR1660CCC500	PO109708.D	07 Mar 2025 12:30		YP/AJ	Ok
13	AR1242CCC500	AR1242CCC500	PO109709.D	07 Mar 2025 12:48		YP/AJ	Ok
14	AR1248CCC500	AR1248CCC500	PO109710.D	07 Mar 2025 13:05		YP/AJ	Ok
15	AR1254CCC500	AR1254CCC500	PO109711.D	07 Mar 2025 13:24		YP/AJ	Ok
16	I.BLK	I.BLK	PO109712.D	07 Mar 2025 13:42		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO030725

Review By	yogesh	Review On	3/10/2025 10:54:39 AM		
Supervise By	Ankita	Supervise On	3/10/2025 10:55:05 AM		
SubDirectory	PO030725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	PB167025BL	PB167025BL	PO109713.D	07 Mar 2025 14:00		YP/AJ	Ok
18	PB167025BS	PB167025BS	PO109714.D	07 Mar 2025 14:19		YP/AJ	Ok
19	Q1509-01	HIH088X-1-1	PO109715.D	07 Mar 2025 14:37	AR1254 Hit	YP/AJ	Ok,M
20	Q1509-02	HIH088X-1-2	PO109716.D	07 Mar 2025 14:56	AR1254 hit	YP/AJ	Ok,M
21	Q1520-01	BC248121-1-1	PO109717.D	07 Mar 2025 15:14	AR1254 hit	YP/AJ	Ok,M
22	Q1520-02	BC248121-1-2	PO109718.D	07 Mar 2025 15:32		YP/AJ	Ok,M
23	Q1520-03	BC260492-1-1	PO109719.D	07 Mar 2025 15:51		YP/AJ	Ok,M
24	Q1520-04	BC260492-1-2	PO109720.D	07 Mar 2025 16:09		YP/AJ	Ok,M
25	Q1520-05	JEH488H-1-1	PO109721.D	07 Mar 2025 16:28		YP/AJ	Ok,M
26	Q1520-06	JEH488H-1-2	PO109722.D	07 Mar 2025 16:46		YP/AJ	Ok,M
27	AR1660CCC500	AR1660CCC500	PO109723.D	07 Mar 2025 17:33		YP/AJ	Ok
28	AR1242CCC500	AR1242CCC500	PO109724.D	07 Mar 2025 17:50		YP/AJ	Ok
29	AR1248CCC500	AR1248CCC500	PO109725.D	07 Mar 2025 18:08		YP/AJ	Ok
30	AR1254CCC500	AR1254CCC500	PO109726.D	07 Mar 2025 18:27		YP/AJ	Ok
31	I.BLK	I.BLK	PO109727.D	07 Mar 2025 18:45		YP/AJ	Ok
32	PB167028BL	PB167028BL	PO109728.D	07 Mar 2025 19:04		YP/AJ	Ok
33	PB167028BS	PB167028BS	PO109729.D	07 Mar 2025 19:22		YP/AJ	Ok
34	PB167028BSD	PB167028BSD	PO109730.D	07 Mar 2025 19:40		YP/AJ	Ok
35	Q1514-07	ENV-105-GW01	PO109731.D	07 Mar 2025 19:59		YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO030725

Review By	yogesh	Review On	3/10/2025 10:54:39 AM		
Supervise By	Ankita	Supervise On	3/10/2025 10:55:05 AM		
SubDirectory	PO030725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q1514-08	ENV-103-GW01	PO109732.D	07 Mar 2025 20:17		YP/AJ	Ok
37	Q1514-09	FB03062025	PO109733.D	07 Mar 2025 20:35		YP/AJ	Ok
38	Q1516-03	GAS-AUD-25-0026	PO109734.D	07 Mar 2025 20:54		YP/AJ	Ok
39	Q1517-01	MOO-25-0062	PO109735.D	07 Mar 2025 21:12		YP/AJ	Ok,M
40	Q1434-02DL	K084-4CDL	PO109736.D	07 Mar 2025 21:31	AR1254 + AR1268 Hit	YP/AJ	Ok,M
41	AR1660CCC500	AR1660CCC500	PO109737.D	07 Mar 2025 22:17		YP/AJ	Ok
42	AR1242CCC500	AR1242CCC500	PO109738.D	07 Mar 2025 22:36		YP/AJ	Ok
43	AR1248CCC500	AR1248CCC500	PO109739.D	07 Mar 2025 22:54		YP/AJ	Ok
44	AR1254CCC500	AR1254CCC500	PO109740.D	07 Mar 2025 23:11		YP/AJ	Ok
45	I.BLK	I.BLK	PO109741.D	07 Mar 2025 23:30		YP/AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM		
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM		
SubDirectory	PP022425	HP Acquire Method		HP Processing Method	PP022425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP069994.D	24 Feb 2025 14:27		YP\AJ	Ok
2	I.BLK	I.BLK	PP069995.D	24 Feb 2025 14:43		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP069996.D	24 Feb 2025 14:59		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP069997.D	24 Feb 2025 15:15		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP069998.D	24 Feb 2025 15:32		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP069999.D	24 Feb 2025 15:48		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP070000.D	24 Feb 2025 16:04		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP070001.D	24 Feb 2025 16:20		YP\AJ	Ok,M
9	AR1232ICC500	AR1232ICC500	PP070002.D	24 Feb 2025 16:37		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP070003.D	24 Feb 2025 16:53		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP070004.D	24 Feb 2025 17:09		YP\AJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP070005.D	24 Feb 2025 17:25		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP070006.D	24 Feb 2025 17:42		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP070007.D	24 Feb 2025 17:58		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP070008.D	24 Feb 2025 18:14		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP070009.D	24 Feb 2025 18:30		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP070010.D	24 Feb 2025 18:46		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP070011.D	24 Feb 2025 19:03		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM		
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM		
SubDirectory	PP022425	HP Acquire Method		HP Processing Method	PP022425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PP070012.D	24 Feb 2025 19:19		YP\AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP070013.D	24 Feb 2025 19:35		YP\AJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP070014.D	24 Feb 2025 19:51		YP\AJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP070015.D	24 Feb 2025 20:08		YP\AJ	Ok
23	AR1254ICC250	AR1254ICC250	PP070016.D	24 Feb 2025 20:24		YP\AJ	Ok
24	AR1254ICC050	AR1254ICC050	PP070017.D	24 Feb 2025 20:40		YP\AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP070018.D	24 Feb 2025 20:56		YP\AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP070019.D	24 Feb 2025 21:12		YP\AJ	Ok
27	AR1268ICC750	AR1268ICC750	PP070020.D	24 Feb 2025 21:29		YP\AJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP070021.D	24 Feb 2025 21:45		YP\AJ	Ok
29	AR1268ICC250	AR1268ICC250	PP070022.D	24 Feb 2025 22:01		YP\AJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP070023.D	24 Feb 2025 22:17		YP\AJ	Ok,M
31	PP022425ICV500	ICVPP022425	PP070024.D	24 Feb 2025 22:34		YP\AJ	Ok
32	AR1242ICV500	ICVPP022425AR1242	PP070025.D	24 Feb 2025 22:50		YP\AJ	Ok
33	AR1248ICV500	ICVPP022425AR1248	PP070026.D	24 Feb 2025 23:06		YP\AJ	Ok
34	AR1254ICV500	ICVPP022425AR1254	PP070027.D	24 Feb 2025 23:22		YP\AJ	Ok
35	AR1268ICV500	ICVPP022425AR1268	PP070028.D	24 Feb 2025 23:38		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP030725

Review By	yogesh	Review On	3/7/2025 1:29:40 PM		
Supervise By	Ankita	Supervise On	3/10/2025 11:00:00 AM		
SubDirectory	PP030725	HP Acquire Method		HP Processing Method	PP022425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070337.D	07 Mar 2025 08:41		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP070338.D	07 Mar 2025 08:57		YP\AJ	Ok
3	I.BLK	I.BLK	PP070339.D	07 Mar 2025 09:15		YP\AJ	Ok
4	Q1434-10DL	K084-7CDL	PP070340.D	07 Mar 2025 09:32	AR1254 + AR1268 Hit	YP\AJ	Ok,M
5	Q1436-02DL	K084-8BDL	PP070341.D	07 Mar 2025 09:48	AR1254 + AR1268 Hit	YP\AJ	Ok,M
6	Q1436-08DL	K084-10BDL	PP070342.D	07 Mar 2025 10:04	AR1254 + AR1268 Hit, Need dilution	YP\AJ	Dilution
7	Q1436-08DL2	K084-10BDL2	PP070343.D	07 Mar 2025 10:20	AR1254 + AR1268 Hit	YP\AJ	Ok,M
8	AR1660CCC500	AR1660CCC500	PP070344.D	07 Mar 2025 10:58		YP\AJ	Ok
9	AR1242CCC500	AR1242CCC500	PP070345.D	07 Mar 2025 11:14		YP\AJ	Ok
10	AR1248CCC500	AR1248CCC500	PP070346.D	07 Mar 2025 11:31		YP\AJ	Ok
11	AR1254CCC500	AR1254CCC500	PP070347.D	07 Mar 2025 11:47		YP\AJ	Ok,M
12	I.BLK	I.BLK	PP070348.D	07 Mar 2025 12:03		YP\AJ	Ok
13	PB167005BL	PB167005BL	PP070349.D	07 Mar 2025 12:19		YP\AJ	Ok
14	Q1472-01	40308	PP070350.D	07 Mar 2025 12:36	TCMX High 2nd column	YP\AJ	Ok,M
15	Q1437-01DL	K084-11BDL	PP070351.D	07 Mar 2025 12:52	AR1254 + AR1268 Hit, DCB High in both column, TCMX high in 2nd column	YP\AJ	Ok,M
16	Q1437-04DL	K084-12BDL	PP070352.D	07 Mar 2025 13:08	AR1254 + AR1268 Hit, Need dilution 20x	YP\AJ	Dilution

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP030725

Review By	yogesh	Review On	3/7/2025 1:29:40 PM		
Supervise By	Ankita	Supervise On	3/10/2025 11:00:00 AM		
SubDirectory	PP030725	HP Acquire Method		HP Processing Method	PP022425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	Q1437-04DL2	K084-12BDL2	PP070353.D	07 Mar 2025 13:24	AR1254 + AR1268 Hit, All Surrogate High	YP\AJ	Ok,M
18	PB167029BL	PB167029BL	PP070354.D	07 Mar 2025 13:41		YP\AJ	Ok
19	PB167029BS	PB167029BS	PP070355.D	07 Mar 2025 13:57		YP\AJ	Ok
20	Q1437-02	K084-11C	PP070356.D	07 Mar 2025 14:13	AR1254 + AR1268 Hit,	YP\AJ	Ok,M
21	Q1437-05	K084-12C	PP070357.D	07 Mar 2025 14:29	AR1254 + AR1268 Hit	YP\AJ	Ok
22	Q1437-08	K084-13C	PP070358.D	07 Mar 2025 14:46	AR1254 + AR1268 Hit	YP\AJ	Ok,M
23	AR1660CCC500	AR1660CCC500	PP070359.D	07 Mar 2025 15:45		YP\AJ	Ok
24	AR1242CCC500	AR1242CCC500	PP070360.D	07 Mar 2025 16:01		YP\AJ	Ok,M
25	AR1248CCC500	AR1248CCC500	PP070361.D	07 Mar 2025 16:18		YP\AJ	Ok,M
26	AR1254CCC500	AR1254CCC500	PP070362.D	07 Mar 2025 16:34		YP\AJ	Ok,M
27	I.BLK	I.BLK	PP070363.D	07 Mar 2025 16:50		YP\AJ	Ok
28	Q1438-01	K084-14C	PP070364.D	07 Mar 2025 17:06	AR1254 + AR1268 Hit	YP\AJ	Ok,M
29	Q1438-09	K084-DUP4	PP070365.D	07 Mar 2025 17:23	AR1254 Hit	YP\AJ	Ok,M
30	Q1507-01	50-MIDDLESEX-AVE	PP070366.D	07 Mar 2025 17:39	AR1254 Hit	YP\AJ	Ok,M
31	Q1508-01	RBR251372	PP070367.D	07 Mar 2025 17:55	AR1254 Hit	YP\AJ	Ok,M
32	Q1508-01MS	RBR251372MS	PP070368.D	07 Mar 2025 18:11		YP\AJ	Ok,M
33	Q1508-01MSD	RBR251372MSD	PP070369.D	07 Mar 2025 18:27		YP\AJ	Ok,M
34	Q1514-01	ENV-105-SB01	PP070370.D	07 Mar 2025 18:44		YP\AJ	Ok
35	Q1514-03	ENV-105-SB02	PP070371.D	07 Mar 2025 19:00		YP\AJ	Ok,M

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP030725

Review By	yogesh	Review On	3/7/2025 1:29:40 PM		
Supervise By	Ankita	Supervise On	3/10/2025 11:00:00 AM		
SubDirectory	PP030725	HP Acquire Method		HP Processing Method	PP022425

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q1514-05	ENV-103-SB01	PP070372.D	07 Mar 2025 19:16	AR1254 + AR1260 Hit	YP\AJ	Ok,M
37	Q1515-01	AU-06-030625	PP070373.D	07 Mar 2025 19:32		YP\AJ	Ok,M
38	AR1660CCC500	AR1660CCC500	PP070374.D	07 Mar 2025 20:32		YP\AJ	Ok,M
39	AR1242CCC500	AR1242CCC500	PP070375.D	07 Mar 2025 20:48		YP\AJ	Ok,M
40	AR1248CCC500	AR1248CCC500	PP070376.D	07 Mar 2025 21:04		YP\AJ	Ok,M
41	AR1254CCC500	AR1254CCC500	PP070377.D	07 Mar 2025 21:21		YP\AJ	Ok,M
42	I.BLK	I.BLK	PP070378.D	07 Mar 2025 21:37		YP\AJ	Ok,M
43	Q1516-01	GAS-AUD-25-0004	PP070379.D	07 Mar 2025 21:53	AR1254 Hit	YP\AJ	Ok,M
44	Q1516-02	GAS-AUD-25-0025	PP070380.D	07 Mar 2025 22:09		YP\AJ	Ok,M
45	Q1518-01	OILY-DEBRIS-COMP	PP070381.D	07 Mar 2025 22:26		YP\AJ	Ok
46	Q1510-01	FMC-25-0001-0005	PP070382.D	07 Mar 2025 22:42	DCB High in 2nd column	YP\AJ	Ok,M
47	Q1510-02	FMC-25-0006	PP070383.D	07 Mar 2025 22:58	DCB High in 2nd column,	YP\AJ	Ok,M
48	AR1660CCC500	AR1660CCC500	PP070384.D	07 Mar 2025 23:58		YP\AJ	Ok
49	AR1242CCC500	AR1242CCC500	PP070385.D	08 Mar 2025 00:14		YP\AJ	Ok,M
50	AR1248CCC500	AR1248CCC500	PP070386.D	08 Mar 2025 00:30		YP\AJ	Ok,M
51	AR1254CCC500	AR1254CCC500	PP070387.D	08 Mar 2025 00:46		YP\AJ	Ok
52	I.BLK	I.BLK	PP070388.D	08 Mar 2025 01:03		YP\AJ	Ok

M : Manual Integration

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EXTRACTION LOGPAGE

PB167028

SOP ID:	M3510C,3580A-Extraction PCB-14				
Clean Up SOP #:	Acid Cleanup			**Extraction Start Date :**	03/07/2025
Matrix :	Water			**Extraction Start Time :**	09:15
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	03/07/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	14:00
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24209
Surrogate	1.0ML	200 PPB	PP24217
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	E3878
Baked Na2SO4	N/A	EP2590
Hexane	N/A	E3877
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40BTS721. Q1514-09 Limited volume received & Q1517-01 used Limited volume as sample is oily.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/7/25	RS (EHA lab)	Y.P.PESTICB
14:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167028

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Analytical Method: M3510C,3580A-Extraction PCB-14 **Concentration Date:** 03/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167028BL	ABLK028	PCB	1000	6	RUPESH	ritesh	10			SEP-1
PB167028BS	ALCS028	PCB	1000	6	RUPESH	ritesh	10			2
PB167028BSD	ALCSD028	PCB	1000	6	RUPESH	ritesh	10			3
Q1514-07	ENV-105-GW01	PCB	970	6	RUPESH	ritesh	10	H		4
Q1514-08	ENV-103-GW01	PCB	980	6	RUPESH	ritesh	10	H		5
Q1514-09	FB03062025	PCB	380	6	RUPESH	ritesh	5	G		6
Q1516-03	GAS-AUD-25-0026	PCB	950	6	RUPESH	ritesh	10	E		7
Q1517-01	MOO-25-0062	PCB	100	6	RUPESH	ritesh	10	E		8

RS
3/7

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

Q1517 3/7/25 9:15

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1517 **WorkList ID :** 188099 **Department :** Extraction **Date :** 03-07-2025 08:16:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1514-07	ENV-105-GW01	Water	PCB	Cool 4 deg C	PORT06	I31	03/05/2025	8082A
Q1514-08	ENV-103-GW01	Water	PCB	Cool 4 deg C	PORT06	I31	03/05/2025	8082A
Q1514-09	FB03062025	Water	PCB	Cool 4 deg C	PORT06	I31	03/05/2025	8082A
Q1516-03	GAS-AUD-25-0026	Water	PCB	Cool 4 deg C	PSEG03	I21	03/06/2025	8082A
Q1517-01	MOO-25-0062	Water	PCB	Cool 4 deg C	PSEG03	I31	03/06/2025	8082A

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Date/Time 3/7/25 9:10
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by: CR

Date/Time 3/7/25 9:40
Raw Sample Received by: CR
Raw Sample Relinquished by: RS (Ext Lab)

L K J I H G F E D C B A 10

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167029

10

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 03/07/2025

Extraction Start Time : 08:25

Extraction End Date : 03/07/2025

Extraction End Time : 11:30

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24209
Surrogate	1.0ML	200 PPB	PP24217
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	EP2592
Baked Na2SO4	N/A	EP2590
Sand	N/A	E2865
H2SO4 1:1	N/A	EP2565
Hexane	N/A	E3877
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. Q1510-01,02 used Limited volume as samples are Oily debris & Oil.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/7/25	RS (Ext lab)	T.P. Prep/PCL
11:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167029

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167029BL	ABLK029	PCB Group1	30.01	N/A	ritesh	Evelyn	10			U6-1
PB167029BS	ALCS029	PCB Group1	30.03	N/A	ritesh	Evelyn	10			2
Q1437-02	K084-11C	PCB Group1	30.07	N/A	ritesh	Evelyn	10			3
Q1437-05	K084-12C	PCB Group1	30.03	N/A	ritesh	Evelyn	10			4
Q1437-08	K084-13C	PCB Group1	30.05	N/A	ritesh	Evelyn	10			5
Q1438-01	K084-14C	PCB Group1	30.02	N/A	ritesh	Evelyn	10			6
Q1438-09	K084-DUP4	PCB Group1	30.08	N/A	ritesh	Evelyn	10			U3-1
Q1507-01	50-MIDDLESEX-AVE	PCB	30.06	N/A	ritesh	Evelyn	10	E		2
Q1508-01	RBR251372	PCB	30.02	N/A	ritesh	Evelyn	10	E		3
Q1508-01MS	RBR251372MS	PCB	30.05	N/A	ritesh	Evelyn	10	E		4
Q1508-01MSD	RBR251372MSD	PCB	30.04	N/A	ritesh	Evelyn	10	E		5
Q1510-01	FMC-25-0001-0005	PCB	5.07	N/A	ritesh	Evelyn	10	E	Oily Debris+S. Particles	6
Q1510-02	FMC-25-0006	PCB	1.03	N/A	ritesh	Evelyn	10	A	Oil	
Q1514-01	ENV-105-SB01	PCB	30.03	N/A	ritesh	Evelyn	10	E		U2-1
Q1514-03	ENV-105-SB02	PCB	30.05	N/A	ritesh	Evelyn	10	E		2
Q1514-05	ENV-103-SB01	PCB	30.06	N/A	ritesh	Evelyn	10	E		3
Q1515-01	AU-06-030625	PCB	30.04	N/A	ritesh	Evelyn	10	E		4
Q1516-01	GAS-AUD-25-0004	PCB	30.02	N/A	ritesh	Evelyn	10	B	Small Particles	5
Q1516-02	GAS-AUD-25-0025	PCB	30.01	N/A	ritesh	Evelyn	10	B	Small Particles	6
Q1518-01	OILY-DEBRIS-COMP	PCB	30.07	N/A	ritesh	Evelyn	10	E		U7-1

RS 3/7

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

Q1514

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1507 **WorkList ID :** 188098 **Department :** Extraction **Date :** 03-07-2025 08:16:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1437-02	K084-11C	Solid	PCB Group1	Cool 4 deg C	ATCE02	H11	02/25/2025	8082A
Q1437-05	K084-12C	Solid	PCB Group1	Cool 4 deg C	ATCE02	H11	02/25/2025	8082A
Q1437-08	K084-13C	Solid	PCB Group1	Cool 4 deg C	ATCE02	H11	02/25/2025	8082A
Q1438-01	K084-14C	Solid	PCB Group1	Cool 4 deg C	ATCE02	H11	02/25/2025	8082A
Q1438-09	K084-DUP4	Solid	PCB Group1	Cool 4 deg C	ATCE02	H11	02/25/2025	8082A
Q1507-01	50-MIDDLESEX-AVE	Solid	PCB	Cool 4 deg C	PSEG03	I21	03/06/2025	8082A
Q1508-01	RBR251372	Solid	PCB	Cool 4 deg C	PSEG03	I21	03/06/2025	8082A
Q1510-01	FMC-25-0001-0005	Solid	PCB	Cool 4 deg C	PSEG03	I21	03/06/2025	8082A
Q1510-02	FMC-25-0006	Solid	PCB	Cool 4 deg C	PSEG03	I21	03/06/2025	8082A
Q1514-01	ENV-105-SB01	Solid	PCB	Cool 4 deg C	PORT06	I31	03/05/2025	8082A
Q1514-03	ENV-105-SB02	Solid	PCB	Cool 4 deg C	PORT06	I31	03/05/2025	8082A
Q1514-05	ENV-103-SB01	Solid	PCB	Cool 4 deg C	PORT06	I31	03/05/2025	8082A
Q1515-01	AU-06-030625	Solid	PCB	Cool 4 deg C	PSEG05	I21	03/06/2025	8082A
Q1516-01	GAS-AUD-25-0004	Solid	PCB	Cool 4 deg C	PSEG03	I21	03/06/2025	8082A
Q1516-02	GAS-AUD-25-0025	Solid	PCB	Cool 4 deg C	PSEG03	I21	03/06/2025	8082A
Q1518-01	OILY-DEBRIS-COMP	Solid	PCB	Cool 4 deg C	PSEG03	I21	03/06/2025	8082A

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Date/Time 3/7/25 8:20
Raw Sample Received by: RJ (EXT lab)
Raw Sample Relinquished by:

Date/Time 3/7/25 8:50
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EXT. lab)

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LAB CHRONICLE

OrderID:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-01	**ENV-105-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
Q1514-03	**ENV-105-SB02**	**SOIL**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
Q1514-05	**ENV-103-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
Q1514-07	**ENV-105-GW01**	**WATER**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
Q1514-08	**ENV-103-GW01**	**WATER**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
Q1514-09	**FB03062025**	**WATER**			**03/06/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1514 **Order ID:** Q1514

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/11/25
Client Sample ID:	PB167020TB	SDG No.:	Q1514
Lab Sample ID:	PB167020TB	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
PS029399.D	1	03/11/25 11:30	03/12/25 10:45	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	525		70 (39) - 130 (175)	105%	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-02	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
PS029411.D	1	03/11/25 11:30	03/12/25 15:51	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	593		70 (39) - 130 (175)	119%	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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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-04	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
PS029412.D	1	03/11/25 11:30	03/12/25 16:15	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	579		70 (39) - 130 (175)	116%	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

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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-06	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
PS029413.D	1	03/11/25 11:30	03/12/25 16:39	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	9.20	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	7.80	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	587		70 (39) - 130 (175)	117%	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,
Fax : 908 789 8922

Surrogate Summary

SDG No.: Q1514

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-PS029233.D	PIBLK-PS029233.D	2,4-DCAA	1	500	476	95		70 (39)	130 (175)
		2,4-DCAA	2	500	494	99		70 (39)	130 (175)
I.BLK-PS029395.D	PIBLK-PS029395.D	2,4-DCAA	1	500	500	100		70 (39)	130 (175)
		2,4-DCAA	2	500	478	96		70 (39)	130 (175)
PB167090BL	PB167090BL	2,4-DCAA	1	500	482	96		70 (39)	130 (175)
		2,4-DCAA	2	500	427	85		70 (39)	130 (175)
PB167090BS	PB167090BS	2,4-DCAA	1	500	521	104		70 (39)	130 (175)
		2,4-DCAA	2	500	469	94		70 (39)	130 (175)
PB167020TB	PB167020TB	2,4-DCAA	1	500	525	105		70 (39)	130 (175)
		2,4-DCAA	2	500	417	83		70 (39)	130 (175)
Q1488-02MS	ENV-101-SB01MS	2,4-DCAA	1	500	489	98		70 (39)	130 (175)
		2,4-DCAA	2	500	365	73		70 (39)	130 (175)
Q1488-02MSD	ENV-101-SB01MSD	2,4-DCAA	1	500	483	97		70 (39)	130 (175)
		2,4-DCAA	2	500	356	71		70 (39)	130 (175)
I.BLK-PS029404.D	PIBLK-PS029404.D	2,4-DCAA	1	500	502	100		70 (39)	130 (175)
		2,4-DCAA	2	500	486	97		70 (39)	130 (175)
Q1514-02	ENV-105-SB01	2,4-DCAA	1	500	593	119		70 (39)	130 (175)
		2,4-DCAA	2	500	437	87		70 (39)	130 (175)
Q1514-04	ENV-105-SB02	2,4-DCAA	1	500	579	116		70 (39)	130 (175)
		2,4-DCAA	2	500	444	89		70 (39)	130 (175)
Q1514-06	ENV-103-SB01	2,4-DCAA	1	500	587	117		70 (39)	130 (175)
		2,4-DCAA	2	500	429	86		70 (39)	130 (175)
I.BLK-PS029416.D	PIBLK-PS029416.D	2,4-DCAA	1	500	502	100		70 (39)	130 (175)
		2,4-DCAA	2	500	493	99		70 (39)	130 (175)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8151A **DataFile :** PS029402.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**ENV-101-SB01MS**											
Q1488-02MS	2,4-D	50	0	52.7	ug/L	105				70 (65)	130 (135)	
	2,4,5-TP(Silvex)	50	0	70.2	ug/L	140	*			70 (62)	130 (139)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8151A **DataFile :** PS029403.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:	**ENV-101-SB01MSD**											
Q1488-02MSD	2,4-D	50	0	53.1	ug/L	106		1		70 (65)	130 (135)	20 (20)
	2,4,5-TP(Silvex)	50	0	75.8	ug/L	152	*	8		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.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8151A **Datafile :** PS029398.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167090BS	2,4-D	5	4.80	ug/L	96				70 (83)	130 (130)	
	2,4,5-TP(Silvex)	5	5.10	ug/L	102				70 (78)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167090BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab Sample ID: PB167090BL Lab File ID: PS029397.D

Matrix: (soil/water) water Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 03/11/2025

Date Analyzed (1): 03/12/2025 Date Analyzed (2): 03/12/2025

Time Analyzed (1): 09:57 Time Analyzed (2): 09:57

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
PB167090BS	PB167090BS	PS029398.D	03/12/2025	03/12/2025
PB167020TB	PB167020TB	PS029399.D	03/12/2025	03/12/2025
ENV-101-SB01MS	Q1488-02MS	PS029402.D	03/12/2025	03/12/2025
ENV-101-SB01MSD	Q1488-02MSD	PS029403.D	03/12/2025	03/12/2025
ENV-105-SB01	Q1514-02	PS029411.D	03/12/2025	03/12/2025
ENV-105-SB02	Q1514-04	PS029412.D	03/12/2025	03/12/2025
ENV-103-SB01	Q1514-06	PS029413.D	03/12/2025	03/12/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167090BL	SDG No.:	Q1514
Lab Sample ID:	PB167090BL	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
PS029397.D	1	03/11/25 11:30	03/12/25 09:57	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	482		70 (39) - 130 (175)	96%	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:	02/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/21/25
Client Sample ID:	PIBLK-PS029233.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PS029233.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
PS029233.D	1		02/21/25	ps022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	494		70 (39) - 130 (175)	99%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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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:	03/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/12/25
Client Sample ID:	PIBLK-PS029395.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PS029395.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
PS029395.D	1		03/12/25	ps031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	500		70 (39) - 130 (175)	100%	SPK: 500

Comments:

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LOQ = Limit of Quantitation
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/12/25
Client Sample ID:	PIBLK-PS029404.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PS029404.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
PS029404.D	1		03/12/25	ps031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	502		70 (39) - 130 (175)	100%	SPK: 500

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
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/12/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/12/25
Client Sample ID:	PIBLK-PS029416.D	SDG No.:	Q1514
Lab Sample ID:	I.BLK-PS029416.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
PS029416.D	1		03/12/25	ps031225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	502		70 (39) - 130 (175)	100%	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
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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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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167090BS	SDG No.:	Q1514
Lab Sample ID:	PB167090BS	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
PS029398.D	1	03/11/25 11:30	03/12/25 10:21	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.80		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.10		0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	521		70 (39) - 130 (175)	104%	SPK: 500

Comments:

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LOQ = Limit of Quantitation
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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
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:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1514
Lab Sample ID:	Q1488-02MS	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
PS029402.D	1	03/11/25 11:30	03/12/25 12:14	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	52.7		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	70.2	P	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	489		70 (39) - 130 (175)	98%	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:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1514
Lab Sample ID:	Q1488-02MSD	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
PS029403.D	1	03/11/25 11:30	03/12/25 12:38	PB167090

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	53.1		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	75.8	P	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	483		70 (39) - 130 (175)	97%	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

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

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

Calibration Times: 19:56 21:32

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS029234.D RT 500 = PS029235.D

RT 750 = PS029236.D RT 1000 = PS029237.D RT 1500 = PS029238.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)	9.14	9.14	9.14	9.14	9.14	9.14	9.04	9.24
2,4-D	8.27	8.27	8.27	8.27	8.27	8.27	8.17	8.37
2,4-DCAA	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

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

Calibration Times: 19:56 21:32

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS029234.D RT 500 = PS029235.D

RT 750 = PS029236.D RT 1000 = PS029237.D RT 1500 = PS029238.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)	9.76	9.76	9.76	9.76	9.76	9.76	9.66	9.86
2,4-D	8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
2,4-DCAA	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

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

Calibration Times: 19:56 21:32

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS029234.D **CF 500 =** PS029235.D

CF 750 = PS029236.D **CF 1000 =** PS029237.D **CF 1500 =** PS029238.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	28468600000	25326000000	23950000000	23359600000	21830500000	24586900000	10
2,4-D	5578960000	4794680000	4576300000	4498750000	4303460000	4750430000	10
2,4-DCAA	4834500000	4175340000	3953240000	3904380000	3735430000	4120580000	10

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

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

Calibration Times: 19:56 21:32

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS029234.D **CF 500 =** PS029235.D

CF 750 = PS029236.D **CF 1000 =** PS029237.D **CF 1500 =** PS029238.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	9297750000	9072730000	8996050000	9011120000	8805850000	9036700000	2
2,4-D	1363000000	1257020000	1239960000	1254990000	1234500000	1269900000	4
2,4-DCAA	1014780000	934728000	917942000	923871000	910342000	940333000	5

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 09:27 **Initial Calibration Time(s):** 19:56 21:32

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.16	7.16	7.06	7.26	0.00
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.13	9.14	9.04	9.24	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 09:27 **Initial Calibration Time(s):** 19:56 21:32

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
2,4-D	8.85	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.74	9.76	9.66	9.86	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/12/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029396.D **Time Analyzed:** 09:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.132	9.038	9.238	754.570	712.500	5.9
2,4-D	8.267	8.171	8.371	724.490	705.000	2.8
2,4-DCAA	7.156	7.060	7.260	777.430	750.000	3.7

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/12/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029396.D **Time Analyzed:** 09:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.741	9.656	9.856	742.300	712.500	4.2
2,4-D	8.848	8.761	8.961	701.440	705.000	-0.5
2,4-DCAA	7.620	7.532	7.732	730.650	750.000	-2.6

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 13:26 **Initial Calibration Time(s):** 19:56 21:32

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.16	7.16	7.06	7.26	0.00
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.13	9.14	9.04	9.24	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 13:26 **Initial Calibration Time(s):** 19:56 21:32

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
2,4-D	8.85	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.74	9.76	9.66	9.86	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/12/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029405.D **Time Analyzed:** 13:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.132	9.038	9.238	769.220	712.500	8.0
2,4-D	8.266	8.171	8.371	737.740	705.000	4.6
2,4-DCAA	7.155	7.060	7.260	795.560	750.000	6.1

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/12/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029405.D **Time Analyzed:** 13:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.741	9.656	9.856	758.770	712.500	6.5
2,4-D	8.847	8.761	8.961	719.310	705.000	2.0
2,4-DCAA	7.619	7.532	7.732	746.890	750.000	-0.4

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 18:15 **Initial Calibration Time(s):** 19:56 21:32

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.15	7.16	7.06	7.26	0.01
2,4-D	8.27	8.27	8.17	8.37	0.00
2,4,5-TP(Silvex)	9.13	9.14	9.04	9.24	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Continuing Calib Date: 03/12/2025 **Initial Calibration Date(s):** 02/21/2025 02/21/2025

Continuing Calib Time: 18:15 **Initial Calibration Time(s):** 19:56 21:32

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.62	7.63	7.53	7.73	0.01
2,4-D	8.85	8.86	8.76	8.96	0.01
2,4,5-TP(Silvex)	9.74	9.76	9.66	9.86	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/12/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029417.D **Time Analyzed:** 18:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.131	9.038	9.238	768.960	712.500	7.9
2,4-D	8.267	8.171	8.371	735.450	705.000	4.3
2,4-DCAA	7.154	7.060	7.260	797.340	750.000	6.3

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CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 02/21/2025 02/21/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/12/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS029417.D **Time Analyzed:** 18:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.739	9.656	9.856	761.330	712.500	6.9
2,4-D	8.846	8.761	8.961	720.000	705.000	2.1
2,4-DCAA	7.619	7.532	7.732	749.630	750.000	0.0

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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/21/2025 02/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	02/21/2025	19:32	PS029233.D	7.16	0.00
HSTDICC200	HSTDICC200	02/21/2025	19:56	PS029234.D	7.16	0.00
HSTDICC500	HSTDICC500	02/21/2025	20:20	PS029235.D	7.16	0.00
HSTDICC750	HSTDICC750	02/21/2025	20:44	PS029236.D	7.16	0.00
HSTDICC1000	HSTDICC1000	02/21/2025	21:08	PS029237.D	7.16	0.00
HSTDICC1500	HSTDICC1500	02/21/2025	21:32	PS029238.D	7.16	0.00
I.BLK	I.BLK	03/12/2025	09:03	PS029395.D	7.16	0.00
HSTDCCC750	HSTDCCC750	03/12/2025	09:27	PS029396.D	7.16	0.00
PB167090BL	PB167090BL	03/12/2025	09:57	PS029397.D	7.16	0.00
PB167090BS	PB167090BS	03/12/2025	10:21	PS029398.D	7.16	0.00
PB167020TB	PB167020TB	03/12/2025	10:45	PS029399.D	7.15	0.00
ENV-101-SB01MS	Q1488-02MS	03/12/2025	12:14	PS029402.D	7.16	0.00
ENV-101-SB01MSD	Q1488-02MSD	03/12/2025	12:38	PS029403.D	7.16	0.00
I.BLK	I.BLK	03/12/2025	13:02	PS029404.D	7.16	0.00
HSTDCCC750	HSTDCCC750	03/12/2025	13:26	PS029405.D	7.16	0.00
ENV-105-SB01	Q1514-02	03/12/2025	15:51	PS029411.D	7.16	0.00
ENV-105-SB02	Q1514-04	03/12/2025	16:15	PS029412.D	7.15	0.00
ENV-103-SB01	Q1514-06	03/12/2025	16:39	PS029413.D	7.16	0.00
I.BLK	I.BLK	03/12/2025	17:51	PS029416.D	7.16	0.00
HSTDCCC750	HSTDCCC750	03/12/2025	18:15	PS029417.D	7.15	0.00

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Analytical Sequence

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Project: Amtrak Sawtooth Bridges 2025 **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/21/2025 02/21/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	02/21/2025	19:32	PS029233.D	7.63	0.00
HSTDICC200	HSTDICC200	02/21/2025	19:56	PS029234.D	7.63	0.00
HSTDICC500	HSTDICC500	02/21/2025	20:20	PS029235.D	7.63	0.00
HSTDICC750	HSTDICC750	02/21/2025	20:44	PS029236.D	7.63	0.00
HSTDICC1000	HSTDICC1000	02/21/2025	21:08	PS029237.D	7.63	0.00
HSTDICC1500	HSTDICC1500	02/21/2025	21:32	PS029238.D	7.63	0.00
I.BLK	I.BLK	03/12/2025	09:03	PS029395.D	7.62	0.00
HSTDCCC750	HSTDCCC750	03/12/2025	09:27	PS029396.D	7.62	0.00
PB167090BL	PB167090BL	03/12/2025	09:57	PS029397.D	7.62	0.00
PB167090BS	PB167090BS	03/12/2025	10:21	PS029398.D	7.62	0.00
PB167020TB	PB167020TB	03/12/2025	10:45	PS029399.D	7.62	0.00
ENV-101-SB01MS	Q1488-02MS	03/12/2025	12:14	PS029402.D	7.62	0.00
ENV-101-SB01MSD	Q1488-02MSD	03/12/2025	12:38	PS029403.D	7.62	0.00
I.BLK	I.BLK	03/12/2025	13:02	PS029404.D	7.62	0.00
HSTDCCC750	HSTDCCC750	03/12/2025	13:26	PS029405.D	7.62	0.00
ENV-105-SB01	Q1514-02	03/12/2025	15:51	PS029411.D	7.62	0.00
ENV-105-SB02	Q1514-04	03/12/2025	16:15	PS029412.D	7.62	0.00
ENV-103-SB01	Q1514-06	03/12/2025	16:39	PS029413.D	7.62	0.00
I.BLK	I.BLK	03/12/2025	17:51	PS029416.D	7.62	0.00
HSTDCCC750	HSTDCCC750	03/12/2025	18:15	PS029417.D	7.62	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

ENV-101-SB01MS

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Lab Sample ID: Q1488-02MS **Date(s) Analyzed:** 03/12/2025 03/12/2025

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	8.27	8.22	8.32	52.7	7.7
	2	8.85	8.80	8.90	48.8	
2,4,5-TP(Silvex)	1	9.13	9.08	9.18	52.1	29.6
	2	9.74	9.69	9.79	70.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

ENV-101-SB01MSD

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Lab Sample ID: Q1488-02MSD **Date(s) Analyzed:** 03/12/2025 03/12/2025

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	8.27	8.22	8.32	53.1	7.2
	2	8.85	8.80	8.90	49.4	
2,4,5-TP(Silvex)	1	9.13	9.08	9.18	52.1	37.1
	2	9.74	9.69	9.79	75.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167090BS

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1514 **SAS No.:** Q1514 **SDG NO.:** Q1514

Lab Sample ID: PB167090BS **Date(s) Analyzed:** 03/12/2025 03/12/2025

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	9.13	9.08	9.18	5.10	8.2
	2	9.74	9.69	9.79	4.70	
2,4-D	1	8.27	8.22	8.32	4.80	6.5
	2	8.85	8.80	8.90	4.50	

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 10:45
Operator : AR\AJ
Sample : PB167020TB
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167020TB

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:28:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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	7.154	7.619	2163.5E6	392.2E6	525.055m	417.133
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

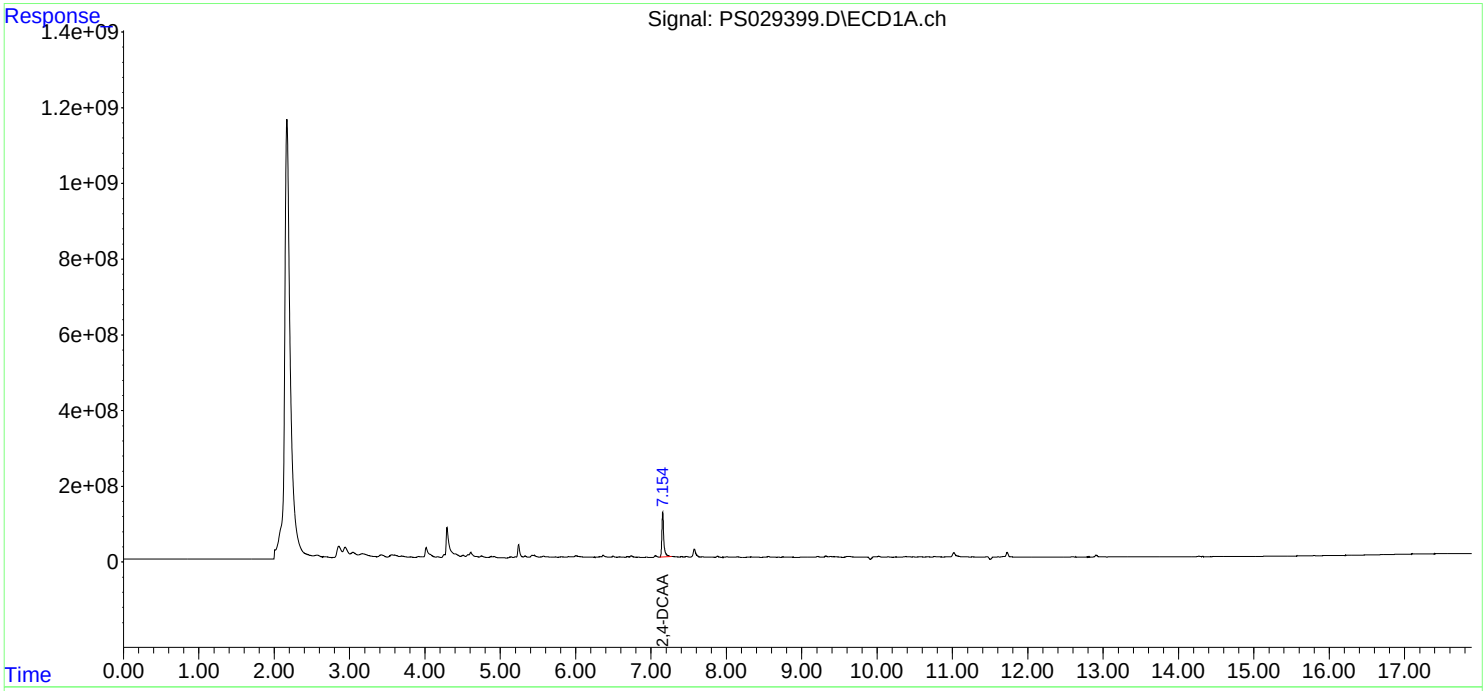
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 10:45
Operator : AR\AJ
Sample : PB167020TB
Misc :
ALS Vial : 6 Sample Multiplier: 1

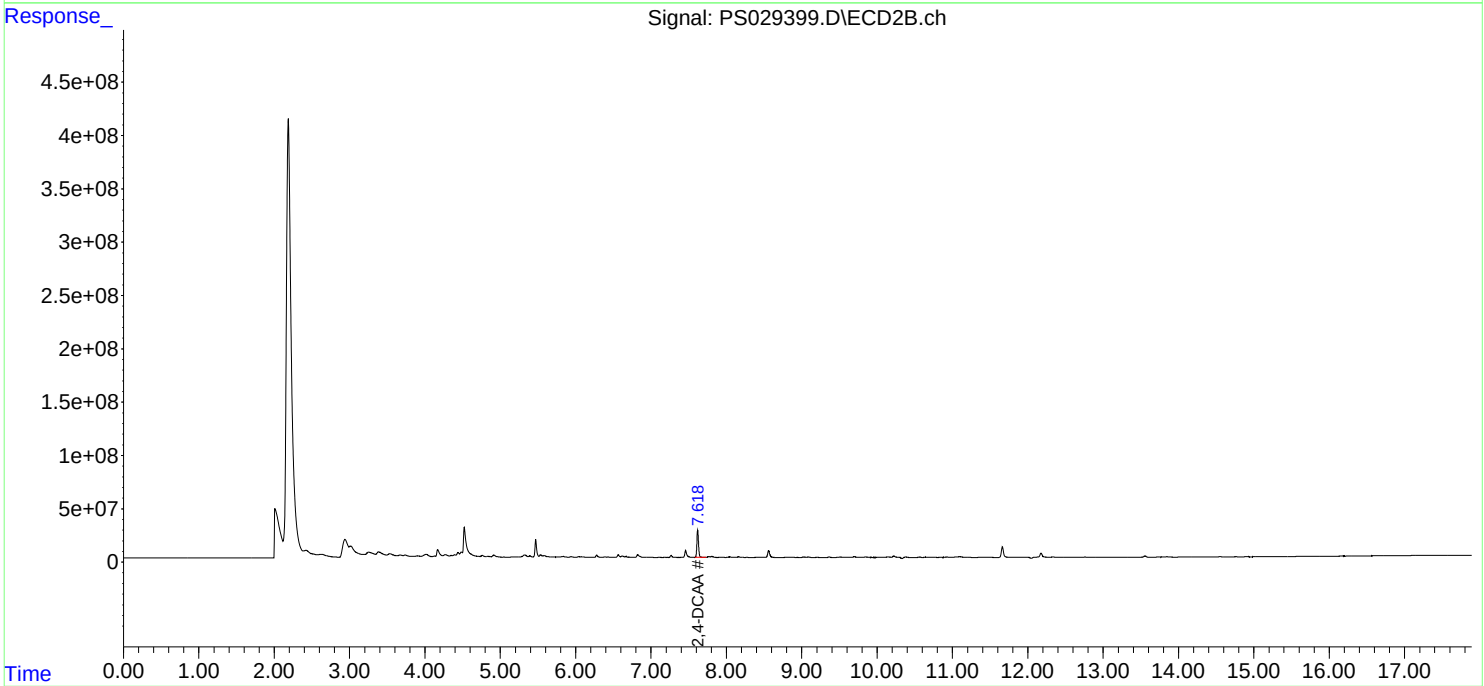
Instrument :
ECD_S
ClientSampleId :
PB167020TB

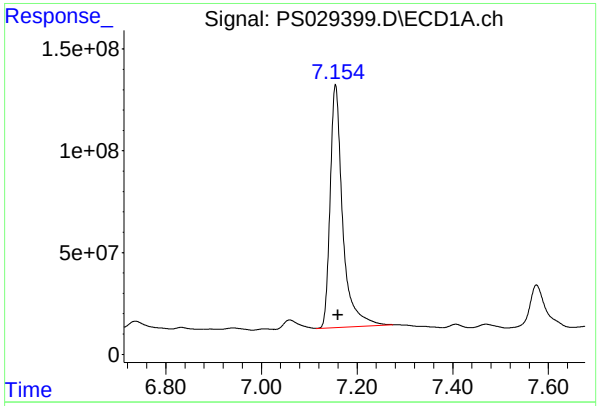
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:28:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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







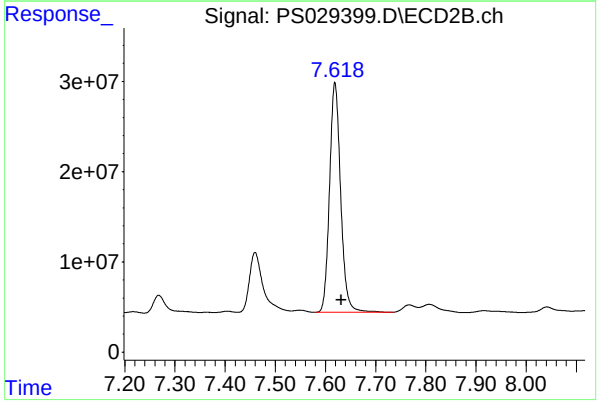
#4 2,4-DCAA

R.T.: 7.154 min
Delta R.T.: -0.005 min
Response: 2163529663
Conc: 525.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167020TB

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



#4 2,4-DCAA

R.T.: 7.619 min
Delta R.T.: -0.013 min
Response: 392243356
Conc: 417.13 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029411.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 15:51
Operator : AR\AJ
Sample : Q1514-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ENV-105-SB01

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:31:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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	7.155	7.618	2445.2E6	410.9E6	593.414m	437.008m#
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

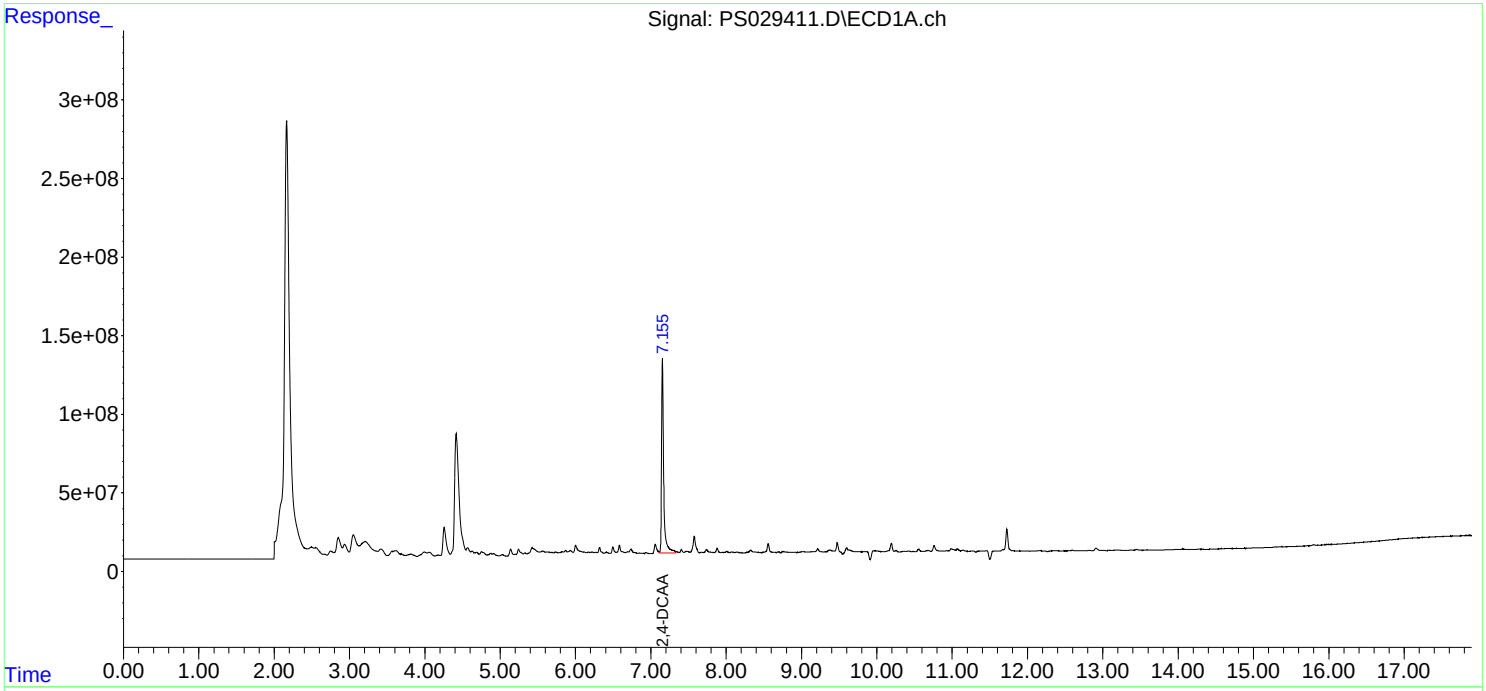
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029411.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 15:51
Operator : AR\AJ
Sample : Q1514-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

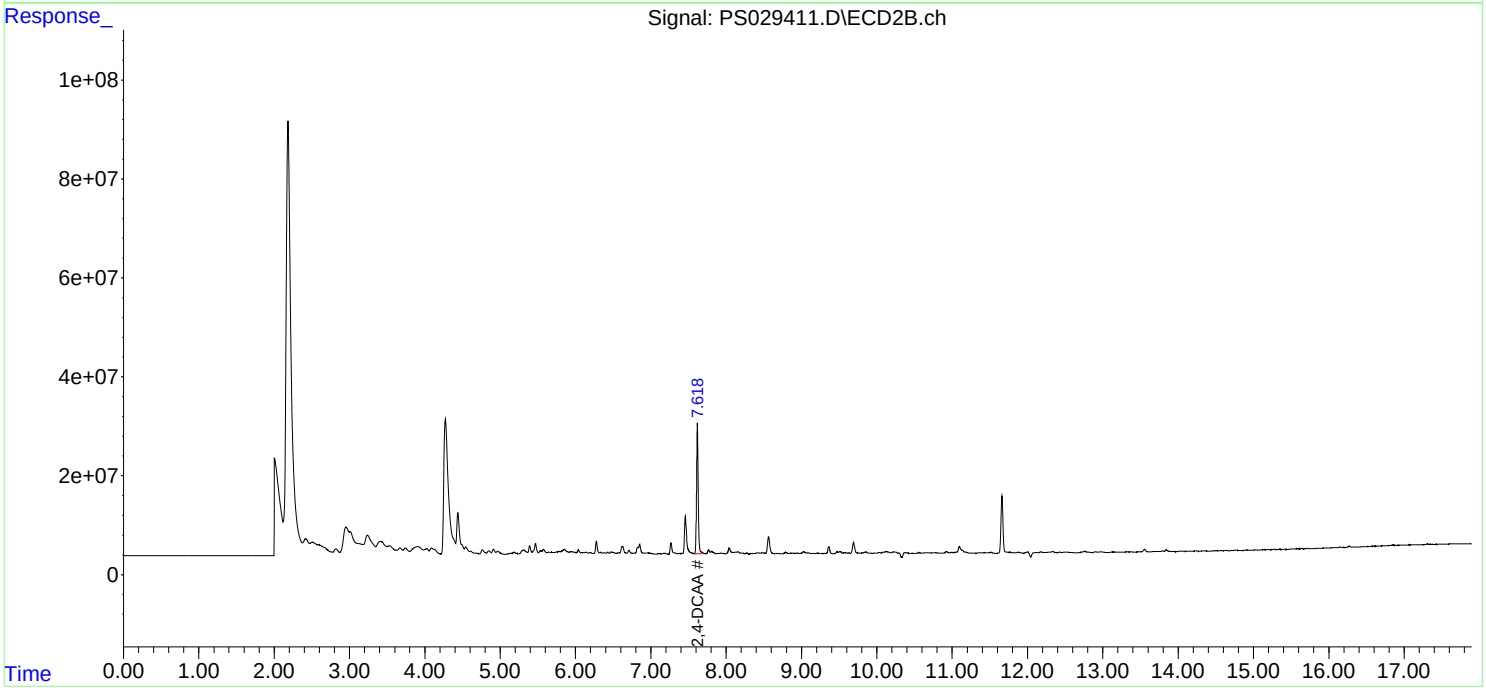
Instrument :
ECD_S
ClientSampleId :
ENV-105-SB01

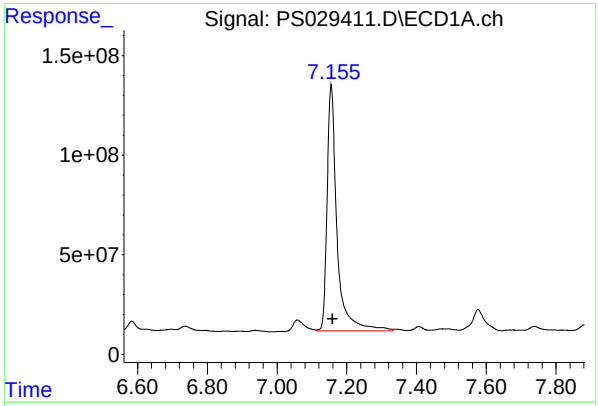
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:31:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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







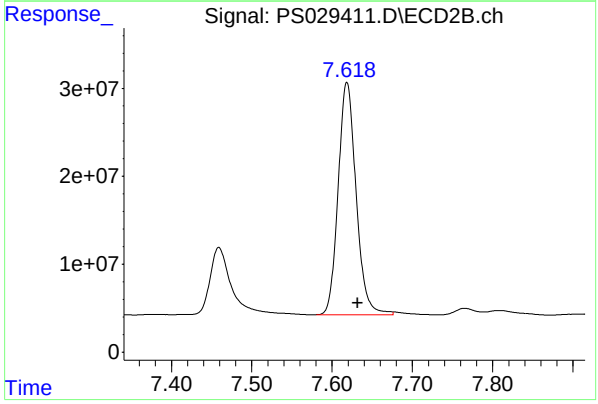
#4 2,4-DCAA

R.T.: 7.155 min
Delta R.T.: -0.005 min
Response: 2445207322
Conc: 593.41 ng/ml

Instrument :
ECD_S
ClientSampleId :
ENV-105-SB01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



#4 2,4-DCAA

R.T.: 7.618 min
Delta R.T.: -0.014 min
Response: 410932887
Conc: 437.01 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 16:15
Operator : AR\AJ
Sample : Q1514-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ENV-105-SB02

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:31:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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	7.154	7.619	2386.9E6	417.8E6	579.273m	444.311
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

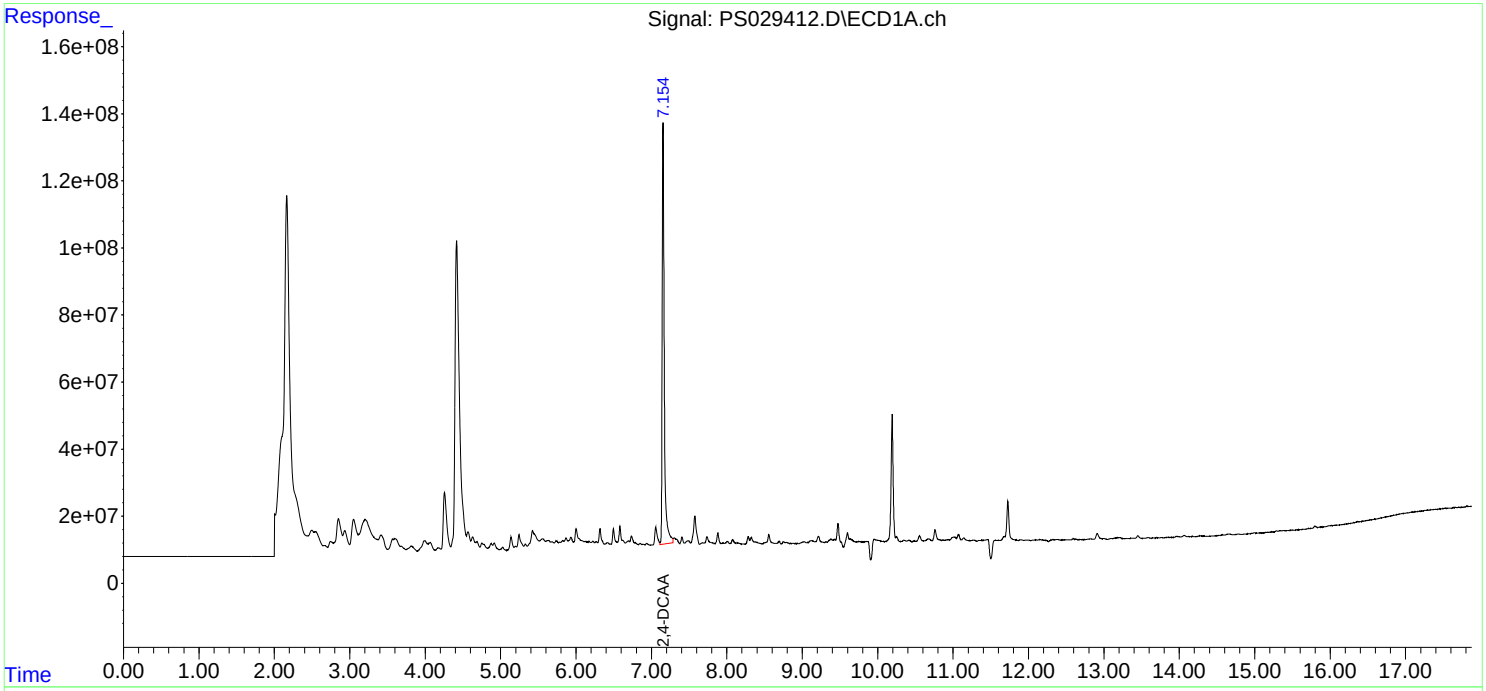
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 16:15
Operator : AR\AJ
Sample : Q1514-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

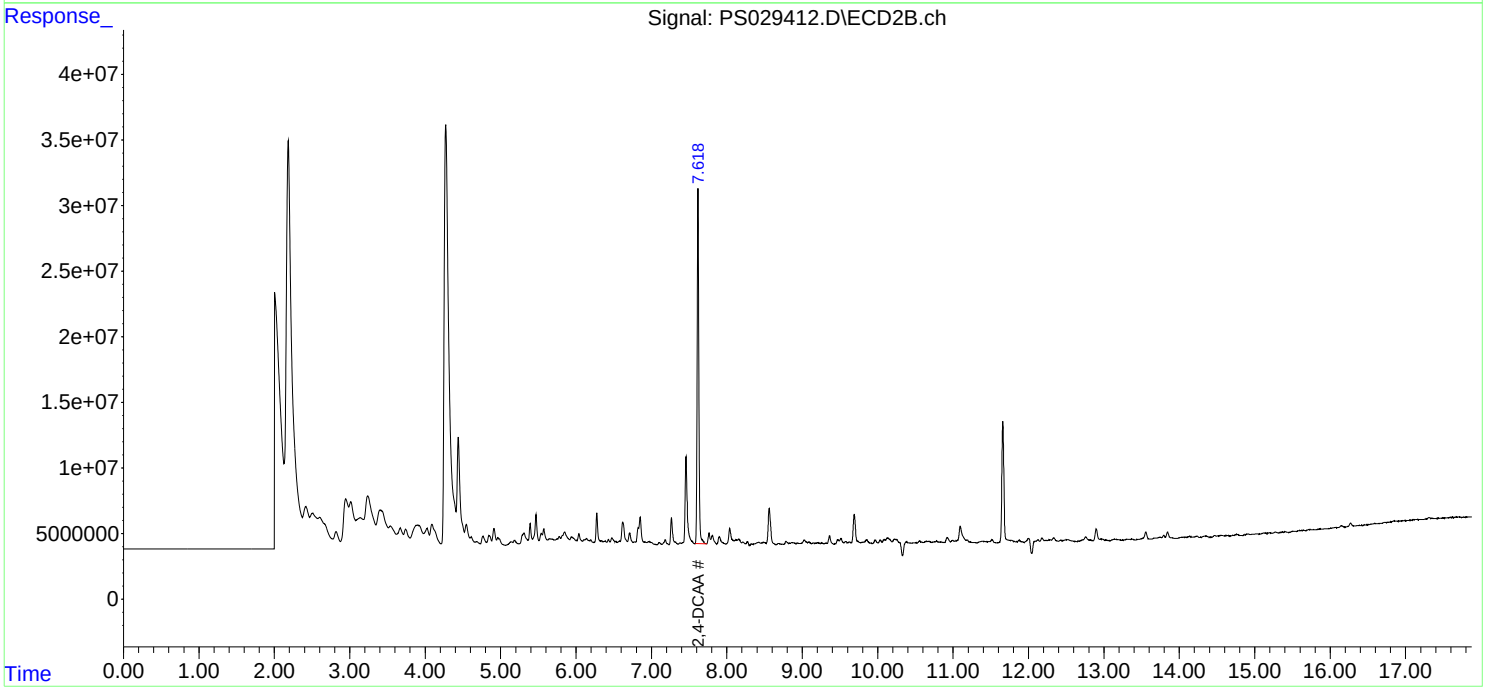
Instrument :
ECD_S
ClientSampleId :
ENV-105-SB02

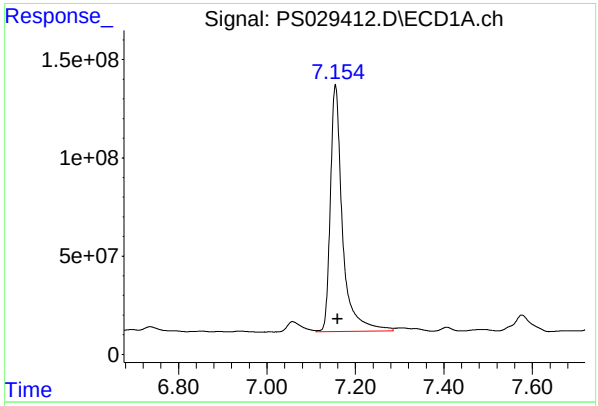
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:31:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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







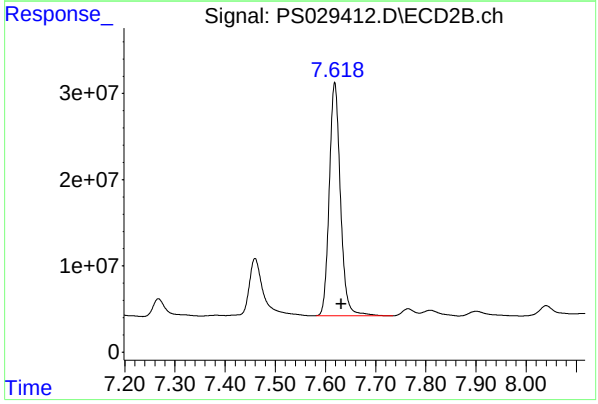
#4 2,4-DCAA

R.T.: 7.154 min
Delta R.T.: -0.005 min
Response: 2386939957
Conc: 579.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
ENV-105-SB02

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



#4 2,4-DCAA

R.T.: 7.619 min
Delta R.T.: -0.013 min
Response: 417799833
Conc: 444.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 16:39
Operator : AR\AJ
Sample : Q1514-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ENV-103-SB01

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:31:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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	7.155	7.618	2417.6E6	403.8E6	586.718m	429.455m#
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

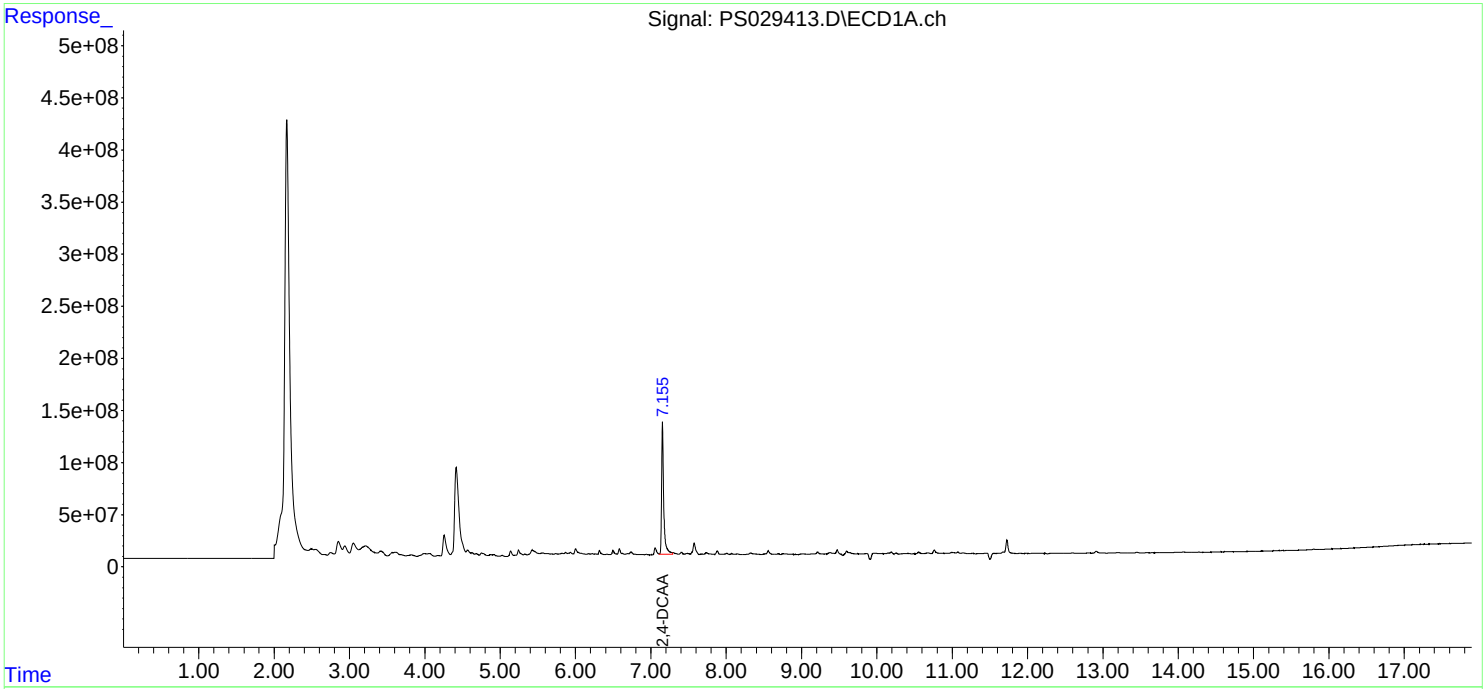
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 16:39
Operator : AR\AJ
Sample : Q1514-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

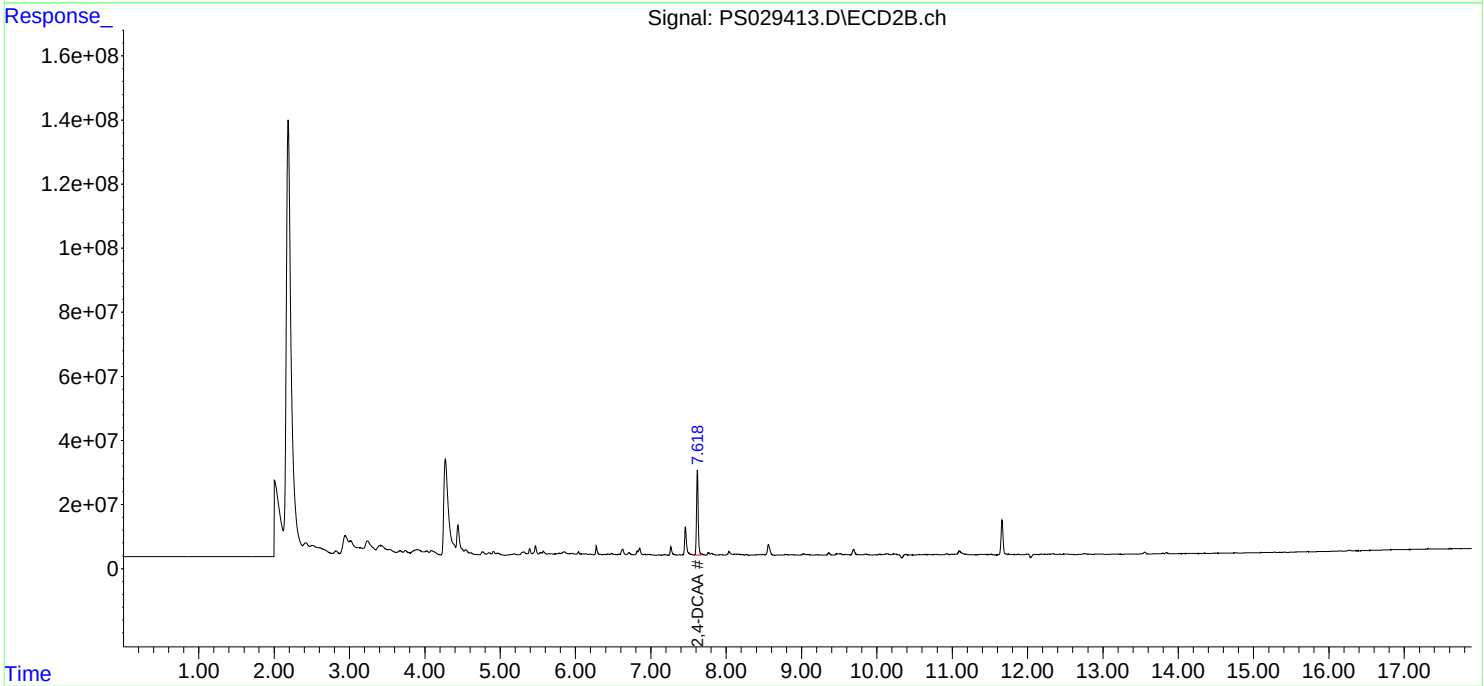
Instrument :
ECD_S
ClientSampleId :
ENV-103-SB01

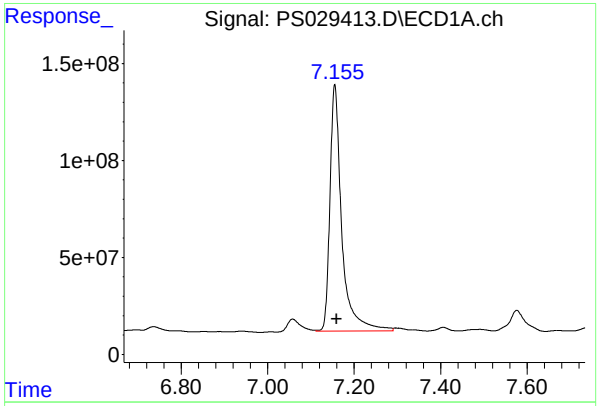
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:31:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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







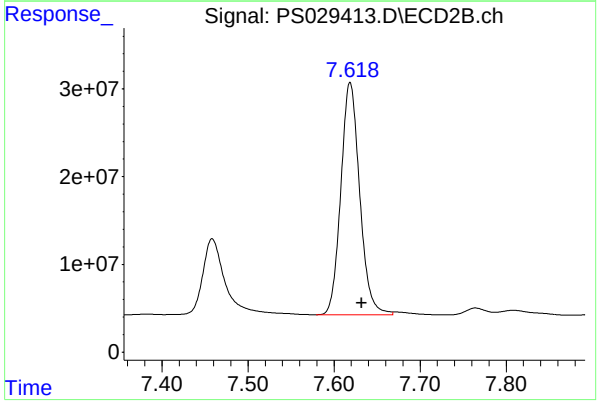
#4 2,4-DCAA

R.T.: 7.155 min
Delta R.T.: -0.005 mi
Response: 2417617856
Conc: 586.72 ng/m

Instrument :
ECD_S
ClientSampleId :
ENV-103-SB01

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025



#4 2,4-DCAA

R.T.: 7.618 min
Delta R.T.: -0.014 min
Response: 403830135
Conc: 429.45 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 09:57
Operator : AR\AJ
Sample : PB167090BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167090BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:28:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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	7.157	7.618	1984.7E6	401.4E6	481.668	426.855
	Target Compounds						

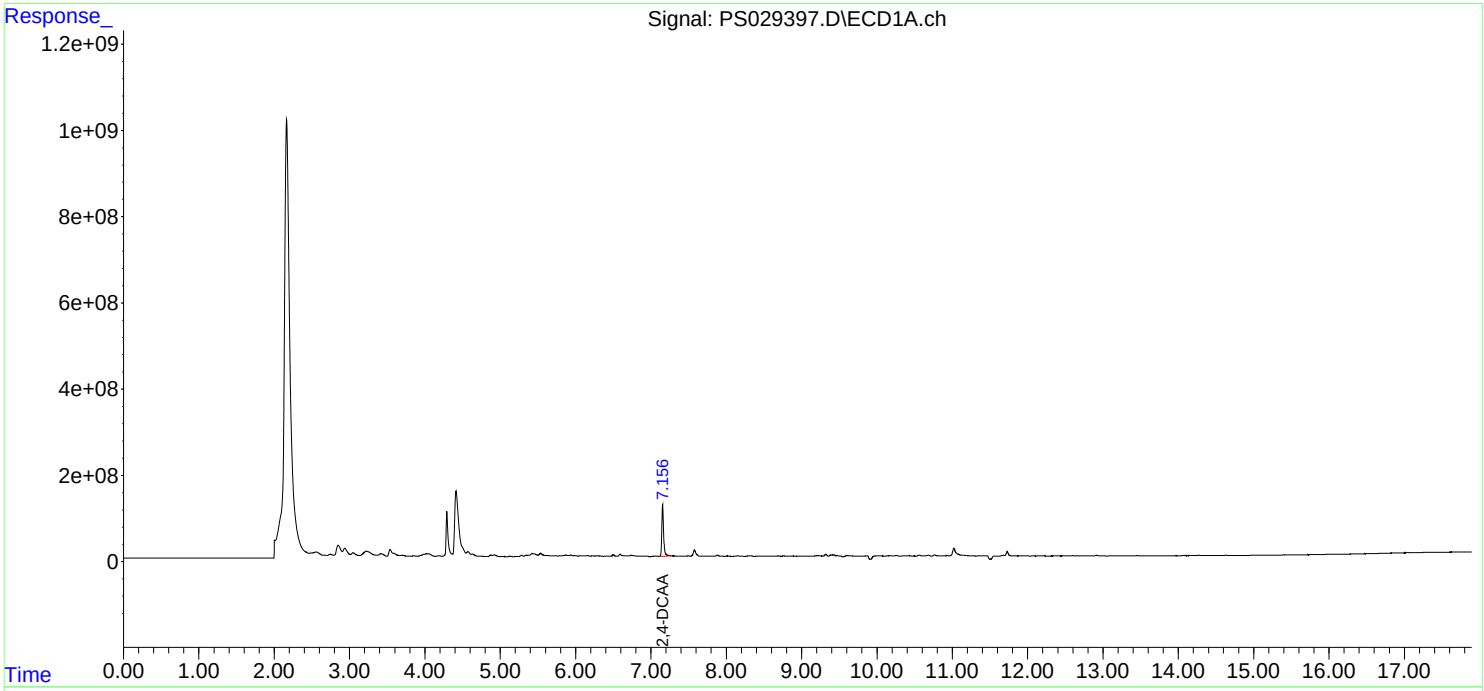
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

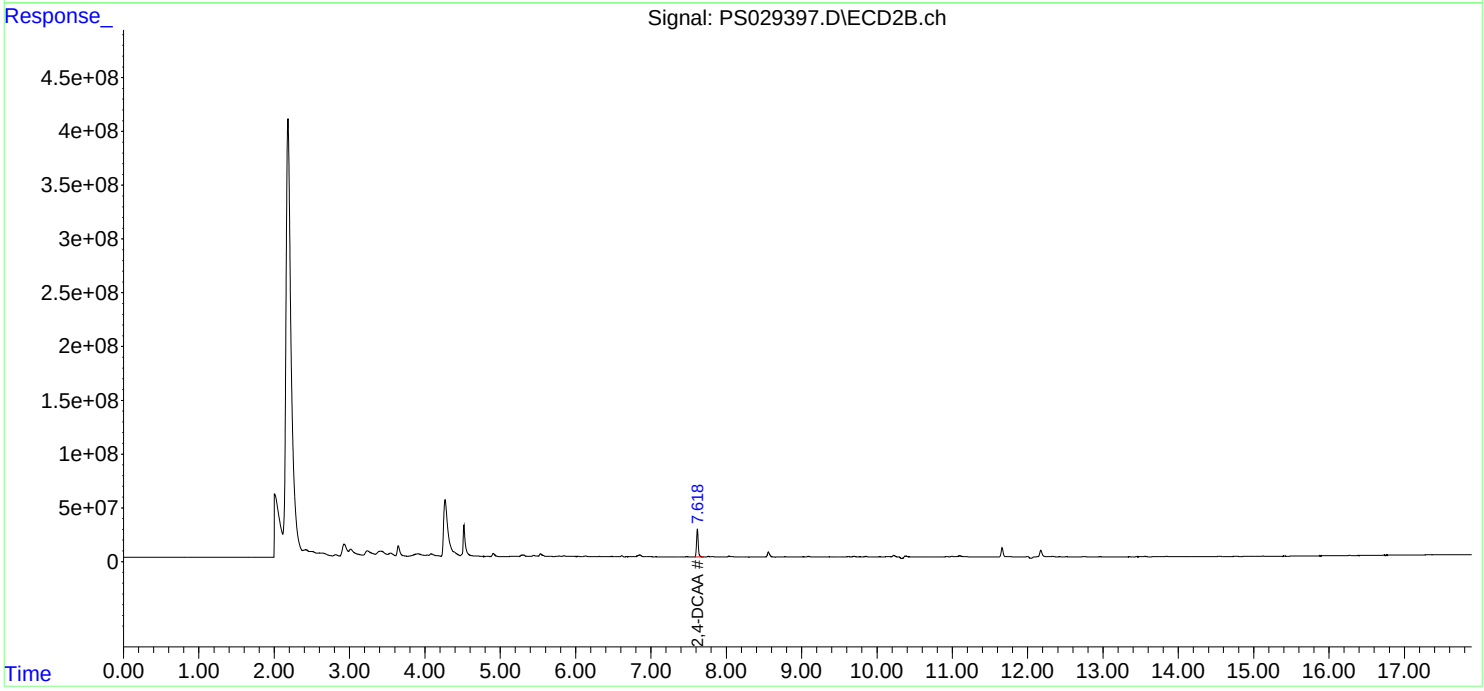
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 09:57
Operator : AR\AJ
Sample : PB167090BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

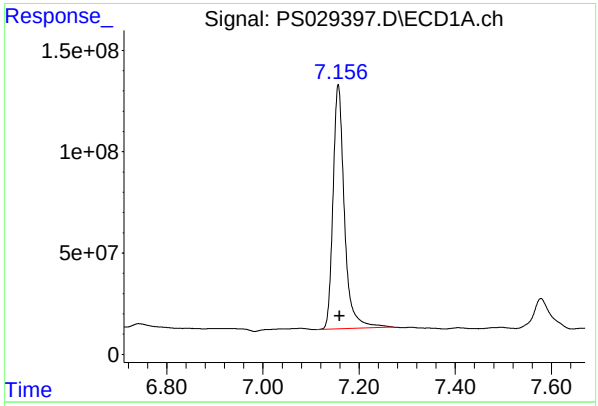
Instrument :
ECD_S
ClientSampleId :
PB167090BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:28:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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



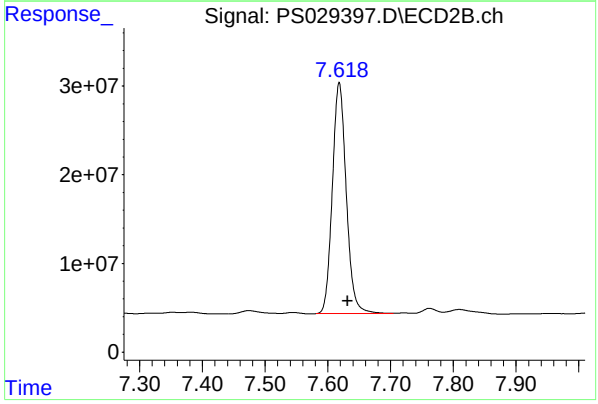




#4 2,4-DCAA

R.T.: 7.157 min
Delta R.T.: -0.003 min
Response: 1984749906
Conc: 481.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167090BL



#4 2,4-DCAA

R.T.: 7.618 min
Delta R.T.: -0.014 min
Response: 401385970
Conc: 426.86 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 10:21
Operator : AR\AJ
Sample : PB167090BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167090BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:28:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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	7.156	7.620	2145.3E6	441.0E6	520.621	468.998
	Target Compounds						
1) T	Dalapon	2.598	2.644	2585.9E6	951.5E6	468.442	449.438
2) T	3,5-DICHL...	6.338	6.595	2863.8E6	623.4E6	489.448	440.249
3) T	4-Nitroph...	6.957	7.153	966.2E6	333.1E6	412.870	417.664
5) T	DICAMBA	7.337	7.813	8630.9E6	2303.0E6	497.000	446.932m
6) T	MCPP	7.516	7.917	529.3E6	100.2E6	42.944	42.819
7) T	MCPA	7.663	8.156	786.9E6	139.8E6	46.439	43.815
8) T	DICHLORPROP	8.037	8.523	2253.7E6	585.9E6	490.318	458.155
9) T	2,4-D	8.268	8.848	2291.3E6	576.8E6	482.338	454.200
10) T	Pentachlo...	8.558	9.364	33171.8E6	11102.8E6	568.436	482.465
11) T	2,4,5-TP ...	9.132	9.741	12560.8E6	4277.8E6	510.871	473.378
12) T	2,4,5-T	9.424	10.155	12911.2E6	3787.7E6	506.547	461.338
13) T	2,4-DB	9.993	10.718	1928.9E6	362.3E6	461.965	473.273m
14) T	DINOSEB	11.185	11.093	8178.4E6	2708.4E6	491.764m	446.818m
15) T	Picloram	11.002	12.167	13656.6E6	4781.1E6	447.121	413.502
16) T	DCPA	11.482	12.126	15402.3E6	5660.9E6	513.349	478.255

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

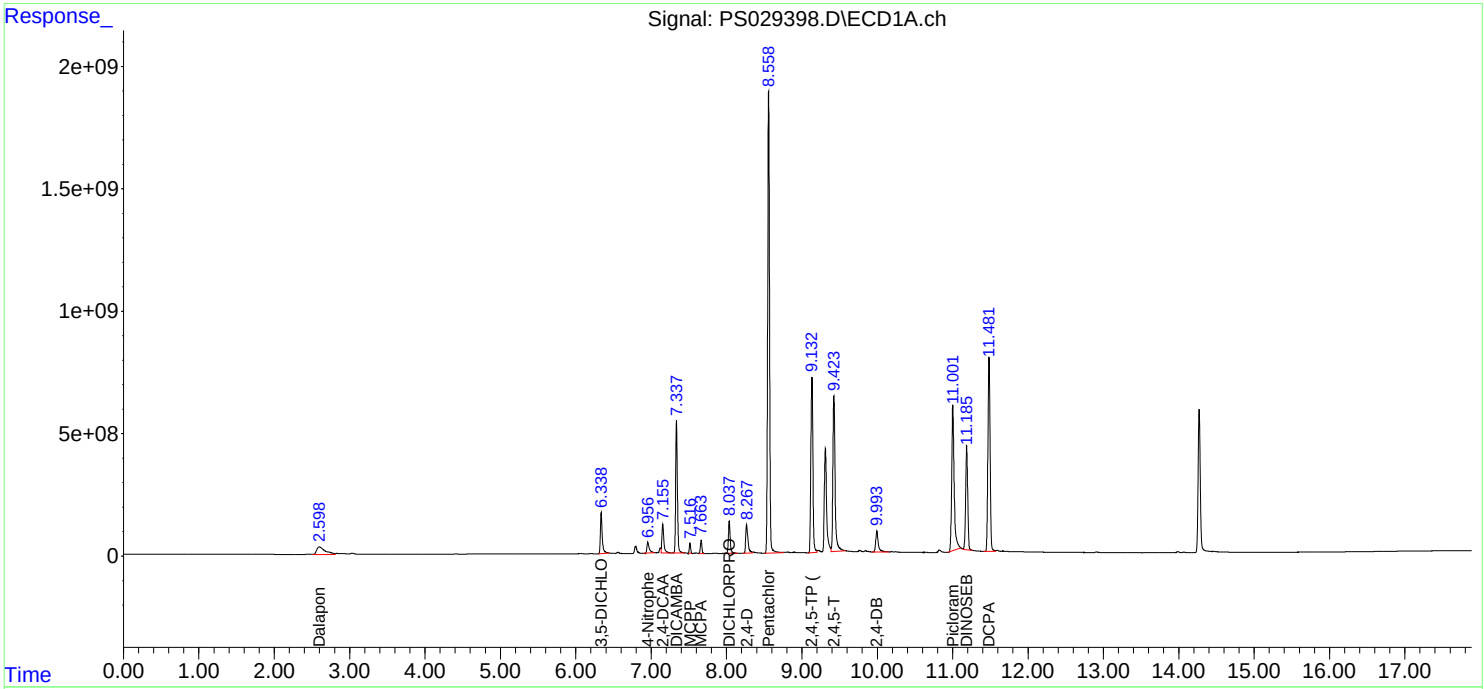
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 10:21
Operator : AR\AJ
Sample : PB167090BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

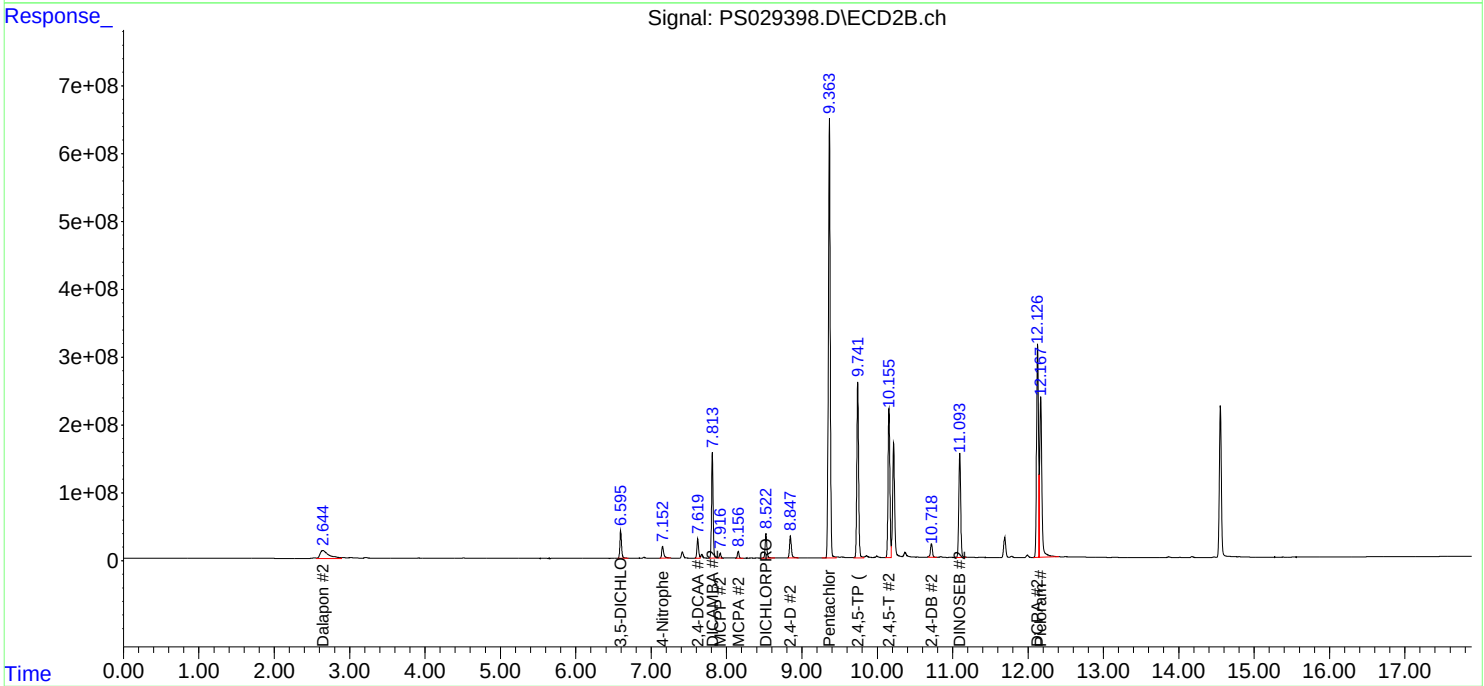
Instrument :
ECD_S
ClientSampleId :
PB167090BS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:28:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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\PS031225\
Data File : PS029402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 12:14
Operator : AR\AJ
Sample : Q1488-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:29:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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	7.156	7.619	2015.2E6	343.0E6	489.060	364.774 #
	Target Compounds						
1) T	Dalapon	2.597	2.645	1473.8E6	702.5E6	266.980m	331.805m
2) T	3,5-DICHL...	6.337	6.594	2716.3E6	568.1E6	464.228	401.160
3) T	4-Nitroph...	6.958	7.157	25936624	6145422	11.083m	7.705m#
5) T	DICAMBA	7.336	7.811	7585.8E6	2107.0E6	436.818m	408.898m
6) T	MCPP	7.515	7.916	558.8E6	98960114	45.333m	42.306
7) T	MCPA	7.663	8.155	697.5E6	224.6E6	41.161	70.423 #
8) T	DICHLORPROP	8.036	8.521	2074.9E6	623.9E6	451.422	487.917
9) T	2,4-D	8.265	8.845	2505.7E6	619.4E6	527.474	487.792
10) T	Pentachlo...	8.560	9.361	38770.7E6	13195.5E6	664.380	573.399
11) T	2,4,5-TP ...	9.131	9.740	12815.6E6	6346.5E6	521.238	702.301 #
12) T	2,4,5-T	9.421	10.153	12298.4E6	3771.6E6	482.502	459.377
13) T	2,4-DB	9.991	10.715	1492.2E6	367.3E6	357.371m	479.765m#
14) T	DINOSEB	11.185	11.091	5773.1E6	1864.9E6	347.133m	307.664m
15) T	Picloram	11.000	12.165	12199.8E6	4089.9E6	399.425	353.724
16) T	DCPA	11.479	12.125	12060.0E6	5304.0E6	401.953	448.102

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

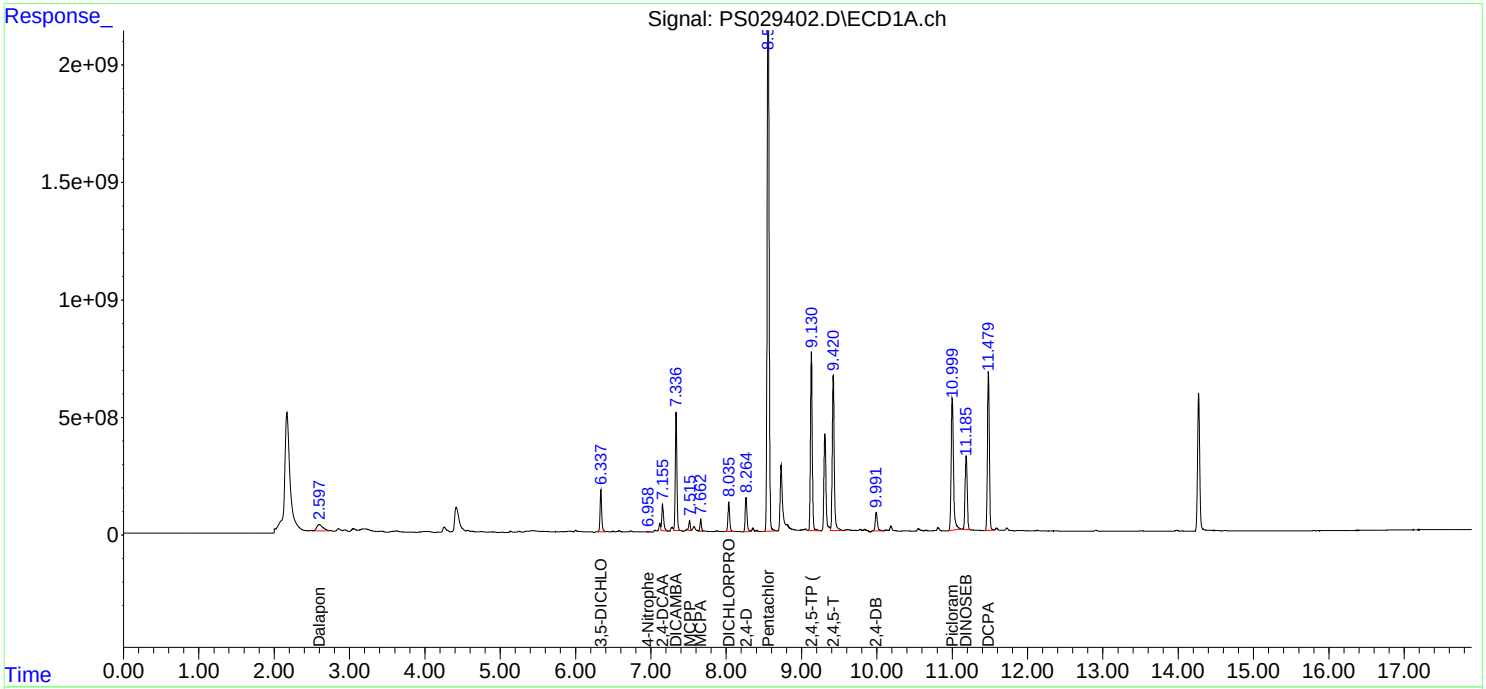
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 12:14
Operator : AR\AJ
Sample : Q1488-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

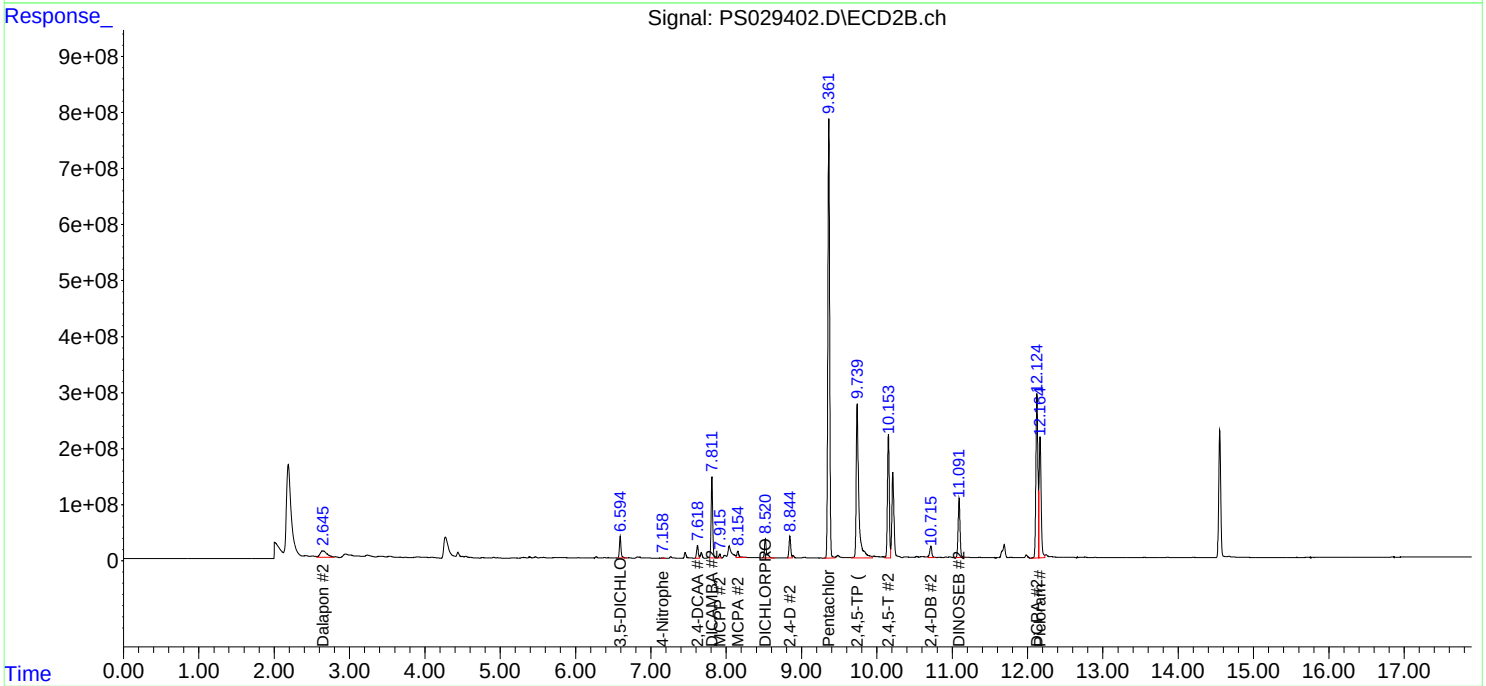
Instrument :
ECD_S
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:29:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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\PS031225\
Data File : PS029403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 12:38
Operator : AR\AJ
Sample : Q1488-02MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:29:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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	7.156	7.619	1989.3E6	334.6E6	482.766	355.858 #
	Target Compounds						
1) T	Dalapon	2.599	2.646	1562.5E6	626.6E6	283.039m	295.965m
2) T	3,5-DICHL...	6.337	6.594	2697.2E6	548.3E6	460.964	387.161m
3) T	4-Nitroph...	6.959	7.158	28607104	6831113	12.224m	8.565m#
5) T	DICAMBA	7.336	7.812	7483.1E6	2088.1E6	430.907m	405.225m
6) T	MCPP	7.516	7.917	556.7E6	99930565	45.166m	42.721
7) T	MCPA	7.663	8.156	707.2E6	246.4E6	41.733	77.260 #
8) T	DICHLORPROP	8.036	8.522	2069.8E6	616.3E6	450.312	481.979
9) T	2,4-D	8.265	8.846	2521.6E6	627.1E6	530.821	493.833
10) T	Pentachlo...	8.558	9.363	38188.8E6	12922.3E6	654.408	561.531
11) T	2,4,5-TP ...	9.131	9.742	12808.4E6	6851.8E6	520.944	758.224 #
12) T	2,4,5-T	9.422	10.154	12413.7E6	3809.8E6	487.028	464.030
13) T	2,4-DB	9.991	10.716	1495.8E6	369.2E6	358.242m	482.191m#
14) T	DINOSEB	11.185	11.092	5623.2E6	1816.7E6	338.118m	299.713m
15) T	Picloram	11.000	12.165	12160.3E6	4088.2E6	398.129	353.580
16) T	DCPA	11.479	12.125	12041.0E6	5298.2E6	401.319	447.613

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

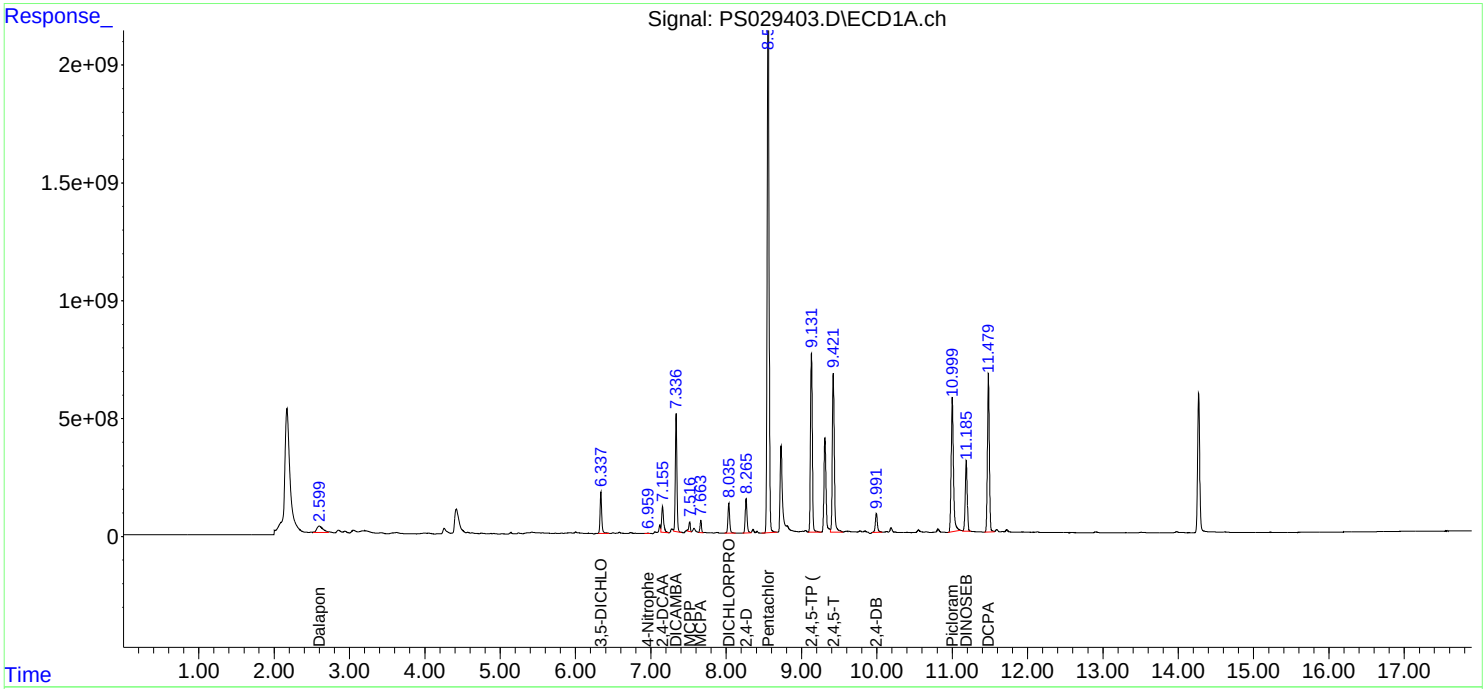
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS031225\
Data File : PS029403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 12:38
Operator : AR\AJ
Sample : Q1488-02MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

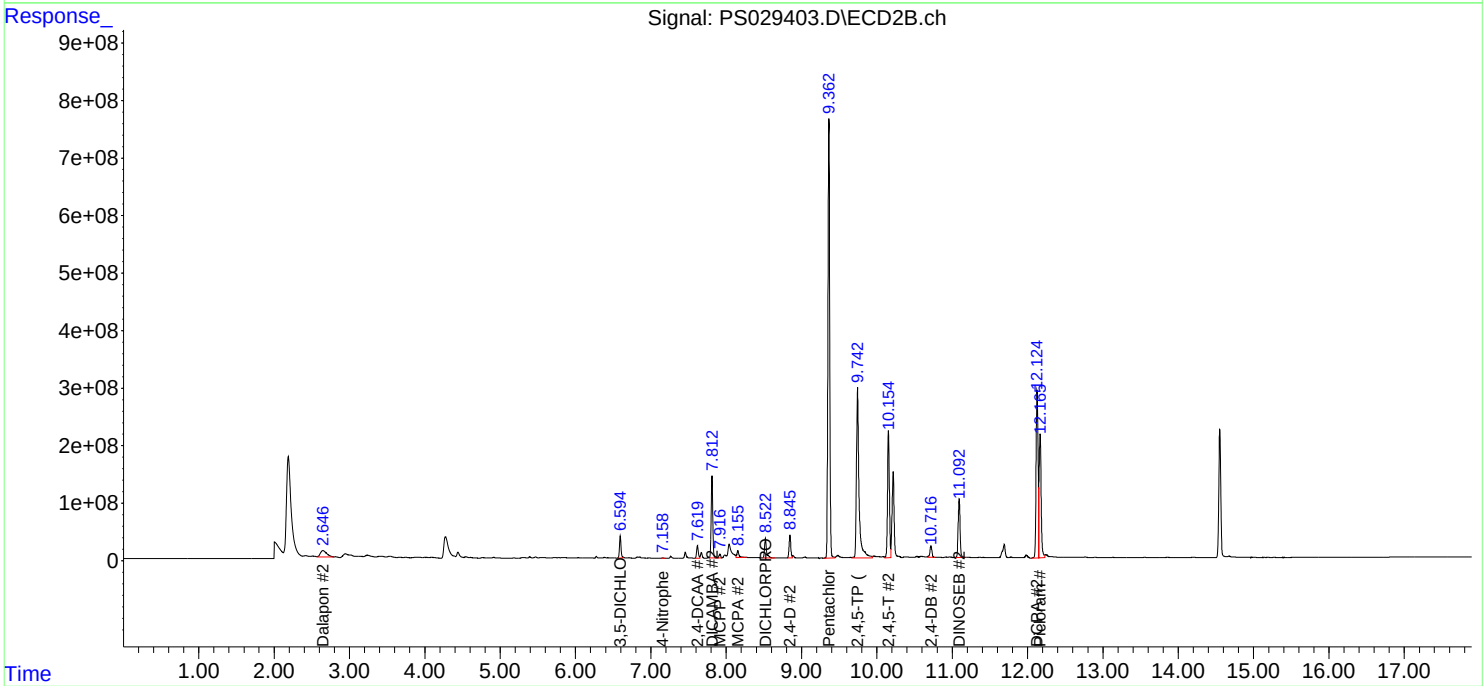
Instrument :
ECD_S
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 03/13/2025
Supervised By :Ankita Jodhani 03/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 02:29:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS022125.M
Quant Title : 8080.M
QLast Update : Sat Feb 22 01:02:20 2025
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





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

Manual Integration Report

Sequence:	ps022125	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:	ps031225	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS029396.D	2,4-DB #2	Abdul	3/13/2025 8:40:01 AM	Ankita	3/13/2025 10:13:02	Peak Integrated by Software
HSTDCCC750	PS029396.D	DICAMBA #2	Abdul	3/13/2025 8:40:01 AM	Ankita	3/13/2025 10:13:02	Peak Integrated by Software
HSTDCCC750	PS029396.D	DINOSEB	Abdul	3/13/2025 8:40:01 AM	Ankita	3/13/2025 10:13:02	Peak Integrated by Software
HSTDCCC750	PS029396.D	DINOSEB #2	Abdul	3/13/2025 8:40:01 AM	Ankita	3/13/2025 10:13:02	Peak Integrated by Software
PB167090BS	PS029398.D	2,4-DB #2	Abdul	3/13/2025 8:40:07 AM	Ankita	3/13/2025 10:13:04	Peak Integrated by Software
PB167090BS	PS029398.D	DICAMBA #2	Abdul	3/13/2025 8:40:07 AM	Ankita	3/13/2025 10:13:04	Peak Integrated by Software
PB167090BS	PS029398.D	DINOSEB	Abdul	3/13/2025 8:40:07 AM	Ankita	3/13/2025 10:13:04	Peak Integrated by Software
PB167090BS	PS029398.D	DINOSEB #2	Abdul	3/13/2025 8:40:07 AM	Ankita	3/13/2025 10:13:04	Peak Integrated by Software
PB167020TB	PS029399.D	2,4-DCAA	Abdul	3/13/2025 8:40:16 AM	Ankita	3/13/2025 10:13:07	Peak Integrated by Software
Q1488-02MS	PS029402.D	2,4-DB	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	2,4-DB #2	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	4-Nitrophenol	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	4-Nitrophenol #2	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software

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

Manual Integration Report

Sequence:	ps031225	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1488-02MS	PS029402.D	Dalapon	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	Dalapon #2	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	DICAMBA	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	DICAMBA #2	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	DINOSEB	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	DINOSEB #2	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MS	PS029402.D	MCPP	Abdul	3/13/2025 8:40:29 AM	Ankita	3/13/2025 10:13:13	Peak Integrated by Software
Q1488-02MSD	PS029403.D	2,4-DB	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	2,4-DB #2	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	4-Nitrophenol	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	4-Nitrophenol #2	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	Dalapon	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software

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

Manual Integration Report

Sequence:	ps031225	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1488-02MSD	PS029403.D	Dalapon #2	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	DICAMBA	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	DICAMBA #2	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	DINOSEB	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	DINOSEB #2	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1488-02MSD	PS029403.D	MCPP	Abdul	3/13/2025 8:40:36 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
HSTDCCC750	PS029405.D	2,4-DB #2	Abdul	3/13/2025 8:40:43 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
HSTDCCC750	PS029405.D	DICAMBA #2	Abdul	3/13/2025 8:40:43 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
HSTDCCC750	PS029405.D	DINOSEB	Abdul	3/13/2025 8:40:43 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
HSTDCCC750	PS029405.D	DINOSEB #2	Abdul	3/13/2025 8:40:43 AM	Ankita	3/13/2025 10:13:14	Peak Integrated by Software
Q1514-02	PS029411.D	2,4-DCAA	Abdul	3/13/2025 8:41:02 AM	Ankita	3/13/2025 10:13:21	Peak Integrated by Software
Q1514-02	PS029411.D	2,4-DCAA #2	Abdul	3/13/2025 8:41:02 AM	Ankita	3/13/2025 10:13:21	Peak Integrated by Software
Q1514-04	PS029412.D	2,4-DCAA	Abdul	3/13/2025 8:41:05 AM	Ankita	3/13/2025 10:13:22	Peak Integrated by Software

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

Manual Integration Report

Sequence:	ps031225	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1514-06	PS029413.D	2,4-DCAA	Abdul	3/13/2025 8:41:08 AM	Ankita	3/13/2025 10:13:24	Peak Integrated by Software
Q1514-06	PS029413.D	2,4-DCAA #2	Abdul	3/13/2025 8:41:08 AM	Ankita	3/13/2025 10:13:24	Peak Integrated by Software
HSTDCCC750	PS029417.D	2,4-DB #2	Abdul	3/13/2025 8:41:18 AM	Ankita	3/13/2025 10:13:29	Peak Integrated by Software
HSTDCCC750	PS029417.D	2,4-DCAA	Abdul	3/13/2025 8:41:18 AM	Ankita	3/13/2025 10:13:29	Peak Integrated by Software
HSTDCCC750	PS029417.D	DICAMBA #2	Abdul	3/13/2025 8:41:18 AM	Ankita	3/13/2025 10:13:29	Peak Integrated by Software
HSTDCCC750	PS029417.D	DINOSEB	Abdul	3/13/2025 8:41:18 AM	Ankita	3/13/2025 10:13:29	Peak Integrated by Software
HSTDCCC750	PS029417.D	DINOSEB #2	Abdul	3/13/2025 8:41:18 AM	Ankita	3/13/2025 10:13:29	Peak Integrated by Software
HSTDCCC750	PS029417.D	MCPP	Abdul	3/13/2025 8:41:18 AM	Ankita	3/13/2025 10:13:29	Peak Integrated by Software

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 # PS022125

Review By	Abdul	Review On	2/22/2025 8:32:12 PM		
Supervise By	Ankita	Supervise On	2/24/2025 3:48:02 PM		
SubDirectory	PS022125	HP Acquire Method		HP Processing Method	ps0221258151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029232.D	21 Feb 2025 19:08	AR\AJ	Ok
2	I.BLK	PS029233.D	21 Feb 2025 19:32	AR\AJ	Ok
3	HSTDICC200	PS029234.D	21 Feb 2025 19:56	AR\AJ	Ok
4	HSTDICC500	PS029235.D	21 Feb 2025 20:20	AR\AJ	Ok
5	HSTDICC750	PS029236.D	21 Feb 2025 20:44	AR\AJ	Ok
6	HSTDICC1000	PS029237.D	21 Feb 2025 21:08	AR\AJ	Ok
7	HSTDICC1500	PS029238.D	21 Feb 2025 21:32	AR\AJ	Ok
8	HSTDICV750	PS029239.D	21 Feb 2025 21:56	AR\AJ	Ok
9	I.BLK	PS029240.D	21 Feb 2025 22:20	AR\AJ	Ok
10	HSTDCCC750	PS029241.D	21 Feb 2025 22:44	AR\AJ	Ok
11	Q1383-03	PS029242.D	21 Feb 2025 23:08	AR\AJ	Ok,M
12	Q1383-05	PS029243.D	21 Feb 2025 23:32	AR\AJ	Ok,M
13	Q1383-07	PS029244.D	21 Feb 2025 23:56	AR\AJ	Ok,M
14	Q1383-09	PS029245.D	22 Feb 2025 00:20	AR\AJ	Ok,M
15	Q1383-11	PS029246.D	22 Feb 2025 00:44	AR\AJ	Ok,M
16	Q1383-13	PS029247.D	22 Feb 2025 01:08	AR\AJ	ReRun
17	Q1383-15	PS029248.D	22 Feb 2025 01:32	AR\AJ	Ok,M
18	Q1383-17	PS029249.D	22 Feb 2025 01:56	AR\AJ	Ok
19	Q1383-19	PS029250.D	22 Feb 2025 02:20	AR\AJ	Ok
20	I.BLK	PS029251.D	22 Feb 2025 02:44	AR\AJ	Ok
21	HSTDCCC750	PS029252.D	22 Feb 2025 03:08	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 # PS031225

Review By	Abdul	Review On	3/13/2025 8:41:54 AM		
Supervise By	Ankita	Supervise On	3/13/2025 10:13:47 AM		
SubDirectory	PS031225	HP Acquire Method		HP Processing Method	ps022125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS029394.D	12 Mar 2025 08:39	AR\AJ	Ok
2	I.BLK	PS029395.D	12 Mar 2025 09:03	AR\AJ	Ok
3	HSTDCCC750	PS029396.D	12 Mar 2025 09:27	AR\AJ	Ok,M
4	PB167090BL	PS029397.D	12 Mar 2025 09:57	AR\AJ	Ok
5	PB167090BS	PS029398.D	12 Mar 2025 10:21	AR\AJ	Ok,M
6	PB167020TB	PS029399.D	12 Mar 2025 10:45	AR\AJ	Ok,M
7	PB167049TB	PS029400.D	12 Mar 2025 11:09	AR\AJ	Ok,M
8	Q1488-02	PS029401.D	12 Mar 2025 11:50	AR\AJ	Ok
9	Q1488-02MS	PS029402.D	12 Mar 2025 12:14	AR\AJ	Ok,M
10	Q1488-02MSD	PS029403.D	12 Mar 2025 12:38	AR\AJ	Ok,M
11	I.BLK	PS029404.D	12 Mar 2025 13:02	AR\AJ	Ok
12	HSTDCCC750	PS029405.D	12 Mar 2025 13:26	AR\AJ	Ok,M
13	Q1488-04	PS029406.D	12 Mar 2025 13:50	AR\AJ	Ok,M
14	Q1488-06	PS029407.D	12 Mar 2025 14:14	AR\AJ	Ok,M
15	Q1488-08	PS029408.D	12 Mar 2025 14:38	AR\AJ	Ok,M
16	Q1488-10	PS029409.D	12 Mar 2025 15:02	AR\AJ	Ok
17	Q1488-12	PS029410.D	12 Mar 2025 15:27	AR\AJ	Ok
18	Q1514-02	PS029411.D	12 Mar 2025 15:51	AR\AJ	Ok,M
19	Q1514-04	PS029412.D	12 Mar 2025 16:15	AR\AJ	Ok,M
20	Q1514-06	PS029413.D	12 Mar 2025 16:39	AR\AJ	Ok,M
21	Q1523-03	PS029414.D	12 Mar 2025 17:03	AR\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS031225

Review By	Abdul	Review On	3/13/2025 8:41:54 AM		
Supervise By	Ankita	Supervise On	3/13/2025 10:13:47 AM		
SubDirectory	PS031225	HP Acquire Method		HP Processing Method	ps022125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1523-06	PS029415.D	12 Mar 2025 17:27	AR\AJ	Ok,M
23	I.BLK	PS029416.D	12 Mar 2025 17:51	AR\AJ	Ok
24	HSTDCCC750	PS029417.D	12 Mar 2025 18:15	AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP
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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS022125

Review By	Abdul	Review On	2/22/2025 8:32:12 PM		
Supervise By	Ankita	Supervise On	2/24/2025 3:48:02 PM		
SubDirectory	PS022125	HP Acquire Method		HP Processing Method	ps0221258151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029232.D	21 Feb 2025 19:08		AR\AJ	Ok
2	I.BLK	I.BLK	PS029233.D	21 Feb 2025 19:32		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS029234.D	21 Feb 2025 19:56		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS029235.D	21 Feb 2025 20:20		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS029236.D	21 Feb 2025 20:44	Method fail for comp 10	AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS029237.D	21 Feb 2025 21:08		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS029238.D	21 Feb 2025 21:32		AR\AJ	Ok
8	HSTDICV750	ICVPS022125	PS029239.D	21 Feb 2025 21:56		AR\AJ	Ok
9	I.BLK	I.BLK	PS029240.D	21 Feb 2025 22:20		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS029241.D	21 Feb 2025 22:44		AR\AJ	Ok
11	Q1383-03	OU4-PCS-TC-12-02172	PS029242.D	21 Feb 2025 23:08		AR\AJ	Ok,M
12	Q1383-05	OU4-PCS-TC-13-02172	PS029243.D	21 Feb 2025 23:32		AR\AJ	Ok,M
13	Q1383-07	OU4-PCS-TC-14-02172	PS029244.D	21 Feb 2025 23:56		AR\AJ	Ok,M
14	Q1383-09	OU4-PCS-TC-15-02172	PS029245.D	22 Feb 2025 00:20		AR\AJ	Ok,M
15	Q1383-11	OU4-PCS-TC-16-02172	PS029246.D	22 Feb 2025 00:44		AR\AJ	Ok,M
16	Q1383-13	OU4-PCS-TC-17-02172	PS029247.D	22 Feb 2025 01:08	2,4-DCAA high in 1st column	AR\AJ	ReRun
17	Q1383-15	OU4-PCS-TC-18-02172	PS029248.D	22 Feb 2025 01:32		AR\AJ	Ok,M
18	Q1383-17	OU4-PCS-TC-19-02172	PS029249.D	22 Feb 2025 01:56		AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS022125

Review By	Abdul	Review On	2/22/2025 8:32:12 PM		
Supervise By	Ankita	Supervise On	2/24/2025 3:48:02 PM		
SubDirectory	PS022125	HP Acquire Method		HP Processing Method	ps0221258151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1383-19	OU4-PCS-TC-20-02172	PS029250.D	22 Feb 2025 02:20		AR\AJ	Ok
20	I.BLK	I.BLK	PS029251.D	22 Feb 2025 02:44		AR\AJ	Ok
21	HSTDCCC750	HSTDCCC750	PS029252.D	22 Feb 2025 03:08		AR\AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS031225

Review By	Abdul	Review On	3/13/2025 8:41:54 AM		
Supervise By	Ankita	Supervise On	3/13/2025 10:13:47 AM		
SubDirectory	PS031225	HP Acquire Method		HP Processing Method	ps022125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS029394.D	12 Mar 2025 08:39		AR\AJ	Ok
2	I.BLK	I.BLK	PS029395.D	12 Mar 2025 09:03		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS029396.D	12 Mar 2025 09:27		AR\AJ	Ok,M
4	PB167090BL	PB167090BL	PS029397.D	12 Mar 2025 09:57		AR\AJ	Ok
5	PB167090BS	PB167090BS	PS029398.D	12 Mar 2025 10:21		AR\AJ	Ok,M
6	PB167020TB	PB167020TB	PS029399.D	12 Mar 2025 10:45		AR\AJ	Ok,M
7	PB167049TB	PB167049TB	PS029400.D	12 Mar 2025 11:09		AR\AJ	Ok,M
8	Q1488-02	ENV-101-SB01	PS029401.D	12 Mar 2025 11:50		AR\AJ	Ok
9	Q1488-02MS	ENV-101-SB01MS	PS029402.D	12 Mar 2025 12:14	some compound recovery fail	AR\AJ	Ok,M
10	Q1488-02MSD	ENV-101-SB01MSD	PS029403.D	12 Mar 2025 12:38	some compound recovery fail	AR\AJ	Ok,M
11	I.BLK	I.BLK	PS029404.D	12 Mar 2025 13:02		AR\AJ	Ok
12	HSTDCCC750	HSTDCCC750	PS029405.D	12 Mar 2025 13:26		AR\AJ	Ok,M
13	Q1488-04	ENV-101-SB02	PS029406.D	12 Mar 2025 13:50		AR\AJ	Ok,M
14	Q1488-06	ENV-102-SB01	PS029407.D	12 Mar 2025 14:14		AR\AJ	Ok,M
15	Q1488-08	ENV-102-SB02	PS029408.D	12 Mar 2025 14:38		AR\AJ	Ok,M
16	Q1488-10	ENV-104-SB01	PS029409.D	12 Mar 2025 15:02		AR\AJ	Ok
17	Q1488-12	ENV-104-SB02	PS029410.D	12 Mar 2025 15:27		AR\AJ	Ok
18	Q1514-02	ENV-105-SB01	PS029411.D	12 Mar 2025 15:51		AR\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS031225

Review By	Abdul	Review On	3/13/2025 8:41:54 AM		
Supervise By	Ankita	Supervise On	3/13/2025 10:13:47 AM		
SubDirectory	PS031225	HP Acquire Method		HP Processing Method	ps022125 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24064,PP24065,PP24066,PP24067,PP24068
CCC	PP24066
Internal Standard/PEM	
ICV/I.BLK	PP24069,PP24070
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1514-04	ENV-105-SB02	PS029412.D	12 Mar 2025 16:15		AR\AJ	Ok,M
20	Q1514-06	ENV-103-SB01	PS029413.D	12 Mar 2025 16:39		AR\AJ	Ok,M
21	Q1523-03	WC-A1-01-C	PS029414.D	12 Mar 2025 17:03		AR\AJ	Ok,M
22	Q1523-06	WC-A2-02-C	PS029415.D	12 Mar 2025 17:27		AR\AJ	Ok,M
23	I.BLK	I.BLK	PS029416.D	12 Mar 2025 17:51		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS029417.D	12 Mar 2025 18:15		AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 03/06/2025 **Time :** 17:00

End Prep Date : 03/07/2025 **Time :** 11:20

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP

Initial Room Temperature: 25 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IZ

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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1L Amber bottle	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Particle size reduction in not required. TUMBLER T-1 /T-2 checked,30 rpm. q1514-06 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/07/25 12:30	JP / TCLP Room	JP RJ / EXT
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

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
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167020TB	LEB020	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-02	ENV-101-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-04	ENV-101-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-06	ENV-102-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-08	ENV-102-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-10	ENV-104-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-12	ENV-104-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1490-02	CLAY-SLUDGE-DRUMS	N/A	N/A	N/A	N/A	100	N/A
Q1494-04	ASPHALT-SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-06	SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-08	SOIL-COMP	N/A	N/A	N/A	N/A	100	N/A
Q1510-01	FMC-25-0001-0005	N/A	N/A	N/A	N/A	100	N/A
Q1514-02	ENV-105-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1514-04	ENV-105-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1514-06	ENV-103-SB01	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB167020

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
PB167020TB	LEB020	N/A	N/A	N/A	N/A	#1	4.94
Q1488-02	ENV-101-SB01	5.01	96.5	6.2	2.5	#1	4.94
Q1488-04	ENV-101-SB02	5.02	96.5	6.6	2.0	#1	4.94
Q1488-06	ENV-102-SB01	5.03	96.5	6.2	2.5	#1	4.94
Q1488-08	ENV-102-SB02	5.04	96.5	7.2	2.5	#1	4.94
Q1488-10	ENV-104-SB01	5.03	96.5	6.6	2.0	#1	4.94
Q1488-12	ENV-104-SB02	5.02	96.5	7.0	2.5	#1	4.94
Q1490-02	CLAY-SLUDGE-DRUMS	5.04	96.5	7.0	2.5	#1	4.94
Q1494-04	ASPHALT-SOIL	5.01	96.5	8.6	3.0	#1	4.94
Q1494-06	SOIL	5.02	96.5	9.1	4.0	#1	4.94
Q1494-08	SOIL-COMP	5.04	96.5	8.6	3.5	#1	4.94
Q1510-01	FMC-25-0001-0005	5.03	96.5	5.6	1.5	#1	4.94
Q1514-02	ENV-105-SB01	5.01	96.5	7.6	2.5	#1	4.94
Q1514-04	ENV-105-SB02	5.02	96.5	8.0	3.0	#1	4.94
Q1514-06	ENV-103-SB01	5.03	96.5	9.1	3.5	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q1490 **WorkList ID :** 188086 **Department :** TCLP Extraction **Date :** 03-06-2025 11:40:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1488-02	ENV-101-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-04	ENV-101-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-06	ENV-102-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-08	ENV-102-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-10	ENV-104-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-12	ENV-104-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1490-02	CLAY-SLUDGE-DRUMS	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1494-04	ASPHALT-SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/05/2025	1311
Q1494-06	SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1494-08	SOIL-COMP	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1510-01	FMC-25-0001-0005	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1514-02	ENV-105-SB01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/06/2025	1311
Q1514-04	ENV-105-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311
Q1514-06	ENV-103-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311

Date/Time 03106125 16:10
Raw Sample Received by: SD (WC)
Raw Sample Relinquished by: CP SM

Date/Time 03106125 18:00
Raw Sample Received by: CP SM
Raw Sample Relinquished by: SD (WC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167090

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#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,7

Extraction Start Date : 03/11/2025

Extraction Start Time : 11:30

Extraction End Date : 03/11/2025

Extraction End Time : 18:30

Concentration By: EH

Supervisor By : RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24193
Surrogate	1.0ML	5000 PPB	PP24196
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	E3881
Acidified Na2SO4	N/A	EP2576
12N H2SO4	N/A	EP2552
NAOH 6N	N/A	EP2553
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14150
Diazomethane	N/A	EP2588
Hexane	N/A	E3877
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: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/11/25	RS (Ext Lab)	YP.PS/11/25.
18:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167090

Analytical Method: M8151A-Herbicide-22

Concentration Date: 03/11/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167020TB	PB167020TB	TCLP Herbicide	100	6	RUPESH	rajesh	10			SEP-1
PB167049TB	PB167049TB	TCLP Herbicide	100	6	RUPESH	rajesh	10			2
PB167090BL	HBLK090	TCLP Herbicide	1000	6	RUPESH	rajesh	10			3
PB167090BS	HLCS090	TCLP Herbicide	1000	6	RUPESH	rajesh	10			4
Q1488-02	ENV-101-SB01	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		5
Q1488-02MS	ENV-101-SB01MS	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		6
Q1488-02MSD	ENV-101-SB01MSD	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		7
Q1488-04	ENV-101-SB02	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		8
Q1488-06	ENV-102-SB01	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		9
Q1488-08	ENV-102-SB02	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		10
Q1488-10	ENV-104-SB01	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		11
Q1488-12	ENV-104-SB02	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		12
Q1514-02	ENV-105-SB01	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		13
Q1514-04	ENV-105-SB02	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		14
Q1514-06	ENV-103-SB01	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		15
Q1523-03	WC-A1-01-C	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		16
Q1523-06	WC-A2-02-C	TCLP Herbicide	100	6	RUPESH	rajesh	10	A		170

RS
3/11

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

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

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
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

03/07/25

12:30

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TCLP EXTRACTION LOGPAGE

PB167049

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
PB167049TB	LEB049	10	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q1523-03	WC-A1-01-C	01	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q1523-06	WC-A2-02-C	02	100.01	2000	N/A	N/A	N/A	11.5	1.5	T-1
Q1534-06	OR-363-COMP-16	03	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1534-12	OR-363-COMP-17	04	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q1534-18	OR-363-COMP-18	05	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q1534-24	OR-363OR-363-COMP-19-	06	100.02	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1537-05	COMP-1	07	100.03	2000	N/A	N/A	N/A	10.0	1.5	T-1
Q1537-06	COMP-2	08	100.02	2000	N/A	N/A	N/A	11.0	1.0	T-1
Q1537-07	COMP-3	09	100.04	2000	N/A	N/A	N/A	11.0	1.5	T-1

03/11/2025
11:00

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LAB CHRONICLE

OrderID:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-01	**ENV-105-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1514-02	**ENV-105-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP Herbicide	8151A		03/11/25	03/12/25	
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1514-03	**ENV-105-SB02**	**SOIL**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1514-04	**ENV-105-SB02**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP Herbicide	8151A		03/11/25	03/12/25	
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1514-05	**ENV-103-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1514-06	**ENV-103-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP Herbicide	8151A		03/11/25	03/12/25	
			TCLP Pesticide	8081B		03/11/25	03/12/25	
Q1514-07	**ENV-105-GW01**	**WATER**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1514-08	**ENV-103-GW01**	**Water**			**03/05/25**			**03/06/25**

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LAB CHRONICLE

			EPH	NJEPH	03/10/25	03/11/25	
			PCB	8082A	03/07/25	03/07/25	
Q1514-09	**FB03062025**	**WATER**		**03/06/25**			**03/06/25**
			PCB	8082A	03/07/25	03/07/25	
			EPH	NJEPH	03/10/25	03/11/25	

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
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
03/10/25 09:20	03/11/25 2:04	PB167058

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.41	U	1	0.41	1.09	mg/kg	FE052720.D
Aliphatic C12-C16	Aliphatic C12-C16	0.65	J	1	0.26	0.73	mg/kg	FE052720.D
Aliphatic C16-C21	Aliphatic C16-C21	4.48		1	0.33	1.09	mg/kg	FE052720.D
Aliphatic C21-C28	Aliphatic C21-C28	23.3		1	0.87	1.45	mg/kg	FE052720.D
Aliphatic C28-C40	Aliphatic C28-C40	57.9		2	3.93	4.36	mg/kg	FE052728.D
Aromatic C10-C12	Aromatic C10-C12	0.35	J	1	0.33	0.73	mg/kg	FF015641.D
Aromatic C12-C16	Aromatic C12-C16	0.65	J	1	0.37	1.09	mg/kg	FF015641.D
Aromatic C16-C21	Aromatic C16-C21	10.1		1	1.05	1.82	mg/kg	FF015641.D
Aromatic C21-C36	Aromatic C21-C36	69.3		2	4.36	5.82	mg/kg	FF015649.D
Total AliphaticEPH	Total AliphaticEPH	86.3			5.80	8.72	mg/kg	
Total AromaticEPH	Total AromaticEPH	80.4			6.11	9.46	mg/kg	
Total EPH	Total EPH	167			11.9	18.2	mg/kg	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
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
FE052720.D	1	03/10/25	03/11/25	PB167058

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.41	U	0.41	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.65	J	0.26	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		4.48		0.33	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		23.3		0.87	1.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		60.6	E	1.96	2.18	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		33.2		40 - 140	66%	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:	Q1514-01	Acq On:	11 Mar 2025 02:04
Client Sample ID:	ENV-105-SB01	Operator:	YP\AJ
Data file:	FE052720.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	531650	3.409	300	ug/ml
Aliphatic C12-C16	6.797	10.250	1348473	8.866	200	ug/ml
Aliphatic C16-C21	10.251	13.630	9036055	61.659	300	ug/ml
Aliphatic C21-C28	13.631	17.305	45655992	320.501	400	ug/ml
Aliphatic C28-C40	17.306	22.234	106359845	833.612	600	ug/ml
Aliphatic EPH	3.151	22.234	162932015	1230		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.357	13.357	4035950	33.24		ug/ml
Aliphatic C9-C28	3.151	17.305	56572170	394.435	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
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
FF015641.D	1	03/10/25	03/10/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.35	J	0.33	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.65	J	0.37	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	10.1		1.05	1.82	mg/kg
Aromatic C21-C36	Aromatic C21-C36	69.5	E	2.18	2.91	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	53.9		40 - 140	108%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	51.0		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.7		40 - 140	61%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1514-01	Acq On:	10 Mar 2025 22:39
Client Sample ID:	ENV-105-SB01	Operator:	YP\AJ
Data file:	FF015641.D	Misc:	
Instrument:	FID_F	ALS Vial:	83
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.377	618764	4.82	200	ug/ml
Aromatic C12-C16	6.378	9.069	1230509	8.995	300	ug/ml
Aromatic C16-C21	9.070	13.390	18399654	138.303	500	ug/ml
Aromatic C21-C36	13.391	18.845	124273362	955.539	800	ug/ml
Aromatic EPH	4.505	18.845	144522289	1110		ug/ml
2-Bromonaphthalene (SURR)	7.997	7.997	6276281	53.91		ug/ml
2-Flurobiphenyl (SURR)	8.874	8.874	3631679	50.98		ug/ml
ortho-Terphenyl (SURR)	11.933	11.933	4512420	30.68		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01DL	SDG No.:	Q1514
Lab Sample ID:	Q1514-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
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
FE052728.D	2	03/10/25	03/11/25	PB167058

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.83	U	0.83	2.18	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.78	J	0.52	1.45	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		4.86		0.65	2.18	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		25.1		1.74	2.91	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		57.9		3.93	4.36	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		15.9		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1514-01DL	Acq On:	11 Mar 2025 10:20
Client Sample ID:	Q1514-01DL	Operator:	YP\AJ
Data file:	FE052728.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.791	163860	1.051	300	ug/ml
Aliphatic C12-C16	6.792	10.243	819930	5.391	200	ug/ml
Aliphatic C16-C21	10.244	13.622	4895068	33.402	300	ug/ml
Aliphatic C21-C28	13.623	17.293	24624304	172.861	400	ug/ml
Aliphatic C28-C40	17.294	22.207	50845112	398.507	600	ug/ml
Aliphatic EPH	3.148	22.207	81348274	611.211		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.355	13.355	1932296	15.91		ug/ml
Aliphatic C9-C28	3.148	17.293	30503162	212.705	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01DL	SDG No.:	Q1514
Lab Sample ID:	Q1514-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.6
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
FF015649.D	2	03/10/25	03/11/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.37	J	0.65	1.45	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.86	J	0.74	2.18	mg/kg
Aromatic C16-C21	Aromatic C16-C21	9.48		2.09	3.64	mg/kg
Aromatic C21-C36	Aromatic C21-C36	69.3		4.36	5.82	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	25.4		40 - 140	102%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	22.5		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	15.1		40 - 140	60%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1514-01DL	Acq On:	11 Mar 2025 10:17
Client Sample ID:	Q1514-01DL	Operator:	YP\AJ
Data file:	FF015649.D	Misc:	
Instrument:	FID_F	ALS Vial:	71
Dilution Factor:	2	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.503	6.375	324903	2.531	200	ug/ml
Aromatic C12-C16	6.376	9.068	804804	5.883	300	ug/ml
Aromatic C16-C21	9.069	13.389	8670761	65.175	500	ug/ml
Aromatic C21-C36	13.390	18.846	61959181	476.404	800	ug/ml
Aromatic EPH	4.503	18.846	71759649	549.993		ug/ml
2-Flurobiphenyl (SURR)	8.873	8.873	1600875	22.47		ug/ml
2-Bromonaphthalene (SURR)	7.991	7.991	2959399	25.42		ug/ml
ortho-Terphenyl (SURR)	11.929	11.929	2221251	15.1		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81
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
03/10/25 09:20	03/11/25 2:34	PB167058

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.47	U	1	0.47	1.23	mg/kg	FE052721.D
Aliphatic C12-C16	Aliphatic C12-C16	0.52	J	1	0.30	0.82	mg/kg	FE052721.D
Aliphatic C16-C21	Aliphatic C16-C21	0.37	U	1	0.37	1.23	mg/kg	FE052721.D
Aliphatic C21-C28	Aliphatic C21-C28	0.99	U	1	0.99	1.64	mg/kg	FE052721.D
Aliphatic C28-C40	Aliphatic C28-C40	3.26		1	2.22	2.47	mg/kg	FE052721.D
Aromatic C10-C12	Aromatic C10-C12	0.37	U	1	0.37	0.82	mg/kg	FF015642.D
Aromatic C12-C16	Aromatic C12-C16	0.49	J	1	0.42	1.23	mg/kg	FF015642.D
Aromatic C16-C21	Aromatic C16-C21	1.73	J	1	1.18	2.05	mg/kg	FF015642.D
Aromatic C21-C36	Aromatic C21-C36	2.47	U	1	2.47	3.29	mg/kg	FF015642.D
Total AliphaticEPH	Total AliphaticEPH	4.34	U		4.34	7.39	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.44	U		4.44	7.39	mg/kg	
Total EPH	Total EPH	8.78	U		8.78	14.8	mg/kg	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81
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
FE052721.D	1	03/10/25	03/11/25	PB167058

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.47	U	0.47	1.23	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.52	J	0.30	0.82	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.37	U	0.37	1.23	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.99	U	0.99	1.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.26		2.22	2.47	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		33.6		40 - 140	67%	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:	Q1514-03	Acq On:	11 Mar 2025 02:34
Client Sample ID:	ENV-105-SB02	Operator:	YP\AJ
Data file:	FE052721.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	464901	2.981	300	ug/ml
Aliphatic C12-C16	6.797	10.250	964505	6.341	200	ug/ml
Aliphatic C16-C21	10.251	13.630	500539	3.416	300	ug/ml
Aliphatic C21-C28	13.631	17.305	652029	4.577	400	ug/ml
Aliphatic C28-C40	17.306	22.234	5064467	39.694	600	ug/ml
Aliphatic EPH	3.151	22.234	7646441	57.009		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.357	13.357	4082642	33.62		ug/ml
Aliphatic C9-C28	3.151	17.305	2581974	17.315	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81
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
FF015642.D	1	03/10/25	03/10/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.37	U	0.37	0.82	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.49	J	0.42	1.23	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.73	J	1.18	2.05	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.47	U	2.47	3.29	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.2		40 - 140	102%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	49.6		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.4		40 - 140	51%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1514-03	Acq On:	10 Mar 2025 23:08
Client Sample ID:	ENV-105-SB02	Operator:	YP\AJ
Data file:	FF015642.D	Misc:	
Instrument:	FID_F	ALS Vial:	84
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.377	346820	2.702	200	ug/ml
Aromatic C12-C16	6.378	9.069	811947	5.935	300	ug/ml
Aromatic C16-C21	9.070	13.390	2806768	21.097	500	ug/ml
Aromatic C21-C36	13.391	18.845	1762997	13.556	800	ug/ml
Aromatic EPH	4.505	18.845	5728532	43.29		ug/ml
ortho-Terphenyl (SURR)	11.933	11.933	3740615	25.43		ug/ml
2-Bromonaphthalene (SURR)	7.997	7.997	5960858	51.2		ug/ml
2-Flurobiphenyl (SURR)	8.874	8.874	3536543	49.65		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 09:20	03/11/25 3:04	PB167058

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	1	0.43	1.12	mg/kg	FE052722.D
Aliphatic C12-C16	Aliphatic C12-C16	0.44	J	1	0.27	0.75	mg/kg	FE052722.D
Aliphatic C16-C21	Aliphatic C16-C21	0.34	U	1	0.34	1.12	mg/kg	FE052722.D
Aliphatic C21-C28	Aliphatic C21-C28	0.90	U	1	0.90	1.49	mg/kg	FE052722.D
Aliphatic C28-C40	Aliphatic C28-C40	2.02	U	1	2.02	2.24	mg/kg	FE052722.D
Aromatic C10-C12	Aromatic C10-C12	0.34	U	1	0.34	0.75	mg/kg	FF015643.D
Aromatic C12-C16	Aromatic C12-C16	0.38	U	1	0.38	1.12	mg/kg	FF015643.D
Aromatic C16-C21	Aromatic C16-C21	1.08	U	1	1.08	1.87	mg/kg	FF015643.D
Aromatic C21-C36	Aromatic C21-C36	2.24	U	1	2.24	2.99	mg/kg	FF015643.D
Total AliphaticEPH	Total AliphaticEPH	3.95	U		3.95	6.72	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.04	U		4.04	6.73	mg/kg	
Total EPH	Total EPH	7.99	U		7.99	13.4	mg/kg	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052722.D	1	03/10/25	03/11/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	0.43	1.12	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.44	J	0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.34	U	0.34	1.12	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.90	U	0.90	1.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.02	U	2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.0		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1514-05	Acq On:	11 Mar 2025 03:04
Client Sample ID:	ENV-103-SB01	Operator:	YP\AJ
Data file:	FE052722.D	Misc:	
Instrument:	FID_E	ALS Vial:	33
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	401501	2.575	300	ug/ml
Aliphatic C12-C16	6.797	10.250	903609	5.941	200	ug/ml
Aliphatic C16-C21	10.251	13.630	485029	3.31	300	ug/ml
Aliphatic C21-C28	13.631	17.305	416585	2.924	400	ug/ml
Aliphatic C28-C40	17.306	22.234	2835604	22.224	600	ug/ml
Aliphatic EPH	3.151	22.234	5042328	36.974		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.356	13.356	3522443	29.01		ug/ml
Aliphatic C9-C28	3.151	17.305	2206724	14.75	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015643.D	1	03/10/25	03/10/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.34	U	0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.38	U	0.38	1.12	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.08	U	1.08	1.87	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.24	U	2.24	2.99	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.6		40 - 140	111%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	54.3		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.0		40 - 140	54%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1514-05	Acq On:	10 Mar 2025 23:38
Client Sample ID:	ENV-103-SB01	Operator:	YP\AJ
Data file:	FF015643.D	Misc:	
Instrument:	FID_F	ALS Vial:	85
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.377	54960	0.428	200	ug/ml
Aromatic C12-C16	6.378	9.069	0	0	300	ug/ml
Aromatic C16-C21	9.070	13.390	1258358	9.459	500	ug/ml
Aromatic C21-C36	13.391	18.845	269243	2.07	800	ug/ml
Aromatic EPH	4.505	18.845	1582561	11.957		ug/ml
ortho-Terphenyl (SURR)	11.932	11.932	3967510	26.97		ug/ml
2-Bromonaphthalene (SURR)	7.997	7.997	6468886	55.57		ug/ml
2-Flurobiphenyl (SURR)	8.873	8.873	3869520	54.32		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 08:45	03/11/25 11:11	PB167056

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.15	J	1	6.13	31.9	ug/l	FC068394.D
Aliphatic C12-C16	Aliphatic C12-C16	16.2	J	1	3.84	21.3	ug/l	FC068394.D
Aliphatic C16-C21	Aliphatic C16-C21	70.0		1	5.47	31.9	ug/l	FC068394.D
Aliphatic C21-C28	Aliphatic C21-C28	9.54	U	1	9.54	42.6	ug/l	FC068394.D
Aliphatic C28-C40	Aliphatic C28-C40	44.9	J	1	18.1	63.8	ug/l	FC068394.D
Aromatic C10-C12	Aromatic C10-C12	4.47	J	1	3.53	21.3	ug/l	FD049184.D
Aromatic C12-C16	Aromatic C12-C16	9.43	J	1	3.93	31.9	ug/l	FD049184.D
Aromatic C16-C21	Aromatic C16-C21	162		1	13.5	53.2	ug/l	FD049184.D
Aromatic C21-C36	Aromatic C21-C36	46.8	J	1	26.8	85.1	ug/l	FD049184.D
Total AliphaticEPH	Total AliphaticEPH	137	J		43.1	192	ug/l	
Total AromaticEPH	Total AromaticEPH	223			47.8	192	ug/l	
Total EPH	Total EPH	360	J		90.8	383	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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	940 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
FC068394.D	1	03/10/25	03/11/25	PB167056

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		6.15	J	6.13	31.9	ug/l
Aliphatic C12-C16	Aliphatic C12-C16		16.2	J	3.84	21.3	ug/l
Aliphatic C16-C21	Aliphatic C16-C21		70.0		5.47	31.9	ug/l
Aliphatic C21-C28	Aliphatic C21-C28		9.54	U	9.54	42.6	ug/l
Aliphatic C28-C40	Aliphatic C28-C40		44.9	J	18.1	63.8	ug/l
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		37.3		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:	Q1514-07	Acq On:	11 Mar 2025 11:11
Client Sample ID:	ENV-105-GW01	Operator:	YP/AJ
Data file:	FC068394.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	3.101	6.364	422676	2.889	300	ug/ml
Aliphatic C12-C16	6.365	9.747	1074443	7.62	200	ug/ml
Aliphatic C16-C21	9.748	13.100	4509699	32.918	300	ug/ml
Aliphatic C21-C28	13.101	16.752	439984	3.352	400	ug/ml
Aliphatic C28-C40	16.753	21.552	2433160	21.082	600	ug/ml
Aliphatic EPH	3.101	21.552	8879962	67.862		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.847	12.847	4323331	37.33		ug/ml
Aliphatic C9-C28	3.101	16.752	6446802	46.779	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	940 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
FD049184.D	1	03/10/25	03/11/25	PB167056

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.47	J	3.53	21.3	ug/l
Aromatic C12-C16	Aromatic C12-C16	9.43	J	3.93	31.9	ug/l
Aromatic C16-C21	Aromatic C16-C21	162		13.5	53.2	ug/l
Aromatic C21-C36	Aromatic C21-C36	46.8	J	26.8	85.1	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	59.3		40 - 140	118%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	67.2		40 - 140	134%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.2		40 - 140	92%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1514-07	Acq On:	11 Mar 2025 11:11
Client Sample ID:	ENV-105-GW01	Operator:	YP/AJ
Data file:	FD049184.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	4.074	5.792	346031	2.1	200	ug/ml
Aromatic C12-C16	5.793	8.394	775726	4.434	300	ug/ml
Aromatic C16-C21	8.395	12.658	12111866	76.487	500	ug/ml
Aromatic C21-C36	12.659	18.072	2937981	21.986	800	ug/ml
Aromatic EPH	4.074	18.072	16171604	105.007		ug/ml
ortho-Terphenyl (SURR)	11.276	11.276	8081910	46.23		ug/ml
2-Bromonaphthalene (SURR)	7.350	7.350	9009388	59.25		ug/ml
2-Flurobiphenyl (SURR)	8.199	8.199	5352755	67.2		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 08:45	03/11/25 11:48	PB167056

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.20	J	1	6.00	31.2	ug/l	FC068395.D
Aliphatic C12-C16	Aliphatic C12-C16	9.77	J	1	3.76	20.8	ug/l	FC068395.D
Aliphatic C16-C21	Aliphatic C16-C21	68.0		1	5.35	31.2	ug/l	FC068395.D
Aliphatic C21-C28	Aliphatic C21-C28	9.34	U	1	9.34	41.7	ug/l	FC068395.D
Aliphatic C28-C40	Aliphatic C28-C40	48.1	J	1	17.7	62.5	ug/l	FC068395.D
Aromatic C10-C12	Aromatic C10-C12	4.45	J	1	3.46	20.8	ug/l	FD049185.D
Aromatic C12-C16	Aromatic C12-C16	7.00	J	1	3.84	31.2	ug/l	FD049185.D
Aromatic C16-C21	Aromatic C16-C21	30.6	J	1	13.2	52.1	ug/l	FD049185.D
Aromatic C21-C36	Aromatic C21-C36	100		1	26.2	83.3	ug/l	FD049185.D
Total AliphaticEPH	Total AliphaticEPH	132	J		42.1	187	ug/l	
Total AromaticEPH	Total AromaticEPH	142	J		46.7	187	ug/l	
Total EPH	Total EPH	274	J		88.8	375	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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	960 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
FC068395.D	1	03/10/25	03/11/25	PB167056

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		6.20	J	6.00	31.2	ug/l
Aliphatic C12-C16	Aliphatic C12-C16		9.77	J	3.76	20.8	ug/l
Aliphatic C16-C21	Aliphatic C16-C21		68.0		5.35	31.2	ug/l
Aliphatic C21-C28	Aliphatic C21-C28		9.34	U	9.34	41.7	ug/l
Aliphatic C28-C40	Aliphatic C28-C40		48.1	J	17.7	62.5	ug/l
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		33.6		40 - 140	67%	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:	Q1514-08	Acq On:	11 Mar 2025 11:48
Client Sample ID:	ENV-103-GW01	Operator:	YP/AJ
Data file:	FC068395.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	3.101	6.364	435623	2.978	300	ug/ml
Aliphatic C12-C16	6.365	9.747	660998	4.688	200	ug/ml
Aliphatic C16-C21	9.748	13.100	4469307	32.623	300	ug/ml
Aliphatic C21-C28	13.101	16.752	419638	3.197	400	ug/ml
Aliphatic C28-C40	16.753	21.552	2664638	23.088	600	ug/ml
Aliphatic EPH	3.101	21.552	8650204	66.574		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.832	12.832	3889203	33.58		ug/ml
Aliphatic C9-C28	3.101	16.752	5985566	43.486	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	03/05/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	03/06/25	
Client Sample ID:	ENV-103-GW01		SDG No.:	Q1514	
Lab Sample ID:	Q1514-08		Matrix:	Water	
Analytical Method:	NJEPH		% Solid:	0	
Sample Wt/Vol:	960	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
FD049185.D	1	03/10/25	03/11/25	PB167056

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.45	J	3.46	20.8	ug/l
Aromatic C12-C16	Aromatic C12-C16	7.00	J	3.84	31.2	ug/l
Aromatic C16-C21	Aromatic C16-C21	30.6	J	13.2	52.1	ug/l
Aromatic C21-C36	Aromatic C21-C36	100		26.2	83.3	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	57.4		40 - 140	115%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	64.8		40 - 140	130%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.4		40 - 140	89%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1514-08	Acq On:	11 Mar 2025 11:48
Client Sample ID:	ENV-103-GW01	Operator:	YP/AJ
Data file:	FD049185.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	4.074	5.792	352146	2.138	200	ug/ml
Aromatic C12-C16	5.793	8.394	587709	3.36	300	ug/ml
Aromatic C16-C21	8.395	12.658	2323555	14.673	500	ug/ml
Aromatic C21-C36	12.659	18.072	6439752	48.19	800	ug/ml
Aromatic EPH	4.074	18.072	9703162	68.361		ug/ml
ortho-Terphenyl (SURR)	11.235	11.235	7762988	44.41		ug/ml
2-Bromonaphthalene (SURR)	7.351	7.351	8734113	57.44		ug/ml
2-Flurobiphenyl (SURR)	8.202	8.202	5165352	64.85		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	800 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 08:45	03/11/25 12:25	PB167056

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.75	J	1	7.20	37.5	ug/l	FC068396.D
Aliphatic C12-C16	Aliphatic C12-C16	13.1	J	1	4.51	25.0	ug/l	FC068396.D
Aliphatic C16-C21	Aliphatic C16-C21	10.0	J	1	6.42	37.5	ug/l	FC068396.D
Aliphatic C21-C28	Aliphatic C21-C28	11.2	U	1	11.2	50.0	ug/l	FC068396.D
Aliphatic C28-C40	Aliphatic C28-C40	50.4	J	1	21.2	75.0	ug/l	FC068396.D
Aromatic C10-C12	Aromatic C10-C12	5.40	J	1	4.15	25.0	ug/l	FD049186.D
Aromatic C12-C16	Aromatic C12-C16	8.56	J	1	4.61	37.5	ug/l	FD049186.D
Aromatic C16-C21	Aromatic C16-C21	30.4	J	1	15.9	62.5	ug/l	FD049186.D
Aromatic C21-C36	Aromatic C21-C36	46.4	J	1	31.5	100	ug/l	FD049186.D
Total AliphaticEPH	Total AliphaticEPH	82.3	J		50.5	225	ug/l	
Total AromaticEPH	Total AromaticEPH	90.8	J		56.2	225	ug/l	
Total EPH	Total EPH	173	J		107	450	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:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	800 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
FC068396.D	1	03/10/25	03/11/25	PB167056

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.75	J	7.20	37.5	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13.1	J	4.51	25.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	10.0	J	6.42	37.5	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	11.2	U	11.2	50.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	50.4	J	21.2	75.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.1		40 - 140	96%	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:	Q1514-09	Acq On:	11 Mar 2025 12:25
Client Sample ID:	FB03062025	Operator:	YP/AJ
Data file:	FC068396.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.364	512020	3.5	300	ug/ml
Aliphatic C12-C16	6.365	9.747	738886	5.24	200	ug/ml
Aliphatic C16-C21	9.748	13.100	549080	4.008	300	ug/ml
Aliphatic C21-C28	13.101	16.752	437170	3.33	400	ug/ml
Aliphatic C28-C40	16.753	21.552	2328191	20.173	600	ug/ml
Aliphatic EPH	3.101	21.552	4565347	36.252		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.833	12.833	5570305	48.09		ug/ml
Aliphatic C9-C28	3.101	16.752	2237156	16.078	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	03/06/25
Client Sample ID:	FB03062025			SDG No.:	Q1514
Lab Sample ID:	Q1514-09			Matrix:	Water
Analytical Method:	NJEPH			% Solid:	0
Sample Wt/Vol:	800	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
FD049186.D	1	03/10/25	03/11/25	PB167056

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.40	J	4.15	25.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	8.56	J	4.61	37.5	ug/l
Aromatic C16-C21	Aromatic C16-C21	30.4	J	15.9	62.5	ug/l
Aromatic C21-C36	Aromatic C21-C36	46.4	J	31.5	100	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.6		40 - 140	95%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	51.2		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.6		40 - 140	93%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1514-09	Acq On:	11 Mar 2025 12:25
Client Sample ID:	FB03062025	Operator:	YP/AJ
Data file:	FD049186.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.074	5.792	356117	2.162	200	ug/ml
Aromatic C12-C16	5.793	8.394	599098	3.425	300	ug/ml
Aromatic C16-C21	8.395	12.658	1926944	12.169	500	ug/ml
Aromatic C21-C36	12.659	18.072	2481066	18.566	800	ug/ml
Aromatic EPH	4.074	18.072	5363225	36.321		ug/ml
ortho-Terphenyl (SURR)	11.233	11.233	8150096	46.62		ug/ml
2-Bromonaphthalene (SURR)	7.349	7.349	7237617	47.6		ug/ml
2-Flurobiphenyl (SURR)	8.201	8.201	4077938	51.2		ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Run Number: FC031125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB167056BL	71			0
PB167056BS	72			0
PB167056BSD	70			0
ENV-105-GW01	75			0
ENV-103-GW01	67			0
FB03062025	96			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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Run Number: FD031125AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB167056BL	109	117	90	0
PB167056BS	110	132	92	0
PB167056BSD	111	134	93	0
ENV-105-GW01	118	134	92	0
ENV-103-GW01	115	130	89	0
FB03062025	95	102	93	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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Run Number: FE031025AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB167058BL	74			0
PB167058BS	85			0
PB167058BSD	87			0
ENV-101-SB01MS	74			0
ENV-101-SB01MSD	77			0
ENV-105-SB01	66			0
ENV-105-SB02	67			0
ENV-103-SB01	58			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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Run Number: FE031125AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
ENV-105-SB01DL	64			0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM CASE No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Run Number: FF031025AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB167058BL	105	111	85	0
PB167058BS	132	135	111	0
PB167058BSD	118	119	99	0
ENV-101-SB01MS	110	108	65	0
ENV-101-SB01MSD	105	104	62	0
ENV-105-SB01	108	102	61	0
ENV-105-SB02	102	99	51	0
ENV-103-SB01	111	109	54	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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Run Number: FF031125AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
ENV-105-SB01DL	102	90	60	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:** Q1514 **SAS No :** Q1514 **SDG No:** Q1514

Sample No : Q1488-01MS **Datafile:** FE052713.D

Client ID : ENV-101-SB01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	11.3	0	6.85	61		(40-140)
Aliphatic C12-C16	7.5	0	6.01	80		(40-140)
Aliphatic C16-C21	11.3	0	9.92	88		(40-140)
Aliphatic C21-C28	15.1	0	13.1	87		(40-140)
Aliphatic C28-C40	22.6	0	22.1	98		(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:** Q1514 **SAS No :** Q1514 **SDG No:** Q1514

Sample No : Q1488-01MSD **Datafile:** FE052714.D

Client ID : ENV-101-SB01MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	11.3	0	6.97	62		1.63 |	(40-140)	25
Aliphatic C12-C16	7.5	0	6.12	81		1.86 |	(40-140)	25
Aliphatic C16-C21	11.3	0	10.1	90		1.8 |	(40-140)	25
Aliphatic C21-C28	15.1	0	13.3	88		1.6 |	(40-140)	25
Aliphatic C28-C40	22.6	0	22.5	100		1.82 |	(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:** Q1514 **SAS No :** Q1514 **SDG No:** Q1514

Sample No : Q1488-01MS **Datafile:** FF015634.D

Client ID : ENV-101-SB01MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	7.5	0	5.65	75		(40-140)
Aromatic C12-C16	11.3	0	9.65	86		(40-140)
Aromatic C16-C21	18.8	0	20.2	107		(40-140)
Aromatic C21-C36	30.1	0	28.9	96		(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:** Q1514 **SAS No :** Q1514 **SDG No:** Q1514

Sample No : Q1488-01MSD **Datafile:** FF015635.D

Client ID : ENV-101-SB01MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	7.5	0	5.41	72		4.35 |	(40-140)	25
Aromatic C12-C16	11.3	0	9.32	83		3.45 |	(40-140)	25
Aromatic C16-C21	18.8	0	19.4	103		3.81 |	(40-140)	25
Aromatic C21-C36	30.1	0	28.0	93		3.17 |	(40-140)	25

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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:** Q1514 **SAS No :** Q1514 **SDG No:** Q1514

Sample No : PB167056BS **Datafile:** FC068391.D

Client ID : PB167056BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aliphatic C9-C12	300	158	53		(40-140)
Aliphatic C12-C16	200	147	74		(40-140)
Aliphatic C16-C21	300	259	86		(40-140)
Aliphatic C21-C28	400	348	87		(40-140)
Aliphatic C28-C40	600	556	93		(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:** Q1514 **SAS No :** Q1514 **SDG No:** Q1514

Sample No : PB167056BSD **Datafile:** FC068392.D

Client ID : PB167056BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	300	155	52		2|	(40-140)	50
Aliphatic C12-C16	200	144	72		2.1|	(40-140)	50
Aliphatic C16-C21	300	253	84		2.3|	(40-140)	50
Aliphatic C21-C28	400	341	85		2|	(40-140)	50
Aliphatic C28-C40	600	554	92		0.396|	(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:** Q1514 **SAS No :** Q1514 **SDG No:** Q1514

Sample No : PB167056BS **Datafile:** FD049181.D

Client ID : PB167056BS

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	QC LIMITS
Aromatic C10-C12	200	145	72		(40-140)
Aromatic C12-C16	300	234	78		(40-140)
Aromatic C16-C21	500	499	100		(40-140)
Aromatic C21-C36	800	867	108		(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:** Q1514 **SAS No :** Q1514 **SDG No:** Q1514

Sample No : PB167056BSD **Datafile:** FD049182.D

Client ID : PB167056BSD

COMPOUND	SPIKE ADDED ug/l	LCS/LCSD CONCENTRATION ug/l	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	200	147	74		1.4|	(40-140)	50
Aromatic C12-C16	300	237	79		1.3|	(40-140)	50
Aromatic C16-C21	500	510	102		2.2|	(40-140)	50
Aromatic C21-C36	800	893	111		3.3|	(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:** Q1514 **SAS No :** Q1514 **SDG No:** Q1514

Sample No : PB167058BS **Datafile:** FE052709.D

Client ID : PB167058BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	5.47	55		(40-140)
Aliphatic C12-C16	6.7	5.36	80		(40-140)
Aliphatic C16-C21	10	9.08	91		(40-140)
Aliphatic C21-C28	13.3	12.1	91		(40-140)
Aliphatic C28-C40	20.0	20.4	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:** Q1514 **SAS No :** Q1514 **SDG No:** Q1514

Sample No : PB167058BSD **Datafile:** FE052710.D

Client ID : PB167058BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10	5.52	55		0.97|	(40-140)	50
Aliphatic C12-C16	6.7	5.40	81		0.68|	(40-140)	50
Aliphatic C16-C21	10	9.11	91		0.28|	(40-140)	50
Aliphatic C21-C28	13.3	12.2	92		0.83|	(40-140)	50
Aliphatic C28-C40	20.0	20.5	102		0.55|	(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:** Q1514 **SAS No :** Q1514 **SDG No:** Q1514

Sample No : PB167058BS **Datafile:** FF015630.D

Client ID : PB167058BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	5.59	84		(40-140)
Aromatic C12-C16	10	9.97	100		(40-140)
Aromatic C16-C21	16.7	19.4	116		(40-140)
Aromatic C21-C36	26.6	29.9	112		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** Portal Partners Tri-Venture

Lab Code: CHEM **Cas No:** Q1514 **SAS No :** Q1514 **SDG No:** Q1514

Sample No : PB167058BSD **Datafile:** FF015631.D

Client ID : PB167058BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	5.04	76		10.3|	(40-140)	50
Aromatic C12-C16	10	8.92	89		11.2|	(40-140)	50
Aromatic C16-C21	16.7	17.2	103		11.6|	(40-140)	50
Aromatic C21-C36	26.6	26.7	100		11.1|	(40-140)	50

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB167056BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Instrument ID: FID_C Lab Sample ID: PB167056BL

Matrix: (soil/water) Water Date Extracted: 3/10/2025 8:45:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167056BS	PB167056BS
PB167056BSD	PB167056BSD
ENV-105-GW01	Q1514-07
ENV-103-GW01	Q1514-08
FB03062025	Q1514-09

COMMENTS:

Form IV

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB167058BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Instrument ID: FID_C Lab Sample ID: PB167058BL

Matrix: (soil/water) Solid Date Extracted: 3/10/2025 9:20:00 A

Level: (low/med) low

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

EPA SAMPLE NO.	LAB SAMPLE ID
PB167058BS	PB167058BS
PB167058BSD	PB167058BSD
ENV-101-SB01MS	Q1488-01MS
ENV-101-SB01MSD	Q1488-01MSD
ENV-105-SB01	Q1514-01
ENV-105-SB02	Q1514-03
ENV-103-SB01	Q1514-05

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167056BL	SDG No.:	Q1514
Lab Sample ID:	PB167056BL	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
03/10/25 08:45	03/11/25 8:37	PB167056

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	FC068390.D
Aliphatic C12-C16	Aliphatic C12-C16	3.61	U	1	3.61	20.0	ug/l	FC068390.D
Aliphatic C16-C21	Aliphatic C16-C21	5.14	U	1	5.14	30.0	ug/l	FC068390.D
Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	1	8.97	40.0	ug/l	FC068390.D
Aliphatic C28-C40	Aliphatic C28-C40	17.0	U	1	17.0	60.0	ug/l	FC068390.D
Aromatic C10-C12	Aromatic C10-C12	3.32	U	1	3.32	20.0	ug/l	FD049180.D
Aromatic C12-C16	Aromatic C12-C16	3.69	U	1	3.69	30.0	ug/l	FD049180.D
Aromatic C16-C21	Aromatic C16-C21	12.7	U	1	12.7	50.0	ug/l	FD049180.D
Aromatic C21-C36	Aromatic C21-C36	25.2	U	1	25.2	80.0	ug/l	FD049180.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 2025	Date Received:	
Client Sample ID:	PB167056BL	SDG No.:	Q1514
Lab Sample ID:	PB167056BL	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
FC068390.D	1	03/10/25	03/11/25	PB167056

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)	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:	PB167056BL	Acq On:	11 Mar 2025 08:37
Client Sample ID:	PB167056BL	Operator:	YP/AJ
Data file:	FC068390.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	3.101	6.364	0	0	300	ug/ml
Aliphatic C12-C16	6.365	9.747	0	0	200	ug/ml
Aliphatic C16-C21	9.748	13.100	0	0	300	ug/ml
Aliphatic C21-C28	13.101	16.752	0	0	400	ug/ml
Aliphatic C28-C40	16.753	21.552	0	0	600	ug/ml
Aliphatic EPH	3.101	21.552	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.832	12.832	4133056	35.68		ug/ml
Aliphatic C9-C28	3.101	16.752	0	0	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB167056BL		SDG No.:	Q1514	
Lab Sample ID:	PB167056BL		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
FD049180.D	1	03/10/25	03/11/25	PB167056

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)	54.6		40 - 140	109%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	58.6		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.0		40 - 140	90%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167056BL	Acq On:	11 Mar 2025 08:37
Client Sample ID:	PB167056BL	Operator:	YP/AJ
Data file:	FD049180.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	4.074	5.792	0	0	200	ug/ml
Aromatic C12-C16	5.793	8.394	0	0	300	ug/ml
Aromatic C16-C21	8.395	12.658	0	0	500	ug/ml
Aromatic C21-C36	12.659	18.072	0	0	800	ug/ml
Aromatic EPH	4.074	18.072	0	0		ug/ml
2-Bromonaphthalene (SURR)	7.350	7.350	8309413	54.65		ug/ml
2-Flurobiphenyl (SURR)	8.201	8.201	4671364	58.65		ug/ml
ortho-Terphenyl (SURR)	11.233	11.233	7869757	45.02		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167058BL	SDG No.:	Q1514
Lab Sample ID:	PB167058BL	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
03/10/25 09:20	03/10/25 20:02	PB167058

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	FE052708.D
Aliphatic C12-C16	Aliphatic C12-C16	0.24	U	1	0.24	0.67	mg/kg	FE052708.D
Aliphatic C16-C21	Aliphatic C16-C21	0.30	U	1	0.30	1.00	mg/kg	FE052708.D
Aliphatic C21-C28	Aliphatic C21-C28	0.80	U	1	0.80	1.33	mg/kg	FE052708.D
Aliphatic C28-C40	Aliphatic C28-C40	1.80	U	1	1.80	2.00	mg/kg	FE052708.D
Aromatic C10-C12	Aromatic C10-C12	0.30	U	1	0.30	0.67	mg/kg	FF015629.D
Aromatic C12-C16	Aromatic C12-C16	0.34	U	1	0.34	1.00	mg/kg	FF015629.D
Aromatic C16-C21	Aromatic C16-C21	0.96	U	1	0.96	1.67	mg/kg	FF015629.D
Aromatic C21-C36	Aromatic C21-C36	2.00	U	1	2.00	2.67	mg/kg	FF015629.D
Total AliphaticEPH	Total AliphaticEPH	3.52	U		3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.60	U		3.60	6.01	mg/kg	
Total EPH	Total EPH	7.12	U		7.12	12.0	mg/kg	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167058BL	SDG No.:	Q1514
Lab Sample ID:	PB167058BL	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
FE052708.D	1	03/10/25	03/10/25	PB167058

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.38	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.24	U	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.30	U	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.80	U	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.80	U	1.80	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		37.1		40 - 140	74%	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:	PB167058BL	Acq On:	10 Mar 2025 20:02
Client Sample ID:	PB167058BL	Operator:	YP\AJ
Data file:	FE052708.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	0	0	300	ug/ml
Aliphatic C12-C16	6.797	10.250	0	0	200	ug/ml
Aliphatic C16-C21	10.251	13.630	0	0	300	ug/ml
Aliphatic C21-C28	13.631	17.305	0	0	400	ug/ml
Aliphatic C28-C40	17.306	22.234	0	0	600	ug/ml
Aliphatic EPH	3.151	22.234	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.358	13.358	4505970	37.11		ug/ml
Aliphatic C9-C28	3.151	17.305	0	0	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167058BL	SDG No.:	Q1514
Lab Sample ID:	PB167058BL	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
FF015629.D	1	03/10/25	03/10/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.30	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.34	U	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.96	U	0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.00	U	2.00	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.4		40 - 140	105%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	55.7		40 - 140	111%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.7		40 - 140	85%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167058BL	Acq On:	10 Mar 2025 16:47
Client Sample ID:	PB167058BL	Operator:	YP\AJ
Data file:	FF015629.D	Misc:	
Instrument:	FID_F	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.377	0	0	200	ug/ml
Aromatic C12-C16	6.378	9.069	0	0	300	ug/ml
Aromatic C16-C21	9.070	13.390	0	0	500	ug/ml
Aromatic C21-C36	13.391	18.845	0	0	800	ug/ml
Aromatic EPH	4.505	18.845	0	0		ug/ml
ortho-Terphenyl (SURR)	11.928	11.928	6277057	42.67		ug/ml
2-Bromonaphthalene (SURR)	7.986	7.986	6103809	52.43		ug/ml
2-Flurobiphenyl (SURR)	8.864	8.864	3965538	55.67		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167056BS	SDG No.:	Q1514
Lab Sample ID:	PB167056BS	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
03/10/25 08:45	03/11/25 9:14	PB167056

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	158		1	5.76	30.0	ug/l	FC068391.D
Aliphatic C12-C16	Aliphatic C12-C16	147		1	3.61	20.0	ug/l	FC068391.D
Aliphatic C16-C21	Aliphatic C16-C21	259		1	5.14	30.0	ug/l	FC068391.D
Aliphatic C21-C28	Aliphatic C21-C28	348		1	8.97	40.0	ug/l	FC068391.D
Aliphatic C28-C40	Aliphatic C28-C40	556		1	17.0	60.0	ug/l	FC068391.D
Aromatic C10-C12	Aromatic C10-C12	145		1	2.07	20.0	ug/l	FD049181.D
Aromatic C12-C16	Aromatic C12-C16	234		1	4.26	30.0	ug/l	FD049181.D
Aromatic C16-C21	Aromatic C16-C21	499		1	8.27	50.0	ug/l	FD049181.D
Aromatic C21-C36	Aromatic C21-C36	867		1	23.8	80.0	ug/l	FD049181.D
Total AliphaticEPH	Total AliphaticEPH	1470			40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	1750			38.4	180	ug/l	
Total EPH	Total EPH	3210			78.9	360	ug/l	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167056BS	SDG No.:	Q1514
Lab Sample ID:	PB167056BS	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
FC068391.D	1	03/10/25	03/11/25	PB167056

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	158		5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	147		3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	259		5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	348		8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	556		17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.2		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:	PB167056BS	Acq On:	11 Mar 2025 09:14
Client Sample ID:	PB167056BS	Operator:	YP/AJ
Data file:	FC068391.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	3.101	6.364	11628242	79.492	300	ug/ml
Aliphatic C12-C16	6.365	9.747	10425687	73.941	200	ug/ml
Aliphatic C16-C21	9.748	13.100	17790030	129.857	300	ug/ml
Aliphatic C21-C28	13.101	16.752	22901016	174.465	400	ug/ml
Aliphatic C28-C40	16.753	21.552	32110089	278.219	600	ug/ml
Aliphatic EPH	3.101	21.552	94855064	735.974		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.832	12.832	4190688	36.18		ug/ml
Aliphatic C9-C28	3.101	16.752	62744975	457.755	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167056BS	SDG No.:	Q1514
Lab Sample ID:	PB167056BS	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
FD049181.D	1	03/10/25	03/11/25	PB167056

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	145		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	234		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	499		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	867		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.9		40 - 140	110%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	65.9		40 - 140	132%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.9		40 - 140	92%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167056BS	Acq On:	11 Mar 2025 09:14
Client Sample ID:	PB167056BS	Operator:	YP/AJ
Data file:	FD049181.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	4.074	5.792	11945476	72.509	200	ug/ml
Aromatic C12-C16	5.793	8.394	20508850	117.236	300	ug/ml
Aromatic C16-C21	8.395	12.658	39565825	249.86	500	ug/ml
Aromatic C21-C36	12.659	18.072	57951527	433.664	800	ug/ml
Aromatic EPH	4.074	18.072	129971678	873.269		ug/ml
ortho-Terphenyl (SURR)	11.233	11.233	8030559	45.94		ug/ml
2-Bromonaphthalene (SURR)	7.349	7.349	8348883	54.91		ug/ml
2-Flurobiphenyl (SURR)	8.200	8.200	5252333	65.94		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167058BS	SDG No.:	Q1514
Lab Sample ID:	PB167058BS	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
03/10/25 09:20	03/10/25 20:32	PB167058

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.47		1	0.38	1.00	mg/kg	FE052709.D
Aliphatic C12-C16	Aliphatic C12-C16	5.36		1	0.24	0.67	mg/kg	FE052709.D
Aliphatic C16-C21	Aliphatic C16-C21	9.08		1	0.30	1.00	mg/kg	FE052709.D
Aliphatic C21-C28	Aliphatic C21-C28	12.1		1	0.80	1.33	mg/kg	FE052709.D
Aliphatic C28-C40	Aliphatic C28-C40	20.4		1	1.80	2.00	mg/kg	FE052709.D
Aromatic C10-C12	Aromatic C10-C12	5.59		1	0.30	0.67	mg/kg	FF015630.D
Aromatic C12-C16	Aromatic C12-C16	9.97		1	0.34	1.00	mg/kg	FF015630.D
Aromatic C16-C21	Aromatic C16-C21	19.4		1	0.96	1.67	mg/kg	FF015630.D
Aromatic C21-C36	Aromatic C21-C36	29.9		1	2.00	2.66	mg/kg	FF015630.D
Total AliphaticEPH	Total AliphaticEPH	52.4			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	64.9			3.60	6.00	mg/kg	
Total EPH	Total EPH	117			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 2025	Date Received:	
Client Sample ID:	PB167058BS	SDG No.:	Q1514
Lab Sample ID:	PB167058BS	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
FE052709.D	1	03/10/25	03/10/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.47		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.36		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.08		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.1		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.4		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.3		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167058BS	Acq On:	10 Mar 2025 20:32
Client Sample ID:	PB167058BS	Operator:	YP\AJ
Data file:	FE052709.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	12795551	82.05	300	ug/ml
Aliphatic C12-C16	6.797	10.250	12235580	80.445	200	ug/ml
Aliphatic C16-C21	10.251	13.630	19964697	136.233	300	ug/ml
Aliphatic C21-C28	13.631	17.305	25917745	181.94	400	ug/ml
Aliphatic C28-C40	17.306	22.234	39077191	306.274	600	ug/ml
Aliphatic EPH	3.151	22.234	109990764	786.942		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.359	13.359	5139492	42.33		ug/ml
Aliphatic C9-C28	3.151	17.305	70913573	480.668	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167058BS	SDG No.:	Q1514
Lab Sample ID:	PB167058BS	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
FF015630.D	1	03/10/25	03/10/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.59		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.97		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	19.4		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	29.9		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	66.2		40 - 140	132%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	67.6		40 - 140	135%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	55.5		40 - 140	111%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167058BS	Acq On:	10 Mar 2025 17:17
Client Sample ID:	PB167058BS	Operator:	YP\AJ
Data file:	FF015630.D	Misc:	
Instrument:	FID_F	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.377	10770670	83.909	200	ug/ml
Aromatic C12-C16	6.378	9.069	20479452	149.703	300	ug/ml
Aromatic C16-C21	9.070	13.390	38746853	291.244	500	ug/ml
Aromatic C21-C36	13.391	18.845	58466361	449.548	800	ug/ml
Aromatic EPH	4.505	18.845	128463336	974.405		ug/ml
ortho-Terphenyl (SURR)	11.934	11.934	8163013	55.49		ug/ml
2-Bromonaphthalene (SURR)	7.996	7.996	7701341	66.15		ug/ml
2-Flurobiphenyl (SURR)	8.873	8.873	4814742	67.59		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167056BSD	SDG No.:	Q1514
Lab Sample ID:	PB167056BSD	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
03/10/25 08:45	03/11/25 9:52	PB167056

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	155		1	5.76	30.0	ug/l	FC068392.D
Aliphatic C12-C16	Aliphatic C12-C16	144		1	3.61	20.0	ug/l	FC068392.D
Aliphatic C16-C21	Aliphatic C16-C21	253		1	5.14	30.0	ug/l	FC068392.D
Aliphatic C21-C28	Aliphatic C21-C28	341		1	8.97	40.0	ug/l	FC068392.D
Aliphatic C28-C40	Aliphatic C28-C40	554		1	17.0	60.0	ug/l	FC068392.D
Aromatic C10-C12	Aromatic C10-C12	147		1	2.07	20.0	ug/l	FD049182.D
Aromatic C12-C16	Aromatic C12-C16	237		1	4.26	30.0	ug/l	FD049182.D
Aromatic C16-C21	Aromatic C16-C21	510		1	8.27	50.0	ug/l	FD049182.D
Aromatic C21-C36	Aromatic C21-C36	893		1	23.8	80.0	ug/l	FD049182.D
Total AliphaticEPH	Total AliphaticEPH	1450			40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	1790			38.4	180	ug/l	
Total EPH	Total EPH	3230			78.9	360	ug/l	

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167056BSD	SDG No.:	Q1514
Lab Sample ID:	PB167056BSD	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
FC068392.D	1	03/10/25	03/11/25	PB167056

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	155		5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	144		3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	253		5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	341		8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	554		17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.8		40 - 140	70%	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:	PB167056BSD	Acq On:	11 Mar 2025 09:52
Client Sample ID:	PB167056BSD	Operator:	YP/AJ
Data file:	FC068392.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	3.101	6.364	11360536	77.662	300	ug/ml
Aliphatic C12-C16	6.365	9.747	10158983	72.049	200	ug/ml
Aliphatic C16-C21	9.748	13.100	17334464	126.532	300	ug/ml
Aliphatic C21-C28	13.101	16.752	22401548	170.659	400	ug/ml
Aliphatic C28-C40	16.753	21.552	31998862	277.256	600	ug/ml
Aliphatic EPH	3.101	21.552	93254393	724.158		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.833	12.833	4031444	34.81		ug/ml
Aliphatic C9-C28	3.101	16.752	61255531	446.902	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB167056BSD		SDG No.:	Q1514	
Lab Sample ID:	PB167056BSD		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
FD049182.D	1	03/10/25	03/11/25	PB167056

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	147		2.07	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	237		4.26	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	510		8.27	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	893		23.8	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.6		40 - 140	111%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	67.1		40 - 140	134%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.6		40 - 140	93%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167056BSD	Acq On:	11 Mar 2025 09:52
Client Sample ID:	PB167056BSD	Operator:	YP/AJ
Data file:	FD049182.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	4.074	5.792	12153074	73.769	200	ug/ml
Aromatic C12-C16	5.793	8.394	20815329	118.988	300	ug/ml
Aromatic C16-C21	8.395	12.658	40403471	255.15	500	ug/ml
Aromatic C21-C36	12.659	18.072	59670132	446.525	800	ug/ml
Aromatic EPH	4.074	18.072	133042006	894.432		ug/ml
2-Bromonaphthalene (SURR)	7.350	7.350	8458301	55.63		ug/ml
2-Flurobiphenyl (SURR)	8.200	8.200	5343847	67.09		ug/ml
ortho-Terphenyl (SURR)	11.233	11.233	8139549	46.56		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167058BSD	SDG No.:	Q1514
Lab Sample ID:	PB167058BSD	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
03/10/25 09:20	03/10/25 21:02	PB167058

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.52		1	0.38	1.00	mg/kg	FE052710.D
Aliphatic C12-C16	Aliphatic C12-C16	5.40		1	0.24	0.67	mg/kg	FE052710.D
Aliphatic C16-C21	Aliphatic C16-C21	9.11		1	0.30	1.00	mg/kg	FE052710.D
Aliphatic C21-C28	Aliphatic C21-C28	12.2		1	0.80	1.33	mg/kg	FE052710.D
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1	1.80	2.00	mg/kg	FE052710.D
Aromatic C10-C12	Aromatic C10-C12	5.04		1	0.30	0.67	mg/kg	FF015631.D
Aromatic C12-C16	Aromatic C12-C16	8.92		1	0.34	1.00	mg/kg	FF015631.D
Aromatic C16-C21	Aromatic C16-C21	17.2		1	0.96	1.67	mg/kg	FF015631.D
Aromatic C21-C36	Aromatic C21-C36	26.7		1	2.00	2.66	mg/kg	FF015631.D
Total AliphaticEPH	Total AliphaticEPH	52.7			3.52	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	57.9			3.60	6.00	mg/kg	
Total EPH	Total EPH	111			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 2025	Date Received:	
Client Sample ID:	PB167058BSD	SDG No.:	Q1514
Lab Sample ID:	PB167058BSD	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
FE052710.D	1	03/10/25	03/10/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.52		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.40		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.11		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.2		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.5		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.6		40 - 140	87%	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:	PB167058BSD	Acq On:	10 Mar 2025 21:02
Client Sample ID:	PB167058BSD	Operator:	YP\AJ
Data file:	FE052710.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	12921375	82.857	300	ug/ml
Aliphatic C12-C16	6.797	10.250	12321945	81.013	200	ug/ml
Aliphatic C16-C21	10.251	13.630	20040339	136.749	300	ug/ml
Aliphatic C21-C28	13.631	17.305	26003921	182.545	400	ug/ml
Aliphatic C28-C40	17.306	22.234	39350470	308.416	600	ug/ml
Aliphatic EPH	3.151	22.234	110638050	791.58		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.359	13.359	5296371	43.62		ug/ml
Aliphatic C9-C28	3.151	17.305	71287580	483.164	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167058BSD	SDG No.:	Q1514
Lab Sample ID:	PB167058BSD	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
FF015631.D	1	03/10/25	03/10/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.04		0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.92		0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	17.2		0.96	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	26.7		2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	58.9		40 - 140	118%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	59.7		40 - 140	119%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.4		40 - 140	99%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167058BSD	Acq On:	10 Mar 2025 17:46
Client Sample ID:	PB167058BSD	Operator:	YP\AJ
Data file:	FF015631.D	Misc:	
Instrument:	FID_F	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.377	9716976	75.7	200	ug/ml
Aromatic C12-C16	6.378	9.069	18310299	133.847	300	ug/ml
Aromatic C16-C21	9.070	13.390	34377265	258.4	500	ug/ml
Aromatic C21-C36	13.391	18.845	52124145	400.783	800	ug/ml
Aromatic EPH	4.505	18.845	114528685	868.73		ug/ml
2-Bromonaphthalene (SURR)	7.997	7.997	6861975	58.94		ug/ml
2-Flurobiphenyl (SURR)	8.874	8.874	4252404	59.7		ug/ml
ortho-Terphenyl (SURR)	11.935	11.935	7259660	49.35		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1514
Lab Sample ID:	Q1488-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
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
03/10/25 09:20	03/10/25 22:32	PB167058

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.85		1	0.43	1.13	mg/kg	FE052713.D
Aliphatic C12-C16	Aliphatic C12-C16	6.01		1	0.27	0.75	mg/kg	FE052713.D
Aliphatic C16-C21	Aliphatic C16-C21	9.92		1	0.34	1.13	mg/kg	FE052713.D
Aliphatic C21-C28	Aliphatic C21-C28	13.1		1	0.90	1.51	mg/kg	FE052713.D
Aliphatic C28-C40	Aliphatic C28-C40	22.1		1	2.03	2.26	mg/kg	FE052713.D
Aromatic C10-C12	Aromatic C10-C12	5.65		1	0.34	0.75	mg/kg	FF015634.D
Aromatic C12-C16	Aromatic C12-C16	9.65		1	0.38	1.13	mg/kg	FF015634.D
Aromatic C16-C21	Aromatic C16-C21	20.2		1	1.08	1.88	mg/kg	FF015634.D
Aromatic C21-C36	Aromatic C21-C36	28.9		1	2.26	3.01	mg/kg	FF015634.D
Total AliphaticEPH	Total AliphaticEPH	58.0			3.97	6.78	mg/kg	
Total AromaticEPH	Total AromaticEPH	64.4			4.06	6.77	mg/kg	
Total EPH	Total EPH	122			8.04	13.6	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 2025	Date Received:	
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1514
Lab Sample ID:	Q1488-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
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
FE052713.D	1	03/10/25	03/10/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.85		0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	6.01		0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	9.92		0.34	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	13.1		0.90	1.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.1		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.2		40 - 140	74%	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:	Q1488-01MS	Acq On:	10 Mar 2025 22:32
Client Sample ID:	Q1488-01MS	Operator:	YP\AJ
Data file:	FE052713.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	14189685	90.99	300	ug/ml
Aliphatic C12-C16	6.797	10.250	12145715	79.854	200	ug/ml
Aliphatic C16-C21	10.251	13.630	19314595	131.797	300	ug/ml
Aliphatic C21-C28	13.631	17.305	24800139	174.095	400	ug/ml
Aliphatic C28-C40	17.306	22.234	37529294	294.142	600	ug/ml
Aliphatic EPH	3.151	22.234	107979428	770.878		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.358	13.358	4515939	37.19		ug/ml
Aliphatic C9-C28	3.151	17.305	70450134	476.736	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1514
Lab Sample ID:	Q1488-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
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
FF015634.D	1	03/10/25	03/10/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.65		0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.65		0.38	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.2		1.08	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	28.9		2.26	3.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.8		40 - 140	110%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	54.0		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.3		40 - 140	65%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1488-01MS	Acq On:	10 Mar 2025 19:14
Client Sample ID:	ENV-101-SB01MS	Operator:	YP\AJ
Data file:	FF015634.D	Misc:	
Instrument:	FID_F	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.377	9632518	75.042	200	ug/ml
Aromatic C12-C16	6.378	9.069	17543252	128.24	300	ug/ml
Aromatic C16-C21	9.070	13.390	35645327	267.931	500	ug/ml
Aromatic C21-C36	13.391	18.845	49991384	384.384	800	ug/ml
Aromatic EPH	4.505	18.845	112812481	855.598		ug/ml
2-Bromonaphthalene (SURR)	7.997	7.997	6376280	54.77		ug/ml
2-Flurobiphenyl (SURR)	8.875	8.875	3847204	54.01		ug/ml
ortho-Terphenyl (SURR)	11.934	11.934	4755517	32.33		ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1514
Lab Sample ID:	Q1488-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 09:20	03/10/25 23:03	PB167058

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.97		1	0.43	1.13	mg/kg	FE052714.D
Aliphatic C12-C16	Aliphatic C12-C16	6.12		1	0.27	0.75	mg/kg	FE052714.D
Aliphatic C16-C21	Aliphatic C16-C21	10.1		1	0.34	1.13	mg/kg	FE052714.D
Aliphatic C21-C28	Aliphatic C21-C28	13.3		1	0.90	1.51	mg/kg	FE052714.D
Aliphatic C28-C40	Aliphatic C28-C40	22.5		1	2.03	2.26	mg/kg	FE052714.D
Aromatic C10-C12	Aromatic C10-C12	5.41		1	0.34	0.75	mg/kg	FF015635.D
Aromatic C12-C16	Aromatic C12-C16	9.32		1	0.38	1.13	mg/kg	FF015635.D
Aromatic C16-C21	Aromatic C16-C21	19.4		1	1.08	1.88	mg/kg	FF015635.D
Aromatic C21-C36	Aromatic C21-C36	28.0		1	2.26	3.01	mg/kg	FF015635.D
Total AliphaticEPH	Total AliphaticEPH	59.0			3.97	6.78	mg/kg	
Total AromaticEPH	Total AromaticEPH	62.1			4.06	6.77	mg/kg	
Total EPH	Total EPH	121			8.04	13.6	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 2025	Date Received:	
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1514
Lab Sample ID:	Q1488-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052714.D	1	03/10/25	03/10/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.97		0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	6.12		0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	10.1		0.34	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	13.3		0.90	1.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.5		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.6		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1488-01MSD	Acq On:	10 Mar 2025 23:03
Client Sample ID:	Q1488-01MSD	Operator:	YP\AJ
Data file:	FE052714.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	14451806	92.67	300	ug/ml
Aliphatic C12-C16	6.797	10.250	12376069	81.369	200	ug/ml
Aliphatic C16-C21	10.251	13.630	19637423	134	300	ug/ml
Aliphatic C21-C28	13.631	17.305	25253768	177.279	400	ug/ml
Aliphatic C28-C40	17.306	22.234	38123703	298.801	600	ug/ml
Aliphatic EPH	3.151	22.234	109842769	784.119		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.358	13.358	4685264	38.59		ug/ml
Aliphatic C9-C28	3.151	17.305	71719066	485.318	1200	ug/ml

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1514
Lab Sample ID:	Q1488-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015635.D	1	03/10/25	03/10/25	PB167058

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.41		0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	9.32		0.38	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	19.4		1.08	1.88	mg/kg
Aromatic C21-C36	Aromatic C21-C36	28.0		2.26	3.01	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.6		40 - 140	105%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	52.1		40 - 140	104%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.2		40 - 140	62%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1488-01MSD	Acq On:	10 Mar 2025 19:43
Client Sample ID:	ENV-101-SB01MSD	Operator:	YP\AJ
Data file:	FF015635.D	Misc:	
Instrument:	FID_F	ALS Vial:	77
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.505	6.377	9225495	71.871	200	ug/ml
Aromatic C12-C16	6.378	9.069	16936549	123.805	300	ug/ml
Aromatic C16-C21	9.070	13.390	34308114	257.88	500	ug/ml
Aromatic C21-C36	13.391	18.845	48358182	371.826	800	ug/ml
Aromatic EPH	4.505	18.845	108828340	825.383		ug/ml
ortho-Terphenyl (SURR)	11.934	11.934	4585479	31.17		ug/ml
2-Bromonaphthalene (SURR)	7.997	7.997	6125678	52.62		ug/ml
2-Flurobiphenyl (SURR)	8.875	8.875	3708178	52.06		ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FC030625AL

AreaCount

Parameter Range	FC068379.D	FC068380.D	FC068381.D	FC068382.D	FC068383.D	
Aliphatic C9-C12	39954639.000	20878360.000	8970230.000	4655530.000	2315238.000	
Aliphatic C12-C16	26001533.000	13461156.000	5785198.000	2975467.000	1469811.000	
Aliphatic C16-C21	37462314.000	19491428.000	8377351.000	4346793.000	2184750.000	
Aliphatic C21-C28	46903363.000	24786762.000	10667848.000	5665949.000	2802680.000	
Aliphatic C28-C40	58963830.000	31532442.000	14144019.000	7470425.000	3939270.000	
Aliphatic EPH	209285679.000	110150148.000	47944646.000	25114164.000	12711749.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	146281.7126664	6.633				
Aliphatic C12-C16	141000.725	5.838				
Aliphatic C16-C21	136996.5699998	6.738				
Aliphatic C21-C28	131264.6085	7.997				
Aliphatic C28-C40	115412.8196666	11.796				
Aliphatic EPH	130520.6472218	8.325				

Concentration

Parameter Range	FC068379.D	FC068380.D	FC068381.D	FC068382.D	FC068383.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	FC068379.D	FC068380.D	FC068381.D	FC068382.D	FC068383.D	
Aliphatic C9-C12	133182.130000	139189.066666	149503.833333	155184.333333	154349.200000	
Aliphatic C12-C16	130007.665000	134611.560000	144629.950000	148773.350000	146981.100000	
Aliphatic C16-C21	124874.380000	129942.853333	139622.516666	144893.100000	145650.000000	

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Inital Calibration Report for SequenceID : FC030625AL

Aliphatic C21-C28	117258.407500	123933.810000	133348.100000	141648.725000	140134.000000	
Aliphatic C28-C40	98273.050000	105108.140000	117866.825000	124507.083333	131309.000000	
Aliphatic EPH	116269.821666	122389.053333	133179.572222	139523.133333	141241.655555	

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Inital Calibration Report for SequenceID : FD030725AR

AreaCount

Parameter Range	FD049169.D	FD049170.D	FD049171.D	FD049172.D	FD049173.D	
Aromatic C10-C12	31502271.000	15949911.000	6606460.000	3264428.000	1783314.000	
Aromatic C12-C16	47514269.000	24214219.000	10240128.000	5275160.000	3125439.000	
Aromatic C16-C21	61123303.000	30786599.000	12629908.000	6229605.000	3428089.000	
Aromatic C21-C36	123102672.000	61167323.000	23962500.000	11516521.000	6046514.000	
Aromatic EPH	263242515.000	132118052.000	53438996.000	26285714.000	14383356.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	164744.953	4.959				
Aromatic C12-C16	174935.8179996	11.407				
Aromatic C16-C21	158351.9355	4.764				
Aromatic C21-C36	133632.2906662	2.596				
Aromatic EPH	149466.4287772	3.922				

Concentration

Parameter Range	FD049169.D	FD049170.D	FD049171.D	FD049172.D	FD049173.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	FD049169.D	FD049170.D	FD049171.D	FD049172.D	FD049173.D	
Aromatic C10-C12	157511.355000	159499.110000	165161.500000	163221.400000	178331.400000	
Aromatic C12-C16	158380.896666	161428.126666	170668.800000	175838.666666	208362.600000	
Aromatic C16-C21	152808.257500	153932.995000	157873.850000	155740.125000	171404.450000	
Aromatic C21-C36	136780.746666	135927.384444	133125.000000	127961.344444	134366.977777	
Aromatic EPH	146245.841666	146797.835555	148441.655555	146031.744444	159815.066666	

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Inital Calibration Report for SequenceID : FE030325AL

AreaCount

Parameter Range	FE052574.D	FE052575.D	FE052576.D	FE052577.D	FE052578.D	
Aliphatic C9-C12	42442133.000	21908913.000	9597805.000	4926333.000	2520517.000	
Aliphatic C12-C16	27580281.000	14251729.000	6250320.000	3204581.000	1635867.000	
Aliphatic C16-C21	39738338.000	20559097.000	9010211.000	4640638.000	2375408.000	
Aliphatic C21-C28	50608585.000	26547978.000	11639338.000	6148197.000	3076025.000	
Aliphatic C28-C40	66374736.000	34517397.000	15630021.000	8240673.000	4340048.000	
Aliphatic EPH	226744073.000	117785114.000	52127695.000	27160422.000	13947865.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	155948.4359996	7.435				
Aliphatic C12-C16	152098.489	7.415				
Aliphatic C16-C21	146548.0846662	7.685				
Aliphatic C21-C28	142451.8505	8.689				
Aliphatic C28-C40	127589.1083332	11.35				
Aliphatic EPH	141501.5884438	8.903				

Concentration

Parameter Range	FE052574.D	FE052575.D	FE052576.D	FE052577.D	FE052578.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	FE052574.D	FE052575.D	FE052576.D	FE052577.D	FE052578.D	
Aliphatic C9-C12	141473.776666	146059.420000	159963.416666	164211.100000	168034.466666	
Aliphatic C12-C16	137901.405000	142517.290000	156258.000000	160229.050000	163586.700000	
Aliphatic C16-C21	132461.126666	137060.646666	150170.183333	154687.933333	158360.533333	

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Inital Calibration Report for SequenceID : FE030325AL

Aliphatic C21-C28	126521.462500	132739.890000	145491.725000	153704.925000	153801.250000	
Aliphatic C28-C40	110624.560000	115057.990000	130250.175000	137344.550000	144668.266666	
Aliphatic EPH	125968.929444	130872.348888	144799.152777	150891.233333	154976.277777	

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Inital Calibration Report for SequenceID : FF022625AR

AreaCount

Parameter Range	FF015527.D	FF015528.D	FF015529.D	FF015530.D	FF015531.D	
Aromatic C10-C12	23792031.000	12461970.000	5148350.000	2881825.000	1254262.000	
Aromatic C12-C16	37158993.000	19494885.000	8182790.000	4664527.000	2074624.000	
Aromatic C16-C21	50062741.000	26061188.000	10794938.000	6008191.000	2491814.000	
Aromatic C21-C36	110416619.000	57062327.000	23513894.000	13223167.000	5545443.000	
Aromatic EPH	221430384.000	115080370.000	47639972.000	26777710.000	11366143.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	128361.211	7.376				
Aromatic C12-C16	136800.3086664	8.692				
Aromatic C16-C21	133038.9985	7.877				
Aromatic C21-C36	130055.838444	7.654				
Aromatic EPH	131654.5493328	7.699				

Concentration

Parameter Range	FF015527.D	FF015528.D	FF015529.D	FF015530.D	FF015531.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	FF015527.D	FF015528.D	FF015529.D	FF015530.D	FF015531.D	
Aromatic C10-C12	118960.155000	124619.700000	128708.750000	144091.250000	125426.200000	
Aromatic C12-C16	123863.310000	129965.900000	136379.833333	155484.233333	138308.266666	
Aromatic C16-C21	125156.852500	130305.940000	134936.725000	150204.775000	124590.700000	
Aromatic C21-C36	122685.132222	126805.171111	130632.744444	146924.077777	123232.066666	
Aromatic EPH	123016.880000	127867.077777	132333.255555	148765.055555	126290.477777	

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Continuing Calibration Report for SequenceID : FC031125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068389.D**						
Aliphatic C9-C12	8625598.000	60.000	3.101	6.364	143759.967	146281.713	1.724
Aliphatic C12-C16	5422929.000	40.000	6.365	9.747	135573.225	141000.725	3.849
Aliphatic C16-C21	7841092.000	60.000	9.748	13.100	130684.867	136996.570	4.607
Aliphatic C21-C28	9997401.000	80.000	13.101	16.752	124967.513	131264.609	4.797
Aliphatic C28-C40	12578828.000	120.000	16.753	21.552	104823.567	115412.820	9.175
Aliphatic EPH	44465848.000	360.000	3.101	21.552	123516.244	130520.647	5.367

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Mar 2025 08:00
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068389.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.101	6.364	8625598.000	60.000	ug/ml
Aliphatic C12-C16	6.365	9.747	5422929.000	40.000	ug/ml
Aliphatic C16-C21	9.748	13.100	7841092.000	60.000	ug/ml
Aliphatic C21-C28	13.101	16.752	9997401.000	80.000	ug/ml
Aliphatic C28-C40	16.753	21.552	12578828.000	120.000	ug/ml
Aliphatic EPH	3.101	21.552	44465848.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FC031125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FC068398.D**						
Aliphatic C9-C12	8542062.000	60.000	3.101	6.364	142367.700	146281.713	2.676
Aliphatic C12-C16	5395180.000	40.000	6.365	9.747	134879.500	141000.725	4.341
Aliphatic C16-C21	7880234.000	60.000	9.748	13.100	131337.233	136996.570	4.131
Aliphatic C21-C28	10092561.000	80.000	13.101	16.752	126157.013	131264.609	3.891
Aliphatic C28-C40	12905460.000	120.000	16.753	21.552	107545.500	115412.820	6.817
Aliphatic EPH	44815497.000	360.000	3.101	21.552	124487.492	130520.647	4.622

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Mar 2025 13:39
Client Sample ID:		Operator:	YP/AJ
Data file:	FC068398.D	Misc:	
Instrument:	FID_C	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.101	6.364	8542062.000	60.000	ug/ml
Aliphatic C12-C16	6.365	9.747	5395180.000	40.000	ug/ml
Aliphatic C16-C21	9.748	13.100	7880234.000	60.000	ug/ml
Aliphatic C21-C28	13.101	16.752	10092561.000	80.000	ug/ml
Aliphatic C28-C40	16.753	21.552	12905460.000	120.000	ug/ml
Aliphatic EPH	3.101	21.552	44815497.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FD031125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049179.D**						
Aromatic C10-C12	6699385.000	40.000	4.074	5.792	167484.625	164744.953	-1.663
Aromatic C12-C16	10091225.000	60.000	5.793	8.394	168187.083	174935.818	3.858
Aromatic C16-C21	12523109.000	80.000	8.395	12.658	156538.863	158351.936	1.145
Aromatic C21-C36	24929730.000	180.000	12.659	18.072	138498.500	133632.291	-3.641
Aromatic EPH	54243449.000	360.000	4.074	18.072	150676.247	149466.429	-0.809

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	11 Mar 2025 08:00
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049179.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.074	5.792	6699385.000	40.000	ug/ml
Aromatic C12-C16	5.793	8.394	10091225.000	60.000	ug/ml
Aromatic C16-C21	8.395	12.658	12523109.000	80.000	ug/ml
Aromatic C21-C36	12.659	18.072	24929730.000	180.000	ug/ml
Aromatic EPH	4.074	18.072	54243449.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FD031125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FD049188.D**						
Aromatic C10-C12	6767053.000	40.000	4.074	5.792	169176.325	164744.953	-2.690
Aromatic C12-C16	10153428.000	60.000	5.793	8.394	169223.800	174935.818	3.265
Aromatic C16-C21	12677995.000	80.000	8.395	12.658	158474.938	158351.936	-0.078
Aromatic C21-C36	26006138.000	180.000	12.659	18.072	144478.544	133632.291	-8.116
Aromatic EPH	55604614.000	360.000	4.074	18.072	154457.261	149466.429	-3.339

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	11 Mar 2025 13:39
Client Sample ID:		Operator:	YP/AJ
Data file:	FD049188.D	Misc:	
Instrument:	FID_D	ALS Vial:	52
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.074	5.792	6767053.000	40.000	ug/ml
Aromatic C12-C16	5.793	8.394	10153428.000	60.000	ug/ml
Aromatic C16-C21	8.395	12.658	12677995.000	80.000	ug/ml
Aromatic C21-C36	12.659	18.072	26006138.000	180.000	ug/ml
Aromatic EPH	4.074	18.072	55604614.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE031025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE052707.D**						
Aliphatic C9-C12	9658611.000	60.000	3.151	6.796	160976.850	155948.436	-3.224
Aliphatic C12-C16	6261558.000	40.000	6.797	10.250	156538.950	152098.489	-2.919
Aliphatic C16-C21	8993508.000	60.000	10.251	13.630	149891.800	146548.085	-2.282
Aliphatic C21-C28	11838283.000	80.000	13.631	17.305	147978.538	142451.851	-3.880
Aliphatic C28-C40	16154870.000	120.000	17.306	22.234	134623.917	127589.108	-5.514
Aliphatic EPH	52906830.000	360.000	3.151	22.234	146963.417	141501.588	-3.860

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	10 Mar 2025 19:02
Client Sample ID:		Operator:	YP\AJ
Data file:	FE052707.D	Misc:	
Instrument:	FID_E	ALS Vial:	4
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.151	6.796	9658611.000	60.000	ug/ml
Aliphatic C12-C16	6.797	10.250	6261558.000	40.000	ug/ml
Aliphatic C16-C21	10.251	13.630	8993508.000	60.000	ug/ml
Aliphatic C21-C28	13.631	17.305	11838283.000	80.000	ug/ml
Aliphatic C28-C40	17.306	22.234	16154870.000	120.000	ug/ml
Aliphatic EPH	3.151	22.234	52906830.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE031025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE052724.D**						
Aliphatic C9-C12	9237193.000	60.000	3.151	6.796	153953.217	155948.436	1.279
Aliphatic C12-C16	6047186.000	40.000	6.797	10.250	151179.650	152098.489	0.604
Aliphatic C16-C21	8666452.000	60.000	10.251	13.630	144440.867	146548.085	1.438
Aliphatic C21-C28	11193884.000	80.000	13.631	17.305	139923.550	142451.851	1.775
Aliphatic C28-C40	16605991.000	120.000	17.306	22.234	138383.258	127589.108	-8.460
Aliphatic EPH	51750706.000	360.000	3.151	22.234	143751.961	141501.588	-1.590

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Mar 2025 04:34
Client Sample ID:		Operator:	YP\AJ
Data file:	FE052724.D	Misc:	
Instrument:	FID_E	ALS Vial:	3
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.151	6.796	9237193.000	60.000	ug/ml
Aliphatic C12-C16	6.797	10.250	6047186.000	40.000	ug/ml
Aliphatic C16-C21	10.251	13.630	8666452.000	60.000	ug/ml
Aliphatic C21-C28	13.631	17.305	11193884.000	80.000	ug/ml
Aliphatic C28-C40	17.306	22.234	16605991.000	120.000	ug/ml
Aliphatic EPH	3.151	22.234	51750706.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE031125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE052727.D**						
Aliphatic C9-C12	9718254.000	60.000	3.148	6.791	161970.900	155948.436	-3.862
Aliphatic C12-C16	6383599.000	40.000	6.792	10.243	159589.975	152098.489	-4.925
Aliphatic C16-C21	9144320.000	60.000	10.244	13.622	152405.333	146548.085	-3.997
Aliphatic C21-C28	12023860.000	80.000	13.623	17.293	150298.250	142451.851	-5.508
Aliphatic C28-C40	16778160.000	120.000	17.294	22.207	139818.000	127589.108	-9.585
Aliphatic EPH	54048193.000	360.000	3.148	22.207	150133.869	141501.588	-6.100

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Mar 2025 09:46
Client Sample ID:		Operator:	YP\AJ
Data file:	FE052727.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.148	6.791	9718254.000	60.000	ug/ml
Aliphatic C12-C16	6.792	10.243	6383599.000	40.000	ug/ml
Aliphatic C16-C21	10.244	13.622	9144320.000	60.000	ug/ml
Aliphatic C21-C28	13.623	17.293	12023860.000	80.000	ug/ml
Aliphatic C28-C40	17.294	22.207	16778160.000	120.000	ug/ml
Aliphatic EPH	3.148	22.207	54048193.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FE031125AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FE052730.D**						
Aliphatic C9-C12	8465489.000	60.000	3.148	6.791	141091.483	155948.436	9.527
Aliphatic C12-C16	5547984.000	40.000	6.792	10.243	138699.600	152098.489	8.809
Aliphatic C16-C21	7907392.000	60.000	10.244	13.622	131789.867	146548.085	10.071
Aliphatic C21-C28	10405779.000	80.000	13.623	17.293	130072.238	142451.851	8.690
Aliphatic C28-C40	14607987.000	120.000	17.294	22.207	121733.225	127589.108	4.590
Aliphatic EPH	46934631.000	360.000	3.148	22.207	130373.975	141501.588	7.864

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	11 Mar 2025 11:50
Client Sample ID:		Operator:	YP\AJ
Data file:	FE052730.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.148	6.791	8465489.000	60.000	ug/ml
Aliphatic C12-C16	6.792	10.243	5547984.000	40.000	ug/ml
Aliphatic C16-C21	10.244	13.622	7907392.000	60.000	ug/ml
Aliphatic C21-C28	13.623	17.293	10405779.000	80.000	ug/ml
Aliphatic C28-C40	17.294	22.207	14607987.000	120.000	ug/ml
Aliphatic EPH	3.148	22.207	46934631.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FF031025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015628.D**						
Aromatic C10-C12	5303513.000	40.000	4.505	6.377	132587.825	128361.211	-3.293
Aromatic C12-C16	8424119.000	60.000	6.378	9.069	140401.983	136800.309	-2.633
Aromatic C16-C21	10513836.000	80.000	9.070	13.390	131422.950	133038.999	1.215
Aromatic C21-C36	21153413.000	180.000	13.391	18.845	117518.961	130055.838	9.640
Aromatic EPH	45394881.000	360.000	4.505	18.845	126096.892	131654.549	4.221

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	10 Mar 2025 13:29
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015628.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.505	6.377	5303513.000	40.000	ug/ml
Aromatic C12-C16	6.378	9.069	8424119.000	60.000	ug/ml
Aromatic C16-C21	9.070	13.390	10513836.000	80.000	ug/ml
Aromatic C21-C36	13.391	18.845	21153413.000	180.000	ug/ml
Aromatic EPH	4.505	18.845	45394881.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FF031025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015645.D**						
Aromatic C10-C12	5366584.000	40.000	4.505	6.377	134164.600	128361.211	-4.521
Aromatic C12-C16	8486524.000	60.000	6.378	9.069	141442.067	136800.309	-3.393
Aromatic C16-C21	10783294.000	80.000	9.070	13.390	134791.175	133038.999	-1.317
Aromatic C21-C36	22388226.000	180.000	13.391	18.845	124379.033	130055.838	4.365
Aromatic EPH	47024628.000	360.000	4.505	18.845	130623.967	131654.549	0.783

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	11 Mar 2025 01:05
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015645.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.505	6.377	5366584.000	40.000	ug/ml
Aromatic C12-C16	6.378	9.069	8486524.000	60.000	ug/ml
Aromatic C16-C21	9.070	13.390	10783294.000	80.000	ug/ml
Aromatic C21-C36	13.391	18.845	22388226.000	180.000	ug/ml
Aromatic EPH	4.505	18.845	47024628.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FF031125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015648.D**						
Aromatic C10-C12	5382432.000	40.000	4.503	6.375	134560.800	128361.211	-4.830
Aromatic C12-C16	8526833.000	60.000	6.376	9.068	142113.883	136800.309	-3.884
Aromatic C16-C21	10772718.000	80.000	9.069	13.389	134658.975	133038.999	-1.218
Aromatic C21-C36	22365775.000	180.000	13.390	18.846	124254.306	130055.838	4.461
Aromatic EPH	47047758.000	360.000	4.503	18.846	130688.217	131654.549	0.734

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	11 Mar 2025 09:36
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015648.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.503	6.375	5382432.000	40.000	ug/ml
Aromatic C12-C16	6.376	9.068	8526833.000	60.000	ug/ml
Aromatic C16-C21	9.069	13.389	10772718.000	80.000	ug/ml
Aromatic C21-C36	13.390	18.846	22365775.000	180.000	ug/ml
Aromatic EPH	4.503	18.846	47047758.000	360.000	ug/ml

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Fax : 908 789 8922

Continuing Calibration Report for SequenceID : FF031125AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015651.D**						
Aromatic C10-C12	5477031.000	40.000	4.503	6.375	136925.775	128361.211	-6.672
Aromatic C12-C16	8600013.000	60.000	6.376	9.068	143333.550	136800.309	-4.776
Aromatic C16-C21	10909525.000	80.000	9.069	13.389	136369.063	133038.999	-2.503
Aromatic C21-C36	22831546.000	180.000	13.390	18.846	126841.922	130055.838	2.471
Aromatic EPH	47818115.000	360.000	4.503	18.846	132828.097	131654.549	-0.891

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Fax : 908 789 8922

Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	11 Mar 2025 11:15
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015651.D	Misc:	
Instrument:	FID_F	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.503	6.375	5477031.000	40.000	ug/ml
Aromatic C12-C16	6.376	9.068	8600013.000	60.000	ug/ml
Aromatic C16-C21	9.069	13.389	10909525.000	80.000	ug/ml
Aromatic C21-C36	13.390	18.846	22831546.000	180.000	ug/ml
Aromatic EPH	4.503	18.846	47818115.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052720.D
Signal(s) : FID1B.ch
Acq On : 11 Mar 2025 02:04
Operator : YP\AJ
Sample : Q1514-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-105-SB01

Integration File: autoint1.e
Quant Time: Mar 11 05:26:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.357	4035950	33.238 ug/ml
Spiked Amount 50.000		Recovery = 66.48%	
Target Compounds			

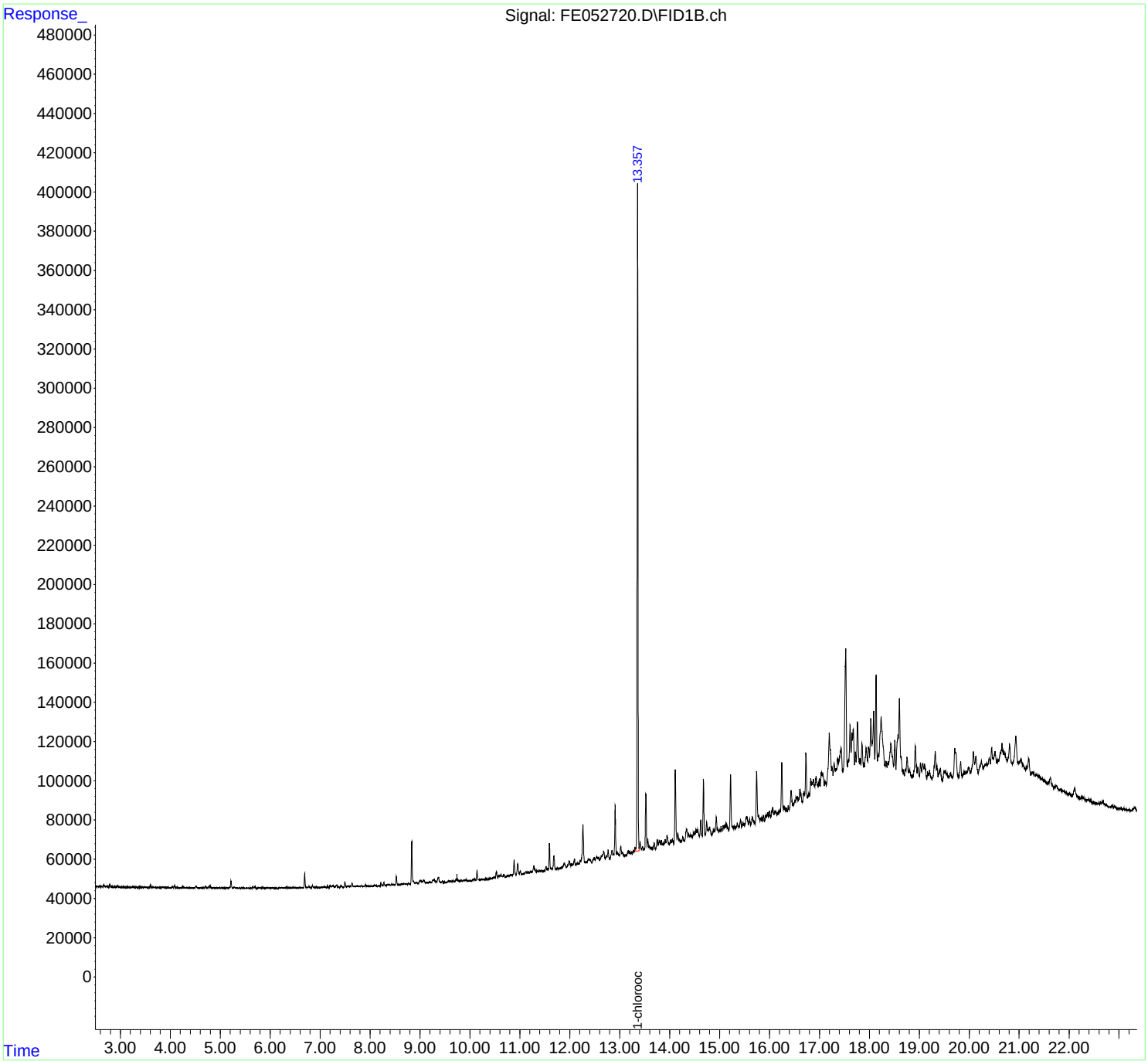
(f)=RT Delta > 1/2 Window (m)=manual int.

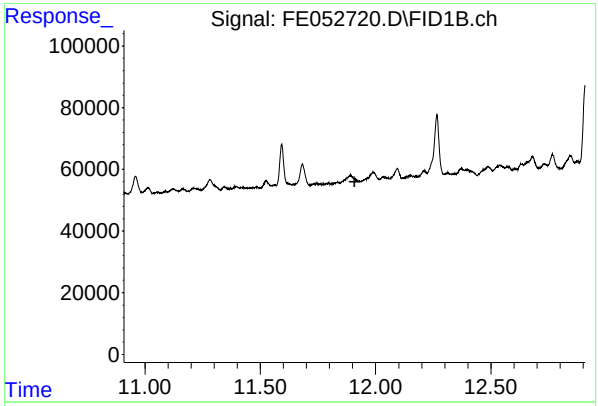
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052720.D
Signal(s) : FID1B.ch
Acq On : 11 Mar 2025 02:04
Operator : YP\AJ
Sample : Q1514-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-105-SB01

Integration File: autoint1.e
Quant Time: Mar 11 05:26:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

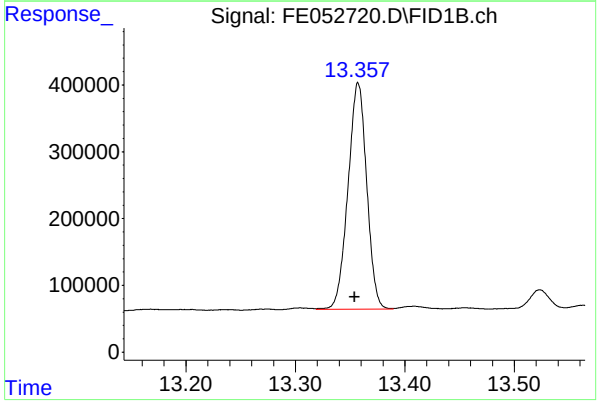




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.909 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
ENV-105-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.357 min
Delta R.T.: 0.003 min
Response: 4035950
Conc: 33.24 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052720.D
Signal(s) : FID1B.ch
Acq On : 11 Mar 2025 02:04
Sample : Q1514-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.833	2.805	2.854	BV	55	-369	-0.01%	-0.000%
2	2.883	2.854	2.921	PV	165	3447	0.08%	0.002%
3	2.944	2.921	3.002	PV	546	7096	0.16%	0.004%
4	3.014	3.002	3.025	PV	171	1206	0.03%	0.001%
5	3.032	3.025	3.051	VV	97	1287	0.03%	0.001%
6	3.059	3.051	3.078	VV	123	1594	0.04%	0.001%
7	3.095	3.078	3.111	PV	102	1580	0.04%	0.001%
8	3.119	3.111	3.141	VV	131	1361	0.03%	0.001%
9	3.160	3.141	3.186	VV	148	1891	0.04%	0.001%
10	3.195	3.186	3.211	VV	83	825	0.02%	0.000%
11	3.251	3.211	3.317	VV	518	9589	0.22%	0.006%
12	3.331	3.317	3.350	VV	115	1349	0.03%	0.001%
13	3.364	3.350	3.378	VV	79	1010	0.02%	0.001%
14	3.396	3.378	3.416	VV	141	1865	0.04%	0.001%
15	3.422	3.416	3.455	VV	66	1831	0.04%	0.001%
16	3.464	3.455	3.484	VV	143	2096	0.05%	0.001%
17	3.499	3.484	3.512	VV	170	2317	0.05%	0.001%
18	3.606	3.512	3.628	VV	1471	23440	0.54%	0.014%
19	3.642	3.628	3.684	VV	308	5294	0.12%	0.003%
20	3.701	3.684	3.719	VV	276	3530	0.08%	0.002%
21	3.737	3.719	3.750	VV	141	1974	0.05%	0.001%
22	3.762	3.750	3.771	VV	132	1436	0.03%	0.001%
23	3.780	3.771	3.820	VV	166	2892	0.07%	0.002%
24	3.838	3.820	3.877	VV	168	4183	0.10%	0.003%
25	3.889	3.877	3.921	VV	184	2604	0.06%	0.002%
26	3.938	3.921	4.001	PV	177	4865	0.11%	0.003%
27	4.048	4.001	4.064	VV	491	6401	0.15%	0.004%
28	4.084	4.064	4.138	VV	965	14941	0.34%	0.009%
29	4.158	4.138	4.189	VV	220	3947	0.09%	0.002%
30	4.254	4.189	4.291	PV	689	13652	0.31%	0.008%
31	4.319	4.291	4.356	VV	163	3969	0.09%	0.002%
32	4.381	4.356	4.423	VV	156	3619	0.08%	0.002%
33	4.444	4.423	4.484	VV	196	4113	0.09%	0.002%
34	4.513	4.484	4.569	VV	908	17159	0.39%	0.010%
35	4.578	4.569	4.597	VV	131	1364	0.03%	0.001%
36	4.638	4.597	4.667	VV	268	5574	0.13%	0.003%

rteres

37	4.701	4.667	4.721	VV	1004	13341	0.31%	0.008%
38	4.734	4.721	4.748	VV	229	3238	0.07%	0.002%
39	4.763	4.748	4.778	VV	795	8440	0.19%	0.005%
40	4.797	4.778	4.842	VV	1593	18246	0.42%	0.011%
41	4.855	4.842	4.885	VV	169	3129	0.07%	0.002%
42	4.893	4.885	4.907	VV	165	1765	0.04%	0.001%
43	4.921	4.907	4.945	VV	217	3890	0.09%	0.002%
44	4.951	4.945	5.005	VV	214	5763	0.13%	0.003%
45	5.025	5.005	5.058	VV	230	4145	0.10%	0.002%
46	5.069	5.058	5.110	VV	85	2529	0.06%	0.002%
47	5.129	5.110	5.159	VV	291	4797	0.11%	0.003%
48	5.216	5.159	5.255	VV	3730	51734	1.19%	0.031%
49	5.277	5.255	5.318	VV	754	12672	0.29%	0.008%
50	5.335	5.318	5.375	VV	195	3730	0.09%	0.002%
51	5.425	5.375	5.448	PV	255	5285	0.12%	0.003%
52	5.461	5.448	5.505	VV	298	6260	0.14%	0.004%
53	5.527	5.505	5.574	VV	184	5323	0.12%	0.003%
54	5.595	5.574	5.632	VV	171	3384	0.08%	0.002%
55	5.655	5.632	5.672	VV	876	11182	0.26%	0.007%
56	5.699	5.672	5.737	VV	1123	18224	0.42%	0.011%
57	5.760	5.737	5.814	VV	310	7851	0.18%	0.005%
58	5.842	5.814	5.868	VV	364	7685	0.18%	0.005%
59	5.888	5.868	5.913	VV	158	3145	0.07%	0.002%
60	5.964	5.913	6.001	VV	326	9227	0.21%	0.006%
61	6.010	6.001	6.052	VV	197	5154	0.12%	0.003%
62	6.064	6.052	6.074	VV	208	1788	0.04%	0.001%
63	6.083	6.074	6.121	VV	193	2300	0.05%	0.001%
64	6.136	6.121	6.155	PV	127	1496	0.03%	0.001%
65	6.188	6.155	6.201	VV	191	3676	0.08%	0.002%
66	6.231	6.201	6.268	VV	375	8745	0.20%	0.005%
67	6.291	6.268	6.305	VV	310	4843	0.11%	0.003%
68	6.334	6.305	6.357	VV	652	10519	0.24%	0.006%
69	6.400	6.357	6.430	VV	358	8660	0.20%	0.005%
70	6.474	6.430	6.499	VV	430	9736	0.22%	0.006%
71	6.516	6.499	6.541	VV	233	3782	0.09%	0.002%
72	6.579	6.541	6.598	VV	298	6023	0.14%	0.004%
73	6.600	6.598	6.668	VV	267	7803	0.18%	0.005%
74	6.692	6.668	6.743	VV	7498	83446	1.92%	0.050%
75	6.777	6.743	6.798	VV	700	10964	0.25%	0.007%
76	6.814	6.798	6.826	VV	401	4187	0.10%	0.003%
77	6.847	6.826	6.866	VV	1354	15870	0.36%	0.009%
78	6.880	6.866	6.905	VV	425	5710	0.13%	0.003%
79	6.920	6.905	6.948	PV	550	6655	0.15%	0.004%
80	6.966	6.948	6.993	VV	226	4072	0.09%	0.002%
81	7.016	6.993	7.040	VV	311	4732	0.11%	0.003%
82	7.057	7.040	7.066	VV	218	2273	0.05%	0.001%
83	7.096	7.066	7.119	VV	380	6699	0.15%	0.004%
84	7.149	7.119	7.181	VV	758	10351	0.24%	0.006%
85	7.202	7.181	7.217	VV	890	12133	0.28%	0.007%
86	7.252	7.217	7.287	VV	886	25758	0.59%	0.015%
87	7.332	7.287	7.390	VV	1196	31560	0.73%	0.019%
88	7.415	7.390	7.452	PV	701	12712	0.29%	0.008%
89	7.498	7.452	7.529	VV	2841	36348	0.84%	0.022%

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90	7.560	7.529	7.585	VV	458	11566	0.27%	0.007%
91	7.607	7.585	7.617	VV	494	7353	0.17%	0.004%
92	7.642	7.617	7.665	VV	2056	27617	0.63%	0.017%
93	7.682	7.665	7.721	VV	395	10054	0.23%	0.006%
94	7.736	7.721	7.753	VV	588	7970	0.18%	0.005%
95	7.768	7.753	7.784	VV	375	5171	0.12%	0.003%
96	7.795	7.784	7.803	VV	262	2829	0.07%	0.002%
97	7.829	7.803	7.861	VV	513	9043	0.21%	0.005%
98	7.871	7.861	7.880	VV	124	814	0.02%	0.000%
99	7.908	7.880	7.925	PV	962	12110	0.28%	0.007%
100	7.937	7.925	7.959	VV	445	6656	0.15%	0.004%
101	7.988	7.959	8.011	VV	306	7718	0.18%	0.005%
102	8.020	8.011	8.040	VV	307	2937	0.07%	0.002%
103	8.076	8.040	8.095	PV	466	8260	0.19%	0.005%
104	8.112	8.095	8.158	VV	331	8544	0.20%	0.005%
105	8.176	8.158	8.195	PV	333	3912	0.09%	0.002%
106	8.219	8.195	8.239	VV	1318	15644	0.36%	0.009%
107	8.277	8.239	8.303	VV	1827	25558	0.59%	0.015%
108	8.320	8.303	8.335	VV	294	3695	0.08%	0.002%
109	8.348	8.335	8.366	VV	798	9905	0.23%	0.006%
110	8.376	8.366	8.414	VV	592	11895	0.27%	0.007%
111	8.435	8.414	8.457	VV	737	10667	0.25%	0.006%
112	8.469	8.457	8.496	VV	402	6690	0.15%	0.004%
113	8.529	8.496	8.571	VV	4508	58257	1.34%	0.035%
114	8.588	8.571	8.605	VV	323	3744	0.09%	0.002%
115	8.627	8.605	8.638	VV	490	6777	0.16%	0.004%
116	8.684	8.638	8.700	VV	738	16684	0.38%	0.010%
117	8.724	8.700	8.749	VV	647	12730	0.29%	0.008%
118	8.767	8.749	8.803	VV	702	11563	0.27%	0.007%
119	8.836	8.803	8.898	VV	22004	271153	6.23%	0.162%
120	8.918	8.898	8.968	VV	784	23108	0.53%	0.014%
121	9.022	8.968	9.038	VV	1618	51034	1.17%	0.031%
122	9.074	9.038	9.115	VV	2063	56767	1.30%	0.034%
123	9.138	9.115	9.166	VV	560	14777	0.34%	0.009%
124	9.189	9.166	9.208	VV	643	11887	0.27%	0.007%
125	9.222	9.208	9.231	VV	512	6647	0.15%	0.004%
126	9.259	9.231	9.271	VV	1679	28161	0.65%	0.017%
127	9.290	9.271	9.328	VV	1622	40970	0.94%	0.024%
128	9.371	9.328	9.425	VV	2711	70695	1.62%	0.042%
129	9.447	9.425	9.471	VV	826	12328	0.28%	0.007%
130	9.494	9.471	9.513	VV	477	5175	0.12%	0.003%
131	9.522	9.513	9.535	VV	94	826	0.02%	0.000%
132	9.566	9.535	9.588	PV	696	12865	0.30%	0.008%
133	9.603	9.588	9.632	VV	531	11625	0.27%	0.007%
134	9.667	9.632	9.681	VV	636	13297	0.31%	0.008%
135	9.740	9.681	9.780	VV	2275	46595	1.07%	0.028%
136	9.825	9.780	9.845	VV	636	16527	0.38%	0.010%
137	9.868	9.845	9.885	VV	821	12093	0.28%	0.007%
138	9.921	9.885	9.947	VV	1006	21192	0.49%	0.013%
139	10.015	9.947	10.035	VV	245	7509	0.17%	0.004%
140	10.063	10.035	10.081	PV	888	14132	0.32%	0.008%
141	10.099	10.081	10.118	VV	744	11962	0.27%	0.007%

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142	10.143	10.118	10.175	VV	5010	63063	1.45%	0.038%
143	10.216	10.175	10.235	VV	447	11739	0.27%	0.007%
144	10.245	10.235	10.280	VV	449	6923	0.16%	0.004%
145	10.318	10.280	10.345	VV	383	8430	0.19%	0.005%
146	10.353	10.345	10.361	VV	136	1138	0.03%	0.001%
147	10.415	10.361	10.434	VV	408	11785	0.27%	0.007%
148	10.461	10.434	10.471	VV	656	9336	0.21%	0.006%
149	10.488	10.471	10.503	VV	839	12784	0.29%	0.008%
150	10.533	10.503	10.558	VV	3649	62215	1.43%	0.037%
151	10.589	10.558	10.602	VV	1387	29547	0.68%	0.018%
152	10.623	10.602	10.645	VV	1873	35528	0.82%	0.021%
153	10.681	10.645	10.711	VV	1920	41304	0.95%	0.025%
154	10.751	10.711	10.766	VV	1073	27145	0.62%	0.016%
155	10.785	10.766	10.801	VV	1163	21826	0.50%	0.013%
156	10.818	10.801	10.845	VV	1352	29532	0.68%	0.018%
157	10.887	10.845	10.925	VV	8464	140436	3.23%	0.084%
158	10.959	10.925	10.988	VV	6651	123284	2.83%	0.074%
159	11.013	10.988	11.035	VV	2715	53772	1.24%	0.032%
160	11.052	11.035	11.068	VV	1214	22142	0.51%	0.013%
161	11.122	11.068	11.145	VV	2213	70409	1.62%	0.042%
162	11.164	11.145	11.191	VV	2017	45129	1.04%	0.027%
163	11.210	11.191	11.244	VV	2082	56506	1.30%	0.034%
164	11.282	11.244	11.327	VV	4845	141531	3.25%	0.085%
165	11.344	11.327	11.361	VV	2340	38665	0.89%	0.023%
166	11.396	11.361	11.435	VV	2287	82745	1.90%	0.049%
167	11.444	11.435	11.452	VV	1825	17437	0.40%	0.010%
168	11.483	11.452	11.501	VV	1824	50730	1.17%	0.030%
169	11.526	11.501	11.555	VV	3838	85405	1.96%	0.051%
170	11.593	11.555	11.641	VV	15557	275112	6.32%	0.164%
171	11.683	11.641	11.716	VV	8860	196517	4.52%	0.117%
172	11.747	11.716	11.771	VV	2434	73191	1.68%	0.044%
173	11.798	11.771	11.815	VV	2392	58970	1.36%	0.035%
174	11.890	11.815	11.933	VV	4610	228872	5.26%	0.137%
175	11.989	11.933	12.016	VV	5494	195943	4.50%	0.117%
176	12.033	12.016	12.062	VV	3953	98408	2.26%	0.059%
177	12.094	12.062	12.115	VV	6609	147467	3.39%	0.088%
178	12.154	12.115	12.175	VV	4199	135238	3.11%	0.081%
179	12.211	12.175	12.223	VV	5496	128962	2.96%	0.077%
180	12.266	12.223	12.298	VV	23263	477257	10.97%	0.285%
181	12.313	12.298	12.329	VV	4598	80557	1.85%	0.048%
182	12.371	12.329	12.440	VV	5784	318825	7.33%	0.191%
183	12.488	12.440	12.508	VV	6160	206498	4.75%	0.123%
184	12.539	12.508	12.561	VV	6553	187963	4.32%	0.112%
185	12.574	12.561	12.593	VV	5871	107028	2.46%	0.064%
186	12.605	12.593	12.612	VV	5276	57034	1.31%	0.034%
187	12.680	12.612	12.711	VV	9113	403488	9.27%	0.241%
188	12.730	12.711	12.745	VV	6397	121884	2.80%	0.073%
189	12.767	12.745	12.808	VV	9390	249690	5.74%	0.149%
190	12.844	12.808	12.864	VV	8941	241249	5.54%	0.144%
191	12.875	12.864	12.883	VV	7057	78448	1.80%	0.047%
192	12.909	12.883	12.991	VV	31815	738872	16.98%	0.442%
193	13.021	12.991	13.043	VV	10568	251367	5.78%	0.150%
194	13.056	13.043	13.094	VV	7509	203031	4.67%	0.121%

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195	13.124	13.094	13.139	VV	6155	160012	3.68%	0.096%
196	13.167	13.139	13.181	VV	8032	176197	4.05%	0.105%
197	13.196	13.181	13.220	VV	7562	165229	3.80%	0.099%
198	13.237	13.220	13.251	VV	7038	127988	2.94%	0.077%
199	13.273	13.251	13.285	VV	7997	147793	3.40%	0.088%
200	13.305	13.285	13.319	VV	9608	175117	4.02%	0.105%
201	13.357	13.319	13.389	VV	347106	4350768	100.00%	2.601%
202	13.408	13.389	13.438	VV	11893	288589	6.63%	0.172%
203	13.456	13.438	13.477	VV	9430	203541	4.68%	0.122%
204	13.523	13.477	13.547	VV	36343	680633	15.64%	0.407%
205	13.563	13.547	13.585	VV	13053	243619	5.60%	0.146%
206	13.600	13.585	13.620	VV	9262	186705	4.29%	0.112%
207	13.631	13.620	13.645	VV	8364	121115	2.78%	0.072%
208	13.689	13.645	13.713	VV	10935	367461	8.45%	0.220%
209	13.752	13.713	13.772	VV	12288	355827	8.18%	0.213%
210	13.795	13.772	13.815	VV	11645	276505	6.36%	0.165%
211	13.834	13.815	13.851	VV	11606	234619	5.39%	0.140%
212	13.878	13.851	13.887	VV	10296	212473	4.88%	0.127%
213	13.907	13.887	13.926	VV	11752	249715	5.74%	0.149%
214	13.948	13.926	13.998	VV	13925	486117	11.17%	0.291%
215	14.022	13.998	14.045	VV	11537	300090	6.90%	0.179%
216	14.059	14.045	14.081	VV	11415	228783	5.26%	0.137%
217	14.112	14.081	14.147	VV	47064	916384	21.06%	0.548%
218	14.164	14.147	14.184	VV	14730	286892	6.59%	0.171%
219	14.198	14.184	14.221	VV	11578	246884	5.67%	0.148%
220	14.261	14.221	14.298	VV	12417	511824	11.76%	0.306%
221	14.335	14.298	14.366	VV	16388	560176	12.88%	0.335%
222	14.383	14.366	14.400	VV	13645	265592	6.10%	0.159%
223	14.416	14.400	14.456	VV	13178	427215	9.82%	0.255%
224	14.474	14.456	14.484	VV	14191	217083	4.99%	0.130%
225	14.499	14.484	14.511	VV	14634	227052	5.22%	0.136%
226	14.528	14.511	14.543	VV	15851	285113	6.55%	0.170%
227	14.561	14.543	14.598	VV	15781	459622	10.56%	0.275%
228	14.623	14.598	14.651	VV	20377	497546	11.44%	0.297%
229	14.677	14.651	14.713	VV	40283	817331	18.79%	0.489%
230	14.741	14.713	14.760	VV	19081	442765	10.18%	0.265%
231	14.771	14.760	14.782	VV	15059	197881	4.55%	0.118%
232	14.801	14.782	14.852	VV	15905	597093	13.72%	0.357%
233	14.887	14.852	14.899	VV	14600	385505	8.86%	0.230%
234	14.933	14.899	14.985	VV	21150	821918	18.89%	0.491%
235	14.997	14.985	15.012	VV	14548	227670	5.23%	0.136%
236	15.029	15.012	15.051	VV	16150	348830	8.02%	0.209%
237	15.070	15.051	15.087	VV	16295	325036	7.47%	0.194%
238	15.104	15.087	15.116	VV	16755	280316	6.44%	0.168%
239	15.133	15.116	15.188	VV	17019	669676	15.39%	0.400%
240	15.219	15.188	15.261	VV	41999	1015718	23.35%	0.607%
241	15.276	15.261	15.316	VV	15598	501465	11.53%	0.300%
242	15.352	15.316	15.391	VV	17140	696809	16.02%	0.417%
243	15.421	15.391	15.451	VV	18313	592852	13.63%	0.354%
244	15.472	15.451	15.489	VV	16328	360590	8.29%	0.216%
245	15.499	15.489	15.505	VV	16284	159697	3.67%	0.095%
246	15.547	15.505	15.585	VV	19612	855722	19.67%	0.511%

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247	15.602	15.585	15.623	VV	18515	388962	8.94%	0.232%
248	15.652	15.623	15.711	VV	19734	912783	20.98%	0.546%
249	15.741	15.711	15.809	VV	42481	1400049	32.18%	0.837%
250	15.833	15.809	15.861	VV	18463	557986	12.82%	0.334%
251	15.876	15.861	15.899	VV	19774	409414	9.41%	0.245%
252	15.929	15.899	15.941	VV	19793	477922	10.98%	0.286%
253	15.965	15.941	15.984	VV	20934	514130	11.82%	0.307%
254	16.004	15.984	16.024	VV	21766	472654	10.86%	0.283%
255	16.063	16.024	16.085	VV	22794	768110	17.65%	0.459%
256	16.109	16.085	16.148	VV	21109	784099	18.02%	0.469%
257	16.166	16.148	16.174	VV	20434	310436	7.14%	0.186%
258	16.245	16.174	16.327	VV	45763	2294672	52.74%	1.372%
259	16.339	16.327	16.354	VV	22308	346385	7.96%	0.207%
260	16.372	16.354	16.395	VV	23589	539096	12.39%	0.322%
261	16.433	16.395	16.487	VV	30747	1425385	32.76%	0.852%
262	16.558	16.487	16.578	VV	27746	1429152	32.85%	0.854%
263	16.606	16.578	16.658	VV	31300	1329845	30.57%	0.795%
264	16.689	16.658	16.703	VV	29804	749559	17.23%	0.448%
265	16.729	16.703	16.755	VV	49621	1125532	25.87%	0.673%
266	16.766	16.755	16.770	VV	27248	257693	5.92%	0.154%
267	16.785	16.770	16.801	VV	28607	505490	11.62%	0.302%
268	16.827	16.801	16.839	VV	35891	739219	16.99%	0.442%
269	16.847	16.839	16.865	VV	34296	525687	12.08%	0.314%
270	16.877	16.865	16.905	VV	35868	831953	19.12%	0.497%
271	16.933	16.905	16.979	VV	37323	1497070	34.41%	0.895%
272	16.999	16.979	17.015	VV	35677	726708	16.70%	0.434%
273	17.039	17.015	17.058	VV	38907	951793	21.88%	0.569%
274	17.067	17.058	17.096	VV	38471	823662	18.93%	0.492%
275	17.111	17.096	17.138	VV	34233	847589	19.48%	0.507%
276	17.196	17.138	17.242	VV	57421	2774609	63.77%	1.658%
277	17.250	17.242	17.272	VV	41428	719792	16.54%	0.430%
278	17.294	17.272	17.321	VV	42992	1187594	27.30%	0.710%
279	17.331	17.321	17.341	VV	39911	480896	11.05%	0.287%
280	17.368	17.341	17.379	VV	44976	961079	22.09%	0.574%
281	17.434	17.379	17.464	VV	50408	2319068	53.30%	1.386%
282	17.525	17.464	17.556	VV	100651	3383483	77.77%	2.022%
283	17.613	17.556	17.633	VV	62058	2234287	51.35%	1.335%
284	17.652	17.633	17.662	VV	57495	911512	20.95%	0.545%
285	17.677	17.662	17.703	VV	59642	1310727	30.13%	0.783%
286	17.720	17.703	17.736	VV	47528	895011	20.57%	0.535%
287	17.762	17.736	17.799	VV	62850	1917439	44.07%	1.146%
288	17.814	17.799	17.829	VV	44065	759275	17.45%	0.454%
289	17.853	17.829	17.888	VV	51797	1601818	36.82%	0.957%
290	17.891	17.888	17.899	VV	40663	271310	6.24%	0.162%
291	17.934	17.899	17.961	VV	49363	1673165	38.46%	1.000%
292	17.986	17.961	18.003	VV	49693	1179816	27.12%	0.705%
293	18.028	18.003	18.051	VV	64035	1564926	35.97%	0.935%
294	18.085	18.051	18.108	VV	67200	1873898	43.07%	1.120%
295	18.134	18.108	18.165	VV	86333	2022864	46.49%	1.209%
296	18.182	18.165	18.190	VV	45494	684789	15.74%	0.409%
297	18.235	18.190	18.311	VV	64411	3769715	86.64%	2.253%
298	18.328	18.311	18.353	VV	41206	1004909	23.10%	0.601%
299	18.377	18.353	18.386	VV	40717	808241	18.58%	0.483%

rteres

300	18.432	18.386	18.483	VV	50138	2591801	59.57%	1.549%
301	18.510	18.483	18.531	VV	51604	1263793	29.05%	0.755%
302	18.601	18.531	18.668	VV	73005	4038666	92.83%	2.414%
303	18.681	18.668	18.698	VV	36113	623594	14.33%	0.373%
304	18.723	18.698	18.730	VV	36497	683347	15.71%	0.408%
305	18.756	18.730	18.851	VV	42408	2631282	60.48%	1.573%
306	18.920	18.851	18.958	VV	47774	2395602	55.06%	1.432%
307	18.973	18.958	19.008	VV	36647	1027856	23.62%	0.614%
308	19.024	19.008	19.048	VV	38418	870792	20.01%	0.520%
309	19.071	19.048	19.095	VV	38755	1045426	24.03%	0.625%
310	19.105	19.095	19.151	VV	38374	1186102	27.26%	0.709%
311	19.169	19.151	19.191	VV	34244	786379	18.07%	0.470%
312	19.206	19.191	19.251	VV	34921	1156772	26.59%	0.691%
313	19.320	19.251	19.341	VV	43943	1944157	44.69%	1.162%
314	19.352	19.341	19.381	VV	36741	826399	18.99%	0.494%
315	19.424	19.381	19.466	VV	35418	1638149	37.65%	0.979%
316	19.516	19.466	19.593	VV	33975	2450538	56.32%	1.465%
317	19.625	19.593	19.671	VV	32783	1455035	33.44%	0.870%
318	19.711	19.671	19.794	VV	44898	2668552	61.34%	1.595%
319	19.828	19.794	19.864	VV	37925	1389470	31.94%	0.831%
320	19.900	19.864	19.923	VV	32698	1119102	25.72%	0.669%
321	19.932	19.923	19.954	VV	32209	599915	13.79%	0.359%
322	19.987	19.954	20.034	VV	34904	1574379	36.19%	0.941%
323	20.082	20.034	20.107	VV	42387	1616678	37.16%	0.966%
324	20.132	20.107	20.181	VV	39928	1583955	36.41%	0.947%
325	20.243	20.181	20.283	VV	37518	2116039	48.64%	1.265%
326	20.319	20.283	20.328	VV	35564	939477	21.59%	0.562%
327	20.335	20.328	20.341	VV	35360	267604	6.15%	0.160%
328	20.353	20.341	20.371	VV	36222	636019	14.62%	0.380%
329	20.398	20.371	20.423	VV	38502	1141047	26.23%	0.682%
330	20.449	20.423	20.485	VV	43454	1458793	33.53%	0.872%
331	20.517	20.485	20.547	VV	41532	1466733	33.71%	0.877%
332	20.560	20.547	20.580	VV	37411	724867	16.66%	0.433%
333	20.656	20.580	20.763	VV	45169	4326830	99.45%	2.586%
334	20.808	20.763	20.873	VV	44734	2508175	57.65%	1.499%
335	20.933	20.873	20.993	VV	48424	2824933	64.93%	1.689%
336	21.040	20.993	21.124	VV	36707	2667563	61.31%	1.594%
337	21.152	21.124	21.161	VV	32093	696922	16.02%	0.417%
338	21.189	21.161	21.240	VV	36380	1527358	35.11%	0.913%
339	21.263	21.240	21.272	VV	29197	554999	12.76%	0.332%
340	21.277	21.272	21.313	VV	29125	687337	15.80%	0.411%
341	21.351	21.313	21.392	VV	27865	1289663	29.64%	0.771%
342	21.405	21.392	21.455	VV	26939	976630	22.45%	0.584%
343	21.459	21.455	21.498	VV	25576	654506	15.04%	0.391%
344	21.509	21.498	21.574	VV	24618	1065423	24.49%	0.637%
345	21.625	21.574	21.690	VV	25628	1591738	36.59%	0.951%
346	21.703	21.690	21.708	VV	20610	219036	5.03%	0.131%
347	21.747	21.708	21.813	VV	21351	1270101	29.19%	0.759%
348	21.826	21.813	21.959	VV	18988	1570282	36.09%	0.939%
349	21.966	21.959	21.988	VV	16649	281321	6.47%	0.168%
350	22.005	21.988	22.068	VV	16619	773067	17.77%	0.462%
351	22.112	22.068	22.185	VV	19069	1144851	26.31%	0.684%

rteres

352	22.194	22.185	22.201	VBA	14233	182562	4.20%	0.109%

Sum of corrected areas: 167299979

Aliphatic EPH 030325.M Tue Mar 11 08:31:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015641.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 22:39
Operator : YP\AJ
Sample : Q1514-01
Misc :
ALS Vial : 83 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
ENV-105-SB01

Integration File: autoint1.e
Quant Time: Mar 11 03:27:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.997	6276281	53.913 ug/ml
Spiked Amount 50.000		Recovery = 107.83%	
6) S 2-Flurobiphenyl (SURR)	8.874	3631679	50.984 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 101.97%	
11) S ortho-Terphenyl (SURR)	11.933	4512420	30.675 ug/ml
Spiked Amount 50.000		Recovery = 61.35%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

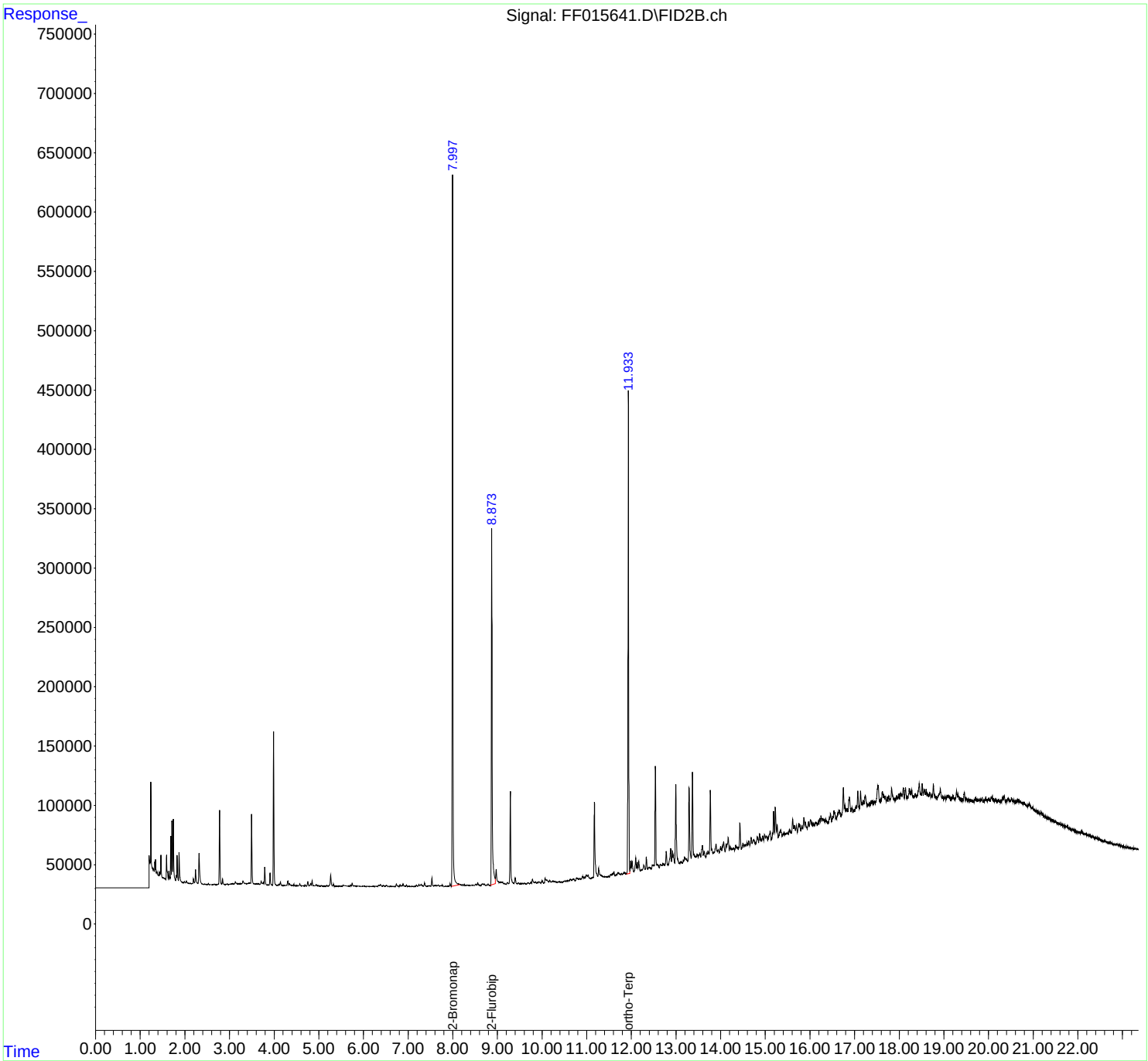
Sample Results: **FF015641.D**

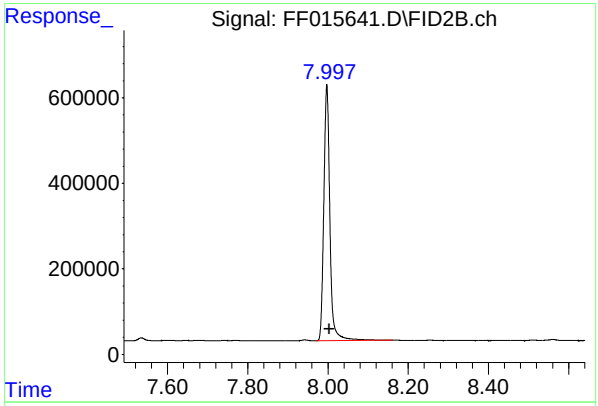
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015641.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 22:39
Operator : YP\AJ
Sample : Q1514-01
Misc :
ALS Vial : 83 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
ENV-105-SB01

Integration File: autoint1.e
Quant Time: Mar 11 03:27:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

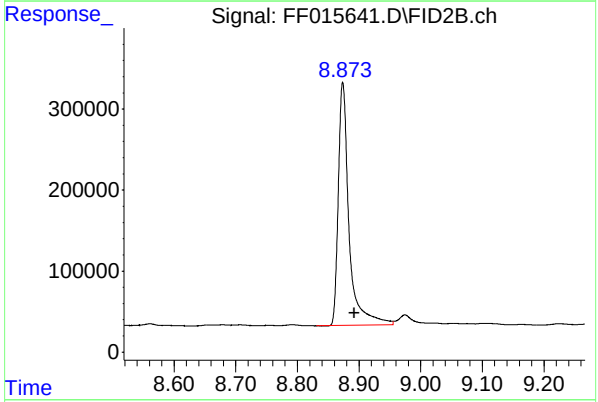




#4 2-Bromonaphthalene (SURR)

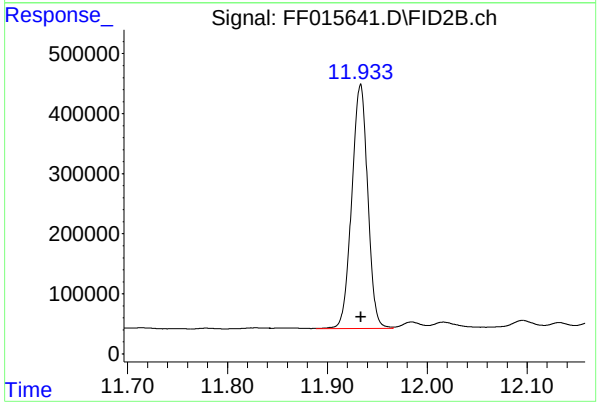
R.T.: 7.997 min
Delta R.T.: -0.006 min
Response: 6276281
Conc: 53.91 ug/ml

Instrument :
FID_F
ClientSampleId :
ENV-105-SB01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.874 min
Delta R.T.: -0.018 min
Response: 3631679
Conc: 50.98 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.933 min
Delta R.T.: 0.000 min
Response: 4512420
Conc: 30.68 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015641.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 22:39
Sample : Q1514-01
Misc :
ALS Vial : 83 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.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	4.440	4.400	4.482	BV	822	7639	0.12%	0.005%
2	4.498	4.482	4.537	PV	143	3177	0.05%	0.002%
3	4.573	4.548	4.640	PV	1532	25702	0.40%	0.016%
4	4.650	4.640	4.671	VV	182	1547	0.02%	0.001%
5	4.695	4.671	4.724	VV	710	9544	0.15%	0.006%
6	4.755	4.724	4.779	PV	3794	50806	0.80%	0.031%
7	4.788	4.779	4.800	VV	488	5372	0.08%	0.003%
8	4.818	4.800	4.833	VV	2368	27413	0.43%	0.017%
9	4.851	4.833	4.907	VV	4540	59413	0.93%	0.037%
10	4.912	4.907	4.918	VV	293	1619	0.03%	0.001%
11	4.941	4.923	4.967	VV	1522	22159	0.35%	0.014%
12	4.977	4.967	5.026	VV	704	11875	0.19%	0.007%
13	5.037	5.026	5.042	VV	208	1637	0.03%	0.001%
14	5.062	5.042	5.107	VV	555	9012	0.14%	0.006%
15	5.152	5.118	5.159	VV	130	1944	0.03%	0.001%
16	5.180	5.159	5.218	VV	593	10277	0.16%	0.006%
17	5.266	5.218	5.307	VV	9456	142749	2.24%	0.088%
18	5.330	5.307	5.372	VV	1987	27204	0.43%	0.017%
19	5.392	5.372	5.434	VV	235	4714	0.07%	0.003%
20	5.446	5.434	5.458	PV	146	1684	0.03%	0.001%
21	5.477	5.458	5.501	VV	515	6812	0.11%	0.004%
22	5.548	5.501	5.637	VV	1001	41090	0.64%	0.025%
23	5.639	5.637	5.648	VV	344	1989	0.03%	0.001%
24	5.666	5.648	5.691	VV	442	8313	0.13%	0.005%
25	5.710	5.691	5.730	VV	909	13912	0.22%	0.009%
26	5.748	5.730	5.780	VV	2918	38794	0.61%	0.024%
27	5.785	5.780	5.791	VV	449	2561	0.04%	0.002%
28	5.808	5.791	5.836	VV	789	12987	0.20%	0.008%
29	5.843	5.836	5.864	VV	237	3745	0.06%	0.002%
30	5.897	5.864	5.933	VV	418	12646	0.20%	0.008%
31	5.939	5.933	5.957	VV	232	2177	0.03%	0.001%
32	5.977	5.957	5.996	VV	287	4788	0.08%	0.003%
33	6.014	5.996	6.049	VV	491	9043	0.14%	0.006%
34	6.077	6.049	6.099	VV	300	6265	0.10%	0.004%
35	6.105	6.099	6.111	VV	204	1179	0.02%	0.001%
36	6.118	6.111	6.125	VV	146	1112	0.02%	0.001%

rteres

37	6.130	6.125	6.160	VV	137	1689	0.03%	0.001%
38	6.225	6.199	6.232	PV	239	2803	0.04%	0.002%
39	6.261	6.248	6.266	VV	231	1933	0.03%	0.001%
40	6.290	6.273	6.314	VV	417	6683	0.10%	0.004%
41	6.341	6.314	6.365	VV	1252	23572	0.37%	0.014%
42	6.382	6.365	6.428	VV	1970	37537	0.59%	0.023%
43	6.443	6.428	6.482	VV	783	16713	0.26%	0.010%
44	6.518	6.482	6.599	VV	1004	28151	0.44%	0.017%
45	6.632	6.612	6.639	VV	250	2872	0.05%	0.002%
46	6.643	6.639	6.665	VV	306	3619	0.06%	0.002%
47	6.672	6.665	6.685	VV	218	2159	0.03%	0.001%
48	6.691	6.685	6.713	VV	233	2627	0.04%	0.002%
49	6.739	6.713	6.765	VV	2272	31745	0.50%	0.020%
50	6.775	6.765	6.799	VV	470	7161	0.11%	0.004%
51	6.818	6.799	6.841	VV	1556	18583	0.29%	0.011%
52	6.858	6.841	6.870	VV	814	9555	0.15%	0.006%
53	6.888	6.870	6.911	VV	2409	31188	0.49%	0.019%
54	6.921	6.911	6.945	VV	706	8167	0.13%	0.005%
55	6.963	6.945	6.989	VV	1386	15805	0.25%	0.010%
56	7.008	6.998	7.037	VV	243	2957	0.05%	0.002%
57	7.053	7.037	7.062	VV	177	2004	0.03%	0.001%
58	7.066	7.062	7.091	VV	248	2340	0.04%	0.001%
59	7.119	7.091	7.165	PV	204	6051	0.09%	0.004%
60	7.188	7.165	7.217	VV	1471	18623	0.29%	0.011%
61	7.242	7.217	7.259	VV	1551	23318	0.37%	0.014%
62	7.290	7.259	7.303	VV	1825	31670	0.50%	0.019%
63	7.310	7.303	7.340	VV	1218	16673	0.26%	0.010%
64	7.372	7.340	7.430	VV	3033	48139	0.75%	0.030%
65	7.459	7.430	7.465	VV	601	9197	0.14%	0.006%
66	7.474	7.465	7.507	VV	777	11581	0.18%	0.007%
67	7.535	7.507	7.575	VV	7117	89080	1.40%	0.055%
68	7.600	7.575	7.630	VV	960	23652	0.37%	0.015%
69	7.645	7.630	7.658	VV	978	11715	0.18%	0.007%
70	7.681	7.658	7.705	VV	1252	21814	0.34%	0.013%
71	7.741	7.705	7.756	VV	899	16352	0.26%	0.010%
72	7.771	7.756	7.800	VV	1194	13595	0.21%	0.008%
73	7.840	7.816	7.856	VV	168	2436	0.04%	0.001%
74	7.893	7.875	7.903	PV	175	1783	0.03%	0.001%
75	7.942	7.903	7.970	VV	2201	28664	0.45%	0.018%
76	7.997	7.970	8.194	VV	599283	6377481	100.00%	3.919%
77	8.209	8.194	8.235	VV	1075	21082	0.33%	0.013%
78	8.254	8.235	8.288	VV	1608	26301	0.41%	0.016%
79	8.292	8.288	8.297	VV	413	2134	0.03%	0.001%
80	8.316	8.297	8.327	VV	851	12114	0.19%	0.007%
81	8.344	8.327	8.368	VV	821	14815	0.23%	0.009%
82	8.380	8.368	8.402	VV	448	7767	0.12%	0.005%
83	8.434	8.402	8.440	VV	632	11659	0.18%	0.007%
84	8.448	8.440	8.458	VV	697	5992	0.09%	0.004%
85	8.465	8.458	8.492	VV	608	8919	0.14%	0.005%
86	8.511	8.492	8.532	VV	1566	23365	0.37%	0.014%
87	8.561	8.532	8.581	VV	2824	45616	0.72%	0.028%
88	8.589	8.581	8.633	VV	805	14195	0.22%	0.009%
89	8.657	8.633	8.666	VV	1324	17422	0.27%	0.011%

rteres

90	8.679	8.666	8.693	VV	1484	20843	0.33%	0.013%
91	8.707	8.693	8.737	VV	1473	25347	0.40%	0.016%
92	8.756	8.737	8.772	VV	836	11425	0.18%	0.007%
93	8.792	8.772	8.849	VV	1571	26232	0.41%	0.016%
94	8.874	8.849	8.956	PV	300646	3697292	57.97%	2.272%
95	8.975	8.956	9.019	VV	13469	256958	4.03%	0.158%
96	9.022	9.019	9.039	VV	3387	36670	0.57%	0.023%
97	9.054	9.039	9.067	VV	2886	44127	0.69%	0.027%
98	9.075	9.067	9.088	VV	2603	30705	0.48%	0.019%
99	9.104	9.088	9.152	VV	2825	78126	1.23%	0.048%
100	9.164	9.152	9.194	VV	1444	26468	0.42%	0.016%
101	9.226	9.194	9.250	VV	2184	48545	0.76%	0.030%
102	9.292	9.250	9.369	VV	78789	954481	14.97%	0.587%
103	9.401	9.369	9.435	VV	6090	108394	1.70%	0.067%
104	9.446	9.435	9.458	VV	1179	14907	0.23%	0.009%
105	9.475	9.458	9.504	VV	1709	28145	0.44%	0.017%
106	9.523	9.504	9.538	VV	916	12065	0.19%	0.007%
107	9.556	9.538	9.584	VV	1175	22456	0.35%	0.014%
108	9.603	9.584	9.652	VV	1230	26168	0.41%	0.016%
109	9.692	9.652	9.717	PV	1525	34796	0.55%	0.021%
110	9.751	9.717	9.768	VV	1838	29932	0.47%	0.018%
111	9.786	9.768	9.837	VV	4049	84954	1.33%	0.052%
112	9.854	9.837	9.878	VV	1908	30463	0.48%	0.019%
113	9.898	9.878	9.912	VV	1325	19190	0.30%	0.012%
114	9.933	9.912	9.972	VV	1856	45547	0.71%	0.028%
115	10.005	9.972	10.039	VV	2727	51992	0.82%	0.032%
116	10.069	10.039	10.097	VV	4550	84776	1.33%	0.052%
117	10.109	10.097	10.151	VV	2881	67035	1.05%	0.041%
118	10.171	10.151	10.208	VV	2446	52842	0.83%	0.032%
119	10.239	10.208	10.265	VV	1799	44784	0.70%	0.028%
120	10.284	10.265	10.326	VV	1309	34736	0.54%	0.021%
121	10.349	10.326	10.361	VV	758	11233	0.18%	0.007%
122	10.377	10.361	10.410	VV	641	15968	0.25%	0.010%
123	10.414	10.410	10.435	VV	583	6098	0.10%	0.004%
124	10.445	10.435	10.460	VV	472	4001	0.06%	0.002%
125	10.489	10.460	10.501	PV	1126	17170	0.27%	0.011%
126	10.516	10.501	10.536	VV	1293	19949	0.31%	0.012%
127	10.561	10.536	10.578	VV	1578	27738	0.43%	0.017%
128	10.597	10.578	10.610	VV	1486	23593	0.37%	0.014%
129	10.645	10.610	10.665	VV	2430	61132	0.96%	0.038%
130	10.709	10.665	10.742	VV	2534	77820	1.22%	0.048%
131	10.772	10.742	10.790	VV	3198	60353	0.95%	0.037%
132	10.801	10.790	10.820	VV	2641	39824	0.62%	0.024%
133	10.842	10.820	10.869	VV	2543	59933	0.94%	0.037%
134	10.909	10.869	10.929	VV	3943	100722	1.58%	0.062%
135	10.946	10.929	10.959	VV	3400	50529	0.79%	0.031%
136	10.997	10.959	11.017	VV	4710	139753	2.19%	0.086%
137	11.035	11.017	11.079	VV	4875	119870	1.88%	0.074%
138	11.109	11.079	11.117	VV	2358	47490	0.74%	0.029%
139	11.131	11.117	11.145	VV	2738	41536	0.65%	0.026%
140	11.174	11.145	11.247	VV	65851	1034910	16.23%	0.636%
141	11.268	11.247	11.405	VV	10091	409028	6.41%	0.251%

rteres

142	11.426	11.405	11.449	VV	2529	62314	0.98%	0.038%
143	11.457	11.449	11.469	VV	2335	27379	0.43%	0.017%
144	11.491	11.469	11.510	VV	2899	62944	0.99%	0.039%
145	11.542	11.510	11.562	VV	4189	108158	1.70%	0.066%
146	11.580	11.562	11.595	VV	5000	86060	1.35%	0.053%
147	11.610	11.595	11.634	VV	6291	104310	1.64%	0.064%
148	11.666	11.634	11.682	VV	3939	99934	1.57%	0.061%
149	11.714	11.682	11.740	VV	5432	159979	2.51%	0.098%
150	11.749	11.740	11.765	VV	4004	55020	0.86%	0.034%
151	11.779	11.765	11.797	VV	4609	75102	1.18%	0.046%
152	11.828	11.797	11.845	VV	5063	123567	1.94%	0.076%
153	11.862	11.845	11.883	VV	4734	98976	1.55%	0.061%
154	11.933	11.883	11.966	VV	411895	4703431	73.75%	2.890%
155	11.984	11.966	12.001	VV	14462	217682	3.41%	0.134%
156	12.017	12.001	12.058	VV	14159	317322	4.98%	0.195%
157	12.096	12.058	12.117	VV	16877	355118	5.57%	0.218%
158	12.132	12.117	12.148	VV	13153	197665	3.10%	0.121%
159	12.165	12.148	12.210	VV	13730	329786	5.17%	0.203%
160	12.279	12.210	12.309	VV	10265	439524	6.89%	0.270%
161	12.335	12.309	12.364	VV	16665	336631	5.28%	0.207%
162	12.389	12.364	12.400	VV	7989	161495	2.53%	0.099%
163	12.415	12.400	12.449	VV	7898	217460	3.41%	0.134%
164	12.489	12.449	12.514	VV	10002	355821	5.58%	0.219%
165	12.537	12.514	12.577	VV	92933	1330303	20.86%	0.817%
166	12.586	12.577	12.624	VV	9973	251077	3.94%	0.154%
167	12.651	12.624	12.691	VV	9648	369133	5.79%	0.227%
168	12.709	12.691	12.745	VV	10668	312575	4.90%	0.192%
169	12.780	12.745	12.825	VV	20660	592518	9.29%	0.364%
170	12.879	12.825	12.899	VV	22812	642316	10.07%	0.395%
171	12.919	12.899	12.935	VV	20602	367380	5.76%	0.226%
172	12.942	12.935	12.972	VV	16784	293676	4.60%	0.180%
173	12.994	12.972	13.072	VV	76387	1545369	24.23%	0.950%
174	13.110	13.072	13.141	VV	11085	426411	6.69%	0.262%
175	13.164	13.141	13.175	VV	12427	228364	3.58%	0.140%
176	13.192	13.175	13.210	VV	14814	286058	4.49%	0.176%
177	13.219	13.210	13.265	VV	13479	409919	6.43%	0.252%
178	13.293	13.265	13.340	VV	72786	1322681	20.74%	0.813%
179	13.367	13.340	13.437	VV	85984	1729470	27.12%	1.063%
180	13.474	13.437	13.497	VV	16358	551732	8.65%	0.339%
181	13.532	13.497	13.553	VV	17472	524519	8.22%	0.322%
182	13.590	13.553	13.614	VV	23458	694793	10.89%	0.427%
183	13.630	13.614	13.668	VV	18739	523641	8.21%	0.322%
184	13.689	13.668	13.700	VV	16567	297221	4.66%	0.183%
185	13.717	13.700	13.739	VV	18518	401465	6.30%	0.247%
186	13.767	13.739	13.829	VV	69791	1575399	24.70%	0.968%
187	13.850	13.829	13.860	VV	17448	322414	5.06%	0.198%
188	13.894	13.860	13.935	VV	23873	898149	14.08%	0.552%
189	13.949	13.935	13.970	VV	18762	380140	5.96%	0.234%
190	14.000	13.970	14.027	VV	21522	655412	10.28%	0.403%
191	14.064	14.027	14.100	VV	25602	931010	14.60%	0.572%
192	14.121	14.100	14.132	VV	23848	404834	6.35%	0.249%
193	14.168	14.132	14.194	VV	29079	873527	13.70%	0.537%
194	14.210	14.194	14.249	VV	21734	650094	10.19%	0.399%

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195	14.259	14.249	14.274	VV	19169	282315	4.43%	0.173%
196	14.290	14.274	14.310	VV	19655	419028	6.57%	0.257%
197	14.336	14.310	14.359	VV	21925	583835	9.15%	0.359%
198	14.372	14.359	14.391	VV	20394	381182	5.98%	0.234%
199	14.430	14.391	14.462	VV	40269	1075046	16.86%	0.661%
200	14.499	14.462	14.520	VV	23188	732922	11.49%	0.450%
201	14.559	14.520	14.573	VV	22232	673385	10.56%	0.414%
202	14.590	14.573	14.611	VV	23464	505358	7.92%	0.311%
203	14.631	14.611	14.655	VV	24972	615301	9.65%	0.378%
204	14.684	14.655	14.709	VV	27701	776142	12.17%	0.477%
205	14.740	14.709	14.790	VV	25297	1168316	18.32%	0.718%
206	14.829	14.790	14.850	VV	27684	906555	14.21%	0.557%
207	14.871	14.850	14.892	VV	30513	686654	10.77%	0.422%
208	14.903	14.892	14.917	VV	26360	380456	5.97%	0.234%
209	14.945	14.917	14.962	VV	28253	728345	11.42%	0.448%
210	14.983	14.962	15.003	VV	29419	665620	10.44%	0.409%
211	15.022	15.003	15.053	VV	27966	809274	12.69%	0.497%
212	15.109	15.053	15.140	VV	31878	1459632	22.89%	0.897%
213	15.184	15.140	15.205	VV	48509	1315981	20.63%	0.809%
214	15.223	15.205	15.248	VV	51563	1042623	16.35%	0.641%
215	15.264	15.248	15.289	VV	36970	784307	12.30%	0.482%
216	15.344	15.289	15.377	VV	32628	1562845	24.51%	0.960%
217	15.410	15.377	15.445	VV	29531	1175775	18.44%	0.722%
218	15.485	15.445	15.519	VV	29635	1275794	20.00%	0.784%
219	15.540	15.519	15.578	VV	31514	1088681	17.07%	0.669%
220	15.612	15.578	15.635	VV	40780	1189934	18.66%	0.731%
221	15.652	15.635	15.674	VV	35608	785226	12.31%	0.483%
222	15.694	15.674	15.718	VV	35357	857254	13.44%	0.527%
223	15.745	15.718	15.756	VV	37010	765990	12.01%	0.471%
224	15.767	15.756	15.796	VV	36147	829642	13.01%	0.510%
225	15.816	15.796	15.839	VV	34547	837714	13.14%	0.515%
226	15.864	15.839	15.882	VV	41758	971727	15.24%	0.597%
227	15.897	15.882	15.939	VV	37771	1183739	18.56%	0.727%
228	15.966	15.939	15.984	VV	37889	946610	14.84%	0.582%
229	16.010	15.984	16.057	VV	39436	1624591	25.47%	0.998%
230	16.087	16.057	16.097	VV	36092	840717	13.18%	0.517%
231	16.126	16.097	16.174	VV	36661	1647581	25.83%	1.012%
232	16.220	16.174	16.230	VV	39935	1265352	19.84%	0.778%
233	16.248	16.230	16.269	VV	42116	908903	14.25%	0.559%
234	16.278	16.269	16.304	VV	40072	818404	12.83%	0.503%
235	16.317	16.304	16.341	VV	38676	835006	13.09%	0.513%
236	16.360	16.341	16.405	VV	37913	1437867	22.55%	0.884%
237	16.459	16.405	16.487	VV	43463	1920179	30.11%	1.180%
238	16.539	16.487	16.586	VV	46061	2457610	38.54%	1.510%
239	16.658	16.586	16.697	VV	45801	2834520	44.45%	1.742%
240	16.747	16.697	16.769	VV	64490	2149442	33.70%	1.321%
241	16.780	16.769	16.819	VV	49928	1407776	22.07%	0.865%
242	16.831	16.819	16.848	VV	47119	806397	12.64%	0.496%
243	16.885	16.848	16.914	VV	56328	2014766	31.59%	1.238%
244	16.938	16.914	16.982	VV	46976	1846141	28.95%	1.134%
245	16.992	16.982	17.004	VV	45433	584832	9.17%	0.359%
246	17.032	17.004	17.050	VV	48824	1321379	20.72%	0.812%

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247	17.070	17.050	17.103	VV	61095	1674273	26.25%	1.029%
248	17.133	17.103	17.155	VV	60812	1646433	25.82%	1.012%
249	17.165	17.155	17.179	VV	50849	704243	11.04%	0.433%
250	17.197	17.179	17.212	VV	52769	1018968	15.98%	0.626%
251	17.239	17.212	17.275	VV	57049	2007965	31.49%	1.234%
252	17.342	17.275	17.351	VV	49912	2248083	35.25%	1.381%
253	17.368	17.351	17.389	VV	52449	1136703	17.82%	0.698%
254	17.406	17.389	17.429	VV	51809	1211806	19.00%	0.745%
255	17.445	17.429	17.464	VV	51615	1065647	16.71%	0.655%
256	17.526	17.464	17.557	VV	64724	3190773	50.03%	1.961%
257	17.622	17.557	17.647	VV	58501	2927234	45.90%	1.799%
258	17.660	17.647	17.708	VV	55502	1981339	31.07%	1.218%
259	17.731	17.708	17.749	VV	54400	1276076	20.01%	0.784%
260	17.764	17.749	17.785	VV	54825	1174322	18.41%	0.722%
261	17.830	17.785	17.875	VV	61250	2951088	46.27%	1.813%
262	17.880	17.875	17.904	VV	52902	909344	14.26%	0.559%
263	17.947	17.904	17.969	VV	54954	2061535	32.33%	1.267%
264	17.991	17.969	18.011	VV	56233	1387736	21.76%	0.853%
265	18.028	18.011	18.037	VV	56946	840537	13.18%	0.516%
266	18.052	18.037	18.064	VV	56433	885929	13.89%	0.544%
267	18.091	18.064	18.117	VV	61490	1822859	28.58%	1.120%
268	18.140	18.117	18.168	VV	61188	1711541	26.84%	1.052%
269	18.182	18.168	18.199	VV	54202	995975	15.62%	0.612%
270	18.231	18.199	18.252	VV	60294	1823214	28.59%	1.120%
271	18.280	18.252	18.333	VV	58303	2688120	42.15%	1.652%
272	18.357	18.333	18.378	VV	55144	1454285	22.80%	0.894%
273	18.387	18.378	18.399	VV	54435	668306	10.48%	0.411%
274	18.447	18.399	18.497	VV	63918	3386222	53.10%	2.081%
275	18.513	18.497	18.535	VV	63972	1352351	21.21%	0.831%
276	18.558	18.535	18.584	VV	59155	1639061	25.70%	1.007%
277	18.602	18.584	18.638	VV	58942	1814864	28.46%	1.115%
278	18.646	18.638	18.659	VV	54085	668483	10.48%	0.411%
279	18.681	18.659	18.708	VV	56219	1611984	25.28%	0.991%
280	18.731	18.708	18.743	VV	53448	1088730	17.07%	0.669%
281	18.764	18.743	18.814	VV	63142	2349447	36.84%	1.444%
282	18.823	18.814	18.847	VV	52363	1028865	16.13%	0.632%
283	18.920	18.847	18.954	VV	58851	3426773	53.73%	2.106%

Sum of corrected areas: 162738082

Aromatic EPH 022625.M Tue Mar 11 08:27:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031125AL\
Data File : FE052728.D
Signal(s) : FID1B.ch
Acq On : 11 Mar 2025 10:20
Operator : YP\AJ
Sample : Q1514-01DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-105-SB01DL

Integration File: autoint1.e
Quant Time: Mar 12 02:07:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.355	1932296	15.913 ug/ml
Spiked Amount 50.000		Recovery = 31.83%	
Target Compounds			

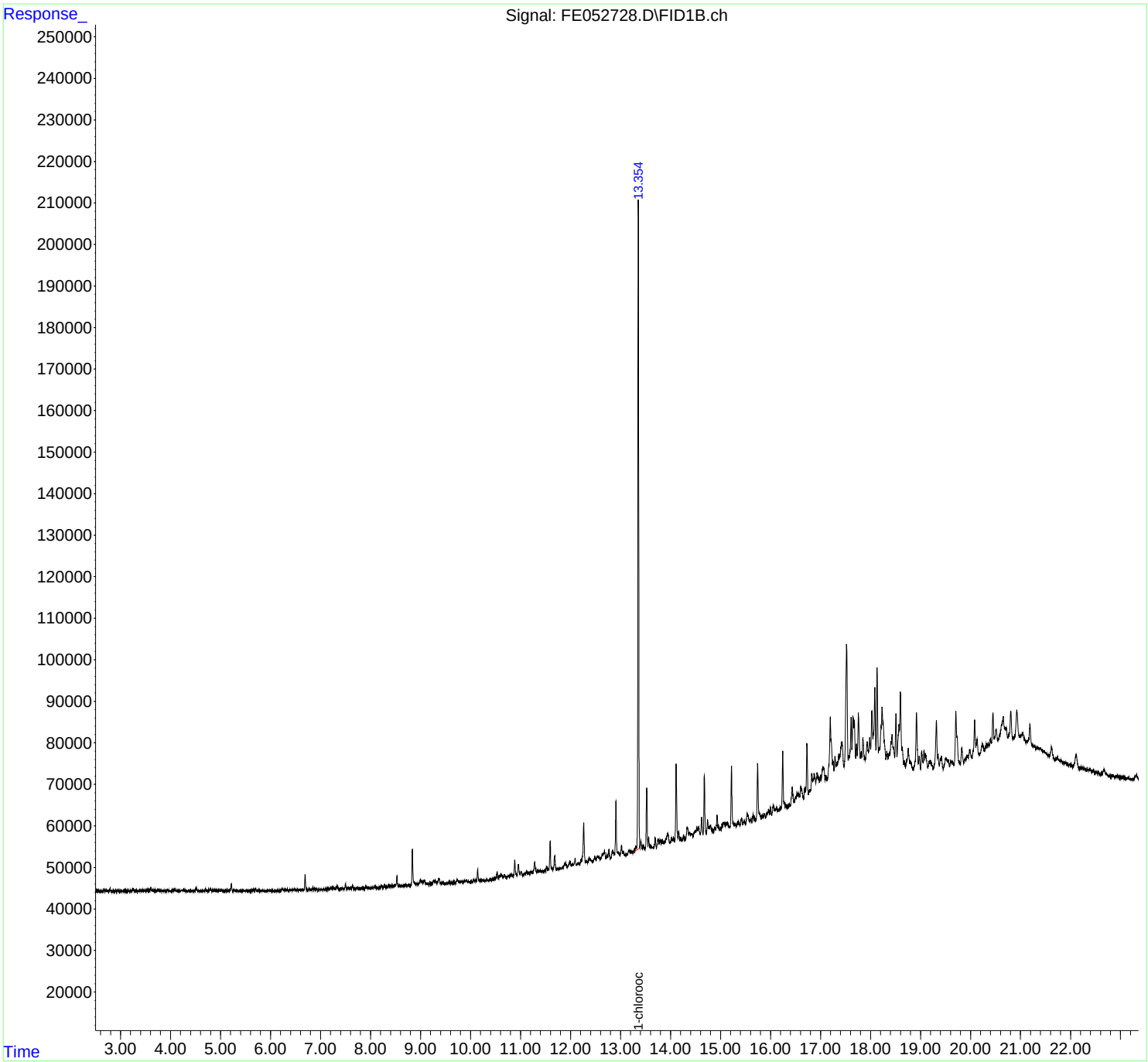
(f)=RT Delta > 1/2 Window (m)=manual int.

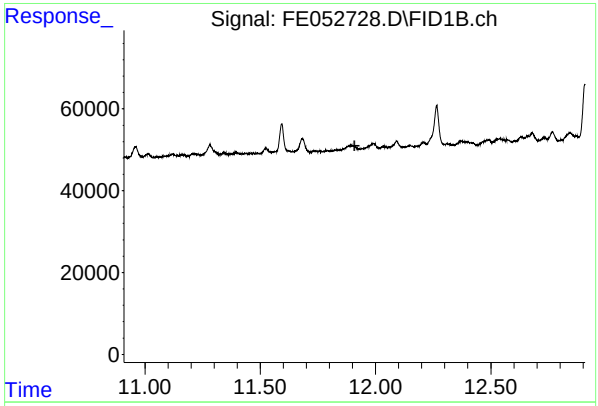
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031125AL\
Data File : FE052728.D
Signal(s) : FID1B.ch
Acq On : 11 Mar 2025 10:20
Operator : YP\AJ
Sample : Q1514-01DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-105-SB01DL

Integration File: autoint1.e
Quant Time: Mar 12 02:07:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



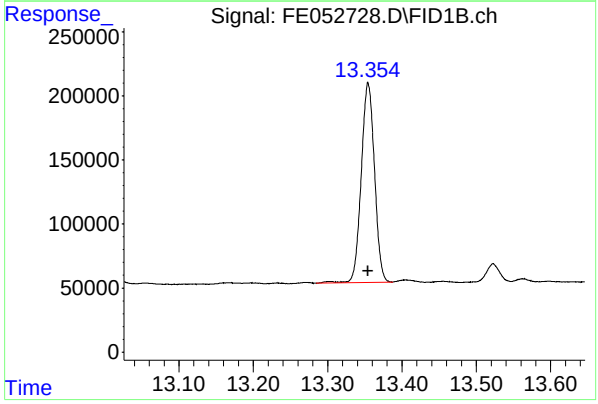


#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.909 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
ENV-105-SB01DL

12



#12 1-chlorooctadecane (SURR)

R.T.: 13.355 min
Delta R.T.: 0.000 min
Response: 1932296
Conc: 15.91 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031125AL\
Data File : FE052728.D
Signal(s) : FID1B.ch
Acq On : 11 Mar 2025 10:20
Sample : Q1514-01DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.252	3.193	3.362	PV	474	3839	0.12%	0.005%
2	3.389	3.362	3.401	PV	21	362	0.01%	0.000%
3	3.446	3.401	3.471	PV	166	2723	0.09%	0.003%
4	3.536	3.471	3.557	VV	99	2548	0.08%	0.003%
5	3.568	3.557	3.580	VV	141	1321	0.04%	0.002%
6	3.606	3.580	3.631	VV	648	8166	0.26%	0.010%
7	3.643	3.631	3.675	VV	129	1706	0.06%	0.002%
8	3.698	3.675	3.721	PV	150	2615	0.08%	0.003%
9	3.732	3.721	3.770	PV	160	1772	0.06%	0.002%
10	3.783	3.770	3.815	PV	81	867	0.03%	0.001%
11	3.853	3.815	3.878	PV	61	384	0.01%	0.000%
12	3.886	3.878	3.918	PV	34	-432	-0.01%	-0.001%
13	3.937	3.918	4.004	PV	265	2208	0.07%	0.003%
14	4.050	4.004	4.062	PV	155	1118	0.04%	0.001%
15	4.085	4.062	4.135	VV	425	5305	0.17%	0.006%
16	4.156	4.135	4.178	PV	23	29	0.00%	0.000%
17	4.254	4.178	4.332	PV	241	2449	0.08%	0.003%
18	4.514	4.485	4.621	PV	697	7835	0.25%	0.009%
19	4.701	4.658	4.744	PV	383	4374	0.14%	0.005%
20	4.765	4.744	4.779	PV	308	2872	0.09%	0.003%
21	4.797	4.779	4.831	VV	722	6878	0.22%	0.008%
22	4.838	4.831	4.891	PV	0	108	0.00%	0.000%
23	4.930	4.891	5.071	PH	123	2258	0.07%	0.003%
24	5.129	5.071	5.171	PH	77	-224	-0.01%	-0.000%
25	5.216	5.171	5.253	PH	1656	20250	0.66%	0.024%
26	5.277	5.253	5.313	PH	240	1998	0.06%	0.002%
27	5.653	5.619	5.665	M	454	4650	0.15%	0.006%
28	5.698	5.675	5.810	HH	499	6262	0.20%	0.007%
29	5.846	5.810	5.911	PH	99	943	0.03%	0.001%
30	5.959	5.911	5.984	PH	60	1033	0.03%	0.001%
31	6.006	5.984	6.061	PH	62	919	0.03%	0.001%
32	6.077	6.061	6.104	PH	50	327	0.01%	0.000%
33	6.186	6.104	6.205	PH	103	2348	0.08%	0.003%
34	6.232	6.205	6.266	HH	504	8405	0.27%	0.010%
35	6.293	6.266	6.310	HH	216	3876	0.13%	0.005%
36	6.335	6.310	6.358	HH	379	6217	0.20%	0.007%

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37	6.403	6.358	6.440	HH	263	8988	0.29%	0.011%
38	6.471	6.440	6.555	HH	246	14302	0.46%	0.017%
39	6.580	6.555	6.635	HH	281	9786	0.32%	0.012%
40	6.638	6.635	6.658	HH	303	2991	0.10%	0.004%
41	6.777	6.750	6.805	HH	519	9484	0.31%	0.011%
42	6.921	6.900	6.941	HH	411	6768	0.22%	0.008%
43	6.967	6.941	6.985	HH	267	6515	0.21%	0.008%
44	7.017	6.985	7.041	HH	359	9141	0.30%	0.011%
45	7.099	7.075	7.135	HH	355	11116	0.36%	0.013%
46	7.151	7.135	7.175	HH	638	10402	0.34%	0.012%
47	7.331	7.288	7.395	HH	1076	38578	1.25%	0.046%
48	7.416	7.395	7.460	HH	668	20150	0.65%	0.024%
49	7.642	7.538	7.721	HH	1392	72864	2.36%	0.086%
50	7.831	7.805	7.869	HH	707	22810	0.74%	0.027%
51	8.011	7.960	8.048	HH	691	36162	1.17%	0.043%
52	8.175	8.158	8.192	HH	859	15301	0.50%	0.018%
53	8.381	8.315	8.421	HH	1213	67892	2.20%	0.080%
54	8.436	8.421	8.460	HH	1322	26993	0.87%	0.032%
55	8.585	8.578	8.604	HH	1164	17490	0.57%	0.021%
56	8.682	8.604	8.705	HH	1402	74744	2.42%	0.089%
57	8.725	8.705	8.747	HH	1361	33114	1.07%	0.039%
58	8.920	8.901	8.955	HH	1694	51377	1.66%	0.061%
59	9.495	9.474	9.515	HH	1885	43363	1.40%	0.051%
60	9.610	9.585	9.631	HH	1963	53571	1.73%	0.063%
61	9.661	9.631	9.683	HH	2085	61747	2.00%	0.073%
62	9.825	9.778	9.847	HH	2217	87666	2.84%	0.104%
63	10.011	9.988	10.028	HH	2197	52166	1.69%	0.062%
64	10.321	10.272	10.368	HH	2677	146288	4.74%	0.173%
65	10.533	10.435	10.561	HH	4539	246563	7.98%	0.292%
66	10.681	10.648	10.711	HH	3885	130838	4.24%	0.155%
67	10.886	10.841	10.924	HH	7325	227764	7.38%	0.270%
68	11.013	10.990	11.068	HH	4651	189866	6.15%	0.225%
69	11.213	11.191	11.241	HH	4562	132870	4.30%	0.157%
70	11.396	11.325	11.428	HH	4947	288872	9.36%	0.342%
71	11.682	11.638	11.718	HH	8368	296275	9.59%	0.351%
72	11.738	11.718	11.771	HH	5291	167421	5.42%	0.198%
73	11.990	11.933	12.018	HH	7207	324003	10.49%	0.384%
74	12.091	12.061	12.128	HH	7796	269399	8.72%	0.319%
75	12.489	12.440	12.511	HH	8042	321984	10.43%	0.381%
76	12.679	12.591	12.707	HH	9707	594274	19.25%	0.704%
77	12.843	12.795	12.877	HH	9760	438070	14.19%	0.519%
78	13.168	13.091	13.248	HH	9761	860010	27.85%	1.019%
79	13.355	13.248	13.438	HH	165675	3087872	100.00%	3.657%
80	13.455	13.438	13.479	HH	10934	260571	8.44%	0.309%
81	13.692	13.665	13.719	HH	12734	369405	11.96%	0.437%
82	13.752	13.719	13.771	HH	12509	365326	11.83%	0.433%
83	13.795	13.771	13.818	HH	12206	333278	10.79%	0.395%
84	13.832	13.818	13.885	HH	12262	467706	15.15%	0.554%
85	14.021	13.986	14.045	HH	12522	427146	13.83%	0.506%
86	14.057	14.045	14.078	HH	12743	250829	8.12%	0.297%
87	14.111	14.078	14.146	HH	30477	744887	24.12%	0.882%
88	14.162	14.146	14.235	HH	14167	678119	21.96%	0.803%
89	14.381	14.368	14.398	HH	14139	250419	8.11%	0.297%

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90	14.410	14.398	14.455	HH	13714	457823	14.83%	0.542%
91	14.562	14.545	14.598	HH	15330	463056	15.00%	0.548%
92	14.622	14.598	14.646	HH	17614	446474	14.46%	0.529%
93	14.675	14.646	14.712	HH	27651	718108	23.26%	0.850%
94	14.882	14.857	14.898	HH	15107	363034	11.76%	0.430%
95	14.929	14.898	14.981	HH	18131	792066	25.65%	0.938%
96	14.995	14.981	15.011	HH	15311	269948	8.74%	0.320%
97	15.106	15.091	15.121	HH	16191	289176	9.36%	0.342%
98	15.218	15.183	15.315	HH	30096	1428572	46.26%	1.692%
99	15.352	15.315	15.385	HH	16615	677963	21.96%	0.803%
100	15.471	15.445	15.501	HH	16621	551923	17.87%	0.654%
101	15.606	15.588	15.631	HH	17309	440443	14.26%	0.522%
102	15.740	15.708	15.810	HH	30469	1260305	40.81%	1.493%
103	15.875	15.861	15.898	HH	18420	398724	12.91%	0.472%
104	16.000	15.985	16.021	HH	20020	420624	13.62%	0.498%
105	16.058	16.021	16.098	HH	20622	902510	29.23%	1.069%
106	16.242	16.151	16.318	HH	33528	2183642	70.72%	2.586%
107	16.371	16.355	16.388	HH	20842	411540	13.33%	0.487%
108	16.536	16.475	16.581	HH	23464	1458111	47.22%	1.727%
109	16.825	16.758	16.845	VV	27213	1274526	41.28%	1.509%
110	17.046	16.977	17.131	VV	27512	2379523	77.06%	2.818%
111	17.194	17.131	17.271	VV	38683	2468372	79.94%	2.923%
112	17.290	17.271	17.313	VV	28766	680726	22.05%	0.806%
113	17.425	17.313	17.467	VV	31490	2632284	85.25%	3.117%
114	17.520	17.467	17.555	VV	54115	1940109	62.83%	2.298%
115	17.610	17.555	17.628	VV	36564	1321808	42.81%	1.565%
116	17.649	17.628	17.701	VV	36376	1431335	46.35%	1.695%
117	17.718	17.701	17.732	VV	29483	525809	17.03%	0.623%
118	17.758	17.732	17.798	VV	36318	1200418	38.88%	1.422%
119	17.812	17.798	17.825	VV	26945	426095	13.80%	0.505%
120	17.848	17.825	17.893	VV	30231	1106609	35.84%	1.311%
121	17.933	17.893	17.957	VV	28679	1029284	33.33%	1.219%
122	17.983	17.957	18.000	VV	29548	709880	22.99%	0.841%
123	18.026	18.000	18.048	VV	35666	901935	29.21%	1.068%
124	18.084	18.048	18.106	VV	41231	1155156	37.41%	1.368%
125	18.130	18.106	18.185	VV	45686	1461548	47.33%	1.731%
126	18.230	18.185	18.308	VV	35184	2148879	69.59%	2.545%
127	18.326	18.308	18.351	VV	23824	605990	19.62%	0.718%
128	18.428	18.351	18.480	VV	27671	1903872	61.66%	2.255%
129	18.507	18.480	18.531	VV	32438	807262	26.14%	0.956%
130	18.597	18.531	18.698	VV	37133	2515587	81.47%	2.979%
131	18.752	18.698	18.845	VV	22717	1733034	56.12%	2.052%
132	18.919	18.845	18.955	VV	30250	1384325	44.83%	1.639%
133	18.973	18.955	19.001	VV	19638	502101	16.26%	0.595%
134	19.023	19.001	19.048	VV	20742	527334	17.08%	0.625%
135	19.069	19.048	19.085	VV	20353	423165	13.70%	0.501%
136	19.101	19.085	19.145	VV	19293	657836	21.30%	0.779%
137	19.197	19.145	19.255	VV	17199	1077014	34.88%	1.276%
138	19.316	19.255	19.375	VV	26269	1339886	43.39%	1.587%
139	19.418	19.375	19.454	VV	17119	744646	24.12%	0.882%
140	19.513	19.454	19.581	VV	16269	1162084	37.63%	1.376%
141	19.610	19.581	19.675	VV	14881	803511	26.02%	0.952%

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142	19.707	19.675	19.798	VV	26237	1297703	42.03%	1.537%
143	19.825	19.798	19.863	VV	16949	582249	18.86%	0.690%
144	19.931	19.863	19.951	VV	14286	737410	23.88%	0.873%
145	19.986	19.951	20.035	VV	15276	719849	23.31%	0.853%
146	20.081	20.035	20.108	VV	22118	754146	24.42%	0.893%
147	20.130	20.108	20.180	VV	17501	660019	21.37%	0.782%
148	20.239	20.180	20.277	VV	15557	835775	27.07%	0.990%
149	20.319	20.277	20.335	VV	15160	502499	16.27%	0.595%
150	20.354	20.335	20.371	VV	15339	325887	10.55%	0.386%
151	20.397	20.371	20.415	VV	15789	400362	12.97%	0.474%
152	20.448	20.415	20.481	VV	21819	699169	22.64%	0.828%
153	20.511	20.481	20.545	VV	17723	622362	20.16%	0.737%
154	20.652	20.545	20.751	VV	19739	2072295	67.11%	2.454%
155	20.805	20.751	20.871	VV	20452	1124392	36.41%	1.332%
156	20.926	20.871	21.001	VV	19909	1200797	38.89%	1.422%
157	21.042	21.001	21.106	VV	13846	807128	26.14%	0.956%
158	21.188	21.106	21.315	VV	15106	1348845	43.68%	1.597%
159	21.349	21.315	21.378	VV	8620	321082	10.40%	0.380%
160	21.394	21.378	21.461	VV	8083	383498	12.42%	0.454%
161	21.473	21.461	21.578	VV	7025	433890	14.05%	0.514%
162	21.620	21.578	21.690	VV	7252	365175	11.83%	0.432%
163	21.737	21.690	21.794	VV	4086	229032	7.42%	0.271%
164	21.813	21.794	21.961	VV	3026	206379	6.68%	0.244%
165	21.980	21.961	22.041	VV	1214	36373	1.18%	0.043%

Sum of corrected areas: 84436149

Aliphatic EPH 030325.M Wed Mar 12 04:07:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031125AR\
Data File : FF015649.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 10:17
Operator : YP\AJ
Sample : Q1514-01DL 2X
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Mar 12 01:14:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
ENV-105-SB01DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.991	2959399	25.421 ug/ml
Spiked Amount 50.000		Recovery =	50.84%
6) S 2-Flurobiphenyl (SURR)	8.873	1600875	22.474 ug/mlm
Spiked Amount 50.000 Range	0 - 131	Recovery =	44.95%
11) S ortho-Terphenyl (SURR)	11.929	2221251	15.100 ug/ml
Spiked Amount 50.000		Recovery =	30.20%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031125AR\
Data File : FF015649.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 10:17
Operator : YP\AJ
Sample : Q1514-01DL 2X
Misc :
ALS Vial : 71 Sample Multiplier: 1

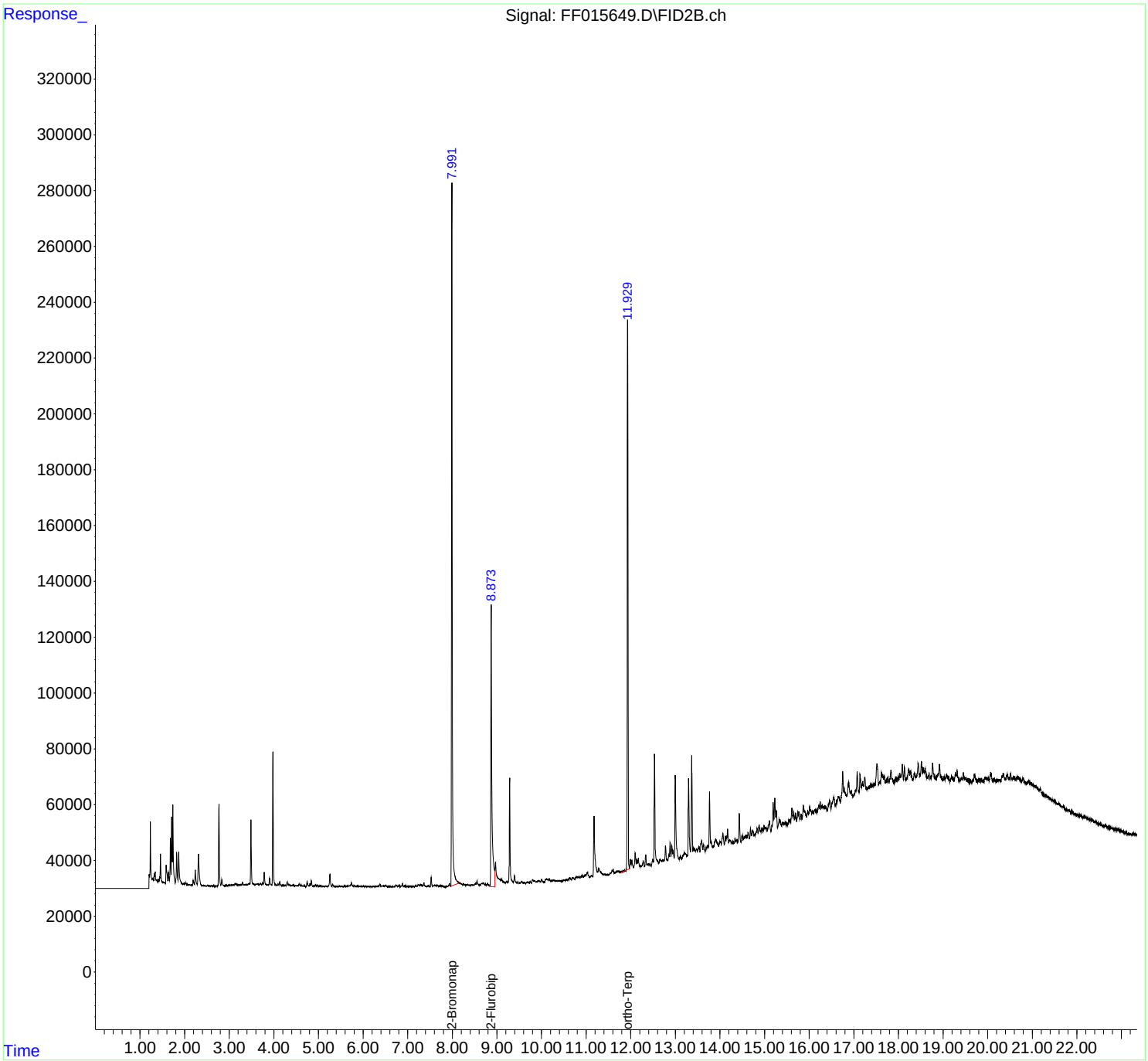
Integration File: autoint1.e
Quant Time: Mar 12 01:14:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

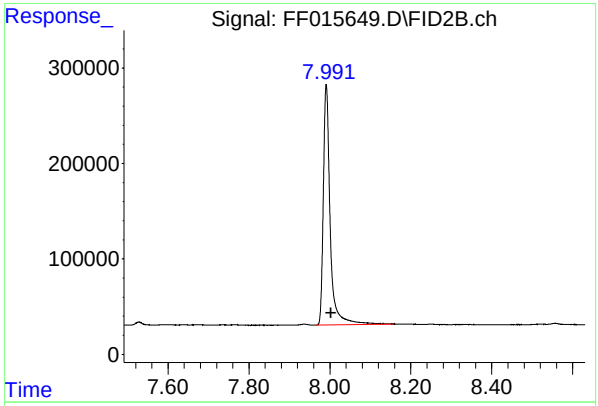
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
ENV-105-SB01DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025





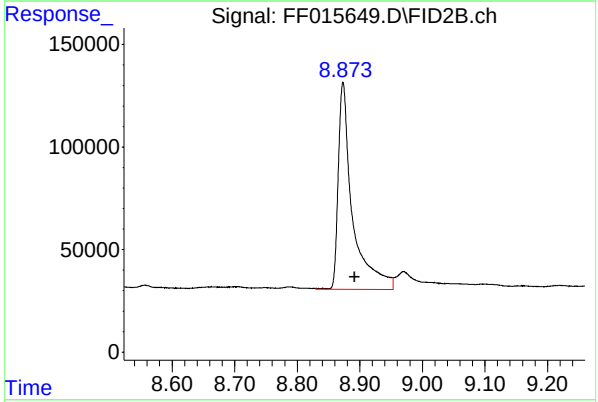
#4 2-Bromonaphthalene (SURR)

R.T.: 7.991 min
Delta R.T.: -0.012 min
Response: 2959399
Conc: 25.42 ug/ml

Instrument :
FID_F
ClientSampleId :
ENV-105-SB01DL

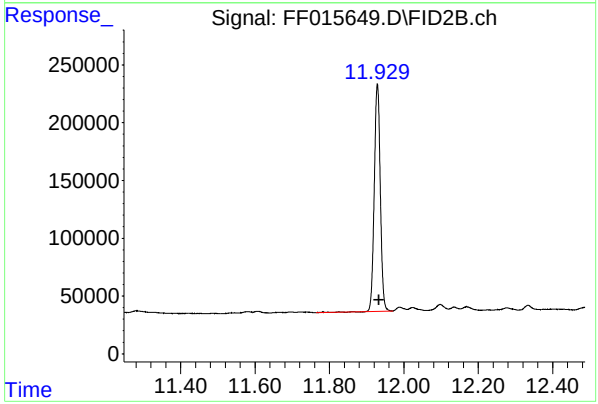
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.873 min
Delta R.T.: -0.019 min
Response: 1600875
Conc: 22.47 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.929 min
Delta R.T.: -0.004 min
Response: 2221251
Conc: 15.10 ug/ml

12

Instrument :
FID_F
ClientSampleId :
ENV-105-SB01DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03112
Data File : FF015649.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 10:17
Sample : Q1514-01DL 2X
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.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	4.440	4.401	4.468	BV	269	4171	0.14%	0.003%
2	4.484	4.468	4.491	PV	119	1045	0.03%	0.001%
3	4.500	4.491	4.538	VV	162	2958	0.10%	0.002%
4	4.566	4.538	4.601	VV	678	13133	0.43%	0.011%
5	4.609	4.601	4.617	VV	549	2254	0.07%	0.002%
6	4.628	4.625	4.644	VV	184	1737	0.06%	0.001%
7	4.650	4.644	4.664	VV	179	1558	0.05%	0.001%
8	4.684	4.664	4.716	VV	354	5623	0.18%	0.005%
9	4.746	4.716	4.777	PV	1770	24481	0.79%	0.020%
10	4.808	4.777	4.825	VV	1072	15017	0.49%	0.012%
11	4.841	4.825	4.875	VV	2105	26246	0.85%	0.022%
12	4.888	4.875	4.892	VV	208	1582	0.05%	0.001%
13	4.899	4.892	4.914	VV	222	2258	0.07%	0.002%
14	4.933	4.914	4.957	VV	684	11095	0.36%	0.009%
15	4.969	4.957	4.996	VV	425	6402	0.21%	0.005%
16	5.002	4.996	5.009	VV	174	1231	0.04%	0.001%
17	5.013	5.009	5.026	VV	182	1525	0.05%	0.001%
18	5.051	5.036	5.105	VV	329	6960	0.23%	0.006%
19	5.113	5.105	5.150	VV	92	1515	0.05%	0.001%
20	5.166	5.150	5.205	VV	284	4772	0.15%	0.004%
21	5.257	5.205	5.301	VV	4505	67997	2.21%	0.056%
22	5.320	5.301	5.371	VV	936	14380	0.47%	0.012%
23	5.376	5.371	5.396	VV	138	1276	0.04%	0.001%
24	5.444	5.434	5.451	VV	133	1024	0.03%	0.001%
25	5.470	5.451	5.496	VV	298	4370	0.14%	0.004%
26	5.587	5.550	5.597	VV	305	5562	0.18%	0.005%
27	5.621	5.609	5.628	VV	265	2593	0.08%	0.002%
28	5.634	5.628	5.639	VV	261	1558	0.05%	0.001%
29	5.657	5.639	5.686	VV	365	7554	0.25%	0.006%
30	5.703	5.686	5.721	VV	508	8268	0.27%	0.007%
31	5.740	5.721	5.787	VV	1524	25353	0.82%	0.021%
32	5.800	5.787	5.843	VV	484	9863	0.32%	0.008%
33	5.869	5.851	5.934	VV	301	10131	0.33%	0.008%
34	5.945	5.934	5.953	VV	171	1518	0.05%	0.001%
35	5.962	5.953	5.996	VV	284	4237	0.14%	0.003%
36	6.006	5.996	6.024	VV	320	3814	0.12%	0.003%

12

Instrument :
FID_F
ClientSampleId :
ENV-105-SB01DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

A B C D E F G H I J

					rteres			
37	6.034	6.024	6.041	VV	225	1577	0.05%	0.001%
38	6.042	6.041	6.056	VV	195	1205		
39	6.070	6.056	6.093	VV	220	3524		
40	6.109	6.103	6.156	VV	131	3461		
41	6.180	6.165	6.187	VV	136	1227		
42	6.192	6.187	6.216	VV	167	1994		
43	6.221	6.216	6.250	VV	186	2911	0.09%	0.002%
44	6.254	6.250	6.265	VV	148	1125	0.04%	0.001%
45	6.284	6.265	6.312	VV	261	4728	0.15%	0.004%
46	6.334	6.312	6.354	VV	397	6264	0.20%	0.005%
47	6.379	6.354	6.427	VV	837	20119	0.65%	0.016%
48	6.437	6.427	6.451	VV	455	5362	0.17%	0.004%
49	6.455	6.451	6.474	VV	292	2961	0.10%	0.002%
50	6.512	6.474	6.546	VV	545	13941	0.45%	0.011%
51	6.548	6.546	6.561	VV	140	1207	0.04%	0.001%
52	6.649	6.633	6.658	VV	162	1346	0.04%	0.001%
53	6.668	6.658	6.676	VV	153	1278	0.04%	0.001%
54	6.737	6.689	6.762	VV	835	15668	0.51%	0.013%
55	6.765	6.762	6.792	VV	321	4322	0.14%	0.004%
56	6.811	6.792	6.835	VV	762	9927	0.32%	0.008%
57	6.851	6.835	6.865	VV	413	4982	0.16%	0.004%
58	6.882	6.865	6.905	VV	1213	14855	0.48%	0.012%
59	6.914	6.905	6.935	VV	422	4387	0.14%	0.004%
60	6.957	6.935	6.988	VV	650	8452	0.27%	0.007%
61	7.009	6.996	7.016	VV	149	1081	0.04%	0.001%
62	7.064	7.058	7.092	VV	134	1879	0.06%	0.002%
63	7.104	7.092	7.114	VV	159	1457	0.05%	0.001%
64	7.130	7.114	7.146	VV	155	2078	0.07%	0.002%
65	7.182	7.155	7.210	VV	762	10801	0.35%	0.009%
66	7.236	7.210	7.255	VV	830	14464	0.47%	0.012%
67	7.265	7.255	7.269	VV	585	4628	0.15%	0.004%
68	7.285	7.269	7.299	VV	919	13383	0.43%	0.011%
69	7.305	7.299	7.335	VV	691	10390	0.34%	0.009%
70	7.365	7.335	7.429	VV	1478	28872	0.94%	0.024%
71	7.472	7.429	7.498	VV	461	10796	0.35%	0.009%
72	7.528	7.498	7.568	VV	3403	45182	1.47%	0.037%
73	7.591	7.568	7.623	VV	599	14738	0.48%	0.012%
74	7.639	7.623	7.653	VV	538	7389	0.24%	0.006%
75	7.677	7.653	7.695	VV	613	10852	0.35%	0.009%
76	7.736	7.695	7.749	VV	510	9658	0.31%	0.008%
77	7.764	7.749	7.819	VV	564	8007	0.26%	0.007%
78	7.878	7.871	7.891	VV	175	1285	0.04%	0.001%
79	7.937	7.902	7.964	VV	1146	17292	0.56%	0.014%
80	7.991	7.964	8.234	VV	252117	3081252	100.00%	2.525%
81	8.250	8.234	8.272	VV	1004	17939	0.58%	0.015%
82	8.283	8.272	8.288	VV	583	5046	0.16%	0.004%
83	8.290	8.288	8.295	VV	531	2010	0.07%	0.002%
84	8.314	8.295	8.327	VV	579	10048	0.33%	0.008%
85	8.333	8.327	8.362	VV	672	11004	0.36%	0.009%
86	8.370	8.362	8.402	VV	440	8674	0.28%	0.007%
87	8.425	8.402	8.432	VV	395	6009	0.20%	0.005%
88	8.449	8.432	8.457	VV	489	6392	0.21%	0.005%
89	8.467	8.457	8.489	VV	485	7247	0.24%	0.006%

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90	8.522	8.489	8.537	VV	907	19370	0.63%	0.016%
91	8.557	8.537	8.626	VV	1876	40692		
92	8.663	8.626	8.683	VV	947	23429		
93	8.705	8.683	8.737	VV	1005	22769		
94	8.749	8.737	8.771	VV	602	8201		
95	8.788	8.771	8.836	VV	899	14955		
96	8.873	8.846	8.953	PV	100706	1571435	51.00%	1.288%
97	8.970	8.953	9.037	VV	8258	218268	7.08%	0.179%
98	9.040	9.037	9.048	VV	2330	14082	0.46%	0.012%
99	9.051	9.048	9.085	VV	2258	45630	1.48%	0.037%
100	9.100	9.085	9.143	VV	2043	56024	1.82%	0.046%
101	9.162	9.143	9.194	VV	1106	27605	0.90%	0.023%
102	9.219	9.194	9.251	VV	1317	32922	1.07%	0.027%
103	9.287	9.251	9.359	VV	38215	479057	15.55%	0.393%
104	9.364	9.359	9.372	VV	918	6901	0.22%	0.006%
105	9.396	9.372	9.436	VV	3138	58184	1.89%	0.048%
106	9.469	9.436	9.499	VV	881	21775	0.71%	0.018%
107	9.519	9.499	9.530	VV	536	7088	0.23%	0.006%
108	9.554	9.530	9.588	VV	966	20943	0.68%	0.017%
109	9.606	9.588	9.651	VV	478	11816	0.38%	0.010%
110	9.681	9.651	9.728	VV	563	16916	0.55%	0.014%
111	9.746	9.728	9.775	VV	887	12860	0.42%	0.011%
112	9.799	9.775	9.834	VV	1345	30537	0.99%	0.025%
113	9.853	9.834	9.877	VV	951	18286	0.59%	0.015%
114	9.899	9.877	9.911	VV	617	10528	0.34%	0.009%
115	9.936	9.911	9.973	VV	854	24150	0.78%	0.020%
116	10.002	9.973	10.047	VV	1275	26550	0.86%	0.022%
117	10.091	10.047	10.107	VV	1220	22333	0.72%	0.018%
118	10.122	10.107	10.148	VV	1270	26838	0.87%	0.022%
119	10.170	10.148	10.203	VV	1264	30836	1.00%	0.025%
120	10.208	10.203	10.219	VV	532	4533	0.15%	0.004%
121	10.243	10.219	10.259	VV	727	13576	0.44%	0.011%
122	10.289	10.259	10.328	VV	686	22112	0.72%	0.018%
123	10.339	10.328	10.361	VV	505	7381	0.24%	0.006%
124	10.392	10.361	10.430	VV	510	14475	0.47%	0.012%
125	10.438	10.430	10.461	VV	287	2660	0.09%	0.002%
126	10.486	10.461	10.496	PV	632	7540	0.24%	0.006%
127	10.499	10.496	10.503	VV	420	1796	0.06%	0.001%
128	10.515	10.503	10.537	VV	556	8218	0.27%	0.007%
129	10.557	10.537	10.576	VV	786	12982	0.42%	0.011%
130	10.592	10.576	10.607	VV	731	10357	0.34%	0.008%
131	10.642	10.607	10.664	VV	1119	28125	0.91%	0.023%
132	10.693	10.664	10.706	VV	1062	20354	0.66%	0.017%
133	10.712	10.706	10.739	VV	984	15895	0.52%	0.013%
134	10.781	10.739	10.791	VV	1337	29353	0.95%	0.024%
135	10.803	10.791	10.817	VV	1353	18305	0.59%	0.015%
136	10.844	10.817	10.861	VV	1320	28467	0.92%	0.023%
137	10.884	10.861	10.891	VV	1305	19653	0.64%	0.016%
138	10.911	10.891	10.931	VV	1721	33561	1.09%	0.028%
139	10.954	10.931	10.962	VV	1599	24732	0.80%	0.020%
140	10.976	10.962	10.994	VV	1777	30129	0.98%	0.025%
141	11.031	10.994	11.082	VV	2700	91595	2.97%	0.075%

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142	11.130	11.082	11.147	VV	1399	42269	1.37%	0.035%
143	11.178	11.147	11.259	VV	22529	471268	15	
144	11.280	11.259	11.319	VV	3805	109537	3	
145	11.327	11.319	11.376	VV	2478	65428	2	
146	11.384	11.376	11.397	VV	1483	17766	0	
147	11.420	11.397	11.441	VV	1542	35163	1	
148	11.454	11.441	11.476	VV	1337	25284	0.82%	0.021%
149	11.488	11.476	11.517	VV	1330	29253	0.95%	0.024%
150	11.545	11.517	11.557	VV	1692	35177	1.14%	0.029%
151	11.579	11.557	11.594	VV	2683	49390	1.60%	0.040%
152	11.608	11.594	11.641	VV	2994	60398	1.96%	0.049%
153	11.664	11.641	11.679	VV	1988	40336	1.31%	0.033%
154	11.695	11.679	11.708	VV	2266	35610	1.16%	0.029%
155	11.726	11.708	11.734	VV	2141	32185	1.04%	0.026%
156	11.740	11.734	11.760	VV	2122	29331	0.95%	0.024%
157	11.782	11.760	11.790	VV	1955	31669	1.03%	0.026%
158	11.797	11.790	11.810	VV	1913	21757	0.71%	0.018%
159	11.826	11.810	11.844	VV	2202	39567	1.28%	0.032%
160	11.863	11.844	11.879	VV	2305	42929	1.39%	0.035%
161	11.929	11.879	11.971	VV	199475	2341465	75.99%	1.919%
162	11.989	11.971	12.011	VV	6017	112688	3.66%	0.092%
163	12.024	12.011	12.058	VV	5660	122927	3.99%	0.101%
164	12.098	12.058	12.121	VV	8228	194547	6.31%	0.159%
165	12.135	12.121	12.152	VV	5921	93604	3.04%	0.077%
166	12.169	12.152	12.209	VV	6202	154250	5.01%	0.126%
167	12.226	12.209	12.239	VV	3390	57097	1.85%	0.047%
168	12.277	12.239	12.310	VV	5109	165829	5.38%	0.136%
169	12.334	12.310	12.367	VV	7222	161483	5.24%	0.132%
170	12.376	12.367	12.389	VV	3700	46259	1.50%	0.038%
171	12.406	12.389	12.412	VV	3738	49725	1.61%	0.041%
172	12.416	12.412	12.425	VV	3786	29041	0.94%	0.024%
173	12.430	12.425	12.458	VV	3631	65668	2.13%	0.054%
174	12.492	12.458	12.511	VV	5324	141288	4.59%	0.116%
175	12.531	12.511	12.577	VV	43113	631161	20.48%	0.517%
176	12.584	12.577	12.624	VV	5168	127445	4.14%	0.104%
177	12.655	12.624	12.683	VV	5037	163710	5.31%	0.134%
178	12.690	12.683	12.697	VV	4582	37947	1.23%	0.031%
179	12.729	12.697	12.749	VV	4887	143365	4.65%	0.117%
180	12.778	12.749	12.804	VV	9683	215617	7.00%	0.177%
181	12.808	12.804	12.812	VV	4724	22903	0.74%	0.019%
182	12.823	12.812	12.832	VV	4789	54473	1.77%	0.045%
183	12.852	12.832	12.860	VV	6501	97601	3.17%	0.080%
184	12.879	12.860	12.899	VV	10820	193201	6.27%	0.158%
185	12.918	12.899	12.935	VV	9763	170741	5.54%	0.140%
186	12.947	12.935	12.972	VV	8073	149074	4.84%	0.122%
187	12.996	12.972	13.083	VV	34847	780527	25.33%	0.640%
188	13.113	13.083	13.118	VV	5462	104742	3.40%	0.086%
189	13.123	13.118	13.142	VV	5508	75453	2.45%	0.062%
190	13.199	13.142	13.232	VV	6799	318668	10.34%	0.261%
191	13.237	13.232	13.261	VV	6306	100859	3.27%	0.083%
192	13.294	13.261	13.338	VV	33246	645143	20.94%	0.529%
193	13.365	13.338	13.392	VV	41313	641460	20.82%	0.526%
194	13.408	13.392	13.454	VV	8368	284755	9.24%	0.233%

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195	13.476	13.454	13.494	VV	7844	176110	5.72%	0.144%
196	13.530	13.494	13.551	VV	8692	263303	8	
197	13.589	13.551	13.615	VV	10691	343497	11	
198	13.633	13.615	13.669	VV	9130	254216	8	
199	13.688	13.669	13.702	VV	8158	147350	4	
200	13.719	13.702	13.736	VV	8798	170175	5	
201	13.764	13.736	13.795	VV	27786	526013	17.07%	0.431%
202	13.799	13.795	13.831	VV	10004	193918	6.29%	0.159%
203	13.847	13.831	13.858	VV	8355	130408	4.23%	0.107%
204	13.882	13.858	13.886	VV	9809	153249	4.97%	0.126%
205	13.900	13.886	13.970	VV	10763	482187	15.65%	0.395%
206	14.012	13.970	14.029	VV	9722	323246	10.49%	0.265%
207	14.065	14.029	14.096	VV	12626	423557	13.75%	0.347%
208	14.120	14.096	14.136	VV	11498	240421	7.80%	0.197%
209	14.148	14.136	14.156	VV	11457	130046	4.22%	0.107%
210	14.170	14.156	14.192	VV	13932	256650	8.33%	0.210%
211	14.215	14.192	14.249	VV	10077	329016	10.68%	0.270%
212	14.258	14.249	14.263	VV	9224	75144	2.44%	0.062%
213	14.265	14.263	14.276	VV	9106	66793	2.17%	0.055%
214	14.287	14.276	14.315	VV	9613	214878	6.97%	0.176%
215	14.337	14.315	14.364	VV	10504	280970	9.12%	0.230%
216	14.376	14.364	14.398	VV	9841	194964	6.33%	0.160%
217	14.431	14.398	14.465	VV	19335	499958	16.23%	0.410%
218	14.500	14.465	14.517	VV	11457	318623	10.34%	0.261%
219	14.555	14.517	14.565	VV	10792	292197	9.48%	0.239%
220	14.569	14.565	14.574	VV	10536	56417	1.83%	0.046%
221	14.590	14.574	14.605	VV	11265	203364	6.60%	0.167%
222	14.630	14.605	14.662	VV	12093	375199	12.18%	0.307%
223	14.683	14.662	14.702	VV	13557	286986	9.31%	0.235%
224	14.738	14.702	14.764	VV	12672	432854	14.05%	0.355%
225	14.774	14.764	14.788	VV	11468	163293	5.30%	0.134%
226	14.831	14.788	14.851	VV	13480	457750	14.86%	0.375%
227	14.877	14.851	14.923	VV	14523	556894	18.07%	0.456%
228	14.948	14.923	14.965	VV	13477	317750	10.31%	0.260%
229	14.987	14.965	15.006	VV	14069	327131	10.62%	0.268%
230	15.011	15.006	15.017	VV	13440	92819	3.01%	0.076%
231	15.023	15.017	15.059	VV	13652	324686	10.54%	0.266%
232	15.107	15.059	15.146	VV	15797	707086	22.95%	0.579%
233	15.167	15.146	15.172	VV	13960	204901	6.65%	0.168%
234	15.190	15.172	15.208	VV	22112	399243	12.96%	0.327%
235	15.227	15.208	15.249	VV	23722	480479	15.59%	0.394%
236	15.264	15.249	15.291	VV	19134	418717	13.59%	0.343%
237	15.324	15.291	15.334	VV	15860	370438	12.02%	0.304%
238	15.345	15.334	15.377	VV	15990	386525	12.54%	0.317%
239	15.408	15.377	15.420	VV	14764	363490	11.80%	0.298%
240	15.425	15.420	15.438	VV	14524	157139	5.10%	0.129%
241	15.451	15.438	15.479	VV	14325	352397	11.44%	0.289%
242	15.496	15.479	15.515	VV	14402	303020	9.83%	0.248%
243	15.548	15.515	15.572	VV	15710	508034	16.49%	0.416%
244	15.610	15.572	15.634	VV	19491	625200	20.29%	0.512%
245	15.652	15.634	15.676	VV	18172	415484	13.48%	0.340%
246	15.693	15.676	15.716	VV	17541	398385	12.93%	0.326%

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247	15.742	15.716	15.757	VV	18207	406899	13.21%	0.333%
248	15.768	15.757	15.797	VV	18127	395182	12	
249	15.817	15.797	15.845	VV	17171	476514	15	
250	15.866	15.845	15.944	VV	20398	1047861	34	
251	15.965	15.944	15.984	VV	18419	417932	13	
252	16.007	15.984	16.029	VV	19332	491556	15	
253	16.039	16.029	16.059	VV	18406	322068	10.45%	0.264%
254	16.079	16.059	16.099	VV	17950	417481	13.55%	0.342%
255	16.121	16.099	16.127	VV	18102	302035	9.80%	0.248%
256	16.132	16.127	16.139	VV	18254	126446	4.10%	0.104%
257	16.146	16.139	16.151	VV	18164	125049	4.06%	0.102%
258	16.157	16.151	16.177	VV	18215	276799	8.98%	0.227%
259	16.221	16.177	16.231	VV	19812	603594	19.59%	0.495%
260	16.246	16.231	16.267	VV	20990	432553	14.04%	0.354%
261	16.281	16.267	16.338	VV	19727	805072	26.13%	0.660%
262	16.359	16.338	16.375	VV	19379	418047	13.57%	0.343%
263	16.380	16.375	16.382	VV	18492	78601	2.55%	0.064%
264	16.386	16.382	16.404	VV	18773	240700	7.81%	0.197%
265	16.461	16.404	16.488	VV	21227	974678	31.63%	0.799%
266	16.507	16.488	16.519	VV	20182	368177	11.95%	0.302%
267	16.548	16.519	16.580	VV	22294	779392	25.29%	0.639%
268	16.615	16.580	16.625	VV	21212	531925	17.26%	0.436%
269	16.660	16.625	16.695	VV	22429	910135	29.54%	0.746%
270	16.752	16.695	16.773	VV	31283	1141165	37.04%	0.935%
271	16.787	16.773	16.830	VV	25149	813534	26.40%	0.667%
272	16.836	16.830	16.847	VV	22871	236439	7.67%	0.194%
273	16.887	16.847	16.917	VV	27193	1048088	34.01%	0.859%
274	16.936	16.917	16.981	VV	24100	874984	28.40%	0.717%
275	16.983	16.981	16.987	VV	22243	88071	2.86%	0.072%
276	17.002	16.987	17.010	VV	22808	303204	9.84%	0.248%
277	17.074	17.010	17.118	VV	30703	1621635	52.63%	1.329%
278	17.138	17.118	17.161	VV	29700	694900	22.55%	0.569%
279	17.166	17.161	17.177	VV	25940	253255	8.22%	0.208%
280	17.198	17.177	17.219	VV	27213	645582	20.95%	0.529%
281	17.244	17.219	17.284	VV	28680	1028329	33.37%	0.843%
282	17.289	17.284	17.324	VV	24848	587081	19.05%	0.481%
283	17.332	17.324	17.337	VV	25147	198834	6.45%	0.163%
284	17.347	17.337	17.357	VV	25478	286526	9.30%	0.235%
285	17.370	17.357	17.384	VV	25877	414455	13.45%	0.340%
286	17.396	17.384	17.426	VV	25805	631066	20.48%	0.517%
287	17.435	17.426	17.442	VV	25628	245333	7.96%	0.201%
288	17.465	17.442	17.481	VV	25927	604338	19.61%	0.495%
289	17.518	17.481	17.557	VV	32959	1329879	43.16%	1.090%
290	17.566	17.557	17.571	VV	26284	214516	6.96%	0.176%
291	17.579	17.571	17.584	VV	26608	212641	6.90%	0.174%
292	17.618	17.584	17.642	VV	29675	969398	31.46%	0.794%
293	17.649	17.642	17.671	VV	28890	478111	15.52%	0.392%
294	17.681	17.671	17.711	VV	28451	652049	21.16%	0.534%
295	17.721	17.711	17.742	VV	26691	494329	16.04%	0.405%
296	17.753	17.742	17.757	VV	27582	240458	7.80%	0.197%
297	17.765	17.757	17.789	VV	27798	519217	16.85%	0.426%
298	17.805	17.789	17.808	VV	27321	305893	9.93%	0.251%
299	17.832	17.808	17.864	VV	30145	954343	30.97%	0.782%

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300	17.868	17.864	17.876	VV	27071	189600	6.15%	0.155%
301	17.881	17.876	17.886	VV	26678	149617		
302	17.888	17.886	17.904	VV	26718	274193		
303	17.944	17.904	17.965	VV	27746	981224	31	
304	17.991	17.965	18.006	VV	28019	672530	21	
305	18.029	18.006	18.049	VV	28828	705373	22	
306	18.057	18.049	18.062	VV	28130	223203	7.24%	0.183%
307	18.086	18.062	18.112	VV	31940	872382	28.31%	0.715%
308	18.136	18.112	18.164	VV	30982	888752	28.84%	0.728%
309	18.172	18.164	18.177	VV	26996	208448	6.77%	0.171%
310	18.235	18.177	18.249	VV	29942	1202809	39.04%	0.986%
311	18.274	18.249	18.321	VV	29530	1207024	39.17%	0.989%
312	18.328	18.321	18.332	VV	26567	183196	5.95%	0.150%
313	18.364	18.332	18.371	VV	28699	645260	20.94%	0.529%
314	18.376	18.371	18.394	VV	27384	366972	11.91%	0.301%
315	18.400	18.394	18.403	VV	27424	154814	5.02%	0.127%
316	18.445	18.403	18.487	VV	31928	1459438	47.37%	1.196%
317	18.515	18.487	18.535	VV	32382	854856	27.74%	0.701%
318	18.557	18.535	18.587	VV	30175	913086	29.63%	0.748%
319	18.601	18.587	18.635	VV	29729	804070	26.10%	0.659%
320	18.640	18.635	18.647	VV	27004	201811	6.55%	0.165%
321	18.689	18.647	18.709	VV	28300	995368	32.30%	0.816%
322	18.721	18.709	18.737	VV	26916	449426	14.59%	0.368%
323	18.765	18.737	18.831	VV	31596	1557754	50.56%	1.277%
324	18.837	18.831	18.850	VV	26651	304301	9.88%	0.249%
325	18.917	18.850	18.963	VV	31024	1858989	60.33%	1.523%
326	18.975	18.963	18.992	VV	26325	461448	14.98%	0.378%
327	19.022	18.992	19.029	VV	26466	559064	18.14%	0.458%
328	19.033	19.029	19.042	VV	26260	209713	6.81%	0.172%
329	19.079	19.042	19.099	VV	27070	879693	28.55%	0.721%
330	19.120	19.099	19.127	VV	26224	450111	14.61%	0.369%
331	19.133	19.127	19.159	VV	26190	475424	15.43%	0.390%
332	19.184	19.159	19.206	VV	26051	714533	23.19%	0.586%
333	19.212	19.206	19.221	VV	26019	227748	7.39%	0.187%
334	19.227	19.221	19.242	VV	25385	324389	10.53%	0.266%
335	19.276	19.242	19.292	VV	27522	780374	25.33%	0.640%
336	19.317	19.292	19.346	VV	27944	858360	27.86%	0.703%
337	19.354	19.346	19.385	VV	25173	574560	18.65%	0.471%
338	19.417	19.385	19.437	VV	25390	774006	25.12%	0.634%
339	19.455	19.437	19.494	VV	27052	884406	28.70%	0.725%
340	19.505	19.494	19.539	VV	25483	668283	21.69%	0.548%
341	19.559	19.539	19.584	VV	24939	657440	21.34%	0.539%
342	19.591	19.584	19.641	VV	24950	814093	26.42%	0.667%
343	19.700	19.641	19.751	VV	26465	1618725	52.53%	1.327%
344	19.757	19.751	19.786	VV	24424	501148	16.26%	0.411%
345	19.800	19.786	19.812	VV	24603	383367	12.44%	0.314%
346	19.825	19.812	19.842	VV	24581	432564	14.04%	0.354%
347	19.855	19.842	19.892	VV	24665	716654	23.26%	0.587%
348	19.899	19.892	19.921	VV	23630	400347	12.99%	0.328%
349	19.947	19.921	19.959	VV	25020	563029	18.27%	0.461%
350	19.967	19.959	19.991	VV	24572	462173	15.00%	0.379%
351	20.011	19.991	20.034	VV	24818	630301	20.46%	0.517%

12

Instrument :
FID_F
ClientSampleId :
ENV-105-SB01DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

A B C D E F G H I J

				rteres				
352	20.080	20.034	20.107	VV	26378	1091670	35.43%	0.895%
353	20.131	20.107	20.142	VV	24098	495791	16	
354	20.155	20.142	20.199	VV	24339	801028	26	
355	20.220	20.199	20.258	VV	23817	826756	26	
356	20.266	20.258	20.294	VV	23684	506947	16	
357	20.320	20.294	20.334	VV	25034	577106	18	
358	20.351	20.334	20.391	VV	25824	838835	27.22%	0.687%
359	20.397	20.391	20.411	VV	23867	284700	9.24%	0.233%
360	20.436	20.411	20.471	VV	25483	883496	28.67%	0.724%
361	20.482	20.471	20.496	VV	24218	356825	11.58%	0.292%
362	20.513	20.496	20.532	VV	25549	542914	17.62%	0.445%
363	20.541	20.532	20.556	VV	23802	337827	10.96%	0.277%
364	20.577	20.556	20.592	VV	24435	521770	16.93%	0.428%
365	20.607	20.592	20.622	VV	24216	427223	13.87%	0.350%
366	20.661	20.622	20.681	VV	24358	830344	26.95%	0.680%
367	20.688	20.681	20.709	VV	24363	402222	13.05%	0.330%
368	20.717	20.709	20.757	VV	23686	666746	21.64%	0.546%
369	20.800	20.757	20.881	VV	23487	1658171	53.81%	1.359%
370	20.920	20.881	20.952	VV	22499	931571	30.23%	0.763%
371	20.981	20.952	21.002	VV	21641	639659	20.76%	0.524%
372	21.013	21.002	21.022	VV	20928	248977	8.08%	0.204%
373	21.029	21.022	21.066	VV	20445	527791	17.13%	0.433%
374	21.076	21.066	21.154	VV	20423	1036068	33.62%	0.849%
375	21.181	21.154	21.242	VV	19034	952315	30.91%	0.780%
376	21.251	21.242	21.282	VV	17547	414989	13.47%	0.340%
377	21.305	21.282	21.347	VV	16939	639046	20.74%	0.524%
378	21.356	21.347	21.438	VV	16329	845722	27.45%	0.693%
379	21.451	21.438	21.487	VV	15088	427175	13.86%	0.350%
380	21.497	21.487	21.579	VV	14767	757178	24.57%	0.621%
381	21.583	21.579	21.591	VV	13433	92000	2.99%	0.075%
382	21.602	21.591	21.667	VV	13369	584148	18.96%	0.479%
383	21.683	21.667	21.793	VV	12382	861159	27.95%	0.706%
384	21.823	21.793	21.864	VV	10853	446217	14.48%	0.366%
385	21.881	21.864	21.932	VV	10010	395064	12.82%	0.324%
386	21.942	21.932	21.961	VV	9320	159272	5.17%	0.131%
387	21.973	21.961	21.987	VV	9072	139677	4.53%	0.114%
388	21.996	21.987	22.011	VV	8996	130303	4.23%	0.107%
389	22.018	22.011	22.042	VV	8658	157375	5.11%	0.129%
390	22.050	22.042	22.079	VV	8511	180117	5.85%	0.148%
391	22.089	22.079	22.139	VV	8700	293179	9.51%	0.240%
392	22.153	22.139	22.172	VV	7789	152920	4.96%	0.125%
393	22.184	22.172	22.219	VV	8019	212551	6.90%	0.174%
394	22.228	22.219	22.265	VV	7444	199373	6.47%	0.163%
395	22.294	22.265	22.317	VV	6983	211053	6.85%	0.173%
396	22.330	22.317	22.341	VV	6526	89299	2.90%	0.073%
397	22.353	22.341	22.391	VV	6397	185406	6.02%	0.152%
398	22.413	22.391	22.491	VV	5994	322482	10.47%	0.264%
399	22.505	22.491	22.591	VV	4928	268397	8.71%	0.220%
400	22.598	22.591	22.621	VV	4051	71500	2.32%	0.059%
401	22.639	22.621	22.697	VV	4260	171710	5.57%	0.141%
402	22.708	22.697	22.769	VV	3451	135916	4.41%	0.111%
403	22.775	22.769	22.782	VV	3052	23365	0.76%	0.019%
404	22.800	22.782	22.866	VV	3005	133185	4.32%	0.109%

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Instrument :
FID_F
ClientSampleId :
ENV-105-SB01DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/12/2025
Supervised By :Ankita Jodhani 03/12/2025

A B C D E F G H I J

					rteres			
405	22.878	22.866	22.892	VV	2652	38138	1.24%	0.031%
406	22.914	22.892	22.991	VV	2593	122079	3	
407	23.009	22.991	23.089	VV	1759	73856	2	
408	23.095	23.089	23.127	VV	1057	17515	0	
409	23.149	23.127	23.172	VV	652	12883	0	
410	23.179	23.172	23.226	VV	557	9143	0	
411	23.243	23.226	23.272	VV	414	5789	0.19%	0.005%
412	23.282	23.272	23.311	VBA	462	13764	0.45%	0.011%
			Sum of corrected areas:			122022617		

Aromatic EPH 022625.M Wed Mar 12 01:46:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052721.D
Signal(s) : FID1B.ch
Acq On : 11 Mar 2025 02:34
Operator : YP\AJ
Sample : Q1514-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-105-SB02

Integration File: autoint1.e
Quant Time: Mar 11 05:27:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.357	4082642	33.622 ug/ml
Spiked Amount 50.000		Recovery = 67.24%	
Target Compounds			

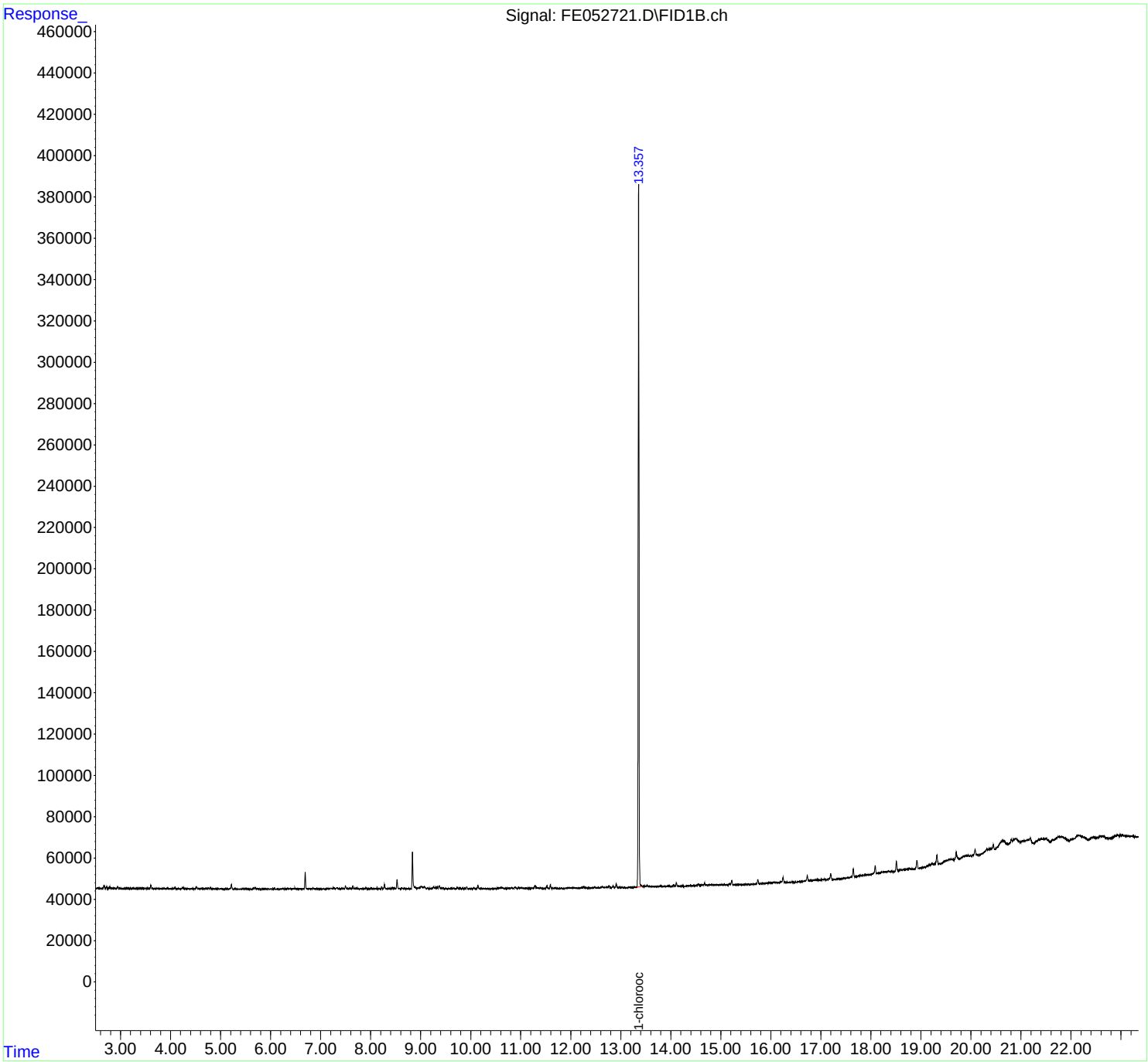
(f)=RT Delta > 1/2 Window (m)=manual int.

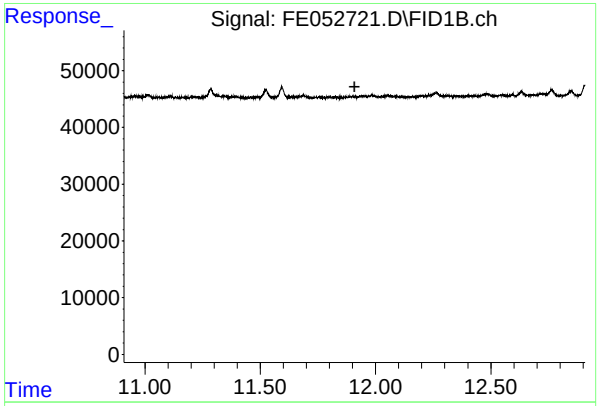
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052721.D
Signal(s) : FID1B.ch
Acq On : 11 Mar 2025 02:34
Operator : YP\AJ
Sample : Q1514-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-105-SB02

Integration File: autoint1.e
Quant Time: Mar 11 05:27:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

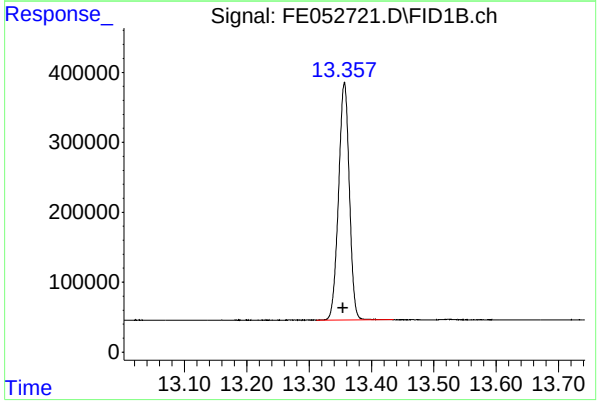




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.909 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
ENV-105-SB02



#12 1-chlorooctadecane (SURR)

R.T.: 13.357 min
Delta R.T.: 0.002 min
Response: 4082642
Conc: 33.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052721.D
Signal(s) : FID1B.ch
Acq On : 11 Mar 2025 02:34
Sample : Q1514-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.883	2.805	2.910	BV	139	1371	0.03%	0.012%
2	2.943	2.910	2.986	VV	1042	10942	0.27%	0.093%
3	3.041	2.986	3.075	PV	125	3347	0.08%	0.028%
4	3.094	3.075	3.108	VV	125	1943	0.05%	0.016%
5	3.116	3.108	3.135	VV	88	1122	0.03%	0.010%
6	3.145	3.135	3.155	VV	112	811	0.02%	0.007%
7	3.159	3.155	3.191	VV	87	1576	0.04%	0.013%
8	3.197	3.191	3.218	VV	149	1468	0.04%	0.012%
9	3.250	3.218	3.288	VV	275	5300	0.13%	0.045%
10	3.296	3.288	3.311	VV	138	1297	0.03%	0.011%
11	3.327	3.311	3.391	VV	186	4689	0.11%	0.040%
12	3.399	3.391	3.418	VV	119	1573	0.04%	0.013%
13	3.470	3.418	3.491	VV	161	5873	0.14%	0.050%
14	3.508	3.491	3.531	VV	175	3099	0.08%	0.026%
15	3.606	3.531	3.635	VV	1861	25994	0.63%	0.221%
16	3.644	3.635	3.681	VV	245	4044	0.10%	0.034%
17	3.711	3.681	3.776	VV	253	8057	0.20%	0.068%
18	3.788	3.776	3.814	VV	140	2512	0.06%	0.021%
19	3.838	3.814	3.878	VV	246	6030	0.15%	0.051%
20	3.938	3.878	3.965	VV	304	7628	0.19%	0.065%
21	3.971	3.965	4.029	VV	153	4248	0.10%	0.036%
22	4.049	4.029	4.063	VV	345	4390	0.11%	0.037%
23	4.086	4.063	4.140	VV	758	13116	0.32%	0.111%
24	4.156	4.140	4.185	VV	185	2786	0.07%	0.024%
25	4.195	4.185	4.202	VV	64	600	0.01%	0.005%
26	4.233	4.202	4.245	PV	563	7680	0.19%	0.065%
27	4.253	4.245	4.380	VV	485	13231	0.32%	0.112%
28	4.392	4.380	4.398	VV	137	980	0.02%	0.008%
29	4.414	4.398	4.493	VV	192	6294	0.15%	0.053%
30	4.525	4.493	4.577	VV	747	17391	0.42%	0.148%
31	4.633	4.577	4.653	VV	256	7230	0.18%	0.061%
32	4.664	4.653	4.680	VV	196	2558	0.06%	0.022%
33	4.699	4.680	4.719	VV	648	8006	0.19%	0.068%
34	4.731	4.719	4.747	VV	252	3215	0.08%	0.027%
35	4.763	4.747	4.779	VV	438	5442	0.13%	0.046%
36	4.797	4.779	4.995	VV	944	24895	0.60%	0.211%

rteres

37	5.014	4.995	5.068	VV	163	5009	0.12%	0.043%
38	5.127	5.068	5.168	VV	208	5530	0.13%	0.047%
39	5.216	5.168	5.255	VV	2225	31142	0.76%	0.264%
40	5.278	5.255	5.377	VV	440	10583	0.26%	0.090%
41	5.384	5.377	5.394	VV	71	427	0.01%	0.004%
42	5.427	5.394	5.441	PV	128	2084	0.05%	0.018%
43	5.459	5.441	5.488	VV	248	3601	0.09%	0.031%
44	5.509	5.488	5.607	VV	160	5410	0.13%	0.046%
45	5.621	5.607	5.633	VV	126	1515	0.04%	0.013%
46	5.654	5.633	5.675	VV	586	8087	0.20%	0.069%
47	5.697	5.675	5.728	VV	704	12274	0.30%	0.104%
48	5.759	5.728	5.791	VV	185	4314	0.10%	0.037%
49	5.847	5.791	5.894	VV	283	6880	0.17%	0.058%
50	5.900	5.894	5.912	VV	94	662	0.02%	0.006%
51	5.923	5.912	5.934	PV	73	648	0.02%	0.006%
52	5.949	5.934	5.965	VV	183	2585	0.06%	0.022%
53	5.970	5.965	5.987	VV	190	1520	0.04%	0.013%
54	6.006	5.987	6.034	VV	182	2946	0.07%	0.025%
55	6.078	6.034	6.115	VV	371	3702	0.09%	0.031%
56	6.143	6.115	6.174	VV	119	2526	0.06%	0.021%
57	6.184	6.174	6.201	VV	97	1306	0.03%	0.011%
58	6.206	6.201	6.210	VV	131	565	0.01%	0.005%
59	6.230	6.210	6.280	VV	398	8073	0.20%	0.069%
60	6.292	6.280	6.311	VV	232	2738	0.07%	0.023%
61	6.336	6.311	6.369	VV	450	8019	0.19%	0.068%
62	6.399	6.369	6.425	VV	331	6154	0.15%	0.052%
63	6.485	6.425	6.507	VV	352	10577	0.26%	0.090%
64	6.518	6.507	6.551	VV	179	4354	0.11%	0.037%
65	6.578	6.551	6.661	VV	301	12134	0.29%	0.103%
66	6.692	6.661	6.751	VV	8190	91846	2.23%	0.780%
67	6.777	6.751	6.793	VV	498	6488	0.16%	0.055%
68	6.815	6.793	6.827	VV	322	4284	0.10%	0.036%
69	6.846	6.827	6.868	VV	738	9354	0.23%	0.079%
70	6.884	6.868	6.905	VV	291	4382	0.11%	0.037%
71	6.920	6.905	7.008	VV	391	10206	0.25%	0.087%
72	7.018	7.008	7.051	VV	128	2472	0.06%	0.021%
73	7.071	7.051	7.085	PV	123	1792	0.04%	0.015%
74	7.100	7.085	7.116	VV	162	2350	0.06%	0.020%
75	7.148	7.116	7.180	VV	467	9191	0.22%	0.078%
76	7.204	7.180	7.241	VV	548	13233	0.32%	0.112%
77	7.254	7.241	7.294	VV	594	12228	0.30%	0.104%
78	7.332	7.294	7.360	VV	816	17994	0.44%	0.153%
79	7.375	7.360	7.391	VV	328	4359	0.11%	0.037%
80	7.417	7.391	7.458	VV	342	11348	0.28%	0.096%
81	7.498	7.458	7.525	VV	1609	24569	0.60%	0.209%
82	7.539	7.525	7.548	VV	292	3511	0.09%	0.030%
83	7.563	7.548	7.578	VV	343	5390	0.13%	0.046%
84	7.608	7.578	7.621	VV	484	9523	0.23%	0.081%
85	7.643	7.621	7.671	VV	1657	23427	0.57%	0.199%
86	7.705	7.671	7.720	VV	371	8917	0.22%	0.076%
87	7.736	7.720	7.787	VV	463	8381	0.20%	0.071%
88	7.817	7.787	7.847	VV	276	7353	0.18%	0.062%
89	7.857	7.847	7.868	VV	264	2664	0.06%	0.023%

rteres

90	7.871	7.868	7.884	VV	246	1968	0.05%	0.017%
91	7.908	7.884	7.940	VV	725	11198	0.27%	0.095%
92	8.010	7.940	8.041	VV	347	13115	0.32%	0.111%
93	8.076	8.041	8.088	VV	364	6486	0.16%	0.055%
94	8.103	8.088	8.115	VV	353	4750	0.12%	0.040%
95	8.133	8.115	8.157	VV	359	6592	0.16%	0.056%
96	8.173	8.157	8.194	VV	386	5220	0.13%	0.044%
97	8.220	8.194	8.255	VV	1048	15086	0.37%	0.128%
98	8.277	8.255	8.303	VV	2339	26969	0.66%	0.229%
99	8.316	8.303	8.329	VV	255	3499	0.09%	0.030%
100	8.376	8.329	8.408	VV	494	12908	0.31%	0.110%
101	8.434	8.408	8.491	VV	941	21289	0.52%	0.181%
102	8.496	8.491	8.505	VV	271	2088	0.05%	0.018%
103	8.529	8.505	8.604	VV	4621	65377	1.59%	0.555%
104	8.626	8.604	8.664	VV	490	11467	0.28%	0.097%
105	8.681	8.664	8.708	VV	373	5868	0.14%	0.050%
106	8.724	8.708	8.742	VV	303	4515	0.11%	0.038%
107	8.764	8.742	8.793	VV	337	5375	0.13%	0.046%
108	8.836	8.793	8.925	VV	17847	232938	5.66%	1.977%
109	8.940	8.925	8.966	VV	485	10887	0.26%	0.092%
110	9.013	8.966	9.056	VV	1303	48394	1.18%	0.411%
111	9.073	9.056	9.131	VV	1041	28689	0.70%	0.244%
112	9.137	9.131	9.178	VV	441	7686	0.19%	0.065%
113	9.191	9.178	9.221	VV	385	7077	0.17%	0.060%
114	9.259	9.221	9.280	VV	1213	22561	0.55%	0.191%
115	9.294	9.280	9.323	VV	800	15955	0.39%	0.135%
116	9.335	9.323	9.344	VV	770	8164	0.20%	0.069%
117	9.372	9.344	9.431	VV	1499	37812	0.92%	0.321%
118	9.448	9.431	9.471	VV	401	6031	0.15%	0.051%
119	9.498	9.471	9.531	VV	273	5209	0.13%	0.044%
120	9.560	9.531	9.584	VV	270	6236	0.15%	0.053%
121	9.601	9.584	9.611	VV	261	3526	0.09%	0.030%
122	9.621	9.611	9.635	VV	247	2587	0.06%	0.022%
123	9.662	9.635	9.707	VV	501	9484	0.23%	0.081%
124	9.731	9.707	9.767	VV	711	12269	0.30%	0.104%
125	9.783	9.767	9.815	VV	410	6535	0.16%	0.055%
126	9.821	9.815	9.847	VV	222	3428	0.08%	0.029%
127	9.868	9.847	9.899	VV	417	7278	0.18%	0.062%
128	9.922	9.899	9.961	VV	1071	13177	0.32%	0.112%
129	9.977	9.961	9.991	PV	219	2121	0.05%	0.018%
130	10.014	9.991	10.038	VV	167	2980	0.07%	0.025%
131	10.062	10.038	10.096	VV	542	8313	0.20%	0.071%
132	10.144	10.096	10.195	VV	1744	26107	0.63%	0.222%
133	10.218	10.195	10.306	VV	216	8363	0.20%	0.071%
134	10.315	10.306	10.333	VV	118	896	0.02%	0.008%
135	10.342	10.333	10.403	VV	93	873	0.02%	0.007%
136	10.423	10.403	10.441	PV	102	1334	0.03%	0.011%
137	10.464	10.441	10.481	VV	224	3223	0.08%	0.027%
138	10.495	10.481	10.504	VV	158	1675	0.04%	0.014%
139	10.539	10.504	10.560	VV	457	8752	0.21%	0.074%
140	10.589	10.560	10.665	VV	711	26147	0.64%	0.222%
141	10.680	10.665	10.730	VV	246	7674	0.19%	0.065%

rteres

142	10.784	10.730	10.796	VV	302	9192	0.22%	0.078%
143	10.825	10.796	10.851	VV	411	10865	0.26%	0.092%
144	10.886	10.851	10.920	VV	937	18896	0.46%	0.160%
145	10.953	10.920	10.991	VV	398	12532	0.30%	0.106%
146	11.014	10.991	11.064	VV	635	13302	0.32%	0.113%
147	11.072	11.064	11.080	VV	206	1587	0.04%	0.013%
148	11.109	11.080	11.148	VV	361	8530	0.21%	0.072%
149	11.170	11.148	11.191	VV	161	3185	0.08%	0.027%
150	11.218	11.191	11.243	VV	228	5857	0.14%	0.050%
151	11.285	11.243	11.328	VV	1587	32418	0.79%	0.275%
152	11.344	11.328	11.366	VV	413	6622	0.16%	0.056%
153	11.393	11.366	11.455	VV	366	8744	0.21%	0.074%
154	11.473	11.455	11.497	VV	188	3552	0.09%	0.030%
155	11.524	11.497	11.558	VV	1527	21631	0.53%	0.184%
156	11.594	11.558	11.623	VV	1977	27318	0.66%	0.232%
157	11.688	11.623	11.731	VV	482	12811	0.31%	0.109%
158	11.752	11.731	11.771	VV	138	2184	0.05%	0.019%
159	11.794	11.771	11.808	PV	125	2003	0.05%	0.017%
160	11.834	11.808	11.858	VV	160	2720	0.07%	0.023%
161	11.946	11.858	11.962	VV	284	11646	0.28%	0.099%
162	11.984	11.962	12.015	VV	444	8111	0.20%	0.069%
163	12.048	12.015	12.131	VV	390	12495	0.30%	0.106%
164	12.168	12.131	12.176	PV	150	2069	0.05%	0.018%
165	12.264	12.176	12.291	VV	818	22377	0.54%	0.190%
166	12.313	12.291	12.335	VV	227	4365	0.11%	0.037%
167	12.358	12.335	12.381	VV	229	3165	0.08%	0.027%
168	12.399	12.381	12.445	VV	198	5209	0.13%	0.044%
169	12.480	12.445	12.523	VV	461	12062	0.29%	0.102%
170	12.551	12.523	12.574	VV	321	6327	0.15%	0.054%
171	12.595	12.574	12.608	VV	339	4400	0.11%	0.037%
172	12.633	12.608	12.664	VV	781	13582	0.33%	0.115%
173	12.680	12.664	12.694	VV	282	4162	0.10%	0.035%
174	12.720	12.694	12.740	VV	447	9386	0.23%	0.080%
175	12.764	12.740	12.798	VV	1086	17987	0.44%	0.153%
176	12.848	12.798	12.877	VV	882	15615	0.38%	0.133%
177	12.908	12.877	12.954	VV	1909	27187	0.66%	0.231%
178	12.980	12.954	13.004	VV	160	3842	0.09%	0.033%
179	13.027	13.004	13.141	VV	263	5586	0.14%	0.047%
180	13.188	13.141	13.221	PV	190	5816	0.14%	0.049%
181	13.235	13.221	13.245	VV	172	1637	0.04%	0.014%
182	13.270	13.245	13.288	VV	230	3622	0.09%	0.031%
183	13.357	13.288	13.454	VV	339805	4115204	100.00%	34.930%
184	13.466	13.454	13.496	VV	538	10689	0.26%	0.091%
185	13.524	13.496	13.568	VV	970	23879	0.58%	0.203%
186	13.589	13.568	13.625	VV	444	10800	0.26%	0.092%
187	13.637	13.625	13.648	VV	282	3246	0.08%	0.028%
188	13.655	13.648	13.673	VV	256	2967	0.07%	0.025%
189	13.691	13.673	13.703	VV	228	3449	0.08%	0.029%
190	13.742	13.703	13.771	VV	281	9163	0.22%	0.078%
191	13.794	13.771	13.839	VV	425	11766	0.29%	0.100%
192	13.865	13.839	13.887	VV	248	5389	0.13%	0.046%
193	13.925	13.887	13.935	VV	288	5630	0.14%	0.048%
194	13.964	13.935	14.001	VV	317	9215	0.22%	0.078%

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195	14.058	14.001	14.083	VV	909	16248	0.39%	0.138%
196	14.111	14.083	14.165	VV	1819	26682	0.65%	0.226%
197	14.171	14.165	14.214	VV	130	1925	0.05%	0.016%
198	14.225	14.214	14.234	VV	82	573	0.01%	0.005%
199	14.252	14.234	14.275	VV	105	1121	0.03%	0.010%
200	14.290	14.275	14.307	PV	43	659	0.02%	0.006%
201	14.350	14.307	14.375	VV	213	6069	0.15%	0.052%
202	14.381	14.375	14.425	VV	162	3929	0.10%	0.033%
203	14.441	14.425	14.461	VV	168	2974	0.07%	0.025%
204	14.478	14.461	14.501	VV	238	4031	0.10%	0.034%
205	14.549	14.501	14.577	VV	1118	20396	0.50%	0.173%
206	14.627	14.577	14.651	VV	380	13813	0.34%	0.117%
207	14.675	14.651	14.721	VV	1237	22996	0.56%	0.195%
208	14.747	14.721	14.765	VV	385	7807	0.19%	0.066%
209	14.828	14.765	14.865	VV	363	18421	0.45%	0.156%
210	14.879	14.865	14.914	VV	381	8365	0.20%	0.071%
211	14.935	14.914	14.945	VV	290	5075	0.12%	0.043%
212	14.997	14.945	15.043	VV	413	16938	0.41%	0.144%
213	15.057	15.043	15.113	VV	323	9457	0.23%	0.080%
214	15.172	15.113	15.192	VV	870	17532	0.43%	0.149%
215	15.218	15.192	15.249	VV	2178	32985	0.80%	0.280%
216	15.262	15.249	15.328	VV	297	5980	0.15%	0.051%
217	15.336	15.328	15.361	VV	102	1213	0.03%	0.010%
218	15.381	15.361	15.431	PV	160	2537	0.06%	0.022%
219	15.523	15.431	15.546	VV	81	3116	0.08%	0.026%
220	15.555	15.546	15.590	VV	88	981	0.02%	0.008%
221	15.640	15.590	15.651	PV	105	2330	0.06%	0.020%
222	15.698	15.651	15.710	VV	212	3634	0.09%	0.031%
223	15.740	15.710	15.774	VV	2135	32784	0.80%	0.278%
224	15.798	15.774	15.812	VV	268	4024	0.10%	0.034%
225	15.825	15.812	15.855	VV	202	3218	0.08%	0.027%
226	16.058	15.855	16.076	VV	429	34993	0.85%	0.297%
227	16.085	16.076	16.094	VV	376	3938	0.10%	0.033%
228	16.110	16.094	16.128	VV	413	6933	0.17%	0.059%
229	16.138	16.128	16.152	VV	361	4226	0.10%	0.036%
230	16.203	16.152	16.217	VV	720	16015	0.39%	0.136%
231	16.242	16.217	16.318	VV	2628	45556	1.11%	0.387%
232	16.425	16.318	16.456	VV	215	7175	0.17%	0.061%
233	16.470	16.456	16.482	PV	110	1030	0.03%	0.009%
234	16.557	16.482	16.568	VV	95	2745	0.07%	0.023%
235	16.632	16.568	16.640	VV	206	4655	0.11%	0.040%
236	16.688	16.640	16.697	VV	374	7388	0.18%	0.063%
237	16.727	16.697	16.768	VV	2863	46424	1.13%	0.394%
238	16.809	16.768	16.818	VV	324	8983	0.22%	0.076%
239	16.894	16.818	16.960	VV	506	29359	0.71%	0.249%
240	16.975	16.960	16.984	VV	354	4428	0.11%	0.038%
241	17.027	16.984	17.054	VV	447	13652	0.33%	0.116%
242	17.071	17.054	17.101	VV	377	7935	0.19%	0.067%
243	17.195	17.101	17.265	VV	2922	57956	1.41%	0.492%
244	17.354	17.265	17.376	VV	243	8922	0.22%	0.076%
245	17.440	17.376	17.469	PV	232	7070	0.17%	0.060%
246	17.566	17.469	17.575	VV	231	10737	0.26%	0.091%

					rteres			
247	17.647	17.575	17.684	VV	4180	68805	1.67%	0.584%
248	17.696	17.684	17.702	VV	217	2391	0.06%	0.020%
249	17.767	17.702	17.781	VV	417	16389	0.40%	0.139%
250	17.897	17.781	17.915	VV	491	29003	0.70%	0.246%
251	17.936	17.915	17.956	VV	345	7788	0.19%	0.066%
252	18.084	17.956	18.121	VV	4093	89453	2.17%	0.759%
253	18.131	18.121	18.139	VV	473	4172	0.10%	0.035%
254	18.229	18.139	18.251	VV	809	37961	0.92%	0.322%
255	18.258	18.251	18.291	VV	857	16376	0.40%	0.139%
256	18.300	18.291	18.314	VV	692	8200	0.20%	0.070%
257	18.357	18.314	18.391	VV	784	26627	0.65%	0.226%
258	18.407	18.391	18.436	VV	431	8211	0.20%	0.070%
259	18.509	18.436	18.546	VV	5038	82170	2.00%	0.697%
260	18.601	18.546	18.621	VV	741	24049	0.58%	0.204%
261	18.651	18.621	18.680	VV	600	17358	0.42%	0.147%
262	18.721	18.680	18.736	VV	582	15478	0.38%	0.131%
263	18.772	18.736	18.811	VV	577	20443	0.50%	0.174%
264	18.817	18.811	18.845	VV	322	4865	0.12%	0.041%
265	18.919	18.845	18.973	VV	4107	72393	1.76%	0.614%
266	19.076	18.973	19.088	PV	278	12844	0.31%	0.109%
267	19.175	19.088	19.185	VV	1111	38631	0.94%	0.328%
268	19.233	19.185	19.262	VV	1345	49898	1.21%	0.424%
269	19.318	19.262	19.388	VV	5046	121453	2.95%	1.031%
270	19.566	19.388	19.584	VV	1873	138468	3.36%	1.175%
271	19.614	19.584	19.664	VV	1766	71964	1.75%	0.611%
272	19.705	19.664	19.777	VV	4621	143678	3.49%	1.220%
273	19.891	19.777	19.913	VV	2070	142848	3.47%	1.213%
274	19.938	19.913	19.969	VV	1881	59527	1.45%	0.505%
275	19.992	19.969	20.018	VV	1736	46105	1.12%	0.391%
276	20.082	20.018	20.164	VV	4315	175621	4.27%	1.491%
277	20.317	20.164	20.335	VV	3317	211812	5.15%	1.798%
278	20.390	20.335	20.413	VV	3283	149351	3.63%	1.268%
279	20.447	20.413	20.481	VV	4914	142934	3.47%	1.213%
280	20.632	20.481	20.740	VV	6051	702376	17.07%	5.962%
281	20.806	20.740	20.828	VV	5583	243730	5.92%	2.069%
282	20.891	20.828	20.983	VV	5787	471561	11.46%	4.003%
283	21.038	20.983	21.051	VV	4017	158003	3.84%	1.341%
284	21.059	21.051	21.073	VV	4044	52267	1.27%	0.444%
285	21.186	21.073	21.249	VV	4745	389273	9.46%	3.304%
286	21.359	21.249	21.381	VV	3350	212547	5.16%	1.804%
287	21.450	21.381	21.468	VV	3212	167942	4.08%	1.426%
288	21.500	21.468	21.593	VV	3080	169936	4.13%	1.442%
289	21.788	21.593	21.959	VV	2860	412837	10.03%	3.504%
			Sum of corrected areas:			11781186		

Aliphatic EPH 030325.M Tue Mar 11 06:28:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015642.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 23:08
Operator : YP\AJ
Sample : Q1514-03
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
ENV-105-SB02

Integration File: autoint1.e
Quant Time: Mar 11 03:27:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.997	5960858	51.204 ug/ml
Spiked Amount 50.000		Recovery = 102.41%	
6) S 2-Flurobiphenyl (SURR)	8.874	3536543	49.648 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 99.30%	
11) S ortho-Terphenyl (SURR)	11.933	3740615	25.428 ug/ml
Spiked Amount 50.000		Recovery = 50.86%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

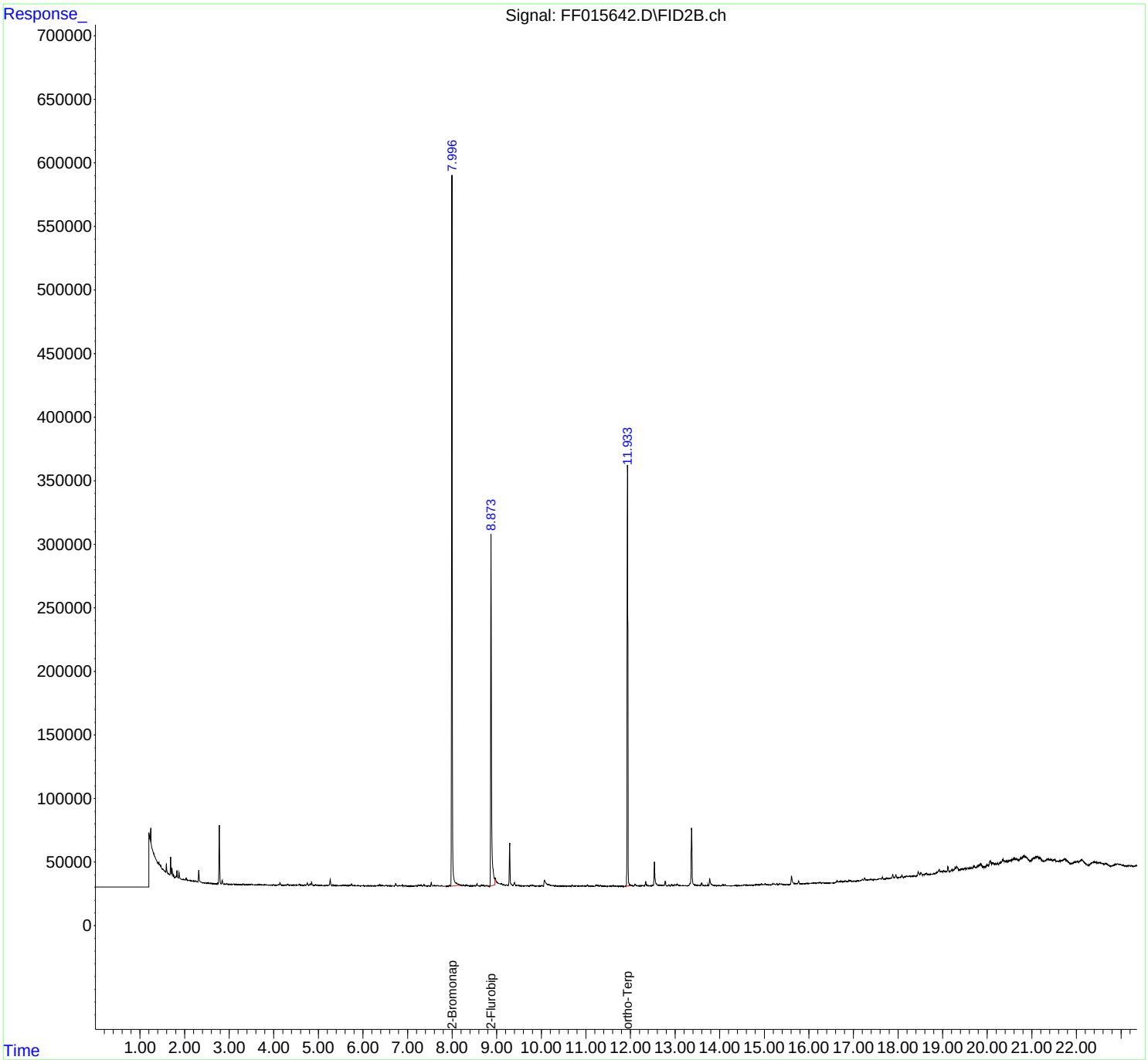
Sample Results: **FF015642.D**

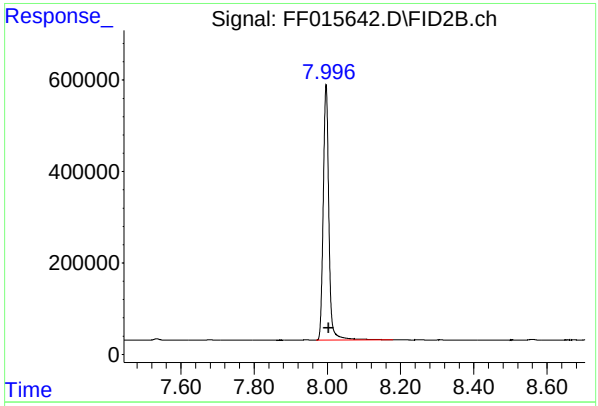
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015642.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 23:08
Operator : YP\AJ
Sample : Q1514-03
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
ENV-105-SB02

Integration File: autoint1.e
Quant Time: Mar 11 03:27:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

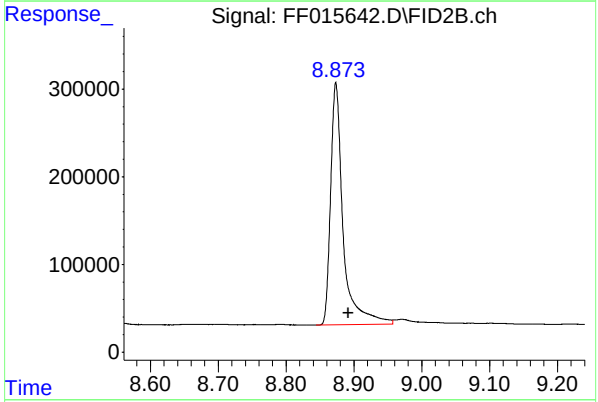




#4 2-Bromonaphthalene (SURR)

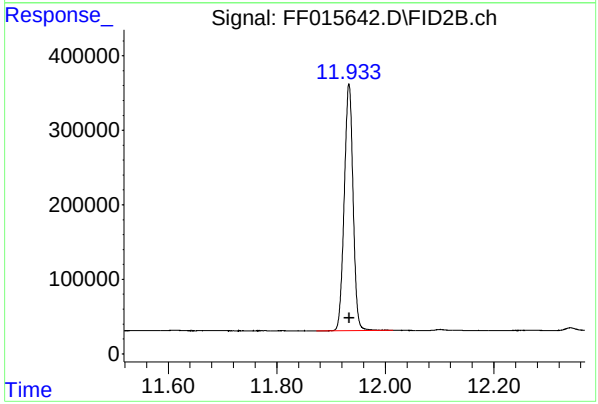
R.T.: 7.997 min
Delta R.T.: -0.007 min
Response: 5960858
Conc: 51.20 ug/ml

Instrument :
FID_F
ClientSampleId :
ENV-105-SB02



#6 2-Flurobiphenyl (SURR)

R.T.: 8.874 min
Delta R.T.: -0.018 min
Response: 3536543
Conc: 49.65 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.933 min
Delta R.T.: 0.000 min
Response: 3740615
Conc: 25.43 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015642.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 23:08
Sample : Q1514-03
Misc :
ALS Vial : 84 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.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	4.450	4.432	4.479	PV	134	1092	0.02%	0.006%
2	4.517	4.497	4.523	VV	141	1318	0.02%	0.007%
3	4.569	4.540	4.631	PV	1089	18542	0.31%	0.097%
4	4.637	4.631	4.666	VV	144	1484	0.02%	0.008%
5	4.693	4.666	4.719	PV	472	6261	0.10%	0.033%
6	4.753	4.719	4.786	VV	2000	30937	0.51%	0.162%
7	4.790	4.786	4.801	VV	299	2311	0.04%	0.012%
8	4.817	4.801	4.832	VV	1356	14879	0.25%	0.078%
9	4.850	4.832	4.892	VV	2677	31516	0.52%	0.165%
10	4.937	4.921	4.966	VV	617	9792	0.16%	0.051%
11	4.978	4.966	5.021	VV	358	6475	0.11%	0.034%
12	5.060	5.029	5.104	VV	472	7822	0.13%	0.041%
13	5.115	5.104	5.142	VV	105	1224	0.02%	0.006%
14	5.177	5.142	5.191	VV	315	3721	0.06%	0.019%
15	5.266	5.206	5.305	VV	4903	72198	1.19%	0.378%
16	5.329	5.305	5.362	VV	936	12985	0.21%	0.068%
17	5.368	5.362	5.413	VV	135	2097	0.03%	0.011%
18	5.446	5.437	5.461	PV	118	1129	0.02%	0.006%
19	5.475	5.461	5.515	VV	229	4044	0.07%	0.021%
20	5.543	5.515	5.572	VV	528	13032	0.22%	0.068%
21	5.585	5.572	5.593	VV	437	4761	0.08%	0.025%
22	5.598	5.593	5.643	VV	391	7974	0.13%	0.042%
23	5.647	5.643	5.654	VV	208	1206	0.02%	0.006%
24	5.666	5.654	5.685	VV	283	4252	0.07%	0.022%
25	5.705	5.685	5.727	VV	611	9614	0.16%	0.050%
26	5.747	5.727	5.785	VV	1639	21221	0.35%	0.111%
27	5.805	5.794	5.887	VV	467	11293	0.19%	0.059%
28	5.890	5.887	5.946	VV	248	4496	0.07%	0.024%
29	5.973	5.946	5.990	VV	204	3647	0.06%	0.019%
30	6.013	6.000	6.043	VV	335	4958	0.08%	0.026%
31	6.065	6.043	6.074	VV	178	2568	0.04%	0.013%
32	6.080	6.074	6.104	VV	204	2378	0.04%	0.012%
33	6.109	6.104	6.145	VV	142	2734	0.05%	0.014%
34	6.174	6.159	6.195	VV	142	2100	0.03%	0.011%
35	6.235	6.220	6.247	VV	133	1829	0.03%	0.010%
36	6.254	6.247	6.266	VV	188	1737	0.03%	0.009%

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37	6.288	6.266	6.294	VV	316	3532	0.06%	0.018%
38	6.298	6.294	6.306	VV	214	1440	0.02%	0.008%
39	6.338	6.306	6.359	VV	676	13313	0.22%	0.070%
40	6.380	6.359	6.427	VV	1221	23486	0.39%	0.123%
41	6.445	6.427	6.474	VV	669	11494	0.19%	0.060%
42	6.480	6.474	6.483	VV	267	1141	0.02%	0.006%
43	6.515	6.483	6.548	VV	651	15488	0.26%	0.081%
44	6.557	6.548	6.567	VV	218	1979	0.03%	0.010%
45	6.569	6.567	6.592	VV	184	1924	0.03%	0.010%
46	6.617	6.592	6.661	VV	268	8472	0.14%	0.044%
47	6.674	6.669	6.692	VV	174	1983	0.03%	0.010%
48	6.697	6.692	6.714	VV	186	1578	0.03%	0.008%
49	6.735	6.714	6.796	VV	2095	34373	0.57%	0.180%
50	6.818	6.796	6.837	VV	736	9751	0.16%	0.051%
51	6.857	6.837	6.866	VV	553	5504	0.09%	0.029%
52	6.886	6.866	6.906	VV	1323	16669	0.28%	0.087%
53	6.920	6.906	6.941	VV	437	5733	0.09%	0.030%
54	6.961	6.941	6.984	VV	750	9760	0.16%	0.051%
55	6.999	6.992	7.034	VV	175	2775	0.05%	0.015%
56	7.069	7.049	7.091	VV	306	2449	0.04%	0.013%
57	7.108	7.099	7.143	VV	159	2624	0.04%	0.014%
58	7.187	7.167	7.213	VV	807	9881	0.16%	0.052%
59	7.240	7.213	7.259	VV	863	13591	0.22%	0.071%
60	7.263	7.259	7.274	VV	581	4764	0.08%	0.025%
61	7.290	7.274	7.301	VV	948	11827	0.20%	0.062%
62	7.310	7.301	7.340	VV	780	11862	0.20%	0.062%
63	7.370	7.340	7.407	VV	1555	25880	0.43%	0.135%
64	7.413	7.407	7.442	VV	280	4356	0.07%	0.023%
65	7.478	7.442	7.509	VV	474	11687	0.19%	0.061%
66	7.534	7.509	7.569	VV	3193	39403	0.65%	0.206%
67	7.597	7.569	7.607	VV	583	9335	0.15%	0.049%
68	7.610	7.607	7.632	VV	492	5994	0.10%	0.031%
69	7.642	7.632	7.657	VV	559	6880	0.11%	0.036%
70	7.679	7.657	7.703	VV	855	14602	0.24%	0.076%
71	7.740	7.703	7.755	VV	438	9373	0.15%	0.049%
72	7.770	7.755	7.790	VV	647	8246	0.14%	0.043%
73	7.814	7.798	7.821	VV	150	1334	0.02%	0.007%
74	7.839	7.821	7.875	VV	154	2615	0.04%	0.014%
75	7.941	7.875	7.968	PV	1066	18844	0.31%	0.099%
76	7.997	7.968	8.199	VV	558988	6047079	100.00%	31.632%
77	8.206	8.199	8.235	VV	987	18056	0.30%	0.094%
78	8.252	8.235	8.283	VV	1209	22858	0.38%	0.120%
79	8.288	8.283	8.290	VV	571	2207	0.04%	0.012%
80	8.310	8.290	8.335	VV	946	18102	0.30%	0.095%
81	8.348	8.335	8.392	VV	664	18020	0.30%	0.094%
82	8.395	8.392	8.406	VV	391	2965	0.05%	0.016%
83	8.423	8.406	8.429	VV	423	5400	0.09%	0.028%
84	8.434	8.429	8.457	VV	439	6369	0.11%	0.033%
85	8.468	8.457	8.483	VV	558	7241	0.12%	0.038%
86	8.505	8.483	8.538	VV	776	16790	0.28%	0.088%
87	8.560	8.538	8.632	VV	2081	38173	0.63%	0.200%
88	8.655	8.632	8.663	VV	770	10261	0.17%	0.054%
89	8.671	8.663	8.692	VV	819	12431	0.21%	0.065%

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90	8.704	8.692	8.739	VV	758	14196	0.23%	0.074%
91	8.753	8.739	8.774	VV	560	9042	0.15%	0.047%
92	8.794	8.774	8.830	VV	715	11563	0.19%	0.060%
93	8.874	8.846	8.957	VV	275489	3578289	59.17%	18.718%
94	8.971	8.957	9.012	VV	6528	155174	2.57%	0.812%
95	9.017	9.012	9.044	VV	2958	49478	0.82%	0.259%
96	9.047	9.044	9.064	VV	2251	25964	0.43%	0.136%
97	9.075	9.064	9.086	VV	2099	25804	0.43%	0.135%
98	9.102	9.086	9.147	VV	2064	61991	1.03%	0.324%
99	9.167	9.147	9.185	VV	1237	24597	0.41%	0.129%
100	9.191	9.185	9.202	VV	872	8435	0.14%	0.044%
101	9.219	9.202	9.251	VV	1218	26933	0.45%	0.141%
102	9.292	9.251	9.365	VV	34178	419561	6.94%	2.195%
103	9.399	9.365	9.453	VV	2911	72611	1.20%	0.380%
104	9.473	9.453	9.506	VV	1119	23562	0.39%	0.123%
105	9.523	9.506	9.557	VV	599	14815	0.24%	0.077%
106	9.574	9.557	9.596	VV	549	10581	0.17%	0.055%
107	9.612	9.596	9.622	VV	453	6725	0.11%	0.035%
108	9.631	9.622	9.657	VV	548	8156	0.13%	0.043%
109	9.671	9.657	9.679	VV	514	5809	0.10%	0.030%
110	9.683	9.679	9.706	VV	567	7470	0.12%	0.039%
111	9.710	9.706	9.717	VV	267	1663	0.03%	0.009%
112	9.751	9.717	9.775	VV	829	15546	0.26%	0.081%
113	9.792	9.775	9.838	VV	1024	25465	0.42%	0.133%
114	9.851	9.838	9.879	VV	507	8834	0.15%	0.046%
115	9.899	9.879	9.922	VV	569	10160	0.17%	0.053%
116	9.935	9.922	9.939	VV	433	3770	0.06%	0.020%
117	9.951	9.939	9.976	VV	517	8448	0.14%	0.044%
118	10.009	9.976	10.040	VV	627	15191	0.25%	0.079%
119	10.044	10.040	10.049	VV	209	1037	0.02%	0.005%
120	10.072	10.049	10.152	VV	5048	159834	2.64%	0.836%
121	10.168	10.152	10.224	VV	1733	45936	0.76%	0.240%
122	10.234	10.224	10.266	VV	753	16896	0.28%	0.088%
123	10.274	10.266	10.309	VV	628	12938	0.21%	0.068%
124	10.311	10.309	10.330	VV	499	4653	0.08%	0.024%
125	10.339	10.330	10.356	VV	451	4992	0.08%	0.026%
126	10.400	10.356	10.427	VV	357	9976	0.16%	0.052%
127	10.449	10.427	10.462	VV	281	4333	0.07%	0.023%
128	10.491	10.462	10.527	VV	396	9793	0.16%	0.051%
129	10.562	10.527	10.580	VV	347	6383	0.11%	0.033%
130	10.594	10.580	10.612	VV	366	4776	0.08%	0.025%
131	10.631	10.612	10.641	VV	380	4764	0.08%	0.025%
132	10.645	10.641	10.669	VV	303	3681	0.06%	0.019%
133	10.691	10.669	10.712	VV	877	12733	0.21%	0.067%
134	10.721	10.712	10.751	VV	319	6337	0.10%	0.033%
135	10.791	10.751	10.796	VV	553	11837	0.20%	0.062%
136	10.799	10.796	10.824	VV	532	6423	0.11%	0.034%
137	10.846	10.824	10.869	VV	455	8879	0.15%	0.046%
138	10.885	10.869	10.896	VV	408	5032	0.08%	0.026%
139	10.911	10.896	10.942	VV	503	9743	0.16%	0.051%
140	10.964	10.942	10.976	VV	409	5291	0.09%	0.028%
141	10.989	10.976	11.004	VV	266	3994	0.07%	0.021%

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142	11.035	11.004	11.074	VV	1172	21884	0.36%	0.114%
143	11.081	11.074	11.091	VV	194	1689	0.03%	0.009%
144	11.106	11.091	11.119	VV	348	4186	0.07%	0.022%
145	11.130	11.119	11.176	VV	295	6156	0.10%	0.032%
146	11.185	11.176	11.206	VV	160	2179	0.04%	0.011%
147	11.229	11.206	11.263	VV	818	20713	0.34%	0.108%
148	11.276	11.263	11.296	VV	627	10931	0.18%	0.057%
149	11.298	11.296	11.317	VV	479	5289	0.09%	0.028%
150	11.333	11.317	11.382	VV	659	15714	0.26%	0.082%
151	11.389	11.382	11.409	VV	332	3831	0.06%	0.020%
152	11.417	11.409	11.426	VV	291	2157	0.04%	0.011%
153	11.428	11.426	11.446	VV	229	2124	0.04%	0.011%
154	11.451	11.446	11.468	VV	133	1380	0.02%	0.007%
155	11.497	11.479	11.506	VV	147	1616	0.03%	0.008%
156	11.547	11.506	11.569	VV	431	8776	0.15%	0.046%
157	11.583	11.569	11.593	VV	353	4231	0.07%	0.022%
158	11.611	11.593	11.650	VV	872	14147	0.23%	0.074%
159	11.672	11.650	11.676	VV	234	2726	0.05%	0.014%
160	11.692	11.676	11.751	VV	378	7534	0.12%	0.039%
161	11.772	11.751	11.794	VV	185	2560	0.04%	0.013%
162	11.810	11.794	11.826	VV	168	1813	0.03%	0.009%
163	11.839	11.826	11.881	VV	146	1064	0.02%	0.006%
164	11.933	11.881	11.996	PV	331936	3761941	62.21%	19.679%
165	12.000	11.996	12.031	VV	1025	17085	0.28%	0.089%
166	12.035	12.031	12.060	VV	642	8908	0.15%	0.047%
167	12.101	12.060	12.161	VV	1792	45923	0.76%	0.240%
168	12.172	12.161	12.196	VV	488	8275	0.14%	0.043%
169	12.203	12.196	12.215	VV	406	4135	0.07%	0.022%
170	12.242	12.215	12.257	VV	596	11552	0.19%	0.060%
171	12.274	12.257	12.304	VV	703	14014	0.23%	0.073%
172	12.341	12.304	12.374	VV	3989	64793	1.07%	0.339%
173	12.379	12.374	12.407	VV	640	11058	0.18%	0.058%
174	12.410	12.407	12.427	VV	545	5191	0.09%	0.027%
175	12.433	12.427	12.462	VV	405	6494	0.11%	0.034%
176	12.499	12.462	12.513	VV	977	19401	0.32%	0.101%
177	12.534	12.513	12.629	VV	19108	309155	5.11%	1.617%
178	12.634	12.629	12.653	VV	928	12713	0.21%	0.067%
179	12.659	12.653	12.676	VV	902	11564	0.19%	0.060%
180	12.681	12.676	12.709	VV	814	13922	0.23%	0.073%
181	12.715	12.709	12.736	VV	681	9784	0.16%	0.051%
182	12.781	12.736	12.821	VV	3834	66726	1.10%	0.349%
183	12.860	12.821	12.898	VV	1151	24430	0.40%	0.128%
184	12.922	12.898	12.967	VV	1482	28954	0.48%	0.151%
185	12.988	12.967	13.020	VV	1185	26063	0.43%	0.136%
186	13.042	13.020	13.132	VV	1466	48784	0.81%	0.255%
187	13.135	13.132	13.142	VV	310	1748	0.03%	0.009%
188	13.169	13.142	13.196	VV	361	9068	0.15%	0.047%
189	13.207	13.196	13.230	VV	317	5602	0.09%	0.029%
190	13.246	13.230	13.267	VV	338	5986	0.10%	0.031%
191	13.329	13.267	13.339	VV	2038	33685	0.56%	0.176%
192	13.368	13.339	13.487	VV	45798	672667	11.12%	3.519%
193	13.501	13.487	13.507	VV	499	5674	0.09%	0.030%
194	13.528	13.507	13.571	VV	602	17798	0.29%	0.093%

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195	13.594	13.571	13.629	VV	2538	41581	0.69%	0.218%
196	13.643	13.629	13.666	VV	442	7799	0.13%	0.041%
197	13.671	13.666	13.701	VV	346	4843	0.08%	0.025%
198	13.733	13.701	13.752	VV	770	8364	0.14%	0.044%
199	13.774	13.752	13.855	VV	5730	116916	1.93%	0.612%
200	13.866	13.855	13.892	VV	421	7266	0.12%	0.038%
201	13.910	13.892	13.930	VV	384	6396	0.11%	0.033%
202	13.938	13.930	13.942	VV	299	1939	0.03%	0.010%
203	13.947	13.942	13.954	VV	366	1926	0.03%	0.010%
204	13.984	13.954	14.017	VV	416	9368	0.15%	0.049%
205	14.032	14.017	14.039	VV	192	1625	0.03%	0.008%
206	14.072	14.039	14.097	VV	978	17732	0.29%	0.093%
207	14.121	14.097	14.161	VV	924	15312	0.25%	0.080%
208	14.175	14.168	14.207	VV	128	1759	0.03%	0.009%
209	14.229	14.223	14.277	VV	100	1013	0.02%	0.005%
210	14.328	14.304	14.336	VV	129	1186	0.02%	0.006%
211	14.353	14.345	14.412	VV	157	3744	0.06%	0.020%
212	14.421	14.412	14.441	VV	104	1215	0.02%	0.006%
213	14.452	14.441	14.462	VV	129	1389	0.02%	0.007%
214	14.565	14.477	14.625	VV	673	27832	0.46%	0.146%
215	14.632	14.625	14.637	VV	302	1829	0.03%	0.010%
216	14.645	14.637	14.664	VV	308	4157	0.07%	0.022%
217	14.687	14.664	14.715	VV	351	7568	0.13%	0.040%
218	14.737	14.715	14.743	VV	333	4356	0.07%	0.023%
219	14.748	14.743	14.754	VV	294	1674	0.03%	0.009%
220	14.790	14.754	14.799	VV	424	8413	0.14%	0.044%
221	14.834	14.799	14.876	VV	535	18486	0.31%	0.097%
222	14.895	14.876	14.907	VV	398	6286	0.10%	0.033%
223	14.936	14.907	14.974	VV	1262	25553	0.42%	0.134%
224	15.013	14.974	15.061	VV	1305	32862	0.54%	0.172%
225	15.069	15.061	15.082	VV	399	4020	0.07%	0.021%
226	15.090	15.082	15.128	VV	302	4809	0.08%	0.025%
227	15.149	15.128	15.155	VV	163	2330	0.04%	0.012%
228	15.190	15.155	15.204	VV	898	16033	0.27%	0.084%
229	15.226	15.204	15.258	VV	1008	19504	0.32%	0.102%
230	15.279	15.258	15.321	VV	1072	18034	0.30%	0.094%
231	15.342	15.321	15.373	VV	1241	20913	0.35%	0.109%
232	15.394	15.373	15.449	VV	767	15355	0.25%	0.080%
233	15.457	15.449	15.466	VV	155	1024	0.02%	0.005%
234	15.472	15.466	15.487	VV	127	1140	0.02%	0.006%
235	15.536	15.522	15.547	PV	195	1583	0.03%	0.008%
236	15.610	15.547	15.691	VV	6618	144022	2.38%	0.753%
237	15.711	15.691	15.737	VV	945	20839	0.34%	0.109%
238	15.768	15.737	15.798	VV	2718	46736	0.77%	0.244%
239	15.806	15.798	15.844	VV	420	9369	0.15%	0.049%
240	15.884	15.844	15.899	VV	430	10170	0.17%	0.053%
241	15.920	15.899	15.924	VV	402	5328	0.09%	0.028%
242	15.929	15.924	15.939	VV	473	3583	0.06%	0.019%
243	15.972	15.939	15.999	VV	565	16155	0.27%	0.085%
244	16.018	15.999	16.023	VV	505	6156	0.10%	0.032%
245	16.046	16.023	16.052	VV	578	9012	0.15%	0.047%
246	16.088	16.052	16.094	VV	559	12331	0.20%	0.065%

rteres

247	16.138	16.094	16.162	VV	657	21163	0.35%	0.111%
248	16.172	16.162	16.177	VV	527	4077	0.07%	0.021%
249	16.183	16.177	16.192	VV	554	4666	0.08%	0.024%
250	16.210	16.192	16.229	VV	805	13685	0.23%	0.072%
251	16.248	16.229	16.286	VV	1036	21254	0.35%	0.111%
252	16.316	16.286	16.372	VV	630	17875	0.30%	0.094%
253	16.379	16.372	16.409	VV	232	3102	0.05%	0.016%
254	16.430	16.409	16.436	VV	201	2093	0.03%	0.011%
255	16.488	16.459	16.492	VV	101	1202	0.02%	0.006%
256	16.538	16.517	16.543	PV	136	1179	0.02%	0.006%
257	16.552	16.543	16.562	PV	164	1111	0.02%	0.006%
258	16.630	16.562	16.669	VV	1466	37141	0.61%	0.194%
259	16.682	16.669	16.699	VV	805	12456	0.21%	0.065%
260	16.729	16.699	16.756	VV	967	25534	0.42%	0.134%
261	16.774	16.756	16.786	VV	508	8271	0.14%	0.043%
262	16.791	16.786	16.796	VV	473	2535	0.04%	0.013%
263	16.819	16.796	16.839	VV	958	18080	0.30%	0.095%
264	16.845	16.839	16.861	VV	515	5675	0.09%	0.030%
265	16.867	16.861	16.869	VV	365	1549	0.03%	0.008%
266	16.899	16.869	16.912	VV	1026	19089	0.32%	0.100%
267	16.919	16.912	16.973	VV	878	19503	0.32%	0.102%
268	16.982	16.973	16.999	VV	272	3381	0.06%	0.018%
269	17.005	16.999	17.019	VV	265	1798	0.03%	0.009%
270	17.033	17.019	17.039	VV	155	1036	0.02%	0.005%
271	17.055	17.039	17.059	VV	143	1140	0.02%	0.006%
272	17.065	17.059	17.072	VV	175	1094	0.02%	0.006%
273	17.088	17.072	17.104	VV	289	4061	0.07%	0.021%
274	17.118	17.104	17.146	VV	159	1805	0.03%	0.009%
275	17.169	17.146	17.176	PV	562	6661	0.11%	0.035%
276	17.198	17.176	17.227	VV	1341	23840	0.39%	0.125%
277	17.249	17.227	17.271	VV	2287	34482	0.57%	0.180%
278	17.285	17.271	17.315	VV	688	15064	0.25%	0.079%
279	17.348	17.315	17.363	VV	597	13630	0.23%	0.071%
280	17.384	17.363	17.389	VV	720	8698	0.14%	0.046%
281	17.394	17.389	17.404	VV	603	4831	0.08%	0.025%
282	17.413	17.404	17.429	VV	468	5617	0.09%	0.029%
283	17.434	17.429	17.446	VV	375	2702	0.04%	0.014%
284	17.476	17.446	17.511	VV	332	8162	0.13%	0.043%
285	17.538	17.511	17.544	PV	198	2653	0.04%	0.014%
286	17.586	17.544	17.602	VV	752	17160	0.28%	0.090%
287	17.607	17.602	17.627	VV	593	5897	0.10%	0.031%
288	17.650	17.627	17.675	VV	1481	20842	0.34%	0.109%
289	17.688	17.675	17.714	PV	295	3679	0.06%	0.019%
290	17.750	17.714	17.777	VV	675	15971	0.26%	0.084%
291	17.782	17.777	17.801	VV	333	3639	0.06%	0.019%
292	17.824	17.801	17.836	VV	595	7512	0.12%	0.039%
293	17.880	17.836	17.915	VV	3165	60032	0.99%	0.314%
294	17.949	17.915	17.974	VV	2812	48114	0.80%	0.252%
295	17.981	17.974	17.991	VV	416	2770	0.05%	0.014%
296	18.021	17.991	18.031	VV	474	7408	0.12%	0.039%
297	18.053	18.031	18.057	VV	487	6651	0.11%	0.035%
298	18.086	18.057	18.119	VV	2195	35901	0.59%	0.188%
299	18.141	18.119	18.149	VV	716	7052	0.12%	0.037%

rteres

300	18.188	18.149	18.211	VV	1183	29078	0.48%	0.152%
301	18.213	18.211	18.219	VV	651	2965	0.05%	0.016%
302	18.229	18.219	18.235	VV	747	6523	0.11%	0.034%
303	18.264	18.235	18.273	VV	1007	18460	0.31%	0.097%
304	18.277	18.273	18.287	VV	730	5434	0.09%	0.028%
305	18.299	18.287	18.313	VV	731	9869	0.16%	0.052%
306	18.318	18.313	18.330	VV	623	5262	0.09%	0.028%
307	18.361	18.330	18.398	VV	877	21034	0.35%	0.110%
308	18.417	18.398	18.422	PV	520	4934	0.08%	0.026%
309	18.451	18.422	18.482	VV	3604	74113	1.23%	0.388%
310	18.509	18.482	18.543	VV	2888	67657	1.12%	0.354%
311	18.549	18.543	18.555	VV	904	4928	0.08%	0.026%
312	18.569	18.555	18.582	VV	1014	13885	0.23%	0.073%
313	18.598	18.582	18.618	VV	1338	22054	0.36%	0.115%
314	18.637	18.618	18.651	VV	1386	22304	0.37%	0.117%
315	18.656	18.651	18.669	VV	1041	7977	0.13%	0.042%
316	18.682	18.669	18.697	VV	607	7467	0.12%	0.039%
317	18.706	18.697	18.714	VV	460	3542	0.06%	0.019%
318	18.721	18.714	18.726	VV	473	1846	0.03%	0.010%
319	18.751	18.726	18.766	PV	355	5438	0.09%	0.028%
320	18.780	18.766	18.789	PV	230	1397	0.02%	0.007%

Sum of corrected areas: 19116935

Aromatic EPH 022625.M Tue Mar 11 04:37:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052722.D
Signal(s) : FID1B.ch
Acq On : 11 Mar 2025 03:04
Operator : YP\AJ
Sample : Q1514-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-103-SB01

Integration File: autoint1.e
Quant Time: Mar 11 05:27:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.356	3522443	29.009 ug/ml
Spiked Amount 50.000		Recovery = 58.02%	
Target Compounds			

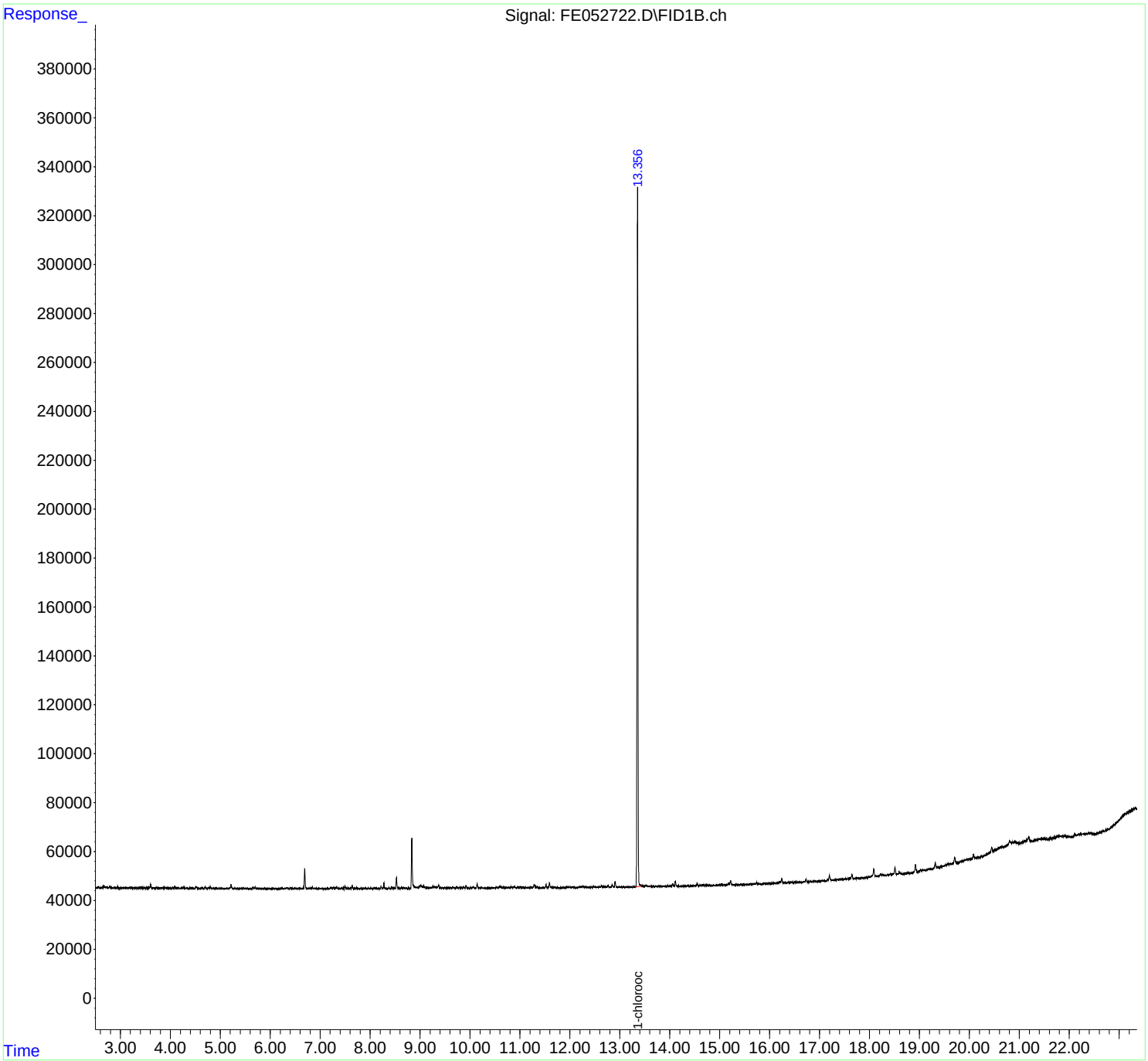
(f)=RT Delta > 1/2 Window (m)=manual int.

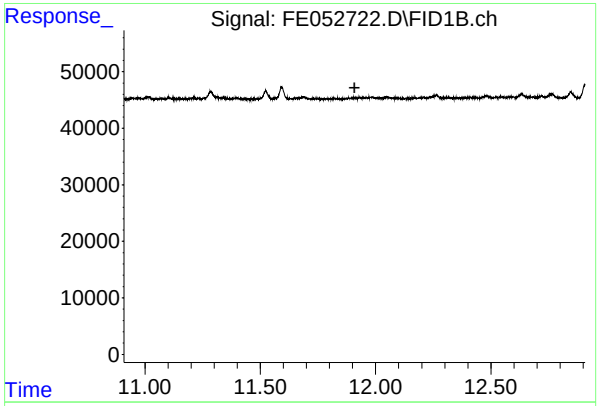
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052722.D
Signal(s) : FID1B.ch
Acq On : 11 Mar 2025 03:04
Operator : YP\AJ
Sample : Q1514-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-103-SB01

Integration File: autoint1.e
Quant Time: Mar 11 05:27:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

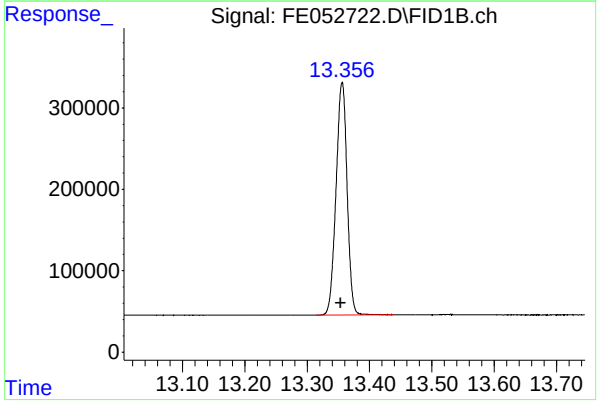




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.909 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
ENV-103-SB01



#12 1-chlorooctadecane (SURR)

R.T.: 13.356 min
Delta R.T.: 0.002 min
Response: 3522443
Conc: 29.01 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052722.D
Signal(s) : FID1B.ch
Acq On : 11 Mar 2025 03:04
Sample : Q1514-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.844	2.804	2.871	BV	100	1179	0.03%	0.014%
2	2.884	2.871	2.895	VV	121	1040	0.03%	0.012%
3	2.901	2.895	2.918	VV	102	684	0.02%	0.008%
4	2.943	2.918	3.008	PV	518	6532	0.18%	0.076%
5	3.031	3.008	3.057	VV	115	1841	0.05%	0.021%
6	3.070	3.057	3.084	VV	111	1153	0.03%	0.013%
7	3.096	3.084	3.194	VV	114	3389	0.10%	0.039%
8	3.249	3.194	3.283	VV	201	4603	0.13%	0.053%
9	3.297	3.283	3.328	PV	99	1715	0.05%	0.020%
10	3.369	3.328	3.377	VV	101	2209	0.06%	0.026%
11	3.387	3.377	3.411	VV	149	1709	0.05%	0.020%
12	3.426	3.411	3.438	VV	133	1637	0.05%	0.019%
13	3.451	3.438	3.488	VV	168	2961	0.08%	0.034%
14	3.496	3.488	3.525	VV	143	2201	0.06%	0.026%
15	3.535	3.525	3.570	VV	130	3022	0.09%	0.035%
16	3.606	3.570	3.631	VV	1616	20095	0.57%	0.233%
17	3.641	3.631	3.678	VV	185	3237	0.09%	0.038%
18	3.713	3.678	3.741	VV	150	3788	0.11%	0.044%
19	3.745	3.741	3.780	VV	121	1882	0.05%	0.022%
20	3.789	3.780	3.821	VV	136	2258	0.06%	0.026%
21	3.837	3.821	3.851	VV	129	1647	0.05%	0.019%
22	3.875	3.851	3.888	VV	122	1849	0.05%	0.021%
23	3.893	3.888	3.911	VV	64	940	0.03%	0.011%
24	3.949	3.911	4.018	VV	145	4571	0.13%	0.053%
25	4.049	4.018	4.064	VV	284	3615	0.10%	0.042%
26	4.087	4.064	4.152	VV	594	10805	0.30%	0.125%
27	4.162	4.152	4.205	VV	128	2564	0.07%	0.030%
28	4.253	4.205	4.361	VV	355	13912	0.39%	0.162%
29	4.420	4.361	4.442	VV	183	4857	0.14%	0.056%
30	4.451	4.442	4.483	VV	133	2323	0.07%	0.027%
31	4.515	4.483	4.611	VV	644	16995	0.48%	0.197%
32	4.637	4.611	4.678	VV	237	4912	0.14%	0.057%
33	4.701	4.678	4.747	VV	521	9702	0.27%	0.113%
34	4.764	4.747	4.781	VV	423	4918	0.14%	0.057%
35	4.797	4.781	4.838	VV	804	9811	0.28%	0.114%
36	4.845	4.838	4.859	VV	160	1460	0.04%	0.017%

rteres

37	4.878	4.859	4.909	VV	191	3969	0.11%	0.046%
38	4.916	4.909	4.976	VV	167	4503	0.13%	0.052%
39	5.011	4.976	5.041	VV	166	4292	0.12%	0.050%
40	5.047	5.041	5.103	VV	107	2510	0.07%	0.029%
41	5.128	5.103	5.168	VV	147	2953	0.08%	0.034%
42	5.215	5.168	5.254	VV	1713	24373	0.69%	0.283%
43	5.276	5.254	5.319	VV	335	5554	0.16%	0.065%
44	5.337	5.319	5.377	VV	134	2361	0.07%	0.027%
45	5.388	5.377	5.440	PV	70	2733	0.08%	0.032%
46	5.461	5.440	5.485	VV	264	4131	0.12%	0.048%
47	5.494	5.485	5.501	VV	77	730	0.02%	0.008%
48	5.513	5.501	5.539	VV	130	2417	0.07%	0.028%
49	5.548	5.539	5.569	VV	92	1102	0.03%	0.013%
50	5.601	5.569	5.631	PV	161	3386	0.10%	0.039%
51	5.653	5.631	5.670	VV	484	6479	0.18%	0.075%
52	5.697	5.670	5.721	VV	578	10437	0.29%	0.121%
53	5.731	5.721	5.740	VV	138	782	0.02%	0.009%
54	5.760	5.740	5.804	VV	181	3141	0.09%	0.036%
55	5.846	5.804	5.933	VV	187	7304	0.21%	0.085%
56	5.948	5.933	5.987	VV	173	3490	0.10%	0.041%
57	6.002	5.987	6.041	VV	186	3419	0.10%	0.040%
58	6.046	6.041	6.061	VV	129	850	0.02%	0.010%
59	6.070	6.061	6.119	VV	105	1925	0.05%	0.022%
60	6.133	6.119	6.161	PV	121	1760	0.05%	0.020%
61	6.172	6.161	6.184	VV	96	957	0.03%	0.011%
62	6.192	6.184	6.208	VV	87	1018	0.03%	0.012%
63	6.229	6.208	6.268	VV	313	6909	0.19%	0.080%
64	6.289	6.268	6.318	VV	269	4567	0.13%	0.053%
65	6.335	6.318	6.371	VV	529	7702	0.22%	0.089%
66	6.401	6.371	6.433	VV	413	7083	0.20%	0.082%
67	6.477	6.433	6.509	VV	268	7701	0.22%	0.089%
68	6.519	6.509	6.554	VV	205	3926	0.11%	0.046%
69	6.577	6.554	6.629	VV	245	7161	0.20%	0.083%
70	6.641	6.629	6.658	VV	199	2308	0.06%	0.027%
71	6.691	6.658	6.754	VV	8417	95293	2.68%	1.107%
72	6.776	6.754	6.801	VV	356	6077	0.17%	0.071%
73	6.812	6.801	6.828	VV	278	3287	0.09%	0.038%
74	6.846	6.828	6.866	VV	609	7739	0.22%	0.090%
75	6.879	6.866	6.902	VV	230	3596	0.10%	0.042%
76	6.921	6.902	6.954	VV	349	4899	0.14%	0.057%
77	6.972	6.954	6.992	VV	137	1740	0.05%	0.020%
78	7.030	6.992	7.066	PV	145	4054	0.11%	0.047%
79	7.076	7.066	7.088	VV	95	1192	0.03%	0.014%
80	7.147	7.088	7.176	VV	340	6792	0.19%	0.079%
81	7.204	7.176	7.241	VV	504	10977	0.31%	0.127%
82	7.265	7.241	7.294	VV	490	9615	0.27%	0.112%
83	7.330	7.294	7.352	VV	648	13744	0.39%	0.160%
84	7.371	7.352	7.393	VV	321	4408	0.12%	0.051%
85	7.416	7.393	7.461	VV	270	7674	0.22%	0.089%
86	7.498	7.461	7.524	VV	1278	17344	0.49%	0.201%
87	7.564	7.524	7.594	VV	281	8843	0.25%	0.103%
88	7.607	7.594	7.618	VV	293	3552	0.10%	0.041%
89	7.642	7.618	7.672	VV	1413	19437	0.55%	0.226%

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90	7.681	7.672	7.694	VV	227	2413	0.07%	0.028%
91	7.707	7.694	7.718	VV	225	2730	0.08%	0.032%
92	7.735	7.718	7.758	VV	347	4660	0.13%	0.054%
93	7.766	7.758	7.782	VV	125	1700	0.05%	0.020%
94	7.813	7.782	7.844	VV	190	4463	0.13%	0.052%
95	7.855	7.844	7.880	PV	78	1457	0.04%	0.017%
96	7.907	7.880	7.940	VV	451	7093	0.20%	0.082%
97	7.958	7.940	7.974	VV	280	3685	0.10%	0.043%
98	7.985	7.974	7.995	VV	233	2652	0.07%	0.031%
99	8.010	7.995	8.053	VV	285	5273	0.15%	0.061%
100	8.075	8.053	8.094	VV	287	4746	0.13%	0.055%
101	8.104	8.094	8.118	VV	252	2929	0.08%	0.034%
102	8.131	8.118	8.158	VV	360	4659	0.13%	0.054%
103	8.175	8.158	8.191	PV	323	3921	0.11%	0.046%
104	8.220	8.191	8.250	VV	1032	13719	0.39%	0.159%
105	8.276	8.250	8.304	VV	2361	26935	0.76%	0.313%
106	8.310	8.304	8.331	VV	134	1924	0.05%	0.022%
107	8.345	8.331	8.354	VV	156	1812	0.05%	0.021%
108	8.377	8.354	8.397	VV	563	7722	0.22%	0.090%
109	8.432	8.397	8.504	VV	810	21097	0.59%	0.245%
110	8.528	8.504	8.604	VV	4545	60308	1.70%	0.700%
111	8.627	8.604	8.658	VV	415	9397	0.26%	0.109%
112	8.677	8.658	8.701	VV	288	5212	0.15%	0.061%
113	8.723	8.701	8.743	VV	228	3524	0.10%	0.041%
114	8.765	8.743	8.795	VV	247	3651	0.10%	0.042%
115	8.836	8.795	8.919	VV	20672	269698	7.59%	3.132%
116	8.927	8.919	8.968	VV	538	13030	0.37%	0.151%
117	9.017	8.968	9.055	VV	1176	45013	1.27%	0.523%
118	9.073	9.055	9.114	VV	960	23392	0.66%	0.272%
119	9.133	9.114	9.173	VV	391	10029	0.28%	0.116%
120	9.186	9.173	9.208	VV	374	5921	0.17%	0.069%
121	9.260	9.208	9.280	VV	991	20830	0.59%	0.242%
122	9.296	9.280	9.318	VV	596	11175	0.31%	0.130%
123	9.332	9.318	9.341	VV	538	7229	0.20%	0.084%
124	9.371	9.341	9.401	VV	1248	26617	0.75%	0.309%
125	9.410	9.401	9.425	VV	363	3722	0.10%	0.043%
126	9.446	9.425	9.473	VV	365	6945	0.20%	0.081%
127	9.498	9.473	9.532	VV	329	6530	0.18%	0.076%
128	9.548	9.532	9.566	VV	218	3850	0.11%	0.045%
129	9.581	9.566	9.591	VV	219	2761	0.08%	0.032%
130	9.599	9.591	9.633	VV	314	6226	0.18%	0.072%
131	9.662	9.633	9.699	VV	480	10036	0.28%	0.117%
132	9.729	9.699	9.764	VV	667	11825	0.33%	0.137%
133	9.782	9.764	9.814	VV	445	7302	0.21%	0.085%
134	9.824	9.814	9.844	VV	180	2651	0.07%	0.031%
135	9.871	9.844	9.901	VV	416	8304	0.23%	0.096%
136	9.922	9.901	9.968	VV	1157	14834	0.42%	0.172%
137	10.014	9.968	10.029	VV	219	3828	0.11%	0.044%
138	10.062	10.029	10.120	VV	621	12453	0.35%	0.145%
139	10.144	10.120	10.197	VV	1798	25534	0.72%	0.297%
140	10.215	10.197	10.223	VV	225	2546	0.07%	0.030%
141	10.240	10.223	10.276	VV	283	4753	0.13%	0.055%

rteres

142	10.292	10.276	10.360	VV	158	3491	0.10%	0.041%
143	10.428	10.360	10.491	PV	142	7024	0.20%	0.082%
144	10.535	10.491	10.560	VV	458	9571	0.27%	0.111%
145	10.587	10.560	10.664	VV	654	24354	0.69%	0.283%
146	10.678	10.664	10.730	VV	327	7642	0.22%	0.089%
147	10.747	10.730	10.764	VV	231	4521	0.13%	0.053%
148	10.775	10.764	10.795	VV	234	3979	0.11%	0.046%
149	10.815	10.795	10.851	VV	416	9366	0.26%	0.109%
150	10.886	10.851	10.922	VV	725	14728	0.41%	0.171%
151	10.945	10.922	10.991	VV	321	9140	0.26%	0.106%
152	11.013	10.991	11.043	VV	487	9569	0.27%	0.111%
153	11.071	11.043	11.090	VV	218	4581	0.13%	0.053%
154	11.101	11.090	11.134	VV	344	5598	0.16%	0.065%
155	11.153	11.134	11.184	VV	207	4687	0.13%	0.054%
156	11.211	11.184	11.242	VV	291	7066	0.20%	0.082%
157	11.285	11.242	11.332	VV	1399	30588	0.86%	0.355%
158	11.342	11.332	11.377	VV	332	6046	0.17%	0.070%
159	11.396	11.377	11.437	VV	253	5665	0.16%	0.066%
160	11.450	11.437	11.479	VV	154	2523	0.07%	0.029%
161	11.524	11.479	11.552	VV	1530	22097	0.62%	0.257%
162	11.593	11.552	11.654	VV	2258	35196	0.99%	0.409%
163	11.686	11.654	11.733	VV	369	9092	0.26%	0.106%
164	11.748	11.733	11.772	VV	118	1635	0.05%	0.019%
165	11.834	11.772	11.854	PV	178	4048	0.11%	0.047%
166	11.935	11.854	11.964	VV	273	11483	0.32%	0.133%
167	11.983	11.964	12.025	VV	345	8045	0.23%	0.093%
168	12.048	12.025	12.091	VV	368	8240	0.23%	0.096%
169	12.097	12.091	12.116	VV	121	1437	0.04%	0.017%
170	12.264	12.116	12.295	VV	621	23895	0.67%	0.278%
171	12.309	12.295	12.340	VV	251	4207	0.12%	0.049%
172	12.353	12.340	12.380	VV	205	3203	0.09%	0.037%
173	12.425	12.380	12.445	VV	201	6302	0.18%	0.073%
174	12.478	12.445	12.527	VV	440	12494	0.35%	0.145%
175	12.551	12.527	12.569	VV	273	5484	0.15%	0.064%
176	12.594	12.569	12.608	VV	298	5426	0.15%	0.063%
177	12.634	12.608	12.662	VV	775	14035	0.40%	0.163%
178	12.671	12.662	12.691	VV	271	3608	0.10%	0.042%
179	12.720	12.691	12.736	VV	425	7407	0.21%	0.086%
180	12.764	12.736	12.817	VV	728	16028	0.45%	0.186%
181	12.847	12.817	12.879	VV	1086	17301	0.49%	0.201%
182	12.908	12.879	12.946	VV	2363	33076	0.93%	0.384%
183	13.027	12.946	13.051	VV	264	10277	0.29%	0.119%
184	13.064	13.051	13.134	VV	166	3210	0.09%	0.037%
185	13.160	13.134	13.177	PV	180	2255	0.06%	0.026%
186	13.185	13.177	13.214	VV	194	2466	0.07%	0.029%
187	13.224	13.214	13.247	VV	128	1634	0.05%	0.019%
188	13.278	13.247	13.289	PV	239	3872	0.11%	0.045%
189	13.356	13.289	13.454	VV	288094	3552341	100.00%	41.256%
190	13.462	13.454	13.500	VV	516	10542	0.30%	0.122%
191	13.524	13.500	13.579	VV	701	21005	0.59%	0.244%
192	13.590	13.579	13.615	VV	355	5890	0.17%	0.068%
193	13.635	13.615	13.688	VV	229	7451	0.21%	0.087%
194	13.745	13.688	13.768	VV	218	8282	0.23%	0.096%

rteres

195	13.788	13.768	13.848	VV	308	10047	0.28%	0.117%
196	13.863	13.848	13.888	VV	176	3192	0.09%	0.037%
197	13.932	13.888	13.941	VV	204	3921	0.11%	0.046%
198	13.963	13.941	14.001	VV	283	6509	0.18%	0.076%
199	14.057	14.001	14.081	VV	997	17563	0.49%	0.204%
200	14.111	14.081	14.163	VV	2113	31618	0.89%	0.367%
201	14.194	14.163	14.219	VV	147	2793	0.08%	0.032%
202	14.246	14.219	14.265	PV	92	1447	0.04%	0.017%
203	14.332	14.265	14.399	VV	131	4751	0.13%	0.055%
204	14.410	14.399	14.425	VV	152	950	0.03%	0.011%
205	14.445	14.425	14.458	PV	138	1290	0.04%	0.015%
206	14.497	14.458	14.511	VV	108	2707	0.08%	0.031%
207	14.549	14.511	14.610	VV	785	15908	0.45%	0.185%
208	14.625	14.610	14.653	VV	233	3343	0.09%	0.039%
209	14.675	14.653	14.699	VV	538	6845	0.19%	0.079%
210	14.707	14.699	14.716	VV	107	802	0.02%	0.009%
211	14.740	14.716	14.758	VV	118	2563	0.07%	0.030%
212	14.764	14.758	14.784	VV	117	1196	0.03%	0.014%
213	14.814	14.784	14.824	VV	149	2698	0.08%	0.031%
214	14.837	14.824	14.856	VV	145	1516	0.04%	0.018%
215	14.904	14.856	14.914	VV	85	2281	0.06%	0.026%
216	14.935	14.914	14.948	VV	207	2006	0.06%	0.023%
217	14.960	14.948	14.970	VV	146	1641	0.05%	0.019%
218	14.992	14.970	15.044	VV	183	6092	0.17%	0.071%
219	15.064	15.044	15.078	VV	173	2432	0.07%	0.028%
220	15.080	15.078	15.101	VV	144	995	0.03%	0.012%
221	15.174	15.101	15.191	VV	729	13834	0.39%	0.161%
222	15.217	15.191	15.277	VV	1831	29712	0.84%	0.345%
223	15.287	15.277	15.312	VV	134	1478	0.04%	0.017%
224	15.324	15.312	15.335	VV	106	842	0.02%	0.010%
225	15.342	15.335	15.365	VV	71	673	0.02%	0.008%
226	15.380	15.365	15.391	VV	66	630	0.02%	0.007%
227	15.424	15.391	15.444	PV	63	1730	0.05%	0.020%
228	15.533	15.444	15.548	VV	154	3250	0.09%	0.038%
229	15.562	15.548	15.578	VV	78	712	0.02%	0.008%
230	15.701	15.578	15.717	PV	200	7384	0.21%	0.086%
231	15.740	15.717	15.771	VV	743	11629	0.33%	0.135%
232	15.784	15.771	15.834	VV	171	4167	0.12%	0.048%
233	15.948	15.834	15.985	PV	188	10343	0.29%	0.120%
234	16.002	15.985	16.017	VV	180	2373	0.07%	0.028%
235	16.073	16.017	16.149	VV	288	15345	0.43%	0.178%
236	16.202	16.149	16.218	VV	756	14738	0.41%	0.171%
237	16.242	16.218	16.348	VV	1954	38103	1.07%	0.443%
238	16.431	16.348	16.484	VV	253	13946	0.39%	0.162%
239	16.606	16.484	16.648	VV	170	14453	0.41%	0.168%
240	16.728	16.648	16.781	PV	1108	22228	0.63%	0.258%
241	16.887	16.781	16.931	PV	172	7188	0.20%	0.083%
242	17.080	16.931	17.104	VV	131	4649	0.13%	0.054%
243	17.195	17.104	17.265	PV	2107	44339	1.25%	0.515%
244	17.434	17.265	17.468	VV	251	16407	0.46%	0.191%
245	17.514	17.468	17.551	VV	239	6869	0.19%	0.080%
246	17.646	17.551	17.701	VV	1846	37063	1.04%	0.430%

rteres

247	17.759	17.701	17.791	VV	244	5990	0.17%	0.070%
248	17.928	17.791	17.948	PV	152	4360	0.12%	0.051%
249	18.084	17.948	18.164	PV	3282	74769	2.10%	0.868%
250	18.228	18.164	18.301	VV	948	33763	0.95%	0.392%
251	18.433	18.301	18.452	VV	339	23060	0.65%	0.268%
252	18.508	18.452	18.543	VV	3098	54001	1.52%	0.627%
253	18.597	18.543	18.658	VV	871	24310	0.68%	0.282%
254	18.669	18.658	18.685	VV	86	1417	0.04%	0.016%
255	18.772	18.685	18.808	PV	216	7462	0.21%	0.087%
256	18.918	18.808	18.954	PV	3124	48390	1.36%	0.562%
257	19.021	18.954	19.044	PV	549	7983	0.22%	0.093%
258	19.069	19.044	19.094	VV	488	8759	0.25%	0.102%
259	19.212	19.094	19.244	VV	215	13271	0.37%	0.154%
260	19.317	19.244	19.378	PV	2321	41943	1.18%	0.487%
261	19.612	19.378	19.640	PV	626	49826	1.40%	0.579%
262	19.704	19.640	19.765	VV	2783	63669	1.79%	0.739%
263	19.989	19.765	20.021	VV	647	71587	2.02%	0.831%
264	20.081	20.021	20.110	VV	2163	49503	1.39%	0.575%
265	20.130	20.110	20.151	VV	669	14701	0.41%	0.171%
266	20.447	20.151	20.478	VV	3335	194439	5.47%	2.258%
267	20.660	20.478	20.684	VV	2531	269857	7.60%	3.134%
268	20.806	20.684	20.836	VV	4144	271662	7.65%	3.155%
269	20.914	20.836	21.003	VV	3393	314852	8.86%	3.657%
270	21.186	21.003	21.268	VV	3942	431830	12.16%	5.015%
271	21.482	21.268	21.578	VV	2095	371423	10.46%	4.314%
272	21.621	21.578	21.648	VV	1614	59351	1.67%	0.689%
273	21.871	21.648	22.048	VV	1264	263087	7.41%	3.055%

Sum of corrected areas: 8610483

Aliphatic EPH 030325.M Tue Mar 11 06:29:27 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015643.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 23:38
Operator : YP\AJ
Sample : Q1514-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
ENV-103-SB01

Integration File: autoint1.e
Quant Time: Mar 11 03:27:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.997	6468886	55.568 ug/ml
Spiked Amount 50.000		Recovery = 111.14%	
6) S 2-Flurobiphenyl (SURR)	8.873	3869520	54.323 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 108.65%	
11) S ortho-Terphenyl (SURR)	11.932	3967510	26.971 ug/ml
Spiked Amount 50.000		Recovery = 53.94%	
Target Compounds			

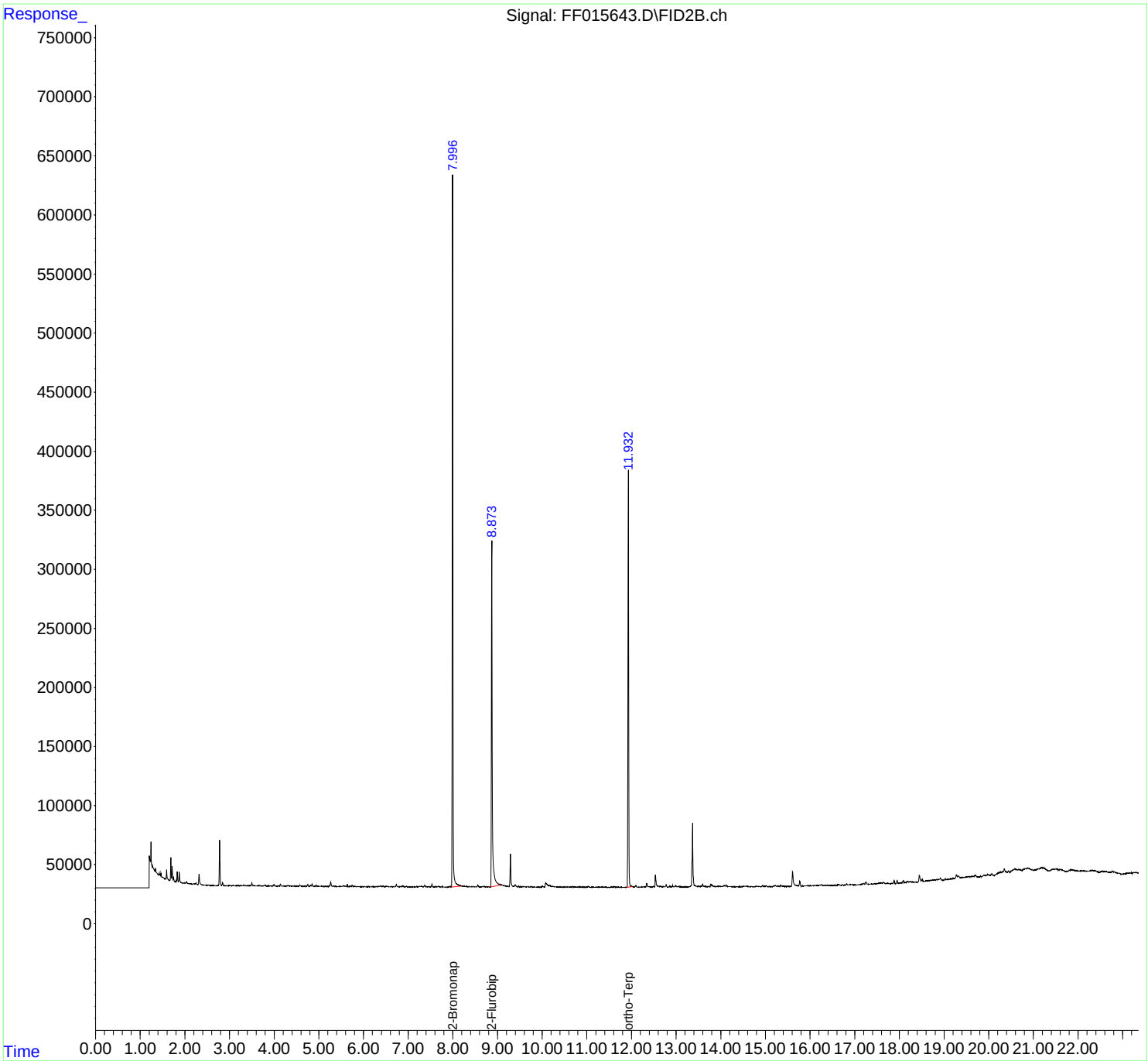
(f)=RT Delta > 1/2 Window (m)=manual int.

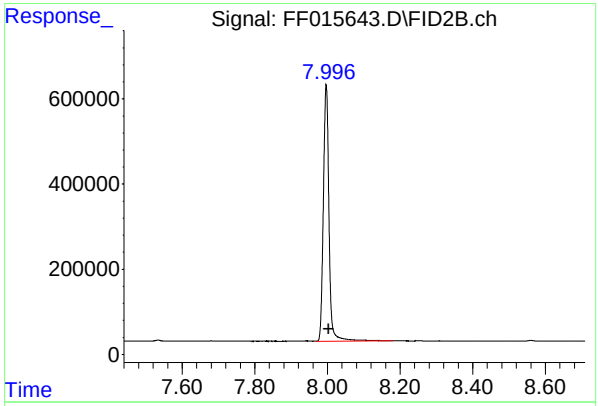
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015643.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 23:38
Operator : YP\AJ
Sample : Q1514-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
ENV-103-SB01

Integration File: autoint1.e
Quant Time: Mar 11 03:27:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

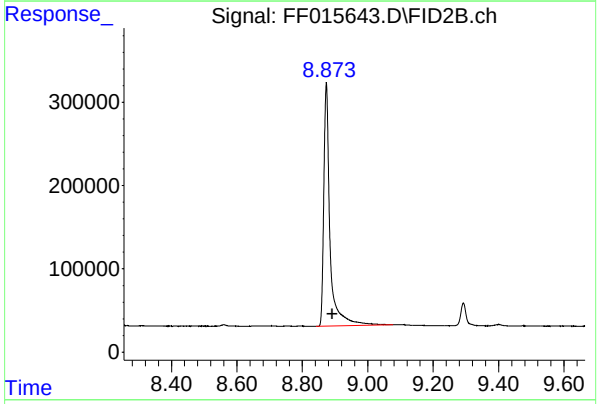




#4 2-Bromonaphthalene (SURR)

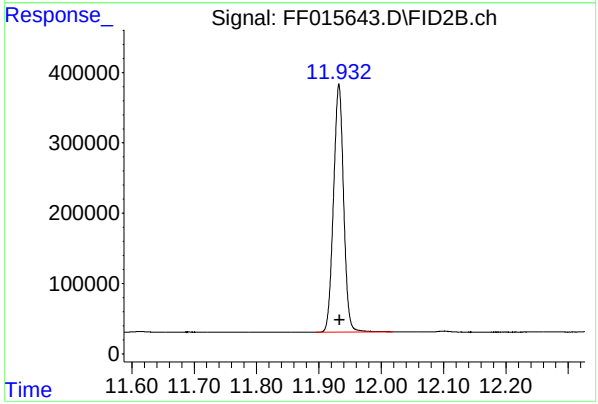
R.T.: 7.997 min
Delta R.T.: -0.006 min
Response: 6468886
Conc: 55.57 ug/ml

Instrument :
FID_F
ClientSampleId :
ENV-103-SB01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.873 min
Delta R.T.: -0.018 min
Response: 3869520
Conc: 54.32 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.932 min
Delta R.T.: -0.001 min
Response: 3967510
Conc: 26.97 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015643.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 23:38
Sample : Q1514-05
Misc :
ALS Vial : 85 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.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	5.266	5.205	5.310	BV	3677	54960	0.85%	0.346%
2	7.997	7.969	8.180	BB	602252	6468886	100.00%	40.714%
3	8.873	8.842	9.077	BB	292744	3869520	59.82%	24.354%
4	9.292	9.237	9.364	BB	27410	316202	4.89%	1.990%
5	10.081	10.055	10.152	BB	3225	84250	1.30%	0.530%
6	11.932	11.895	12.019	BB	353115	3967510	61.33%	24.971%
7	12.537	12.519	12.607	PB	10094	146369	2.26%	0.921%
8	13.368	13.295	13.474	BB	54027	711537	11.00%	4.478%
9	15.607	15.547	15.700	BB	12331	217043	3.36%	1.366%
10	15.768	15.714	15.815	BB	3995	52200	0.81%	0.329%

Sum of corrected areas: 15888478

Aromatic EPH 022625.M Tue Mar 11 04:38:33 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068394.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 11:11
Operator : YP/AJ
Sample : Q1514-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
ENV-105-GW01

Integration File: autoint1.e
Quant Time: Mar 11 13:41:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Quant Title : GC Extractables
QLast Update : Thu Mar 06 12:39:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.847	4323331	37.327 ug/ml
Spiked Amount 50.000		Recovery = 74.65%	
Target Compounds			

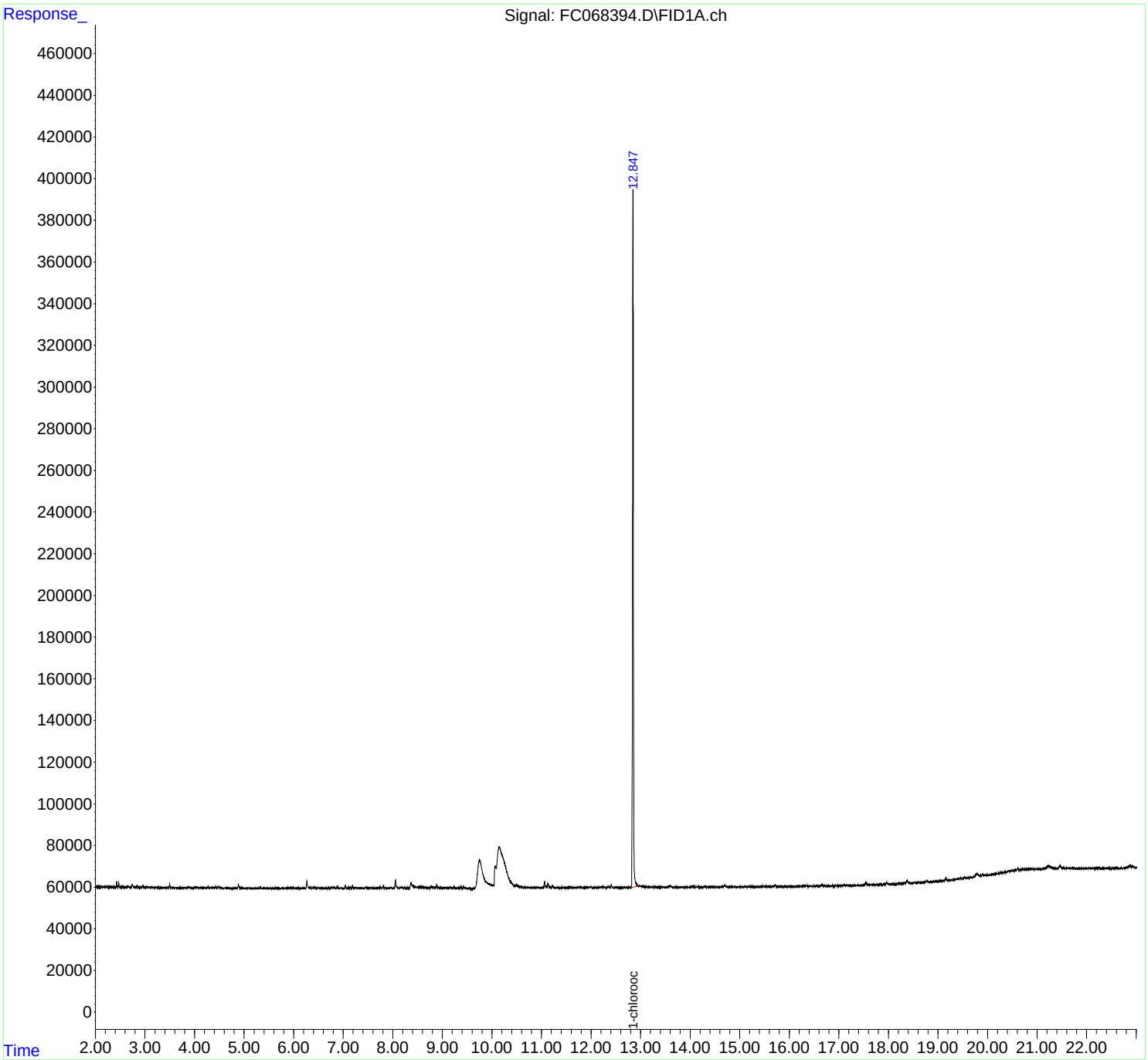
(f)=RT Delta > 1/2 Window (m)=manual int.

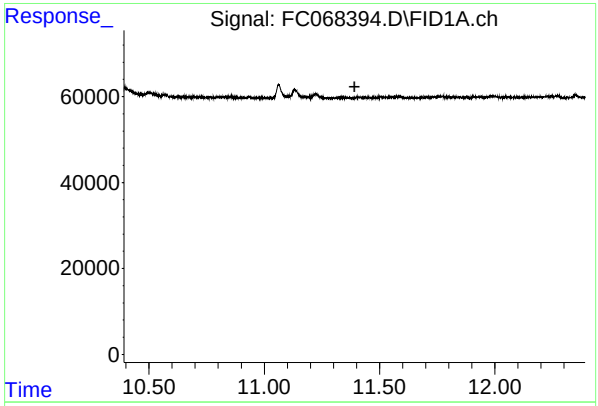
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068394.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 11:11
Operator : YP/AJ
Sample : Q1514-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
ENV-105-GW01

Integration File: autoint1.e
Quant Time: Mar 11 13:41:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Quant Title : GC Extractables
QLast Update : Thu Mar 06 12:39:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

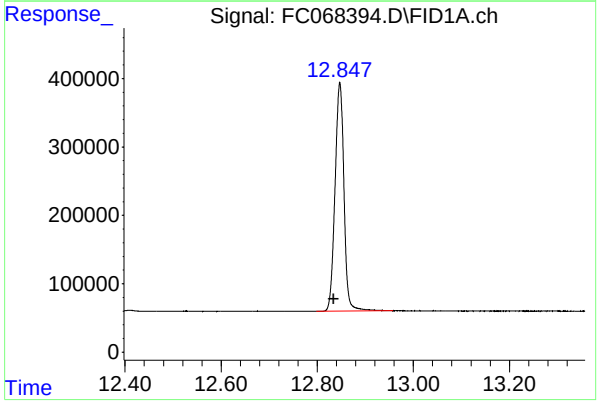




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.391 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
ENV-105-GW01



#12 1-chlorooctadecane (SURR)

R.T.: 12.847 min
Delta R.T.: 0.012 min
Response: 4323331
Conc: 37.33 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068394.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 11:11
Sample : Q1514-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.322	2.301	2.340	BV	104	1070	0.02%	0.008%
2	2.357	2.340	2.375	VV	320	3068	0.07%	0.022%
3	2.397	2.375	2.408	VV	227	1922	0.04%	0.014%
4	2.430	2.408	2.453	PV	2784	23493	0.54%	0.172%
5	2.470	2.453	2.514	VV	2171	22394	0.51%	0.164%
6	2.526	2.514	2.584	VV	244	10024	0.23%	0.073%
7	2.593	2.584	2.634	VV	255	5545	0.13%	0.041%
8	2.655	2.634	2.686	VV	514	8451	0.19%	0.062%
9	2.742	2.686	2.775	VV	1539	29406	0.67%	0.215%
10	2.787	2.775	2.817	VV	531	8365	0.19%	0.061%
11	2.837	2.817	2.869	VV	1089	14124	0.32%	0.103%
12	2.919	2.914	2.941	VV	271	3640	0.08%	0.027%
13	2.960	2.941	2.998	VV	1104	15741	0.36%	0.115%
14	3.006	2.998	3.096	VV	331	10010	0.23%	0.073%
15	3.129	3.096	3.187	VV	216	7464	0.17%	0.055%
16	3.205	3.187	3.234	VV	252	4131	0.09%	0.030%
17	3.248	3.234	3.334	VV	142	6194	0.14%	0.045%
18	3.358	3.334	3.398	VV	159	4115	0.09%	0.030%
19	3.405	3.398	3.421	VV	107	908	0.02%	0.007%
20	3.448	3.421	3.457	PV	131	2259	0.05%	0.017%
21	3.496	3.457	3.516	VV	1735	17995	0.41%	0.132%
22	3.524	3.516	3.554	VV	175	2115	0.05%	0.015%
23	3.568	3.554	3.591	VV	199	2277	0.05%	0.017%
24	3.617	3.591	3.641	VV	108	1904	0.04%	0.014%
25	3.657	3.641	3.680	PV	87	1219	0.03%	0.009%
26	3.701	3.680	3.724	VV	148	1793	0.04%	0.013%
27	3.730	3.724	3.745	VV	114	1037	0.02%	0.008%
28	3.771	3.745	3.795	VV	152	2690	0.06%	0.020%
29	3.868	3.795	3.876	VV	193	4538	0.10%	0.033%
30	3.893	3.876	3.939	VV	501	10272	0.23%	0.075%
31	3.960	3.939	3.975	VV	166	2087	0.05%	0.015%
32	4.035	3.975	4.063	VV	555	11180	0.26%	0.082%
33	4.074	4.063	4.119	VV	153	4243	0.10%	0.031%
34	4.129	4.119	4.160	VV	214	3297	0.08%	0.024%
35	4.182	4.160	4.205	VV	286	5226	0.12%	0.038%
36	4.277	4.205	4.323	VV	798	22865	0.52%	0.167%

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37	4.361	4.323	4.397	VV	578	13581	0.31%	0.099%
38	4.426	4.397	4.446	VV	736	12501	0.29%	0.092%
39	4.481	4.446	4.495	VV	695	12620	0.29%	0.092%
40	4.510	4.495	4.532	VV	875	10423	0.24%	0.076%
41	4.541	4.532	4.575	VV	190	4125	0.09%	0.030%
42	4.581	4.575	4.611	VV	196	2991	0.07%	0.022%
43	4.628	4.611	4.660	VV	196	3872	0.09%	0.028%
44	4.670	4.660	4.708	VV	142	3259	0.07%	0.024%
45	4.716	4.708	4.745	VV	154	1692	0.04%	0.012%
46	4.765	4.745	4.789	PV	81	1167	0.03%	0.009%
47	4.810	4.789	4.841	VV	201	3092	0.07%	0.023%
48	4.886	4.841	4.924	VV	1921	26280	0.60%	0.192%
49	4.943	4.924	5.023	VV	542	10372	0.24%	0.076%
50	5.035	5.023	5.051	VV	151	2047	0.05%	0.015%
51	5.081	5.051	5.163	VV	212	7041	0.16%	0.052%
52	5.176	5.163	5.220	VV	155	2679	0.06%	0.020%
53	5.235	5.220	5.241	PV	98	770	0.02%	0.006%
54	5.257	5.241	5.271	VV	170	1941	0.04%	0.014%
55	5.289	5.271	5.308	VV	287	4616	0.11%	0.034%
56	5.328	5.308	5.360	VV	855	11156	0.25%	0.082%
57	5.382	5.360	5.432	VV	247	6271	0.14%	0.046%
58	5.467	5.432	5.488	VV	241	5368	0.12%	0.039%
59	5.495	5.488	5.501	VV	171	1037	0.02%	0.008%
60	5.510	5.501	5.554	VV	170	3743	0.09%	0.027%
61	5.576	5.554	5.596	VV	235	3910	0.09%	0.029%
62	5.638	5.596	5.690	VV	300	8155	0.19%	0.060%
63	5.700	5.690	5.725	VV	146	2324	0.05%	0.017%
64	5.741	5.725	5.778	VV	198	4105	0.09%	0.030%
65	5.786	5.778	5.817	VV	200	4091	0.09%	0.030%
66	5.850	5.817	5.861	VV	319	6566	0.15%	0.048%
67	5.880	5.861	5.914	VV	394	9390	0.21%	0.069%
68	5.925	5.914	5.966	VV	562	12004	0.27%	0.088%
69	5.987	5.966	6.034	VV	585	13465	0.31%	0.099%
70	6.056	6.034	6.104	VV	303	9367	0.21%	0.069%
71	6.181	6.168	6.224	VV	193	5041	0.12%	0.037%
72	6.229	6.224	6.234	VV	233	937	0.02%	0.007%
73	6.267	6.234	6.329	VV	3560	61165	1.40%	0.448%
74	6.346	6.329	6.368	VV	571	9703	0.22%	0.071%
75	6.382	6.368	6.401	VV	390	6360	0.15%	0.047%
76	6.413	6.401	6.431	VV	697	9353	0.21%	0.068%
77	6.447	6.431	6.471	VV	403	8009	0.18%	0.059%
78	6.484	6.471	6.521	VV	495	9363	0.21%	0.069%
79	6.539	6.521	6.571	VV	288	6896	0.16%	0.051%
80	6.584	6.571	6.690	VV	307	14981	0.34%	0.110%
81	6.707	6.690	6.730	VV	535	7558	0.17%	0.055%
82	6.757	6.730	6.774	VV	615	10861	0.25%	0.080%
83	6.784	6.774	6.794	VV	511	5462	0.12%	0.040%
84	6.808	6.794	6.853	VV	564	15350	0.35%	0.112%
85	6.882	6.853	6.941	VV	843	22077	0.50%	0.162%
86	6.961	6.941	7.008	VV	404	11416	0.26%	0.084%
87	7.043	7.008	7.082	VV	1561	24357	0.56%	0.178%
88	7.105	7.082	7.136	VV	493	11700	0.27%	0.086%
89	7.152	7.136	7.165	VV	461	6905	0.16%	0.051%

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90	7.188	7.165	7.231	VV	1143	23758	0.54%	0.174%
91	7.249	7.231	7.261	VV	545	7626	0.17%	0.056%
92	7.275	7.261	7.298	VV	553	9668	0.22%	0.071%
93	7.345	7.298	7.358	VV	368	11722	0.27%	0.086%
94	7.363	7.358	7.421	VV	425	11300	0.26%	0.083%
95	7.444	7.421	7.468	VV	872	13579	0.31%	0.099%
96	7.476	7.468	7.510	VV	371	8387	0.19%	0.061%
97	7.542	7.510	7.574	VV	457	14626	0.33%	0.107%
98	7.600	7.574	7.638	VV	578	16200	0.37%	0.119%
99	7.650	7.638	7.684	VV	437	9976	0.23%	0.073%
100	7.707	7.684	7.731	VV	438	10236	0.23%	0.075%
101	7.750	7.731	7.778	VV	1015	17038	0.39%	0.125%
102	7.805	7.778	7.829	VV	1424	21705	0.50%	0.159%
103	7.839	7.829	7.861	VV	478	7028	0.16%	0.051%
104	7.871	7.861	7.894	VV	348	5807	0.13%	0.043%
105	7.910	7.894	7.938	VV	410	9576	0.22%	0.070%
106	7.963	7.938	8.031	VV	835	25763	0.59%	0.189%
107	8.054	8.031	8.131	VV	4182	76720	1.75%	0.562%
108	8.152	8.131	8.188	VV	751	21010	0.48%	0.154%
109	8.197	8.188	8.223	VV	666	11048	0.25%	0.081%
110	8.243	8.223	8.265	VV	565	11065	0.25%	0.081%
111	8.283	8.265	8.318	VV	643	14030	0.32%	0.103%
112	8.321	8.318	8.334	VV	387	3574	0.08%	0.026%
113	8.366	8.334	8.490	VV	3000	127691	2.92%	0.935%
114	8.507	8.490	8.576	VV	935	43082	0.98%	0.316%
115	8.594	8.576	8.634	VV	1048	28364	0.65%	0.208%
116	8.652	8.634	8.677	VV	774	16343	0.37%	0.120%
117	8.702	8.677	8.738	VV	638	19298	0.44%	0.141%
118	8.772	8.738	8.791	VV	1115	24294	0.56%	0.178%
119	8.808	8.791	8.857	VV	948	30499	0.70%	0.223%
120	8.885	8.857	8.933	VV	1663	42495	0.97%	0.311%
121	8.957	8.933	8.980	VV	772	16259	0.37%	0.119%
122	9.007	8.980	9.034	VV	662	16565	0.38%	0.121%
123	9.069	9.034	9.087	VV	628	17855	0.41%	0.131%
124	9.097	9.087	9.106	VV	608	6342	0.14%	0.046%
125	9.124	9.106	9.144	VV	601	13328	0.30%	0.098%
126	9.169	9.144	9.213	VV	726	23989	0.55%	0.176%
127	9.235	9.213	9.273	VV	1028	23773	0.54%	0.174%
128	9.294	9.273	9.339	VV	660	20289	0.46%	0.149%
129	9.383	9.339	9.405	VV	861	26188	0.60%	0.192%
130	9.432	9.405	9.534	VV	1205	39318	0.90%	0.288%
131	9.549	9.534	9.571	VV	595	6381	0.15%	0.047%
132	9.750	9.571	10.040	PV	13600	1218076	27.84%	8.921%
133	10.066	10.040	10.089	VV	10802	241105	5.51%	1.766%
134	10.150	10.089	10.472	VV	19924	2270953	51.91%	16.632%
135	10.502	10.472	10.551	VV	1716	64279	1.47%	0.471%
136	10.569	10.551	10.611	VV	1231	32754	0.75%	0.240%
137	10.623	10.611	10.648	VV	724	15140	0.35%	0.111%
138	10.660	10.648	10.680	VV	671	12480	0.29%	0.091%
139	10.695	10.680	10.708	VV	663	9785	0.22%	0.072%
140	10.722	10.708	10.739	VV	627	10952	0.25%	0.080%
141	10.757	10.739	10.787	VV	564	15873	0.36%	0.116%

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142	10.829	10.787	10.841	VV	603	18148	0.41%	0.133%
143	10.855	10.841	10.876	VV	720	12397	0.28%	0.091%
144	10.886	10.876	10.895	VV	485	5314	0.12%	0.039%
145	10.901	10.895	10.924	VV	518	7900	0.18%	0.058%
146	10.934	10.924	10.982	VV	533	15353	0.35%	0.112%
147	11.025	10.982	11.033	VV	463	12430	0.28%	0.091%
148	11.062	11.033	11.098	VV	3517	59587	1.36%	0.436%
149	11.133	11.098	11.167	VV	2310	51488	1.18%	0.377%
150	11.178	11.167	11.204	VV	655	12122	0.28%	0.089%
151	11.223	11.204	11.305	VV	1331	33745	0.77%	0.247%
152	11.339	11.305	11.348	VV	397	9010	0.21%	0.066%
153	11.355	11.348	11.384	VV	422	7076	0.16%	0.052%
154	11.407	11.384	11.425	VV	505	9775	0.22%	0.072%
155	11.439	11.425	11.489	VV	445	15076	0.34%	0.110%
156	11.506	11.489	11.561	VV	610	18192	0.42%	0.133%
157	11.586	11.561	11.618	VV	617	15211	0.35%	0.111%
158	11.631	11.618	11.660	VV	331	7325	0.17%	0.054%
159	11.775	11.660	11.838	VV	556	44523	1.02%	0.326%
160	11.845	11.838	11.864	VV	401	5641	0.13%	0.041%
161	11.878	11.864	11.888	VV	426	4981	0.11%	0.036%
162	11.909	11.888	11.961	VV	496	17022	0.39%	0.125%
163	11.992	11.961	12.034	VV	640	20131	0.46%	0.147%
164	12.060	12.034	12.088	VV	432	11285	0.26%	0.083%
165	12.095	12.088	12.104	VV	367	3189	0.07%	0.023%
166	12.114	12.104	12.144	VV	364	7408	0.17%	0.054%
167	12.193	12.144	12.206	VV	442	13596	0.31%	0.100%
168	12.223	12.206	12.256	VV	532	14246	0.33%	0.104%
169	12.271	12.256	12.303	VV	717	12579	0.29%	0.092%
170	12.350	12.303	12.378	VV	833	18052	0.41%	0.132%
171	12.410	12.378	12.501	VV	1795	37703	0.86%	0.276%
172	12.526	12.501	12.578	VV	417	11524	0.26%	0.084%
173	12.585	12.578	12.628	VV	207	4572	0.10%	0.033%
174	12.662	12.628	12.671	VV	224	4726	0.11%	0.035%
175	12.694	12.671	12.754	VV	292	10421	0.24%	0.076%
176	12.767	12.754	12.781	VV	250	3258	0.07%	0.024%
177	12.792	12.781	12.806	VV	218	2600	0.06%	0.019%
178	12.847	12.806	12.961	VV	334766	4375010	100.00%	32.041%
179	12.970	12.961	13.037	VV	892	34530	0.79%	0.253%
180	13.051	13.037	13.114	VV	760	26166	0.60%	0.192%
181	13.134	13.114	13.174	VV	474	14852	0.34%	0.109%
182	13.209	13.174	13.254	VV	459	16815	0.38%	0.123%
183	13.280	13.254	13.340	VV	417	15353	0.35%	0.112%
184	13.356	13.340	13.383	VV	273	5258	0.12%	0.039%
185	13.399	13.383	13.428	VV	277	6559	0.15%	0.048%
186	13.458	13.428	13.487	VV	431	10041	0.23%	0.074%
187	13.500	13.487	13.509	VV	290	2743	0.06%	0.020%
188	13.547	13.509	13.570	VV	534	12583	0.29%	0.092%
189	13.600	13.570	13.660	VV	1103	26436	0.60%	0.194%
190	13.671	13.660	13.708	VV	216	4672	0.11%	0.034%
191	13.712	13.708	13.739	VV	202	2529	0.06%	0.019%
192	13.746	13.739	13.781	VV	147	2444	0.06%	0.018%
193	13.806	13.781	13.865	VV	249	8098	0.19%	0.059%
194	13.928	13.865	13.980	VV	221	8658	0.20%	0.063%

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195	13.988	13.980	14.011	VV	176	2473	0.06%	0.018%
196	14.042	14.011	14.101	VV	602	18709	0.43%	0.137%
197	14.113	14.101	14.151	VV	264	5902	0.13%	0.043%
198	14.167	14.151	14.190	VV	246	3870	0.09%	0.028%
199	14.208	14.190	14.248	VV	210	5270	0.12%	0.039%
200	14.258	14.248	14.271	VV	172	1991	0.05%	0.015%
201	14.311	14.271	14.386	VV	313	12178	0.28%	0.089%
202	14.398	14.386	14.431	VV	228	4568	0.10%	0.033%
203	14.458	14.431	14.531	VV	256	10816	0.25%	0.079%
204	14.554	14.531	14.564	VV	180	3177	0.07%	0.023%
205	14.578	14.564	14.601	VV	214	3058	0.07%	0.022%
206	14.661	14.601	14.674	VV	470	9524	0.22%	0.070%
207	14.700	14.674	14.764	VV	839	25252	0.58%	0.185%
208	14.778	14.764	14.819	VV	212	4172	0.10%	0.031%
209	14.863	14.819	14.892	VV	200	5328	0.12%	0.039%
210	14.922	14.892	14.944	VV	152	3308	0.08%	0.024%
211	14.951	14.944	14.961	VV	119	1006	0.02%	0.007%
212	14.993	14.961	15.019	VV	195	4404	0.10%	0.032%
213	15.034	15.019	15.084	VV	132	4128	0.09%	0.030%
214	15.121	15.084	15.164	VV	254	7917	0.18%	0.058%
215	15.169	15.164	15.200	VV	185	2739	0.06%	0.020%
216	15.219	15.200	15.234	VV	195	3097	0.07%	0.023%
217	15.244	15.234	15.288	VV	164	3891	0.09%	0.028%
218	15.314	15.288	15.328	VV	168	3082	0.07%	0.023%
219	15.360	15.328	15.394	VV	182	5862	0.13%	0.043%
220	15.404	15.394	15.430	VV	218	2847	0.07%	0.021%
221	15.451	15.430	15.464	VV	282	2842	0.06%	0.021%
222	15.494	15.464	15.524	VV	266	6914	0.16%	0.051%
223	15.557	15.524	15.570	VV	200	4861	0.11%	0.036%
224	15.582	15.570	15.637	VV	220	6133	0.14%	0.045%
225	15.648	15.637	15.659	VV	182	2168	0.05%	0.016%
226	15.680	15.659	15.690	VV	353	4647	0.11%	0.034%
227	15.715	15.690	15.782	VV	811	21443	0.49%	0.157%
228	15.791	15.782	15.818	VV	152	2464	0.06%	0.018%
229	15.857	15.818	15.874	VV	220	5083	0.12%	0.037%
230	15.918	15.874	15.944	VV	204	6892	0.16%	0.050%
231	15.947	15.944	15.971	VV	150	2043	0.05%	0.015%
232	15.980	15.971	15.988	VV	161	1263	0.03%	0.009%
233	15.998	15.988	16.011	VV	178	1510	0.03%	0.011%
234	16.014	16.011	16.048	VV	111	1573	0.04%	0.012%
235	16.077	16.048	16.118	PV	189	3906	0.09%	0.029%
236	16.144	16.118	16.168	VV	156	2905	0.07%	0.021%
237	16.200	16.168	16.230	VV	327	6232	0.14%	0.046%
238	16.245	16.230	16.282	VV	285	5868	0.13%	0.043%
239	16.302	16.282	16.345	VV	202	5024	0.11%	0.037%
240	16.365	16.345	16.385	VV	241	3816	0.09%	0.028%
241	16.398	16.385	16.411	VV	188	2160	0.05%	0.016%
242	16.427	16.411	16.468	VV	184	3945	0.09%	0.029%
243	16.471	16.468	16.481	VV	133	745	0.02%	0.005%
244	16.516	16.481	16.529	VV	165	2921	0.07%	0.021%
245	16.551	16.529	16.598	VV	268	7092	0.16%	0.052%
246	16.625	16.598	16.638	VV	377	5932	0.14%	0.043%

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247	16.662	16.638	16.706	VV	930	19794	0.45%	0.145%
248	16.727	16.706	16.751	VV	218	4198	0.10%	0.031%
249	16.776	16.751	16.808	VV	138	3708	0.08%	0.027%
250	16.818	16.808	16.848	VV	115	1829	0.04%	0.013%
251	16.853	16.848	16.863	VV	116	751	0.02%	0.006%
252	16.875	16.863	16.921	VV	66	1720	0.04%	0.013%
253	16.962	16.921	16.975	VV	210	4556	0.10%	0.033%
254	17.024	16.975	17.034	PV	193	3983	0.09%	0.029%
255	17.109	17.034	17.154	VV	573	17556	0.40%	0.129%
256	17.166	17.154	17.177	VV	149	1742	0.04%	0.013%
257	17.205	17.177	17.267	VV	276	7772	0.18%	0.057%
258	17.289	17.267	17.322	VV	198	3935	0.09%	0.029%
259	17.357	17.322	17.380	VV	170	3478	0.08%	0.025%
260	17.406	17.380	17.448	VV	173	3731	0.09%	0.027%
261	17.548	17.448	17.611	PV	1213	31996	0.73%	0.234%
262	17.629	17.611	17.650	VV	172	3052	0.07%	0.022%
263	17.704	17.650	17.768	VV	138	6188	0.14%	0.045%
264	17.789	17.768	17.796	VV	75	632	0.01%	0.005%
265	17.815	17.796	17.878	VV	208	4823	0.11%	0.035%
266	17.969	17.878	18.008	PV	917	21594	0.49%	0.158%
267	18.018	18.008	18.039	VV	143	1954	0.04%	0.014%
268	18.278	18.039	18.305	PV	157	9917	0.23%	0.073%
269	18.376	18.305	18.454	VV	1382	35118	0.80%	0.257%
270	18.535	18.454	18.558	PV	190	4297	0.10%	0.031%
271	18.573	18.558	18.588	VV	116	1338	0.03%	0.010%
272	18.629	18.588	18.647	VV	118	2654	0.06%	0.019%
273	18.661	18.647	18.703	VV	103	2386	0.05%	0.017%
274	18.720	18.703	18.734	PV	108	1096	0.03%	0.008%
275	18.775	18.734	18.809	VV	820	15894	0.36%	0.116%
276	18.816	18.809	18.860	VV	168	3256	0.07%	0.024%
277	18.875	18.860	18.882	VV	90	900	0.02%	0.007%
278	18.954	18.882	18.992	PV	247	8250	0.19%	0.060%
279	19.002	18.992	19.010	VV	125	916	0.02%	0.007%
280	19.075	19.010	19.084	VV	131	3632	0.08%	0.027%
281	19.159	19.084	19.234	VV	1216	29979	0.69%	0.220%
282	19.278	19.234	19.288	VV	156	3140	0.07%	0.023%
283	19.455	19.288	19.504	VV	691	46151	1.05%	0.338%
284	19.532	19.504	19.586	VV	908	29298	0.67%	0.215%
285	19.597	19.586	19.618	VV	537	8386	0.19%	0.061%
286	19.663	19.618	19.677	VV	556	17611	0.40%	0.129%
287	19.791	19.677	19.865	VV	1974	137425	3.14%	1.006%
288	19.898	19.865	19.934	VV	1734	52608	1.20%	0.385%
289	19.952	19.934	20.001	VV	1190	43472	0.99%	0.318%
290	20.009	20.001	20.017	VV	1070	9764	0.22%	0.072%
291	20.257	20.017	20.284	VV	1809	213696	4.88%	1.565%
292	20.368	20.284	20.376	VV	1853	95122	2.17%	0.697%
293	20.424	20.376	20.458	VV	2259	100271	2.29%	0.734%
294	20.609	20.458	20.658	VV	2936	282312	6.45%	2.068%
295	20.757	20.658	20.772	VV	2439	163534	3.74%	1.198%
296	20.804	20.772	20.824	VV	2361	72534	1.66%	0.531%
297	20.859	20.824	20.884	VV	2275	80407	1.84%	0.589%
298	20.933	20.884	20.974	VV	2305	115413	2.64%	0.845%
299	21.002	20.974	21.055	VV	2117	98134	2.24%	0.719%

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300	21.135	21.055	21.147	VV	1976	106904	2.44%	0.783%
301	21.241	21.147	21.368	VV	2962	305139	6.97%	2.235%
302	21.370	21.368	21.387	VV	1760	19067	0.44%	0.140%
303	21.463	21.387	21.561	VV	2705	188139	4.30%	1.378%
304	21.571	21.561	21.595	VV	1316	25627	0.59%	0.188%
305	21.606	21.595	21.624	VV	1234	20882	0.48%	0.153%
306	21.645	21.624	21.664	VV	1223	27429	0.63%	0.201%
307	21.673	21.664	21.681	VV	1092	10982	0.25%	0.080%
308	21.721	21.681	21.734	VV	1046	32179	0.74%	0.236%
309	21.749	21.734	21.809	VV	927	38207	0.87%	0.280%
310	21.813	21.809	21.835	VV	777	10829	0.25%	0.079%
311	21.907	21.835	21.952	VV	599	39595	0.91%	0.290%
312	21.982	21.952	22.006	VV	460	13645	0.31%	0.100%
313	22.025	22.006	22.076	VV	378	12863	0.29%	0.094%
314	22.106	22.076	22.138	VV	267	7526	0.17%	0.055%
315	22.149	22.138	22.191	VV	156	2508	0.06%	0.018%

Sum of corrected areas: 13654506

Aliphatic EPH 030625.M Tue Mar 11 13:53:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049184.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 11:11
Operator : YP/AJ
Sample : Q1514-07
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-105-GW01

Integration File: autoint1.e
Quant Time: Mar 11 13:59:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
Quant Title : GC Extractables
QLast Update : Mon Mar 10 10:50:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.350	9009388	59.250 ug/ml
Spiked Amount 50.000		Recovery = 118.50%	
6) S 2-Flurobiphenyl (SURR)	8.199	5352755	67.205 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 134.41%#	
11) S ortho-Terphenyl (SURR)	11.276	8081910	46.234 ug/ml
Spiked Amount 50.000		Recovery = 92.47%	
Target Compounds			

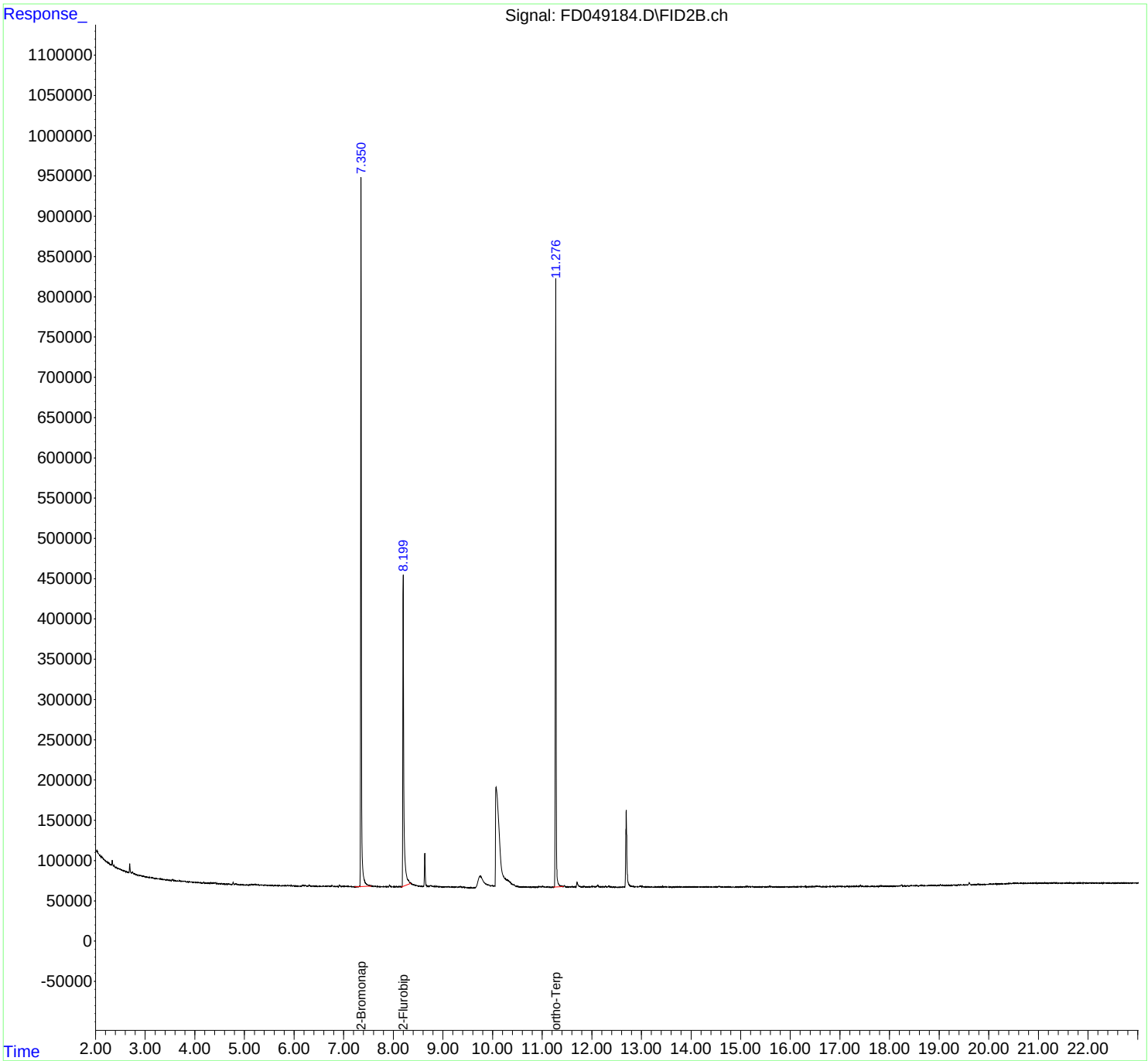
(f)=RT Delta > 1/2 Window (m)=manual int.

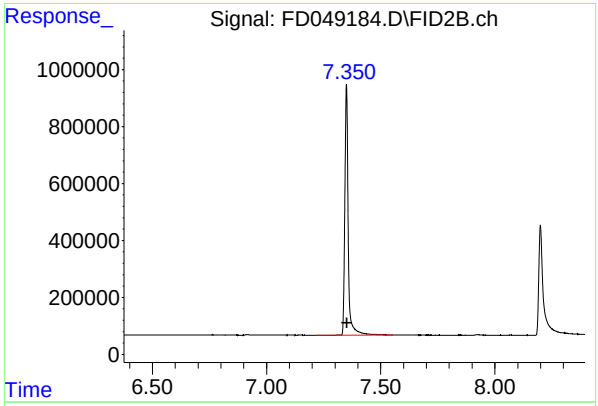
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049184.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 11:11
Operator : YP/AJ
Sample : Q1514-07
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-105-GW01

Integration File: autoint1.e
Quant Time: Mar 11 13:59:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
Quant Title : GC Extractables
QLast Update : Mon Mar 10 10:50:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

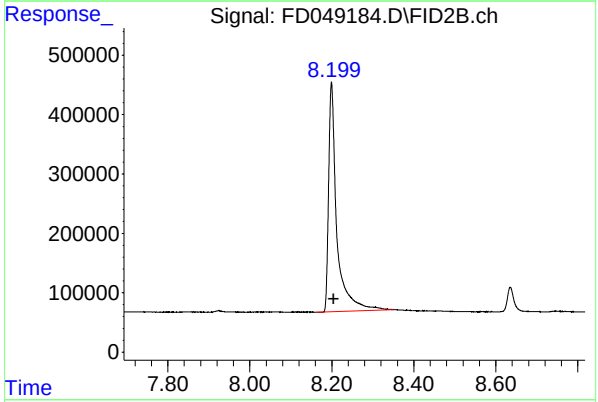




#4 2-Bromonaphthalene (SURR)

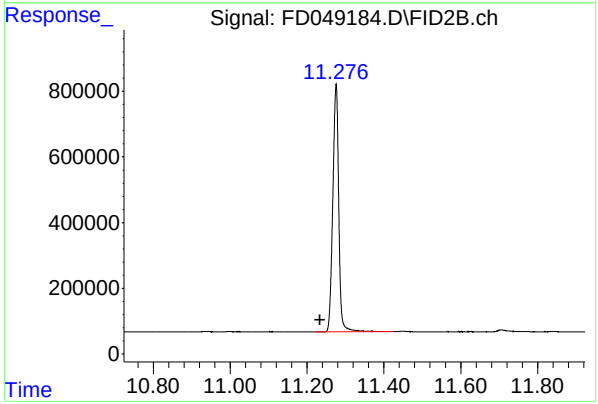
R.T.: 7.350 min
Delta R.T.: -0.002 min
Response: 9009388
Conc: 59.25 ug/ml

Instrument :
FID_D
ClientSampleId :
ENV-105-GW01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.199 min
Delta R.T.: -0.006 min
Response: 5352755
Conc: 67.20 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.276 min
Delta R.T.: 0.043 min
Response: 8081910
Conc: 46.23 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049184.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 11:11
Sample : Q1514-07
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.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	4.064	4.042	4.080	BV	272	1629	0.02%	0.004%
2	4.086	4.080	4.130	PV	152	2865	0.03%	0.007%
3	4.134	4.130	4.153	VV	403	1531	0.02%	0.004%
4	4.182	4.160	4.235	VV	679	14241	0.16%	0.036%
5	4.246	4.235	4.262	VV	529	5272	0.06%	0.013%
6	4.265	4.262	4.280	VV	399	2311	0.03%	0.006%
7	4.294	4.280	4.303	PV	235	1814	0.02%	0.005%
8	4.325	4.303	4.364	VV	1062	18683	0.20%	0.047%
9	4.378	4.364	4.391	VV	961	11169	0.12%	0.028%
10	4.409	4.391	4.454	VV	1257	25713	0.28%	0.065%
11	4.458	4.454	4.501	VV	304	5057	0.06%	0.013%
12	4.516	4.508	4.570	VV	496	9944	0.11%	0.025%
13	4.585	4.570	4.632	VV	731	8844	0.10%	0.022%
14	4.638	4.632	4.656	VV	251	2600	0.03%	0.007%
15	4.662	4.656	4.678	VV	280	1734	0.02%	0.004%
16	4.697	4.678	4.714	VV	356	5039	0.06%	0.013%
17	4.720	4.714	4.751	VV	424	3218	0.04%	0.008%
18	4.772	4.751	4.797	PV	3002	38732	0.42%	0.098%
19	4.804	4.797	4.814	VV	722	6598	0.07%	0.017%
20	4.828	4.814	4.878	VV	904	19566	0.21%	0.050%
21	4.882	4.878	4.889	VV	314	1690	0.02%	0.004%
22	4.899	4.889	4.921	VV	309	3924	0.04%	0.010%
23	4.929	4.921	4.945	VV	247	2274	0.02%	0.006%
24	4.949	4.945	4.965	VV	217	1773	0.02%	0.004%
25	4.969	4.965	4.986	VV	213	1280	0.01%	0.003%
26	5.018	5.000	5.030	VV	176	1788	0.02%	0.005%
27	5.046	5.030	5.057	VV	159	1326	0.01%	0.003%
28	5.067	5.057	5.084	VV	323	2383	0.03%	0.006%
29	5.089	5.084	5.093	VV	279	1147	0.01%	0.003%
30	5.096	5.093	5.113	VV	309	1721	0.02%	0.004%
31	5.142	5.113	5.148	VV	753	12241	0.13%	0.031%
32	5.150	5.148	5.154	VV	824	2336	0.03%	0.006%
33	5.158	5.154	5.188	VV	702	13187	0.14%	0.033%
34	5.221	5.188	5.258	VV	1525	37403	0.41%	0.095%
35	5.272	5.258	5.308	VV	760	12846	0.14%	0.033%
36	5.314	5.308	5.328	VV	290	3458	0.04%	0.009%

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37	5.341	5.328	5.346	VV	580	4522	0.05%	0.011%
38	5.358	5.346	5.395	VV	605	11003	0.12%	0.028%
39	5.402	5.395	5.418	VV	360	3530	0.04%	0.009%
40	5.421	5.418	5.432	VV	258	1706	0.02%	0.004%
41	5.438	5.432	5.465	VV	299	4611	0.05%	0.012%
42	5.468	5.465	5.484	VV	260	2583	0.03%	0.007%
43	5.488	5.484	5.505	VV	299	2810	0.03%	0.007%
44	5.523	5.505	5.535	VV	310	4396	0.05%	0.011%
45	5.546	5.542	5.560	VV	208	1745	0.02%	0.004%
46	5.573	5.560	5.584	VV	284	2191	0.02%	0.006%
47	5.612	5.593	5.622	VV	252	2656	0.03%	0.007%
48	5.625	5.622	5.630	VV	343	1374	0.02%	0.003%
49	5.634	5.630	5.639	VV	390	1686	0.02%	0.004%
50	5.644	5.639	5.688	VV	418	6227	0.07%	0.016%
51	5.691	5.688	5.713	VV	296	2309	0.03%	0.006%
52	5.718	5.713	5.747	VV	168	1529	0.02%	0.004%
53	5.759	5.747	5.773	VV	362	3115	0.03%	0.008%
54	5.782	5.773	5.787	VV	372	2330	0.03%	0.006%
55	5.793	5.787	5.805	VV	409	3544	0.04%	0.009%
56	5.811	5.805	5.816	VV	312	1660	0.02%	0.004%
57	5.834	5.816	5.852	VV	627	10225	0.11%	0.026%
58	5.866	5.852	5.888	VV	1116	15636	0.17%	0.040%
59	5.899	5.888	5.910	VV	666	7468	0.08%	0.019%
60	5.926	5.910	5.938	VV	695	10358	0.11%	0.026%
61	5.943	5.938	5.950	VV	858	4779	0.05%	0.012%
62	5.952	5.950	5.990	VV	753	11003	0.12%	0.028%
63	6.001	5.990	6.018	VV	481	4921	0.05%	0.012%
64	6.025	6.018	6.038	VV	393	3447	0.04%	0.009%
65	6.053	6.038	6.070	PV	376	4126	0.05%	0.010%
66	6.076	6.070	6.095	VV	279	3137	0.03%	0.008%
67	6.100	6.095	6.111	VV	364	2959	0.03%	0.007%
68	6.116	6.111	6.128	VV	370	2869	0.03%	0.007%
69	6.136	6.128	6.145	VV	374	2363	0.03%	0.006%
70	6.176	6.145	6.208	VV	1321	31769	0.35%	0.080%
71	6.228	6.208	6.262	VV	1129	22637	0.25%	0.057%
72	6.275	6.262	6.283	VV	708	7615	0.08%	0.019%
73	6.285	6.283	6.290	VV	640	2276	0.02%	0.006%
74	6.306	6.290	6.367	VV	1205	29160	0.32%	0.074%
75	6.386	6.367	6.392	VV	739	7986	0.09%	0.020%
76	6.396	6.392	6.405	VV	483	2863	0.03%	0.007%
77	6.409	6.405	6.460	VV	335	9388	0.10%	0.024%
78	6.465	6.460	6.482	VV	386	3081	0.03%	0.008%
79	6.489	6.482	6.503	VV	258	2323	0.03%	0.006%
80	6.512	6.503	6.545	VV	364	5105	0.06%	0.013%
81	6.551	6.545	6.557	VV	328	1490	0.02%	0.004%
82	6.585	6.557	6.616	VV	674	13013	0.14%	0.033%
83	6.642	6.616	6.655	VV	662	10015	0.11%	0.025%
84	6.685	6.655	6.710	VV	990	21777	0.24%	0.055%
85	6.719	6.710	6.738	VV	657	8981	0.10%	0.023%
86	6.762	6.738	6.808	VV	1276	26908	0.29%	0.068%
87	6.831	6.808	6.837	VV	475	6123	0.07%	0.016%
88	6.838	6.837	6.843	VV	426	1328	0.01%	0.003%
89	6.851	6.843	6.865	VV	430	4965	0.05%	0.013%

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90	6.867	6.865	6.892	VV	359	2715	0.03%	0.007%
91	6.915	6.892	6.942	VV	2295	30010	0.33%	0.076%
92	6.946	6.942	6.957	VV	519	3504	0.04%	0.009%
93	6.960	6.957	6.975	VV	426	4030	0.04%	0.010%
94	6.992	6.975	7.005	VV	748	10591	0.12%	0.027%
95	7.010	7.005	7.019	VV	651	4170	0.05%	0.011%
96	7.030	7.019	7.060	VV	718	14059	0.15%	0.036%
97	7.073	7.060	7.079	VV	881	7850	0.09%	0.020%
98	7.083	7.079	7.089	VV	633	2773	0.03%	0.007%
99	7.117	7.089	7.133	VV	685	13449	0.15%	0.034%
100	7.150	7.133	7.172	VV	728	9636	0.11%	0.024%
101	7.176	7.172	7.183	VV	320	1531	0.02%	0.004%
102	7.190	7.183	7.213	VV	280	1701	0.02%	0.004%
103	7.270	7.246	7.276	VV	387	3481	0.04%	0.009%
104	7.280	7.276	7.289	VV	321	1511	0.02%	0.004%
105	7.318	7.289	7.327	VV	981	12852	0.14%	0.033%
106	7.350	7.327	7.535	VV	880172	9122926	100.00%	23.099%
107	7.537	7.535	7.579	VV	1694	38391	0.42%	0.097%
108	7.584	7.579	7.617	VV	1360	25020	0.27%	0.063%
109	7.634	7.617	7.658	VV	1210	26105	0.29%	0.066%
110	7.660	7.658	7.675	VV	1038	8138	0.09%	0.021%
111	7.683	7.675	7.711	VV	1105	18003	0.20%	0.046%
112	7.714	7.711	7.744	VV	791	14022	0.15%	0.036%
113	7.756	7.744	7.778	VV	764	13635	0.15%	0.035%
114	7.782	7.778	7.797	VV	578	6194	0.07%	0.016%
115	7.803	7.797	7.825	VV	727	10412	0.11%	0.026%
116	7.841	7.825	7.865	VV	948	18362	0.20%	0.046%
117	7.870	7.865	7.903	VV	933	14955	0.16%	0.038%
118	7.924	7.903	7.947	VV	2962	43588	0.48%	0.110%
119	7.952	7.947	7.973	VV	1139	14184	0.16%	0.036%
120	7.976	7.973	8.000	VV	790	10702	0.12%	0.027%
121	8.024	8.000	8.054	VV	992	26539	0.29%	0.067%
122	8.068	8.054	8.095	VV	1129	21094	0.23%	0.053%
123	8.113	8.095	8.129	VV	979	16040	0.18%	0.041%
124	8.143	8.129	8.168	VV	1050	19181	0.21%	0.049%
125	8.199	8.168	8.418	VV	386935	5849062	64.11%	14.810%
126	8.423	8.418	8.452	VV	3161	61337	0.67%	0.155%
127	8.461	8.452	8.502	VV	3016	75167	0.82%	0.190%
128	8.519	8.502	8.550	VV	2178	55949	0.61%	0.142%
129	8.569	8.550	8.599	VV	1847	49321	0.54%	0.125%
130	8.636	8.599	8.685	VV	43031	547418	6.00%	1.386%
131	8.690	8.685	8.723	VV	2206	42017	0.46%	0.106%
132	8.745	8.723	8.811	VV	2998	110299	1.21%	0.279%
133	8.826	8.811	8.832	VV	1776	21241	0.23%	0.054%
134	8.836	8.832	8.857	VV	1892	22465	0.25%	0.057%
135	8.877	8.857	8.893	VV	1774	34029	0.37%	0.086%
136	8.901	8.893	8.908	VV	1730	14609	0.16%	0.037%
137	8.911	8.908	8.938	VV	1687	26875	0.29%	0.068%
138	8.945	8.938	8.957	VV	1504	15624	0.17%	0.040%
139	8.959	8.957	8.965	VV	1374	6513	0.07%	0.016%
140	8.970	8.965	9.006	VV	1377	30661	0.34%	0.078%
141	9.025	9.006	9.035	VV	1390	21802	0.24%	0.055%

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142	9.045	9.035	9.065	VV	1509	24750	0.27%	0.063%
143	9.070	9.065	9.080	VV	1463	12213	0.13%	0.031%
144	9.097	9.080	9.151	VV	1740	59103	0.65%	0.150%
145	9.156	9.151	9.163	VV	1145	7958	0.09%	0.020%
146	9.185	9.163	9.198	VV	1400	24805	0.27%	0.063%
147	9.211	9.198	9.218	VV	1236	13853	0.15%	0.035%
148	9.222	9.218	9.241	VV	1196	14921	0.16%	0.038%
149	9.261	9.241	9.277	VV	1429	26952	0.30%	0.068%
150	9.283	9.277	9.297	VV	1348	14759	0.16%	0.037%
151	9.346	9.297	9.376	VV	1977	68374	0.75%	0.173%
152	9.382	9.376	9.393	VV	1328	12971	0.14%	0.033%
153	9.396	9.393	9.403	VV	1354	7307	0.08%	0.019%
154	9.408	9.403	9.466	VV	1304	38545	0.42%	0.098%
155	9.472	9.466	9.506	VV	857	16974	0.19%	0.043%
156	9.510	9.506	9.533	VV	587	6862	0.08%	0.017%
157	9.546	9.533	9.555	PV	612	6075	0.07%	0.015%
158	9.566	9.555	9.575	VV	608	6913	0.08%	0.018%
159	9.580	9.575	9.603	VV	627	7925	0.09%	0.020%
160	9.613	9.603	9.628	VV	466	5976	0.07%	0.015%
161	9.638	9.628	9.650	VV	644	7459	0.08%	0.019%
162	9.746	9.650	9.953	VV	14873	1326702	14.54%	3.359%
163	9.962	9.953	9.980	VV	3155	48409	0.53%	0.123%
164	9.985	9.980	9.993	VV	3051	23378	0.26%	0.059%
165	9.997	9.993	10.047	VV	2902	86082	0.94%	0.218%
166	10.071	10.047	10.420	VV	125140	7478751	81.98%	18.936%
167	10.432	10.420	10.515	VV	4264	152577	1.67%	0.386%
168	10.524	10.515	10.555	VV	1832	36491	0.40%	0.092%
169	10.559	10.555	10.566	VV	1362	9046	0.10%	0.023%
170	10.595	10.566	10.601	VV	1483	28656	0.31%	0.073%
171	10.605	10.601	10.610	VV	1410	7787	0.09%	0.020%
172	10.623	10.610	10.647	VV	1493	28477	0.31%	0.072%
173	10.662	10.647	10.675	VV	1444	22103	0.24%	0.056%
174	10.679	10.675	10.687	VV	1211	8402	0.09%	0.021%
175	10.697	10.687	10.707	VV	1271	14538	0.16%	0.037%
176	10.723	10.707	10.749	VV	1532	32550	0.36%	0.082%
177	10.754	10.749	10.768	VV	1118	12231	0.13%	0.031%
178	10.773	10.768	10.787	VV	1267	12901	0.14%	0.033%
179	10.794	10.787	10.805	VV	1124	11056	0.12%	0.028%
180	10.812	10.805	10.825	VV	1255	12770	0.14%	0.032%
181	10.832	10.825	10.837	VV	1165	7635	0.08%	0.019%
182	10.848	10.837	10.853	VV	1054	9648	0.11%	0.024%
183	10.860	10.853	10.865	VV	1131	6847	0.08%	0.017%
184	10.872	10.865	10.878	VV	1007	7950	0.09%	0.020%
185	10.890	10.878	10.905	VV	1157	15932	0.17%	0.040%
186	10.936	10.905	10.961	VV	2329	50793	0.56%	0.129%
187	10.967	10.961	10.985	VV	1390	18892	0.21%	0.048%
188	10.998	10.985	11.015	VV	1874	28445	0.31%	0.072%
189	11.019	11.015	11.050	VV	1500	28328	0.31%	0.072%
190	11.060	11.050	11.087	VV	1266	23959	0.26%	0.061%
191	11.108	11.087	11.137	VV	1499	35229	0.39%	0.089%
192	11.142	11.137	11.172	VV	1046	20545	0.23%	0.052%
193	11.177	11.172	11.183	VV	998	6723	0.07%	0.017%
194	11.187	11.183	11.195	VV	1048	6862	0.08%	0.017%

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195	11.200	11.195	11.209	VV	981	7714	0.08%	0.020%
196	11.215	11.209	11.243	VV	1044	17854	0.20%	0.045%
197	11.276	11.243	11.409	VV	753971	8202109	89.91%	20.767%
198	11.418	11.409	11.424	VV	1741	14139	0.15%	0.036%
199	11.448	11.424	11.516	VV	3070	91819	1.01%	0.232%
200	11.531	11.516	11.545	VV	1217	19549	0.21%	0.049%
201	11.553	11.545	11.559	VV	1312	10271	0.11%	0.026%
202	11.609	11.559	11.613	VV	1376	40213	0.44%	0.102%
203	11.627	11.613	11.646	VV	1423	25354	0.28%	0.064%
204	11.667	11.646	11.680	VV	1348	22079	0.24%	0.056%
205	11.705	11.680	11.796	VV	6986	185783	2.04%	0.470%
206	11.802	11.796	11.811	VV	1177	9880	0.11%	0.025%
207	11.843	11.811	11.874	VV	1597	48348	0.53%	0.122%
208	11.879	11.874	11.903	VV	972	16463	0.18%	0.042%
209	11.920	11.903	11.933	VV	1076	18474	0.20%	0.047%
210	11.942	11.933	11.953	VV	1353	13798	0.15%	0.035%
211	11.957	11.953	11.968	VV	1070	8983	0.10%	0.023%
212	12.009	11.968	12.023	VV	1558	43070	0.47%	0.109%
213	12.028	12.023	12.063	VV	1634	33628	0.37%	0.085%
214	12.075	12.063	12.083	VV	1340	14817	0.16%	0.038%
215	12.123	12.083	12.169	VV	3184	87939	0.96%	0.223%
216	12.182	12.169	12.207	VV	1275	25046	0.27%	0.063%
217	12.222	12.207	12.236	VV	1424	20256	0.22%	0.051%
218	12.245	12.236	12.250	VV	870	6858	0.08%	0.017%
219	12.271	12.250	12.296	VV	1828	35510	0.39%	0.090%
220	12.305	12.296	12.320	VV	1034	12931	0.14%	0.033%
221	12.344	12.320	12.386	VV	2107	50076	0.55%	0.127%
222	12.390	12.386	12.399	VV	923	6296	0.07%	0.016%
223	12.404	12.399	12.418	VV	834	8507	0.09%	0.022%
224	12.425	12.418	12.444	VV	742	10373	0.11%	0.026%
225	12.452	12.444	12.458	VV	718	5297	0.06%	0.013%
226	12.463	12.458	12.467	VV	669	3466	0.04%	0.009%
227	12.470	12.467	12.477	VV	674	3506	0.04%	0.009%
228	12.487	12.477	12.497	VV	596	6318	0.07%	0.016%
229	12.504	12.497	12.516	VV	758	7345	0.08%	0.019%
230	12.519	12.516	12.523	VV	667	2817	0.03%	0.007%
231	12.544	12.523	12.552	VV	809	11727	0.13%	0.030%
232	12.559	12.552	12.573	VV	790	8352	0.09%	0.021%
233	12.577	12.573	12.597	VV	711	9218	0.10%	0.023%
234	12.608	12.597	12.614	VV	767	7075	0.08%	0.018%
235	12.695	12.614	12.784	VV	96046	1562923	17.13%	3.957%
236	12.791	12.784	12.857	VV	1971	65031	0.71%	0.165%
237	12.862	12.857	12.866	VV	1127	5537	0.06%	0.014%
238	12.877	12.866	12.902	VV	1124	21464	0.24%	0.054%
239	12.926	12.902	12.934	VV	1127	18859	0.21%	0.048%
240	12.938	12.934	12.948	VV	1007	7993	0.09%	0.020%
241	12.975	12.948	13.040	VV	1896	74242	0.81%	0.188%
242	13.050	13.040	13.096	VV	1026	29878	0.33%	0.076%
243	13.101	13.096	13.112	VV	892	7938	0.09%	0.020%
244	13.114	13.112	13.119	VV	906	3508	0.04%	0.009%
245	13.135	13.119	13.166	VV	1027	23022	0.25%	0.058%
246	13.172	13.166	13.177	VV	645	4002	0.04%	0.010%

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247	13.184	13.177	13.187	VV	669	4090	0.04%	0.010%
248	13.193	13.187	13.205	VV	765	6389	0.07%	0.016%
249	13.219	13.205	13.242	VV	657	12258	0.13%	0.031%
250	13.270	13.242	13.275	VV	703	11787	0.13%	0.030%
251	13.306	13.275	13.342	VV	891	30407	0.33%	0.077%
252	13.348	13.342	13.355	VV	811	5733	0.06%	0.015%
253	13.374	13.355	13.386	VV	811	13885	0.15%	0.035%
254	13.419	13.386	13.447	VV	1151	28299	0.31%	0.072%
255	13.475	13.447	13.519	VV	1182	37595	0.41%	0.095%
256	13.524	13.519	13.536	VV	608	5033	0.06%	0.013%
257	13.542	13.536	13.549	VV	464	3418	0.04%	0.009%
258	13.561	13.549	13.568	VV	682	5526	0.06%	0.014%
259	13.577	13.568	13.598	VV	568	7153	0.08%	0.018%
260	13.609	13.598	13.615	VV	567	4098	0.04%	0.010%
261	13.617	13.615	13.623	VV	464	1729	0.02%	0.004%
262	13.637	13.623	13.658	VV	628	9610	0.11%	0.024%
263	13.697	13.658	13.703	VV	634	13267	0.15%	0.034%
264	13.706	13.703	13.717	VV	651	4518	0.05%	0.011%
265	13.725	13.717	13.733	VV	630	5151	0.06%	0.013%
266	13.736	13.733	13.739	VV	598	1706	0.02%	0.004%
267	13.744	13.739	13.762	VV	609	7491	0.08%	0.019%
268	13.767	13.762	13.773	VV	573	3698	0.04%	0.009%
269	13.778	13.773	13.783	VV	677	3331	0.04%	0.008%
270	13.790	13.783	13.818	VV	594	9513	0.10%	0.024%
271	13.824	13.818	13.833	VV	508	4138	0.05%	0.010%
272	13.841	13.833	13.847	VV	581	3725	0.04%	0.009%
273	13.852	13.847	13.857	VV	602	3472	0.04%	0.009%
274	13.865	13.857	13.873	VV	606	5204	0.06%	0.013%
275	13.894	13.873	13.922	VV	663	16534	0.18%	0.042%
276	13.929	13.922	13.939	VV	646	5728	0.06%	0.015%
277	13.942	13.939	13.958	VV	611	5823	0.06%	0.015%
278	13.966	13.958	13.972	VV	575	4044	0.04%	0.010%
279	13.976	13.972	13.982	VV	585	3321	0.04%	0.008%
280	13.991	13.982	14.009	VV	676	9612	0.11%	0.024%
281	14.013	14.009	14.020	VV	662	3821	0.04%	0.010%
282	14.034	14.020	14.065	VV	621	13909	0.15%	0.035%
283	14.070	14.065	14.077	VV	547	3210	0.04%	0.008%
284	14.105	14.077	14.112	VV	712	12446	0.14%	0.032%
285	14.118	14.112	14.134	VV	702	7561	0.08%	0.019%
286	14.145	14.134	14.162	VV	763	10516	0.12%	0.027%
287	14.166	14.162	14.176	VV	665	4943	0.05%	0.013%
288	14.199	14.176	14.228	VV	770	16739	0.18%	0.042%
289	14.234	14.228	14.241	VV	512	3076	0.03%	0.008%
290	14.260	14.241	14.269	VV	506	7353	0.08%	0.019%
291	14.283	14.269	14.289	VV	572	5347	0.06%	0.014%
292	14.301	14.289	14.307	VV	781	6249	0.07%	0.016%
293	14.312	14.307	14.322	VV	640	4655	0.05%	0.012%
294	14.331	14.322	14.337	VV	605	4474	0.05%	0.011%
295	14.341	14.337	14.362	VV	693	7814	0.09%	0.020%
296	14.366	14.362	14.384	VV	462	4718	0.05%	0.012%
297	14.393	14.384	14.405	VV	523	5090	0.06%	0.013%
298	14.409	14.405	14.418	VV	443	2849	0.03%	0.007%
299	14.426	14.418	14.446	VV	448	5217	0.06%	0.013%

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300	14.456	14.446	14.459	VV	369	2403	0.03%	0.006%
301	14.485	14.459	14.492	VV	484	7302	0.08%	0.018%
302	14.495	14.492	14.506	VV	461	3202	0.04%	0.008%
303	14.537	14.506	14.541	VV	721	10860	0.12%	0.027%
304	14.567	14.541	14.601	VV	1083	26811	0.29%	0.068%
305	14.607	14.601	14.622	VV	528	5082	0.06%	0.013%
306	14.638	14.622	14.650	VV	501	6198	0.07%	0.016%
307	14.671	14.650	14.677	VV	414	5230	0.06%	0.013%
308	14.691	14.677	14.715	VV	517	9133	0.10%	0.023%
309	14.718	14.715	14.735	VV	433	3800	0.04%	0.010%
310	14.738	14.735	14.747	VV	376	1996	0.02%	0.005%
311	14.769	14.747	14.775	VV	368	4558	0.05%	0.012%
312	14.783	14.775	14.795	VV	343	3201	0.04%	0.008%
313	14.803	14.795	14.815	VV	294	2626	0.03%	0.007%
314	14.820	14.815	14.830	VV	257	1670	0.02%	0.004%
315	14.839	14.830	14.845	VV	284	1746	0.02%	0.004%
316	14.848	14.845	14.855	VV	313	1199	0.01%	0.003%
317	14.883	14.862	14.895	VV	246	3045	0.03%	0.008%
318	14.906	14.895	14.913	VV	213	1435	0.02%	0.004%
319	14.938	14.913	14.943	VV	323	3609	0.04%	0.009%
320	14.949	14.943	14.957	VV	344	2068	0.02%	0.005%
321	14.972	14.957	14.983	VV	368	3516	0.04%	0.009%
322	15.021	14.983	15.041	VV	411	10873	0.12%	0.028%
323	15.059	15.041	15.069	VV	591	6785	0.07%	0.017%
324	15.077	15.069	15.087	VV	496	4646	0.05%	0.012%
325	15.123	15.087	15.157	VV	1039	26835	0.29%	0.068%
326	15.161	15.157	15.190	VV	548	8510	0.09%	0.022%
327	15.198	15.190	15.202	VV	454	2593	0.03%	0.007%
328	15.206	15.202	15.246	VV	570	11856	0.13%	0.030%
329	15.252	15.246	15.299	VV	510	11394	0.12%	0.029%
330	15.304	15.299	15.311	VV	365	2120	0.02%	0.005%
331	15.320	15.311	15.332	VV	472	4007	0.04%	0.010%
332	15.341	15.332	15.356	VV	347	4181	0.05%	0.011%
333	15.375	15.356	15.380	VV	446	4521	0.05%	0.011%
334	15.397	15.380	15.411	VV	497	6280	0.07%	0.016%
335	15.417	15.411	15.436	VV	342	4390	0.05%	0.011%
336	15.439	15.436	15.443	VV	323	1246	0.01%	0.003%
337	15.447	15.443	15.463	VV	387	3905	0.04%	0.010%
338	15.466	15.463	15.480	VV	383	3366	0.04%	0.009%
339	15.488	15.480	15.513	VV	364	4338	0.05%	0.011%
340	15.519	15.513	15.523	VV	332	1148	0.01%	0.003%
341	15.528	15.523	15.538	VV	235	1418	0.02%	0.004%
342	15.554	15.538	15.568	VV	517	6548	0.07%	0.017%
343	15.589	15.568	15.647	VV	812	22941	0.25%	0.058%
344	15.653	15.647	15.667	VV	292	2102	0.02%	0.005%
345	15.696	15.667	15.707	VV	323	5729	0.06%	0.015%
346	15.762	15.707	15.792	VV	312	8158	0.09%	0.021%
347	15.797	15.792	15.827	VV	183	2255	0.02%	0.006%
348	15.870	15.827	15.885	PV	285	3322	0.04%	0.008%
349	15.937	15.885	15.960	VV	328	8163	0.09%	0.021%
350	15.973	15.960	15.988	VV	274	2726	0.03%	0.007%
351	15.995	15.988	16.003	VV	93	1103	0.01%	0.003%

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352	16.016	16.003	16.028	VV	287	2263	0.02%	0.006%
353	16.047	16.028	16.058	VV	269	3632	0.04%	0.009%
354	16.080	16.058	16.112	VV	393	8167	0.09%	0.021%
355	16.129	16.112	16.182	PV	260	7485	0.08%	0.019%
356	16.238	16.182	16.267	VV	506	18013	0.20%	0.046%
357	16.273	16.267	16.297	VV	448	5685	0.06%	0.014%
358	16.309	16.297	16.323	VV	370	4292	0.05%	0.011%
359	16.344	16.323	16.385	VV	387	10400	0.11%	0.026%
360	16.409	16.385	16.462	VV	498	15971	0.18%	0.040%
361	16.526	16.462	16.555	VV	999	29646	0.32%	0.075%
362	16.574	16.555	16.643	VV	664	20760	0.23%	0.053%
363	16.672	16.643	16.698	VV	382	8362	0.09%	0.021%
364	16.705	16.698	16.731	VV	276	3585	0.04%	0.009%
365	16.764	16.731	16.773	VV	343	5792	0.06%	0.015%
366	16.790	16.773	16.802	VV	422	4966	0.05%	0.013%
367	16.820	16.802	16.832	VV	347	5353	0.06%	0.014%
368	16.849	16.832	16.860	VV	445	5372	0.06%	0.014%
369	16.868	16.860	16.917	VV	413	9558	0.10%	0.024%
370	16.934	16.917	16.945	VV	373	4430	0.05%	0.011%
371	16.978	16.945	17.027	VV	843	23619	0.26%	0.060%
372	17.052	17.027	17.077	VV	460	9200	0.10%	0.023%
373	17.081	17.077	17.098	VV	297	2278	0.02%	0.006%
374	17.116	17.098	17.132	VV	376	5220	0.06%	0.013%
375	17.139	17.132	17.154	VV	411	4004	0.04%	0.010%
376	17.163	17.154	17.185	VV	349	5152	0.06%	0.013%
377	17.201	17.185	17.217	VV	387	3761	0.04%	0.010%
378	17.260	17.217	17.269	VV	429	8541	0.09%	0.022%
379	17.301	17.269	17.313	VV	503	7929	0.09%	0.020%
380	17.318	17.313	17.327	VV	390	2122	0.02%	0.005%
381	17.333	17.327	17.350	VV	400	3682	0.04%	0.009%
382	17.412	17.350	17.518	VV	1479	49990	0.55%	0.127%
383	17.550	17.518	17.605	VV	463	15018	0.16%	0.038%
384	17.610	17.605	17.621	VV	244	1700	0.02%	0.004%
385	17.656	17.621	17.707	VV	458	14143	0.16%	0.036%
386	17.718	17.707	17.765	VV	315	5380	0.06%	0.014%
387	17.829	17.765	17.872	PV	1069	30213	0.33%	0.076%
388	17.880	17.872	17.918	VV	427	8387	0.09%	0.021%
389	17.929	17.918	17.940	VV	302	3360	0.04%	0.009%
390	17.985	17.940	18.013	VV	395	10731	0.12%	0.027%
391	18.082	18.013	18.112	PV	396	12091	0.13%	0.031%
392	18.141	18.112	18.148	VV	412	5531	0.06%	0.014%
393	18.155	18.148	18.175	VV	350	3779	0.04%	0.010%
394	18.237	18.175	18.293	VV	1330	39441	0.43%	0.100%
395	18.363	18.293	18.403	VV	572	18035	0.20%	0.046%
396	18.490	18.403	18.525	VV	779	33888	0.37%	0.086%
397	18.539	18.525	18.588	VV	444	10214	0.11%	0.026%
398	18.638	18.588	18.676	PV	878	22296	0.24%	0.056%
399	18.683	18.676	18.710	VV	301	2663	0.03%	0.007%

Sum of corrected areas: 39495268

Aromatic EPH 030725.M Tue Mar 11 14:13:57 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068395.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 11:48
Operator : YP/AJ
Sample : Q1514-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
ENV-103-GW01

Integration File: autoint1.e
Quant Time: Mar 11 13:42:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Quant Title : GC Extractables
QLast Update : Thu Mar 06 12:39:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.832	3889203	33.579 ug/ml
Spiked Amount 50.000		Recovery = 67.16%	
Target Compounds			

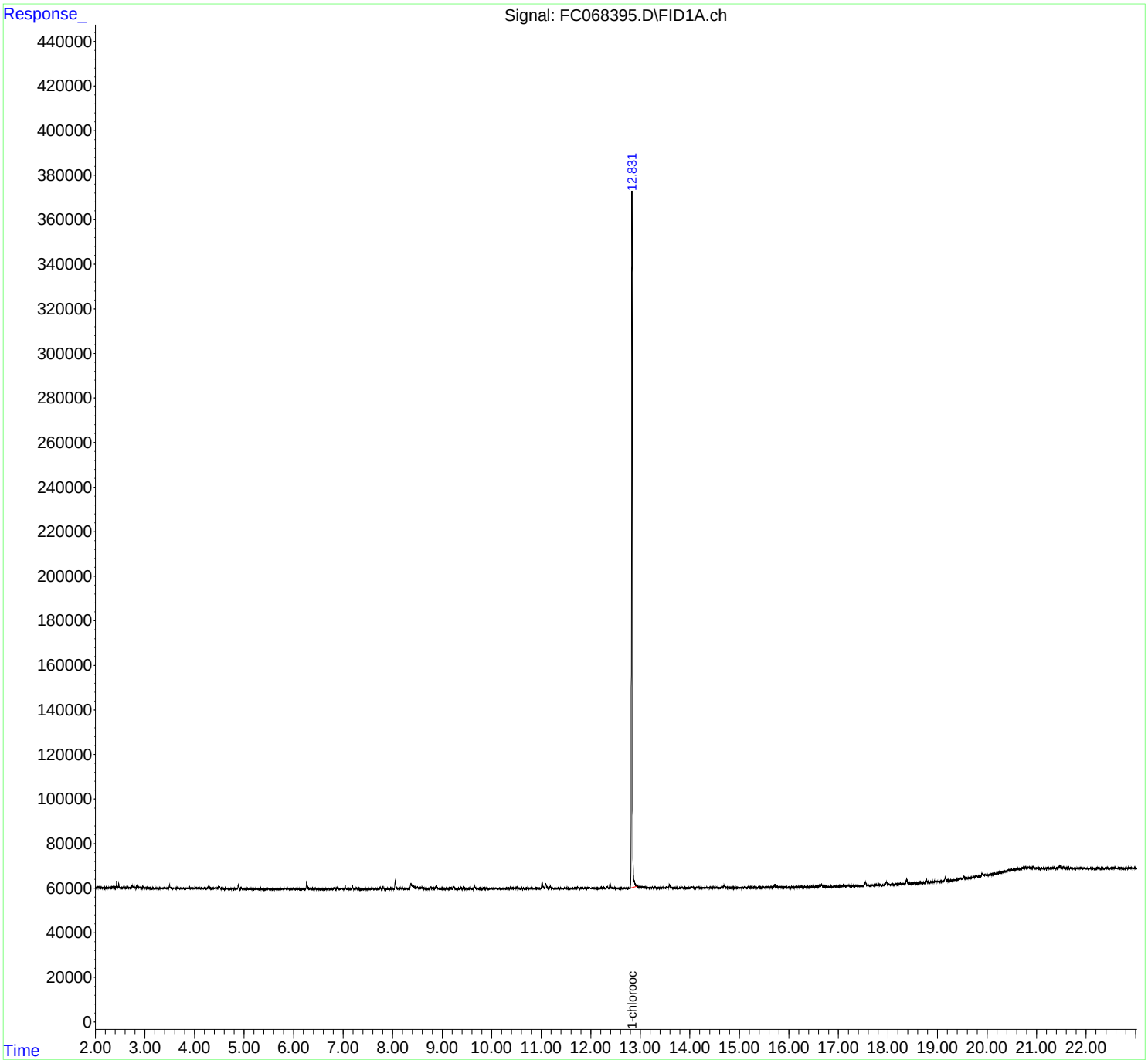
(f)=RT Delta > 1/2 Window (m)=manual int.

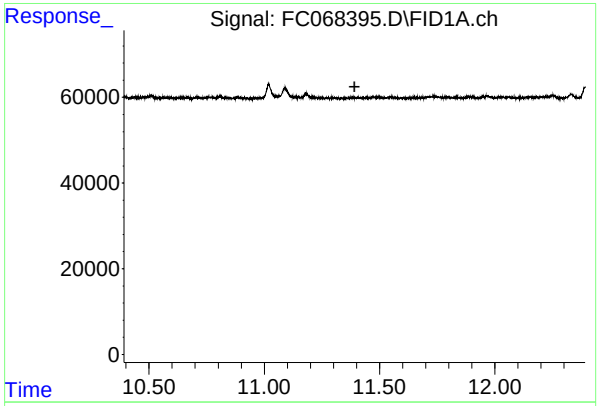
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068395.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 11:48
Operator : YP/AJ
Sample : Q1514-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
ENV-103-GW01

Integration File: autoint1.e
Quant Time: Mar 11 13:42:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Quant Title : GC Extractables
QLast Update : Thu Mar 06 12:39:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

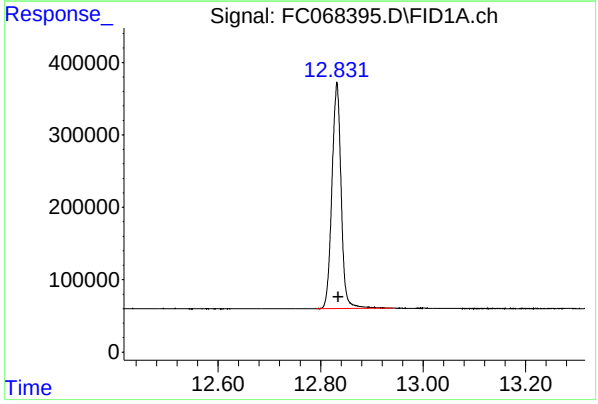




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.391 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
ENV-103-GW01



#12 1-chlorooctadecane (SURR)

R.T.: 12.832 min
Delta R.T.: -0.003 min
Response: 3889203
Conc: 33.58 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068395.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 11:48
Sample : Q1514-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.320	2.305	2.331	BV	120	1246	0.03%	0.014%
2	2.357	2.331	2.395	VV	318	5174	0.13%	0.057%
3	2.431	2.395	2.453	VV	3143	27845	0.70%	0.309%
4	2.471	2.453	2.488	VV	1910	16797	0.42%	0.186%
5	2.500	2.488	2.544	VV	204	4313	0.11%	0.048%
6	2.588	2.544	2.624	VV	252	6828	0.17%	0.076%
7	2.657	2.624	2.678	VV	380	6735	0.17%	0.075%
8	2.694	2.678	2.705	VV	232	2687	0.07%	0.030%
9	2.743	2.705	2.820	VV	1031	27967	0.71%	0.310%
10	2.838	2.820	2.892	VV	1175	18543	0.47%	0.206%
11	2.917	2.892	2.945	VV	393	8030	0.20%	0.089%
12	2.960	2.945	3.005	VV	727	11367	0.29%	0.126%
13	3.014	3.005	3.051	VV	211	4257	0.11%	0.047%
14	3.055	3.051	3.079	VV	153	1829	0.05%	0.020%
15	3.088	3.079	3.111	VV	121	1656	0.04%	0.018%
16	3.116	3.111	3.134	VV	130	1519	0.04%	0.017%
17	3.148	3.134	3.195	VV	154	3891	0.10%	0.043%
18	3.208	3.195	3.238	VV	259	3853	0.10%	0.043%
19	3.258	3.238	3.272	VV	200	2563	0.06%	0.028%
20	3.280	3.272	3.294	VV	122	1403	0.04%	0.016%
21	3.303	3.294	3.358	VV	154	3369	0.09%	0.037%
22	3.377	3.358	3.395	VV	223	3653	0.09%	0.041%
23	3.404	3.395	3.467	VV	226	6897	0.17%	0.077%
24	3.496	3.467	3.557	VV	1752	21890	0.55%	0.243%
25	3.572	3.557	3.606	VV	236	4951	0.12%	0.055%
26	3.627	3.606	3.645	VV	253	3452	0.09%	0.038%
27	3.659	3.645	3.668	VV	165	1387	0.04%	0.015%
28	3.683	3.668	3.751	VV	159	5480	0.14%	0.061%
29	3.804	3.764	3.832	VV	192	5088	0.13%	0.056%
30	3.844	3.832	3.872	VV	197	3680	0.09%	0.041%
31	3.892	3.872	3.941	VV	595	13207	0.33%	0.147%
32	3.954	3.941	3.995	VV	211	4982	0.13%	0.055%
33	4.036	3.995	4.124	VV	594	17782	0.45%	0.197%
34	4.159	4.124	4.171	VV	244	4897	0.12%	0.054%
35	4.189	4.171	4.205	VV	294	4937	0.12%	0.055%
36	4.213	4.205	4.244	VV	233	4595	0.12%	0.051%

rteres

37	4.277	4.244	4.341	VV	763	21697	0.55%	0.241%
38	4.361	4.341	4.395	VV	496	10825	0.27%	0.120%
39	4.425	4.395	4.449	VV	793	13855	0.35%	0.154%
40	4.480	4.449	4.498	VV	670	12848	0.32%	0.143%
41	4.510	4.498	4.595	VV	972	15914	0.40%	0.177%
42	4.601	4.595	4.665	VV	162	5319	0.13%	0.059%
43	4.667	4.665	4.697	VV	192	1450	0.04%	0.016%
44	4.735	4.697	4.743	PV	99	1606	0.04%	0.018%
45	4.759	4.743	4.775	VV	123	1454	0.04%	0.016%
46	4.808	4.775	4.833	VV	201	3652	0.09%	0.041%
47	4.886	4.833	4.923	VV	2078	28318	0.71%	0.314%
48	4.943	4.923	4.975	VV	557	8095	0.20%	0.090%
49	4.984	4.975	5.009	VV	163	2313	0.06%	0.026%
50	5.018	5.009	5.035	VV	147	1282	0.03%	0.014%
51	5.049	5.035	5.058	VV	191	1804	0.05%	0.020%
52	5.074	5.058	5.091	VV	217	2614	0.07%	0.029%
53	5.110	5.091	5.168	VV	130	4073	0.10%	0.045%
54	5.190	5.168	5.205	VV	204	2534	0.06%	0.028%
55	5.209	5.205	5.228	VV	139	1033	0.03%	0.011%
56	5.232	5.228	5.238	VV	127	493	0.01%	0.005%
57	5.254	5.238	5.278	VV	209	2584	0.07%	0.029%
58	5.295	5.278	5.311	VV	279	3626	0.09%	0.040%
59	5.329	5.311	5.363	VV	736	10364	0.26%	0.115%
60	5.383	5.363	5.445	VV	298	7942	0.20%	0.088%
61	5.460	5.445	5.515	VV	288	6760	0.17%	0.075%
62	5.523	5.515	5.556	VV	157	2779	0.07%	0.031%
63	5.578	5.556	5.611	VV	202	3564	0.09%	0.040%
64	5.711	5.611	5.738	PV	186	8036	0.20%	0.089%
65	5.743	5.738	5.771	VV	122	2597	0.07%	0.029%
66	5.838	5.771	5.867	VV	294	11936	0.30%	0.133%
67	5.925	5.867	5.949	VV	460	13839	0.35%	0.154%
68	5.958	5.949	5.971	VV	230	3055	0.08%	0.034%
69	5.988	5.971	6.038	VV	458	9824	0.25%	0.109%
70	6.052	6.038	6.086	VV	240	4639	0.12%	0.052%
71	6.100	6.086	6.110	VV	132	1124	0.03%	0.012%
72	6.135	6.110	6.199	VV	145	4671	0.12%	0.052%
73	6.267	6.199	6.327	VV	3558	59281	1.50%	0.658%
74	6.346	6.327	6.398	VV	588	14347	0.36%	0.159%
75	6.413	6.398	6.465	VV	701	13176	0.33%	0.146%
76	6.485	6.465	6.531	VV	321	6176	0.16%	0.069%
77	6.560	6.531	6.608	VV	185	4201	0.11%	0.047%
78	6.628	6.608	6.678	PV	179	4344	0.11%	0.048%
79	6.704	6.678	6.731	VV	391	5984	0.15%	0.066%
80	6.758	6.731	6.791	VV	475	10217	0.26%	0.113%
81	6.808	6.791	6.851	VV	465	10699	0.27%	0.119%
82	6.882	6.851	6.953	VV	730	17035	0.43%	0.189%
83	6.977	6.953	7.003	VV	195	4702	0.12%	0.052%
84	7.043	7.003	7.075	VV	1591	20188	0.51%	0.224%
85	7.109	7.075	7.138	VV	310	7765	0.20%	0.086%
86	7.190	7.138	7.231	VV	1007	22242	0.56%	0.247%
87	7.245	7.231	7.303	VV	359	11030	0.28%	0.122%
88	7.353	7.303	7.410	VV	207	6343	0.16%	0.070%
89	7.444	7.410	7.480	VV	753	9178	0.23%	0.102%

rteres

90	7.542	7.480	7.581	VV	180	8067	0.20%	0.090%
91	7.605	7.581	7.688	VV	331	11283	0.28%	0.125%
92	7.706	7.688	7.731	VV	186	3318	0.08%	0.037%
93	7.751	7.731	7.778	VV	874	11332	0.29%	0.126%
94	7.806	7.778	7.888	VV	1312	21061	0.53%	0.234%
95	7.911	7.888	7.935	VV	117	2997	0.08%	0.033%
96	7.964	7.935	8.028	VV	455	11070	0.28%	0.123%
97	8.055	8.028	8.126	VV	3772	60725	1.53%	0.674%
98	8.160	8.126	8.228	VV	462	19146	0.48%	0.213%
99	8.245	8.228	8.268	VV	319	4557	0.12%	0.051%
100	8.283	8.268	8.335	VV	338	5358	0.14%	0.059%
101	8.370	8.335	8.488	VV	2301	93420	2.36%	1.037%
102	8.503	8.488	8.524	VV	623	12553	0.32%	0.139%
103	8.543	8.524	8.570	VV	641	15435	0.39%	0.171%
104	8.593	8.570	8.688	VV	820	27612	0.70%	0.307%
105	8.703	8.688	8.726	VV	322	4520	0.11%	0.050%
106	8.772	8.726	8.795	VV	994	16949	0.43%	0.188%
107	8.807	8.795	8.850	VV	718	16234	0.41%	0.180%
108	8.885	8.850	8.941	VV	1653	33503	0.85%	0.372%
109	8.958	8.941	8.982	VV	517	6559	0.17%	0.073%
110	9.007	8.982	9.038	VV	364	5982	0.15%	0.066%
111	9.060	9.038	9.085	VV	223	5046	0.13%	0.056%
112	9.169	9.085	9.211	VV	442	17797	0.45%	0.198%
113	9.237	9.211	9.271	VV	750	13098	0.33%	0.145%
114	9.295	9.271	9.348	VV	347	9129	0.23%	0.101%
115	9.382	9.348	9.408	VV	478	8772	0.22%	0.097%
116	9.431	9.408	9.497	VV	889	16914	0.43%	0.188%
117	9.517	9.497	9.544	VV	156	3351	0.08%	0.037%
118	9.573	9.544	9.628	VV	296	7487	0.19%	0.083%
119	9.653	9.628	9.700	VV	1160	20890	0.53%	0.232%
120	9.730	9.700	9.848	VV	299	13553	0.34%	0.150%
121	9.864	9.848	9.882	VV	93	1552	0.04%	0.017%
122	9.962	9.882	9.988	VV	302	7216	0.18%	0.080%
123	10.040	9.988	10.058	VV	376	8904	0.22%	0.099%
124	10.075	10.058	10.105	VV	304	5908	0.15%	0.066%
125	10.126	10.105	10.195	VV	257	7981	0.20%	0.089%
126	10.247	10.195	10.297	PV	313	11908	0.30%	0.132%
127	10.322	10.297	10.348	VV	426	8858	0.22%	0.098%
128	10.390	10.348	10.425	VV	577	17295	0.44%	0.192%
129	10.509	10.425	10.551	VV	747	27966	0.71%	0.310%
130	10.564	10.551	10.628	VV	269	9728	0.25%	0.108%
131	10.664	10.628	10.688	VV	213	6390	0.16%	0.071%
132	10.706	10.688	10.735	VV	293	5949	0.15%	0.066%
133	10.772	10.735	10.787	VV	290	7535	0.19%	0.084%
134	10.808	10.787	10.862	VV	409	9849	0.25%	0.109%
135	10.887	10.862	10.951	VV	309	6261	0.16%	0.070%
136	11.019	10.951	11.065	VV	3266	57700	1.46%	0.641%
137	11.090	11.065	11.153	VV	2471	51133	1.29%	0.568%
138	11.182	11.153	11.361	VV	1084	27190	0.69%	0.302%
139	11.397	11.361	11.448	VV	139	7624	0.19%	0.085%
140	11.474	11.448	11.524	VV	363	9880	0.25%	0.110%
141	11.550	11.524	11.598	VV	317	7305	0.18%	0.081%

rteres

142	11.741	11.598	11.774	PV	430	22340	0.56%	0.248%
143	11.793	11.774	11.817	VV	261	5290	0.13%	0.059%
144	11.837	11.817	11.865	VV	273	4714	0.12%	0.052%
145	11.884	11.865	11.931	VV	388	8470	0.21%	0.094%
146	11.965	11.931	12.004	VV	516	12668	0.32%	0.141%
147	12.027	12.004	12.096	VV	187	9406	0.24%	0.104%
148	12.146	12.096	12.180	VV	276	8162	0.21%	0.091%
149	12.250	12.180	12.295	VV	711	20359	0.51%	0.226%
150	12.331	12.295	12.365	VV	989	15160	0.38%	0.168%
151	12.390	12.365	12.471	VV	2454	39755	1.00%	0.441%
152	12.510	12.471	12.551	VV	280	7654	0.19%	0.085%
153	12.565	12.551	12.605	VV	144	1485	0.04%	0.016%
154	12.643	12.605	12.728	PV	202	8128	0.21%	0.090%
155	12.831	12.728	12.978	VV	311349	3961325	100.00%	43.978%
156	12.999	12.978	13.098	VV	832	40259	1.02%	0.447%
157	13.113	13.098	13.181	VV	433	16431	0.41%	0.182%
158	13.199	13.181	13.238	VV	351	9204	0.23%	0.102%
159	13.283	13.238	13.368	VV	456	20396	0.51%	0.226%
160	13.450	13.368	13.504	VV	323	18546	0.47%	0.206%
161	13.538	13.504	13.565	VV	717	14260	0.36%	0.158%
162	13.589	13.565	13.786	VV	1570	41196	1.04%	0.457%
163	13.836	13.786	13.871	PV	211	7462	0.19%	0.083%
164	13.888	13.871	13.908	VV	137	2422	0.06%	0.027%
165	13.932	13.908	14.001	VV	184	6402	0.16%	0.071%
166	14.035	14.001	14.128	VV	509	18533	0.47%	0.206%
167	14.152	14.128	14.184	VV	256	5163	0.13%	0.057%
168	14.231	14.184	14.258	VV	193	6141	0.16%	0.068%
169	14.301	14.258	14.372	VV	308	13301	0.34%	0.148%
170	14.455	14.372	14.521	VV	230	14207	0.36%	0.158%
171	14.542	14.521	14.608	VV	229	7087	0.18%	0.079%
172	14.693	14.608	14.775	VV	1231	40173	1.01%	0.446%
173	14.798	14.775	14.845	VV	168	4699	0.12%	0.052%
174	14.863	14.845	14.881	VV	254	3505	0.09%	0.039%
175	14.895	14.881	14.937	VV	159	3344	0.08%	0.037%
176	14.954	14.937	14.981	VV	72	1621	0.04%	0.018%
177	14.998	14.981	15.055	VV	103	2546	0.06%	0.028%
178	15.115	15.055	15.191	VV	251	11027	0.28%	0.122%
179	15.209	15.191	15.288	PV	161	5876	0.15%	0.065%
180	15.437	15.288	15.457	VV	198	10293	0.26%	0.114%
181	15.501	15.457	15.534	VV	191	7106	0.18%	0.079%
182	15.566	15.534	15.641	VV	169	7889	0.20%	0.088%
183	15.714	15.641	15.828	VV	956	35283	0.89%	0.392%
184	15.852	15.828	15.868	PV	264	3451	0.09%	0.038%
185	15.890	15.868	16.038	VV	252	9466	0.24%	0.105%
186	16.195	16.038	16.224	PV	292	11070	0.28%	0.123%
187	16.244	16.224	16.301	VV	223	5271	0.13%	0.059%
188	16.412	16.301	16.435	VV	174	8276	0.21%	0.092%
189	16.475	16.435	16.505	VV	134	3354	0.08%	0.037%
190	16.552	16.505	16.584	VV	295	6240	0.16%	0.069%
191	16.659	16.584	16.788	VV	1197	38397	0.97%	0.426%
192	16.851	16.788	16.881	PV	101	4052	0.10%	0.045%
193	17.110	16.881	17.167	VV	950	28965	0.73%	0.322%
194	17.212	17.167	17.271	PV	379	10891	0.27%	0.121%

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195	17.295	17.271	17.325	VV	165	3937	0.10%	0.044%
196	17.342	17.325	17.361	VV	96	1621	0.04%	0.018%
197	17.382	17.361	17.400	VV	123	1608	0.04%	0.018%
198	17.545	17.400	17.631	PV	1761	47281	1.19%	0.525%
199	17.708	17.631	17.771	VV	209	12116	0.31%	0.135%
200	17.823	17.771	17.881	PV	359	10325	0.26%	0.115%
201	17.967	17.881	18.031	PV	1374	31581	0.80%	0.351%
202	18.159	18.031	18.177	VV	138	5819	0.15%	0.065%
203	18.228	18.177	18.264	VV	198	5695	0.14%	0.063%
204	18.376	18.264	18.485	VV	2006	49972	1.26%	0.555%
205	18.543	18.485	18.564	VV	150	4728	0.12%	0.052%
206	18.580	18.564	18.595	VV	105	1396	0.04%	0.015%
207	18.657	18.595	18.698	VV	319	8384	0.21%	0.093%
208	18.772	18.698	18.858	PV	1197	28800	0.73%	0.320%
209	18.945	18.858	18.985	VV	372	11773	0.30%	0.131%
210	19.022	18.985	19.040	PV	143	2925	0.07%	0.032%
211	19.158	19.040	19.235	VV	1578	40852	1.03%	0.454%
212	19.463	19.235	19.501	VV	731	46035	1.16%	0.511%
213	19.533	19.501	19.575	VV	1170	31972	0.81%	0.355%
214	19.793	19.575	19.831	VV	1009	105243	2.66%	1.168%
215	19.899	19.831	19.925	VV	1848	65734	1.66%	0.730%
216	19.959	19.925	19.998	VV	1377	54969	1.39%	0.610%
217	20.257	19.998	20.291	VV	1962	256886	6.48%	2.852%
218	20.423	20.291	20.451	VV	2568	202914	5.12%	2.253%
219	20.610	20.451	20.646	VV	3104	302980	7.65%	3.364%
220	20.775	20.646	20.825	VV	3144	311933	7.87%	3.463%
221	20.840	20.825	20.900	VV	2989	127111	3.21%	1.411%
222	20.931	20.900	20.979	VV	2845	123264	3.11%	1.368%
223	21.011	20.979	21.099	VV	2381	162050	4.09%	1.799%
224	21.119	21.099	21.140	VV	2137	50918	1.29%	0.565%
225	21.185	21.140	21.201	VV	2036	74396	1.88%	0.826%
226	21.224	21.201	21.241	VV	1998	46359	1.17%	0.515%
227	21.319	21.241	21.341	VV	1825	109966	2.78%	1.221%
228	21.353	21.341	21.388	VV	1801	49122	1.24%	0.545%
229	21.465	21.388	21.618	VV	2271	230065	5.81%	2.554%
230	21.653	21.618	21.725	VV	1253	73777	1.86%	0.819%
231	21.740	21.725	21.768	VV	1067	25110	0.63%	0.279%
232	21.776	21.768	21.925	VV	979	68553	1.73%	0.761%
233	21.938	21.925	21.968	VV	563	13079	0.33%	0.145%
234	21.994	21.968	22.021	VV	477	13292	0.34%	0.148%
235	22.036	22.021	22.058	VV	397	7200	0.18%	0.080%
236	22.091	22.058	22.176	VV	279	11112	0.28%	0.123%

Sum of corrected areas: 9007600

Aliphatic EPH 030625.M Tue Mar 11 13:53:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049185.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 11:48
Operator : YP/AJ
Sample : Q1514-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-103-GW01

Integration File: autoint1.e
Quant Time: Mar 11 13:59:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
Quant Title : GC Extractables
QLast Update : Mon Mar 10 10:50:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.351	8734113	57.440 ug/ml
Spiked Amount 50.000		Recovery = 114.88%	
6) S 2-Flurobiphenyl (SURR)	8.202	5165352	64.852 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 129.70%	
11) S ortho-Terphenyl (SURR)	11.235	7762988	44.409 ug/ml
Spiked Amount 50.000		Recovery = 88.82%	
Target Compounds			

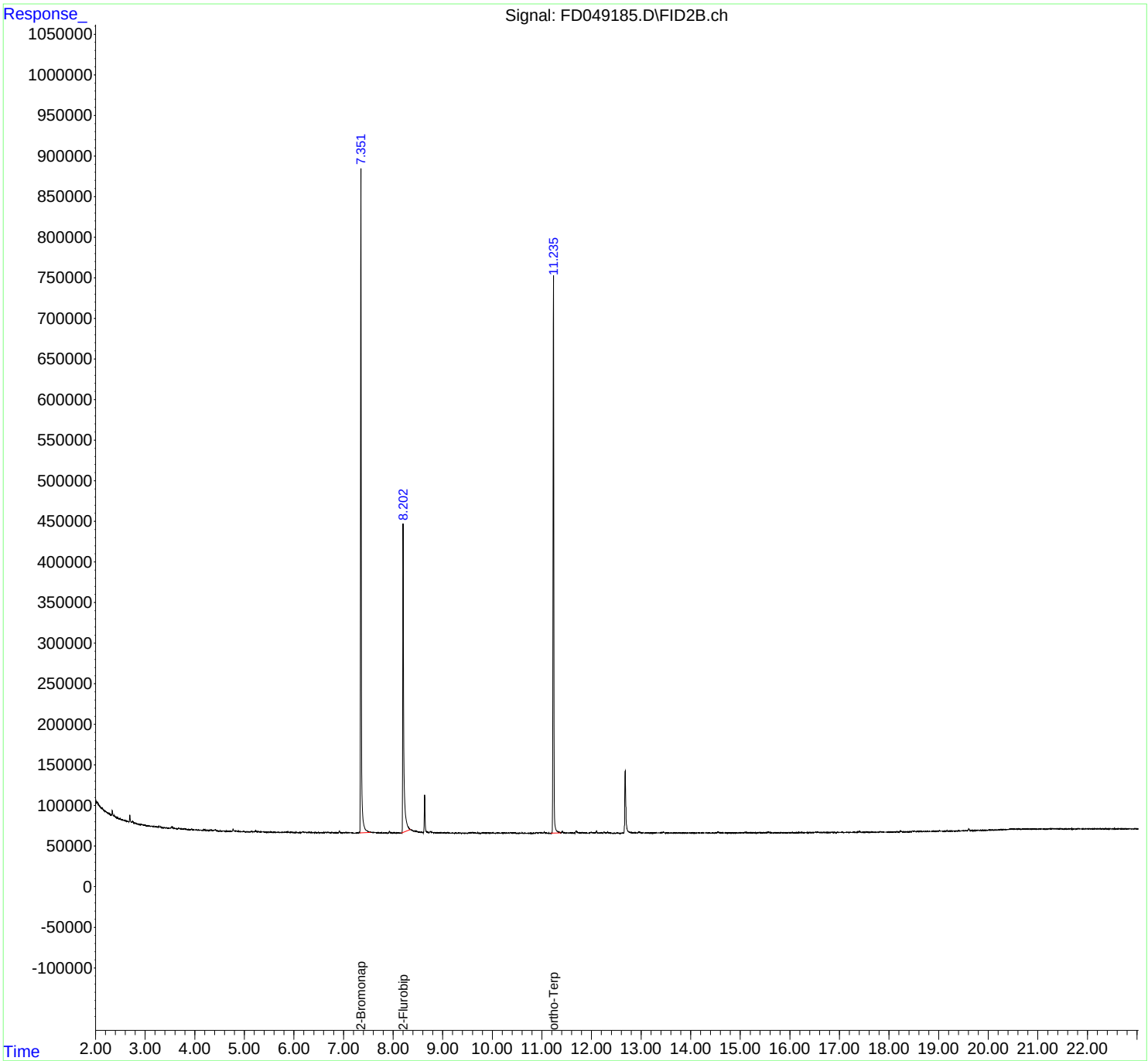
(f)=RT Delta > 1/2 Window (m)=manual int.

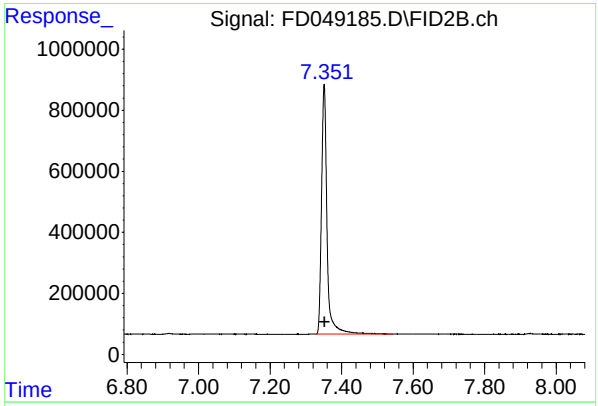
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049185.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 11:48
Operator : YP/AJ
Sample : Q1514-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
ENV-103-GW01

Integration File: autoint1.e
Quant Time: Mar 11 13:59:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
Quant Title : GC Extractables
QLast Update : Mon Mar 10 10:50:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

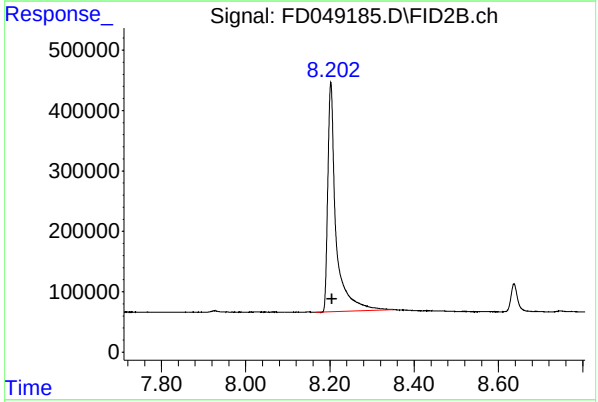




#4 2-Bromonaphthalene (SURR)

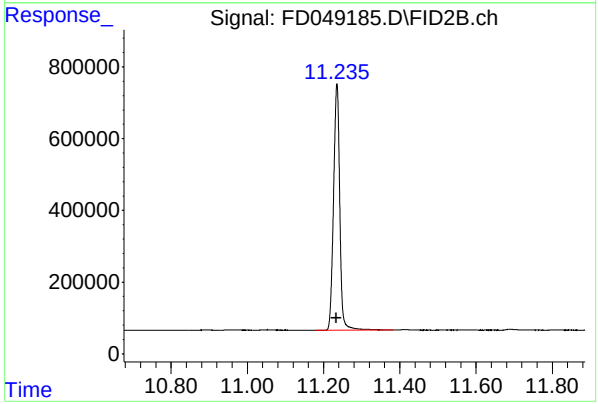
R.T.: 7.351 min
Delta R.T.: -0.001 min
Response: 8734113
Conc: 57.44 ug/ml

Instrument :
FID_D
ClientSampleId :
ENV-103-GW01



#6 2-Flurobiphenyl (SURR)

R.T.: 8.202 min
Delta R.T.: -0.003 min
Response: 5165352
Conc: 64.85 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.235 min
Delta R.T.: 0.002 min
Response: 7762988
Conc: 44.41 ug/ml

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049185.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 11:48
Sample : Q1514-08
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.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	4.077	4.064	4.100	PV	246	2882	0.03%	0.009%
2	4.104	4.100	4.119	PV	219	1624	0.02%	0.005%
3	4.130	4.129	4.149	VV	216	1484	0.02%	0.004%
4	4.189	4.149	4.207	VV	773	13353	0.15%	0.040%
5	4.223	4.207	4.231	VV	522	4897	0.06%	0.015%
6	4.250	4.231	4.289	VV	592	10274	0.12%	0.031%
7	4.293	4.289	4.304	VV	423	1673	0.02%	0.005%
8	4.326	4.304	4.366	VV	940	18244	0.21%	0.055%
9	4.379	4.366	4.394	VV	835	9831	0.11%	0.029%
10	4.409	4.394	4.432	VV	1364	21644	0.24%	0.065%
11	4.435	4.432	4.494	VV	652	9728	0.11%	0.029%
12	4.505	4.494	4.547	VV	401	6714	0.08%	0.020%
13	4.561	4.547	4.572	PV	273	2261	0.03%	0.007%
14	4.584	4.572	4.619	VV	537	9369	0.11%	0.028%
15	4.636	4.619	4.668	VV	329	3010	0.03%	0.009%
16	4.695	4.681	4.715	VV	362	4434	0.05%	0.013%
17	4.719	4.715	4.722	VV	331	1155	0.01%	0.003%
18	4.726	4.722	4.754	VV	351	4591	0.05%	0.014%
19	4.773	4.754	4.822	VV	3323	49053	0.55%	0.147%
20	4.833	4.822	4.862	VV	1098	13215	0.15%	0.040%
21	4.865	4.862	4.874	VV	355	1004	0.01%	0.003%
22	4.892	4.884	4.902	VV	243	1203	0.01%	0.004%
23	4.909	4.902	4.944	VV	208	2921	0.03%	0.009%
24	4.949	4.944	4.964	VV	419	2643	0.03%	0.008%
25	4.974	4.964	4.980	VV	443	2461	0.03%	0.007%
26	4.982	4.980	4.989	VV	364	1209	0.01%	0.004%
27	4.993	4.989	4.998	VV	360	1389	0.02%	0.004%
28	5.002	4.998	5.013	VV	413	1812	0.02%	0.005%
29	5.026	5.013	5.033	PV	281	1705	0.02%	0.005%
30	5.067	5.044	5.114	VV	381	8905	0.10%	0.027%
31	5.146	5.114	5.169	VV	553	11841	0.13%	0.036%
32	5.177	5.169	5.196	VV	561	7600	0.09%	0.023%
33	5.225	5.196	5.270	VV	1408	36378	0.41%	0.109%
34	5.280	5.270	5.309	VV	683	10827	0.12%	0.032%
35	5.312	5.309	5.322	VV	352	2269	0.03%	0.007%
36	5.346	5.322	5.408	VV	540	20882	0.24%	0.063%

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37	5.417	5.408	5.452	VV	387	3971	0.04%	0.012%
38	5.470	5.452	5.487	PV	308	3836	0.04%	0.012%
39	5.495	5.487	5.520	VV	311	4075	0.05%	0.012%
40	5.528	5.520	5.542	VV	275	3089	0.03%	0.009%
41	5.548	5.542	5.557	VV	242	1818	0.02%	0.005%
42	5.584	5.557	5.647	VV	330	11535	0.13%	0.035%
43	5.674	5.647	5.711	VV	320	6157	0.07%	0.018%
44	5.765	5.711	5.784	PV	442	8264	0.09%	0.025%
45	5.789	5.784	5.816	VV	343	4916	0.06%	0.015%
46	5.870	5.816	5.922	VV	1294	28195	0.32%	0.085%
47	5.932	5.922	6.040	VV	498	17449	0.20%	0.052%
48	6.044	6.040	6.062	VV	390	2117	0.02%	0.006%
49	6.074	6.062	6.089	VV	187	1688	0.02%	0.005%
50	6.123	6.089	6.135	VV	313	3790	0.04%	0.011%
51	6.174	6.135	6.212	PV	1316	26465	0.30%	0.079%
52	6.225	6.212	6.254	VV	887	14062	0.16%	0.042%
53	6.275	6.254	6.285	VV	427	6052	0.07%	0.018%
54	6.305	6.285	6.352	VV	916	20817	0.24%	0.062%
55	6.378	6.352	6.404	VV	630	12602	0.14%	0.038%
56	6.413	6.404	6.467	VV	347	8776	0.10%	0.026%
57	6.489	6.467	6.539	PV	330	10989	0.12%	0.033%
58	6.544	6.539	6.567	VV	256	3197	0.04%	0.010%
59	6.586	6.567	6.615	VV	567	9889	0.11%	0.030%
60	6.636	6.615	6.665	VV	663	14012	0.16%	0.042%
61	6.686	6.665	6.742	VV	865	23682	0.27%	0.071%
62	6.764	6.742	6.799	VV	1135	19374	0.22%	0.058%
63	6.836	6.799	6.890	VV	452	16499	0.19%	0.049%
64	6.917	6.890	6.970	PV	2594	38741	0.44%	0.116%
65	6.989	6.970	7.015	VV	685	13016	0.15%	0.039%
66	7.032	7.015	7.060	VV	725	15285	0.17%	0.046%
67	7.073	7.060	7.105	VV	806	14687	0.17%	0.044%
68	7.119	7.105	7.131	VV	661	8435	0.10%	0.025%
69	7.144	7.131	7.182	VV	730	13365	0.15%	0.040%
70	7.191	7.182	7.207	VV	241	2756	0.03%	0.008%
71	7.217	7.207	7.239	VV	244	2111	0.02%	0.006%
72	7.280	7.239	7.302	PV	393	8975	0.10%	0.027%
73	7.351	7.302	7.544	VV	820089	8847243	100.00%	26.538%
74	7.554	7.544	7.577	VV	1279	23951	0.27%	0.072%
75	7.585	7.577	7.620	VV	1376	25370	0.29%	0.076%
76	7.636	7.620	7.673	VV	1115	25982	0.29%	0.078%
77	7.686	7.673	7.792	VV	832	34338	0.39%	0.103%
78	7.812	7.792	7.830	VV	363	6840	0.08%	0.021%
79	7.858	7.830	7.869	VV	512	8552	0.10%	0.026%
80	7.926	7.869	7.997	VV	2654	58099	0.66%	0.174%
81	8.029	7.997	8.057	VV	687	19416	0.22%	0.058%
82	8.066	8.057	8.097	VV	581	9959	0.11%	0.030%
83	8.118	8.097	8.133	VV	474	8294	0.09%	0.025%
84	8.149	8.133	8.180	VV	657	9882	0.11%	0.030%
85	8.202	8.180	8.450	VV	381169	5624090	63.57%	16.870%
86	8.462	8.450	8.512	VV	2644	75240	0.85%	0.226%
87	8.521	8.512	8.554	VV	1673	34755	0.39%	0.104%
88	8.563	8.554	8.607	VV	1375	38457	0.43%	0.115%
89	8.637	8.607	8.725	VV	47415	584865	6.61%	1.754%

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90	8.748	8.725	8.820	VV	2455	77268	0.87%	0.232%
91	8.833	8.820	8.872	VV	1268	25315	0.29%	0.076%
92	8.899	8.872	8.915	VV	890	19234	0.22%	0.058%
93	8.938	8.915	8.971	VV	938	25644	0.29%	0.077%
94	8.983	8.971	9.009	VV	735	13210	0.15%	0.040%
95	9.046	9.009	9.079	VV	829	26221	0.30%	0.079%
96	9.098	9.079	9.134	VV	969	18755	0.21%	0.056%
97	9.152	9.134	9.172	VV	459	7821	0.09%	0.023%
98	9.181	9.172	9.237	VV	656	13986	0.16%	0.042%
99	9.260	9.237	9.293	VV	678	11979	0.14%	0.036%
100	9.314	9.293	9.330	VV	585	9807	0.11%	0.029%
101	9.345	9.330	9.375	VV	596	12096	0.14%	0.036%
102	9.395	9.375	9.415	VV	471	8632	0.10%	0.026%
103	9.423	9.415	9.453	VV	481	6529	0.07%	0.020%
104	9.473	9.453	9.506	VV	504	10457	0.12%	0.031%
105	9.532	9.506	9.555	VV	1091	17948	0.20%	0.054%
106	9.593	9.555	9.652	VV	1278	46658	0.53%	0.140%
107	9.657	9.652	9.725	VV	701	18558	0.21%	0.056%
108	9.733	9.725	9.763	VV	391	7066	0.08%	0.021%
109	9.828	9.763	9.854	VV	800	26125	0.30%	0.078%
110	9.887	9.854	9.897	VV	641	12694	0.14%	0.038%
111	9.914	9.897	9.930	VV	657	11971	0.14%	0.036%
112	9.939	9.930	9.952	VV	593	7094	0.08%	0.021%
113	9.982	9.952	9.991	VV	785	14322	0.16%	0.043%
114	10.014	9.991	10.069	VV	1202	27202	0.31%	0.082%
115	10.108	10.069	10.125	VV	668	16717	0.19%	0.050%
116	10.138	10.125	10.166	VV	702	13157	0.15%	0.039%
117	10.190	10.166	10.211	VV	754	14819	0.17%	0.044%
118	10.222	10.211	10.242	VV	649	10800	0.12%	0.032%
119	10.265	10.242	10.285	VV	758	15415	0.17%	0.046%
120	10.298	10.285	10.319	VV	725	11375	0.13%	0.034%
121	10.331	10.319	10.345	VV	666	8949	0.10%	0.027%
122	10.366	10.345	10.395	VV	1324	24703	0.28%	0.074%
123	10.410	10.395	10.451	VV	752	18862	0.21%	0.057%
124	10.468	10.451	10.517	VV	670	17766	0.20%	0.053%
125	10.526	10.517	10.542	VV	469	5318	0.06%	0.016%
126	10.552	10.542	10.580	VV	476	8866	0.10%	0.027%
127	10.588	10.580	10.627	VV	510	11181	0.13%	0.034%
128	10.636	10.627	10.646	VV	357	3716	0.04%	0.011%
129	10.665	10.646	10.685	VV	581	9825	0.11%	0.029%
130	10.719	10.685	10.727	VV	319	5527	0.06%	0.017%
131	10.748	10.727	10.756	VV	355	5115	0.06%	0.015%
132	10.769	10.756	10.816	VV	381	10380	0.12%	0.031%
133	10.828	10.816	10.836	PV	276	2366	0.03%	0.007%
134	10.890	10.836	10.929	VV	1461	33766	0.38%	0.101%
135	10.951	10.929	11.024	VV	1411	46816	0.53%	0.140%
136	11.050	11.024	11.120	VV	1580	47019	0.53%	0.141%
137	11.128	11.120	11.150	VV	564	7979	0.09%	0.024%
138	11.164	11.150	11.178	VV	506	7767	0.09%	0.023%
139	11.185	11.178	11.202	VV	505	6266	0.07%	0.019%
140	11.235	11.202	11.382	VV	689361	7846189	88.69%	23.535%
141	11.413	11.382	11.472	VV	2366	68351	0.77%	0.205%

rteres

142	11.478	11.472	11.492	VV	812	8571	0.10%	0.026%
143	11.513	11.492	11.542	VV	976	25299	0.29%	0.076%
144	11.570	11.542	11.583	VV	1076	22408	0.25%	0.067%
145	11.595	11.583	11.616	VV	1011	17737	0.20%	0.053%
146	11.646	11.616	11.665	VV	924	23728	0.27%	0.071%
147	11.689	11.665	11.785	VV	3137	103951	1.17%	0.312%
148	11.816	11.785	11.840	VV	1369	33342	0.38%	0.100%
149	11.846	11.840	11.875	VV	814	15533	0.18%	0.047%
150	11.887	11.875	11.918	VV	765	18008	0.20%	0.054%
151	11.930	11.918	11.950	VV	695	12467	0.14%	0.037%
152	12.005	11.950	12.033	VV	1328	55276	0.62%	0.166%
153	12.040	12.033	12.064	VV	1187	20112	0.23%	0.060%
154	12.102	12.064	12.130	VV	3207	66118	0.75%	0.198%
155	12.141	12.130	12.154	VV	935	10454	0.12%	0.031%
156	12.170	12.154	12.180	VV	1071	13108	0.15%	0.039%
157	12.199	12.180	12.227	VV	1475	28448	0.32%	0.085%
158	12.252	12.227	12.300	VV	2267	52660	0.60%	0.158%
159	12.326	12.300	12.465	VV	1771	84860	0.96%	0.255%
160	12.507	12.465	12.570	VV	830	42691	0.48%	0.128%
161	12.580	12.570	12.590	VV	682	7099	0.08%	0.021%
162	12.612	12.590	12.634	VV	882	18955	0.21%	0.057%
163	12.681	12.634	12.825	VV	77387	1299174	14.68%	3.897%
164	12.835	12.825	12.880	VV	1342	41346	0.47%	0.124%
165	12.889	12.880	12.932	VV	1265	34789	0.39%	0.104%
166	12.952	12.932	13.025	VV	2180	79835	0.90%	0.239%
167	13.040	13.025	13.084	VV	1200	38602	0.44%	0.116%
168	13.099	13.084	13.119	VV	1318	22432	0.25%	0.067%
169	13.129	13.119	13.163	VV	1209	28141	0.32%	0.084%
170	13.180	13.163	13.222	VV	1153	32970	0.37%	0.099%
171	13.300	13.222	13.334	VV	1282	69164	0.78%	0.207%
172	13.340	13.334	13.355	VV	1131	14185	0.16%	0.043%
173	13.360	13.355	13.389	VV	1268	21727	0.25%	0.065%
174	13.404	13.389	13.430	VV	1553	31828	0.36%	0.095%
175	13.452	13.430	13.514	VV	2377	68870	0.78%	0.207%
176	13.527	13.514	13.565	VV	980	29112	0.33%	0.087%
177	13.575	13.565	13.602	VV	986	19236	0.22%	0.058%
178	13.620	13.602	13.641	VV	946	20697	0.23%	0.062%
179	13.658	13.641	13.680	VV	1116	20411	0.23%	0.061%
180	13.710	13.680	13.733	VV	1102	29623	0.33%	0.089%
181	13.745	13.733	13.765	VV	898	16268	0.18%	0.049%
182	13.785	13.765	13.805	VV	1071	22728	0.26%	0.068%
183	13.825	13.805	13.879	VV	1151	43361	0.49%	0.130%
184	13.885	13.879	13.896	VV	1059	10627	0.12%	0.032%
185	13.917	13.896	13.936	VV	1178	25501	0.29%	0.076%
186	13.957	13.936	13.974	VV	1304	25741	0.29%	0.077%
187	13.977	13.974	13.995	VV	1309	15040	0.17%	0.045%
188	14.000	13.995	14.042	VV	1181	29980	0.34%	0.090%
189	14.050	14.042	14.060	VV	997	11083	0.13%	0.033%
190	14.145	14.060	14.185	VV	1422	87313	0.99%	0.262%
191	14.202	14.185	14.219	VV	1280	23281	0.26%	0.070%
192	14.252	14.219	14.262	VV	1362	30197	0.34%	0.091%
193	14.275	14.262	14.283	VV	1287	14898	0.17%	0.045%
194	14.312	14.283	14.329	VV	1377	34235	0.39%	0.103%

rteres

195	14.338	14.329	14.410	VV	1256	53542	0.61%	0.161%
196	14.424	14.410	14.472	VV	1206	39866	0.45%	0.120%
197	14.520	14.472	14.532	VV	1578	46660	0.53%	0.140%
198	14.554	14.532	14.612	VV	2261	78245	0.88%	0.235%
199	14.654	14.612	14.678	VV	1408	49769	0.56%	0.149%
200	14.692	14.678	14.719	VV	1430	29964	0.34%	0.090%
201	14.725	14.719	14.745	VV	1240	18092	0.20%	0.054%
202	14.762	14.745	14.777	VV	1318	21932	0.25%	0.066%
203	14.781	14.777	14.815	VV	1320	26110	0.30%	0.078%
204	14.829	14.815	14.837	VV	1207	14740	0.17%	0.044%
205	14.844	14.837	14.868	VV	1227	20955	0.24%	0.063%
206	14.878	14.868	14.927	VV	1279	40125	0.45%	0.120%
207	14.943	14.927	14.961	VV	1280	25724	0.29%	0.077%
208	14.981	14.961	14.990	VV	1565	23892	0.27%	0.072%
209	14.999	14.990	15.014	VV	1548	21111	0.24%	0.063%
210	15.042	15.014	15.056	VV	1672	39434	0.45%	0.118%
211	15.107	15.056	15.172	VV	2149	115705	1.31%	0.347%
212	15.178	15.172	15.189	VV	1596	15671	0.18%	0.047%
213	15.192	15.189	15.217	VV	1689	25545	0.29%	0.077%
214	15.240	15.217	15.299	VV	1591	69876	0.79%	0.210%
215	15.305	15.299	15.314	VV	1330	11882	0.13%	0.036%
216	15.343	15.314	15.369	VV	1556	47999	0.54%	0.144%
217	15.394	15.369	15.430	VV	1723	58398	0.66%	0.175%
218	15.437	15.430	15.483	VV	1642	46680	0.53%	0.140%
219	15.493	15.483	15.503	VV	1538	16574	0.19%	0.050%
220	15.575	15.503	15.614	VV	2383	117849	1.33%	0.353%
221	15.620	15.614	15.659	VV	1489	38190	0.43%	0.115%
222	15.687	15.659	15.707	VV	1592	42134	0.48%	0.126%
223	15.730	15.707	15.782	VV	1613	66866	0.76%	0.201%
224	15.807	15.782	15.835	VV	1543	46411	0.52%	0.139%
225	15.861	15.835	15.912	VV	1573	67198	0.76%	0.202%
226	15.919	15.912	15.953	VV	1616	36480	0.41%	0.109%
227	15.962	15.953	15.979	VV	1570	23032	0.26%	0.069%
228	16.052	15.979	16.095	VV	2008	116770	1.32%	0.350%
229	16.106	16.095	16.140	VV	1701	42640	0.48%	0.128%
230	16.153	16.140	16.165	VV	1712	24016	0.27%	0.072%
231	16.193	16.165	16.278	VV	1999	120975	1.37%	0.363%
232	16.299	16.278	16.342	VV	1819	66936	0.76%	0.201%
233	16.389	16.342	16.457	VV	2052	126817	1.43%	0.380%
234	16.516	16.457	16.540	VV	2665	106980	1.21%	0.321%
235	16.560	16.540	16.619	VV	2742	101803	1.15%	0.305%
236	16.634	16.619	16.650	VV	1906	34272	0.39%	0.103%
237	16.663	16.650	16.688	VV	2039	42864	0.48%	0.129%
238	16.698	16.688	16.722	VV	1911	37931	0.43%	0.114%
239	16.737	16.722	16.755	VV	1968	38238	0.43%	0.115%
240	16.759	16.755	16.772	VV	1933	18551	0.21%	0.056%
241	16.797	16.772	16.817	VV	2085	53536	0.61%	0.161%
242	16.826	16.817	16.842	VV	2156	30671	0.35%	0.092%
243	16.855	16.842	16.900	VV	2185	69399	0.78%	0.208%
244	16.919	16.900	16.942	VV	2064	49246	0.56%	0.148%
245	16.969	16.942	17.022	VV	2501	106113	1.20%	0.318%
246	17.038	17.022	17.080	VV	2316	76591	0.87%	0.230%

rteres

247	17.095	17.080	17.103	VV	2164	28399	0.32%	0.085%
248	17.137	17.103	17.194	VV	2337	116830	1.32%	0.350%
249	17.219	17.194	17.240	VV	2247	59063	0.67%	0.177%
250	17.264	17.240	17.355	VV	2391	156099	1.76%	0.468%
251	17.402	17.355	17.442	VV	3410	141628	1.60%	0.425%
252	17.450	17.442	17.491	VV	2605	70889	0.80%	0.213%
253	17.502	17.491	17.521	VV	2451	42906	0.48%	0.129%
254	17.538	17.521	17.583	VV	2680	93092	1.05%	0.279%
255	17.622	17.583	17.637	VV	2558	79575	0.90%	0.239%
256	17.661	17.637	17.686	VV	2687	74964	0.85%	0.225%
257	17.697	17.686	17.728	VV	2562	61528	0.70%	0.185%
258	17.736	17.728	17.741	VV	2512	19712	0.22%	0.059%
259	17.761	17.741	17.781	VV	2607	60090	0.68%	0.180%
260	17.824	17.781	17.860	VV	3255	132984	1.50%	0.399%
261	17.873	17.860	17.948	VV	2739	138193	1.56%	0.415%
262	17.964	17.948	18.046	VV	2792	158142	1.79%	0.474%
263	18.063	18.046	18.077	VV	2833	52263	0.59%	0.157%
264	18.088	18.077	18.100	VV	2852	37610	0.43%	0.113%
265	18.113	18.100	18.137	VV	2837	62369	0.70%	0.187%
266	18.162	18.137	18.195	VV	2981	99592	1.13%	0.299%
267	18.234	18.195	18.262	VV	4057	133907	1.51%	0.402%
268	18.272	18.262	18.297	VV	3128	63876	0.72%	0.192%
269	18.312	18.297	18.325	VV	2970	47493	0.54%	0.142%
270	18.329	18.325	18.334	VV	2976	17333	0.20%	0.052%
271	18.360	18.334	18.367	VV	3052	57800	0.65%	0.173%
272	18.399	18.367	18.412	VV	3164	84357	0.95%	0.253%
273	18.472	18.412	18.493	VV	4014	165351	1.87%	0.496%
274	18.517	18.493	18.585	VV	3881	192823	2.18%	0.578%
275	18.628	18.585	18.658	VV	3939	158364	1.79%	0.475%
276	18.693	18.658	18.731	VV	3752	155600	1.76%	0.467%
277	18.738	18.731	18.751	VBA	3652	41030	0.46%	0.123%

Sum of corrected areas: 33338179

Aromatic EPH 030725.M Tue Mar 11 14:14:16 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068396.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 12:25
Operator : YP/AJ
Sample : Q1514-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
FB03062025

Integration File: autoint1.e
Quant Time: Mar 11 13:42:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Quant Title : GC Extractables
QLast Update : Thu Mar 06 12:39:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.833	5570305	48.093 ug/ml
Spiked Amount 50.000		Recovery = 96.19%	
Target Compounds			

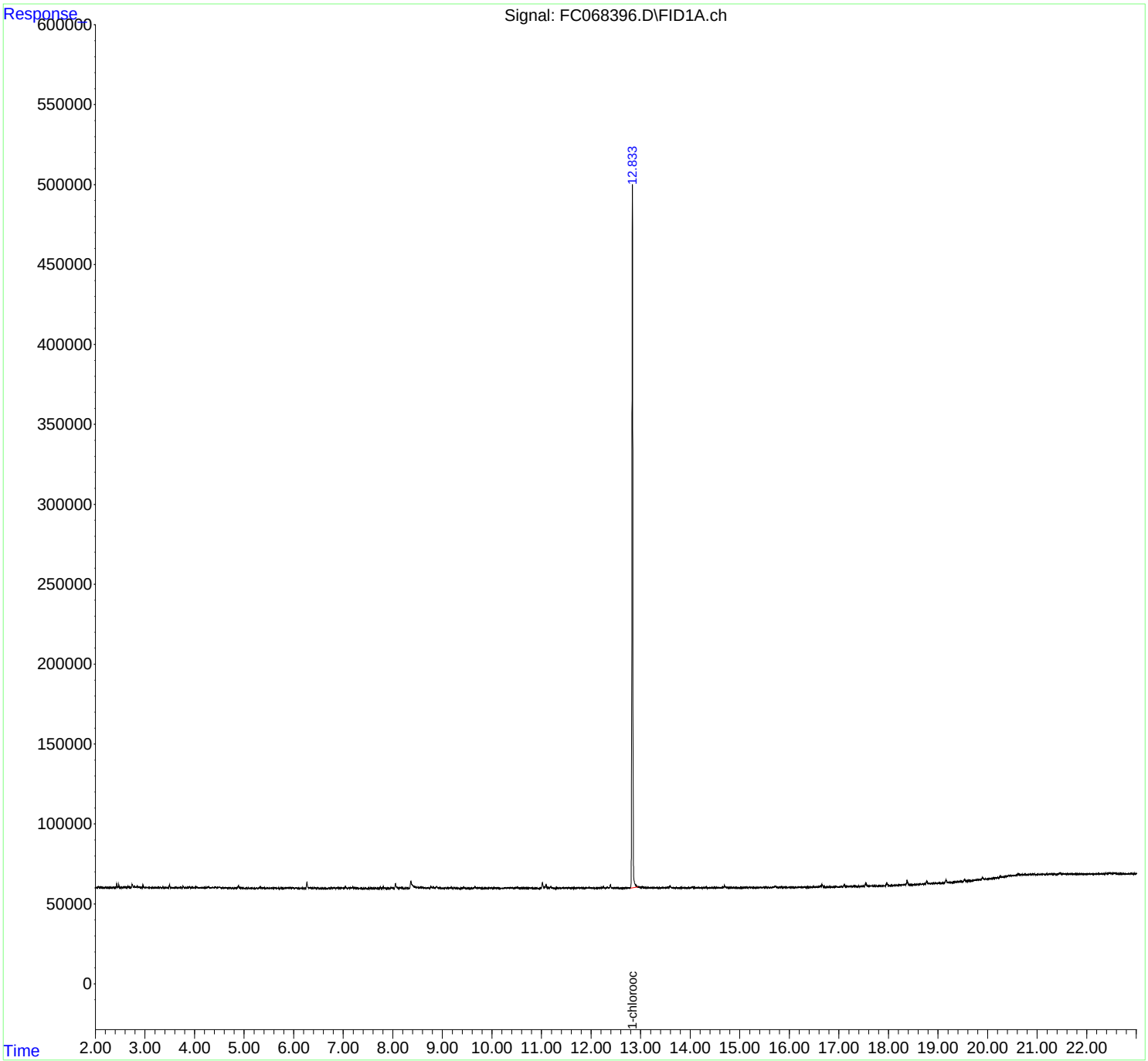
(f)=RT Delta > 1/2 Window (m)=manual int.

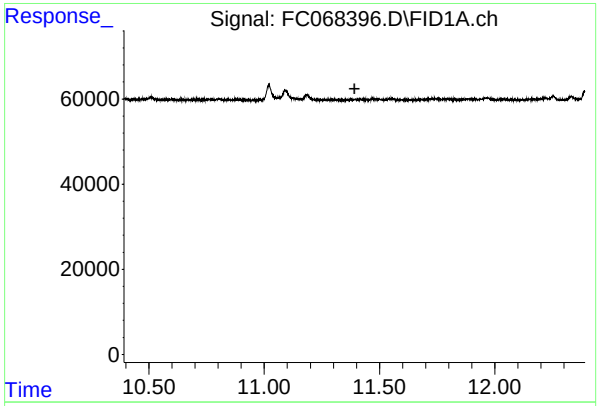
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068396.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 12:25
Operator : YP/AJ
Sample : Q1514-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
FB03062025

Integration File: autoint1.e
Quant Time: Mar 11 13:42:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Quant Title : GC Extractables
QLast Update : Thu Mar 06 12:39:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

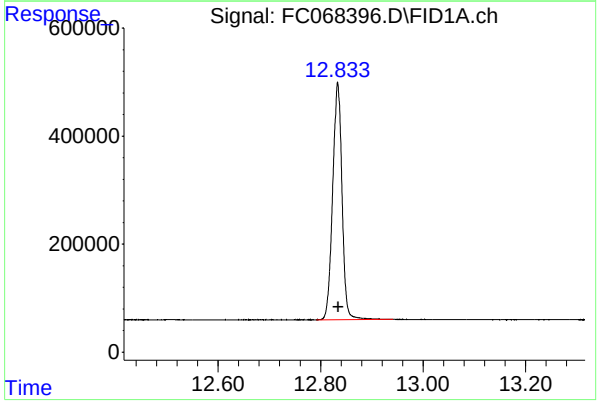




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.391 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
FB03062025



#12 1-chlorooctadecane (SURR)

R.T.: 12.833 min
Delta R.T.: 0.000 min
Response: 5570305
Conc: 48.09 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068396.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 12:25
Sample : Q1514-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.326	2.305	2.345	BV	133	1852	0.03%	0.018%
2	2.357	2.345	2.388	VV	243	3629	0.06%	0.034%
3	2.430	2.388	2.448	VV	2566	21924	0.39%	0.207%
4	2.470	2.448	2.540	VV	2178	26500	0.47%	0.251%
5	2.559	2.540	2.605	VV	264	7758	0.14%	0.073%
6	2.609	2.605	2.618	VV	225	1566	0.03%	0.015%
7	2.622	2.618	2.635	VV	236	1837	0.03%	0.017%
8	2.655	2.635	2.695	VV	698	12140	0.22%	0.115%
9	2.741	2.695	2.771	VV	2014	34889	0.62%	0.330%
10	2.787	2.771	2.815	VV	848	13776	0.24%	0.130%
11	2.837	2.815	2.912	VV	1010	24641	0.44%	0.233%
12	2.960	2.912	2.992	VV	1537	24823	0.44%	0.235%
13	3.000	2.992	3.015	VV	277	3507	0.06%	0.033%
14	3.020	3.015	3.031	VV	282	2242	0.04%	0.021%
15	3.052	3.031	3.074	VV	265	5357	0.10%	0.051%
16	3.086	3.074	3.135	VV	284	6563	0.12%	0.062%
17	3.163	3.135	3.225	VV	283	10300	0.18%	0.097%
18	3.229	3.225	3.245	VV	238	2371	0.04%	0.022%
19	3.255	3.245	3.275	VV	200	3117	0.06%	0.029%
20	3.299	3.275	3.333	VV	240	6481	0.11%	0.061%
21	3.360	3.333	3.418	VV	636	12113	0.21%	0.115%
22	3.423	3.418	3.452	VV	235	2991	0.05%	0.028%
23	3.496	3.452	3.551	VV	2173	27292	0.48%	0.258%
24	3.575	3.551	3.588	VV	227	3744	0.07%	0.035%
25	3.622	3.588	3.641	VV	287	7404	0.13%	0.070%
26	3.648	3.641	3.666	VV	309	3252	0.06%	0.031%
27	3.697	3.666	3.745	VV	336	11079	0.20%	0.105%
28	3.768	3.745	3.836	VV	1209	20683	0.37%	0.196%
29	3.863	3.836	3.874	VV	423	6525	0.12%	0.062%
30	3.892	3.874	3.948	VV	640	17999	0.32%	0.170%
31	3.963	3.948	3.991	VV	327	6277	0.11%	0.059%
32	4.034	3.991	4.078	VV	794	20816	0.37%	0.197%
33	4.097	4.078	4.113	VV	297	5498	0.10%	0.052%
34	4.129	4.113	4.167	VV	303	8452	0.15%	0.080%
35	4.181	4.167	4.242	VV	338	12468	0.22%	0.118%
36	4.277	4.242	4.331	VV	1018	26300	0.47%	0.249%

rteres

37	4.363	4.331	4.388	VV	611	13669	0.24%	0.129%
38	4.425	4.388	4.466	VV	753	20657	0.37%	0.195%
39	4.481	4.466	4.495	VV	606	7844	0.14%	0.074%
40	4.510	4.495	4.701	VV	900	24542	0.44%	0.232%
41	4.717	4.701	4.738	VV	150	2241	0.04%	0.021%
42	4.748	4.738	4.765	VV	131	1224	0.02%	0.012%
43	4.772	4.765	4.788	VV	80	828	0.01%	0.008%
44	4.808	4.788	4.841	VV	204	3148	0.06%	0.030%
45	4.886	4.841	4.928	VV	1941	26837	0.48%	0.254%
46	4.942	4.928	5.048	VV	430	9820	0.17%	0.093%
47	5.060	5.048	5.125	VV	157	4503	0.08%	0.043%
48	5.165	5.125	5.185	VV	139	3127	0.06%	0.030%
49	5.191	5.185	5.223	VV	93	1691	0.03%	0.016%
50	5.328	5.223	5.366	PV	872	19709	0.35%	0.186%
51	5.385	5.366	5.433	VV	240	6368	0.11%	0.060%
52	5.476	5.433	5.527	VV	192	7632	0.14%	0.072%
53	5.538	5.527	5.550	VV	182	1601	0.03%	0.015%
54	5.572	5.550	5.604	VV	286	5716	0.10%	0.054%
55	5.630	5.604	5.731	VV	247	10902	0.19%	0.103%
56	5.738	5.731	5.746	VV	267	1670	0.03%	0.016%
57	5.752	5.746	5.767	VV	168	1854	0.03%	0.018%
58	5.782	5.767	5.810	VV	193	3605	0.06%	0.034%
59	5.848	5.810	5.907	VV	324	13531	0.24%	0.128%
60	5.927	5.907	5.955	VV	470	8089	0.14%	0.076%
61	5.990	5.955	6.021	VV	433	9782	0.17%	0.092%
62	6.056	6.021	6.075	VV	257	5465	0.10%	0.052%
63	6.088	6.075	6.137	VV	217	3957	0.07%	0.037%
64	6.157	6.137	6.171	VV	207	2461	0.04%	0.023%
65	6.178	6.171	6.238	VV	122	3899	0.07%	0.037%
66	6.267	6.238	6.335	VV	3950	62941	1.12%	0.595%
67	6.346	6.335	6.369	VV	528	7545	0.13%	0.071%
68	6.382	6.369	6.395	VV	370	4384	0.08%	0.041%
69	6.414	6.395	6.432	VV	682	9235	0.16%	0.087%
70	6.443	6.432	6.470	VV	371	4997	0.09%	0.047%
71	6.488	6.470	6.615	VV	315	9872	0.18%	0.093%
72	6.655	6.615	6.686	VV	129	3767	0.07%	0.036%
73	6.704	6.686	6.731	PV	352	4875	0.09%	0.046%
74	6.757	6.731	6.784	VV	441	7881	0.14%	0.075%
75	6.807	6.784	6.853	VV	464	12618	0.22%	0.119%
76	6.882	6.853	6.911	VV	671	11870	0.21%	0.112%
77	6.922	6.911	6.944	VV	217	3130	0.06%	0.030%
78	6.968	6.944	6.976	VV	261	3987	0.07%	0.038%
79	6.990	6.976	7.011	VV	275	3948	0.07%	0.037%
80	7.044	7.011	7.078	VV	1534	20028	0.36%	0.189%
81	7.117	7.078	7.133	VV	346	7000	0.12%	0.066%
82	7.151	7.133	7.161	VV	311	3923	0.07%	0.037%
83	7.190	7.161	7.230	VV	877	18993	0.34%	0.180%
84	7.246	7.230	7.263	VV	398	5749	0.10%	0.054%
85	7.276	7.263	7.328	VV	364	7327	0.13%	0.069%
86	7.333	7.328	7.396	VV	195	4403	0.08%	0.042%
87	7.409	7.396	7.421	VV	111	1010	0.02%	0.010%
88	7.443	7.421	7.476	VV	561	7589	0.13%	0.072%
89	7.485	7.476	7.493	VV	72	595	0.01%	0.006%

rteres

90	7.527	7.493	7.561	VV	207	5266	0.09%	0.050%
91	7.608	7.561	7.627	VV	285	7216	0.13%	0.068%
92	7.639	7.627	7.651	VV	216	2396	0.04%	0.023%
93	7.662	7.651	7.694	VV	178	3956	0.07%	0.037%
94	7.705	7.694	7.731	VV	190	3352	0.06%	0.032%
95	7.750	7.731	7.781	VV	825	10719	0.19%	0.101%
96	7.806	7.781	7.854	VV	1254	18564	0.33%	0.175%
97	7.864	7.854	7.901	VV	207	4087	0.07%	0.039%
98	7.923	7.901	7.945	VV	166	3708	0.07%	0.035%
99	7.963	7.945	8.025	VV	437	10948	0.19%	0.103%
100	8.054	8.025	8.130	VV	3028	52943	0.94%	0.500%
101	8.152	8.130	8.183	VV	468	11711	0.21%	0.111%
102	8.196	8.183	8.224	VV	450	7152	0.13%	0.068%
103	8.245	8.224	8.266	VV	373	5541	0.10%	0.052%
104	8.284	8.266	8.324	VV	334	5045	0.09%	0.048%
105	8.364	8.324	8.495	PV	4208	149983	2.66%	1.418%
106	8.508	8.495	8.530	VV	739	13972	0.25%	0.132%
107	8.540	8.530	8.578	VV	687	17793	0.32%	0.168%
108	8.593	8.578	8.631	VV	865	19109	0.34%	0.181%
109	8.649	8.631	8.677	VV	443	8895	0.16%	0.084%
110	8.704	8.677	8.740	VV	347	9699	0.17%	0.092%
111	8.771	8.740	8.795	VV	1410	23542	0.42%	0.223%
112	8.808	8.795	8.863	VV	820	22208	0.39%	0.210%
113	8.884	8.863	8.938	VV	1467	29131	0.52%	0.275%
114	8.957	8.938	8.982	VV	439	7525	0.13%	0.071%
115	9.006	8.982	9.037	VV	312	6582	0.12%	0.062%
116	9.059	9.037	9.091	VV	325	7505	0.13%	0.071%
117	9.111	9.091	9.138	VV	318	6447	0.11%	0.061%
118	9.173	9.138	9.211	VV	446	12333	0.22%	0.117%
119	9.237	9.211	9.275	VV	771	13340	0.24%	0.126%
120	9.301	9.275	9.348	VV	294	8006	0.14%	0.076%
121	9.388	9.348	9.408	VV	441	8311	0.15%	0.079%
122	9.431	9.408	9.467	VV	772	14230	0.25%	0.135%
123	9.484	9.467	9.501	VV	300	3530	0.06%	0.033%
124	9.521	9.501	9.550	VV	233	4514	0.08%	0.043%
125	9.597	9.550	9.627	VV	320	9459	0.17%	0.089%
126	9.655	9.627	9.696	VV	1046	20653	0.37%	0.195%
127	9.722	9.696	9.779	VV	334	12334	0.22%	0.117%
128	9.797	9.779	9.826	VV	307	5169	0.09%	0.049%
129	9.835	9.826	9.858	VV	141	2107	0.04%	0.020%
130	9.925	9.858	9.936	PV	279	7083	0.13%	0.067%
131	9.961	9.936	9.987	VV	318	6942	0.12%	0.066%
132	10.040	9.987	10.065	VV	407	11946	0.21%	0.113%
133	10.076	10.065	10.100	VV	283	5484	0.10%	0.052%
134	10.123	10.100	10.144	VV	304	5787	0.10%	0.055%
135	10.154	10.144	10.178	VV	267	3589	0.06%	0.034%
136	10.207	10.178	10.223	VV	222	4206	0.07%	0.040%
137	10.245	10.223	10.303	VV	359	13420	0.24%	0.127%
138	10.327	10.303	10.342	VV	469	8697	0.15%	0.082%
139	10.391	10.342	10.421	VV	544	16717	0.30%	0.158%
140	10.436	10.421	10.451	VV	368	5095	0.09%	0.048%
141	10.508	10.451	10.561	VV	759	24203	0.43%	0.229%

rteres

142	10.601	10.561	10.624	VV	267	8436	0.15%	0.080%
143	10.641	10.624	10.655	VV	168	2675	0.05%	0.025%
144	10.671	10.655	10.683	VV	244	3113	0.06%	0.029%
145	10.705	10.683	10.735	VV	266	5775	0.10%	0.055%
146	10.804	10.735	10.834	VV	403	13204	0.23%	0.125%
147	10.892	10.834	10.942	VV	242	9112	0.16%	0.086%
148	11.020	10.942	11.054	VV	3629	61831	1.10%	0.585%
149	11.091	11.054	11.161	VV	2400	58099	1.03%	0.549%
150	11.185	11.161	11.293	VV	1255	27722	0.49%	0.262%
151	11.305	11.293	11.328	VV	170	2401	0.04%	0.023%
152	11.433	11.328	11.454	VV	257	11661	0.21%	0.110%
153	11.471	11.454	11.525	VV	371	9244	0.16%	0.087%
154	11.554	11.525	11.581	VV	412	7871	0.14%	0.074%
155	11.592	11.581	11.653	VV	145	4585	0.08%	0.043%
156	11.739	11.653	11.781	VV	389	18475	0.33%	0.175%
157	11.793	11.781	11.821	VV	346	4986	0.09%	0.047%
158	11.828	11.821	11.854	VV	207	3377	0.06%	0.032%
159	11.886	11.854	11.930	VV	343	10099	0.18%	0.095%
160	11.967	11.930	12.007	VV	611	14127	0.25%	0.134%
161	12.038	12.007	12.107	VV	225	8767	0.16%	0.083%
162	12.164	12.107	12.191	VV	257	8890	0.16%	0.084%
163	12.216	12.191	12.233	VV	427	9460	0.17%	0.089%
164	12.253	12.233	12.300	VV	930	14986	0.27%	0.142%
165	12.332	12.300	12.361	VV	873	14239	0.25%	0.135%
166	12.391	12.361	12.442	VV	2160	34553	0.61%	0.327%
167	12.455	12.442	12.487	VV	286	5070	0.09%	0.048%
168	12.506	12.487	12.583	VV	397	9410	0.17%	0.089%
169	12.612	12.583	12.625	PV	99	1512	0.03%	0.014%
170	12.672	12.625	12.728	VV	202	8798	0.16%	0.083%
171	12.833	12.728	12.981	VV	434898	5638413	100.00%	53.301%
172	12.998	12.981	13.098	VV	716	36157	0.64%	0.342%
173	13.106	13.098	13.178	VV	420	15742	0.28%	0.149%
174	13.194	13.178	13.245	VV	407	12224	0.22%	0.116%
175	13.252	13.245	13.257	VV	310	2233	0.04%	0.021%
176	13.268	13.257	13.312	VV	383	9224	0.16%	0.087%
177	13.336	13.312	13.361	VV	225	4850	0.09%	0.046%
178	13.395	13.361	13.412	VV	211	5305	0.09%	0.050%
179	13.446	13.412	13.507	VV	309	11754	0.21%	0.111%
180	13.539	13.507	13.564	VV	612	12966	0.23%	0.123%
181	13.589	13.564	13.661	VV	1393	30635	0.54%	0.290%
182	13.669	13.661	13.718	VV	137	3415	0.06%	0.032%
183	13.724	13.718	13.770	VV	123	1916	0.03%	0.018%
184	13.821	13.770	13.888	VV	223	7523	0.13%	0.071%
185	13.938	13.888	13.994	VV	159	4864	0.09%	0.046%
186	14.035	13.994	14.132	VV	639	22072	0.39%	0.209%
187	14.158	14.132	14.198	VV	317	6706	0.12%	0.063%
188	14.231	14.198	14.270	VV	190	6487	0.12%	0.061%
189	14.310	14.270	14.385	VV	313	13057	0.23%	0.123%
190	14.398	14.385	14.415	VV	180	2400	0.04%	0.023%
191	14.446	14.415	14.486	VV	162	6067	0.11%	0.057%
192	14.495	14.486	14.511	VV	224	2247	0.04%	0.021%
193	14.522	14.511	14.595	VV	166	5916	0.10%	0.056%
194	14.603	14.595	14.628	VV	182	2165	0.04%	0.020%

rteres

195	14.653	14.628	14.671	VV	571	9071	0.16%	0.086%
196	14.694	14.671	14.774	VV	1244	29601	0.52%	0.280%
197	14.782	14.774	14.825	VV	193	3443	0.06%	0.033%
198	14.850	14.825	14.891	VV	263	5983	0.11%	0.057%
199	14.907	14.891	14.918	VV	163	1935	0.03%	0.018%
200	14.927	14.918	14.985	VV	140	3003	0.05%	0.028%
201	15.008	14.985	15.032	PV	143	2250	0.04%	0.021%
202	15.120	15.032	15.160	VV	255	10566	0.19%	0.100%
203	15.214	15.160	15.245	VV	236	8199	0.15%	0.078%
204	15.262	15.245	15.274	VV	165	2450	0.04%	0.023%
205	15.367	15.274	15.417	VV	205	10176	0.18%	0.096%
206	15.428	15.417	15.458	VV	174	3189	0.06%	0.030%
207	15.506	15.458	15.525	VV	224	6188	0.11%	0.058%
208	15.553	15.525	15.629	VV	272	10170	0.18%	0.096%
209	15.713	15.629	15.821	VV	1033	37055	0.66%	0.350%
210	15.874	15.821	15.965	PV	250	10626	0.19%	0.100%
211	16.195	15.965	16.297	PV	412	24268	0.43%	0.229%
212	16.340	16.297	16.471	VV	235	12803	0.23%	0.121%
213	16.498	16.471	16.515	VV	170	3395	0.06%	0.032%
214	16.549	16.515	16.598	VV	306	9409	0.17%	0.089%
215	16.659	16.598	16.813	VV	1431	43622	0.77%	0.412%
216	16.842	16.813	16.888	VV	161	2896	0.05%	0.027%
217	16.947	16.888	16.988	PV	182	5233	0.09%	0.049%
218	17.109	16.988	17.187	PV	1257	32131	0.57%	0.304%
219	17.213	17.187	17.258	VV	264	6703	0.12%	0.063%
220	17.298	17.258	17.363	VV	162	6817	0.12%	0.064%
221	17.385	17.363	17.408	VV	192	3165	0.06%	0.030%
222	17.421	17.408	17.458	VV	175	3398	0.06%	0.032%
223	17.543	17.458	17.641	VV	2350	57118	1.01%	0.540%
224	17.675	17.641	17.691	VV	267	5536	0.10%	0.052%
225	17.709	17.691	17.778	VV	264	7037	0.12%	0.067%
226	17.820	17.778	17.888	PV	157	6528	0.12%	0.062%
227	17.966	17.888	18.028	PV	2115	39639	0.70%	0.375%
228	18.106	18.028	18.135	VV	145	7501	0.13%	0.071%
229	18.229	18.135	18.311	VV	318	13265	0.24%	0.125%
230	18.374	18.311	18.461	VV	2779	55676	0.99%	0.526%
231	18.552	18.461	18.576	VV	107	5960	0.11%	0.056%
232	18.636	18.576	18.655	VV	104	3577	0.06%	0.034%
233	18.772	18.655	18.858	PV	1838	40912	0.73%	0.387%
234	18.878	18.858	18.915	VV	168	4283	0.08%	0.040%
235	18.950	18.915	18.981	VV	190	4804	0.09%	0.045%
236	19.018	18.981	19.045	PV	193	3637	0.06%	0.034%
237	19.159	19.045	19.228	VV	1975	47288	0.84%	0.447%
238	19.459	19.228	19.495	VV	466	33448	0.59%	0.316%
239	19.534	19.495	19.569	VV	1444	32643	0.58%	0.309%
240	19.789	19.569	19.825	VV	935	87562	1.55%	0.828%
241	19.898	19.825	19.935	VV	2019	73465	1.30%	0.694%
242	19.955	19.935	20.001	VV	1189	41690	0.74%	0.394%
243	20.254	20.001	20.301	VV	2033	234131	4.15%	2.213%
244	20.431	20.301	20.488	VV	2221	216223	3.83%	2.044%
245	20.612	20.488	20.660	VV	2892	238485	4.23%	2.254%
246	20.752	20.660	20.804	VV	2353	196751	3.49%	1.860%

rteres

247	20.922	20.804	20.985	VV	2215	230018	4.08%	2.174%
248	21.018	20.985	21.070	VV	1989	98835	1.75%	0.934%
249	21.124	21.070	21.162	VV	1872	99050	1.76%	0.936%
250	21.195	21.162	21.211	VV	1767	49110	0.87%	0.464%
251	21.233	21.211	21.287	VV	1673	75686	1.34%	0.715%
252	21.305	21.287	21.401	VV	1574	96781	1.72%	0.915%
253	21.465	21.401	21.603	VV	1688	161209	2.86%	1.524%
254	21.655	21.603	21.685	VV	989	47463	0.84%	0.449%
255	21.725	21.685	21.751	VV	919	34692	0.62%	0.328%
256	21.770	21.751	21.788	VV	750	16721	0.30%	0.158%
257	21.823	21.788	21.861	VV	763	28017	0.50%	0.265%
258	21.909	21.861	22.018	VV	572	41014	0.73%	0.388%
259	22.043	22.018	22.069	VV	287	7378	0.13%	0.070%
260	22.092	22.069	22.156	VV	217	6352	0.11%	0.060%

Sum of corrected areas: 10578410

Aliphatic EPH 030625.M Tue Mar 11 13:54:00 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049186.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 12:25
Operator : YP/AJ
Sample : Q1514-09
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
FB03062025

Integration File: autoint1.e
Quant Time: Mar 11 14:00:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
Quant Title : GC Extractables
QLast Update : Mon Mar 10 10:50:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.349	7237617	47.598 ug/ml
Spiked Amount 50.000		Recovery =	95.20%
6) S 2-Flurobiphenyl (SURR)	8.201	4077938	51.199 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	102.40%
11) S ortho-Terphenyl (SURR)	11.233	8150096	46.624 ug/ml
Spiked Amount 50.000		Recovery =	93.25%
Target Compounds			

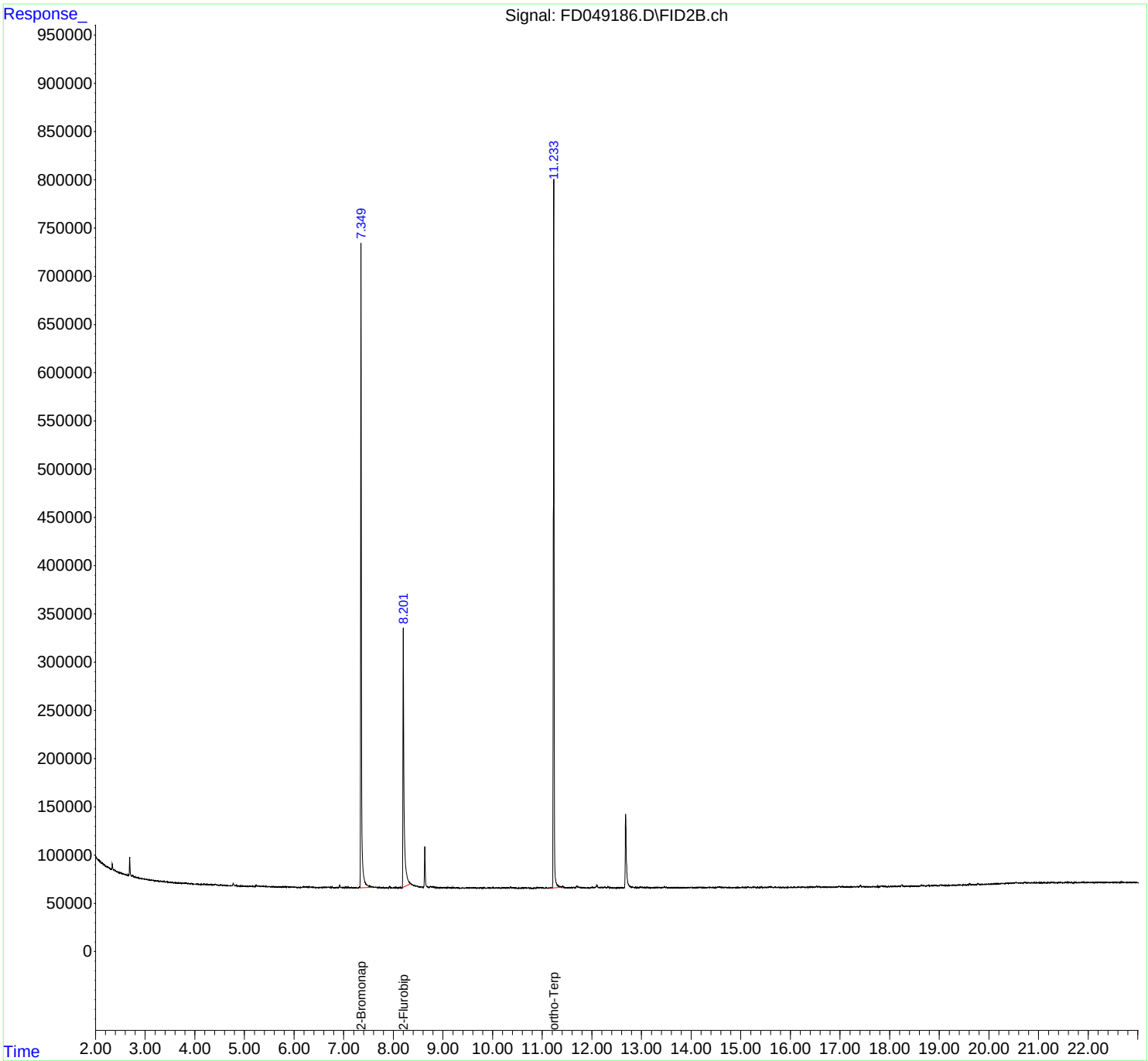
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049186.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 12:25
Operator : YP/AJ
Sample : Q1514-09
Misc :
ALS Vial : 67 Sample Multiplier: 1

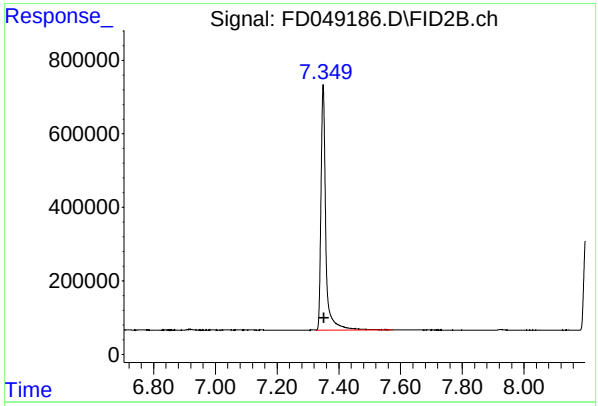
Instrument :
FID_D
ClientSampleId :
FB03062025

Integration File: autoint1.e
Quant Time: Mar 11 14:00:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
Quant Title : GC Extractables
QLast Update : Mon Mar 10 10:50:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

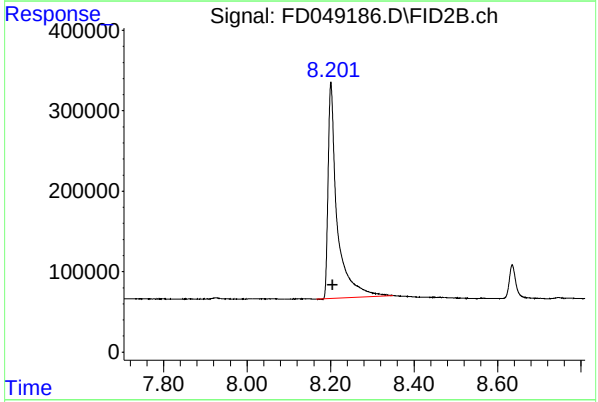


Instrument :
FID_D
ClientSampleId :
FB03062025



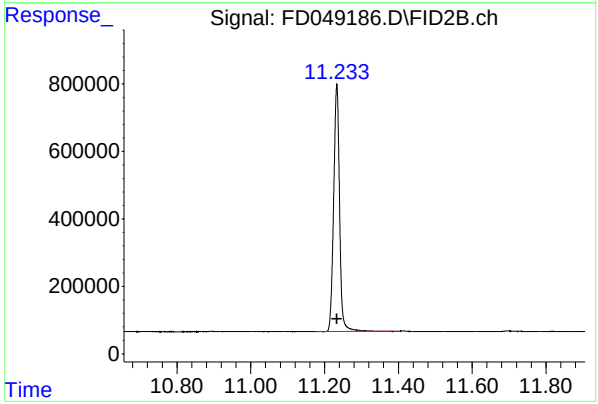
#4 2-Bromonaphthalene (SURR)

R.T.: 7.349 min
Delta R.T.: -0.003 min
Response: 7237617
Conc: 47.60 ug/ml



#6 2-Flurobiphenyl (SURR)

R.T.: 8.201 min
Delta R.T.: -0.004 min
Response: 4077938
Conc: 51.20 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.233 min
Delta R.T.: 0.000 min
Response: 8150096
Conc: 46.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049186.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 12:25
Sample : Q1514-09
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.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	4.080	4.075	4.094	VV	328	1038	0.01%	0.004%
2	4.102	4.094	4.114	VV	162	1396	0.02%	0.005%
3	4.124	4.114	4.137	VV	351	2556	0.03%	0.010%
4	4.155	4.137	4.170	PV	312	4814	0.06%	0.019%
5	4.178	4.170	4.237	VV	593	18602	0.23%	0.073%
6	4.255	4.237	4.262	VV	576	6749	0.08%	0.026%
7	4.265	4.262	4.282	VV	443	4244	0.05%	0.017%
8	4.327	4.282	4.363	VV	781	21988	0.27%	0.086%
9	4.381	4.363	4.397	VV	842	11930	0.14%	0.047%
10	4.412	4.397	4.464	VV	1064	26075	0.32%	0.102%
11	4.469	4.464	4.475	VV	429	2564	0.03%	0.010%
12	4.477	4.475	4.483	VV	371	1426	0.02%	0.006%
13	4.487	4.483	4.498	VV	358	2781	0.03%	0.011%
14	4.515	4.498	4.544	VV	620	12063	0.15%	0.047%
15	4.548	4.544	4.570	VV	357	3963	0.05%	0.016%
16	4.582	4.570	4.633	VV	545	11488	0.14%	0.045%
17	4.636	4.633	4.679	VV	281	5114	0.06%	0.020%
18	4.698	4.679	4.709	PV	367	2761	0.03%	0.011%
19	4.724	4.709	4.734	VV	374	3757	0.05%	0.015%
20	4.738	4.734	4.749	VV	313	1657	0.02%	0.006%
21	4.774	4.749	4.816	VV	2958	45245	0.55%	0.177%
22	4.835	4.816	4.875	VV	849	14553	0.18%	0.057%
23	4.880	4.875	4.892	VV	256	1640	0.02%	0.006%
24	4.899	4.892	4.907	VV	274	1623	0.02%	0.006%
25	4.911	4.907	4.943	VV	230	2696	0.03%	0.011%
26	4.948	4.943	4.960	VV	303	1619	0.02%	0.006%
27	4.964	4.960	4.982	VV	248	2093	0.03%	0.008%
28	4.988	4.982	5.024	VV	306	4802	0.06%	0.019%
29	5.031	5.024	5.044	VV	300	1514	0.02%	0.006%
30	5.053	5.044	5.072	PV	320	3000	0.04%	0.012%
31	5.080	5.072	5.117	VV	320	5333	0.06%	0.021%
32	5.122	5.117	5.130	VV	402	2107	0.03%	0.008%
33	5.134	5.130	5.142	VV	308	1704	0.02%	0.007%
34	5.150	5.142	5.159	VV	431	2476	0.03%	0.010%
35	5.165	5.159	5.182	VV	317	2108	0.03%	0.008%
36	5.188	5.182	5.205	VV	176	1510	0.02%	0.006%

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37	5.231	5.205	5.255	VV	1254	22532	0.27%	0.088%
38	5.260	5.255	5.274	VV	707	6671	0.08%	0.026%
39	5.282	5.274	5.294	VV	761	7442	0.09%	0.029%
40	5.296	5.294	5.319	VV	639	7481	0.09%	0.029%
41	5.330	5.319	5.347	VV	507	7419	0.09%	0.029%
42	5.351	5.347	5.412	VV	511	15384	0.19%	0.060%
43	5.425	5.412	5.434	VV	370	2587	0.03%	0.010%
44	5.444	5.434	5.460	VV	356	2954	0.04%	0.012%
45	5.477	5.469	5.490	VV	284	2168	0.03%	0.008%
46	5.497	5.490	5.506	VV	317	2072	0.03%	0.008%
47	5.513	5.506	5.524	VV	250	1612	0.02%	0.006%
48	5.537	5.524	5.542	VV	263	1610	0.02%	0.006%
49	5.553	5.542	5.562	VV	270	2505	0.03%	0.010%
50	5.588	5.562	5.635	VV	378	9263	0.11%	0.036%
51	5.645	5.635	5.659	VV	297	2342	0.03%	0.009%
52	5.703	5.669	5.720	PV	425	7401	0.09%	0.029%
53	5.730	5.720	5.746	VV	348	3786	0.05%	0.015%
54	5.760	5.746	5.807	VV	549	9899	0.12%	0.039%
55	5.810	5.807	5.823	VV	308	1801	0.02%	0.007%
56	5.837	5.823	5.847	VV	510	5424	0.07%	0.021%
57	5.853	5.847	5.856	VV	515	2392	0.03%	0.009%
58	5.867	5.856	5.891	VV	933	10357	0.13%	0.041%
59	5.902	5.891	5.917	VV	277	2538	0.03%	0.010%
60	5.957	5.917	5.981	VV	566	13056	0.16%	0.051%
61	5.995	5.981	6.002	VV	538	5005	0.06%	0.020%
62	6.003	6.002	6.022	VV	466	2659	0.03%	0.010%
63	6.040	6.022	6.072	VV	362	4526	0.05%	0.018%
64	6.103	6.099	6.135	VV	222	3328	0.04%	0.013%
65	6.139	6.135	6.164	VV	233	3341	0.04%	0.013%
66	6.178	6.164	6.208	VV	867	17749	0.22%	0.069%
67	6.227	6.208	6.270	VV	909	18375	0.22%	0.072%
68	6.312	6.270	6.351	VV	925	24415	0.30%	0.096%
69	6.361	6.351	6.369	VV	415	3556	0.04%	0.014%
70	6.383	6.369	6.392	VV	585	5865	0.07%	0.023%
71	6.397	6.392	6.420	VV	433	3987	0.05%	0.016%
72	6.429	6.420	6.434	PV	218	1188	0.01%	0.005%
73	6.445	6.434	6.458	VV	211	2094	0.03%	0.008%
74	6.472	6.469	6.502	VV	122	1681	0.02%	0.007%
75	6.506	6.502	6.526	VV	261	2043	0.02%	0.008%
76	6.545	6.526	6.554	VV	276	3498	0.04%	0.014%
77	6.592	6.562	6.617	VV	612	11260	0.14%	0.044%
78	6.637	6.623	6.659	VV	859	10835	0.13%	0.042%
79	6.665	6.659	6.676	VV	634	5713	0.07%	0.022%
80	6.689	6.676	6.709	VV	867	12139	0.15%	0.047%
81	6.718	6.709	6.735	VV	674	6302	0.08%	0.025%
82	6.740	6.735	6.744	VV	329	1317	0.02%	0.005%
83	6.763	6.744	6.791	VV	916	15468	0.19%	0.061%
84	6.838	6.802	6.866	VV	453	11647	0.14%	0.046%
85	6.869	6.866	6.884	VV	402	2420	0.03%	0.009%
86	6.917	6.884	6.975	VV	2221	39301	0.48%	0.154%
87	6.991	6.975	7.018	VV	646	11586	0.14%	0.045%
88	7.036	7.018	7.064	VV	776	15179	0.18%	0.059%
89	7.074	7.064	7.080	VV	821	6732	0.08%	0.026%

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90	7.084	7.080	7.103	VV	664	7871	0.10%	0.031%
91	7.117	7.103	7.136	VV	740	10522	0.13%	0.041%
92	7.152	7.136	7.184	VV	753	11017	0.13%	0.043%
93	7.205	7.184	7.214	VV	490	4376	0.05%	0.017%
94	7.217	7.214	7.233	VV	274	2099	0.03%	0.008%
95	7.257	7.233	7.275	VV	369	4183	0.05%	0.016%
96	7.318	7.275	7.326	PV	1080	14139	0.17%	0.055%
97	7.349	7.326	7.504	VV	668622	7271791	88.20%	28.450%
98	7.509	7.504	7.529	VV	1939	27347	0.33%	0.107%
99	7.533	7.529	7.598	VV	1549	49630	0.60%	0.194%
100	7.603	7.598	7.617	VV	1037	9776	0.12%	0.038%
101	7.637	7.617	7.679	VV	1021	30932	0.38%	0.121%
102	7.691	7.679	7.748	VV	807	25018	0.30%	0.098%
103	7.755	7.748	7.789	VV	515	10525	0.13%	0.041%
104	7.799	7.789	7.809	VV	507	4919	0.06%	0.019%
105	7.812	7.809	7.819	VV	335	1914	0.02%	0.007%
106	7.822	7.819	7.825	VV	345	1151	0.01%	0.005%
107	7.829	7.825	7.840	VV	341	2363	0.03%	0.009%
108	7.853	7.840	7.876	VV	492	7575	0.09%	0.030%
109	7.886	7.876	7.894	VV	389	2893	0.04%	0.011%
110	7.925	7.894	7.965	VV	1959	32874	0.40%	0.129%
111	7.975	7.965	7.981	VV	400	2809	0.03%	0.011%
112	7.990	7.981	8.000	VV	433	4023	0.05%	0.016%
113	8.018	8.000	8.049	VV	595	14536	0.18%	0.057%
114	8.053	8.049	8.099	VV	649	10752	0.13%	0.042%
115	8.146	8.099	8.176	VV	668	17077	0.21%	0.067%
116	8.201	8.176	8.454	VV	266203	4542826	55.10%	17.773%
117	8.462	8.454	8.550	VV	2485	97090	1.18%	0.380%
118	8.566	8.550	8.607	VV	1318	38300	0.46%	0.150%
119	8.635	8.607	8.720	VV	42980	529594	6.42%	2.072%
120	8.746	8.720	8.762	VV	2182	35778	0.43%	0.140%
121	8.772	8.762	8.819	VV	1616	40419	0.49%	0.158%
122	8.832	8.819	8.860	VV	1113	21215	0.26%	0.083%
123	8.877	8.860	8.888	VV	908	11543	0.14%	0.045%
124	8.900	8.888	8.910	VV	887	9449	0.11%	0.037%
125	8.928	8.910	8.944	VV	727	13266	0.16%	0.052%
126	8.951	8.944	8.965	VV	743	7556	0.09%	0.030%
127	8.978	8.965	9.009	VV	738	12864	0.16%	0.050%
128	9.021	9.009	9.074	VV	770	22815	0.28%	0.089%
129	9.098	9.074	9.154	VV	1016	25955	0.31%	0.102%
130	9.179	9.154	9.205	VV	557	11606	0.14%	0.045%
131	9.211	9.205	9.253	VV	496	10661	0.13%	0.042%
132	9.265	9.253	9.298	VV	477	9767	0.12%	0.038%
133	9.311	9.298	9.345	VV	581	9471	0.11%	0.037%
134	9.392	9.345	9.401	VV	377	8725	0.11%	0.034%
135	9.407	9.401	9.444	VV	426	5929	0.07%	0.023%
136	9.468	9.444	9.487	VV	411	8476	0.10%	0.033%
137	9.540	9.487	9.572	VV	771	22149	0.27%	0.087%
138	9.615	9.572	9.642	VV	572	18761	0.23%	0.073%
139	9.661	9.642	9.686	VV	424	8290	0.10%	0.032%
140	9.714	9.686	9.739	VV	453	8571	0.10%	0.034%
141	9.767	9.739	9.779	VV	403	7848	0.10%	0.031%

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142	9.800	9.779	9.811	VV	556	8003	0.10%	0.031%
143	9.825	9.811	9.857	VV	568	11397	0.14%	0.045%
144	9.866	9.857	9.884	VV	337	4078	0.05%	0.016%
145	9.915	9.884	9.927	VV	467	9158	0.11%	0.036%
146	9.944	9.927	9.960	VV	611	8243	0.10%	0.032%
147	9.978	9.960	9.992	VV	557	8115	0.10%	0.032%
148	10.015	9.992	10.037	VV	937	15631	0.19%	0.061%
149	10.068	10.037	10.088	VV	472	9663	0.12%	0.038%
150	10.109	10.088	10.121	VV	576	7613	0.09%	0.030%
151	10.140	10.121	10.174	VV	555	11611	0.14%	0.045%
152	10.223	10.174	10.243	VV	760	21827	0.26%	0.085%
153	10.263	10.243	10.283	VV	672	12471	0.15%	0.049%
154	10.298	10.283	10.325	VV	743	12850	0.16%	0.050%
155	10.366	10.325	10.394	VV	1418	28441	0.34%	0.111%
156	10.410	10.394	10.441	VV	589	13383	0.16%	0.052%
157	10.464	10.441	10.515	VV	649	17364	0.21%	0.068%
158	10.534	10.515	10.557	VV	507	8445	0.10%	0.033%
159	10.577	10.557	10.595	VV	460	8295	0.10%	0.032%
160	10.613	10.595	10.625	VV	680	8182	0.10%	0.032%
161	10.632	10.625	10.652	VV	529	6735	0.08%	0.026%
162	10.666	10.652	10.699	VV	764	13115	0.16%	0.051%
163	10.722	10.699	10.800	VV	422	17936	0.22%	0.070%
164	10.821	10.800	10.855	PV	444	7817	0.09%	0.031%
165	10.866	10.855	10.877	VV	514	4679	0.06%	0.018%
166	10.894	10.877	10.938	VV	1406	26518	0.32%	0.104%
167	10.956	10.938	10.976	VV	1123	19336	0.23%	0.076%
168	10.988	10.976	11.048	VV	725	21857	0.27%	0.086%
169	11.078	11.048	11.127	VV	773	21648	0.26%	0.085%
170	11.145	11.127	11.159	VV	477	6628	0.08%	0.026%
171	11.181	11.159	11.197	VV	470	8336	0.10%	0.033%
172	11.233	11.197	11.390	VV	737516	8244233	100.00%	32.255%
173	11.412	11.390	11.454	VV	2428	54219	0.66%	0.212%
174	11.459	11.454	11.482	VV	926	12244	0.15%	0.048%
175	11.502	11.482	11.531	VV	735	18927	0.23%	0.074%
176	11.540	11.531	11.550	VV	704	7210	0.09%	0.028%
177	11.577	11.550	11.585	VV	826	14837	0.18%	0.058%
178	11.597	11.585	11.619	VV	891	14791	0.18%	0.058%
179	11.635	11.619	11.674	VV	1017	24971	0.30%	0.098%
180	11.695	11.674	11.786	VV	2532	80166	0.97%	0.314%
181	11.815	11.786	11.879	VV	986	32932	0.40%	0.129%
182	11.886	11.879	11.909	VV	462	7933	0.10%	0.031%
183	11.912	11.909	11.956	VV	461	9632	0.12%	0.038%
184	12.006	11.956	12.024	VV	934	24263	0.29%	0.095%
185	12.037	12.024	12.062	VV	978	19413	0.24%	0.076%
186	12.100	12.062	12.147	VV	3544	73088	0.89%	0.286%
187	12.172	12.147	12.190	VV	808	17432	0.21%	0.068%
188	12.204	12.190	12.225	VV	1016	15060	0.18%	0.059%
189	12.255	12.225	12.279	VV	1828	31177	0.38%	0.122%
190	12.289	12.279	12.302	VV	750	8415	0.10%	0.033%
191	12.328	12.302	12.405	VV	1557	42831	0.52%	0.168%
192	12.407	12.405	12.427	VV	407	3329	0.04%	0.013%
193	12.436	12.427	12.462	VV	279	4660	0.06%	0.018%
194	12.498	12.462	12.510	VV	374	8211	0.10%	0.032%

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195	12.520	12.510	12.531	VV	457	4803	0.06%	0.019%
196	12.542	12.531	12.572	VV	435	8711	0.11%	0.034%
197	12.604	12.572	12.627	VV	566	12216	0.15%	0.048%
198	12.681	12.627	12.805	VV	76433	1324377	16.06%	5.182%
199	12.808	12.805	12.902	VV	1053	43631	0.53%	0.171%
200	12.910	12.902	12.939	VV	557	10254	0.12%	0.040%
201	12.976	12.939	13.025	VV	1208	41046	0.50%	0.161%
202	13.039	13.025	13.082	VV	817	21208	0.26%	0.083%
203	13.127	13.082	13.153	VV	940	26284	0.32%	0.103%
204	13.171	13.153	13.222	VV	479	14889	0.18%	0.058%
205	13.240	13.222	13.263	VV	550	9371	0.11%	0.037%
206	13.297	13.263	13.310	VV	627	13884	0.17%	0.054%
207	13.323	13.310	13.337	VV	661	8058	0.10%	0.032%
208	13.350	13.337	13.362	VV	549	7513	0.09%	0.029%
209	13.365	13.362	13.399	VV	566	9144	0.11%	0.036%
210	13.419	13.399	13.427	VV	802	10019	0.12%	0.039%
211	13.464	13.427	13.505	VV	1268	37492	0.45%	0.147%
212	13.513	13.505	13.534	VV	596	7383	0.09%	0.029%
213	13.552	13.534	13.590	VV	438	10659	0.13%	0.042%
214	13.603	13.590	13.629	VV	419	6842	0.08%	0.027%
215	13.640	13.629	13.662	VV	372	5438	0.07%	0.021%
216	13.691	13.662	13.699	VV	388	6702	0.08%	0.026%
217	13.727	13.699	13.768	VV	436	12483	0.15%	0.049%
218	13.784	13.768	13.799	VV	376	5234	0.06%	0.020%
219	13.821	13.799	13.855	VV	449	10402	0.13%	0.041%
220	13.877	13.855	13.907	VV	544	10377	0.13%	0.041%
221	13.940	13.907	13.976	VV	506	15384	0.19%	0.060%
222	14.000	13.976	14.065	VV	421	17367	0.21%	0.068%
223	14.091	14.065	14.120	VV	529	10482	0.13%	0.041%
224	14.151	14.120	14.175	VV	757	15469	0.19%	0.061%
225	14.202	14.175	14.254	VV	512	17644	0.21%	0.069%
226	14.262	14.254	14.277	VV	294	3660	0.04%	0.014%
227	14.288	14.277	14.322	VV	409	8328	0.10%	0.033%
228	14.351	14.322	14.362	VV	563	9610	0.12%	0.038%
229	14.374	14.362	14.417	VV	639	12184	0.15%	0.048%
230	14.437	14.417	14.490	VV	484	14710	0.18%	0.058%
231	14.569	14.490	14.612	VV	1102	43293	0.53%	0.169%
232	14.649	14.612	14.674	VV	453	12556	0.15%	0.049%
233	14.694	14.674	14.741	VV	623	13717	0.17%	0.054%
234	14.774	14.741	14.820	PV	339	10397	0.13%	0.041%
235	14.831	14.820	14.839	VV	324	2184	0.03%	0.009%
236	14.853	14.839	14.899	VV	363	7443	0.09%	0.029%
237	14.905	14.899	14.914	VV	259	1462	0.02%	0.006%
238	14.946	14.914	14.959	VV	402	6433	0.08%	0.025%
239	14.966	14.959	14.989	VV	361	5337	0.06%	0.021%
240	15.014	14.989	15.027	VV	453	8057	0.10%	0.032%
241	15.034	15.027	15.065	VV	590	7464	0.09%	0.029%
242	15.071	15.065	15.094	VV	419	5433	0.07%	0.021%
243	15.104	15.094	15.119	VV	373	5071	0.06%	0.020%
244	15.137	15.119	15.153	VV	696	10907	0.13%	0.043%
245	15.161	15.153	15.185	VV	540	8982	0.11%	0.035%
246	15.195	15.185	15.220	VV	445	7137	0.09%	0.028%

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247	15.229	15.220	15.240	VV	498	4410	0.05%	0.017%
248	15.258	15.240	15.319	VV	596	17966	0.22%	0.070%
249	15.326	15.319	15.334	VV	362	2746	0.03%	0.011%
250	15.349	15.334	15.363	VV	434	5848	0.07%	0.023%
251	15.371	15.363	15.384	VV	358	3513	0.04%	0.014%
252	15.410	15.384	15.499	VV	621	19716	0.24%	0.077%
253	15.508	15.499	15.534	VV	287	3386	0.04%	0.013%
254	15.589	15.534	15.669	VV	1043	39049	0.47%	0.153%
255	15.681	15.669	15.715	VV	451	9829	0.12%	0.038%
256	15.722	15.715	15.735	VV	287	2380	0.03%	0.009%
257	15.767	15.735	15.804	VV	401	10017	0.12%	0.039%
258	15.819	15.804	15.848	VV	348	4871	0.06%	0.019%
259	15.863	15.848	15.873	VV	238	2659	0.03%	0.010%
260	15.880	15.873	15.945	VV	320	8084	0.10%	0.032%
261	15.953	15.945	15.965	VV	199	2199	0.03%	0.009%
262	15.976	15.965	15.994	PV	288	3357	0.04%	0.013%
263	16.015	15.994	16.030	VV	366	5470	0.07%	0.021%
264	16.041	16.030	16.059	VV	348	4226	0.05%	0.017%
265	16.080	16.059	16.124	VV	508	12529	0.15%	0.049%
266	16.130	16.124	16.137	VV	276	1845	0.02%	0.007%
267	16.155	16.137	16.207	VV	403	10618	0.13%	0.042%
268	16.254	16.207	16.279	VV	485	12816	0.16%	0.050%
269	16.284	16.279	16.307	VV	263	3252	0.04%	0.013%
270	16.335	16.307	16.355	VV	272	5261	0.06%	0.021%
271	16.385	16.355	16.412	VV	450	11278	0.14%	0.044%
272	16.421	16.412	16.458	VV	493	8601	0.10%	0.034%
273	16.468	16.458	16.480	VV	379	3953	0.05%	0.015%
274	16.530	16.480	16.562	VV	1081	30238	0.37%	0.118%
275	16.576	16.562	16.630	VV	789	20333	0.25%	0.080%
276	16.655	16.630	16.707	VV	316	9892	0.12%	0.039%
277	16.713	16.707	16.722	VV	256	1462	0.02%	0.006%
278	16.732	16.722	16.741	VV	214	1817	0.02%	0.007%
279	16.756	16.741	16.768	VV	309	3335	0.04%	0.013%
280	16.782	16.768	16.812	VV	333	5561	0.07%	0.022%
281	16.822	16.812	16.847	VV	212	2978	0.04%	0.012%
282	16.870	16.847	16.902	PV	329	6160	0.07%	0.024%
283	16.928	16.902	16.945	VV	298	5951	0.07%	0.023%
284	16.983	16.945	17.019	VV	860	24509	0.30%	0.096%
285	17.041	17.019	17.072	VV	711	12634	0.15%	0.049%
286	17.080	17.072	17.109	VV	302	4556	0.06%	0.018%
287	17.139	17.109	17.155	VV	408	7586	0.09%	0.030%
288	17.172	17.155	17.196	VV	488	6713	0.08%	0.026%
289	17.208	17.196	17.231	VV	411	5534	0.07%	0.022%
290	17.281	17.231	17.324	VV	346	15793	0.19%	0.062%
291	17.331	17.324	17.354	VV	415	5836	0.07%	0.023%
292	17.359	17.354	17.375	VV	355	4226	0.05%	0.017%
293	17.411	17.375	17.464	VV	1504	39317	0.48%	0.154%
294	17.478	17.464	17.493	VV	329	5322	0.06%	0.021%
295	17.518	17.493	17.544	VV	373	8281	0.10%	0.032%
296	17.555	17.544	17.587	VV	270	4397	0.05%	0.017%
297	17.593	17.587	17.620	VV	208	2355	0.03%	0.009%
298	17.659	17.620	17.689	VV	444	10720	0.13%	0.042%
299	17.697	17.689	17.710	VV	345	3032	0.04%	0.012%

rteres

300	17.719	17.710	17.730	VV	295	2801	0.03%	0.011%
301	17.762	17.730	17.775	VV	400	5960	0.07%	0.023%
302	17.784	17.775	17.794	VV	215	1644	0.02%	0.006%
303	17.831	17.794	17.874	VV	1332	31754	0.39%	0.124%
304	17.883	17.874	17.912	VV	482	9266	0.11%	0.036%
305	17.926	17.912	17.939	VV	541	5037	0.06%	0.020%
306	18.017	17.939	18.030	PV	384	11803	0.14%	0.046%
307	18.065	18.030	18.082	VV	448	10983	0.13%	0.043%
308	18.099	18.082	18.129	VV	477	10035	0.12%	0.039%
309	18.143	18.129	18.155	VV	316	4989	0.06%	0.020%
310	18.173	18.155	18.187	VV	457	6099	0.07%	0.024%
311	18.194	18.187	18.202	VV	358	2688	0.03%	0.011%
312	18.241	18.202	18.307	VV	1758	44767	0.54%	0.175%
313	18.324	18.307	18.342	VV	355	4661	0.06%	0.018%
314	18.348	18.342	18.362	VV	396	2254	0.03%	0.009%
315	18.395	18.362	18.429	VV	324	8121	0.10%	0.032%
316	18.442	18.429	18.457	VV	271	3212	0.04%	0.013%
317	18.489	18.457	18.525	VV	282	6780	0.08%	0.027%
318	18.533	18.525	18.555	VV	162	2192	0.03%	0.009%
319	18.635	18.555	18.689	PV	921	34036	0.41%	0.133%
320	18.702	18.689	18.744	VV	358	7731	0.09%	0.030%

Sum of corrected areas: 25559642

Aromatic EPH 030725.M Tue Mar 11 14:14:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068390.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 08:37
Operator : YP/AJ
Sample : PB167056BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167056BL

Integration File: autoint1.e
Quant Time: Mar 11 13:40:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Quant Title : GC Extractables
QLast Update : Thu Mar 06 12:39:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.832	4133056	35.684 ug/ml
Spiked Amount 50.000		Recovery = 71.37%	
Target Compounds			

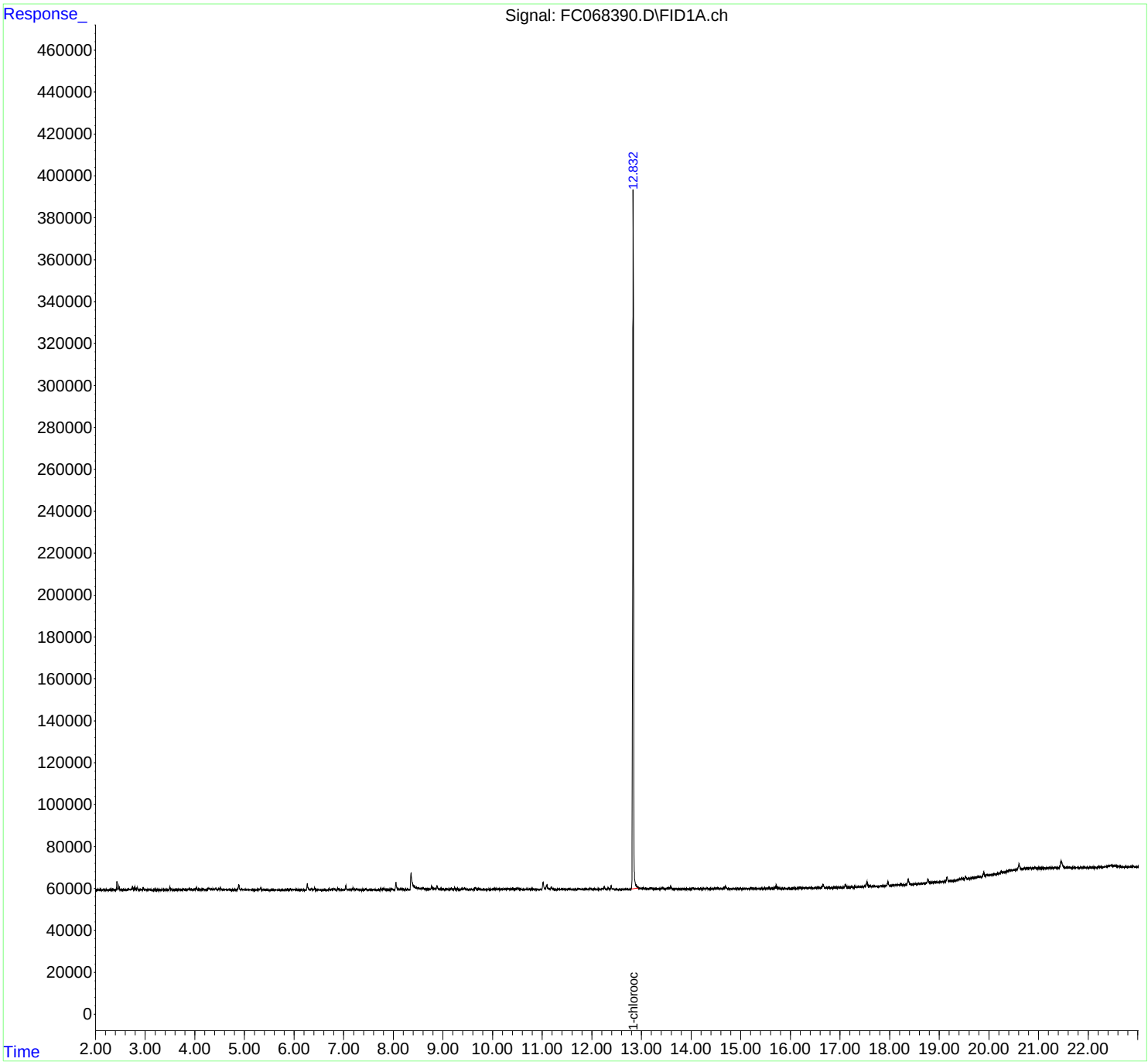
(f)=RT Delta > 1/2 Window (m)=manual int.

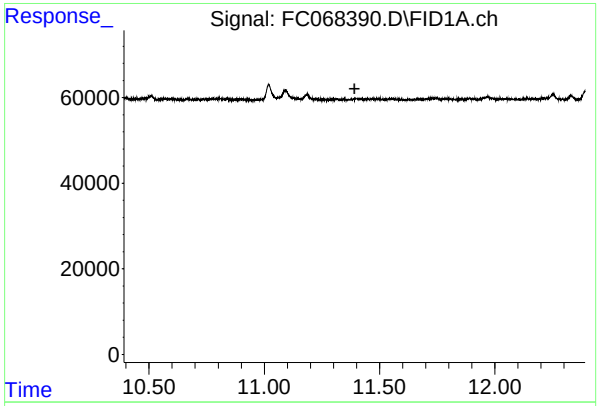
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068390.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 08:37
Operator : YP/AJ
Sample : PB167056BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167056BL

Integration File: autoint1.e
Quant Time: Mar 11 13:40:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Quant Title : GC Extractables
QLast Update : Thu Mar 06 12:39:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

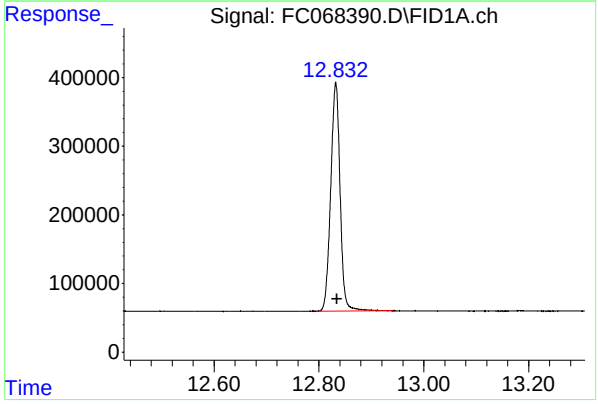




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.391 min
Response: 0
Conc: N.D.

Instrument :
FID_C
ClientSampleId :
PB167056BL



#12 1-chlorooctadecane (SURR)

R.T.: 12.832 min
Delta R.T.: -0.002 min
Response: 4133056
Conc: 35.68 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068390.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 08:37
Sample : PB167056BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.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	12.832	12.795	12.941	BB	331645	4133056	100.00%	100.000%

Sum of corrected areas: 4133056

Aliphatic EPH 030625.M Tue Mar 11 13:51:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049180.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 08:37
Operator : YP/AJ
Sample : PB167056BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167056BL

Integration File: autoint1.e
Quant Time: Mar 11 13:58:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
Quant Title : GC Extractables
QLast Update : Mon Mar 10 10:50:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.350	8309413	54.647 ug/ml
Spiked Amount 50.000		Recovery = 109.29%	
6) S 2-Flurobiphenyl (SURR)	8.201	4671364	58.650 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 117.30%	
11) S ortho-Terphenyl (SURR)	11.233	7869757	45.020 ug/ml
Spiked Amount 50.000		Recovery = 90.04%	
Target Compounds			

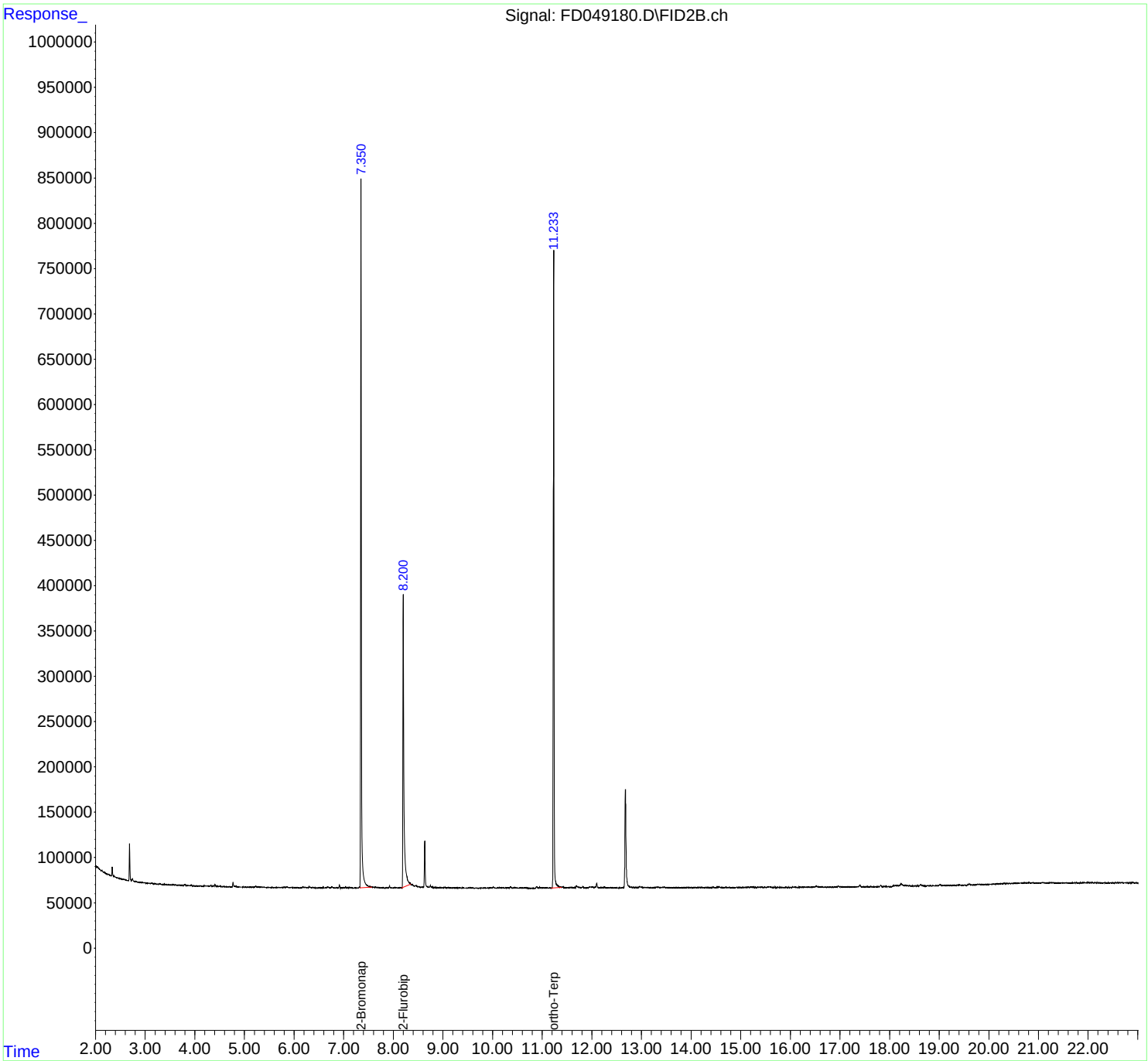
(f)=RT Delta > 1/2 Window (m)=manual int.

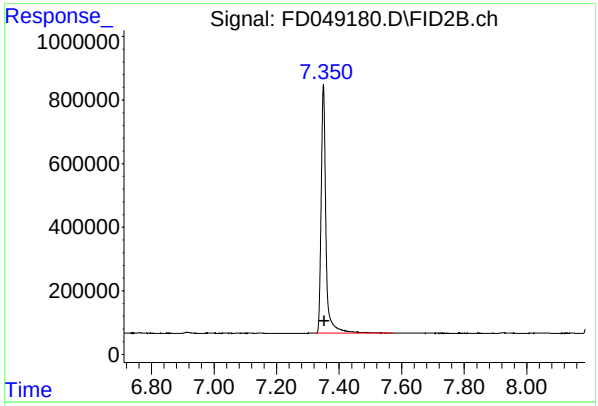
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049180.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 08:37
Operator : YP/AJ
Sample : PB167056BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167056BL

Integration File: autoint1.e
Quant Time: Mar 11 13:58:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
Quant Title : GC Extractables
QLast Update : Mon Mar 10 10:50:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

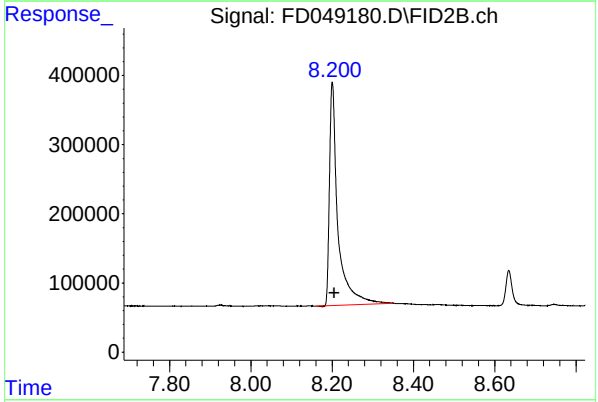




#4 2-Bromonaphthalene (SURR)

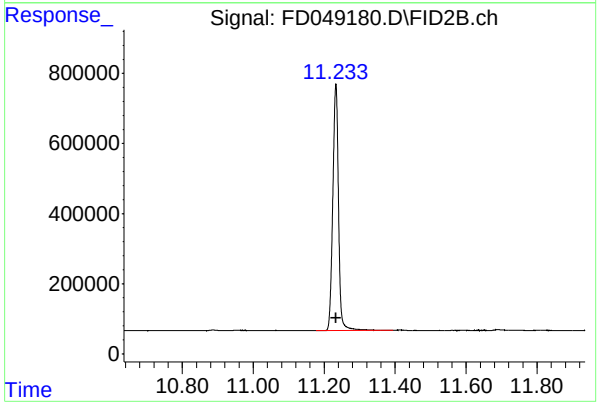
R.T.: 7.350 min
Delta R.T.: -0.003 min
Response: 8309413
Conc: 54.65 ug/ml

Instrument :
FID_D
ClientSampleId :
PB167056BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.201 min
Delta R.T.: -0.004 min
Response: 4671364
Conc: 58.65 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.233 min
Delta R.T.: 0.000 min
Response: 7869757
Conc: 45.02 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049180.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 08:37
Sample : PB167056BL
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.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	7.350	7.326	7.572	VB	782615	8309413	100.00%	39.852%
2	8.201	8.160	8.350	BBA	322987	4671364	56.22%	22.404%
3	11.233	11.177	11.394	BV	705090	7869757	94.71%	37.744%
			Sum of corrected areas:			20850534		

Aromatic EPH 030725.M Tue Mar 11 14:12:10 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015629.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 16:47
Operator : YP\AJ
Sample : PB167058BL
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167058BL

Integration File: autoint1.e
Quant Time: Mar 11 03:21:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.986	6103809	52.432 ug/ml
Spiked Amount 50.000		Recovery = 104.86%	
6) S 2-Flurobiphenyl (SURR)	8.864	3965538	55.671 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 111.34%	
11) S ortho-Terphenyl (SURR)	11.928	6277057	42.671 ug/ml
Spiked Amount 50.000		Recovery = 85.34%	
Target Compounds			

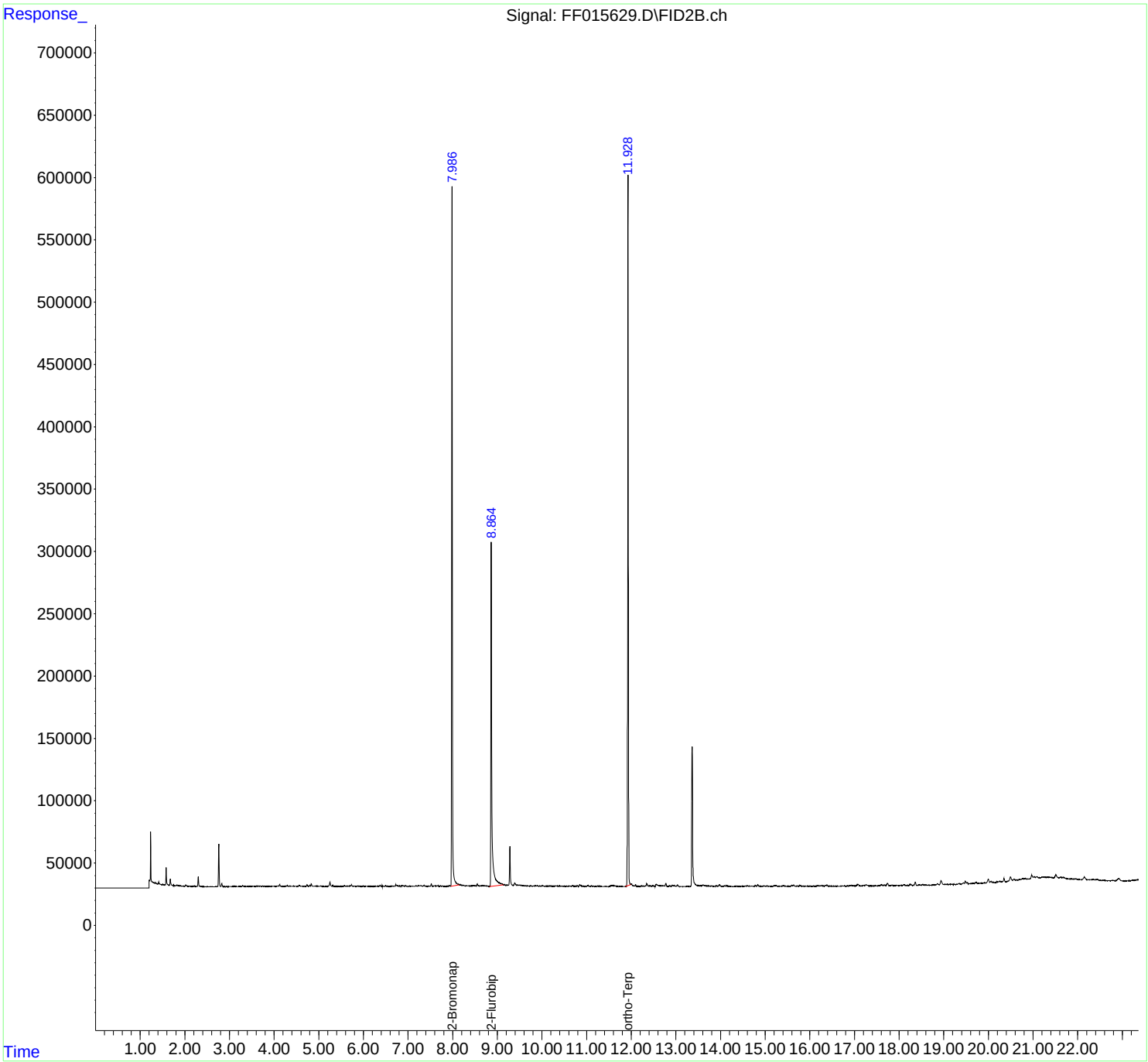
(f)=RT Delta > 1/2 Window (m)=manual int.

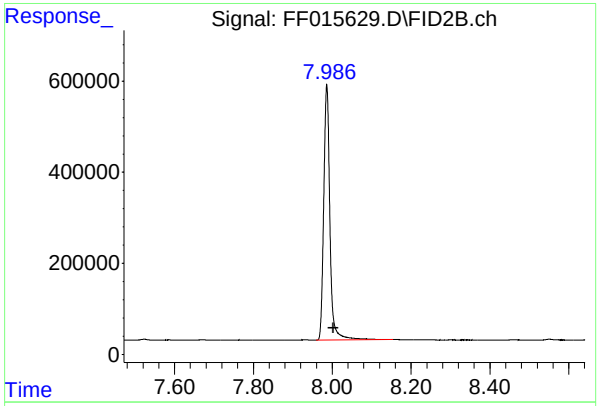
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015629.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 16:47
Operator : YP\AJ
Sample : PB167058BL
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167058BL

Integration File: autoint1.e
Quant Time: Mar 11 03:21:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

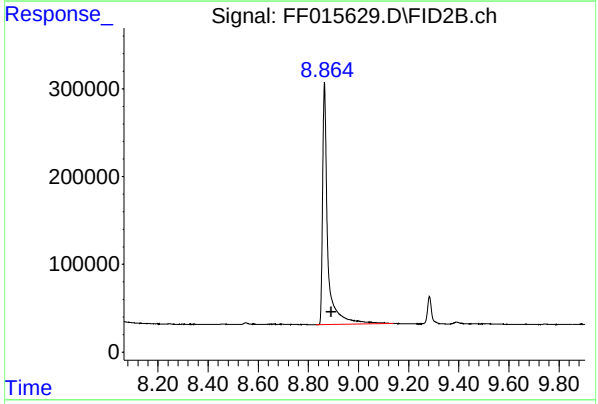




#4 2-Bromonaphthalene (SURR)

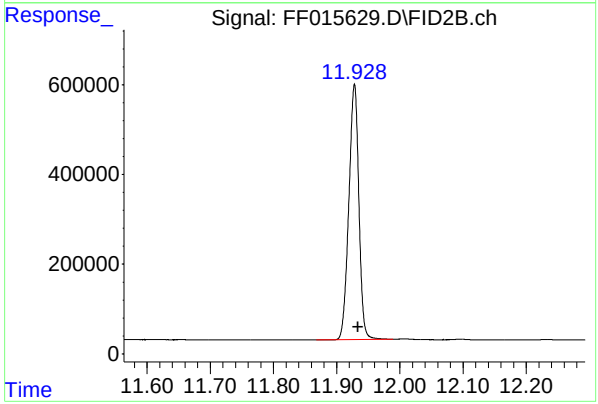
R.T.: 7.986 min
Delta R.T.: -0.017 min
Response: 6103809
Conc: 52.43 ug/ml

Instrument :
FID_F
ClientSampleId :
PB167058BL



#6 2-Flurobiphenyl (SURR)

R.T.: 8.864 min
Delta R.T.: -0.027 min
Response: 3965538
Conc: 55.67 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.928 min
Delta R.T.: -0.005 min
Response: 6277057
Conc: 42.67 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015629.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 16:47
Sample : PB167058BL
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.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	7.986	7.959	8.154	BB	561935	6103809	97.24%	37.340%
2	8.864	8.831	9.137	BB	275614	3965538	63.18%	24.259%
3	11.928	11.867	11.989	BV	569136	6277057	100.00%	38.400%
			Sum of corrected areas:			16346404		

Aromatic EPH 022625.M Tue Mar 11 03:57:44 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052708.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 20:02
Operator : YP\AJ
Sample : PB167058BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB167058BL

Integration File: autoint1.e
Quant Time: Mar 11 05:22:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.358	4505970	37.109 ug/ml
Spiked Amount 50.000		Recovery = 74.22%	
Target Compounds			

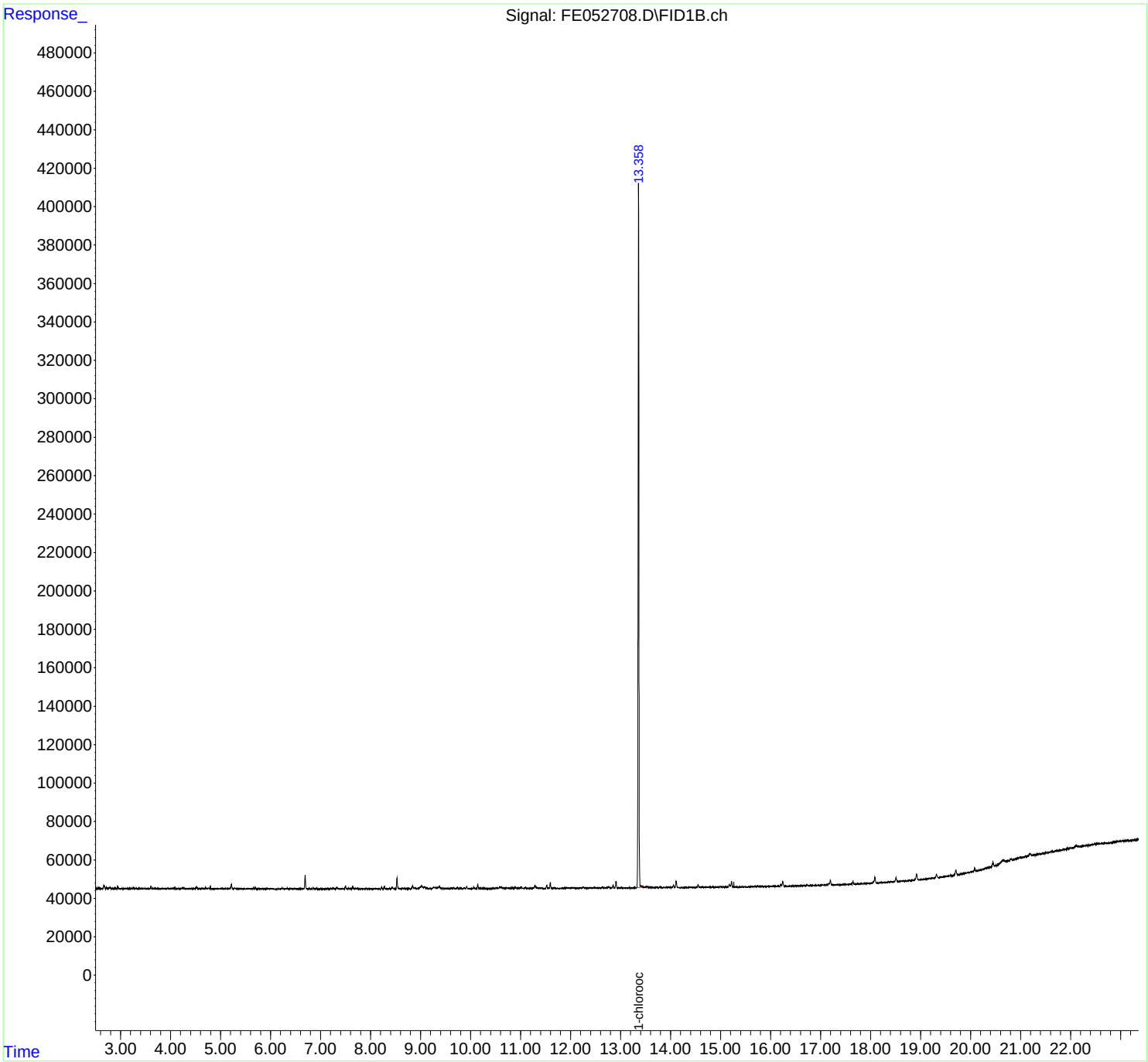
(f)=RT Delta > 1/2 Window (m)=manual int.

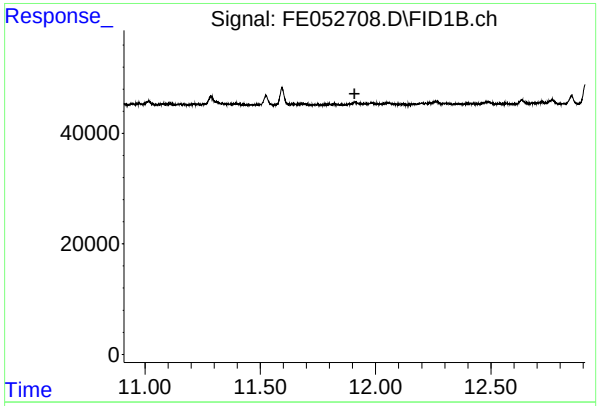
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052708.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 20:02
Operator : YP\AJ
Sample : PB167058BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB167058BL

Integration File: autoint1.e
Quant Time: Mar 11 05:22:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

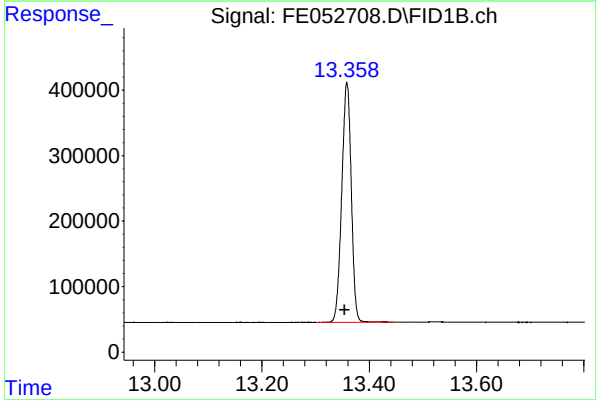




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.909 min
Response: 0
Conc: N.D.

Instrument :
FID_E
ClientSampleId :
PB167058BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.358 min
Delta R.T.: 0.004 min
Response: 4505970
Conc: 37.11 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052708.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 20:02
Sample : PB167058BL
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	13.358	13.301	13.444	BB	366698	4505970	100.00%	100.000%
			Sum of corrected areas:			4505970		

Aliphatic EPH 030325.M Tue Mar 11 06:18:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049181.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 09:14
Operator : YP/AJ
Sample : PB167056BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167056BS

Integration File: autoint1.e
Quant Time: Mar 11 14:05:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
Quant Title : GC Extractables
QLast Update : Mon Mar 10 10:50:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.349	8348883	54.906 ug/ml
	Spiked Amount 50.000		Recovery = 109.81%	
6)	S 2-Flurobiphenyl (SURR)	8.200	5252333	65.944 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 131.89%#	
11)	S ortho-Terphenyl (SURR)	11.233	8030559	45.940 ug/ml
	Spiked Amount 50.000		Recovery = 91.88%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.174	5679882	34.368 ug/ml
2)	T Naphthalene (C11.7)	5.690	6265594	38.153 ug/ml
3)	T 2-Methylnaphthalene (...	6.737	6024633	36.750 ug/ml
5)	T Acenaphthylene (C15.06)	8.002	6996114	40.280 ug/ml
7)	T Acenaphthene (C15.5)	8.296	7488103	40.004 ug/ml
8)	T Flouorene (C16.55)	9.074	7602261	46.965 ug/ml
9)	T Phenanthrene (C19.36)	10.463	7783593	49.485 ug/ml
10)	T Anthracene (C19.43)	10.539	7833572	51.270 ug/ml
12)	T Fluoranthene (C21.85)	12.268	8203760	50.832 ug/ml
13)	T Pyrene (C20.8)	12.560	8142639	50.434 ug/ml
14)	T Benzo[a]anthracene (C...	14.431	7439335	63.525 ug/ml
15)	T Chrysene (C27.41)	14.472	7328857	46.918 ug/ml
16)	T benzo[b]fluoranthene ...	15.982	7533173	57.540 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.013	7903401	48.839 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.355	7181460	52.141 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.724	6160747	63.262 ug/ml
20)	T Dibenz[a,h]anthracene...	17.759	7230852	62.118 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.974	7173702	57.983 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049181.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 09:14
Sample : PB167056BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.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	4.174	4.158	4.302	VV	624559	5679882	68.03%	3.747%
2	5.690	5.612	5.920	BB	594528	6265594	75.05%	4.133%
3	6.737	6.709	6.892	VV	518905	6024633	72.16%	3.974%
4	7.349	7.325	7.547	VB	820361	8348883	100.00%	5.507%
5	8.002	7.967	8.130	PV	678147	6996114	83.80%	4.615%
6	8.200	8.170	8.270	BV	510608	5252333	62.91%	3.465%
7	8.296	8.270	8.350	VBA	742930	7488103	89.69%	4.939%
8	9.074	8.982	9.239	BV	680041	7602261	91.06%	5.015%
9	10.463	10.395	10.513	BV	745446	7783593	93.23%	5.134%
10	10.539	10.513	10.740	VV	643278	7833572	93.83%	5.167%
11	11.233	11.180	11.340	BB	752532	8030559	96.19%	5.297%
12	12.268	12.245	12.447	VB	704855	8203760	98.26%	5.411%
13	12.560	12.529	12.640	BV	694112	8142639	97.53%	5.371%
14	14.431	14.400	14.450	BV	637051	7439335	89.11%	4.907%
15	14.472	14.450	14.505	VV	564133	7328857	87.78%	4.834%
16	15.982	15.882	15.995	BV	603952	7533173	90.23%	4.969%
17	16.013	15.995	16.210	VB	611473	7903401	94.66%	5.213%
18	16.355	16.300	16.455	BV	501913	7181460	86.02%	4.737%
19	17.724	17.655	17.739	BV	487847	6160747	73.79%	4.064%
20	17.759	17.739	17.937	VV	362212	7230852	86.61%	4.770%
21	17.974	17.937	18.160	VV	460882	7173702	85.92%	4.732%

Sum of corrected areas: 151603455

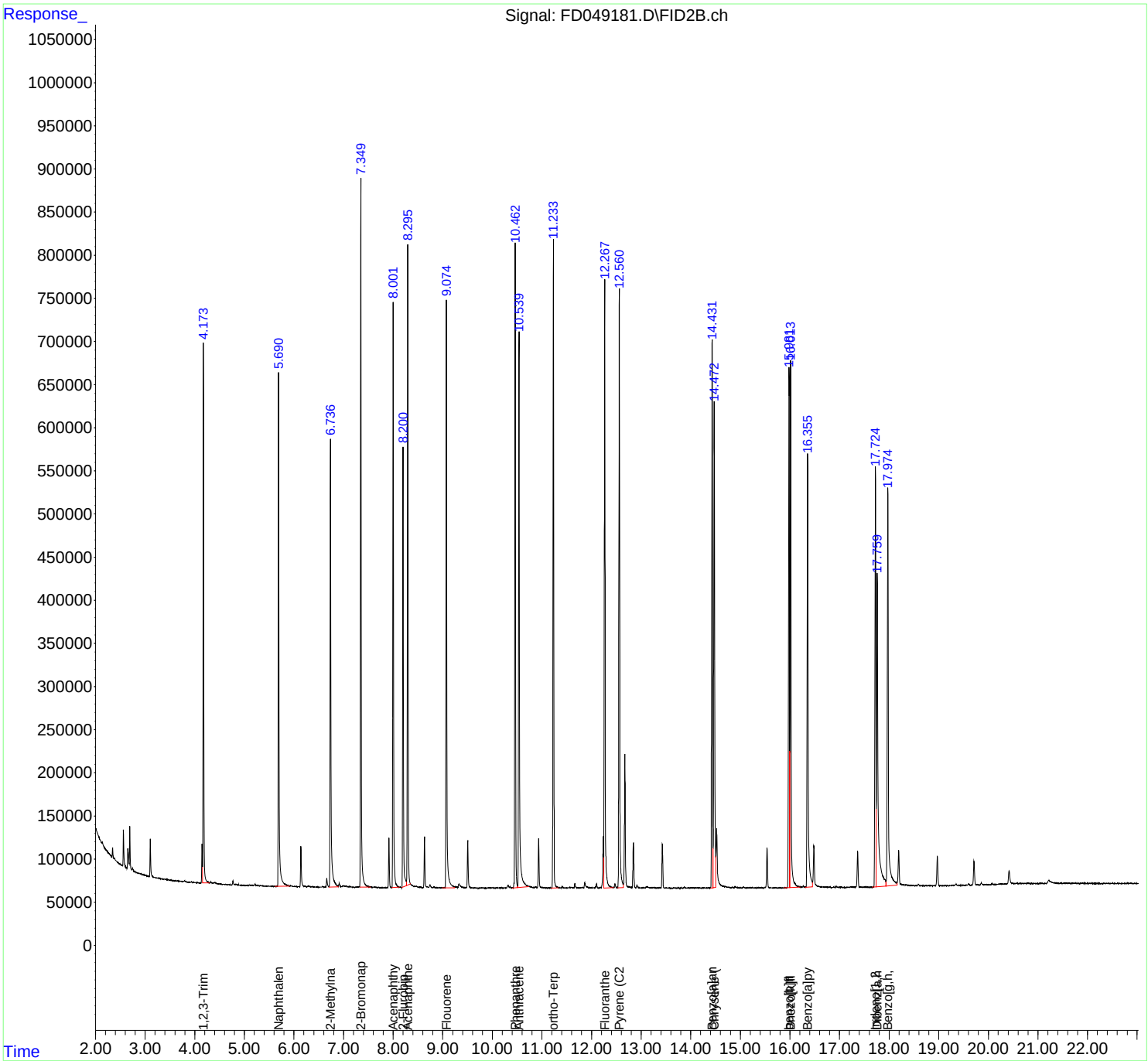
Aromatic EPH 030725.M Sat Mar 15 04:22:35 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049181.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 09:14
Operator : YP/AJ
Sample : PB167056BS
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167056BS

Integration File: autoint1.e
Quant Time: Mar 11 14:05:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
Quant Title : GC Extractables
QLast Update : Mon Mar 10 10:50:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068391.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 09:14
Operator : YP/AJ
Sample : PB167056BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167056BS

Integration File: autoint1.e
Quant Time: Mar 11 13:40:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Quant Title : GC Extractables
QLast Update : Thu Mar 06 12:39:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
12)	S 1-chlorooctadecane (S...	12.832	4190688	36.182	ug/ml
Spiked Amount	50.000		Recovery =	72.36%	
	Target Compounds				
1)	T n-Nonane (C9)	3.202	3247110	22.249	ug/ml
2)	T n-Decane (C10)	4.258	3961666	26.968	ug/ml
4)	T n-Dodecane (C12)	6.265	4419466	30.270	ug/ml
6)	T n-Tetradecane (C14)	8.053	4934454	35.096	ug/ml
7)	T n-Hexadecane (C16)	9.649	5491233	38.834	ug/ml
8)	T n-Octadecane (C18)	11.086	5834976	41.203	ug/ml
10)	T n-Eicosane (C20)	12.393	6091738	44.830	ug/ml
11)	T n-Heneicosane (C21)	13.003	5863316	43.923	ug/ml
13)	T n-Docosane (C22)	13.587	5840647	44.293	ug/ml
14)	T n-Tetracosane (C24)	14.688	5772520	43.540	ug/ml
15)	T n-Hexacosane (C26)	15.706	5692168	43.464	ug/ml
16)	T n-Octacosane (C28)	16.655	5549483	42.803	ug/ml
17)	T n-Tricontane (C30)	17.540	5702596	41.663	ug/ml
18)	T n-Dotriacontane (C32)	18.372	5673242	42.090	ug/ml
19)	T n-Tetratriacontane (C34)	19.154	5603299	45.019	ug/ml
20)	T n-Hexatriacontane (C36)	19.894	5347294	49.474	ug/ml
21)	T n-Octatriacontane (C38)	20.606	5141354	52.406	ug/ml
22)	T n-Tetracontane (C40)	21.453	4642304	51.492	ug/ml

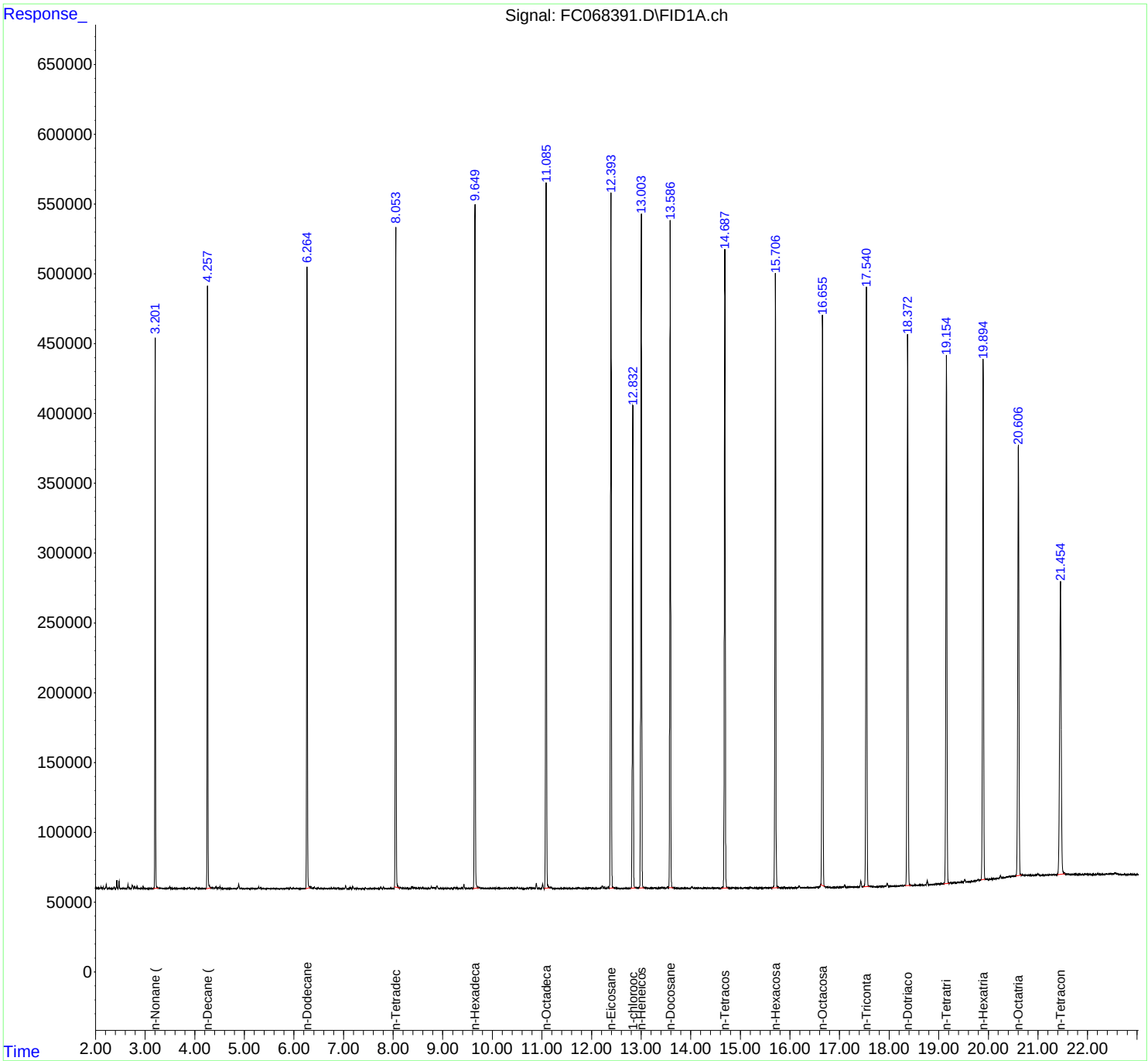
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068391.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 09:14
Operator : YP/AJ
Sample : PB167056BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167056BS

Integration File: autoint1.e
Quant Time: Mar 11 13:40:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Quant Title : GC Extractables
QLast Update : Thu Mar 06 12:39:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068391.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 09:14
Sample : PB167056BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.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	3.202	3.161	3.264	BB	392167	3247110	53.30%	3.278%
2	4.258	4.224	4.324	BB	431691	3961666	65.03%	4.000%
3	6.265	6.228	6.328	BB	444676	4419466	72.55%	4.462%
4	8.053	8.028	8.131	BB	471034	4934454	81.00%	4.982%
5	9.649	9.611	9.724	BB	481905	5491233	90.14%	5.544%
6	11.086	11.051	11.161	BB	499040	5834976	95.79%	5.891%
7	12.393	12.358	12.451	BB	493067	6091738	100.00%	6.150%
8	12.832	12.788	12.891	BB	344491	4190688	68.79%	4.231%
9	13.003	12.961	13.061	BB	477761	5863316	96.25%	5.920%
10	13.587	13.554	13.648	BB	475102	5840647	95.88%	5.897%
11	14.688	14.614	14.751	BB	454560	5772520	94.76%	5.828%
12	15.706	15.624	15.771	BB	428441	5692168	93.44%	5.747%
13	16.655	16.601	16.699	BBA	404984	5595681	91.86%	5.650%
14	17.540	17.471	17.608	BB	428908	5702596	93.61%	5.758%
15	18.372	18.321	18.444	BB	387330	5673242	93.13%	5.728%
16	19.154	19.101	19.218	BB	377420	5603299	91.98%	5.657%
17	19.894	19.851	19.934	BB	372685	5347294	87.78%	5.399%
18	20.606	20.551	20.671	BB	306175	5141354	84.40%	5.191%
19	21.453	21.391	21.551	BB	210110	4642304	76.21%	4.687%
			Sum of corrected areas:			99045751		

Aliphatic EPH 030625.M Tue Mar 11 13:52:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052709.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 20:32
Operator : YP\AJ
Sample : PB167058BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB167058BS

Integration File: autoint1.e
Quant Time: Mar 11 05:22:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12)	S 1-chlorooctadecane (S...	13.359	5139492	42.326 ug/ml
Spiked Amount	50.000	Recovery =	84.65%	
	Target Compounds			
1)	T n-Nonane (C9)	3.251	3149781	20.315 ug/ml
2)	T n-Decane (C10)	4.513	4262023	27.130 ug/ml
4)	T n-Dodecane (C12)	6.694	5383747	34.578 ug/ml
6)	T n-Tetradecane (C14)	8.532	5974264	39.484 ug/ml
7)	T n-Hexadecane (C16)	10.148	6261316	40.954 ug/ml
8)	T n-Octadecane (C18)	11.598	6613379	43.469 ug/ml
10)	T n-Eicosane (C20)	12.913	6807737	46.894 ug/ml
11)	T n-Heneicosane (C21)	13.527	6543581	45.975 ug/ml
13)	T n-Docosane (C22)	14.116	6550624	46.031 ug/ml
14)	T n-Tetracosane (C24)	15.223	6506786	45.467 ug/ml
15)	T n-Hexacosane (C26)	16.248	6455544	45.400 ug/ml
16)	T n-Octacosane (C28)	17.200	6404791	45.042 ug/ml
17)	T n-Tricontane (C30)	18.091	6509204	44.070 ug/ml
18)	T n-Dotriacontane (C32)	18.926	6546250	45.091 ug/ml
19)	T n-Tetratriacontane (C34)	19.712	6565176	48.711 ug/ml
20)	T n-Hexatriacontane (C36)	20.454	6469074	54.443 ug/ml
21)	T n-Octatriacontane (C38)	21.199	6501240	58.603 ug/ml
22)	T n-Tetracontane (C40)	22.123	6486247	59.993 ug/ml

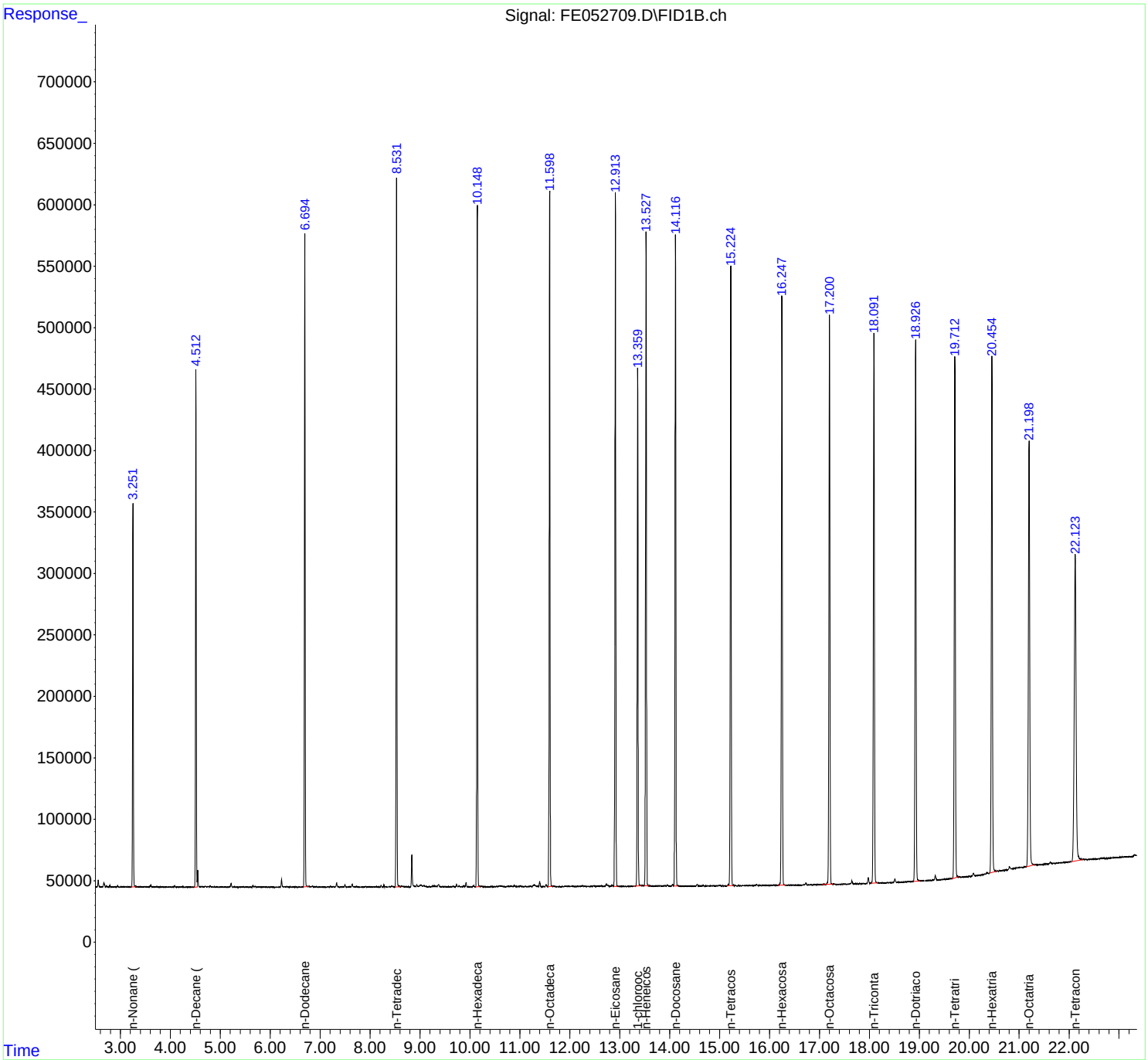
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052709.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 20:32
Operator : YP\AJ
Sample : PB167058BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB167058BS

Integration File: autoint1.e
Quant Time: Mar 11 05:22:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052709.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 20:32
Sample : PB167058BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.251	3.215	3.318	BB	312332	3149781	46.27%	2.736%
2	4.513	4.475	4.537	BV	419371	4262023	62.61%	3.702%
3	6.694	6.658	6.758	BB	531950	5383747	79.08%	4.676%
4	8.532	8.495	8.605	BB	574343	5974264	87.76%	5.189%
5	10.148	10.108	10.205	BB	554166	6261316	91.97%	5.438%
6	11.598	11.555	11.658	PB	566127	6613379	97.15%	5.744%
7	12.913	12.873	12.975	PB	566176	6807737	100.00%	5.913%
8	13.359	13.295	13.431	BB	420903	5139492	75.49%	4.464%
9	13.527	13.488	13.588	BB	534779	6543581	96.12%	5.684%
10	14.116	14.077	14.175	VB	526836	6550624	96.22%	5.690%
11	15.223	15.145	15.285	BB	506210	6506786	95.58%	5.652%
12	16.248	16.168	16.325	BB	480474	6455544	94.83%	5.607%
13	17.200	17.051	17.268	BB	456860	6404791	94.08%	5.563%
14	18.091	18.025	18.165	BB	448088	6509204	95.61%	5.654%
15	18.926	18.871	19.021	BB	440846	6546250	96.16%	5.686%
16	19.712	19.651	19.778	BB	422178	6565176	96.44%	5.702%
17	20.454	20.401	20.548	BB	420660	6469074	95.03%	5.619%
18	21.199	21.131	21.311	BB	345771	6501240	95.50%	5.647%
19	22.123	22.041	22.275	BB	249504	6486247	95.28%	5.634%

Sum of corrected areas: 115130255

Aliphatic EPH 030325.M Tue Mar 11 06:18:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015630.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 17:17
Operator : YP\AJ
Sample : PB167058BS
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167058BS

Integration File: autoint1.e
Quant Time: Mar 11 03:22:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.996	7701341	66.154 ug/ml
	Spiked Amount 50.000		Recovery = 132.31%	
6)	S 2-Flurobiphenyl (SURR)	8.873	4814742	67.593 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 135.19%#	
11)	S ortho-Terphenyl (SURR)	11.934	8163013	55.492 ug/ml
	Spiked Amount 50.000		Recovery = 110.98%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.602	5019387	38.881 ug/ml
2)	T Naphthalene (C11.7)	6.273	5751283	45.064 ug/ml
3)	T 2-Methylnaphthalene (...	7.369	5893791	46.547 ug/ml
5)	T Acenaphthylene (C15.06)	8.671	7008327	49.580 ug/ml
7)	T Acenaphthene (C15.5)	8.970	7577334	53.201 ug/ml
8)	T Flouorene (C16.55)	9.761	7521898	56.529 ug/ml
9)	T Phenanthrene (C19.36)	11.169	7647213	58.790 ug/ml
10)	T Anthracene (C19.43)	11.245	7699079	61.469 ug/ml
12)	T Fluoranthene (C21.85)	12.994	7965097	56.402 ug/ml
13)	T Pyrene (C20.8)	13.292	7913566	55.045 ug/ml
14)	T Benzo[a]anthracene (C...	15.177	7357313	62.634 ug/ml
15)	T Chrysene (C27.41)	15.220	8751942	58.595 ug/ml
16)	T benzo[b]fluoranthene ...	16.741	7278110	55.883 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.774	7689052	51.530 ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.121	6782739	53.447 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.500	6800974	66.444 ug/ml
20)	T Dibenz[a,h]anthracene...	18.532	6920863	53.527 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.755	6885368	55.330 ug/ml

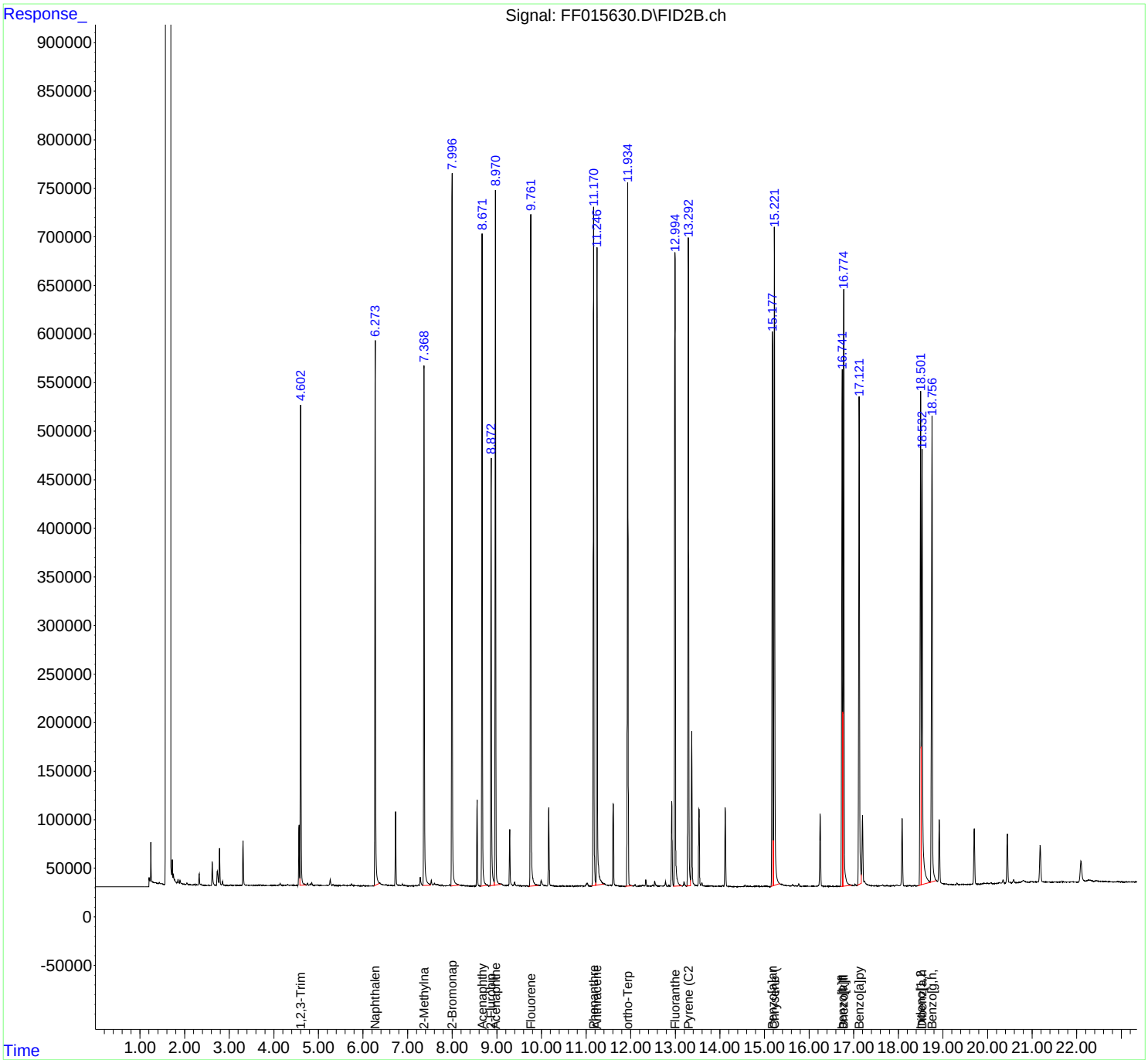
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015630.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 17:17
Operator : YP\AJ
Sample : PB167058BS
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167058BS

Integration File: autoint1.e
Quant Time: Mar 11 03:22:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015630.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 17:17
Sample : PB167058BS
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.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	4.602	4.582	4.722	VB	495164	5019387	57.35%	3.365%
2	6.273	6.239	6.369	BV	560029	5751283	65.71%	3.856%
3	7.369	7.336	7.512	PV	535731	5893791	67.34%	3.952%
4	7.996	7.969	8.161	PB	732224	7701341	88.00%	5.164%
5	8.671	8.631	8.777	BV	671112	7008327	80.08%	4.699%
6	8.873	8.831	8.942	BV	439329	4814742	55.01%	3.228%
7	8.970	8.942	9.084	VV	716832	7577334	86.58%	5.081%
8	9.761	9.722	9.929	BV	691623	7521898	85.95%	5.043%
9	11.169	11.121	11.219	BV	696492	7647213	87.38%	5.127%
10	11.245	11.219	11.401	VBA	657664	7699079	87.97%	5.162%
11	11.934	11.879	12.034	BB	725105	8163013	93.27%	5.473%
12	12.994	12.960	13.154	VB	654399	7965097	91.01%	5.341%
13	13.292	13.241	13.338	BV	669022	7913566	90.42%	5.306%
14	15.177	15.139	15.197	BV	570426	7357313	84.06%	4.933%
15	15.220	15.197	15.341	VBA	678322	8751942	100.00%	5.868%
16	16.741	16.697	16.756	BV	530938	7278110	83.16%	4.880%
17	16.774	16.756	16.957	VB	610130	7689052	87.86%	5.156%
18	17.121	17.071	17.169	BV	501657	6782739	77.50%	4.548%
19	18.500	18.451	18.514	BV	506273	6800974	77.71%	4.560%
20	18.532	18.514	18.714	VV	447432	6920863	79.08%	4.640%
21	18.755	18.714	18.851	VBA	480926	6885368	78.67%	4.617%
			Sum of corrected areas:			149142433		

Aromatic EPH 022625.M Tue Mar 11 03:58:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068392.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 09:52
Operator : YP/AJ
Sample : PB167056BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167056BSD

Integration File: autoint1.e
Quant Time: Mar 11 13:46:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Quant Title : GC Extractables
QLast Update : Thu Mar 06 12:39:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
12) S	1-chlorooctadecane (S...	12.833	4031444	34.807	ug/ml
Spiked Amount	50.000		Recovery =	69.61%	
	Target Compounds				
1) T	n-Nonane (C9)	3.201	3175074	21.756	ug/ml
2) T	n-Decane (C10)	4.258	3870562	26.348	ug/ml
4) T	n-Dodecane (C12)	6.265	4314900	29.554	ug/ml
6) T	n-Tetradecane (C14)	8.053	4815500	34.250	ug/ml
7) T	n-Hexadecane (C16)	9.648	5343483	37.789	ug/ml
8) T	n-Octadecane (C18)	11.086	5680297	40.111	ug/ml
10) T	n-Eicosane (C20)	12.392	5937033	43.692	ug/ml
11) T	n-Heneicosane (C21)	13.003	5717134	42.828	ug/ml
13) T	n-Docosane (C22)	13.588	5694890	43.188	ug/ml
14) T	n-Tetracosane (C24)	14.688	5634098	42.495	ug/ml
15) T	n-Hexacosane (C26)	15.706	5573564	42.559	ug/ml
16) T	n-Octacosane (C28)	16.655	5498996	42.413	ug/ml
17) T	n-Tricontane (C30)	17.540	5616705	41.035	ug/ml
18) T	n-Dotriacontane (C32)	18.373	5601151	41.555	ug/ml
19) T	n-Tetratriacontane (C34)	19.154	5529782	44.428	ug/ml
20) T	n-Hexatriacontane (C36)	19.893	5277843	48.831	ug/ml
21) T	n-Octatriacontane (C38)	20.605	5130927	52.300	ug/ml
22) T	n-Tetracontane (C40)	21.452	4842454	53.712	ug/ml

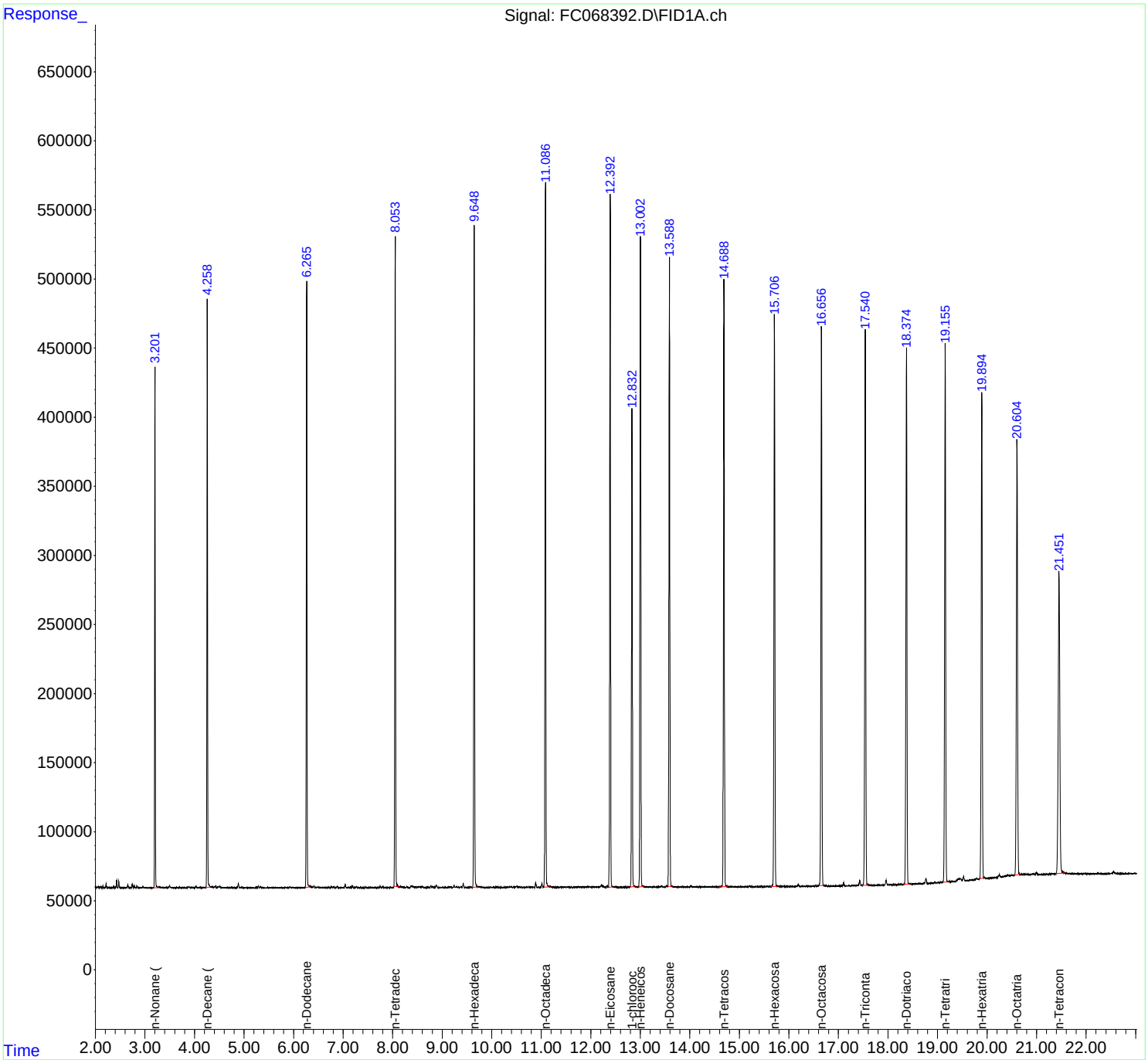
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068392.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 09:52
Operator : YP/AJ
Sample : PB167056BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_C
ClientSampleId :
PB167056BSD

Integration File: autoint1.e
Quant Time: Mar 11 13:46:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.M
Quant Title : GC Extractables
QLast Update : Thu Mar 06 12:39:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC031125AL\
Data File : FC068392.D
Signal(s) : FID1A.ch
Acq On : 11 Mar 2025 09:52
Sample : PB167056BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 030625.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	3.201	3.168	3.268	BB	377556	3175074	53.48%	3.264%
2	4.258	4.228	4.321	BB	425751	3870562	65.19%	3.979%
3	6.265	6.231	6.331	BB	438241	4314900	72.68%	4.435%
4	8.053	8.028	8.131	BB	470555	4815500	81.11%	4.950%
5	9.648	9.611	9.721	BB	477518	5343483	90.00%	5.493%
6	11.086	11.051	11.161	BB	499390	5680297	95.68%	5.839%
7	12.392	12.358	12.451	BB	495083	5937033	100.00%	6.103%
8	12.833	12.791	12.894	BB	341377	4031444	67.90%	4.144%
9	13.003	12.958	13.068	BB	472293	5717134	96.30%	5.877%
10	13.588	13.554	13.651	BB	449913	5694890	95.92%	5.854%
11	14.688	14.581	14.754	BB	438527	5634098	94.90%	5.791%
12	15.706	15.634	15.771	BB	405966	5573564	93.88%	5.729%
13	16.655	16.601	16.699	BBA	394958	5498996	92.62%	5.652%
14	17.540	17.468	17.608	BB	396905	5616705	94.60%	5.773%
15	18.373	18.321	18.441	BB	391763	5601151	94.34%	5.757%
16	19.154	19.101	19.221	BB	387593	5529782	93.14%	5.684%
17	19.893	19.851	19.938	BB	355428	5277843	88.90%	5.425%
18	20.605	20.551	20.674	BB	312823	5130927	86.42%	5.274%
19	21.452	21.391	21.558	BB	216625	4842454	81.56%	4.978%
			Sum of corrected areas:			97285836		

Aliphatic EPH 030625.M Tue Mar 11 13:52:17 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049182.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 09:52
Operator : YP/AJ
Sample : PB167056BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167056BSD

Integration File: autoint1.e
Quant Time: Mar 11 14:05:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
Quant Title : GC Extractables
QLast Update : Mon Mar 10 10:50:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.350	8458301	55.626 ug/ml
	Spiked Amount 50.000		Recovery = 111.25%	
6)	S 2-Flurobiphenyl (SURR)	8.200	5343847	67.093 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 134.19%#	
11)	S ortho-Terphenyl (SURR)	11.233	8139549	46.563 ug/ml
	Spiked Amount 50.000		Recovery = 93.13%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.174	5763757	34.875 ug/ml
2)	T Naphthalene (C11.7)	5.690	6389317	38.906 ug/ml
3)	T 2-Methylnaphthalene (...	6.736	6120404	37.334 ug/ml
5)	T Acenaphthylene (C15.06)	8.001	7105659	40.911 ug/ml
7)	T Acenaphthene (C15.5)	8.296	7589266	40.544 ug/ml
8)	T Flouorene (C16.55)	9.075	7717326	47.675 ug/ml
9)	T Phenanthrene (C19.36)	10.462	7931639	50.426 ug/ml
10)	T Anthracene (C19.43)	10.538	8117178	53.126 ug/ml
12)	T Fluoranthene (C21.85)	12.268	8353351	51.759 ug/ml
13)	T Pyrene (C20.8)	12.560	8283977	51.309 ug/ml
14)	T Benzo[a]anthracene (C...	14.432	7620021	65.068 ug/ml
15)	T Chrysene (C27.41)	14.473	7484643	47.916 ug/ml
16)	T benzo[b]fluoranthene ...	15.982	7696177	58.785 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.015	8037450	49.668 ug/ml
18)	T Benzo[a]pyrene (C31.34)	16.356	7362720	53.457 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	17.724	6482720	66.568 ug/ml
20)	T Dibenz[a,h]anthracene...	17.759	7578260	65.102 ug/ml
21)	T Benzo[g,h,i]perylene ...	17.975	7408141	59.878 ug/ml

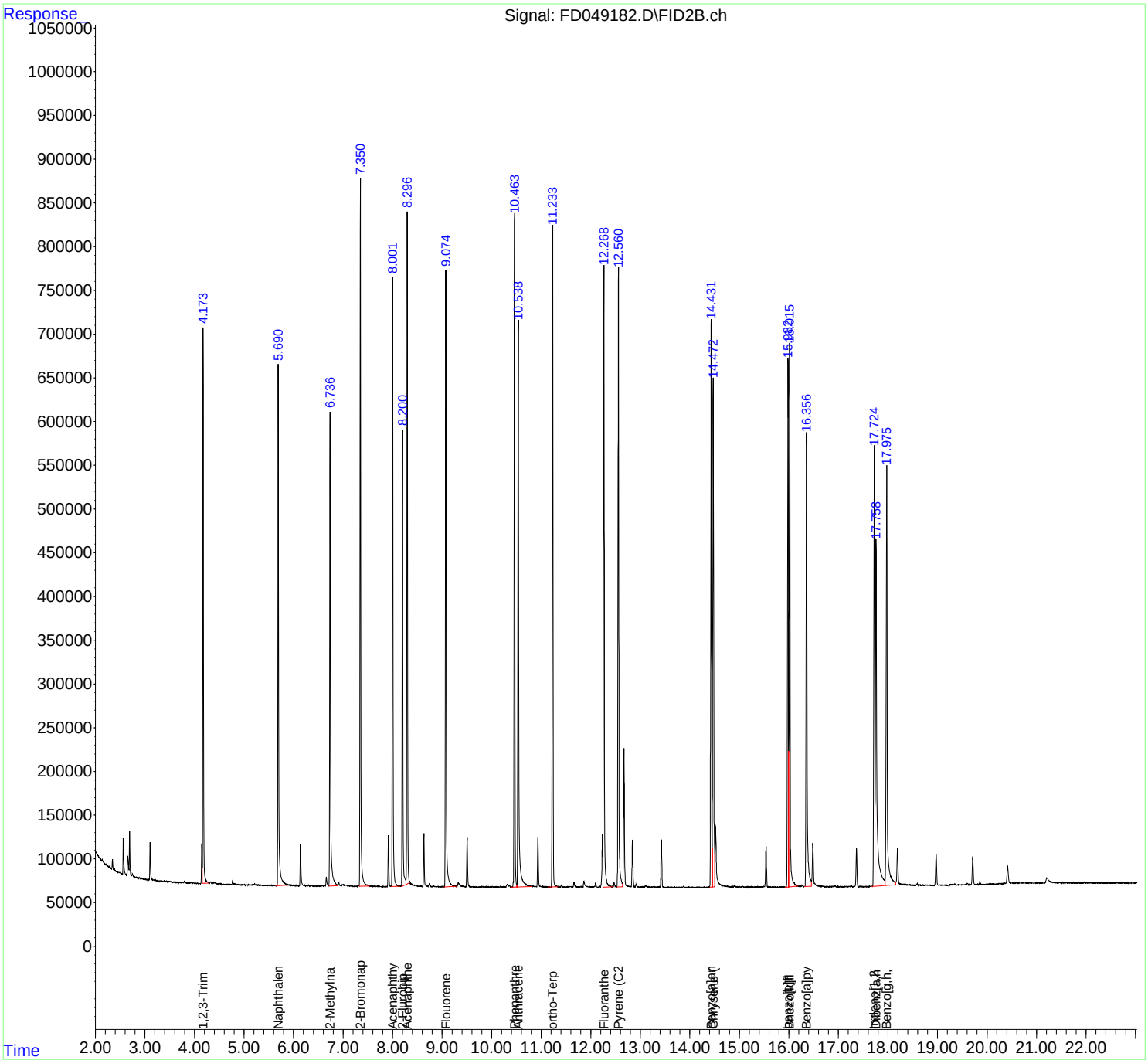
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049182.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 09:52
Operator : YP/AJ
Sample : PB167056BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
PB167056BSD

Integration File: autoint1.e
Quant Time: Mar 11 14:05:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.M
Quant Title : GC Extractables
QLast Update : Mon Mar 10 10:50:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031125AR\
Data File : FD049182.D
Signal(s) : FID2B.ch
Acq On : 11 Mar 2025 09:52
Sample : PB167056BSD
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030725.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	4.174	4.158	4.299	VV	634749	5763757	68.14%	3.719%
2	5.690	5.634	5.925	BV	595665	6389317	75.54%	4.123%
3	6.736	6.710	6.889	VV	541599	6120404	72.36%	3.949%
4	7.350	7.327	7.540	VB	810468	8458301	100.00%	5.458%
5	8.001	7.965	8.137	PB	694042	7105659	84.01%	4.585%
6	8.200	8.179	8.269	BV	522095	5343847	63.18%	3.448%
7	8.296	8.269	8.350	VBA	769487	7589266	89.73%	4.897%
8	9.075	9.030	9.289	BB	704028	7717326	91.24%	4.979%
9	10.462	10.397	10.512	BV	766775	7931639	93.77%	5.118%
10	10.538	10.512	10.817	VB	647252	8117178	95.97%	5.237%
11	11.233	11.127	11.332	BB	755682	8139549	96.23%	5.252%
12	12.268	12.245	12.442	VB	713232	8353351	98.76%	5.390%
13	12.560	12.527	12.639	PV	708199	8283977	97.94%	5.345%
14	14.432	14.400	14.450	BV	648844	7620021	90.09%	4.917%
15	14.473	14.450	14.504	VV	580058	7484643	88.49%	4.829%
16	15.982	15.917	15.996	BV	603344	7696177	90.99%	4.966%
17	16.015	15.996	16.187	VB	621812	8037450	95.02%	5.186%
18	16.356	16.310	16.455	BV	519921	7362720	87.05%	4.751%
19	17.724	17.659	17.739	BV	504570	6482720	76.64%	4.183%
20	17.759	17.739	17.940	VV	396062	7578260	89.60%	4.890%
21	17.975	17.940	18.155	VV	479740	7408141	87.58%	4.780%

Sum of corrected areas: 154983705

Aromatic EPH 030725.M Sat Mar 15 04:25:07 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052710.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 21:02
Operator : YP\AJ
Sample : PB167058BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB167058BSD

Integration File: autoint1.e
Quant Time: Mar 11 05:23:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	13.359	5296371	43.618 ug/ml
Spiked Amount	50.000		Recovery =	87.24%
	Target Compounds			
1) T	n-Nonane (C9)	3.252	3184968	20.542 ug/ml
2) T	n-Decane (C10)	4.513	4302223	27.386 ug/ml
4) T	n-Dodecane (C12)	6.694	5434184	34.902 ug/ml
6) T	n-Tetradecane (C14)	8.533	6022996	39.806 ug/ml
7) T	n-Hexadecane (C16)	10.147	6298949	41.200 ug/ml
8) T	n-Octadecane (C18)	11.597	6644892	43.676 ug/ml
10) T	n-Eicosane (C20)	12.913	6831700	47.059 ug/ml
11) T	n-Heneicosane (C21)	13.528	6563747	46.117 ug/ml
13) T	n-Docosane (C22)	14.116	6576156	46.210 ug/ml
14) T	n-Tetracosane (C24)	15.223	6518581	45.550 ug/ml
15) T	n-Hexacosane (C26)	16.247	6478447	45.561 ug/ml
16) T	n-Octacosane (C28)	17.200	6430737	45.225 ug/ml
17) T	n-Tricontane (C30)	18.090	6567154	44.463 ug/ml
18) T	n-Dotriacontane (C32)	18.925	6615939	45.571 ug/ml
19) T	n-Tetratriacontane (C34)	19.710	6628461	49.180 ug/ml
20) T	n-Hexatriacontane (C36)	20.453	6495807	54.668 ug/ml
21) T	n-Octatriacontane (C38)	21.196	6520037	58.773 ug/ml
22) T	n-Tetracontane (C40)	22.121	6523072	60.334 ug/ml

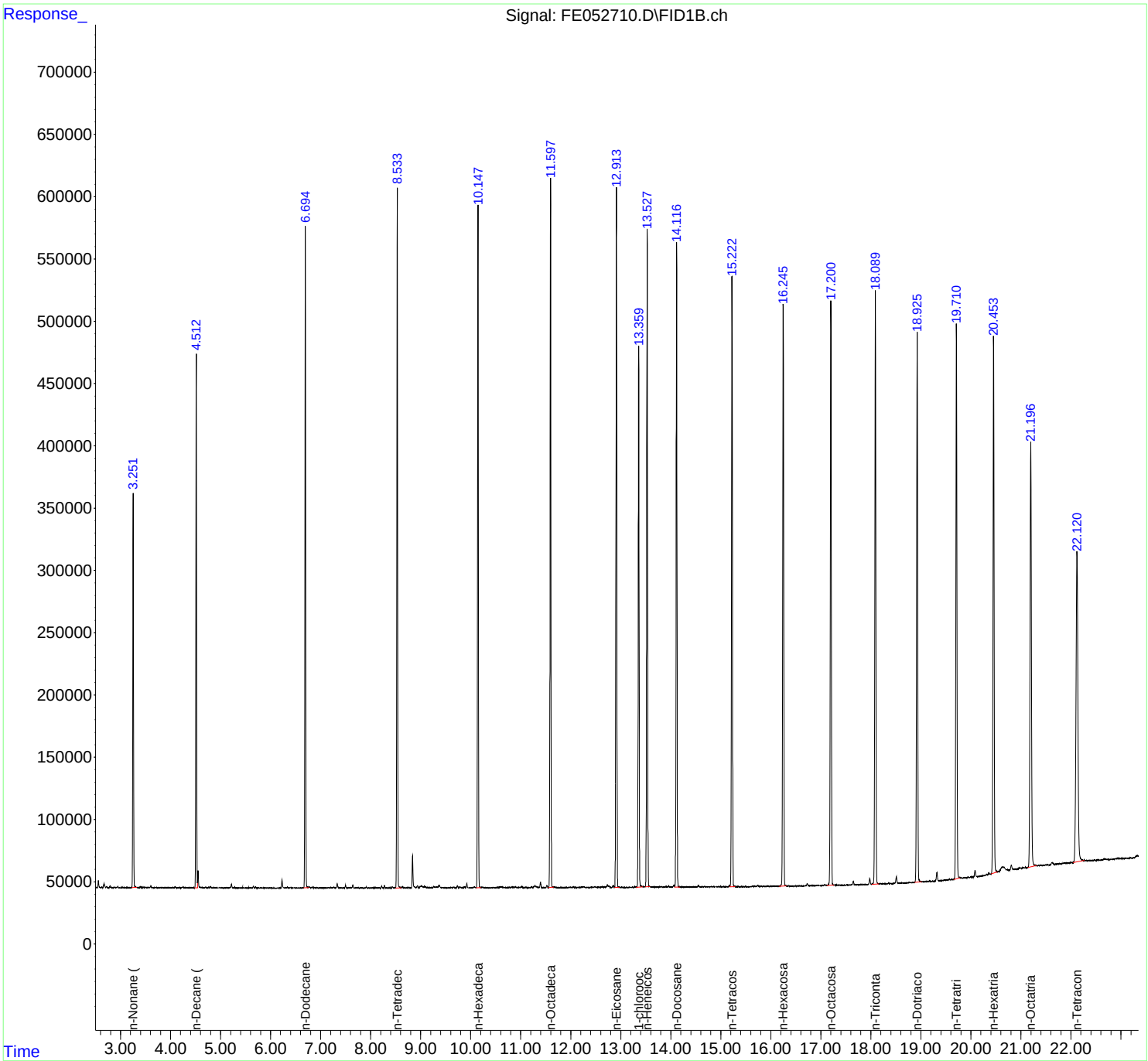
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052710.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 21:02
Operator : YP\AJ
Sample : PB167058BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB167058BSD

Integration File: autoint1.e
Quant Time: Mar 11 05:23:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052710.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 21:02
Sample : PB167058BSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.252	3.221	3.325	BB	315967	3184968	46.62%	2.747%
2	4.513	4.475	4.537	BV	426301	4302223	62.97%	3.711%
3	6.694	6.658	6.765	BB	531530	5434184	79.54%	4.687%
4	8.533	8.495	8.608	BV	556162	6022996	88.16%	5.195%
5	10.147	10.105	10.205	BB	549322	6298949	92.20%	5.433%
6	11.597	11.558	11.658	PB	566739	6644892	97.27%	5.732%
7	12.913	12.873	12.975	PB	564884	6831700	100.00%	5.893%
8	13.359	13.301	13.441	BB	433916	5296371	77.53%	4.568%
9	13.528	13.485	13.588	BB	528155	6563747	96.08%	5.662%
10	14.116	14.077	14.185	VB	519851	6576156	96.26%	5.672%
11	15.223	15.184	15.288	VB	491283	6518581	95.42%	5.623%
12	16.247	16.161	16.315	BB	464966	6478447	94.83%	5.588%
13	17.200	17.121	17.265	BB	472858	6430737	94.13%	5.547%
14	18.090	18.025	18.161	BB	469286	6567154	96.13%	5.665%
15	18.925	18.871	19.018	BB	439295	6615939	96.84%	5.707%
16	19.710	19.651	19.785	BB	444154	6628461	97.03%	5.717%
17	20.453	20.401	20.535	BB	431882	6495807	95.08%	5.603%
18	21.196	21.131	21.308	BB	340013	6520037	95.44%	5.624%
19	22.121	22.041	22.271	BB	248353	6523072	95.48%	5.627%

Sum of corrected areas: 115934419

Aliphatic EPH 030325.M Tue Mar 11 06:19:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015631.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 17:46
Operator : YP\AJ
Sample : PB167058BSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167058BSD

Integration File: autoint1.e
Quant Time: Mar 11 03:22:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.997	6861975	58.944 ug/ml
Spiked Amount	50.000		Recovery =	117.89%
6) S	2-Flurobiphenyl (SURR)	8.874	4252404	59.698 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	119.40%
11) S	ortho-Terphenyl (SURR)	11.935	7259660	49.351 ug/ml
Spiked Amount	50.000		Recovery =	98.70%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.603	4491192	34.789 ug/ml
2) T	Naphthalene (C11.7)	6.274	5225784	40.946 ug/ml
3) T	2-Methylnaphthalene (...	7.370	5253176	41.488 ug/ml
5) T	Acenaphthylene (C15.06)	8.673	6294057	44.527 ug/ml
7) T	Acenaphthene (C15.5)	8.972	6763066	47.484 ug/ml
8) T	Flouorene (C16.55)	9.762	6670028	50.127 ug/ml
9) T	Phenanthrene (C19.36)	11.171	6781201	52.132 ug/ml
10) T	Anthracene (C19.43)	11.246	6827746	54.512 ug/ml
12) T	Fluoranthene (C21.85)	12.993	7078040	50.121 ug/ml
13) T	Pyrene (C20.8)	13.292	7020250	48.831 ug/ml
14) T	Benzo[a]anthracene (C...	15.178	6514139	55.456 ug/ml
15) T	Chrysene (C27.41)	15.221	7816361	52.331 ug/ml
16) T	benzo[b]fluoranthene ...	16.740	6492778	49.853 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.773	6889705	46.173 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.122	6032279	47.533 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.500	5980933	58.433 ug/ml
20) T	Dibenz[a,h]anthracene...	18.534	6283187	48.595 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.756	6114763	49.138 ug/ml

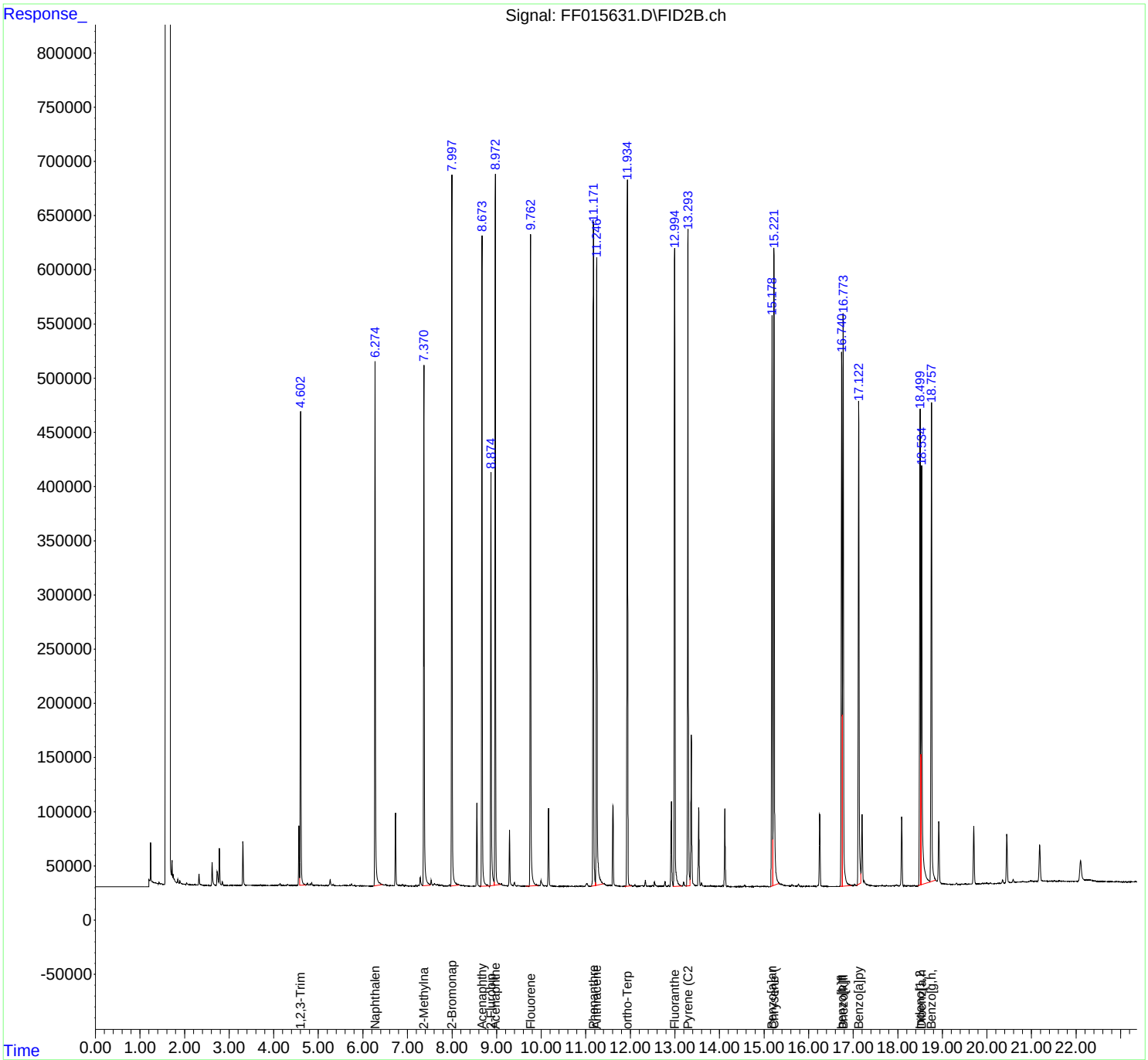
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015631.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 17:46
Operator : YP\AJ
Sample : PB167058BSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167058BSD

Integration File: autoint1.e
Quant Time: Mar 11 03:22:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015631.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 17:46
Sample : PB167058BSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.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	4.603	4.584	4.727	VB	437069	4491192	57.46%	3.379%
2	6.274	6.245	6.437	BB	483497	5225784	66.86%	3.932%
3	7.370	7.339	7.512	PV	478895	5253176	67.21%	3.953%
4	7.997	7.969	8.160	PB	656019	6861975	87.79%	5.163%
5	8.673	8.632	8.830	BBA	596827	6294057	80.52%	4.736%
6	8.874	8.830	8.944	BV	381002	4252404	54.40%	3.200%
7	8.972	8.944	9.087	VV	657903	6763066	86.52%	5.089%
8	9.762	9.654	9.934	BB	602375	6670028	85.33%	5.019%
9	11.171	11.120	11.218	BV	611709	6781201	86.76%	5.102%
10	11.246	11.218	11.400	VBA	580008	6827746	87.35%	5.137%
11	11.935	11.867	12.022	BB	651600	7259660	92.88%	5.462%
12	12.993	12.964	13.162	VB	589805	7078040	90.55%	5.326%
13	13.292	13.240	13.340	BV	600210	7020250	89.81%	5.282%
14	15.178	15.140	15.198	BV	526661	6514139	83.34%	4.901%
15	15.221	15.198	15.340	VBA	584008	7816361	100.00%	5.881%
16	16.740	16.699	16.755	BV	492671	6492778	83.07%	4.885%
17	16.773	16.755	16.967	VB	530972	6889705	88.14%	5.184%
18	17.122	17.070	17.171	BV	445416	6032279	77.18%	4.539%
19	18.500	18.450	18.515	BV	439986	5980933	76.52%	4.500%
20	18.534	18.515	18.719	VV	386081	6283187	80.39%	4.728%
21	18.756	18.719	18.850	VBA	437363	6114763	78.23%	4.601%
			Sum of corrected areas:			132902723		

Aromatic EPH 022625.M Tue Mar 11 03:59:58 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015634.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 19:14
Operator : YP\AJ
Sample : Q1488-01MS
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

Integration File: autoint1.e
Quant Time: Mar 11 03:24:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) S	2-Bromonaphthalene (S...	7.997	6376280	54.772 ug/ml
Spiked Amount	50.000		Recovery =	109.54%
6) S	2-Flurobiphenyl (SURR)	8.875	3847204	54.010 ug/ml
Spiked Amount	50.000 Range	0 - 131	Recovery =	108.02%
11) S	ortho-Terphenyl (SURR)	11.934	4755517	32.328 ug/ml
Spiked Amount	50.000		Recovery =	64.66%
	Target Compounds			
1) T	1,2,3-Trimethylbenzen...	4.603	4287013	33.208 ug/ml
2) T	Naphthalene (C11.7)	6.275	4728989	37.054 ug/ml
3) T	2-Methylnaphthalene (...	7.370	4613932	36.440 ug/ml
5) T	Acenaphthylene (C15.06)	8.673	5488943	38.831 ug/ml
7) T	Acenaphthene (C15.5)	8.971	5941626	41.717 ug/ml
8) T	Flouorene (C16.55)	9.762	5982248	44.958 ug/ml
9) T	Phenanthrene (C19.36)	11.170	6154497	47.314 ug/ml
10) T	Anthracene (C19.43)	11.245	6129272	48.936 ug/ml
12) T	Fluoranthene (C21.85)	12.994	6454604	45.706 ug/ml
13) T	Pyrene (C20.8)	13.292	6386504	44.423 ug/ml
14) T	Benzo[a]anthracene (C...	15.177	5803370	49.405 ug/ml
15) T	Chrysene (C27.41)	15.219	6980582	46.736 ug/ml
16) T	benzo[b]fluoranthene ...	16.740	5812993	44.633 ug/ml
17) T	Bnezo[k]fluoranthene ...	16.772	6180819	41.422 ug/ml
18) T	Benzo[a]pyrene (C31.34)	17.120	5381621	42.406 ug/ml
19) T	Indeno[1,2,3-cd]pyren...	18.499	5193699	50.742 ug/mlm
20) T	Dibenz[a,h]anthracene...	18.531	5339576	41.297 ug/ml
21) T	Benzo[g,h,i]perylene ...	18.753	5437974	43.699 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

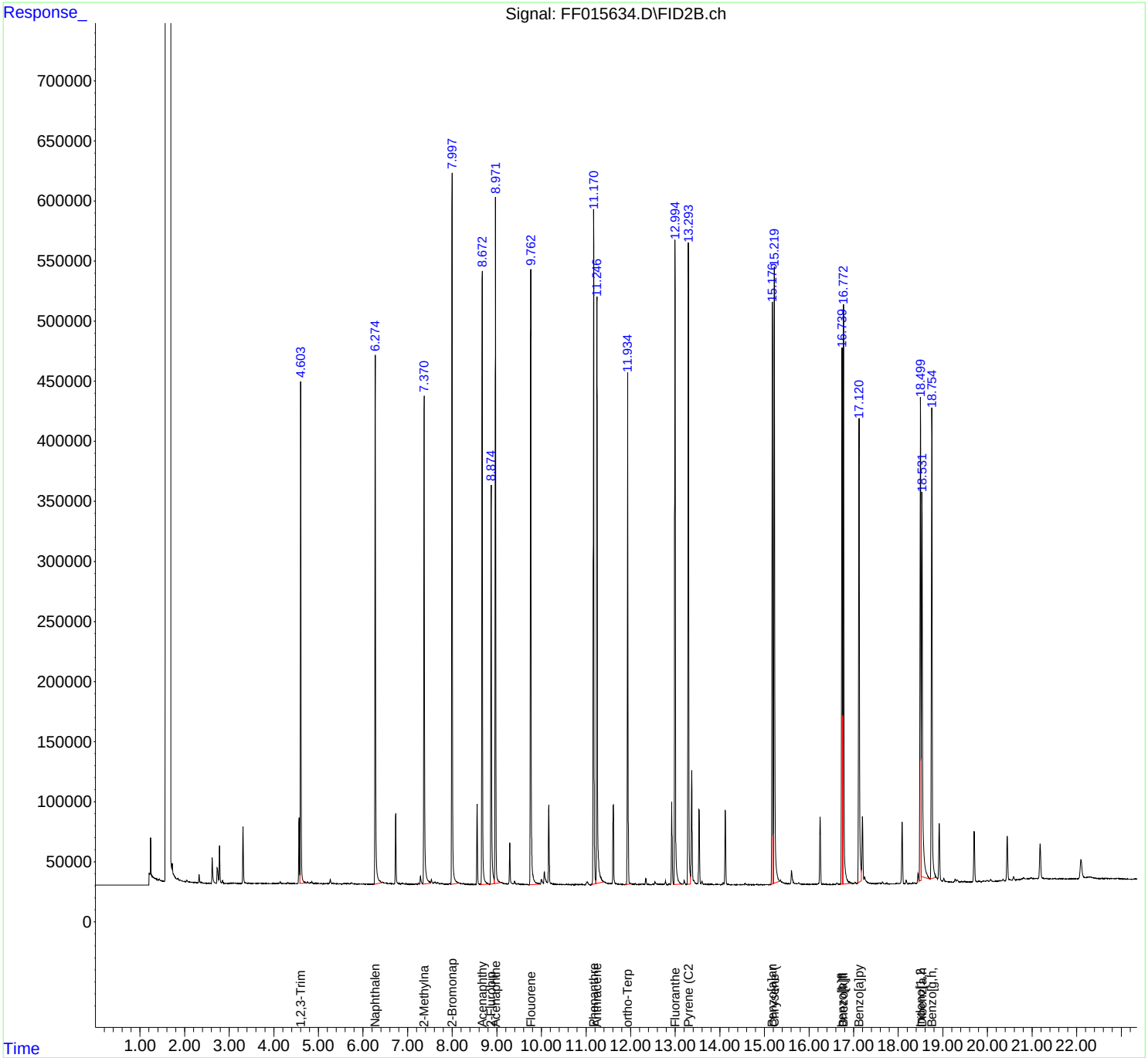
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015634.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 19:14
Operator : YP\AJ
Sample : Q1488-01MS
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

Integration File: autoint1.e
Quant Time: Mar 11 03:24:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
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_F
ClientSampleId :
ENV-101-SB01MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03102
Data File : FF015634.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 19:14
Sample : Q1488-01MS
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.566	4.507	4.584	BV	54787	566878	8.12%	0.444%
2	4.603	4.584	4.732	VB	419253	4287013	61.41%	3.355%
3	5.267	5.204	5.314	BV	3609	49638	0.71%	0.039%
4	6.275	6.247	6.429	BV	439443	4728989	67.74%	3.701%
5	6.733	6.684	6.792	BV	58192	632538	9.06%	0.495%
6	7.289	7.216	7.341	BV	6706	106406	1.52%	0.083%
7	7.371	7.341	7.514	VV	405738	4613932	66.10%	3.611%
8	7.535	7.514	7.572	VV	3295	43826	0.63%	0.034%
9	7.997	7.969	8.166	BB	592318	6376280	91.34%	4.990%
10	8.560	8.521	8.626	BB	66691	715981	10.26%	0.560%
11	8.673	8.631	8.830	BBA	510392	5488943	78.63%	4.295%
12	8.875	8.846	8.944	BV	332469	3847204	55.11%	3.011%
13	8.971	8.944	9.091	VV	571018	5941626	85.12%	4.649%
14	9.293	9.231	9.369	BB	34266	386854	5.54%	0.303%
15	9.762	9.729	9.974	BB	514364	5982248	85.70%	4.681%
16	9.999	9.976	10.047	BV	3892	79854	1.14%	0.062%
17	10.066	10.047	10.138	VV	9828	205939	2.95%	0.161%
18	10.167	10.138	10.234	VB	65719	768957	11.02%	0.602%
19	11.170	11.121	11.221	BV	562005	6154497	88.17%	4.816%
20	11.245	11.221	11.401	VBA	489151	6129272	87.80%	4.796%
21	11.610	11.571	11.679	BB	65557	802529	11.50%	0.628%
22	11.934	11.871	12.011	BB	426938	4755517	68.12%	3.721%
23	12.340	12.291	12.384	BB	4871	58217	0.83%	0.046%
24	12.922	12.889	12.962	PV	68602	860427	12.33%	0.673%
25	12.994	12.962	13.157	VB	539336	6454604	92.47%	5.051%
26	13.199	13.172	13.240	BBA	3322	43658	0.63%	0.034%
27	13.292	13.259	13.342	BV	534177	6386504	91.49%	4.998%
28	13.368	13.342	13.472	VB	94152	1331767	19.08%	1.042%
29	13.534	13.474	13.572	BV	61743	760942	10.90%	0.595%
30	14.121	14.092	14.174	VB	61975	770259	11.03%	0.603%
31	15.177	15.137	15.196	BV	483521	5803370	83.14%	4.541%
32	15.219	15.196	15.341	VBA	514065	6980582	100.00%	5.462%
33	15.607	15.547	15.694	BB	10636	191846	2.75%	0.150%
34	16.247	16.184	16.282	BB	56085	754934	10.81%	0.591%
35	16.740	16.702	16.755	BV	446867	5812993	83.27%	4.549%
36	16.772	16.755	16.961	VB	484127	6180819	88.54%	4.837%

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Instrument :
FID_F
ClientSampleId :
ENV-101-SB01MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

A B C D E F G H I J

rteres

37	17.120	17.071	17.172	BV	387572	5381621	77.09%	4.211%
38	17.197	17.172	17.229	VV	53020	776583	1[illegible]	
39	18.087	18.011	18.141	BB	51274	730166	1[illegible]	
40	18.444	18.397	18.450	BBA	2594	-4776	-[illegible]	
41	18.499	18.451	18.514	BV	399805	5074495	7[illegible]	
42	18.531	18.514	18.712	VV	318781	5339576	7[illegible]	
43	18.753	18.712	18.851	PBA	393838	5437974	77.90%	4.255%

Sum of corrected areas: 127791480

Aromatic EPH 022625.M Tue Mar 11 04:31:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052713.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 22:32
Operator : YP\AJ
Sample : Q1488-01MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-101-SB01MS

Integration File: autoint1.e
Quant Time: Mar 11 05:24:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12)	S 1-chlorooctadecane (S...	13.358	4515939	37.191 ug/ml
Spiked Amount	50.000	Recovery	=	74.38%
	Target Compounds			
1)	T n-Nonane (C9)	3.251	3926499	25.324 ug/ml
2)	T n-Decane (C10)	4.512	4725334	30.079 ug/ml
4)	T n-Dodecane (C12)	6.694	5189852	33.333 ug/ml
6)	T n-Tetradecane (C14)	8.532	5619054	37.136 ug/ml
7)	T n-Hexadecane (C16)	10.148	6134619	40.125 ug/ml
8)	T n-Octadecane (C18)	11.598	6467491	42.510 ug/ml
10)	T n-Eicosane (C20)	12.913	6560393	45.190 ug/ml
11)	T n-Heneicosane (C21)	13.527	6286711	44.170 ug/ml
13)	T n-Docosane (C22)	14.115	6285602	44.169 ug/ml
14)	T n-Tetracosane (C24)	15.222	6226039	43.506 ug/ml
15)	T n-Hexacosane (C26)	16.246	6171430	43.401 ug/ml
16)	T n-Octacosane (C28)	17.198	6117068	43.019 ug/ml
17)	T n-Tricontane (C30)	18.088	6214716	42.076 ug/ml
18)	T n-Dotriacontane (C32)	18.924	6240074	42.982 ug/ml
19)	T n-Tetratriacontane (C34)	19.710	6279158	46.588 ug/ml
20)	T n-Hexatriacontane (C36)	20.453	6191104	52.103 ug/ml
21)	T n-Octatriacontane (C38)	21.196	6275071	56.565 ug/ml
22)	T n-Tetracontane (C40)	22.122	6329171	58.541 ug/ml

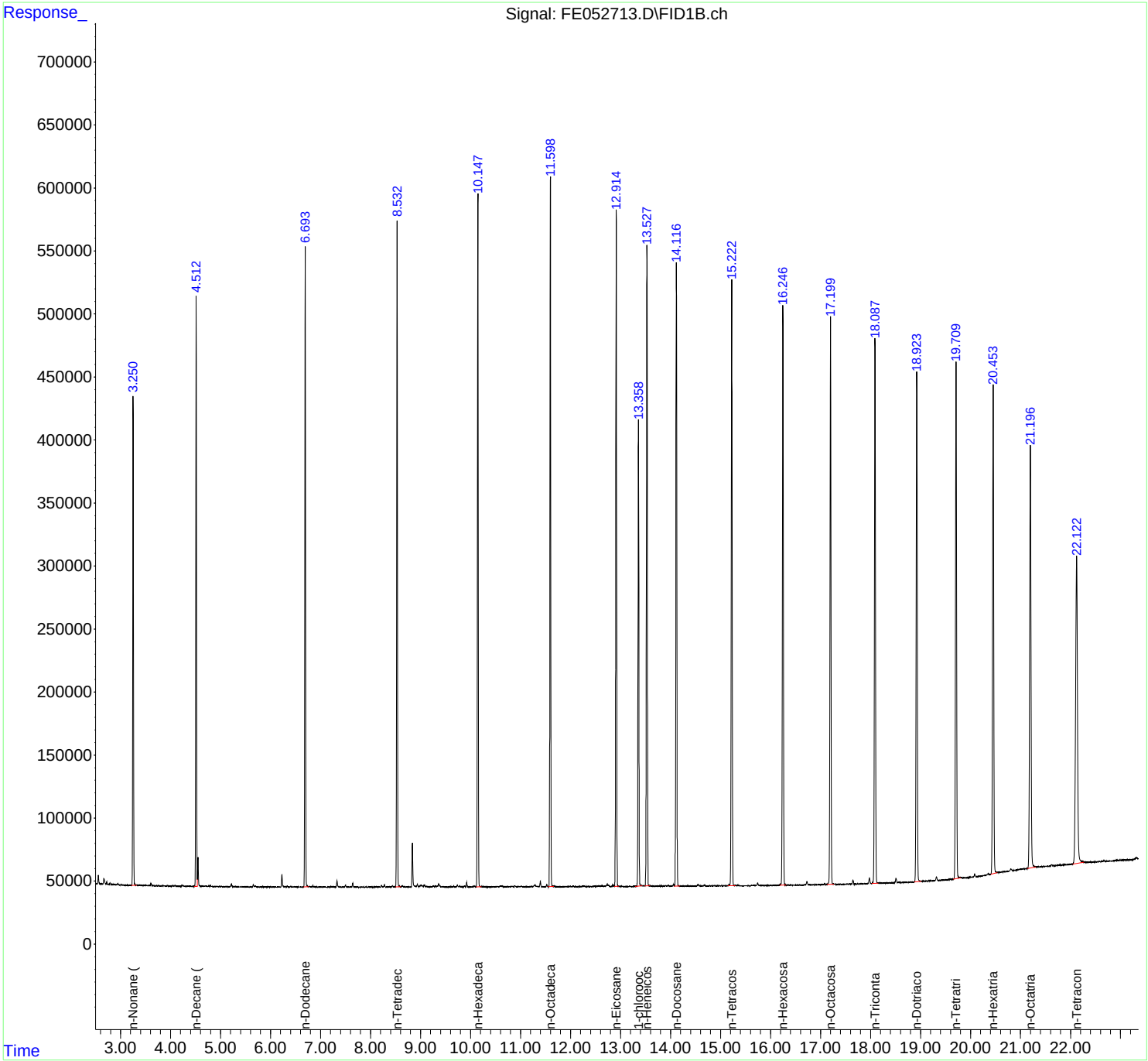
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052713.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 22:32
Operator : YP\AJ
Sample : Q1488-01MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-101-SB01MS

Integration File: autoint1.e
Quant Time: Mar 11 05:24:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052713.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 22:32
Sample : Q1488-01MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.555	2.531	2.614	BB	6999	69975	1.07%	0.062%
2	3.251	3.211	3.321	BB	388027	3926499	59.85%	3.488%
3	4.512	4.471	4.536	BV	465144	4725334	72.03%	4.198%
4	4.549	4.536	4.608	VB	22925	238289	3.63%	0.212%
5	6.228	6.201	6.274	BB	9945	109711	1.67%	0.097%
6	6.694	6.658	6.761	BB	507152	5189852	79.11%	4.611%
7	8.532	8.494	8.604	BB	526459	5619054	85.65%	4.992%
8	8.838	8.798	8.914	BB	35016	392042	5.98%	0.348%
9	10.148	10.111	10.218	BB	549665	6134619	93.51%	5.450%
10	11.598	11.554	11.661	PB	563375	6467491	98.58%	5.746%
11	12.913	12.872	12.964	PB	538710	6560393	100.00%	5.828%
12	13.358	13.298	13.434	BB	369939	4515939	68.84%	4.012%
13	13.527	13.484	13.591	BB	510532	6286711	95.83%	5.585%
14	14.115	14.077	14.188	VB	489887	6285602	95.81%	5.584%
15	15.222	15.144	15.294	BB	477358	6226039	94.90%	5.531%
16	16.246	16.178	16.314	BB	455802	6171430	94.07%	5.483%
17	17.198	17.128	17.271	BB	447635	6117068	93.24%	5.434%
18	18.088	18.021	18.154	BB	433849	6214716	94.73%	5.521%
19	18.924	18.871	19.014	BB	403051	6240074	95.12%	5.544%
20	19.710	19.651	19.804	BB	408851	6279158	95.71%	5.578%
21	20.453	20.401	20.534	BB	386412	6191104	94.37%	5.500%
22	21.196	21.131	21.311	BB	333367	6275071	95.65%	5.575%
23	22.122	22.041	22.271	BB	243759	6329171	96.48%	5.623%

Sum of corrected areas: 112565338

Aliphatic EPH 030325.M Tue Mar 11 06:21:04 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015635.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 19:43
Operator : YP\AJ
Sample : Q1488-01MSD
Misc :
ALS Vial : 77 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Mar 11 03:24:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.997	6125678	52.619 ug/ml
	Spiked Amount 50.000		Recovery = 105.24%	
6)	S 2-Flurobiphenyl (SURR)	8.875	3708178	52.058 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 104.12%	
11)	S ortho-Terphenyl (SURR)	11.934	4585479	31.172 ug/ml
	Spiked Amount 50.000		Recovery = 62.34%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.603	4111239	31.846 ug/ml
2)	T Naphthalene (C11.7)	6.275	4526606	35.468 ug/ml
3)	T 2-Methylnaphthalene (...	7.371	4432188	35.004 ug/ml
5)	T Acenaphthylene (C15.06)	8.673	5277450	37.335 ug/ml
7)	T Acenaphthene (C15.5)	8.971	5794370	40.683 ug/ml
8)	T Flouorene (C16.55)	9.762	5723946	43.017 ug/ml
9)	T Phenanthrene (C19.36)	11.170	5935463	45.631 ug/ml
10)	T Anthracene (C19.43)	11.245	5909263	47.179 ug/ml
12)	T Fluoranthene (C21.85)	12.993	6241118	44.194 ug/ml
13)	T Pyrene (C20.8)	13.292	6164085	42.876 ug/ml
14)	T Benzo[a]anthracene (C...	15.177	5614385	47.796 ug/ml
15)	T Chrysene (C27.41)	15.220	6749937	45.192 ug/ml
16)	T benzo[b]fluoranthene ...	16.739	5614781	43.111 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.772	5987374	40.126 ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.120	5198895	40.966 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.498	4934634	48.211 ug/mlm
20)	T Dibenz[a,h]anthracene...	18.531	5179421	40.058 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.753	5263590	42.298 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

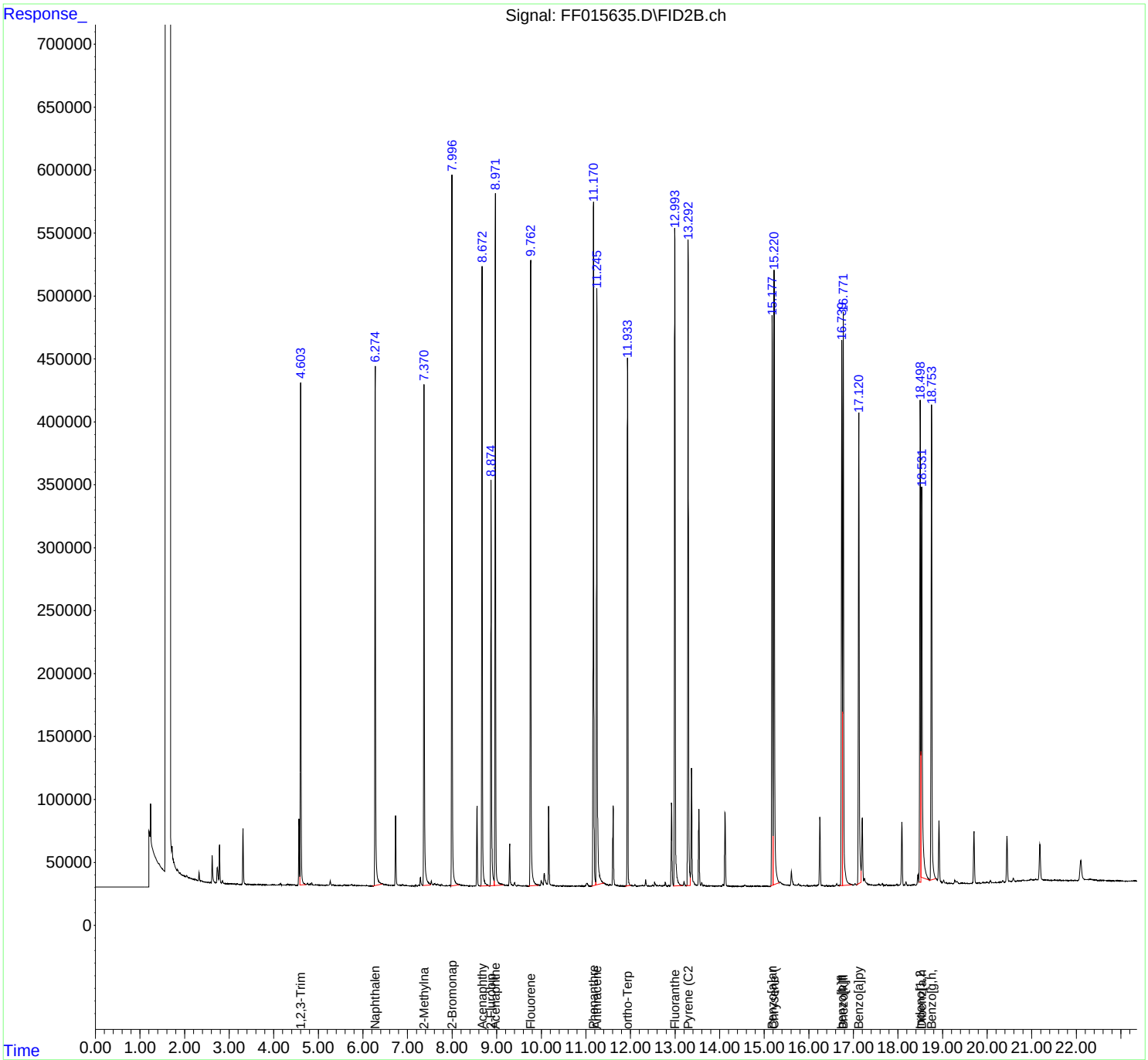
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF031025AR\
Data File : FF015635.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 19:43
Operator : YP\AJ
Sample : Q1488-01MSD
Misc :
ALS Vial : 77 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Mar 11 03:24:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Quant Title : GC Extractables
QLast Update : Wed Feb 26 12:36:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025



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Instrument :
FID_F
ClientSampleId :
ENV-101-SB01MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03102
Data File : FF015635.D
Signal(s) : FID2B.ch
Acq On : 10 Mar 2025 19:43
Sample : Q1488-01MSD
Misc :
ALS Vial : 77 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 022625.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.567	4.507	4.583	BV	52516	538731	7.98%	0.437%
2	4.603	4.583	4.724	VB	399109	4111239	60.91%	3.336%
3	5.268	5.207	5.312	BV	3476	48919	0.72%	0.040%
4	6.275	6.220	6.430	BV	411716	4526606	67.06%	3.673%
5	6.734	6.674	6.794	BV	55217	607055	8.99%	0.493%
6	7.289	7.212	7.340	BV	6505	99683	1.48%	0.081%
7	7.371	7.340	7.515	VV	397676	4432188	65.66%	3.596%
8	7.535	7.515	7.570	VV	3209	43167	0.64%	0.035%
9	7.997	7.972	8.159	BB	563426	6125678	90.75%	4.970%
10	8.560	8.505	8.620	BB	63166	682636	10.11%	0.554%
11	8.673	8.620	8.830	BBA	492496	5277450	78.19%	4.282%
12	8.875	8.830	8.945	BV	321617	3708178	54.94%	3.009%
13	8.971	8.945	9.149	VB	549044	5794370	85.84%	4.701%
14	9.293	9.182	9.364	BB	33051	368400	5.46%	0.299%
15	9.762	9.709	9.937	BV	498503	5723946	84.80%	4.644%
16	9.999	9.974	10.046	BV	3916	75734	1.12%	0.061%
17	10.067	10.046	10.142	VV	9529	200549	2.97%	0.163%
18	10.167	10.142	10.224	VB	62903	737667	10.93%	0.599%
19	11.170	11.120	11.220	BV	543593	5935463	87.93%	4.816%
20	11.245	11.220	11.400	VBA	473680	5909263	87.55%	4.795%
21	11.611	11.570	11.684	BB	63100	774829	11.48%	0.629%
22	11.934	11.877	12.007	BB	419933	4585479	67.93%	3.721%
23	12.339	12.294	12.385	BB	4753	58599	0.87%	0.048%
24	12.921	12.885	12.964	PV	66089	830248	12.30%	0.674%
25	12.993	12.964	13.174	VB	522106	6241118	92.46%	5.064%
26	13.292	13.240	13.342	BV	513200	6164085	91.32%	5.001%
27	13.368	13.342	13.475	VB	93058	1288213	19.08%	1.045%
28	13.533	13.479	13.574	BV	60062	735531	10.90%	0.597%
29	14.120	14.091	14.179	VB	58064	743446	11.01%	0.603%
30	15.177	15.130	15.197	BV	453476	5614385	83.18%	4.555%
31	15.220	15.197	15.340	VBA	489065	6749937	100.00%	5.477%
32	15.607	15.550	15.700	BB	10920	193123	2.86%	0.157%
33	16.247	16.160	16.287	BB	54344	731513	10.84%	0.594%
34	16.739	16.677	16.754	BV	432186	5614781	83.18%	4.556%
35	16.772	16.754	16.964	VB	457278	5987374	88.70%	4.858%
36	17.120	17.070	17.172	BV	374120	5198895	77.02%	4.218%

Page 1

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Instrument :
FID_F
ClientSampleId :
ENV-101-SB01MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/11/2025
Supervised By :Ankita Jodhani 03/11/2025

A B C D E F G H I J

rteres

37	17.197	17.172	17.230	VV	50697	755287	11.19%	0.613%
38	18.086	18.012	18.144	BB	50337	704846	10	
39	18.498	18.450	18.514	BV	380560	4886053	72	
40	18.531	18.514	18.715	VV	310140	5179421	76	
41	18.753	18.715	18.850	PBA	374708	5263590	77	

Sum of corrected areas: 1232

Aromatic EPH 022625.M Tue Mar 11 04:31:48 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052714.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 23:03
Operator : YP\AJ
Sample : Q1488-01MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-101-SB01MSD

Integration File: autoint1.e
Quant Time: Mar 11 05:24:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	13.358	4685264	38.585 ug/ml
Spiked Amount	50.000		Recovery =	77.17%
	Target Compounds			
1) T	n-Nonane (C9)	3.251	3992647	25.751 ug/ml
2) T	n-Decane (C10)	4.512	4811237	30.626 ug/ml
4) T	n-Dodecane (C12)	6.694	5292645	33.993 ug/ml
6) T	n-Tetradecane (C14)	8.532	5735650	37.907 ug/ml
7) T	n-Hexadecane (C16)	10.147	6252593	40.897 ug/ml
8) T	n-Octadecane (C18)	11.597	6578667	43.241 ug/ml
10) T	n-Eicosane (C20)	12.912	6668442	45.934 ug/ml
11) T	n-Heneicosane (C21)	13.526	6390314	44.898 ug/ml
13) T	n-Docosane (C22)	14.115	6386541	44.878 ug/ml
14) T	n-Tetracosane (C24)	15.222	6323730	44.188 ug/ml
15) T	n-Hexacosane (C26)	16.247	6293313	44.259 ug/ml
16) T	n-Octacosane (C28)	17.198	6250184	43.955 ug/ml
17) T	n-Tricontane (C30)	18.089	6337909	42.911 ug/ml
18) T	n-Dotriacontane (C32)	18.924	6355288	43.775 ug/ml
19) T	n-Tetratriacontane (C34)	19.710	6368875	47.254 ug/ml
20) T	n-Hexatriacontane (C36)	20.452	6272863	52.791 ug/ml
21) T	n-Octatriacontane (C38)	21.195	6365465	57.380 ug/ml
22) T	n-Tetracontane (C40)	22.118	6423303	59.411 ug/ml

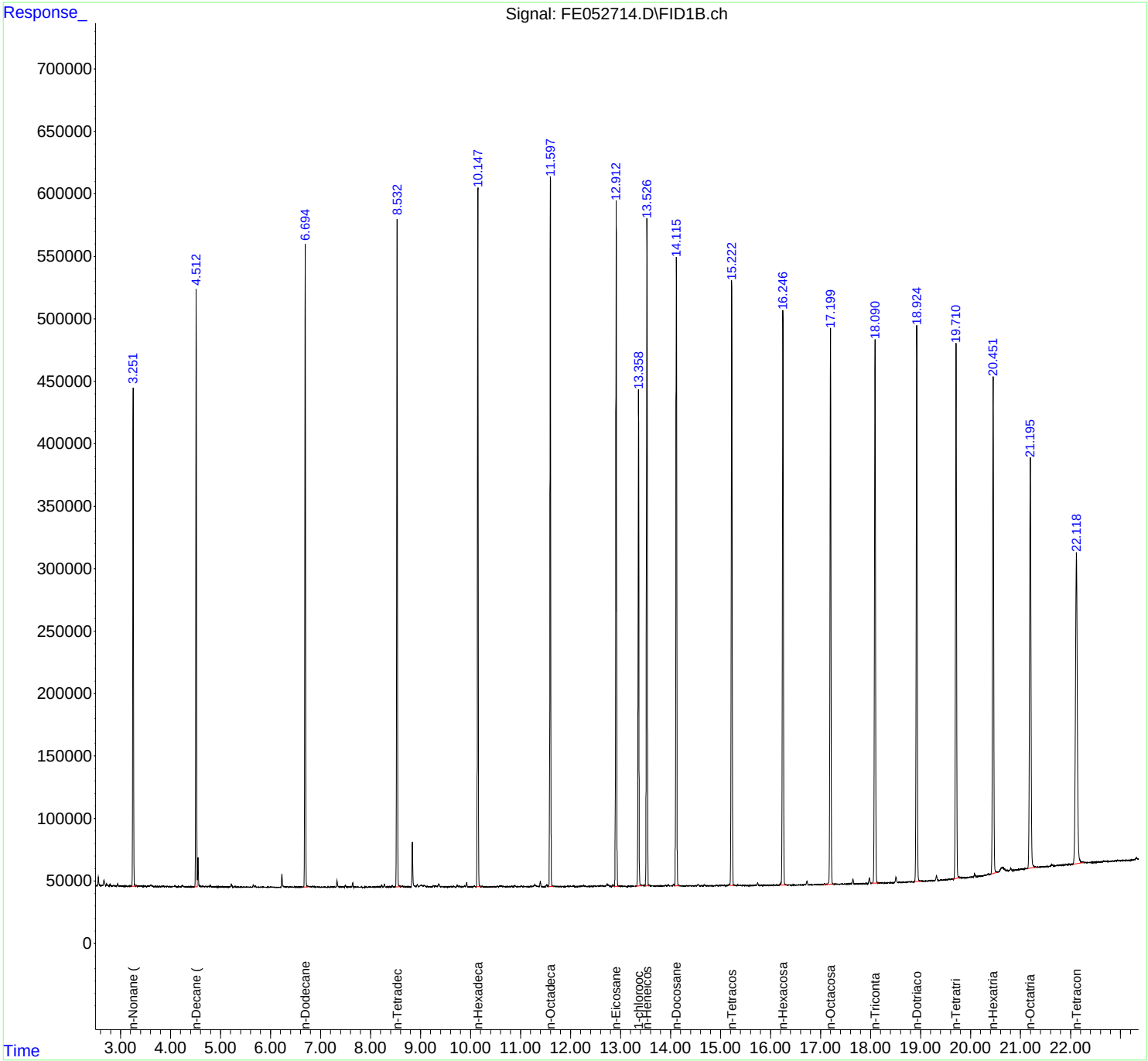
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052714.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 23:03
Operator : YP\AJ
Sample : Q1488-01MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
ENV-101-SB01MSD

Integration File: autoint1.e
Quant Time: Mar 11 05:24:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Quant Title : GC Extractables
QLast Update : Mon Mar 03 13:39:39 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031025AL\
Data File : FE052714.D
Signal(s) : FID1B.ch
Acq On : 10 Mar 2025 23:03
Sample : Q1488-01MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 030325.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.555	2.531	2.618	BB	7137	73710	1.11%	0.064%
2	3.251	3.218	3.321	BB	398705	3992647	59.87%	3.484%
3	4.512	4.474	4.536	BV	475837	4811237	72.15%	4.198%
4	4.549	4.536	4.611	VB	23212	242270	3.63%	0.211%
5	6.228	6.198	6.278	BB	10297	113007	1.69%	0.099%
6	6.694	6.651	6.754	BB	515731	5292645	79.37%	4.618%
7	8.532	8.494	8.601	BV	531369	5735650	86.01%	5.005%
8	8.837	8.701	8.901	BB	35549	387826	5.82%	0.338%
9	10.147	10.104	10.204	BB	561197	6252593	93.76%	5.456%
10	11.597	11.554	11.658	PB	572601	6578667	98.65%	5.740%
11	12.912	12.872	12.964	PB	546952	6668442	100.00%	5.819%
12	13.358	13.298	13.438	BB	396329	4685264	70.26%	4.088%
13	13.526	13.484	13.588	BB	535640	6390314	95.83%	5.576%
14	14.115	14.077	14.178	VB	503417	6386541	95.77%	5.573%
15	15.222	15.183	15.281	VB	479277	6323730	94.83%	5.518%
16	16.247	16.171	16.321	BB	457285	6293313	94.37%	5.491%
17	17.198	17.058	17.268	BB	445231	6250184	93.73%	5.454%
18	18.089	18.018	18.158	BB	435734	6337909	95.04%	5.530%
19	18.924	18.871	19.011	BB	447217	6355288	95.30%	5.546%
20	19.710	19.651	19.774	BB	428119	6368875	95.51%	5.557%
21	20.452	20.401	20.528	BB	397138	6272863	94.07%	5.474%
22	21.195	21.131	21.321	BB	328488	6365465	95.46%	5.554%
23	22.118	22.041	22.264	BB	249109	6423303	96.32%	5.605%
			Sum of corrected areas:			114601739		

Aliphatic EPH 030325.M Tue Mar 11 06:21:23 2025

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

Manual Integration Report

Sequence:	FC030625AL	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:	FC031125AL	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:	FD030725AR	Instrument	FID_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FD049169.D	Bnezo[k]fluoranthene (C30.14)	yogesh	3/10/2025 1:19:04 PM	Ankita	3/10/2025 2:00:04	Peak Integrated by Software
10 PPM AROMATIC HC	FD049172.D	Chrysene (C27.41)	yogesh	3/10/2025 1:18:54 PM	Ankita	3/10/2025 2:00:05	Peak Integrated by Software
10 PPM AROMATIC HC	FD049172.D	Dibenz[a,h]anthracene (C30.36)	yogesh	3/10/2025 1:18:54 PM	Ankita	3/10/2025 2:00:05	Peak Integrated by Software
10 PPM AROMATIC HC	FD049172.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	3/10/2025 1:18:54 PM	Ankita	3/10/2025 2:00:05	Peak Integrated by Software
5 PPM AROMATIC HC	FD049173.D	Benzo[a]anthracene (C26.37)	yogesh	3/10/2025 1:18:55 PM	Ankita	3/10/2025 2:00:08	Peak Integrated by Software
5 PPM AROMATIC HC	FD049173.D	benzo[b]fluoranthene (C30.41)	yogesh	3/10/2025 1:18:55 PM	Ankita	3/10/2025 2:00:08	Peak Integrated by Software
5 PPM AROMATIC HC	FD049173.D	Bnezo[k]fluoranthene (C30.14)	yogesh	3/10/2025 1:18:55 PM	Ankita	3/10/2025 2:00:08	Peak Integrated by Software
5 PPM AROMATIC HC	FD049173.D	Chrysene (C27.41)	yogesh	3/10/2025 1:18:55 PM	Ankita	3/10/2025 2:00:08	Peak Integrated by Software
5 PPM AROMATIC HC	FD049173.D	Dibenz[a,h]anthracene (C30.36)	yogesh	3/10/2025 1:18:55 PM	Ankita	3/10/2025 2:00:08	Peak Integrated by Software
5 PPM AROMATIC HC	FD049173.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	3/10/2025 1:18:55 PM	Ankita	3/10/2025 2:00:08	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FD031125AR	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:	FE030325AL	Instrument	FID_e

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:	FE031025AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1508-01DL	FE052693.D	1-chlorooctadecane (SURR)	yogesh	3/11/2025 8:09:43 AM	Ankita	3/11/2025 9:25:02	Peak Integrated by Software
Q1508-01DL	FE052693.D	ortho-Terphenyl (SURR)	yogesh	3/11/2025 8:09:43 AM	Ankita	3/11/2025 9:25:02	Peak Integrated by Software
Q1508-02DL	FE052694.D	ortho-Terphenyl (SURR)	yogesh	3/11/2025 8:09:45 AM	Ankita	3/11/2025 9:25:03	Peak Integrated by Software

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

Manual Integration Report

Sequence:	FE031125AL	Instrument	FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1534-17	FE052742.D	1-chlorooctadecane (SURR)	yogesh	3/12/2025 7:56:19 AM	Ankita	3/12/2025 10:43:42	Peak Integrated by Software
Q1534-17	FE052742.D	ortho-Terphenyl (SURR)	yogesh	3/12/2025 7:56:19 AM	Ankita	3/12/2025 10:43:42	Peak Integrated by Software
Q1535-01	FE052746.D	1-chlorooctadecane (SURR)	yogesh	3/12/2025 7:56:21 AM	Ankita	3/12/2025 10:43:52	Peak Integrated by Software
Q1535-01MS	FE052748.D	1-chlorooctadecane (SURR)	yogesh	3/12/2025 7:56:22 AM	Ankita	3/12/2025 10:43:54	Peak Integrated by Software
Q1535-01MS	FE052748.D	n-Dotriacontane (C32)	yogesh	3/12/2025 7:56:22 AM	Ankita	3/12/2025 10:43:54	Peak Integrated by Software
Q1535-01MS	FE052748.D	n-Octatriacontane (C38)	yogesh	3/12/2025 7:56:22 AM	Ankita	3/12/2025 10:43:54	Peak Integrated by Software
Q1535-01MSD	FE052749.D	1-chlorooctadecane (SURR)	yogesh	3/12/2025 7:56:24 AM	Ankita	3/12/2025 10:43:55	Peak Integrated by Software
Q1535-01MSD	FE052749.D	n-Dotriacontane (C32)	yogesh	3/12/2025 7:56:24 AM	Ankita	3/12/2025 10:43:55	Peak Integrated by Software
Q1535-01MSD	FE052749.D	n-Octatriacontane (C38)	yogesh	3/12/2025 7:56:24 AM	Ankita	3/12/2025 10:43:55	Peak Integrated by Software
Q1535-02	FE052750.D	1-chlorooctadecane (SURR)	yogesh	3/12/2025 7:56:25 AM	Ankita	3/12/2025 10:43:57	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF022625AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
20 PPM AROMATIC HC	FF015532.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/26/2025 3:00:00 PM	Ankita	2/27/2025 8:55:09	Peak Integrated by Software
20 PPM AROMATIC HC	FF015534.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	2/26/2025 2:59:58 PM	Ankita	2/27/2025 8:55:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF031025AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1488-01MS	FF015634.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	3/11/2025 7:58:21 AM	Ankita	3/11/2025 9:25:32	Peak Integrated by Software
Q1488-01MSD	FF015635.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	3/11/2025 7:58:22 AM	Ankita	3/11/2025 9:25:34	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF031125AR	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1514-01DL	FF015649.D	2-Flurobiphenyl (SURR)	yogesh	3/12/2025 7:56:07 AM	Ankita	3/12/2025 10:43:20	Peak Integrated by Software

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC030625AL

Review By	yogesh	Review On	3/6/2025 12:56:28 PM		
Supervise By	mohammad	Supervise On	3/7/2025 1:37:46 AM		
SubDirectory	FC030625AL	HP Acquire Method		HP Processing Method	FC030625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068377.D	06 Mar 2025 08:22	YP/AJ	Ok
2	I.BLK	FC068378.D	06 Mar 2025 08:59	YP/AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FC068379.D	06 Mar 2025 09:36	YP/AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FC068380.D	06 Mar 2025 10:13	YP/AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FC068381.D	06 Mar 2025 10:50	YP/AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FC068382.D	06 Mar 2025 11:28	YP/AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FC068383.D	06 Mar 2025 12:05	YP/AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FC068384.D	06 Mar 2025 12:44	YP/AJ	Ok
9	I.BLK	FC068385.D	06 Mar 2025 13:22	YP/AJ	Ok
10	20 PPM ALIPHATIC HC STD	FC068386.D	06 Mar 2025 13:59	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC031125AL

Review By	yogesh	Review On	3/11/2025 12:53:14 PM		
Supervise By	Ankita	Supervise On	3/12/2025 10:44:24 AM		
SubDirectory	FC031125AL	HP Acquire Method		HP Processing Method	FC030625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FC068387.D	11 Mar 2025 06:48	YP/AJ	Ok
2	I.BLK	FC068388.D	11 Mar 2025 07:24	YP/AJ	Ok
3	20 PPM ALIPHATIC HC STD	FC068389.D	11 Mar 2025 08:00	YP/AJ	Ok
4	PB167056BL	FC068390.D	11 Mar 2025 08:37	YP/AJ	Ok
5	PB167056BS	FC068391.D	11 Mar 2025 09:14	YP/AJ	Ok
6	PB167056BSD	FC068392.D	11 Mar 2025 09:52	YP/AJ	Ok
7	Q1494-01	FC068393.D	11 Mar 2025 10:34	YP/AJ	Ok
8	Q1514-07	FC068394.D	11 Mar 2025 11:11	YP/AJ	Ok
9	Q1514-08	FC068395.D	11 Mar 2025 11:48	YP/AJ	Ok
10	Q1514-09	FC068396.D	11 Mar 2025 12:25	YP/AJ	Ok
11	I.BLK	FC068397.D	11 Mar 2025 13:02	YP/AJ	Ok
12	20 PPM ALIPHATIC HC STD	FC068398.D	11 Mar 2025 13:39	YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD030725AR

Review By	yogesh	Review On	3/10/2025 8:03:45 AM		
Supervise By	Ankita	Supervise On	3/10/2025 2:00:29 PM		
SubDirectory	FD030725AR	HP Acquire Method		HP Processing Method	FD030725AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24199
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049167.D	06 Mar 2025 08:22	YP/AJ	Ok
2	I.BLK	FD049168.D	06 Mar 2025 08:59	YP/AJ	Ok
3	100 PPM AROMATIC HC STD1	FD049169.D	06 Mar 2025 09:36	YP/AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FD049170.D	06 Mar 2025 10:13	YP/AJ	Ok
5	20 PPM AROMATIC HC STD3	FD049171.D	06 Mar 2025 10:50	YP/AJ	Ok
6	10 PPM AROMATIC HC STD4	FD049172.D	06 Mar 2025 11:28	YP/AJ	Ok,M
7	5 PPM AROMATIC HC STD5	FD049173.D	06 Mar 2025 13:59	YP/AJ	Ok,M
8	20 PPM AROMATIC HC ICV	FD049174.D	06 Mar 2025 14:36	YP/AJ	Ok
9	I.BLK	FD049175.D	06 Mar 2025 15:13	YP/AJ	Ok
10	20 PPM AROMATIC HC STD	FD049176.D	06 Mar 2025 15:50	YP/AJ	Ok

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD031125AR

Review By	yogesh	Review On	3/11/2025 1:23:18 PM		
Supervise By	Ankita	Supervise On	3/12/2025 10:44:46 AM		
SubDirectory	FD031125AR	HP Acquire Method		HP Processing Method	FD030725AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24199
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FD049177.D	11 Mar 2025 06:48	YP/AJ	Ok
2	I.BLK	FD049178.D	11 Mar 2025 07:24	YP/AJ	Ok
3	20 PPM AROMATIC HC STD	FD049179.D	11 Mar 2025 08:00	YP/AJ	Ok
4	PB167056BL	FD049180.D	11 Mar 2025 08:37	YP/AJ	Ok
5	PB167056BS	FD049181.D	11 Mar 2025 09:14	YP/AJ	Ok
6	PB167056BSD	FD049182.D	11 Mar 2025 09:52	YP/AJ	Ok
7	Q1494-01	FD049183.D	11 Mar 2025 10:34	YP/AJ	Ok
8	Q1514-07	FD049184.D	11 Mar 2025 11:11	YP/AJ	Ok
9	Q1514-08	FD049185.D	11 Mar 2025 11:48	YP/AJ	Ok
10	Q1514-09	FD049186.D	11 Mar 2025 12:25	YP/AJ	Ok
11	I.BLK	FD049187.D	11 Mar 2025 13:02	YP/AJ	Ok
12	20 PPM AROMATIC HC STD	FD049188.D	11 Mar 2025 13:39	YP/AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE030325AL

Review By	yogesh	Review On	3/3/2025 1:02:44 PM		
Supervise By	mohammad	Supervise On	3/7/2025 1:35:41 AM		
SubDirectory	FE030325AL	HP Acquire Method		HP Processing Method	FE030325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE052572.D	03 Mar 2025 08:32	YP\AJ	Ok
2	I.BLK	FE052573.D	03 Mar 2025 09:02	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE052574.D	03 Mar 2025 11:03	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE052575.D	03 Mar 2025 11:34	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE052576.D	03 Mar 2025 12:04	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE052577.D	03 Mar 2025 12:34	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE052578.D	03 Mar 2025 13:04	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE052579.D	03 Mar 2025 13:35	YP\AJ	Ok
9	I.BLK	FE052580.D	03 Mar 2025 14:05	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE052581.D	03 Mar 2025 14:35	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE031025AL

Review By	yogesh	Review On	3/10/2025 11:00:03 AM		
Supervise By	Ankita	Supervise On	3/11/2025 9:25:11 AM		
SubDirectory	FE031025AL	HP Acquire Method		HP Processing Method	FE030325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE052690.D	10 Mar 2025 08:38	YP\AJ	Ok
2	I.BLK	FE052691.D	10 Mar 2025 09:09	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE052692.D	10 Mar 2025 10:09	YP\AJ	Ok
4	Q1508-01DL	FE052693.D	10 Mar 2025 11:00	YP\AJ	Ok,M
5	Q1508-02DL	FE052694.D	10 Mar 2025 11:30	YP\AJ	Ok,M
6	Q1518-01DL	FE052695.D	10 Mar 2025 12:00	YP\AJ	Ok
7	I.BLK	FE052696.D	10 Mar 2025 13:00	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD	FE052697.D	10 Mar 2025 13:31	YP\AJ	Ok
9	PB167046BL	FE052698.D	10 Mar 2025 14:01	YP\AJ	Ok
10	PB167046BS	FE052699.D	10 Mar 2025 14:31	YP\AJ	Ok
11	PB167046BSD	FE052700.D	10 Mar 2025 15:01	YP\AJ	Ok
12	Q1524-01	FE052701.D	10 Mar 2025 15:32	YP\AJ	Ok
13	Q1524-01D	FE052702.D	10 Mar 2025 16:01	YP\AJ	Ok
14	Q1524-01MS	FE052703.D	10 Mar 2025 16:31	YP\AJ	Ok
15	Q1524-01MSD	FE052704.D	10 Mar 2025 17:01	YP\AJ	Ok
16	Q1524-02	FE052705.D	10 Mar 2025 17:31	YP\AJ	Ok
17	I.BLK	FE052706.D	10 Mar 2025 18:32	YP\AJ	Ok
18	20 PPM ALIPHATIC HC STD	FE052707.D	10 Mar 2025 19:02	YP\AJ	Ok
19	PB167058BL	FE052708.D	10 Mar 2025 20:02	YP\AJ	Ok
20	PB167058BS	FE052709.D	10 Mar 2025 20:32	YP\AJ	Ok
21	PB167058BSD	FE052710.D	10 Mar 2025 21:02	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE031025AL

Review By	yogesh	Review On	3/10/2025 11:00:03 AM		
Supervise By	Ankita	Supervise On	3/11/2025 9:25:11 AM		
SubDirectory	FE031025AL	HP Acquire Method		HP Processing Method	FE030325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1488-01	FE052711.D	10 Mar 2025 21:32	YP\AJ	Ok
23	Q1488-01D	FE052712.D	10 Mar 2025 22:02	YP\AJ	Ok
24	Q1488-01MS	FE052713.D	10 Mar 2025 22:32	YP\AJ	Ok
25	Q1488-01MSD	FE052714.D	10 Mar 2025 23:03	YP\AJ	Ok
26	Q1488-03	FE052715.D	10 Mar 2025 23:32	YP\AJ	Ok
27	Q1488-05	FE052716.D	11 Mar 2025 00:03	YP\AJ	Ok
28	Q1488-07	FE052717.D	11 Mar 2025 00:33	YP\AJ	Ok
29	Q1488-09	FE052718.D	11 Mar 2025 01:03	YP\AJ	Ok
30	Q1488-11	FE052719.D	11 Mar 2025 01:34	YP\AJ	Ok
31	Q1514-01	FE052720.D	11 Mar 2025 02:04	YP\AJ	Dilution
32	Q1514-03	FE052721.D	11 Mar 2025 02:34	YP\AJ	Ok
33	Q1514-05	FE052722.D	11 Mar 2025 03:04	YP\AJ	Ok
34	I.BLK	FE052723.D	11 Mar 2025 04:04	YP\AJ	Ok
35	20 PPM ALIPHATIC HC STD	FE052724.D	11 Mar 2025 04:34	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE031125AL

Review By	yogesh	Review On	3/11/2025 12:49:09 PM		
Supervise By	Ankita	Supervise On	3/12/2025 10:44:11 AM		
SubDirectory	FE031125AL	HP Acquire Method		HP Processing Method	FE030325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE052725.D	11 Mar 2025 08:46	YP\AJ	Ok
2	I.BLK	FE052726.D	11 Mar 2025 09:16	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE052727.D	11 Mar 2025 09:46	YP\AJ	Ok
4	Q1514-01DL	FE052728.D	11 Mar 2025 10:20	YP\AJ	Ok
5	I.BLK	FE052729.D	11 Mar 2025 11:20	YP\AJ	Ok
6	20 PPM ALIPHATIC HC STD	FE052730.D	11 Mar 2025 11:50	YP\AJ	Ok
7	PB167079BL	FE052731.D	11 Mar 2025 13:37	YP\AJ	Ok
8	PB167079BS	FE052732.D	11 Mar 2025 14:07	YP\AJ	Ok
9	PB167079BSD	FE052733.D	11 Mar 2025 14:38	YP\AJ	Ok
10	Q1534-03	FE052734.D	11 Mar 2025 15:08	YP\AJ	Ok
11	Q1534-04	FE052735.D	11 Mar 2025 15:39	YP\AJ	Ok
12	Q1534-05	FE052736.D	11 Mar 2025 16:09	YP\AJ	Ok
13	Q1534-09	FE052737.D	11 Mar 2025 16:39	YP\AJ	Ok
14	Q1534-10	FE052738.D	11 Mar 2025 17:40	YP\AJ	Ok
15	Q1534-11	FE052739.D	11 Mar 2025 18:10	YP\AJ	Ok
16	Q1534-15	FE052740.D	11 Mar 2025 18:41	YP\AJ	Ok
17	Q1534-16	FE052741.D	11 Mar 2025 19:11	YP\AJ	Ok
18	Q1534-17	FE052742.D	11 Mar 2025 19:41	YP\AJ	Ok,M
19	Q1534-21	FE052743.D	11 Mar 2025 20:11	YP\AJ	Ok
20	Q1534-22	FE052744.D	11 Mar 2025 20:41	YP\AJ	Ok
21	Q1534-23	FE052745.D	11 Mar 2025 21:11	YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE031125AL

Review By	yogesh	Review On	3/11/2025 12:49:09 PM		
Supervise By	Ankita	Supervise On	3/12/2025 10:44:11 AM		
SubDirectory	FE031125AL	HP Acquire Method		HP Processing Method	FE030325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1535-01	FE052746.D	11 Mar 2025 21:42	YP\AJ	Dilution
23	Q1535-01D	FE052747.D	11 Mar 2025 22:12	YP\AJ	Ok
24	Q1535-01MS	FE052748.D	11 Mar 2025 22:42	YP\AJ	Ok,M
25	Q1535-01MSD	FE052749.D	11 Mar 2025 23:12	YP\AJ	Ok,M
26	Q1535-02	FE052750.D	11 Mar 2025 23:42	YP\AJ	Ok,M
27	I.BLK	FE052751.D	12 Mar 2025 00:43	YP\AJ	Ok
28	20 PPM ALIPHATIC HC STD	FE052752.D	12 Mar 2025 02:38	YP\AJ	Ok

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF022625AR

Review By	yogesh	Review On	2/26/2025 1:35:57 PM		
Supervise By	Ankita	Supervise On	2/27/2025 8:55:13 AM		
SubDirectory	FF022625AR	HP Acquire Method		HP Processing Method	FF022625AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205
CCC	PP24203
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015525.D	25 Feb 2025 06:50	YP\AJ	Ok
2	I.BLK	FF015526.D	25 Feb 2025 07:19	YP\AJ	Ok
3	100 PPM AROMATIC HC STD1	FF015527.D	25 Feb 2025 09:00	YP\AJ	Ok
4	50 PPM AROMATIC HC STD2	FF015528.D	25 Feb 2025 09:30	YP\AJ	Ok
5	20 PPM AROMATIC HC STD3	FF015529.D	25 Feb 2025 09:59	YP\AJ	Ok
6	10 PPM AROMATIC HC STD4	FF015530.D	25 Feb 2025 10:28	YP\AJ	Ok
7	5 PPM AROMATIC HC STD5	FF015531.D	25 Feb 2025 10:58	YP\AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FF015532.D	25 Feb 2025 11:27	YP\AJ	Ok,M
9	I.BLK	FF015533.D	25 Feb 2025 11:56	YP\AJ	Ok
10	20 PPM AROMATIC HC STD	FF015534.D	25 Feb 2025 12:26	YP\AJ	Ok,M

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF031025AR

Review By	yogesh	Review On	3/10/2025 1:31:15 PM		
Supervise By	Ankita	Supervise On	3/11/2025 9:25:39 AM		
SubDirectory	FF031025AR	HP Acquire Method		HP Processing Method	FF022625AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205
CCC	PP24203
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015626.D	10 Mar 2025 08:35	YP\AJ	Ok
2	I.BLK	FF015627.D	10 Mar 2025 13:00	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FF015628.D	10 Mar 2025 13:29	YP\AJ	Ok
4	PB167058BL	FF015629.D	10 Mar 2025 16:47	YP\AJ	Ok
5	PB167058BS	FF015630.D	10 Mar 2025 17:17	YP\AJ	Ok
6	PB167058BSD	FF015631.D	10 Mar 2025 17:46	YP\AJ	Ok
7	Q1488-01	FF015632.D	10 Mar 2025 18:15	YP\AJ	Ok
8	Q1488-01D	FF015633.D	10 Mar 2025 18:45	YP\AJ	Ok
9	Q1488-01MS	FF015634.D	10 Mar 2025 19:14	YP\AJ	Ok,M
10	Q1488-01MSD	FF015635.D	10 Mar 2025 19:43	YP\AJ	Ok,M
11	Q1488-03	FF015636.D	10 Mar 2025 20:13	YP\AJ	Ok
12	Q1488-05	FF015637.D	10 Mar 2025 20:42	YP\AJ	Ok
13	Q1488-07	FF015638.D	10 Mar 2025 21:11	YP\AJ	Ok
14	Q1488-09	FF015639.D	10 Mar 2025 21:41	YP\AJ	Ok
15	Q1488-11	FF015640.D	10 Mar 2025 22:10	YP\AJ	Ok
16	Q1514-01	FF015641.D	10 Mar 2025 22:39	YP\AJ	Dilution
17	Q1514-03	FF015642.D	10 Mar 2025 23:08	YP\AJ	Ok
18	Q1514-05	FF015643.D	10 Mar 2025 23:38	YP\AJ	Ok
19	I.BLK	FF015644.D	11 Mar 2025 00:36	YP\AJ	Ok
20	20 PPM AROMATIC HC STD	FF015645.D	11 Mar 2025 01:05	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF031125AR

Review By	yogesh	Review On	3/11/2025 12:48:02 PM		
Supervise By	Ankita	Supervise On	3/12/2025 10:43:24 AM		
SubDirectory	FF031125AR	HP Acquire Method		HP Processing Method	FF022625AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205
CCC	PP24203
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015646.D	11 Mar 2025 08:37	YP\AJ	Ok
2	I.BLK	FF015647.D	11 Mar 2025 09:06	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FF015648.D	11 Mar 2025 09:36	YP\AJ	Ok
4	Q1514-01DL	FF015649.D	11 Mar 2025 10:17	YP\AJ	Ok,M
5	I.BLK	FF015650.D	11 Mar 2025 10:46	YP\AJ	Ok
6	20 PPM AROMATIC HC STD	FF015651.D	11 Mar 2025 11:15	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC030625AL

Review By	yogesh	Review On	3/6/2025 12:56:28 PM		
Supervise By	mohammad	Supervise On	3/7/2025 1:37:46 AM		
SubDirectory	FC030625AL	HP Acquire Method		HP Processing Method	FC030625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068377.D	06 Mar 2025 08:22		YP/AJ	Ok
2	I.BLK	I.BLK	FC068378.D	06 Mar 2025 08:59		YP/AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FC068379.D	06 Mar 2025 09:36		YP/AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FC068380.D	06 Mar 2025 10:13		YP/AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068381.D	06 Mar 2025 10:50		YP/AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FC068382.D	06 Mar 2025 11:28		YP/AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FC068383.D	06 Mar 2025 12:05		YP/AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068384.D	06 Mar 2025 12:44		YP/AJ	Ok
9	I.BLK	I.BLK	FC068385.D	06 Mar 2025 13:22		YP/AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068386.D	06 Mar 2025 13:59		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_C

Daily Analysis Runlog For Sequence/QCBatch ID # FC031125AL

Review By	yogesh	Review On	3/11/2025 12:53:14 PM		
Supervise By	Ankita	Supervise On	3/12/2025 10:44:24 AM		
SubDirectory	FC031125AL	HP Acquire Method		HP Processing Method	FC030625AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FC068387.D	11 Mar 2025 06:48		YP/AJ	Ok
2	I.BLK	I.BLK	FC068388.D	11 Mar 2025 07:24		YP/AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068389.D	11 Mar 2025 08:00		YP/AJ	Ok
4	PB167056BL	PB167056BL	FC068390.D	11 Mar 2025 08:37		YP/AJ	Ok
5	PB167056BS	PB167056BS	FC068391.D	11 Mar 2025 09:14	naphthalene break down - 0.268, 2 methylnephthalene break down - 0.241	YP/AJ	Ok
6	PB167056BSD	PB167056BSD	FC068392.D	11 Mar 2025 09:52	naphthalene break down - 0.310, 2 methylnephthalene break down - 0.320	YP/AJ	Ok
7	Q1494-01	PURGE-WATER	FC068393.D	11 Mar 2025 10:34		YP/AJ	Ok
8	Q1514-07	ENV-105-GW01	FC068394.D	11 Mar 2025 11:11		YP/AJ	Ok
9	Q1514-08	ENV-103-GW01	FC068395.D	11 Mar 2025 11:48		YP/AJ	Ok
10	Q1514-09	FB03062025	FC068396.D	11 Mar 2025 12:25		YP/AJ	Ok
11	I.BLK	I.BLK	FC068397.D	11 Mar 2025 13:02		YP/AJ	Ok
12	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FC068398.D	11 Mar 2025 13:39		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD030725AR

Review By	yogesh	Review On	3/10/2025 8:03:45 AM		
Supervise By	Ankita	Supervise On	3/10/2025 2:00:29 PM		
SubDirectory	FD030725AR	HP Acquire Method		HP Processing Method	FD030725AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24199
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049167.D	06 Mar 2025 08:22		YP/AJ	Ok
2	I.BLK	I.BLK	FD049168.D	06 Mar 2025 08:59		YP/AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FD049169.D	06 Mar 2025 09:36		YP/AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FD049170.D	06 Mar 2025 10:13		YP/AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049171.D	06 Mar 2025 10:50		YP/AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FD049172.D	06 Mar 2025 11:28		YP/AJ	Ok,M
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FD049173.D	06 Mar 2025 13:59		YP/AJ	Ok,M
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049174.D	06 Mar 2025 14:36		YP/AJ	Ok
9	I.BLK	I.BLK	FD049175.D	06 Mar 2025 15:13		YP/AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049176.D	06 Mar 2025 15:50		YP/AJ	Ok

M : Manual Integration

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Instrument ID: FID_D

Daily Analysis Runlog For Sequence/QCBatch ID # FD031125AR

Review By	yogesh	Review On	3/11/2025 1:23:18 PM		
Supervise By	Ankita	Supervise On	3/12/2025 10:44:46 AM		
SubDirectory	FD031125AR	HP Acquire Method		HP Processing Method	FD030725AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP23970,PP23971,PP23972,PP23973
CCC	PP23971
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24199
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FD049177.D	11 Mar 2025 06:48		YP/AJ	Ok
2	I.BLK	I.BLK	FD049178.D	11 Mar 2025 07:24		YP/AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049179.D	11 Mar 2025 08:00		YP/AJ	Ok
4	PB167056BL	PB167056BL	FD049180.D	11 Mar 2025 08:37		YP/AJ	Ok
5	PB167056BS	PB167056BS	FD049181.D	11 Mar 2025 09:14	naphthalene break down - 0.268, 2 methylnephthalene break down - 0.241	YP/AJ	Ok
6	PB167056BSD	PB167056BSD	FD049182.D	11 Mar 2025 09:52	naphthalene break down - 0.310, 2 methylnephthalene break down - 0.320	YP/AJ	Ok
7	Q1494-01	PURGE-WATER	FD049183.D	11 Mar 2025 10:34		YP/AJ	Ok
8	Q1514-07	ENV-105-GW01	FD049184.D	11 Mar 2025 11:11		YP/AJ	Ok
9	Q1514-08	ENV-103-GW01	FD049185.D	11 Mar 2025 11:48		YP/AJ	Ok
10	Q1514-09	FB03062025	FD049186.D	11 Mar 2025 12:25		YP/AJ	Ok
11	I.BLK	I.BLK	FD049187.D	11 Mar 2025 13:02		YP/AJ	Ok
12	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FD049188.D	11 Mar 2025 13:39		YP/AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE030325AL

Review By	yogesh	Review On	3/3/2025 1:02:44 PM		
Supervise By	mohammad	Supervise On	3/7/2025 1:35:41 AM		
SubDirectory	FE030325AL	HP Acquire Method		HP Processing Method	FE030325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE052572.D	03 Mar 2025 08:32		YP\AJ	Ok
2	I.BLK	I.BLK	FE052573.D	03 Mar 2025 09:02		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FE052574.D	03 Mar 2025 11:03		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE052575.D	03 Mar 2025 11:34		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052576.D	03 Mar 2025 12:04		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE052577.D	03 Mar 2025 12:34		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE052578.D	03 Mar 2025 13:04		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052579.D	03 Mar 2025 13:35		YP\AJ	Ok
9	I.BLK	I.BLK	FE052580.D	03 Mar 2025 14:05		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052581.D	03 Mar 2025 14:35		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE031025AL

Review By	yogesh	Review On	3/10/2025 11:00:03 AM		
Supervise By	Ankita	Supervise On	3/11/2025 9:25:11 AM		
SubDirectory	FE031025AL	HP Acquire Method		HP Processing Method	FE030325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE052690.D	10 Mar 2025 08:38		YP\AJ	Ok
2	I.BLK	I.BLK	FE052691.D	10 Mar 2025 09:09		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052692.D	10 Mar 2025 10:09		YP\AJ	Ok
4	Q1508-01DL	RBR251372DL	FE052693.D	10 Mar 2025 11:00		YP\AJ	Ok,M
5	Q1508-02DL	RBR251372-E2DL	FE052694.D	10 Mar 2025 11:30		YP\AJ	Ok,M
6	Q1518-01DL	OILY-DEBRIS-COMPD	FE052695.D	10 Mar 2025 12:00		YP\AJ	Ok
7	I.BLK	I.BLK	FE052696.D	10 Mar 2025 13:00		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052697.D	10 Mar 2025 13:31		YP\AJ	Ok
9	PB167046BL	PB167046BL	FE052698.D	10 Mar 2025 14:01		YP\AJ	Ok
10	PB167046BS	PB167046BS	FE052699.D	10 Mar 2025 14:31		YP\AJ	Ok
11	PB167046BSD	PB167046BSD	FE052700.D	10 Mar 2025 15:01		YP\AJ	Ok
12	Q1524-01	72-11930-343-COMP	FE052701.D	10 Mar 2025 15:32		YP\AJ	Ok
13	Q1524-01D	Q1524-01D	FE052702.D	10 Mar 2025 16:01		YP\AJ	Ok
14	Q1524-01MS	72-11930-343-COMPM	FE052703.D	10 Mar 2025 16:31	FE052701.D	YP\AJ	Ok
15	Q1524-01MSD	72-11930-343-COMPM	FE052704.D	10 Mar 2025 17:01	FE052701.D!FE052703.D	YP\AJ	Ok
16	Q1524-02	VNJ-241	FE052705.D	10 Mar 2025 17:31		YP\AJ	Ok
17	I.BLK	I.BLK	FE052706.D	10 Mar 2025 18:32		YP\AJ	Ok
18	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052707.D	10 Mar 2025 19:02		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE031025AL

Review By	yogesh	Review On	3/10/2025 11:00:03 AM		
Supervise By	Ankita	Supervise On	3/11/2025 9:25:11 AM		
SubDirectory	FE031025AL	HP Acquire Method		HP Processing Method	FE030325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB167058BL	PB167058BL	FE052708.D	10 Mar 2025 20:02		YP\AJ	Ok
20	PB167058BS	PB167058BS	FE052709.D	10 Mar 2025 20:32	naphthalene break down - 1.10, 2 methylnephthalene break down - 0.64	YP\AJ	Ok
21	PB167058BSD	PB167058BSD	FE052710.D	10 Mar 2025 21:02	naphthalene break down - 0.84, 2 methylnephthalene break down - 0.63	YP\AJ	Ok
22	Q1488-01	ENV-101-SB01	FE052711.D	10 Mar 2025 21:32		YP\AJ	Ok
23	Q1488-01D	Q1488-01D	FE052712.D	10 Mar 2025 22:02		YP\AJ	Ok
24	Q1488-01MS	ENV-101-SB01MS	FE052713.D	10 Mar 2025 22:32	FE052711.D	YP\AJ	Ok
25	Q1488-01MSD	ENV-101-SB01MSD	FE052714.D	10 Mar 2025 23:03	FE052711.D!FE052713.D	YP\AJ	Ok
26	Q1488-03	ENV-101-SB02	FE052715.D	10 Mar 2025 23:32		YP\AJ	Ok
27	Q1488-05	ENV-102-SB01	FE052716.D	11 Mar 2025 00:03		YP\AJ	Ok
28	Q1488-07	ENV-102-SB02	FE052717.D	11 Mar 2025 00:33		YP\AJ	Ok
29	Q1488-09	ENV-104-SB01	FE052718.D	11 Mar 2025 01:03		YP\AJ	Ok
30	Q1488-11	ENV-104-SB02	FE052719.D	11 Mar 2025 01:34		YP\AJ	Ok
31	Q1514-01	ENV-105-SB01	FE052720.D	11 Mar 2025 02:04	need 2x dilution	YP\AJ	Dilution
32	Q1514-03	ENV-105-SB02	FE052721.D	11 Mar 2025 02:34		YP\AJ	Ok
33	Q1514-05	ENV-103-SB01	FE052722.D	11 Mar 2025 03:04		YP\AJ	Ok
34	I.BLK	I.BLK	FE052723.D	11 Mar 2025 04:04		YP\AJ	Ok
35	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052724.D	11 Mar 2025 04:34		YP\AJ	Ok

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE031125AL

Review By	yogesh	Review On	3/11/2025 12:49:09 PM		
Supervise By	Ankita	Supervise On	3/12/2025 10:44:11 AM		
SubDirectory	FE031125AL	HP Acquire Method		HP Processing Method	FE030325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE052725.D	11 Mar 2025 08:46		YP\AJ	Ok
2	I.BLK	I.BLK	FE052726.D	11 Mar 2025 09:16		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052727.D	11 Mar 2025 09:46		YP\AJ	Ok
4	Q1514-01DL	ENV-105-SB01DL	FE052728.D	11 Mar 2025 10:20		YP\AJ	Ok
5	I.BLK	I.BLK	FE052729.D	11 Mar 2025 11:20		YP\AJ	Ok
6	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052730.D	11 Mar 2025 11:50		YP\AJ	Ok
7	PB167079BL	PB167079BL	FE052731.D	11 Mar 2025 13:37		YP\AJ	Ok
8	PB167079BS	PB167079BS	FE052732.D	11 Mar 2025 14:07		YP\AJ	Ok
9	PB167079BSD	PB167079BSD	FE052733.D	11 Mar 2025 14:38		YP\AJ	Ok
10	Q1534-03	OR-363-46	FE052734.D	11 Mar 2025 15:08		YP\AJ	Ok
11	Q1534-04	OR-363-47	FE052735.D	11 Mar 2025 15:39		YP\AJ	Ok
12	Q1534-05	OR-363-48	FE052736.D	11 Mar 2025 16:09		YP\AJ	Ok
13	Q1534-09	OR-363-49	FE052737.D	11 Mar 2025 16:39		YP\AJ	Ok
14	Q1534-10	OR-363-50	FE052738.D	11 Mar 2025 17:40		YP\AJ	Ok
15	Q1534-11	OR-363-51	FE052739.D	11 Mar 2025 18:10		YP\AJ	Ok
16	Q1534-15	OR-363-52	FE052740.D	11 Mar 2025 18:41		YP\AJ	Ok
17	Q1534-16	OR-363-53	FE052741.D	11 Mar 2025 19:11		YP\AJ	Ok
18	Q1534-17	OR-363-54	FE052742.D	11 Mar 2025 19:41		YP\AJ	Ok,M

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Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QCBatch ID # FE031125AL

Review By	yogesh	Review On	3/11/2025 12:49:09 PM		
Supervise By	Ankita	Supervise On	3/12/2025 10:44:11 AM		
SubDirectory	FE031125AL	HP Acquire Method		HP Processing Method	FE030325AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1534-21	OR-363-55	FE052743.D	11 Mar 2025 20:11		YP\AJ	Ok
20	Q1534-22	OR-363-56	FE052744.D	11 Mar 2025 20:41		YP\AJ	Ok
21	Q1534-23	OR-363-57	FE052745.D	11 Mar 2025 21:11		YP\AJ	Ok
22	Q1535-01	SU-03-03102025	FE052746.D	11 Mar 2025 21:42	need 2x dilution	YP\AJ	Dilution
23	Q1535-01D	Q1535-01D	FE052747.D	11 Mar 2025 22:12		YP\AJ	Ok
24	Q1535-01MS	SU-03-03102025MS	FE052748.D	11 Mar 2025 22:42	FE052746.D	YP\AJ	Ok,M
25	Q1535-01MSD	SU-03-03102025MSD	FE052749.D	11 Mar 2025 23:12	FE052746.D!FE052748.D	YP\AJ	Ok,M
26	Q1535-02	SU-03-03102025-E2	FE052750.D	11 Mar 2025 23:42		YP\AJ	Ok,M
27	I.BLK	I.BLK	FE052751.D	12 Mar 2025 00:43		YP\AJ	Ok
28	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE052752.D	12 Mar 2025 02:38		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF022625AR

Review By	yogesh	Review On	2/26/2025 1:35:57 PM		
Supervise By	Ankita	Supervise On	2/27/2025 8:55:13 AM		
SubDirectory	FF022625AR	HP Acquire Method		HP Processing Method	FF022625AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205
CCC	PP24203
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF015525.D	25 Feb 2025 06:50		YP\AJ	Ok
2	I.BLK	I.BLK	FF015526.D	25 Feb 2025 07:19		YP\AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FF015527.D	25 Feb 2025 09:00		YP\AJ	Ok
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FF015528.D	25 Feb 2025 09:30		YP\AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015529.D	25 Feb 2025 09:59		YP\AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FF015530.D	25 Feb 2025 10:28		YP\AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FF015531.D	25 Feb 2025 10:58		YP\AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015532.D	25 Feb 2025 11:27		YP\AJ	Ok,M
9	I.BLK	I.BLK	FF015533.D	25 Feb 2025 11:56		YP\AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015534.D	25 Feb 2025 12:26		YP\AJ	Ok,M

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF031025AR

Review By	yogesh	Review On	3/10/2025 1:31:15 PM		
Supervise By	Ankita	Supervise On	3/11/2025 9:25:39 AM		
SubDirectory	FF031025AR	HP Acquire Method		HP Processing Method	FF022625AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205
CCC	PP24203
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF015626.D	10 Mar 2025 08:35		YP\AJ	Ok
2	I.BLK	I.BLK	FF015627.D	10 Mar 2025 13:00		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015628.D	10 Mar 2025 13:29		YP\AJ	Ok
4	PB167058BL	PB167058BL	FF015629.D	10 Mar 2025 16:47		YP\AJ	Ok
5	PB167058BS	PB167058BS	FF015630.D	10 Mar 2025 17:17	naphthalene break down - 1.10, 2 methylnephthalene break down - 0.64	YP\AJ	Ok
6	PB167058BSD	PB167058BSD	FF015631.D	10 Mar 2025 17:46	naphthalene break down - 0.84, 2 methylnephthalene break down - 0.63	YP\AJ	Ok
7	Q1488-01	ENV-101-SB01	FF015632.D	10 Mar 2025 18:15		YP\AJ	Ok
8	Q1488-01D	Q1488-01D	FF015633.D	10 Mar 2025 18:45		YP\AJ	Ok
9	Q1488-01MS	ENV-101-SB01MS	FF015634.D	10 Mar 2025 19:14	FF015632.D	YP\AJ	Ok,M
10	Q1488-01MSD	ENV-101-SB01MSD	FF015635.D	10 Mar 2025 19:43	FF015632.D!FF015634.D	YP\AJ	Ok,M
11	Q1488-03	ENV-101-SB02	FF015636.D	10 Mar 2025 20:13		YP\AJ	Ok
12	Q1488-05	ENV-102-SB01	FF015637.D	10 Mar 2025 20:42		YP\AJ	Ok
13	Q1488-07	ENV-102-SB02	FF015638.D	10 Mar 2025 21:11		YP\AJ	Ok
14	Q1488-09	ENV-104-SB01	FF015639.D	10 Mar 2025 21:41		YP\AJ	Ok
15	Q1488-11	ENV-104-SB02	FF015640.D	10 Mar 2025 22:10		YP\AJ	Ok
16	Q1514-01	ENV-105-SB01	FF015641.D	10 Mar 2025 22:39	need 2x dilution	YP\AJ	Dilution

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF031025AR

Review By	yogesh	Review On	3/10/2025 1:31:15 PM		
Supervise By	Ankita	Supervise On	3/11/2025 9:25:39 AM		
SubDirectory	FF031025AR	HP Acquire Method		HP Processing Method	FF022625AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205
CCC	PP24203
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	Q1514-03	ENV-105-SB02	FF015642.D	10 Mar 2025 23:08		YP\AJ	Ok
18	Q1514-05	ENV-103-SB01	FF015643.D	10 Mar 2025 23:38		YP\AJ	Ok
19	I.BLK	I.BLK	FF015644.D	11 Mar 2025 00:36		YP\AJ	Ok
20	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015645.D	11 Mar 2025 01:05		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF031125AR

Review By	yogesh	Review On	3/11/2025 12:48:02 PM		
Supervise By	Ankita	Supervise On	3/12/2025 10:43:24 AM		
SubDirectory	FF031125AR	HP Acquire Method		HP Processing Method	FF022625AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205
CCC	PP24203
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF015646.D	11 Mar 2025 08:37		YP\AJ	Ok
2	I.BLK	I.BLK	FF015647.D	11 Mar 2025 09:06		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015648.D	11 Mar 2025 09:36		YP\AJ	Ok
4	Q1514-01DL	ENV-105-SB01DL	FF015649.D	11 Mar 2025 10:17		YP\AJ	Ok,M
5	I.BLK	I.BLK	FF015650.D	11 Mar 2025 10:46		YP\AJ	Ok
6	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FF015651.D	11 Mar 2025 11:15		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167056

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	03/10/2025
Matrix :	Water			**Extraction Start Time :**	08:45
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	03/10/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	15:35
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24207
Surrogate	1.0ML	100 PPM	PP24210
Fractionation Surrogate	1.0ML	100 PPM	PP24216
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	E3878
Baked Na2SO4	N/A	EP2593
Hexane	N/A	E3877
6N HCL	N/A	EP2569
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
3/10/25	RS (EET Lab)	T.P. Post Prep
15:40	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167056

Analytical Method: MNJDEP-EPH-7

Concentration Date: 03/10/2025

Sample ID	Client Sample ID	Test	g /(mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167056BL	PB167056BL	EPH	1000	<2	RUPESH	ritesh	2			SEP-1
PB167056BS	PB167056BS	EPH	1000	<2	RUPESH	ritesh	2			2
PB167056BSD	PB167056BSD	EPH	1000	<2	RUPESH	ritesh	2			3
Q1494-01	PURGE-WATER	EPH	960	<2	RUPESH	ritesh	2	R		4
Q1514-07	ENV-105-GW01	EPH	940	<2	RUPESH	ritesh	2	F		5
Q1514-08	ENV-103-GW01	EPH	960	<2	RUPESH	ritesh	2	F		6
Q1514-09	FB03062025	EPH	800	<2	RUPESH	ritesh	2	F		7

RS 3/10

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

167051
8:05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1514EPH **WorkList ID :** 188158 **Department :** Extraction **Date :** 03-10-2025 08:39:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1494-01	PURGE-WATER	Water	EPH	1:1 HCl to pH < 2	PSEG03	I31	03/05/2025	NJEPH
Q1514-07	ENV-105-GW01	Water	EPH	1:1 HCl to pH < 2	PORT06	I31	03/05/2025	NJEPH
Q1514-08	ENV-103-GW01	Water	EPH	1:1 HCl to pH < 2	PORT06	I31	03/05/2025	NJEPH
Q1514-09	FB03062025	Water	EPH	1:1 HCl to pH < 2	PORT06	I31	03/06/2025	NJEPH

Date/Time 3/10/25 8:40
Raw Sample Received by: RS (EGL Labs)
Raw Sample Relinquished by: JD (SM)

Date/Time 3/10/25 9:10
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RS (EGL Labs)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167058

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	03/10/2025
Matrix :	Solid			**Extraction Start Time :**	09:20
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	03/10/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	16:40
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24207
Surrogate	1.0ML	100 PPM	PP24210
Fractionation Surrogate	1.0ML	100 PPM	PP24216
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2591
Baked Na2SO4	N/A	EP2593
Sand	N/A	E2865
Hexane	N/A	E3877
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/10/25	RS (Ext-Lab)	Y-P-Pest1PCB
16:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167058

Analytical Method: MNJDEP-EPH-7

Concentration Date: 03/10/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167058BL	PB167058BL	EPH	30.01	N/A	ritesh	Evelyn	2			U6-1
PB167058BS	PB167058BS	EPH	30.02	N/A	ritesh	Evelyn	2			2
PB167058BSD	PB167058BSD	EPH	30.02	N/A	ritesh	Evelyn	2			3
Q1488-01	ENV-101-SB01	EPH	30.06	N/A	ritesh	Evelyn	2	E		4
Q1488-01DUP	ENV-101-SB01DUP	EPH	30.05	N/A	ritesh	Evelyn	2	E		5
Q1488-01MS	ENV-101-SB01MS	EPH	30.02	N/A	ritesh	Evelyn	2	E		6
Q1488-01MSD	ENV-101-SB01MSD	EPH	30.03	N/A	ritesh	Evelyn	2	E		U2-1
Q1488-03	ENV-101-SB02	EPH	30.08	N/A	ritesh	Evelyn	2	E		2
Q1488-05	ENV-102-SB01	EPH	30.02	N/A	ritesh	Evelyn	2	E		3
Q1488-07	ENV-102-SB02	EPH	30.07	N/A	ritesh	Evelyn	2	E		4
Q1488-09	ENV-104-SB01	EPH	30.04	N/A	ritesh	Evelyn	2	E		5
Q1488-11	ENV-104-SB02	EPH	30.06	N/A	ritesh	Evelyn	2	E		6
Q1514-01	ENV-105-SB01	EPH	30.03	N/A	ritesh	Evelyn	2	E		U3-1
Q1514-03	ENV-105-SB02	EPH	30.05	N/A	ritesh	Evelyn	2	E		2
Q1514-05	ENV-103-SB01	EPH	30.04	N/A	ritesh	Evelyn	2	E		3

3/10

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

167058 9:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1488EPH **WorkList ID :** 188160 **Department :** Extraction **Date :** 03-10-2025 08:28:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1488-01	ENV-101-SB01	Solid	EPH	Cool 4 deg C	PORT06	H31	03/04/2025	NJEPH
Q1488-03	ENV-101-SB02	Solid	EPH	Cool 4 deg C	PORT06	H31	03/04/2025	NJEPH
Q1488-05	ENV-102-SB01	Solid	EPH	Cool 4 deg C	PORT06	H31	03/04/2025	NJEPH
Q1488-07	ENV-102-SB02	Solid	EPH	Cool 4 deg C	PORT06	H31	03/04/2025	NJEPH
Q1488-09	ENV-104-SB01	Solid	EPH	Cool 4 deg C	PORT06	H31	03/04/2025	NJEPH
Q1488-11	ENV-104-SB02	Solid	EPH	Cool 4 deg C	PORT06	H31	03/04/2025	NJEPH
Q1514-01	ENV-105-SB01	Solid	EPH	Cool 4 deg C	PORT06	I31	03/05/2025	NJEPH
Q1514-03	ENV-105-SB02	Solid	EPH	Cool 4 deg C	PORT06	I31	03/05/2025	NJEPH
Q1514-05	ENV-103-SB01	Solid	EPH	Cool 4 deg C	PORT06	I31	03/05/2025	NJEPH

Date/Time 3/10/25 9:15
Raw Sample Received by: RJ (EX-lab)
Raw Sample Relinquished by: JD (SM)

Date/Time 3/10/25 9:50
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RJ (EX-lab)

Alliance TECHNICAL GROUP
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LAB CHRONICLE

OrderID:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-01	**ENV-105-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
			EPH	NJEPH		03/10/25	03/10/25	
Q1514-01DL	**ENV-105-SB01DL**	**Solid**			**03/05/25**			**03/06/25**
			EPH	NJEPH		03/10/25	03/11/25	
Q1514-03	**ENV-105-SB02**	**SOIL**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1514-05	**ENV-103-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
			EPH	NJEPH		03/10/25	03/10/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1514-07	**ENV-105-GW01**	**WATER**			**03/05/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
			EPH	NJEPH		03/10/25	03/11/25	
Q1514-08	**ENV-103-GW01**	**Water**			**03/05/25**			**03/06/25**
			EPH	NJEPH		03/10/25	03/11/25	
			PCB	8082A		03/07/25	03/07/25	
Q1514-09	**FB03062025**	**WATER**			**03/06/25**			**03/06/25**
			PCB	8082A		03/07/25	03/07/25	
			EPH	NJEPH		03/10/25	03/11/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1514 **Order ID:** Q1514

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : ENV-105-SB01								
Q1514-01	ENV-105-SB01	SOIL	Aluminum	5600		2.18	4.53	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Arsenic	3.95		0.26	0.91	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Barium	100		0.58	4.53	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Beryllium	0.45		0.011	0.27	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Cadmium	0.041	J	0.014	0.27	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Calcium	16200		2.54	90.6	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Chromium	19.4		0.049	0.45	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Cobalt	8.72		0.053	1.36	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Copper	64.1		0.43	0.91	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Iron	16900		2.44	4.53	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Lead	1050		0.14	0.54	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Magnesium	3270		3.11	90.6	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Manganese	227		0.064	0.91	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Mercury	1.73	D	0.033	0.073	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Nickel	20.6		0.082	1.81	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Potassium	1220		26.0	90.6	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Sodium	291		32.7	90.6	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Vanadium	24.1		0.25	1.81	mg/Kg
Q1514-01	ENV-105-SB01	SOIL	Zinc	139		0.10	1.81	mg/Kg
Client ID : ENV-105-SB02								
Q1514-03	ENV-105-SB02	SOIL	Aluminum	3260		2.56	5.32	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Arsenic	2.08		0.31	1.06	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Barium	18.7		0.68	5.32	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Beryllium	0.38		0.013	0.32	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Calcium	909		2.98	106	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Chromium	6.40		0.057	0.53	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Cobalt	5.36		0.062	1.60	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Copper	12.9		0.50	1.06	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Iron	10900		2.86	5.32	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Lead	19.1		0.16	0.64	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Magnesium	1090		3.65	106	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Manganese	56.4		0.076	1.06	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Mercury	0.39		0.0070	0.015	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Nickel	9.52		0.096	2.13	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Potassium	314		30.5	106	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Sodium	51.3	J	38.4	106	mg/Kg
Q1514-03	ENV-105-SB02	SOIL	Vanadium	11.5		0.29	2.13	mg/Kg

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1514 **Order ID:** Q1514

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1514-03	ENV-105-SB02	SOIL	Zinc	40.4		0.12	2.13	mg/Kg
Client ID :	**ENV-103-SB01**							
Q1514-05	ENV-103-SB01	SOIL	Aluminum	6210		2.36	4.90	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Arsenic	2.40		0.28	0.98	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Barium	31.7		0.63	4.90	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Beryllium	0.50		0.012	0.29	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Cadmium	0.71		0.016	0.29	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Calcium	6460		2.74	98.0	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Chromium	28.4		0.053	0.49	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Cobalt	10.9		0.057	1.47	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Copper	37.4		0.46	0.98	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Iron	14400		2.64	4.90	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Lead	17.0		0.15	0.59	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Magnesium	4650		3.36	98.0	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Manganese	140		0.070	0.98	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Mercury	0.035		0.0060	0.014	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Nickel	19.1		0.088	1.96	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Potassium	1810		28.1	98.0	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Sodium	192		35.4	98.0	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Vanadium	19.2		0.27	1.96	mg/Kg
Q1514-05	ENV-103-SB01	SOIL	Zinc	31.0		0.11	1.96	mg/Kg
Client ID :	**ENV-105-GW01**							
Q1514-07	ENV-105-GW01	Water	Aluminum	304000		28.3	50.0	ug/L
Q1514-07	ENV-105-GW01	Water	Arsenic	272		3.48	10.0	ug/L
Q1514-07	ENV-105-GW01	Water	Barium	7040		6.28	50.0	ug/L
Q1514-07	ENV-105-GW01	Water	Beryllium	23.8		0.13	3.00	ug/L
Q1514-07	ENV-105-GW01	Water	Cadmium	240		0.094	3.00	ug/L
Q1514-07	ENV-105-GW01	Water	Calcium	2820000	D	330	10000	ug/L
Q1514-07	ENV-105-GW01	Water	Chromium	760		0.66	5.00	ug/L
Q1514-07	ENV-105-GW01	Water	Cobalt	657		0.50	15.0	ug/L
Q1514-07	ENV-105-GW01	Water	Copper	11300		7.07	10.0	ug/L
Q1514-07	ENV-105-GW01	Water	Iron	1240000	D	185	500	ug/L
Q1514-07	ENV-105-GW01	Water	Lead	121000		3.51	6.00	ug/L
Q1514-07	ENV-105-GW01	Water	Magnesium	140000		39.4	1000	ug/L
Q1514-07	ENV-105-GW01	Water	Manganese	11800		1.46	10.0	ug/L
Q1514-07	ENV-105-GW01	Water	Mercury	67.0	D	0.81	2.00	ug/L
Q1514-07	ENV-105-GW01	Water	Nickel	1980		0.85	20.0	ug/L
Q1514-07	ENV-105-GW01	Water	Potassium	76100		685	1000	ug/L
Q1514-07	ENV-105-GW01	Water	Sodium	50100		237	1000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q1514 **Order ID:** Q1514

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1514-07	ENV-105-GW01	Water	Vanadium	741		3.06	20.0	ug/L
Q1514-07	ENV-105-GW01	Water	Zinc	9130		1.75	20.0	ug/L
Client ID :	**ENV-103-GW01**							
Q1514-08	ENV-103-GW01	Water	Aluminum	44700		28.3	50.0	ug/L
Q1514-08	ENV-103-GW01	Water	Arsenic	14.9		3.48	10.0	ug/L
Q1514-08	ENV-103-GW01	Water	Barium	289		6.28	50.0	ug/L
Q1514-08	ENV-103-GW01	Water	Beryllium	3.38		0.13	3.00	ug/L
Q1514-08	ENV-103-GW01	Water	Cadmium	1.60	J	0.094	3.00	ug/L
Q1514-08	ENV-103-GW01	Water	Calcium	277000		33.0	1000	ug/L
Q1514-08	ENV-103-GW01	Water	Chromium	158		0.66	5.00	ug/L
Q1514-08	ENV-103-GW01	Water	Cobalt	75.0		0.50	15.0	ug/L
Q1514-08	ENV-103-GW01	Water	Copper	220		7.07	10.0	ug/L
Q1514-08	ENV-103-GW01	Water	Iron	89200		18.5	50.0	ug/L
Q1514-08	ENV-103-GW01	Water	Lead	135		3.51	6.00	ug/L
Q1514-08	ENV-103-GW01	Water	Magnesium	40500		39.4	1000	ug/L
Q1514-08	ENV-103-GW01	Water	Manganese	2930		1.46	10.0	ug/L
Q1514-08	ENV-103-GW01	Water	Mercury	0.52		0.081	0.20	ug/L
Q1514-08	ENV-103-GW01	Water	Nickel	125		0.85	20.0	ug/L
Q1514-08	ENV-103-GW01	Water	Potassium	36200		685	1000	ug/L
Q1514-08	ENV-103-GW01	Water	Sodium	403000		237	1000	ug/L
Q1514-08	ENV-103-GW01	Water	Vanadium	122		3.06	20.0	ug/L
Q1514-08	ENV-103-GW01	Water	Zinc	259		1.75	20.0	ug/L
Client ID :	**FB03062025**							
Q1514-09	FB03062025	Water	Calcium	57.7	J	33.0	1000	ug/L
Q1514-09	FB03062025	Water	Iron	23.4	J	18.5	50.0	ug/L
Q1514-09	FB03062025	Water	Manganese	1.53	J	1.46	10.0	ug/L
Q1514-09	FB03062025	Water	Zinc	4.80	J	1.75	20.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5600		1	2.18	4.53	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-36-0	Antimony	0.14	UN	1	0.14	2.26	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-38-2	Arsenic	3.95		1	0.26	0.91	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-39-3	Barium	100	N	1	0.58	4.53	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-41-7	Beryllium	0.45	N	1	0.011	0.27	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-43-9	Cadmium	0.041	J	1	0.014	0.27	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-70-2	Calcium	16200		1	2.54	90.6	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-47-3	Chromium	19.4		1	0.049	0.45	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-48-4	Cobalt	8.72		1	0.053	1.36	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-50-8	Copper	64.1		1	0.43	0.91	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7439-89-6	Iron	16900		1	2.44	4.53	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7439-92-1	Lead	1050	N	1	0.14	0.54	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7439-95-4	Magnesium	3270		1	3.11	90.6	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7439-96-5	Manganese	227		1	0.064	0.91	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7439-97-6	Mercury	1.73	D	5	0.033	0.073	mg/Kg	03/10/25 09:25	03/11/25 09:48	SW7471B	
7440-02-0	Nickel	20.6		1	0.082	1.81	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-09-7	Potassium	1220	N	1	26.0	90.6	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.91	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-22-4	Silver	0.047	U	1	0.047	0.45	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-23-5	Sodium	291		1	32.7	90.6	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.81	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-62-2	Vanadium	24.1		1	0.25	1.81	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050
7440-66-6	Zinc	139		1	0.10	1.81	mg/Kg	03/07/25 09:20	03/13/25 15:55	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	81

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3260		1	2.56	5.32	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-36-0	Antimony	0.16	UN	1	0.16	2.66	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-38-2	Arsenic	2.08		1	0.31	1.06	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-39-3	Barium	18.7	N	1	0.68	5.32	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-41-7	Beryllium	0.38	N	1	0.013	0.32	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-43-9	Cadmium	0.017	U	1	0.017	0.32	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-70-2	Calcium	909		1	2.98	106	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-47-3	Chromium	6.40		1	0.057	0.53	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-48-4	Cobalt	5.36		1	0.062	1.60	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-50-8	Copper	12.9		1	0.50	1.06	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7439-89-6	Iron	10900		1	2.86	5.32	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7439-92-1	Lead	19.1	N	1	0.16	0.64	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7439-95-4	Magnesium	1090		1	3.65	106	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7439-96-5	Manganese	56.4		1	0.076	1.06	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7439-97-6	Mercury	0.39		1	0.0070	0.015	mg/Kg	03/10/25 09:25	03/11/25 09:15	SW7471B	
7440-02-0	Nickel	9.52		1	0.096	2.13	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-09-7	Potassium	314	N	1	30.5	106	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7782-49-2	Selenium	0.35	UN	1	0.35	1.06	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-22-4	Silver	0.055	U	1	0.055	0.53	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-23-5	Sodium	51.3	J	1	38.4	106	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-28-0	Thallium	0.47	U	1	0.47	2.13	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-62-2	Vanadium	11.5		1	0.29	2.13	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050
7440-66-6	Zinc	40.4		1	0.12	2.13	mg/Kg	03/07/25 09:20	03/13/25 15:59	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6210		1	2.36	4.90	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-36-0	Antimony	0.15	UN	1	0.15	2.45	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-38-2	Arsenic	2.40		1	0.28	0.98	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-39-3	Barium	31.7	N	1	0.63	4.90	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-41-7	Beryllium	0.50	N	1	0.012	0.29	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-43-9	Cadmium	0.71		1	0.016	0.29	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-70-2	Calcium	6460		1	2.74	98.0	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-47-3	Chromium	28.4		1	0.053	0.49	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-48-4	Cobalt	10.9		1	0.057	1.47	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-50-8	Copper	37.4		1	0.46	0.98	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7439-89-6	Iron	14400		1	2.64	4.90	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7439-92-1	Lead	17.0	N	1	0.15	0.59	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7439-95-4	Magnesium	4650		1	3.36	98.0	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7439-96-5	Manganese	140		1	0.070	0.98	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7439-97-6	Mercury	0.035		1	0.0060	0.014	mg/Kg	03/10/25 09:25	03/11/25 09:18	SW7471B	
7440-02-0	Nickel	19.1		1	0.088	1.96	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-09-7	Potassium	1810	N	1	28.1	98.0	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7782-49-2	Selenium	0.32	UN	1	0.32	0.98	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-22-4	Silver	0.051	U	1	0.051	0.49	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-23-5	Sodium	192		1	35.4	98.0	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-28-0	Thallium	0.43	U	1	0.43	1.96	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-62-2	Vanadium	19.2		1	0.27	1.96	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050
7440-66-6	Zinc	31.0		1	0.11	1.96	mg/Kg	03/07/25 09:20	03/13/25 16:03	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	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	304000		1	28.3	50.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-38-2	Arsenic	272		1	3.48	10.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-39-3	Barium	7040		1	6.28	50.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-41-7	Beryllium	23.8		1	0.13	3.00	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-43-9	Cadmium	240		1	0.094	3.00	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-70-2	Calcium	2820000	D	10	330	10000	ug/L	03/10/25 08:55	03/13/25 18:08	SW6010	SW3010
7440-47-3	Chromium	760		1	0.66	5.00	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-48-4	Cobalt	657		1	0.50	15.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-50-8	Copper	11300		1	7.07	10.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7439-89-6	Iron	1240000	D	10	185	500	ug/L	03/10/25 08:55	03/13/25 18:08	SW6010	SW3010
7439-92-1	Lead	121000		1	3.51	6.00	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7439-95-4	Magnesium	140000		1	39.4	1000	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7439-96-5	Manganese	11800		1	1.46	10.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7439-97-6	Mercury	67.0	D	10	0.81	2.00	ug/L	03/07/25 14:40	03/10/25 13:08	SW7470A	
7440-02-0	Nickel	1980		1	0.85	20.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-09-7	Potassium	76100		1	685	1000	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-22-4	Silver	5.80	UD	10	5.80	50.0	ug/L	03/10/25 08:55	03/13/25 18:08	SW6010	SW3010
7440-23-5	Sodium	50100		1	237	1000	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-62-2	Vanadium	741		1	3.06	20.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010
7440-66-6	Zinc	9130		1	1.75	20.0	ug/L	03/10/25 08:55	03/13/25 18:44	SW6010	SW3010

Color Before:	Brown	Clarity Before:	Cloudy	Texture:	
Color After:	Brown	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	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	44700		1	28.3	50.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-38-2	Arsenic	14.9		1	3.48	10.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-39-3	Barium	289		1	6.28	50.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-41-7	Beryllium	3.38		1	0.13	3.00	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-43-9	Cadmium	1.60	J	1	0.094	3.00	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-70-2	Calcium	277000		1	33.0	1000	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-47-3	Chromium	158		1	0.66	5.00	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-48-4	Cobalt	75.0		1	0.50	15.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-50-8	Copper	220		1	7.07	10.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7439-89-6	Iron	89200		1	18.5	50.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7439-92-1	Lead	135		1	3.51	6.00	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7439-95-4	Magnesium	40500		1	39.4	1000	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7439-96-5	Manganese	2930		1	1.46	10.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7439-97-6	Mercury	0.52		1	0.081	0.20	ug/L	03/07/25 14:40	03/10/25 12:35	SW7470A	
7440-02-0	Nickel	125		1	0.85	20.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-09-7	Potassium	36200		1	685	1000	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-23-5	Sodium	403000		1	237	1000	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-62-2	Vanadium	122		1	3.06	20.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010
7440-66-6	Zinc	259		1	1.75	20.0	ug/L	03/10/25 08:55	03/13/25 15:46	SW6010	SW3010

Color Before:	Brown	Clarity Before:	Cloudy	Texture:	
Color After:	Brown	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	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	28.3	U	1	28.3	50.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-39-3	Barium	6.28	U	1	6.28	50.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-43-9	Cadmium	0.094	U	1	0.094	3.00	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-70-2	Calcium	57.7	J	1	33.0	1000	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-47-3	Chromium	0.66	U	1	0.66	5.00	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7439-89-6	Iron	23.4	J	1	18.5	50.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7439-95-4	Magnesium	39.4	U	1	39.4	1000	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7439-96-5	Manganese	1.53	J	1	1.46	10.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7439-97-6	Mercury	0.081	U	1	0.081	0.20	ug/L	03/07/25 14:40	03/10/25 12:38	SW7470A	
7440-02-0	Nickel	0.85	U	1	0.85	20.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-09-7	Potassium	685	U	1	685	1000	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-23-5	Sodium	237	U	1	237	1000	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	03/10/25 08:55	03/13/25 15:51	SW6010	SW3010
7440-66-6	Zinc	4.80	J	1	1.75	20.0	ug/L	03/10/25 08:55	03/13/25 15:51	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
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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB35	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	10:26	LB134958

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB75	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	10:39	LB134958
CCB76	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	11:11	LB134958
CCB77	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	11:53	LB134958
CCB78	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	12:26	LB134958
CCB79	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	12:47	LB134958
CCB80	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	13:12	LB134958

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB36	Mercury	0.20	+/-0.20	U	0.20	CV	03/11/2025	08:39	LB134978

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB80	Mercury	0.20	+/-0.20	U	0.20	CV	03/11/2025	08:43	LB134978
CCB81	Mercury	0.20	+/-0.20	U	0.20	CV	03/11/2025	09:22	LB134978
CCB82	Mercury	0.20	+/-0.20	U	0.20	CV	03/11/2025	09:53	LB134978
CCB83	Mercury	0.20	+/-0.20	U	0.20	CV	03/11/2025	10:01	LB134978

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	03/12/2025	11:01	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	11:01	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	11:01	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	11:01	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	11:01	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	11:01	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	11:01	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	11:01	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	11:01	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	11:01	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	11:01	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	11:01	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	11:01	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	11:01	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	11:01	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	11:01	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	11:01	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	11:01	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	11:01	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	11:01	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	11:01	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	11:01	LB135011

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	03/12/2025	11:34	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	11:34	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	11:34	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	11:34	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	11:34	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	11:34	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	11:34	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	11:34	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	11:34	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	11:34	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	11:34	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	11:34	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	11:34	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	11:34	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	11:34	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	11:34	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	11:34	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	11:34	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	11:34	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	11:34	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	11:34	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	11:34	LB135011
CCB02	Aluminum	100	+/-100	U	100	P	03/12/2025	12:24	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	12:24	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	12:24	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	12:24	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	12:24	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	12:24	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	12:24	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	12:24	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	12:24	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	12:24	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	12:24	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	12:24	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	12:24	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	12:24	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	12:24	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	12:24	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	12:24	LB135011

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	12:24	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	12:24	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	12:24	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	12:24	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	12:24	LB135011
CCB03	Aluminum	100	+/-100	U	100	P	03/12/2025	13:14	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	13:14	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	13:14	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	13:14	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	13:14	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	13:14	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	13:14	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	13:14	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	13:14	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	13:14	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	13:14	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	13:14	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	13:14	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	13:14	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	13:14	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	13:14	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	13:14	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	13:14	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	13:14	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	13:14	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	13:14	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	13:14	LB135011
CCB04	Aluminum	100	+/-100	U	100	P	03/12/2025	14:28	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	14:28	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	14:28	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	14:28	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	14:28	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	14:28	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	14:28	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	14:28	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	14:28	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	14:28	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	14:28	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	14:28	LB135011

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	14:28	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	14:28	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	14:28	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	14:28	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	14:28	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	14:28	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	14:28	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	14:28	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	14:28	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	14:28	LB135011
CCB05	Aluminum	100	+/-100	U	100	P	03/12/2025	15:29	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	15:29	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	15:29	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	15:29	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	15:29	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	15:29	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	15:29	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	15:29	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	15:29	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	15:29	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	15:29	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	15:29	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	15:29	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	15:29	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	15:29	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	15:29	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	15:29	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	15:29	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	15:29	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	15:29	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	15:29	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	15:29	LB135011
CCB06	Aluminum	100	+/-100	U	100	P	03/12/2025	16:30	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	16:30	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	16:30	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	16:30	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	16:30	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	16:30	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	16:30	LB135011

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	16:30	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	16:30	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	16:30	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	16:30	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	16:30	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	16:30	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	16:30	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	16:30	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	16:30	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	16:30	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	16:30	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	16:30	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	16:30	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	16:30	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	16:30	LB135011
CCB07	Aluminum	100	+/-100	U	100	P	03/12/2025	17:30	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	17:30	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	17:30	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	17:30	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	17:30	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	17:30	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	17:30	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	17:30	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	17:30	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	17:30	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	17:30	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	17:30	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	17:30	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	17:30	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	17:30	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	17:30	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	17:30	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	17:30	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	17:30	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	17:30	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	17:30	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	17:30	LB135011
CCB08	Aluminum	100	+/-100	U	100	P	03/12/2025	18:27	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	18:27	LB135011

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	18:27	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	18:27	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	18:27	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	18:27	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	18:27	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	18:27	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	18:27	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	18:27	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	18:27	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	18:27	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	18:27	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	18:27	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	18:27	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	18:27	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	18:27	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	18:27	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	18:27	LB135011
	Thallium	40.0	+/-40.0	U	40.0	P	03/12/2025	18:27	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	18:27	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	18:27	LB135011
CCB09	Aluminum	100	+/-100	U	100	P	03/12/2025	18:53	LB135011
	Antimony	50.0	+/-50.0	U	50.0	P	03/12/2025	18:53	LB135011
	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	18:53	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	18:53	LB135011
	Beryllium	6.00	+/-6.00	U	6.00	P	03/12/2025	18:53	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	18:53	LB135011
	Calcium	2000	+/-2000	U	2000	P	03/12/2025	18:53	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	18:53	LB135011
	Cobalt	30.0	+/-30.0	U	30.0	P	03/12/2025	18:53	LB135011
	Copper	20.0	+/-20.0	U	20.0	P	03/12/2025	18:53	LB135011
	Iron	100	+/-100	U	100	P	03/12/2025	18:53	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	18:53	LB135011
	Magnesium	2000	+/-2000	U	2000	P	03/12/2025	18:53	LB135011
	Manganese	20.0	+/-20.0	U	20.0	P	03/12/2025	18:53	LB135011
	Nickel	40.0	+/-40.0	U	40.0	P	03/12/2025	18:53	LB135011
	Potassium	2000	+/-2000	U	2000	P	03/12/2025	18:53	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	18:53	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	18:53	LB135011
	Sodium	2000	+/-2000	U	2000	P	03/12/2025	18:53	LB135011

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	18:53	LB135011
	Vanadium	40.0	+/-40.0	U	40.0	P	03/12/2025	18:53	LB135011
	Zinc	40.0	+/-40.0	U	40.0	P	03/12/2025	18:53	LB135011

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	03/13/2025	12:17	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	12:17	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	12:17	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	12:17	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	12:17	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	12:17	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	12:17	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	12:17	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	12:17	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	12:17	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	12:17	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	12:17	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	12:17	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	12:17	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	12:17	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	12:17	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	12:17	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	12:17	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	12:17	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	12:17	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	12:17	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	12:17	LB135035

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	03/13/2025	12:58	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	12:58	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	12:58	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	12:58	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	12:58	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	12:58	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	12:58	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	12:58	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	12:58	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	12:58	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	12:58	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	12:58	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	12:58	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	12:58	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	12:58	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	12:58	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	12:58	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	12:58	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	12:58	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	12:58	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	12:58	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	12:58	LB135035
CCB02	Aluminum	100	+/-100	U	100	P	03/13/2025	13:54	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	13:54	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	13:54	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	13:54	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	13:54	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	13:54	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	13:54	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	13:54	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	13:54	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	13:54	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	13:54	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	13:54	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	13:54	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	13:54	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	13:54	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	13:54	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	13:54	LB135035

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	13:54	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	13:54	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	13:54	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	13:54	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	13:54	LB135035
CCB03	Aluminum	100	+/-100	U	100	P	03/13/2025	14:48	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	14:48	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	14:48	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	14:48	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	14:48	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	14:48	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	14:48	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	14:48	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	14:48	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	14:48	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	14:48	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	14:48	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	14:48	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	14:48	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	14:48	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	14:48	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	14:48	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	14:48	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	14:48	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	14:48	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	14:48	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	14:48	LB135035
CCB04	Aluminum	100	+/-100	U	100	P	03/13/2025	15:42	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	15:42	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	15:42	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	15:42	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	15:42	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	15:42	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	15:42	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	15:42	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	15:42	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	15:42	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	15:42	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	15:42	LB135035

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	15:42	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	15:42	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	15:42	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	15:42	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	15:42	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	15:42	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	15:42	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	15:42	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	15:42	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	15:42	LB135035
CCB05	Aluminum	100	+/-100	U	100	P	03/13/2025	16:32	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	16:32	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	16:32	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	16:32	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	16:32	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	16:32	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	16:32	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	16:32	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	16:32	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	16:32	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	16:32	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	16:32	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	16:32	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	16:32	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	16:32	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	16:32	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	16:32	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	16:32	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	16:32	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	16:32	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	16:32	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	16:32	LB135035
CCB06	Aluminum	100	+/-100	U	100	P	03/13/2025	17:25	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	17:25	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	17:25	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	17:25	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	17:25	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	17:25	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	17:25	LB135035

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/13/2025	17:25	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	17:25	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	17:25	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	17:25	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	17:25	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	17:25	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	17:25	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	17:25	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	17:25	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	17:25	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	17:25	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	17:25	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	17:25	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	17:25	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	17:25	LB135035
CCB07	Aluminum	100	+/-100	U	100	P	03/13/2025	18:35	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	18:35	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	18:35	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	18:35	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	18:35	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	18:35	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	18:35	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	18:35	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	18:35	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	18:35	LB135035
	Iron	45.6	+/-100	J	100	P	03/13/2025	18:35	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	18:35	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	18:35	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	18:35	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	18:35	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	18:35	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	18:35	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	18:35	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	18:35	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	18:35	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	18:35	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	18:35	LB135035
CCB08	Aluminum	100	+/-100	U	100	P	03/13/2025	19:03	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	19:03	LB135035

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/13/2025	19:03	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	19:03	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	19:03	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	19:03	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	19:03	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	19:03	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	19:03	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	19:03	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	19:03	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	19:03	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	19:03	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	19:03	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	19:03	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	19:03	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	19:03	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	19:03	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	19:03	LB135035
	Thallium	40.0	+/-40.0	U	40.0	P	03/13/2025	19:03	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	19:03	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	19:03	LB135035
CCB09	Aluminum	100	+/-100	U	100	P	03/13/2025	19:21	LB135035
	Antimony	50.0	+/-50.0	U	50.0	P	03/13/2025	19:21	LB135035
	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	19:21	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	19:21	LB135035
	Beryllium	6.00	+/-6.00	U	6.00	P	03/13/2025	19:21	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	19:21	LB135035
	Calcium	2000	+/-2000	U	2000	P	03/13/2025	19:21	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	19:21	LB135035
	Cobalt	30.0	+/-30.0	U	30.0	P	03/13/2025	19:21	LB135035
	Copper	20.0	+/-20.0	U	20.0	P	03/13/2025	19:21	LB135035
	Iron	100	+/-100	U	100	P	03/13/2025	19:21	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	19:21	LB135035
	Magnesium	2000	+/-2000	U	2000	P	03/13/2025	19:21	LB135035
	Manganese	20.0	+/-20.0	U	20.0	P	03/13/2025	19:21	LB135035
	Nickel	40.0	+/-40.0	U	40.0	P	03/13/2025	19:21	LB135035
	Potassium	2000	+/-2000	U	2000	P	03/13/2025	19:21	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	19:21	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	19:21	LB135035
	Sodium	2000	+/-2000	U	2000	P	03/13/2025	19:21	LB135035

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/13/2025	19:21	LB135035
	Vanadium	40.0	+/-40.0	U	40.0	P	03/13/2025	19:21	LB135035
	Zinc	40.0	+/-40.0	U	40.0	P	03/13/2025	19:21	LB135035

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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167034BL		**WATER**		**Batch Number:**	**PB167034**		**Prep Date:**	**03/07/2025**	
	Mercury	0.20	<0.20	U	0.20	CV	03/10/2025	11:59	LB134958

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167064BL		**SOLID**		**Batch Number:**	**PB167064**		**Prep Date:**	**03/10/2025**	
	Mercury	0.013	<0.013	U	0.013	CV	03/11/2025	09:01	LB134978

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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167024BL		**SOLID**		**Batch Number:**	**PB167024**		**Prep Date:**	**03/07/2025**	
	Aluminum	4.33	<4.33	U	4.33	P	03/12/2025	12:03	LB135011
	Antimony	2.16	<2.16	U	2.16	P	03/12/2025	12:03	LB135011
	Arsenic	0.87	<0.87	U	0.87	P	03/12/2025	12:03	LB135011
	Barium	4.33	<4.33	U	4.33	P	03/12/2025	12:03	LB135011
	Beryllium	0.26	<0.26	U	0.26	P	03/12/2025	12:03	LB135011
	Cadmium	0.26	<0.26	U	0.26	P	03/12/2025	12:03	LB135011
	Calcium	86.6	<86.6	U	86.6	P	03/12/2025	12:03	LB135011
	Chromium	0.43	<0.43	U	0.43	P	03/12/2025	12:03	LB135011
	Cobalt	1.30	<1.30	U	1.30	P	03/12/2025	12:03	LB135011
	Copper	0.87	<0.87	U	0.87	P	03/12/2025	12:03	LB135011
	Iron	4.33	<4.33	U	4.33	P	03/12/2025	12:03	LB135011
	Lead	0.52	<0.52	U	0.52	P	03/12/2025	12:03	LB135011
	Magnesium	86.6	<86.6	U	86.6	P	03/12/2025	12:03	LB135011
	Manganese	0.87	<0.87	U	0.87	P	03/12/2025	12:03	LB135011
	Nickel	1.73	<1.73	U	1.73	P	03/12/2025	12:03	LB135011
	Potassium	86.6	<86.6	U	86.6	P	03/12/2025	12:03	LB135011
	Selenium	0.87	<0.87	U	0.87	P	03/12/2025	12:03	LB135011
	Silver	0.43	<0.43	U	0.43	P	03/12/2025	12:03	LB135011
	Sodium	86.6	<86.6	U	86.6	P	03/12/2025	12:03	LB135011
	Thallium	1.73	<1.73	U	1.73	P	03/12/2025	12:03	LB135011
	Vanadium	1.73	<1.73	U	1.73	P	03/12/2025	12:03	LB135011
	Zinc	1.73	<1.73	U	1.73	P	03/12/2025	12:03	LB135011

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167038BL		**WATER**		**Batch Number:**	**PB167038**		**Prep Date:**	**03/10/2025**	
	Aluminum	50.0	<50.0	U	50.0	P	03/12/2025	11:55	LB135011
	Antimony	25.0	<25.0	U	25.0	P	03/12/2025	11:55	LB135011
	Arsenic	10.0	<10.0	U	10.0	P	03/12/2025	11:55	LB135011
	Barium	50.0	<50.0	U	50.0	P	03/12/2025	11:55	LB135011
	Beryllium	3.00	<3.00	U	3.00	P	03/12/2025	11:55	LB135011
	Cadmium	3.00	<3.00	U	3.00	P	03/12/2025	11:55	LB135011
	Calcium	1000	<1000	U	1000	P	03/12/2025	11:55	LB135011
	Chromium	5.00	<5.00	U	5.00	P	03/12/2025	11:55	LB135011
	Cobalt	15.0	<15.0	U	15.0	P	03/12/2025	11:55	LB135011
	Copper	10.0	<10.0	U	10.0	P	03/12/2025	11:55	LB135011
	Iron	50.0	<50.0	U	50.0	P	03/12/2025	11:55	LB135011
	Lead	6.00	<6.00	U	6.00	P	03/12/2025	11:55	LB135011
	Magnesium	1000	<1000	U	1000	P	03/12/2025	11:55	LB135011
	Manganese	10.0	<10.0	U	10.0	P	03/12/2025	11:55	LB135011
	Nickel	20.0	<20.0	U	20.0	P	03/12/2025	11:55	LB135011

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Metals
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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Instrument: P4

Potassium	1000	<1000	U	1000	P	03/12/2025	11:55	LB135011
Selenium	10.0	<10.0	U	10.0	P	03/12/2025	11:55	LB135011
Silver	5.00	<5.00	U	5.00	P	03/12/2025	11:55	LB135011
Sodium	1000	<1000	U	1000	P	03/12/2025	11:55	LB135011
Thallium	20.0	<20.0	U	20.0	P	03/12/2025	11:55	LB135011
Vanadium	20.0	<20.0	U	20.0	P	03/12/2025	11:55	LB135011
Zinc	20.0	<20.0	U	20.0	P	03/12/2025	11:55	LB135011

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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
ICV35	Mercury	4.01	4.0	100	90 - 110	CV	03/10/2025	10:22	LB134958

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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
CCV75	Mercury	4.61	5.0	92	90 - 110	CV	03/10/2025	10:34	LB134958
CCV76	Mercury	4.87	5.0	97	90 - 110	CV	03/10/2025	11:09	LB134958
CCV77	Mercury	5.16	5.0	103	90 - 110	CV	03/10/2025	11:48	LB134958
CCV78	Mercury	5.20	5.0	104	90 - 110	CV	03/10/2025	12:18	LB134958
CCV79	Mercury	5.06	5.0	101	90 - 110	CV	03/10/2025	12:45	LB134958
CCV80	Mercury	5.43	5.0	109	90 - 110	CV	03/10/2025	13:10	LB134958

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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
ICV36	Mercury	3.85	4.0	96	90 - 110	CV	03/11/2025	08:34	LB134978

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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
CCV80	Mercury	5.13	5.0	103	90 - 110	CV	03/11/2025	08:41	LB134978
CCV81	Mercury	4.91	5.0	98	90 - 110	CV	03/11/2025	09:20	LB134978
CCV82	Mercury	5.13	5.0	103	90 - 110	CV	03/11/2025	09:51	LB134978
CCV83	Mercury	5.00	5.0	100	90 - 110	CV	03/11/2025	09:58	LB134978

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	2550	2500	102	90 - 110	P	03/12/2025	10:52	LB135011
	Antimony	1020	1000	102	90 - 110	P	03/12/2025	10:52	LB135011
	Arsenic	1050	1000	105	90 - 110	P	03/12/2025	10:52	LB135011
	Barium	537	520	103	90 - 110	P	03/12/2025	10:52	LB135011
	Beryllium	537	510	105	90 - 110	P	03/12/2025	10:52	LB135011
	Cadmium	506	510	99	90 - 110	P	03/12/2025	10:52	LB135011
	Calcium	10000	10000	100	90 - 110	P	03/12/2025	10:52	LB135011
	Chromium	541	520	104	90 - 110	P	03/12/2025	10:52	LB135011
	Cobalt	514	520	99	90 - 110	P	03/12/2025	10:52	LB135011
	Copper	532	510	104	90 - 110	P	03/12/2025	10:52	LB135011
	Iron	10400	10000	104	90 - 110	P	03/12/2025	10:52	LB135011
	Lead	1020	1000	102	90 - 110	P	03/12/2025	10:52	LB135011
	Magnesium	5900	6000	98	90 - 110	P	03/12/2025	10:52	LB135011
	Manganese	508	520	98	90 - 110	P	03/12/2025	10:52	LB135011
	Nickel	517	530	98	90 - 110	P	03/12/2025	10:52	LB135011
	Potassium	10200	9900	103	90 - 110	P	03/12/2025	10:52	LB135011
	Selenium	1050	1000	105	90 - 110	P	03/12/2025	10:52	LB135011
	Silver	262	250	105	90 - 110	P	03/12/2025	10:52	LB135011
	Sodium	10300	10000	103	90 - 110	P	03/12/2025	10:52	LB135011
	Thallium	1090	1000	109	90 - 110	P	03/12/2025	10:52	LB135011
	Vanadium	519	500	104	90 - 110	P	03/12/2025	10:52	LB135011
	Zinc	1050	1000	105	90 - 110	P	03/12/2025	10:52	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	110	100	110	80 - 120	P	03/12/2025	10:56	LB135011
	Antimony	50.7	50.0	101	80 - 120	P	03/12/2025	10:56	LB135011
	Arsenic	22.2	20.0	111	80 - 120	P	03/12/2025	10:56	LB135011
	Barium	89.2	100	89	80 - 120	P	03/12/2025	10:56	LB135011
	Beryllium	5.80	6.0	97	80 - 120	P	03/12/2025	10:56	LB135011
	Cadmium	5.83	6.0	97	80 - 120	P	03/12/2025	10:56	LB135011
	Calcium	1960	2000	98	80 - 120	P	03/12/2025	10:56	LB135011
	Chromium	10.6	10.0	106	80 - 120	P	03/12/2025	10:56	LB135011
	Cobalt	29.3	30.0	98	80 - 120	P	03/12/2025	10:56	LB135011
	Copper	22.9	20.0	114	80 - 120	P	03/12/2025	10:56	LB135011
	Iron	114	100	114	80 - 120	P	03/12/2025	10:56	LB135011
	Lead	11.7	12.0	97	80 - 120	P	03/12/2025	10:56	LB135011
	Magnesium	2060	2000	103	80 - 120	P	03/12/2025	10:56	LB135011
	Manganese	19.5	20.0	98	80 - 120	P	03/12/2025	10:56	LB135011
	Nickel	38.7	40.0	97	80 - 120	P	03/12/2025	10:56	LB135011
	Potassium	1930	2000	96	80 - 120	P	03/12/2025	10:56	LB135011
	Selenium	17.5	20.0	87	80 - 120	P	03/12/2025	10:56	LB135011
	Silver	11.0	10.0	110	80 - 120	P	03/12/2025	10:56	LB135011
	Sodium	2050	2000	102	80 - 120	P	03/12/2025	10:56	LB135011
	Thallium	41.6	40.0	104	80 - 120	P	03/12/2025	10:56	LB135011
	Vanadium	40.0	40.0	100	80 - 120	P	03/12/2025	10:56	LB135011
	Zinc	42.6	40.0	106	80 - 120	P	03/12/2025	10:56	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10000	10000	100	90 - 110	P	03/12/2025	11:29	LB135011
	Antimony	5040	5000	101	90 - 110	P	03/12/2025	11:29	LB135011
	Arsenic	5210	5000	104	90 - 110	P	03/12/2025	11:29	LB135011
	Barium	9300	10000	93	90 - 110	P	03/12/2025	11:29	LB135011
	Beryllium	244	250	98	90 - 110	P	03/12/2025	11:29	LB135011
	Cadmium	2470	2500	99	90 - 110	P	03/12/2025	11:29	LB135011
	Calcium	23800	25000	95	90 - 110	P	03/12/2025	11:29	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	11:29	LB135011
	Cobalt	2460	2500	98	90 - 110	P	03/12/2025	11:29	LB135011
	Copper	1260	1250	101	90 - 110	P	03/12/2025	11:29	LB135011
	Iron	4790	5000	96	90 - 110	P	03/12/2025	11:29	LB135011
	Lead	5060	5000	101	90 - 110	P	03/12/2025	11:29	LB135011
	Magnesium	23800	25000	95	90 - 110	P	03/12/2025	11:29	LB135011
	Manganese	2350	2500	94	90 - 110	P	03/12/2025	11:29	LB135011
	Nickel	2450	2500	98	90 - 110	P	03/12/2025	11:29	LB135011
	Potassium	24100	25000	96	90 - 110	P	03/12/2025	11:29	LB135011
	Selenium	5000	5000	100	90 - 110	P	03/12/2025	11:29	LB135011
	Silver	1260	1250	101	90 - 110	P	03/12/2025	11:29	LB135011
	Sodium	26200	25000	105	90 - 110	P	03/12/2025	11:29	LB135011
	Thallium	5020	5000	100	90 - 110	P	03/12/2025	11:29	LB135011
	Vanadium	2430	2500	97	90 - 110	P	03/12/2025	11:29	LB135011
	Zinc	2530	2500	101	90 - 110	P	03/12/2025	11:29	LB135011
CCV02	Aluminum	10100	10000	101	90 - 110	P	03/12/2025	12:20	LB135011
	Antimony	5230	5000	105	90 - 110	P	03/12/2025	12:20	LB135011
	Arsenic	5150	5000	103	90 - 110	P	03/12/2025	12:20	LB135011
	Barium	9180	10000	92	90 - 110	P	03/12/2025	12:20	LB135011
	Beryllium	245	250	98	90 - 110	P	03/12/2025	12:20	LB135011
	Cadmium	2480	2500	99	90 - 110	P	03/12/2025	12:20	LB135011
	Calcium	23800	25000	95	90 - 110	P	03/12/2025	12:20	LB135011
	Chromium	1070	1000	107	90 - 110	P	03/12/2025	12:20	LB135011
	Cobalt	2470	2500	99	90 - 110	P	03/12/2025	12:20	LB135011
	Copper	1280	1250	102	90 - 110	P	03/12/2025	12:20	LB135011
	Iron	4890	5000	98	90 - 110	P	03/12/2025	12:20	LB135011
	Lead	5010	5000	100	90 - 110	P	03/12/2025	12:20	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	23900	25000	96	90 - 110	P	03/12/2025	12:20	LB135011
	Manganese	2320	2500	93	90 - 110	P	03/12/2025	12:20	LB135011
	Nickel	2460	2500	98	90 - 110	P	03/12/2025	12:20	LB135011
	Potassium	24700	25000	99	90 - 110	P	03/12/2025	12:20	LB135011
	Selenium	5180	5000	104	90 - 110	P	03/12/2025	12:20	LB135011
	Silver	1280	1250	103	90 - 110	P	03/12/2025	12:20	LB135011
	Sodium	26900	25000	107	90 - 110	P	03/12/2025	12:20	LB135011
	Thallium	5230	5000	105	90 - 110	P	03/12/2025	12:20	LB135011
	Vanadium	2430	2500	97	90 - 110	P	03/12/2025	12:20	LB135011
	Zinc	2600	2500	104	90 - 110	P	03/12/2025	12:20	LB135011
CCV03	Aluminum	10200	10000	102	90 - 110	P	03/12/2025	13:10	LB135011
	Antimony	5190	5000	104	90 - 110	P	03/12/2025	13:10	LB135011
	Arsenic	5100	5000	102	90 - 110	P	03/12/2025	13:10	LB135011
	Barium	9270	10000	93	90 - 110	P	03/12/2025	13:10	LB135011
	Beryllium	255	250	102	90 - 110	P	03/12/2025	13:10	LB135011
	Cadmium	2480	2500	99	90 - 110	P	03/12/2025	13:10	LB135011
	Calcium	23800	25000	95	90 - 110	P	03/12/2025	13:10	LB135011
	Chromium	1060	1000	106	90 - 110	P	03/12/2025	13:10	LB135011
	Cobalt	2480	2500	99	90 - 110	P	03/12/2025	13:10	LB135011
	Copper	1280	1250	102	90 - 110	P	03/12/2025	13:10	LB135011
	Iron	4740	5000	95	90 - 110	P	03/12/2025	13:10	LB135011
	Lead	5000	5000	100	90 - 110	P	03/12/2025	13:10	LB135011
	Magnesium	24000	25000	96	90 - 110	P	03/12/2025	13:10	LB135011
	Manganese	2340	2500	94	90 - 110	P	03/12/2025	13:10	LB135011
	Nickel	2480	2500	99	90 - 110	P	03/12/2025	13:10	LB135011
	Potassium	23900	25000	96	90 - 110	P	03/12/2025	13:10	LB135011
	Selenium	5090	5000	102	90 - 110	P	03/12/2025	13:10	LB135011
	Silver	1290	1250	103	90 - 110	P	03/12/2025	13:10	LB135011
	Sodium	26200	25000	105	90 - 110	P	03/12/2025	13:10	LB135011
	Thallium	5210	5000	104	90 - 110	P	03/12/2025	13:10	LB135011
	Vanadium	2440	2500	98	90 - 110	P	03/12/2025	13:10	LB135011
	Zinc	2600	2500	104	90 - 110	P	03/12/2025	13:10	LB135011
CCV04	Aluminum	9980	10000	100	90 - 110	P	03/12/2025	14:24	LB135011
	Antimony	5180	5000	104	90 - 110	P	03/12/2025	14:24	LB135011

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	5330	5000	107	90 - 110	P	03/12/2025	14:24	LB135011
	Barium	9270	10000	93	90 - 110	P	03/12/2025	14:24	LB135011
	Beryllium	240	250	96	90 - 110	P	03/12/2025	14:24	LB135011
	Cadmium	2500	2500	100	90 - 110	P	03/12/2025	14:24	LB135011
	Calcium	23800	25000	95	90 - 110	P	03/12/2025	14:24	LB135011
	Chromium	1060	1000	106	90 - 110	P	03/12/2025	14:24	LB135011
	Cobalt	2490	2500	100	90 - 110	P	03/12/2025	14:24	LB135011
	Copper	1290	1250	103	90 - 110	P	03/12/2025	14:24	LB135011
	Iron	4970	5000	100	90 - 110	P	03/12/2025	14:24	LB135011
	Lead	5090	5000	102	90 - 110	P	03/12/2025	14:24	LB135011
	Magnesium	24000	25000	96	90 - 110	P	03/12/2025	14:24	LB135011
	Manganese	2310	2500	92	90 - 110	P	03/12/2025	14:24	LB135011
	Nickel	2490	2500	100	90 - 110	P	03/12/2025	14:24	LB135011
	Potassium	25200	25000	101	90 - 110	P	03/12/2025	14:24	LB135011
	Selenium	5140	5000	103	90 - 110	P	03/12/2025	14:24	LB135011
	Silver	1280	1250	103	90 - 110	P	03/12/2025	14:24	LB135011
	Sodium	26700	25000	107	90 - 110	P	03/12/2025	14:24	LB135011
	Thallium	5310	5000	106	90 - 110	P	03/12/2025	14:24	LB135011
	Vanadium	2430	2500	97	90 - 110	P	03/12/2025	14:24	LB135011
	Zinc	2590	2500	103	90 - 110	P	03/12/2025	14:24	LB135011
CCV05	Aluminum	9840	10000	98	90 - 110	P	03/12/2025	15:25	LB135011
	Antimony	5050	5000	101	90 - 110	P	03/12/2025	15:25	LB135011
	Arsenic	5210	5000	104	90 - 110	P	03/12/2025	15:25	LB135011
	Barium	9220	10000	92	90 - 110	P	03/12/2025	15:25	LB135011
	Beryllium	235	250	94	90 - 110	P	03/12/2025	15:25	LB135011
	Cadmium	2460	2500	98	90 - 110	P	03/12/2025	15:25	LB135011
	Calcium	23500	25000	94	90 - 110	P	03/12/2025	15:25	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	15:25	LB135011
	Cobalt	2450	2500	98	90 - 110	P	03/12/2025	15:25	LB135011
	Copper	1260	1250	101	90 - 110	P	03/12/2025	15:25	LB135011
	Iron	4840	5000	97	90 - 110	P	03/12/2025	15:25	LB135011
	Lead	5010	5000	100	90 - 110	P	03/12/2025	15:25	LB135011
	Magnesium	23900	25000	96	90 - 110	P	03/12/2025	15:25	LB135011
	Manganese	2270	2500	91	90 - 110	P	03/12/2025	15:25	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	2440	2500	98	90 - 110	P	03/12/2025	15:25	LB135011
	Potassium	24600	25000	98	90 - 110	P	03/12/2025	15:25	LB135011
	Selenium	5000	5000	100	90 - 110	P	03/12/2025	15:25	LB135011
	Silver	1250	1250	100	90 - 110	P	03/12/2025	15:25	LB135011
	Sodium	26000	25000	104	90 - 110	P	03/12/2025	15:25	LB135011
	Thallium	5180	5000	104	90 - 110	P	03/12/2025	15:25	LB135011
	Vanadium	2390	2500	96	90 - 110	P	03/12/2025	15:25	LB135011
	Zinc	2530	2500	101	90 - 110	P	03/12/2025	15:25	LB135011
CCV06	Aluminum	9800	10000	98	90 - 110	P	03/12/2025	16:25	LB135011
	Antimony	5040	5000	101	90 - 110	P	03/12/2025	16:25	LB135011
	Arsenic	5190	5000	104	90 - 110	P	03/12/2025	16:25	LB135011
	Barium	9100	10000	91	90 - 110	P	03/12/2025	16:25	LB135011
	Beryllium	239	250	96	90 - 110	P	03/12/2025	16:25	LB135011
	Cadmium	2450	2500	98	90 - 110	P	03/12/2025	16:25	LB135011
	Calcium	23200	25000	93	90 - 110	P	03/12/2025	16:25	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	16:25	LB135011
	Cobalt	2430	2500	97	90 - 110	P	03/12/2025	16:25	LB135011
	Copper	1260	1250	100	90 - 110	P	03/12/2025	16:25	LB135011
	Iron	4770	5000	96	90 - 110	P	03/12/2025	16:25	LB135011
	Lead	4990	5000	100	90 - 110	P	03/12/2025	16:25	LB135011
	Magnesium	23700	25000	95	90 - 110	P	03/12/2025	16:25	LB135011
	Manganese	2360	2500	94	90 - 110	P	03/12/2025	16:25	LB135011
	Nickel	2430	2500	97	90 - 110	P	03/12/2025	16:25	LB135011
	Potassium	24100	25000	96	90 - 110	P	03/12/2025	16:25	LB135011
	Selenium	4960	5000	99	90 - 110	P	03/12/2025	16:25	LB135011
	Silver	1260	1250	100	90 - 110	P	03/12/2025	16:25	LB135011
	Sodium	25700	25000	103	90 - 110	P	03/12/2025	16:25	LB135011
	Thallium	5070	5000	101	90 - 110	P	03/12/2025	16:25	LB135011
	Vanadium	2380	2500	95	90 - 110	P	03/12/2025	16:25	LB135011
	Zinc	2530	2500	101	90 - 110	P	03/12/2025	16:25	LB135011
CCV07	Aluminum	9920	10000	99	90 - 110	P	03/12/2025	17:25	LB135011
	Antimony	5200	5000	104	90 - 110	P	03/12/2025	17:25	LB135011
	Arsenic	5300	5000	106	90 - 110	P	03/12/2025	17:25	LB135011
	Barium	9240	10000	92	90 - 110	P	03/12/2025	17:25	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	17:25	LB135011
	Cadmium	2460	2500	98	90 - 110	P	03/12/2025	17:25	LB135011
	Calcium	23100	25000	92	90 - 110	P	03/12/2025	17:25	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	17:25	LB135011
	Cobalt	2460	2500	98	90 - 110	P	03/12/2025	17:25	LB135011
	Copper	1280	1250	102	90 - 110	P	03/12/2025	17:25	LB135011
	Iron	4870	5000	97	90 - 110	P	03/12/2025	17:25	LB135011
	Lead	5030	5000	101	90 - 110	P	03/12/2025	17:25	LB135011
	Magnesium	23400	25000	93	90 - 110	P	03/12/2025	17:25	LB135011
	Manganese	2250	2500	90	90 - 110	P	03/12/2025	17:25	LB135011
	Nickel	2450	2500	98	90 - 110	P	03/12/2025	17:25	LB135011
	Potassium	25100	25000	100	90 - 110	P	03/12/2025	17:25	LB135011
	Selenium	5120	5000	102	90 - 110	P	03/12/2025	17:25	LB135011
	Silver	1270	1250	102	90 - 110	P	03/12/2025	17:25	LB135011
	Sodium	26900	25000	108	90 - 110	P	03/12/2025	17:25	LB135011
	Thallium	5090	5000	102	90 - 110	P	03/12/2025	17:25	LB135011
	Vanadium	2390	2500	96	90 - 110	P	03/12/2025	17:25	LB135011
	Zinc	2560	2500	102	90 - 110	P	03/12/2025	17:25	LB135011
CCV08	Aluminum	9930	10000	99	90 - 110	P	03/12/2025	18:23	LB135011
	Antimony	5080	5000	102	90 - 110	P	03/12/2025	18:23	LB135011
	Arsenic	5240	5000	105	90 - 110	P	03/12/2025	18:23	LB135011
	Barium	9130	10000	91	90 - 110	P	03/12/2025	18:23	LB135011
	Beryllium	246	250	98	90 - 110	P	03/12/2025	18:23	LB135011
	Cadmium	2490	2500	99	90 - 110	P	03/12/2025	18:23	LB135011
	Calcium	23600	25000	94	90 - 110	P	03/12/2025	18:23	LB135011
	Chromium	1070	1000	107	90 - 110	P	03/12/2025	18:23	LB135011
	Cobalt	2470	2500	99	90 - 110	P	03/12/2025	18:23	LB135011
	Copper	1270	1250	102	90 - 110	P	03/12/2025	18:23	LB135011
	Iron	4810	5000	96	90 - 110	P	03/12/2025	18:23	LB135011
	Lead	5060	5000	101	90 - 110	P	03/12/2025	18:23	LB135011
	Magnesium	24300	25000	97	90 - 110	P	03/12/2025	18:23	LB135011
	Manganese	2270	2500	91	90 - 110	P	03/12/2025	18:23	LB135011
	Nickel	2470	2500	99	90 - 110	P	03/12/2025	18:23	LB135011
	Potassium	24200	25000	97	90 - 110	P	03/12/2025	18:23	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	5010	5000	100	90 - 110	P	03/12/2025	18:23	LB135011
	Silver	1280	1250	102	90 - 110	P	03/12/2025	18:23	LB135011
	Sodium	25600	25000	102	90 - 110	P	03/12/2025	18:23	LB135011
	Thallium	5150	5000	103	90 - 110	P	03/12/2025	18:23	LB135011
	Vanadium	2420	2500	97	90 - 110	P	03/12/2025	18:23	LB135011
	Zinc	2580	2500	103	90 - 110	P	03/12/2025	18:23	LB135011
CCV09	Aluminum	9860	10000	99	90 - 110	P	03/12/2025	18:49	LB135011
	Antimony	5130	5000	103	90 - 110	P	03/12/2025	18:49	LB135011
	Arsenic	5290	5000	106	90 - 110	P	03/12/2025	18:49	LB135011
	Barium	9220	10000	92	90 - 110	P	03/12/2025	18:49	LB135011
	Beryllium	236	250	94	90 - 110	P	03/12/2025	18:49	LB135011
	Cadmium	2500	2500	100	90 - 110	P	03/12/2025	18:49	LB135011
	Calcium	23600	25000	95	90 - 110	P	03/12/2025	18:49	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	18:49	LB135011
	Cobalt	2480	2500	99	90 - 110	P	03/12/2025	18:49	LB135011
	Copper	1280	1250	102	90 - 110	P	03/12/2025	18:49	LB135011
	Iron	4960	5000	99	90 - 110	P	03/12/2025	18:49	LB135011
	Lead	5060	5000	101	90 - 110	P	03/12/2025	18:49	LB135011
	Magnesium	24100	25000	96	90 - 110	P	03/12/2025	18:49	LB135011
	Manganese	2270	2500	91	90 - 110	P	03/12/2025	18:49	LB135011
	Nickel	2480	2500	99	90 - 110	P	03/12/2025	18:49	LB135011
	Potassium	25400	25000	102	90 - 110	P	03/12/2025	18:49	LB135011
	Selenium	5060	5000	101	90 - 110	P	03/12/2025	18:49	LB135011
	Silver	1270	1250	102	90 - 110	P	03/12/2025	18:49	LB135011
	Sodium	26300	25000	105	90 - 110	P	03/12/2025	18:49	LB135011
	Thallium	5100	5000	102	90 - 110	P	03/12/2025	18:49	LB135011
	Vanadium	2420	2500	97	90 - 110	P	03/12/2025	18:49	LB135011
	Zinc	2560	2500	102	90 - 110	P	03/12/2025	18:49	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/13/2025	12:07	LB135035
	Antimony	1020	1000	102	90 - 110	P	03/13/2025	12:07	LB135035
	Arsenic	1020	1000	102	90 - 110	P	03/13/2025	12:07	LB135035
	Barium	533	520	102	90 - 110	P	03/13/2025	12:07	LB135035
	Beryllium	536	510	105	90 - 110	P	03/13/2025	12:07	LB135035
	Cadmium	503	510	99	90 - 110	P	03/13/2025	12:07	LB135035
	Calcium	9870	10000	99	90 - 110	P	03/13/2025	12:07	LB135035
	Chromium	525	520	101	90 - 110	P	03/13/2025	12:07	LB135035
	Cobalt	510	520	98	90 - 110	P	03/13/2025	12:07	LB135035
	Copper	529	510	104	90 - 110	P	03/13/2025	12:07	LB135035
	Iron	9860	10000	99	90 - 110	P	03/13/2025	12:07	LB135035
	Lead	1000	1000	100	90 - 110	P	03/13/2025	12:07	LB135035
	Magnesium	6270	6000	105	90 - 110	P	03/13/2025	12:07	LB135035
	Manganese	542	520	104	90 - 110	P	03/13/2025	12:07	LB135035
	Nickel	545	530	103	90 - 110	P	03/13/2025	12:07	LB135035
	Potassium	10100	9900	102	90 - 110	P	03/13/2025	12:07	LB135035
	Selenium	1040	1000	104	90 - 110	P	03/13/2025	12:07	LB135035
	Silver	252	250	101	90 - 110	P	03/13/2025	12:07	LB135035
	Sodium	10200	10000	102	90 - 110	P	03/13/2025	12:07	LB135035
	Thallium	1050	1000	105	90 - 110	P	03/13/2025	12:07	LB135035
	Vanadium	518	500	104	90 - 110	P	03/13/2025	12:07	LB135035
	Zinc	1020	1000	102	90 - 110	P	03/13/2025	12:07	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	98.6	100	99	80 - 120	P	03/13/2025	12:13	LB135035
	Antimony	54.3	50.0	109	80 - 120	P	03/13/2025	12:13	LB135035
	Arsenic	17.3	20.0	86	80 - 120	P	03/13/2025	12:13	LB135035
	Barium	92.2	100	92	80 - 120	P	03/13/2025	12:13	LB135035
	Beryllium	6.15	6.0	102	80 - 120	P	03/13/2025	12:13	LB135035
	Cadmium	5.95	6.0	99	80 - 120	P	03/13/2025	12:13	LB135035
	Calcium	1970	2000	99	80 - 120	P	03/13/2025	12:13	LB135035
	Chromium	10.1	10.0	101	80 - 120	P	03/13/2025	12:13	LB135035
	Cobalt	29.7	30.0	99	80 - 120	P	03/13/2025	12:13	LB135035
	Copper	22.7	20.0	114	80 - 120	P	03/13/2025	12:13	LB135035
	Iron	101	100	101	80 - 120	P	03/13/2025	12:13	LB135035
	Lead	12.6	12.0	105	80 - 120	P	03/13/2025	12:13	LB135035
	Magnesium	2100	2000	105	80 - 120	P	03/13/2025	12:13	LB135035
	Manganese	19.6	20.0	98	80 - 120	P	03/13/2025	12:13	LB135035
	Nickel	39.7	40.0	99	80 - 120	P	03/13/2025	12:13	LB135035
	Potassium	1850	2000	92	80 - 120	P	03/13/2025	12:13	LB135035
	Selenium	19.2	20.0	96	80 - 120	P	03/13/2025	12:13	LB135035
	Silver	10.6	10.0	106	80 - 120	P	03/13/2025	12:13	LB135035
	Sodium	1740	2000	87	80 - 120	P	03/13/2025	12:13	LB135035
	Thallium	42.1	40.0	105	80 - 120	P	03/13/2025	12:13	LB135035
	Vanadium	39.3	40.0	98	80 - 120	P	03/13/2025	12:13	LB135035
	Zinc	41.3	40.0	103	80 - 120	P	03/13/2025	12:13	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	10300	10000	103	90 - 110	P	03/13/2025	12:53	LB135035
	Antimony	5060	5000	101	90 - 110	P	03/13/2025	12:53	LB135035
	Arsenic	5160	5000	103	90 - 110	P	03/13/2025	12:53	LB135035
	Barium	9860	10000	99	90 - 110	P	03/13/2025	12:53	LB135035
	Beryllium	274	250	110	90 - 110	P	03/13/2025	12:53	LB135035
	Cadmium	2570	2500	103	90 - 110	P	03/13/2025	12:53	LB135035
	Calcium	25500	25000	102	90 - 110	P	03/13/2025	12:53	LB135035
	Chromium	1050	1000	105	90 - 110	P	03/13/2025	12:53	LB135035
	Cobalt	2560	2500	102	90 - 110	P	03/13/2025	12:53	LB135035
	Copper	1280	1250	103	90 - 110	P	03/13/2025	12:53	LB135035
	Iron	4890	5000	98	90 - 110	P	03/13/2025	12:53	LB135035
	Lead	5190	5000	104	90 - 110	P	03/13/2025	12:53	LB135035
	Magnesium	25700	25000	103	90 - 110	P	03/13/2025	12:53	LB135035
	Manganese	2530	2500	101	90 - 110	P	03/13/2025	12:53	LB135035
	Nickel	2560	2500	102	90 - 110	P	03/13/2025	12:53	LB135035
	Potassium	23900	25000	96	90 - 110	P	03/13/2025	12:53	LB135035
	Selenium	5070	5000	101	90 - 110	P	03/13/2025	12:53	LB135035
	Silver	1300	1250	104	90 - 110	P	03/13/2025	12:53	LB135035
	Sodium	24000	25000	96	90 - 110	P	03/13/2025	12:53	LB135035
	Thallium	5100	5000	102	90 - 110	P	03/13/2025	12:53	LB135035
	Vanadium	2550	2500	102	90 - 110	P	03/13/2025	12:53	LB135035
	Zinc	2600	2500	104	90 - 110	P	03/13/2025	12:53	LB135035
CCV02	Aluminum	10400	10000	104	90 - 110	P	03/13/2025	13:49	LB135035
	Antimony	5180	5000	104	90 - 110	P	03/13/2025	13:49	LB135035
	Arsenic	5290	5000	106	90 - 110	P	03/13/2025	13:49	LB135035
	Barium	10100	10000	101	90 - 110	P	03/13/2025	13:49	LB135035
	Beryllium	268	250	107	90 - 110	P	03/13/2025	13:49	LB135035
	Cadmium	2630	2500	105	90 - 110	P	03/13/2025	13:49	LB135035
	Calcium	26000	25000	104	90 - 110	P	03/13/2025	13:49	LB135035
	Chromium	1100	1000	110	90 - 110	P	03/13/2025	13:49	LB135035
	Cobalt	2610	2500	104	90 - 110	P	03/13/2025	13:49	LB135035
	Copper	1310	1250	105	90 - 110	P	03/13/2025	13:49	LB135035
	Iron	5130	5000	103	90 - 110	P	03/13/2025	13:49	LB135035
	Lead	5330	5000	107	90 - 110	P	03/13/2025	13:49	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	26100	25000	104	90 - 110	P	03/13/2025	13:49	LB135035
	Manganese	2580	2500	103	90 - 110	P	03/13/2025	13:49	LB135035
	Nickel	2600	2500	104	90 - 110	P	03/13/2025	13:49	LB135035
	Potassium	25100	25000	100	90 - 110	P	03/13/2025	13:49	LB135035
	Selenium	5180	5000	104	90 - 110	P	03/13/2025	13:49	LB135035
	Silver	1310	1250	105	90 - 110	P	03/13/2025	13:49	LB135035
	Sodium	25600	25000	102	90 - 110	P	03/13/2025	13:49	LB135035
	Thallium	5110	5000	102	90 - 110	P	03/13/2025	13:49	LB135035
	Vanadium	2600	2500	104	90 - 110	P	03/13/2025	13:49	LB135035
	Zinc	2620	2500	105	90 - 110	P	03/13/2025	13:49	LB135035
CCV03	Aluminum	10100	10000	101	90 - 110	P	03/13/2025	14:40	LB135035
	Antimony	5040	5000	101	90 - 110	P	03/13/2025	14:40	LB135035
	Arsenic	5130	5000	102	90 - 110	P	03/13/2025	14:40	LB135035
	Barium	9830	10000	98	90 - 110	P	03/13/2025	14:40	LB135035
	Beryllium	261	250	104	90 - 110	P	03/13/2025	14:40	LB135035
	Cadmium	2540	2500	102	90 - 110	P	03/13/2025	14:40	LB135035
	Calcium	25100	25000	100	90 - 110	P	03/13/2025	14:40	LB135035
	Chromium	1050	1000	106	90 - 110	P	03/13/2025	14:40	LB135035
	Cobalt	2520	2500	101	90 - 110	P	03/13/2025	14:40	LB135035
	Copper	1270	1250	102	90 - 110	P	03/13/2025	14:40	LB135035
	Iron	4990	5000	100	90 - 110	P	03/13/2025	14:40	LB135035
	Lead	5150	5000	103	90 - 110	P	03/13/2025	14:40	LB135035
	Magnesium	25100	25000	100	90 - 110	P	03/13/2025	14:40	LB135035
	Manganese	2490	2500	100	90 - 110	P	03/13/2025	14:40	LB135035
	Nickel	2530	2500	101	90 - 110	P	03/13/2025	14:40	LB135035
	Potassium	24500	25000	98	90 - 110	P	03/13/2025	14:40	LB135035
	Selenium	5060	5000	101	90 - 110	P	03/13/2025	14:40	LB135035
	Silver	1280	1250	103	90 - 110	P	03/13/2025	14:40	LB135035
	Sodium	24700	25000	99	90 - 110	P	03/13/2025	14:40	LB135035
	Thallium	4970	5000	99	90 - 110	P	03/13/2025	14:40	LB135035
	Vanadium	2520	2500	101	90 - 110	P	03/13/2025	14:40	LB135035
	Zinc	2560	2500	102	90 - 110	P	03/13/2025	14:40	LB135035
CCV04	Aluminum	9840	10000	98	90 - 110	P	03/13/2025	15:38	LB135035
	Antimony	4840	5000	97	90 - 110	P	03/13/2025	15:38	LB135035

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	4950	5000	99	90 - 110	P	03/13/2025	15:38	LB135035
	Barium	9580	10000	96	90 - 110	P	03/13/2025	15:38	LB135035
	Beryllium	261	250	104	90 - 110	P	03/13/2025	15:38	LB135035
	Cadmium	2510	2500	100	90 - 110	P	03/13/2025	15:38	LB135035
	Calcium	24900	25000	99	90 - 110	P	03/13/2025	15:38	LB135035
	Chromium	1030	1000	103	90 - 110	P	03/13/2025	15:38	LB135035
	Cobalt	2480	2500	99	90 - 110	P	03/13/2025	15:38	LB135035
	Copper	1240	1250	99	90 - 110	P	03/13/2025	15:38	LB135035
	Iron	4780	5000	96	90 - 110	P	03/13/2025	15:38	LB135035
	Lead	5050	5000	101	90 - 110	P	03/13/2025	15:38	LB135035
	Magnesium	25300	25000	101	90 - 110	P	03/13/2025	15:38	LB135035
	Manganese	2440	2500	98	90 - 110	P	03/13/2025	15:38	LB135035
	Nickel	2480	2500	99	90 - 110	P	03/13/2025	15:38	LB135035
	Potassium	23200	25000	93	90 - 110	P	03/13/2025	15:38	LB135035
	Selenium	4830	5000	97	90 - 110	P	03/13/2025	15:38	LB135035
	Silver	1240	1250	99	90 - 110	P	03/13/2025	15:38	LB135035
	Sodium	22900	25000	92	90 - 110	P	03/13/2025	15:38	LB135035
	Thallium	4900	5000	98	90 - 110	P	03/13/2025	15:38	LB135035
	Vanadium	2470	2500	99	90 - 110	P	03/13/2025	15:38	LB135035
	Zinc	2460	2500	98	90 - 110	P	03/13/2025	15:38	LB135035
CCV05	Aluminum	10100	10000	101	90 - 110	P	03/13/2025	16:28	LB135035
	Antimony	5130	5000	102	90 - 110	P	03/13/2025	16:28	LB135035
	Arsenic	5250	5000	105	90 - 110	P	03/13/2025	16:28	LB135035
	Barium	9880	10000	99	90 - 110	P	03/13/2025	16:28	LB135035
	Beryllium	264	250	106	90 - 110	P	03/13/2025	16:28	LB135035
	Cadmium	2630	2500	105	90 - 110	P	03/13/2025	16:28	LB135035
	Calcium	25600	25000	102	90 - 110	P	03/13/2025	16:28	LB135035
	Chromium	1070	1000	107	90 - 110	P	03/13/2025	16:28	LB135035
	Cobalt	2610	2500	104	90 - 110	P	03/13/2025	16:28	LB135035
	Copper	1300	1250	104	90 - 110	P	03/13/2025	16:28	LB135035
	Iron	5120	5000	102	90 - 110	P	03/13/2025	16:28	LB135035
	Lead	5300	5000	106	90 - 110	P	03/13/2025	16:28	LB135035
	Magnesium	25900	25000	104	90 - 110	P	03/13/2025	16:28	LB135035
	Manganese	2530	2500	101	90 - 110	P	03/13/2025	16:28	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	2620	2500	105	90 - 110	P	03/13/2025	16:28	LB135035
	Potassium	25000	25000	100	90 - 110	P	03/13/2025	16:28	LB135035
	Selenium	5150	5000	103	90 - 110	P	03/13/2025	16:28	LB135035
	Silver	1300	1250	104	90 - 110	P	03/13/2025	16:28	LB135035
	Sodium	24700	25000	99	90 - 110	P	03/13/2025	16:28	LB135035
	Thallium	5190	5000	104	90 - 110	P	03/13/2025	16:28	LB135035
	Vanadium	2550	2500	102	90 - 110	P	03/13/2025	16:28	LB135035
	Zinc	2580	2500	103	90 - 110	P	03/13/2025	16:28	LB135035
CCV06	Aluminum	10000	10000	100	90 - 110	P	03/13/2025	17:21	LB135035
	Antimony	4980	5000	100	90 - 110	P	03/13/2025	17:21	LB135035
	Arsenic	5070	5000	101	90 - 110	P	03/13/2025	17:21	LB135035
	Barium	9980	10000	100	90 - 110	P	03/13/2025	17:21	LB135035
	Beryllium	264	250	106	90 - 110	P	03/13/2025	17:21	LB135035
	Cadmium	2570	2500	103	90 - 110	P	03/13/2025	17:21	LB135035
	Calcium	25700	25000	103	90 - 110	P	03/13/2025	17:21	LB135035
	Chromium	1060	1000	106	90 - 110	P	03/13/2025	17:21	LB135035
	Cobalt	2550	2500	102	90 - 110	P	03/13/2025	17:21	LB135035
	Copper	1270	1250	102	90 - 110	P	03/13/2025	17:21	LB135035
	Iron	5040	5000	101	90 - 110	P	03/13/2025	17:21	LB135035
	Lead	5180	5000	104	90 - 110	P	03/13/2025	17:21	LB135035
	Magnesium	26000	25000	104	90 - 110	P	03/13/2025	17:21	LB135035
	Manganese	2510	2500	100	90 - 110	P	03/13/2025	17:21	LB135035
	Nickel	2550	2500	102	90 - 110	P	03/13/2025	17:21	LB135035
	Potassium	24800	25000	99	90 - 110	P	03/13/2025	17:21	LB135035
	Selenium	4970	5000	100	90 - 110	P	03/13/2025	17:21	LB135035
	Silver	1290	1250	103	90 - 110	P	03/13/2025	17:21	LB135035
	Sodium	24100	25000	96	90 - 110	P	03/13/2025	17:21	LB135035
	Thallium	5070	5000	102	90 - 110	P	03/13/2025	17:21	LB135035
	Vanadium	2540	2500	102	90 - 110	P	03/13/2025	17:21	LB135035
	Zinc	2550	2500	102	90 - 110	P	03/13/2025	17:21	LB135035
CCV07	Aluminum	10200	10000	102	90 - 110	P	03/13/2025	18:12	LB135035
	Antimony	5160	5000	103	90 - 110	P	03/13/2025	18:12	LB135035
	Arsenic	5250	5000	105	90 - 110	P	03/13/2025	18:12	LB135035
	Barium	9960	10000	100	90 - 110	P	03/13/2025	18:12	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	267	250	107	90 - 110	P	03/13/2025	18:12	LB135035
	Cadmium	2640	2500	106	90 - 110	P	03/13/2025	18:12	LB135035
	Calcium	25800	25000	103	90 - 110	P	03/13/2025	18:12	LB135035
	Chromium	1090	1000	109	90 - 110	P	03/13/2025	18:12	LB135035
	Cobalt	2620	2500	105	90 - 110	P	03/13/2025	18:12	LB135035
	Copper	1310	1250	105	90 - 110	P	03/13/2025	18:12	LB135035
	Iron	5150	5000	103	90 - 110	P	03/13/2025	18:12	LB135035
	Lead	5330	5000	107	90 - 110	P	03/13/2025	18:12	LB135035
	Magnesium	26100	25000	104	90 - 110	P	03/13/2025	18:12	LB135035
	Manganese	2540	2500	102	90 - 110	P	03/13/2025	18:12	LB135035
	Nickel	2620	2500	105	90 - 110	P	03/13/2025	18:12	LB135035
	Potassium	25000	25000	100	90 - 110	P	03/13/2025	18:12	LB135035
	Selenium	5180	5000	104	90 - 110	P	03/13/2025	18:12	LB135035
	Silver	1310	1250	105	90 - 110	P	03/13/2025	18:12	LB135035
	Sodium	24700	25000	99	90 - 110	P	03/13/2025	18:12	LB135035
	Thallium	5220	5000	104	90 - 110	P	03/13/2025	18:12	LB135035
	Vanadium	2570	2500	103	90 - 110	P	03/13/2025	18:12	LB135035
	Zinc	2600	2500	104	90 - 110	P	03/13/2025	18:12	LB135035
CCV08	Aluminum	9620	10000	96	90 - 110	P	03/13/2025	18:53	LB135035
	Antimony	4850	5000	97	90 - 110	P	03/13/2025	18:53	LB135035
	Arsenic	4950	5000	99	90 - 110	P	03/13/2025	18:53	LB135035
	Barium	9390	10000	94	90 - 110	P	03/13/2025	18:53	LB135035
	Beryllium	260	250	104	90 - 110	P	03/13/2025	18:53	LB135035
	Cadmium	2510	2500	100	90 - 110	P	03/13/2025	18:53	LB135035
	Calcium	24700	25000	99	90 - 110	P	03/13/2025	18:53	LB135035
	Chromium	1040	1000	104	90 - 110	P	03/13/2025	18:53	LB135035
	Cobalt	2480	2500	99	90 - 110	P	03/13/2025	18:53	LB135035
	Copper	1240	1250	99	90 - 110	P	03/13/2025	18:53	LB135035
	Iron	4880	5000	98	90 - 110	P	03/13/2025	18:53	LB135035
	Lead	5060	5000	101	90 - 110	P	03/13/2025	18:53	LB135035
	Magnesium	25200	25000	101	90 - 110	P	03/13/2025	18:53	LB135035
	Manganese	2440	2500	98	90 - 110	P	03/13/2025	18:53	LB135035
	Nickel	2480	2500	99	90 - 110	P	03/13/2025	18:53	LB135035
	Potassium	23400	25000	94	90 - 110	P	03/13/2025	18:53	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	4840	5000	97	90 - 110	P	03/13/2025	18:53	LB135035
	Silver	1250	1250	100	90 - 110	P	03/13/2025	18:53	LB135035
	Sodium	23400	25000	94	90 - 110	P	03/13/2025	18:53	LB135035
	Thallium	4920	5000	98	90 - 110	P	03/13/2025	18:53	LB135035
	Vanadium	2460	2500	98	90 - 110	P	03/13/2025	18:53	LB135035
	Zinc	2330	2500	93	90 - 110	P	03/13/2025	18:53	LB135035
CCV09	Aluminum	9650	10000	96	90 - 110	P	03/13/2025	19:12	LB135035
	Antimony	5060	5000	101	90 - 110	P	03/13/2025	19:12	LB135035
	Arsenic	5280	5000	106	90 - 110	P	03/13/2025	19:12	LB135035
	Barium	9620	10000	96	90 - 110	P	03/13/2025	19:12	LB135035
	Beryllium	258	250	103	90 - 110	P	03/13/2025	19:12	LB135035
	Cadmium	2550	2500	102	90 - 110	P	03/13/2025	19:12	LB135035
	Calcium	24600	25000	98	90 - 110	P	03/13/2025	19:12	LB135035
	Chromium	1070	1000	107	90 - 110	P	03/13/2025	19:12	LB135035
	Cobalt	2550	2500	102	90 - 110	P	03/13/2025	19:12	LB135035
	Copper	1290	1250	103	90 - 110	P	03/13/2025	19:12	LB135035
	Iron	5230	5000	105	90 - 110	P	03/13/2025	19:12	LB135035
	Lead	5120	5000	102	90 - 110	P	03/13/2025	19:12	LB135035
	Magnesium	24800	25000	99	90 - 110	P	03/13/2025	19:12	LB135035
	Manganese	2450	2500	98	90 - 110	P	03/13/2025	19:12	LB135035
	Nickel	2550	2500	102	90 - 110	P	03/13/2025	19:12	LB135035
	Potassium	24400	25000	98	90 - 110	P	03/13/2025	19:12	LB135035
	Selenium	5440	5000	109	90 - 110	P	03/13/2025	19:12	LB135035
	Silver	1290	1250	104	90 - 110	P	03/13/2025	19:12	LB135035
	Sodium	23500	25000	94	90 - 110	P	03/13/2025	19:12	LB135035
	Thallium	5020	5000	100	90 - 110	P	03/13/2025	19:12	LB135035
	Vanadium	2460	2500	98	90 - 110	P	03/13/2025	19:12	LB135035
	Zinc	2490	2500	100	90 - 110	P	03/13/2025	19:12	LB135035

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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/10/2025	10:41	LB134958
CRA	Mercury	0.20	0.2	102	40 - 160	CV	03/11/2025	08:51	LB134978
CRI01	Aluminum	107	100	106	40 - 160	P	03/12/2025	11:05	LB135011
	Antimony	51.9	50.0	104	40 - 160	P	03/12/2025	11:05	LB135011
	Arsenic	20.1	20.0	100	40 - 160	P	03/12/2025	11:05	LB135011
	Barium	88.8	100	89	40 - 160	P	03/12/2025	11:05	LB135011
	Beryllium	5.53	6.0	92	40 - 160	P	03/12/2025	11:05	LB135011
	Cadmium	5.85	6.0	98	40 - 160	P	03/12/2025	11:05	LB135011
	Calcium	1940	2000	97	40 - 160	P	03/12/2025	11:05	LB135011
	Chromium	10.3	10.0	103	40 - 160	P	03/12/2025	11:05	LB135011
	Cobalt	29.3	30.0	98	40 - 160	P	03/12/2025	11:05	LB135011
	Copper	22.6	20.0	113	40 - 160	P	03/12/2025	11:05	LB135011
	Iron	98.7	100	99	40 - 160	P	03/12/2025	11:05	LB135011
	Lead	10.9	12.0	91	40 - 160	P	03/12/2025	11:05	LB135011
	Magnesium	2030	2000	102	40 - 160	P	03/12/2025	11:05	LB135011
	Manganese	19.2	20.0	96	40 - 160	P	03/12/2025	11:05	LB135011
	Nickel	38.9	40.0	97	40 - 160	P	03/12/2025	11:05	LB135011
	Potassium	1970	2000	98	40 - 160	P	03/12/2025	11:05	LB135011
	Selenium	18.3	20.0	92	40 - 160	P	03/12/2025	11:05	LB135011
	Silver	11.1	10.0	111	40 - 160	P	03/12/2025	11:05	LB135011
	Sodium	2100	2000	105	40 - 160	P	03/12/2025	11:05	LB135011
	Thallium	42.1	40.0	105	40 - 160	P	03/12/2025	11:05	LB135011
	Vanadium	39.4	40.0	98	40 - 160	P	03/12/2025	11:05	LB135011
	Zinc	42.3	40.0	106	40 - 160	P	03/12/2025	11:05	LB135011
CRI01	Aluminum	99.2	100	99	40 - 160	P	03/13/2025	12:21	LB135035
	Antimony	52.9	50.0	106	40 - 160	P	03/13/2025	12:21	LB135035
	Arsenic	21.2	20.0	106	40 - 160	P	03/13/2025	12:21	LB135035
	Barium	94.0	100	94	40 - 160	P	03/13/2025	12:21	LB135035
	Beryllium	6.07	6.0	101	40 - 160	P	03/13/2025	12:21	LB135035
	Cadmium	5.90	6.0	98	40 - 160	P	03/13/2025	12:21	LB135035
	Calcium	2020	2000	101	40 - 160	P	03/13/2025	12:21	LB135035
	Chromium	10.4	10.0	104	40 - 160	P	03/13/2025	12:21	LB135035
	Cobalt	30.2	30.0	101	40 - 160	P	03/13/2025	12:21	LB135035
	Copper	23.1	20.0	116	40 - 160	P	03/13/2025	12:21	LB135035
	Iron	110	100	110	40 - 160	P	03/13/2025	12:21	LB135035

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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	Lead	11.7	12.0	98	40 - 160	P	03/13/2025	12:21	LB135035
	Magnesium	2140	2000	107	40 - 160	P	03/13/2025	12:21	LB135035
	Manganese	20.6	20.0	103	40 - 160	P	03/13/2025	12:21	LB135035
	Nickel	39.8	40.0	100	40 - 160	P	03/13/2025	12:21	LB135035
	Potassium	1920	2000	96	40 - 160	P	03/13/2025	12:21	LB135035
	Selenium	21.3	20.0	107	40 - 160	P	03/13/2025	12:21	LB135035
	Silver	10.6	10.0	106	40 - 160	P	03/13/2025	12:21	LB135035
	Sodium	1830	2000	91	40 - 160	P	03/13/2025	12:21	LB135035
	Thallium	41.6	40.0	104	40 - 160	P	03/13/2025	12:21	LB135035
	Vanadium	41.0	40.0	102	40 - 160	P	03/13/2025	12:21	LB135035
	Zinc	42.5	40.0	106	40 - 160	P	03/13/2025	12:21	LB135035

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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	249000	255000	98	216000	294000	03/12/2025	11:09	LB135011
	Antimony	-5.28			-50	50	03/12/2025	11:09	LB135011
	Arsenic	5.78			-20	20	03/12/2025	11:09	LB135011
	Barium	1.43	6.0	24	-94	106	03/12/2025	11:09	LB135011
	Beryllium	1.22			-6	6	03/12/2025	11:09	LB135011
	Cadmium	-3.50	1.0	350	-5	7	03/12/2025	11:09	LB135011
	Calcium	232000	245000	95	208000	282000	03/12/2025	11:09	LB135011
	Chromium	60.0	52.0	115	42	62	03/12/2025	11:09	LB135011
	Cobalt	1.79			-30	30	03/12/2025	11:09	LB135011
	Copper	7.26	2.0	363	-18	22	03/12/2025	11:09	LB135011
	Iron	104000	101000	103	85600	116500	03/12/2025	11:09	LB135011
	Lead	5.99			-12	12	03/12/2025	11:09	LB135011
	Magnesium	249000	255000	98	216000	294000	03/12/2025	11:09	LB135011
	Manganese	2.80	7.0	40	-13	27	03/12/2025	11:09	LB135011
	Nickel	1.62	2.0	81	-38	42	03/12/2025	11:09	LB135011
	Potassium	-8.24			0	0	03/12/2025	11:09	LB135011
	Selenium	-15.8			-20	20	03/12/2025	11:09	LB135011
	Silver	0.57			-10	10	03/12/2025	11:09	LB135011
	Sodium	41.4			0	0	03/12/2025	11:09	LB135011
	Thallium	7.56			-40	40	03/12/2025	11:09	LB135011
	Vanadium	4.05			-40	40	03/12/2025	11:09	LB135011
	Zinc	6.95			-40	40	03/12/2025	11:09	LB135011
ICSAB01	Aluminum	239000	247000	97	209000	285000	03/12/2025	11:14	LB135011
	Antimony	630	618	102	525	711	03/12/2025	11:14	LB135011
	Arsenic	116	104	112	88.4	120	03/12/2025	11:14	LB135011
	Barium	454	537	84	437	637	03/12/2025	11:14	LB135011
	Beryllium	467	495	94	420	570	03/12/2025	11:14	LB135011
	Cadmium	1000	972	103	826	1120	03/12/2025	11:14	LB135011
	Calcium	220000	235000	94	199000	271000	03/12/2025	11:14	LB135011
	Chromium	595	542	110	460	624	03/12/2025	11:14	LB135011
	Cobalt	511	476	107	404	548	03/12/2025	11:14	LB135011
	Copper	509	511	100	434	588	03/12/2025	11:14	LB135011
	Iron	102000	99300	103	84400	114500	03/12/2025	11:14	LB135011
	Lead	52.3	49.0	107	37	61	03/12/2025	11:14	LB135011
	Magnesium	237000	248000	96	210000	286000	03/12/2025	11:14	LB135011
	Manganese	451	507	89	430	584	03/12/2025	11:14	LB135011
	Nickel	1000	954	105	810	1100	03/12/2025	11:14	LB135011
	Potassium	-44.7			0	0	03/12/2025	11:14	LB135011
	Selenium	34.2	46.0	74	26	66	03/12/2025	11:14	LB135011
	Silver	226	201	112	170	232	03/12/2025	11:14	LB135011
	Sodium	43.6			0	0	03/12/2025	11:14	LB135011
	Thallium	108	108	100	68	148	03/12/2025	11:14	LB135011

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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	457	491	93	417	565	03/12/2025	11:14	LB135011
	Zinc	1080	952	113	809	1095	03/12/2025	11:14	LB135011
ICSA01	Aluminum	256000	255000	100	216000	294000	03/13/2025	12:25	LB135035
	Antimony	-2.75			-50	50	03/13/2025	12:25	LB135035
	Arsenic	4.32			-20	20	03/13/2025	12:25	LB135035
	Barium	4.72	6.0	79	-94	106	03/13/2025	12:25	LB135035
	Beryllium	1.26			-6	6	03/13/2025	12:25	LB135035
	Cadmium	-3.11	1.0	311	-5	7	03/13/2025	12:25	LB135035
	Calcium	242000	245000	99	208000	282000	03/13/2025	12:25	LB135035
	Chromium	60.0	52.0	115	42	62	03/13/2025	12:25	LB135035
	Cobalt	1.59			-30	30	03/13/2025	12:25	LB135035
	Copper	10.4	2.0	519	-18	22	03/13/2025	12:25	LB135035
	Iron	103000	101000	102	85600	116500	03/13/2025	12:25	LB135035
	Lead	4.72			-12	12	03/13/2025	12:25	LB135035
	Magnesium	262000	255000	103	216000	294000	03/13/2025	12:25	LB135035
	Manganese	3.77	7.0	54	-13	27	03/13/2025	12:25	LB135035
	Nickel	1.93	2.0	96	-38	42	03/13/2025	12:25	LB135035
	Potassium	112			0	0	03/13/2025	12:25	LB135035
	Selenium	-15.2			-20	20	03/13/2025	12:25	LB135035
	Silver	-0.88			-10	10	03/13/2025	12:25	LB135035
	Sodium	81.3			0	0	03/13/2025	12:25	LB135035
	Thallium	9.23			-40	40	03/13/2025	12:25	LB135035
	Vanadium	3.49			-40	40	03/13/2025	12:25	LB135035
	Zinc	4.65			-40	40	03/13/2025	12:25	LB135035
ICSAB01	Aluminum	240000	247000	97	209000	285000	03/13/2025	12:30	LB135035
	Antimony	610	618	99	525	711	03/13/2025	12:30	LB135035
	Arsenic	113	104	109	88.4	120	03/13/2025	12:30	LB135035
	Barium	485	537	90	437	637	03/13/2025	12:30	LB135035
	Beryllium	491	495	99	420	570	03/13/2025	12:30	LB135035
	Cadmium	1000	972	103	826	1120	03/13/2025	12:30	LB135035
	Calcium	231000	235000	98	199000	271000	03/13/2025	12:30	LB135035
	Chromium	564	542	104	460	624	03/13/2025	12:30	LB135035
	Cobalt	508	476	107	404	548	03/13/2025	12:30	LB135035
	Copper	504	511	99	434	588	03/13/2025	12:30	LB135035
	Iron	100000	99300	101	84400	114500	03/13/2025	12:30	LB135035
	Lead	54.2	49.0	111	37	61	03/13/2025	12:30	LB135035
	Magnesium	249000	248000	100	210000	286000	03/13/2025	12:30	LB135035
	Manganese	476	507	94	430	584	03/13/2025	12:30	LB135035
	Nickel	1010	954	106	810	1100	03/13/2025	12:30	LB135035
	Potassium	79.0			0	0	03/13/2025	12:30	LB135035
	Selenium	43.0	46.0	94	26	66	03/13/2025	12:30	LB135035
	Silver	218	201	108	170	232	03/13/2025	12:30	LB135035

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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	93.6			0	0	03/13/2025	12:30	LB135035
	Thallium	107	108	99	68	148	03/13/2025	12:30	LB135035
	Vanadium	470	491	96	417	565	03/13/2025	12:30	LB135035
	Zinc	1050	952	110	809	1095	03/13/2025	12:30	LB135035

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Water **sample id:** Q1478-01 **client id:** IDW-AQ-MW-19B-COMP-022825MS

Percent Solids for Sample: NA **Spiked ID:** Q1478-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.54		0.20	U	4.0	88		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Water **sample id:** Q1478-01 **client id:** IDW-AQ-MW-19B-COMP-022825MSD

Percent Solids for Sample: NA **Spiked ID:** Q1478-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.47		0.20	U	4.0	87		CV

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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Solid **sample id:** Q1515-01 **client id:** AU-06-030625MS

Percent Solids for Sample: 87.7 **Spiked ID:** Q1515-01MS **Percent Solids for Spike Sample:** 87.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5850		5030		100	827		P
Antimony	mg/Kg	75 - 125	13.2		2.52	U	40.5	33	N	P
Arsenic	mg/Kg	75 - 125	51.3		15.4		40.5	89		P
Barium	mg/Kg	75 - 125	34.3		28.5		10.1	57	N	P
Beryllium	mg/Kg	75 - 125	8.04		0.71		10.1	73	N	P
Cadmium	mg/Kg	75 - 125	9.53		0.30	U	10.1	94		P
Calcium	mg/Kg	75 - 125	5990		4030		50.7	3859		P
Chromium	mg/Kg	75 - 125	54.7		34.6		20.3	99		P
Cobalt	mg/Kg	75 - 125	13.8		3.69		10.1	100		P
Copper	mg/Kg	75 - 125	24.0		7.81		15.2	107		P
Iron	mg/Kg	75 - 125	17200		15600		150	1052		P
Lead	mg/Kg	75 - 125	122		22.5		50.7	197	N	P
Magnesium	mg/Kg	75 - 125	1870		1160		100	714		P
Manganese	mg/Kg	75 - 125	50.3		47.4		10.1	29		P
Nickel	mg/Kg	75 - 125	32.7		8.23		25.3	97		P
Potassium	mg/Kg	75 - 125	1710		984		510	143	N	P
Selenium	mg/Kg	75 - 125	74.1		1.01	U	100	74	N	P
Silver	mg/Kg	75 - 125	3.13		0.51	U	3.8	82		P
Sodium	mg/Kg	75 - 125	260		105		150	103		P
Thallium	mg/Kg	75 - 125	93.2		0.52	J	100	93		P
Vanadium	mg/Kg	75 - 125	37.3		21.6		15.2	104		P
Zinc	mg/Kg	75 - 125	44.6		33.4		10.1	112		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Solid **sample id:** Q1515-01 **client id:** AU-06-030625MSD

Percent Solids for Sample: 87.7 **Spiked ID:** Q1515-01MSD **Percent Solids for Spike Sample:** 87.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5570		5030		96.6	568		P
Antimony	mg/Kg	75 - 125	12.7		2.52	U	38.7	33	N	P
Arsenic	mg/Kg	75 - 125	49.0		15.4		38.7	87		P
Barium	mg/Kg	75 - 125	31.9		28.5		9.7	35	N	P
Beryllium	mg/Kg	75 - 125	7.82		0.71		9.7	73	N	P
Cadmium	mg/Kg	75 - 125	9.10		0.30	U	9.7	94		P
Calcium	mg/Kg	75 - 125	5650		4030		48.3	3350		P
Chromium	mg/Kg	75 - 125	52.2		34.6		19.3	91		P
Cobalt	mg/Kg	75 - 125	13.2		3.69		9.7	98		P
Copper	mg/Kg	75 - 125	23.0		7.81		14.5	105		P
Iron	mg/Kg	75 - 125	16000		15600		140	274		P
Lead	mg/Kg	75 - 125	116		22.5		48.3	194	N	P
Magnesium	mg/Kg	75 - 125	1780		1160		96.6	644		P
Manganese	mg/Kg	75 - 125	47.7		47.4		9.7	3		P
Nickel	mg/Kg	75 - 125	31.1		8.23		24.2	95		P
Potassium	mg/Kg	75 - 125	1580		984		480	124		P
Selenium	mg/Kg	75 - 125	70.4		1.01	U	96.6	73	N	P
Silver	mg/Kg	75 - 125	2.90		0.51	U	3.6	81		P
Sodium	mg/Kg	75 - 125	242		105		140	98		P
Thallium	mg/Kg	75 - 125	89.5		0.52	J	96.6	92		P
Vanadium	mg/Kg	75 - 125	35.5		21.6		14.5	96		P
Zinc	mg/Kg	75 - 125	42.2		33.4		9.7	91		P

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metals
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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Water **sample id:** Q1522-02 **client id:** TW-WTS-04MS

Percent Solids for Sample: NA **Spiked ID:** Q1522-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1350		386		1000	96		P
Antimony	ug/L	75 - 125	421		25.0	U	400	105		P
Arsenic	ug/L	75 - 125	418		10.0	U	400	104		P
Barium	ug/L	75 - 125	112		26.6	J	100	86		P
Beryllium	ug/L	75 - 125	95.0		3.00	U	100	95		P
Cadmium	ug/L	75 - 125	93.7		3.00	U	100	94		P
Calcium	ug/L	75 - 125	103000		103000		500	-86		P
Chromium	ug/L	75 - 125	207		5.00	U	200	104		P
Cobalt	ug/L	75 - 125	98.3		2.45	J	100	96		P
Copper	ug/L	75 - 125	149		10.0	U	150	99		P
Iron	ug/L	75 - 125	1510		120		1500	93		P
Lead	ug/L	75 - 125	457		6.92		500	90		P
Magnesium	ug/L	75 - 125	8500		7520		1000	98		P
Manganese	ug/L	75 - 125	160		54.9		100	105		P
Nickel	ug/L	75 - 125	251		12.8	J	250	95		P
Potassium	ug/L	75 - 125	41700		39000		5000	56		P
Selenium	ug/L	75 - 125	978		10.0	U	1000	98		P
Silver	ug/L	75 - 125	30.4		5.00	U	37.5	81		P
Sodium	ug/L	75 - 125	72800		76300		1500	-232		P
Thallium	ug/L	75 - 125	900		20.0	U	1000	90		P
Vanadium	ug/L	75 - 125	143		20.0	U	150	95		P
Zinc	ug/L	75 - 125	119		15.5	J	100	104		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Water **sample id:** Q1522-02 **client id:** TW-WTS-04MSD

Percent Solids for Sample: NA **Spiked ID:** Q1522-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1350		386		1000	96		P
Antimony	ug/L	75 - 125	423		25.0	U	400	106		P
Arsenic	ug/L	75 - 125	424		10.0	U	400	106		P
Barium	ug/L	75 - 125	115		26.6	J	100	88		P
Beryllium	ug/L	75 - 125	87.6		3.00	U	100	88		P
Cadmium	ug/L	75 - 125	93.3		3.00	U	100	93		P
Calcium	ug/L	75 - 125	101000		103000		500	-410		P
Chromium	ug/L	75 - 125	205		5.00	U	200	102		P
Cobalt	ug/L	75 - 125	98.3		2.45	J	100	96		P
Copper	ug/L	75 - 125	149		10.0	U	150	99		P
Iron	ug/L	75 - 125	1570		120		1500	97		P
Lead	ug/L	75 - 125	454		6.92		500	89		P
Magnesium	ug/L	75 - 125	8190		7520		1000	67		P
Manganese	ug/L	75 - 125	158		54.9		100	103		P
Nickel	ug/L	75 - 125	250		12.8	J	250	95		P
Potassium	ug/L	75 - 125	45000		39000		5000	121		P
Selenium	ug/L	75 - 125	988		10.0	U	1000	99		P
Silver	ug/L	75 - 125	30.0		5.00	U	37.5	80		P
Sodium	ug/L	75 - 125	77600		76300		1500	87		P
Thallium	ug/L	75 - 125	901		20.0	U	1000	90		P
Vanadium	ug/L	75 - 125	141		20.0	U	150	94		P
Zinc	ug/L	75 - 125	120		15.5	J	100	104		P

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metals
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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Solid **sample id:** Q1524-02 **client id:** VNJ-241MS

Percent Solids for Sample: 88.9 **Spiked ID:** Q1524-02MS **Percent Solids for Spike Sample:** 88.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.40		0.11		0.28	104		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Solid **sample id:** Q1524-02 **client id:** VNJ-241MSD

Percent Solids for Sample: 88.9 **Spiked ID:** Q1524-02MSD **Percent Solids for Spike Sample:** 88.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.39		0.11		0.27	101		CV

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POST DIGEST SPIKE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Solid **Level:** LOW **Client ID:** AU-06-030625A

Sample ID: Q1515-01 **Spiked ID:** Q1515-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	13.4		2.52	U	40.4	33		P
Barium	mg/Kg	75 - 125	33.6		28.5		10.1	50		P
Beryllium	mg/Kg	75 - 125	8.01		0.71		10.1	72		P
Lead	mg/Kg	75 - 125	123		22.5		50.5	198		P
Potassium	mg/Kg	75 - 125	1690		984		500	142		P
Selenium	mg/Kg	75 - 125	74.9		1.01	U	100	75		P

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Water **Sample ID:** Q1478-01 **Client ID:** IDW-AQ-MW-19B-COMP-022825DUP

Percent Solids for Sample: NA **Duplicate ID** Q1478-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Water **Sample ID:** Q1478-01MS **Client ID:** IDW-AQ-MW-19B-COMP-022825MSD

Percent Solids for Sample: NA **Duplicate ID** Q1478-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.54		3.47		2		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Solid **Sample ID:** Q1515-01 **Client ID:** AU-06-030625DUP

Percent Solids for Sample: 87.7 **Duplicate ID** Q1515-01DUP **Percent Solids for Spike Sample:** 87.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5030		4780		5		P
Antimony	mg/Kg	20	2.52	U	2.41	U			P
Arsenic	mg/Kg	20	15.4		14.8		4		P
Barium	mg/Kg	20	28.5		27.7		3		P
Beryllium	mg/Kg	20	0.71		0.67		7		P
Cadmium	mg/Kg	20	0.30	U	0.29	U			P
Calcium	mg/Kg	20	4030		3860		4		P
Chromium	mg/Kg	20	34.6		32.5		6		P
Cobalt	mg/Kg	20	3.69		3.54		4		P
Copper	mg/Kg	20	7.81		7.42		5		P
Iron	mg/Kg	20	15600		15000		4		P
Lead	mg/Kg	20	22.5		21.8		3		P
Magnesium	mg/Kg	20	1160		1100		5		P
Manganese	mg/Kg	20	47.4		45.4		4		P
Nickel	mg/Kg	20	8.23		7.86		5		P
Potassium	mg/Kg	20	984		951		3		P
Selenium	mg/Kg	20	1.01	U	0.96	U			P
Silver	mg/Kg	20	0.51	U	0.48	U			P
Sodium	mg/Kg	20	105		99.7		5		P
Thallium	mg/Kg	20	0.52	J	0.46	J	13		P
Vanadium	mg/Kg	20	21.6		20.7		4		P
Zinc	mg/Kg	20	33.4		31.6		6		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Solid **Sample ID:** Q1515-01MS **Client ID:** AU-06-030625MSD

Percent Solids for Sample: 87.7 **Duplicate ID** Q1515-01MSD **Percent Solids for Spike Sample:** 87.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5850		5570		5		P
Antimony	mg/Kg	20	13.2		12.7		4		P
Arsenic	mg/Kg	20	51.3		49.0		5		P
Barium	mg/Kg	20	34.3		31.9		7		P
Beryllium	mg/Kg	20	8.04		7.82		3		P
Cadmium	mg/Kg	20	9.53		9.10		5		P
Calcium	mg/Kg	20	5990		5650		6		P
Chromium	mg/Kg	20	54.7		52.2		5		P
Cobalt	mg/Kg	20	13.8		13.2		4		P
Copper	mg/Kg	20	24.0		23.0		4		P
Iron	mg/Kg	20	17200		16000		7		P
Lead	mg/Kg	20	122		116		5		P
Magnesium	mg/Kg	20	1870		1780		5		P
Manganese	mg/Kg	20	50.3		47.7		5		P
Nickel	mg/Kg	20	32.7		31.1		5		P
Potassium	mg/Kg	20	1710		1580		8		P
Selenium	mg/Kg	20	74.1		70.4		5		P
Silver	mg/Kg	20	3.13		2.90		8		P
Sodium	mg/Kg	20	260		242		7		P
Thallium	mg/Kg	20	93.2		89.5		4		P
Vanadium	mg/Kg	20	37.3		35.5		5		P
Zinc	mg/Kg	20	44.6		42.2		6		P

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Water **Sample ID:** Q1522-02 **Client ID:** TW-WTS-04DUP

Percent Solids for Sample: NA **Duplicate ID** Q1522-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	386		394		2		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	26.6	J	25.4	J	5		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	103000		101000		2		P
Chromium	ug/L	20	5.00	U	5.00	U			P
Cobalt	ug/L	20	2.45	J	2.56	J	4		P
Copper	ug/L	20	10.0	U	10.0	U			P
Iron	ug/L	20	120		135		12		P
Lead	ug/L	20	6.92		12.8		60		P
Magnesium	ug/L	20	7520		7360		2		P
Manganese	ug/L	20	54.9		54.4		1		P
Nickel	ug/L	20	12.8	J	12.7	J	1		P
Potassium	ug/L	20	39000		38700		1		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	76300		76900		1		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	15.5	J	18.5	J	18		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Water **Sample ID:** Q1522-02MS **Client ID:** TW-WTS-04MSD

Percent Solids for Sample: NA **Duplicate ID** Q1522-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1350		1350		0		P
Antimony	ug/L	20	421		423		0		P
Arsenic	ug/L	20	418		424		1		P
Barium	ug/L	20	112		115		3		P
Beryllium	ug/L	20	95.0		87.6		8		P
Cadmium	ug/L	20	93.7		93.3		0		P
Calcium	ug/L	20	103000		101000		2		P
Chromium	ug/L	20	207		205		1		P
Cobalt	ug/L	20	98.3		98.3		0		P
Copper	ug/L	20	149		149		0		P
Iron	ug/L	20	1510		1570		4		P
Lead	ug/L	20	457		454		1		P
Magnesium	ug/L	20	8500		8190		4		P
Manganese	ug/L	20	160		158		1		P
Nickel	ug/L	20	251		250		0		P
Potassium	ug/L	20	41700		45000		8		P
Selenium	ug/L	20	978		988		1		P
Silver	ug/L	20	30.4		30.0		1		P
Sodium	ug/L	20	72800		77600		6		P
Thallium	ug/L	20	900		901		0		P
Vanadium	ug/L	20	143		141		1		P
Zinc	ug/L	20	119		120		1		P

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Solid **Sample ID:** Q1524-02 **Client ID:** VNJ-241DUP

Percent Solids for Sample: 88.9 **Duplicate ID** Q1524-02DUP **Percent Solids for Spike Sample:** 88.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.11		0.13		14		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Solid **Sample ID:** Q1524-02MS **Client ID:** VNJ-241MSD

Percent Solids for Sample: 88.9 **Duplicate ID** Q1524-02MSD **Percent Solids for Spike Sample:** 88.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.40		0.39		4		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.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167024BS							
Aluminum	mg/Kg	86.6	87.4		101	80 - 120	P
Antimony	mg/Kg	34.6	35.4		102	80 - 120	P
Arsenic	mg/Kg	34.6	35.3		102	80 - 120	P
Barium	mg/Kg	8.7	7.41		85	80 - 120	P
Beryllium	mg/Kg	8.7	8.14		94	80 - 120	P
Cadmium	mg/Kg	8.7	8.18		94	80 - 120	P
Calcium	mg/Kg	43.3	41.9	J	97	80 - 120	P
Chromium	mg/Kg	17.3	18.3		106	80 - 120	P
Cobalt	mg/Kg	8.7	8.32		96	80 - 120	P
Copper	mg/Kg	13.0	13.5		104	80 - 120	P
Iron	mg/Kg	130	123		95	80 - 120	P
Lead	mg/Kg	43.3	41.9		97	80 - 120	P
Magnesium	mg/Kg	86.6	78.7	J	91	80 - 120	P
Manganese	mg/Kg	8.7	7.97		92	80 - 120	P
Nickel	mg/Kg	21.6	20.7		96	80 - 120	P
Potassium	mg/Kg	430	395		92	80 - 120	P
Selenium	mg/Kg	86.6	85.3		98	80 - 120	P
Silver	mg/Kg	3.2	3.25		102	80 - 120	P
Sodium	mg/Kg	130	131		101	80 - 120	P
Thallium	mg/Kg	86.6	86.1		99	80 - 120	P
Vanadium	mg/Kg	13.0	12.3		95	80 - 120	P
Zinc	mg/Kg	8.7	9.01		104	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167034BS							
Mercury	ug/L	4.0	4.08		102	80 - 120	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167038BS							
Aluminum	ug/L	1000	1020		102	80 - 120	P
Antimony	ug/L	400	399		100	80 - 120	P
Arsenic	ug/L	400	397		99	80 - 120	P
Barium	ug/L	100	86.1		86	80 - 120	P
Beryllium	ug/L	100	92.7		93	80 - 120	P
Cadmium	ug/L	100	92.4		92	80 - 120	P
Calcium	ug/L	500	513	J	103	80 - 120	P
Chromium	ug/L	200	209		104	80 - 120	P
Cobalt	ug/L	100	94.3		94	80 - 120	P
Copper	ug/L	150	152		101	80 - 120	P
Iron	ug/L	1500	1450		97	80 - 120	P
Lead	ug/L	500	475		95	80 - 120	P
Magnesium	ug/L	1000	920	J	92	80 - 120	P
Manganese	ug/L	100	92.4		92	80 - 120	P
Nickel	ug/L	250	235		94	80 - 120	P
Potassium	ug/L	5000	4630		93	80 - 120	P
Selenium	ug/L	1000	959		96	80 - 120	P
Silver	ug/L	37.5	37.9		101	80 - 120	P
Sodium	ug/L	1500	1520		101	80 - 120	P
Thallium	ug/L	1000	966		97	80 - 120	P
Vanadium	ug/L	150	141		94	80 - 120	P
Zinc	ug/L	100	105		105	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167064BS							
Mercury	mg/Kg	0.25	0.24		94	80 - 120	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

IDW-AQ-MW-19B-COMP-022825L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb134958 **Lab Sample ID :** Q1478-01L **SDG No.:** Q1514

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.20	U	1.00	U			CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

AU-06-030625L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb135011 **Lab Sample ID :** Q1515-01L **SDG No.:** Q1514

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	5030		5540		10		P
Antimony	2.52	U	12.6	U			P
Arsenic	15.4		17.9		16		P
Barium	28.5		30.0		5		P
Beryllium	0.71		0.85	J	19		P
Cadmium	0.30	U	1.51	U			P
Calcium	4030		4560		13		P
Chromium	34.6		42.2		22		P
Cobalt	3.69		3.72	J	1		P
Copper	7.81		10.0		28		P
Iron	15600		18500		18		P
Lead	22.5		23.6		5		P
Magnesium	1160		1320		14		P
Manganese	47.4		53.7		13		P
Nickel	8.23		8.49	J	3		P
Potassium	984		1060		8		P
Selenium	1.01	U	5.05	U			P
Silver	0.51	U	2.52	U			P
Sodium	105		505	U	100.0		P
Thallium	0.52	J	10.1	U	100.0		P
Vanadium	21.6		24.5		13		P
Zinc	33.4		39.9		20		P

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ICP SERIAL DILUTIONS

SAMPLE NO.

TW-WTS-04L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb135011 **Lab Sample ID :** Q1522-02L **SDG No.:** Q1514

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	386		546		41		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	26.6	J	250	U	100.0		P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	103000		103000		0		P
Chromium	5.00	U	25.0	U			P
Cobalt	2.45	J	2.70	J	10		P
Copper	10.0	U	50.0	U			P
Iron	120		126	J	5		P
Lead	6.92		30.0	U	100.0		P
Magnesium	7520		7640		2		P
Manganese	54.9		57.9		5		P
Nickel	12.8	J	13.0	J	2		P
Potassium	39000		36100		7		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	76300		70700		7		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	15.5	J	17.1	J	10		P

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ICP SERIAL DILUTIONS

SAMPLE NO.

VNJ-241L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb134978 **Lab Sample ID :** Q1524-02L **SDG No.:** Q1514

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	0.11		0.11		3		CV

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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB134958

Start date: 03/10/2025 **End date:** 03/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0959	HG
S0.2	S0.2	1	1001	HG
S2.5	S2.5	1	1003	HG
S5	S5	1	1006	HG
S7.5	S7.5	1	1013	HG
S10	S10	1	1019	HG
ICV35	ICV35	1	1022	HG
ICB35	ICB35	1	1026	HG
CCV75	CCV75	1	1034	HG
CCB75	CCB75	1	1039	HG
CRA	CRA	1	1041	HG
CCV76	CCV76	1	1109	HG
CCB76	CCB76	1	1111	HG
CCV77	CCV77	1	1148	HG
CCB77	CCB77	1	1153	HG
PB167034BL	PB167034BL	1	1159	HG
PB167034BS	PB167034BS	1	1202	HG
Q1478-01DUP	IDW-AQ-MW-19B-COMP-0228	1	1206	HG
Q1478-01MS	IDW-AQ-MW-19B-COMP-0228	1	1209	HG
Q1478-01MSD	IDW-AQ-MW-19B-COMP-0228	1	1211	HG
CCV78	CCV78	1	1218	HG
CCB78	CCB78	1	1226	HG
Q1514-08	ENV-103-GW01	1	1235	HG
Q1514-09	FB03062025	1	1238	HG
CCV79	CCV79	1	1245	HG
CCB79	CCB79	1	1247	HG
Q1478-01L	IDW-AQ-MW-19B-COMP-0228	5	1259	HG
Q1514-07	ENV-105-GW01	10	1308	HG
CCV80	CCV80	1	1310	HG
CCB80	CCB80	1	1312	HG

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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB134978

Start date: 03/11/2025 **End date:** 03/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0819	HG
S0.2	S0.2	1	0822	HG
S2.5	S2.5	1	0824	HG
S5	S5	1	0826	HG
S7.5	S7.5	1	0829	HG
S10	S10	1	0831	HG
ICV36	ICV36	1	0834	HG
ICB36	ICB36	1	0839	HG
CCV80	CCV80	1	0841	HG
CCB80	CCB80	1	0843	HG
CRA	CRA	1	0851	HG
PB167064BL	PB167064BL	1	0901	HG
PB167064BS	PB167064BS	1	0905	HG
Q1514-03	ENV-105-SB02	1	0915	HG
Q1514-05	ENV-103-SB01	1	0918	HG
CCV81	CCV81	1	0920	HG
CCB81	CCB81	1	0922	HG
Q1524-02DUP	VNJ-241DUP	1	0932	HG
Q1524-02MS	VNJ-241MS	1	0937	HG
Q1524-02MSD	VNJ-241MSD	1	0939	HG
Q1524-02L	VNJ-241L	5	0941	HG
Q1514-01	ENV-105-SB01	5	0948	HG
CCV82	CCV82	1	0951	HG
CCB82	CCB82	1	0953	HG
CCV83	CCV83	1	0958	HG
CCB83	CCB83	1	1001	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.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB135011

Start date: 03/12/2025 **End date:** 03/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1027	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	1031	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	1035	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	1039	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	1044	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	1048	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	1052	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	1056	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	1101	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	1105	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	1109	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	1114	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	1129	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	1134	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167038BL	PB167038BL	1	1155	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167038BS	PB167038BS	1	1159	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167024BL	PB167024BL	1	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167024BS	PB167024BS	1	1207	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	1220	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	1224	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	1310	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	1314	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1515-01DUP	AU-06-030625DUP	1	1420	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	1424	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	1428	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	1525	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	1529	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1515-01L	AU-06-030625L	5	1558	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1515-01MS	AU-06-030625MS	1	1602	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1515-01MSD	AU-06-030625MSD	1	1606	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1515-01A	AU-06-030625A	1	1610	Ba,Be,K,Pb,Sb,Se
CCV06	CCV06	1	1625	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	1630	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1522-02DUP	TW-WTS-04DUP	1	1711	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1522-02L	TW-WTS-04L	5	1716	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	1725	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	1730	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1522-02MS	TW-WTS-04MS	1	1735	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1522-02MSD	TW-WTS-04MSD	1	1739	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	1823	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	1827	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.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB135011

Start date: 03/12/2025 **End date:** 03/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV09	CCV09	1	1849	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	1853	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.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB135035

Start date: 03/13/2025 **End date:** 03/13/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1142	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	1146	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	1150	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	1154	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	1159	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	1203	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	1207	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	1213	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	1217	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	1221	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	1225	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	1230	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	1253	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	1258	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	1349	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	1354	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	1440	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	1448	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	1538	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	1542	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-08	ENV-103-GW01	1	1546	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-09	FB03062025	1	1551	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-01	ENV-105-SB01	1	1555	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-03	ENV-105-SB02	1	1559	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-05	ENV-103-SB01	1	1603	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	1628	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	1632	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	1721	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	1725	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-07	ENV-105-GW01	10	1808	Ag,Ca,Fe
CCV07	CCV07	1	1812	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	1835	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1514-07	ENV-105-GW01	1	1844	Al,As,Ba,Be,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1853	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	1903	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	1912	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	1921	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-01	**ENV-105-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			Mercury	7471B		03/10/25	03/11/25	
			Metals ICP-TAL	6010D		03/07/25	03/13/25	
Q1514-03	**ENV-105-SB02**	**SOIL**			**03/05/25**			**03/06/25**
			Mercury	7471B		03/10/25	03/11/25	
			Metals ICP-TAL	6010D		03/07/25	03/13/25	
Q1514-05	**ENV-103-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			Mercury	7471B		03/10/25	03/11/25	
			Metals ICP-TAL	6010D		03/07/25	03/13/25	
Q1514-07	**ENV-105-GW01**	**Water**			**03/05/25**			**03/06/25**
			Mercury	7470A		03/07/25	03/10/25	
			Metals ICP-TAL	6010D		03/10/25	03/13/25	
Q1514-08	**ENV-103-GW01**	**Water**			**03/05/25**			**03/06/25**
			Mercury	7470A		03/07/25	03/10/25	
			Metals ICP-TAL	6010D		03/10/25	03/13/25	
Q1514-09	**FB03062025**	**Water**			**03/06/25**			**03/06/25**
			Mercury	7470A		03/07/25	03/10/25	
			Metals ICP-TAL	6010D		03/10/25	03/13/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1514 **SAS No.:** Q1514

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167024**						
PB167024BL	PB167024BL	MB	SOLID	03/07/2025	2.31	100.0	100.00
PB167024BS	PB167024BS	LCS	SOLID	03/07/2025	2.31	100.0	100.00
Q1514-01	ENV-105-SB01	SAM	SOLID	03/07/2025	2.41	100.0	91.60
Q1514-03	ENV-105-SB02	SAM	SOLID	03/07/2025	2.32	100.0	81.00
Q1514-05	ENV-103-SB01	SAM	SOLID	03/07/2025	2.29	100.0	89.10
Q1515-01DUP	AU-06-030625DUP	DUP	SOLID	03/07/2025	2.37	100.0	87.70
Q1515-01MS	AU-06-030625MS	MS	SOLID	03/07/2025	2.25	100.0	87.70
Q1515-01MSD	AU-06-030625MSD	MSD	SOLID	03/07/2025	2.36	100.0	87.70

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1514 **SAS No.:** Q1514

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167034**						
PB167034BL	PB167034BL	MB	WATER	03/07/2025	30.0	30.0	
PB167034BS	PB167034BS	LCS	WATER	03/07/2025	30.0	30.0	
Q1478-01DUP	IDW-AQ-MW-19B-COMP-022825DUP	DUP	WATER	03/07/2025	30.0	30.0	
Q1478-01MS	IDW-AQ-MW-19B-COMP-022825MS	MS	WATER	03/07/2025	30.0	30.0	
Q1478-01MSD	IDW-AQ-MW-19B-COMP-022825MSD	MSD	WATER	03/07/2025	30.0	30.0	
Q1514-07	ENV-105-GW01	SAM	WATER	03/07/2025	30.0	30.0	
Q1514-08	ENV-103-GW01	SAM	WATER	03/07/2025	30.0	30.0	
Q1514-09	FB03062025	SAM	WATER	03/07/2025	30.0	30.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1514 **SAS No.:** Q1514

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167038**						
PB167038BL	PB167038BL	MB	WATER	03/10/2025	50.0	25.0	
PB167038BS	PB167038BS	LCS	WATER	03/10/2025	50.0	25.0	
Q1514-07	ENV-105-GW01	SAM	WATER	03/10/2025	50.0	25.0	
Q1514-08	ENV-103-GW01	SAM	WATER	03/10/2025	50.0	25.0	
Q1514-09	FB03062025	SAM	WATER	03/10/2025	50.0	25.0	
Q1522-02DUP	TW-WTS-04DUP	DUP	WATER	03/10/2025	50.0	25.0	
Q1522-02MS	TW-WTS-04MS	MS	WATER	03/10/2025	50.0	25.0	
Q1522-02MSD	TW-WTS-04MSD	MSD	WATER	03/10/2025	50.0	25.0	

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1514 **SAS No.:** Q1514

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167064**						
PB167064BL	PB167064BL	MB	SOLID	03/10/2025	0.56	35.0	100.00
PB167064BS	PB167064BS	LCS	SOLID	03/10/2025	0.57	35.0	100.00
Q1514-01	ENV-105-SB01	SAM	SOLID	03/10/2025	0.52	35.0	91.60
Q1514-03	ENV-105-SB02	SAM	SOLID	03/10/2025	0.58	35.0	81.00
Q1514-05	ENV-103-SB01	SAM	SOLID	03/10/2025	0.56	35.0	89.10
Q1524-02DUP	VNJ-241DUP	DUP	SOLID	03/10/2025	0.58	35.0	88.90
Q1524-02MS	VNJ-241MS	MS	SOLID	03/10/2025	0.57	35.0	88.90
Q1524-02MSD	VNJ-241MSD	MSD	SOLID	03/10/2025	0.58	35.0	88.90

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134958

Review By	Mohan	Review On	3/11/2025 9:32:51 AM
Supervise By	jaswal	Supervise On	3/11/2025 9:38:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84793,MP84794,MP84795,MP84796,MP84797,MP84798
ICV Standard	MP84799
CCV Standard	MP84801
ICSA Standard	
CRI Standard	MP84803
LCS Standard	
Chk Standard	MP84800,MP84802,MP84804,MP84826

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/10/25 09:59		Mohan	OK
2	S0.2	S0.2	CAL2	03/10/25 10:01		Mohan	OK
3	S2.5	S2.5	CAL3	03/10/25 10:03		Mohan	OK
4	S5	S5	CAL4	03/10/25 10:06		Mohan	OK
5	S7.5	S7.5	CAL5	03/10/25 10:13		Mohan	OK
6	S10	S10	CAL6	03/10/25 10:19		Mohan	OK
7	ICV35	ICV35	ICV	03/10/25 10:22		Mohan	OK
8	ICB35	ICB35	ICB	03/10/25 10:26		Mohan	OK
9	CCV75	CCV75	CCV	03/10/25 10:34		Mohan	OK
10	CCB75	CCB75	CCB	03/10/25 10:39		Mohan	OK
11	CRA	CRA	CRDL	03/10/25 10:41		Mohan	OK
12	HighStd	HighStd	HIGH STD	03/10/25 10:43		Mohan	OK
13	ChkStd	ChkStd	SAM	03/10/25 10:46		Mohan	OK
14	PB167033BL	PB167033BL	MB	03/10/25 10:53		Mohan	OK
15	PB167033BS	PB167033BS	LCS	03/10/25 10:56		Mohan	OK
16	Q1488-02	ENV-101-SB01	SAM	03/10/25 10:58		Mohan	OK
17	Q1488-04	ENV-101-SB02	SAM	03/10/25 11:00		Mohan	OK
18	Q1488-06	ENV-102-SB01	SAM	03/10/25 11:02		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134958

Review By	Mohan	Review On	3/11/2025 9:32:51 AM
Supervise By	jaswal	Supervise On	3/11/2025 9:38:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84793,MP84794,MP84795,MP84796,MP84797,MP84798
ICV Standard	MP84799
CCV Standard	MP84801
ICSA Standard	
CRI Standard	MP84803
LCS Standard	
Chk Standard	MP84800,MP84802,MP84804,MP84826

19	Q1488-08	ENV-102-SB02	SAM	03/10/25 11:05		Mohan	OK
20	Q1488-10	ENV-104-SB01	SAM	03/10/25 11:07		Mohan	OK
21	CCV76	CCV76	CCV	03/10/25 11:09		Mohan	OK
22	CCB76	CCB76	CCB	03/10/25 11:11		Mohan	OK
23	Q1488-12	ENV-104-SB02	SAM	03/10/25 11:14		Mohan	OK
24	Q1490-02	CLAY-SLUDGE-DRUI	SAM	03/10/25 11:16		Mohan	OK
25	Q1494-04	ASPHALT-SOIL	SAM	03/10/25 11:18		Mohan	OK
26	Q1494-06	SOIL	SAM	03/10/25 11:20		Mohan	OK
27	Q1494-08	SOIL-COMP	SAM	03/10/25 11:23		Mohan	OK
28	Q1510-01	FMC-25-0001-0005	SAM	03/10/25 11:25		Mohan	OK
29	Q1514-02	ENV-105-SB01	SAM	03/10/25 11:27		Mohan	OK
30	Q1514-04	ENV-105-SB02	SAM	03/10/25 11:30		Mohan	OK
31	Q1514-06	ENV-103-SB01	SAM	03/10/25 11:39		Mohan	OK
32	Q1514-06DUP	ENV-103-SB01DUP	DUP	03/10/25 11:41		Mohan	OK
33	CCV77	CCV77	CCV	03/10/25 11:48		Mohan	OK
34	CCB77	CCB77	CCB	03/10/25 11:53		Mohan	OK
35	Q1514-06MS	ENV-103-SB01MS	MS	03/10/25 11:55		Mohan	OK
36	Q1514-06MSD	ENV-103-SB01MSD	MSD	03/10/25 11:57		Mohan	OK
37	PB167034BL	PB167034BL	MB	03/10/25 11:59		Mohan	OK
38	PB167034BS	PB167034BS	LCS	03/10/25 12:02		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134958

Review By	Mohan	Review On	3/11/2025 9:32:51 AM
Supervise By	jaswal	Supervise On	3/11/2025 9:38:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84793,MP84794,MP84795,MP84796,MP84797,MP84798
ICV Standard	MP84799
CCV Standard	MP84801
ICSA Standard	
CRI Standard	MP84803
LCS Standard	
Chk Standard	MP84800,MP84802,MP84804,MP84826

39	Q1478-01	IDW-AQ-MW-19B-CO	SAM	03/10/25 12:04		Mohan	OK
40	Q1478-01DUP	IDW-AQ-MW-19B-CO	DUP	03/10/25 12:06		Mohan	OK
41	Q1478-01MS	IDW-AQ-MW-19B-CO	MS	03/10/25 12:09		Mohan	OK
42	Q1478-01MSD	IDW-AQ-MW-19B-CO	MSD	03/10/25 12:11		Mohan	OK
43	Q1478-03	IDW-AQ-IW-01-COMP	SAM	03/10/25 12:13		Mohan	OK
44	Q1478-05	IDW-AQ-IW-02-COMP	SAM	03/10/25 12:15		Mohan	OK
45	CCV78	CCV78	CCV	03/10/25 12:18		Mohan	OK
46	CCB78	CCB78	CCB	03/10/25 12:26		Mohan	OK
47	Q1478-07	IDW-AQ-IW-03-COMP	SAM	03/10/25 12:28		Mohan	OK
48	Q1494-01	PURGE-WATER	SAM	03/10/25 12:30		Mohan	OK
49	Q1514-07	ENV-105-GW01	SAM	03/10/25 12:32	High	Mohan	Dilution
50	Q1514-08	ENV-103-GW01	SAM	03/10/25 12:35		Mohan	OK
51	Q1514-09	FB03062025	SAM	03/10/25 12:38		Mohan	OK
52	Q1516-03	GAS-AUD-25-0026	SAM	03/10/25 12:40		Mohan	OK
53	Q1517-01	MOO-25-0062	SAM	03/10/25 12:42		Mohan	OK
54	CCV79	CCV79	CCV	03/10/25 12:45		Mohan	OK
55	CCB79	CCB79	CCB	03/10/25 12:47		Mohan	OK
56	PB167020TB	PB167020TB	MB	03/10/25 12:49		Mohan	OK
57	Q1514-06L	ENV-103-SB01L	SD	03/10/25 12:55		Mohan	OK
58	Q1514-06A	ENV-103-SB01A	PS	03/10/25 12:57		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134958

Review By	Mohan	Review On	3/11/2025 9:32:51 AM
Supervise By	jaswal	Supervise On	3/11/2025 9:38:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84793,MP84794,MP84795,MP84796,MP84797,MP84798
ICV Standard	MP84799
CCV Standard	MP84801
ICSA Standard	
CRI Standard	MP84803
LCS Standard	
Chk Standard	MP84800,MP84802,MP84804,MP84826

59	Q1478-01L	IDW-AQ-MW-19B-CO	SD	03/10/25 12:59		Mohan	OK
60	Q1478-01A	IDW-AQ-MW-19B-CO	PS	03/10/25 13:05		Mohan	OK
61	Q1514-07DL	ENV-105-GW01DL	SAM	03/10/25 13:08	Report 10X	Mohan	Confirms
62	CCV80	CCV80	CCV	03/10/25 13:10		Mohan	OK
63	CCB80	CCB80	CCB	03/10/25 13:12		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134978

Review By	Mohan	Review On	3/12/2025 11:53:01 AM
Supervise By	jaswal	Supervise On	3/12/2025 10:40:36 PM

STD. NAME	STD REF.#
ICAL Standard	MP84813,MP84814,MP84815,MP84816,MP84817,MP84818
ICV Standard	MP84819
CCV Standard	MP84821
ICSA Standard	
CRI Standard	MP84823
LCS Standard	
Chk Standard	MP84820,MP84822,MP84824,MP84843

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/11/25 08:19		Mohan	OK
2	S0.2	S0.2	CAL2	03/11/25 08:22		Mohan	OK
3	S2.5	S2.5	CAL3	03/11/25 08:24		Mohan	OK
4	S5	S5	CAL4	03/11/25 08:26		Mohan	OK
5	S7.5	S7.5	CAL5	03/11/25 08:29		Mohan	OK
6	S10	S10	CAL6	03/11/25 08:31		Mohan	OK
7	ICV36	ICV36	ICV	03/11/25 08:34		Mohan	OK
8	ICB36	ICB36	ICB	03/11/25 08:39		Mohan	OK
9	CCV80	CCV80	CCV	03/11/25 08:41		Mohan	OK
10	CCB80	CCB80	CCB	03/11/25 08:43		Mohan	OK
11	CRA	CRA	CRDL	03/11/25 08:51		Mohan	OK
12	HighStd	HighStd	HIGH STD	03/11/25 08:53		Mohan	OK
13	ChkStd	ChkStd	SAM	03/11/25 08:56		Mohan	OK
14	PB167064BL	PB167064BL	MB	03/11/25 09:01		Mohan	OK
15	PB167064BS	PB167064BS	LCS	03/11/25 09:05		Mohan	OK
16	Q1507-01	50-MIDDLESEX-AVE	SAM	03/11/25 09:07	High	Mohan	Dilution
17	Q1508-01	RBR251372	SAM	03/11/25 09:10		Mohan	OK
18	Q1514-01	ENV-105-SB01	SAM	03/11/25 09:12	High	Mohan	Dilution

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134978

Review By	Mohan	Review On	3/12/2025 11:53:01 AM
Supervise By	jaswal	Supervise On	3/12/2025 10:40:36 PM

STD. NAME	STD REF.#
ICAL Standard	MP84813,MP84814,MP84815,MP84816,MP84817,MP84818
ICV Standard	MP84819
CCV Standard	MP84821
ICSA Standard	
CRI Standard	MP84823
LCS Standard	
Chk Standard	MP84820,MP84822,MP84824,MP84843

19	Q1514-03	ENV-105-SB02	SAM	03/11/25 09:15		Mohan	OK
20	Q1514-05	ENV-103-SB01	SAM	03/11/25 09:18		Mohan	OK
21	CCV81	CCV81	CCV	03/11/25 09:20		Mohan	OK
22	CCB81	CCB81	CCB	03/11/25 09:22		Mohan	OK
23	Q1515-01	AU-06-030625	SAM	03/11/25 09:24		Mohan	OK
24	Q1524-01	72-11930-343-COMP	SAM	03/11/25 09:27	High	Mohan	Dilution
25	Q1524-02	VNJ-241	SAM	03/11/25 09:29		Mohan	OK
26	Q1524-02DUP	VNJ-241DUP	DUP	03/11/25 09:32		Mohan	OK
27	Q1524-02MS	VNJ-241MS	MS	03/11/25 09:37		Mohan	OK
28	Q1524-02MSD	VNJ-241MSD	MSD	03/11/25 09:39		Mohan	OK
29	Q1524-02L	VNJ-241L	SD	03/11/25 09:41		Mohan	OK
30	Q1524-02A	VNJ-241A	PS	03/11/25 09:44		Mohan	OK
31	Q1507-01DL	50-MIDDLESEX-AVE	SAM	03/11/25 09:46	Report 5X	Mohan	Confirms
32	Q1514-01DL	ENV-105-SB01DL	SAM	03/11/25 09:48	Report 5X	Mohan	Confirms
33	CCV82	CCV82	CCV	03/11/25 09:51		Mohan	OK
34	CCB82	CCB82	CCB	03/11/25 09:53		Mohan	OK
35	Q1524-01DL	72-11930-343-COMP	SAM	03/11/25 09:56	Report 5X	Mohan	Confirms
36	CCV83	CCV83	CCV	03/11/25 09:58		Mohan	OK
37	CCB83	CCB83	CCB	03/11/25 10:01		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/12/25 10:27		Kareem	OK
2	S1	S1	CAL2	03/12/25 10:31		Kareem	OK
3	S2	S2	CAL3	03/12/25 10:35		Kareem	OK
4	S3	S3	CAL4	03/12/25 10:39		Kareem	OK
5	S4	S4	CAL5	03/12/25 10:44		Kareem	OK
6	S5	S5	CAL6	03/12/25 10:48		Kareem	OK
7	ICV01	ICV01	ICV	03/12/25 10:52	ICV As,Be,Tl,Zn (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	03/12/25 10:56		Kareem	OK
9	ICB01	ICB01	ICB	03/12/25 11:01		Kareem	OK
10	CRI01	CRI01	CRDL	03/12/25 11:05		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/12/25 11:09		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/12/25 11:14		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/12/25 11:21		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/12/25 11:25		Kareem	OK
15	CCV01	CCV01	CCV	03/12/25 11:29		Kareem	OK
16	CCB01	CCB01	CCB	03/12/25 11:34		Kareem	OK
17	PB167037BL	PB167037BL	MB	03/12/25 11:38		Kareem	OK
18	PB167037BS	PB167037BS	LCS	03/12/25 11:42	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

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Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

19	PB166981BL	PB166981BL	MB	03/12/25 11:46		Kareem	OK
20	PB166981BS	PB166981BS	LCS	03/12/25 11:51	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
21	PB167038BL	PB167038BL	MB	03/12/25 11:55		Kareem	OK
22	PB167038BS	PB167038BS	LCS	03/12/25 11:59	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
23	PB167024BL	PB167024BL	MB	03/12/25 12:03		Kareem	OK
24	PB167024BS	PB167024BS	LCS	03/12/25 12:07	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
25	PB167100BL	PB167100BL	MB	03/12/25 12:11		Kareem	OK
26	PB167100BS	PB167100BS	LCS	03/12/25 12:16	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
27	CCV02	CCV02	CCV	03/12/25 12:20		Kareem	OK
28	CCB02	CCB02	CCB	03/12/25 12:24		Kareem	OK
29	PB166977BL	PB166977BL	MB	03/12/25 12:28		Kareem	OK
30	PB166977BS	PB166977BS	LCS	03/12/25 12:33	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
31	PB166963BL	PB166963BL	MB	03/12/25 12:37	Ba fail LCS	Kareem	Not Ok
32	PB166963BS	PB166963BS	LCS	03/12/25 12:41	Ba fail LCS	Kareem	Not Ok
33	Q1466-05	CITY WATER	SAM	03/12/25 12:49		Kareem	OK
34	Q1466-05DUP	CITY WATERDUP	DUP	03/12/25 12:53		Kareem	OK

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Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

35	Q1466-05L	CITY WATERL	SD	03/12/25 12:58		Kareem	OK
36	Q1466-05MS	CITY WATERMS	MS	03/12/25 13:02	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
37	Q1466-05MSD	CITY WATERMSD	MSD	03/12/25 13:06	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
38	CCV03	CCV03	CCV	03/12/25 13:10		Kareem	OK
39	CCB03	CCB03	CCB	03/12/25 13:14		Kareem	OK
40	Q1466-05A	CITY WATERA	PS	03/12/25 13:18	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
41	Q1507-01	50-MIDDLESEX-AVE	SAM	03/12/25 13:22		Kareem	OK
42	Q1508-01	RBR251372	SAM	03/12/25 13:27		Kareem	OK
43	Q1510-01	FMC-25-0001-0005	SAM	03/12/25 13:31		Kareem	OK
44	PB167098BL	PB167098BL	MB	03/12/25 13:59		Kareem	OK
45	PB167098BS	PB167098BS	LCS	03/12/25 14:03	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
46	PB167099BL	PB167099BL	MB	03/12/25 14:07		Kareem	OK
47	PB167099BS	PB167099BS	LCS	03/12/25 14:12	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
48	Q1515-01	AU-06-030625	SAM	03/12/25 14:16		Kareem	OK
49	Q1515-01DUP	AU-06-030625DUP	DUP	03/12/25 14:20		Kareem	OK
50	CCV04	CCV04	CCV	03/12/25 14:24		Kareem	OK

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Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

51	CCB04	CCB04	CCB	03/12/25 14:28		Kareem	OK
52	Q1540-01	OU4-CF-15R-031025	SAM	03/12/25 14:32		Kareem	OK
53	Q1540-01DUP	OU4-CF-15R-031025	DUP	03/12/25 14:37		Kareem	OK
54	Q1540-01L	OU4-CF-15R-031025	SD	03/12/25 14:41		Kareem	OK
55	Q1540-01A	OU4-CF-15R-031025	PS	03/12/25 14:58	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
56	PB167088TB	PB167088TB	MB	03/12/25 15:02		Kareem	OK
57	Q1545-01	BU-02-031125	SAM	03/12/25 15:06		Kareem	OK
58	Q1545-01DUP	BU-02-031125DUP	DUP	03/12/25 15:11		Kareem	OK
59	Q1545-01L	BU-02-031125L	SD	03/12/25 15:15		Kareem	OK
60	CCV05	CCV05	CCV	03/12/25 15:25		Kareem	OK
61	CCB05	CCB05	CCB	03/12/25 15:29		Kareem	OK
62	Q1545-01MS	BU-02-031125MS	MS	03/12/25 15:33	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
63	Q1545-01MSD	BU-02-031125MSD	MSD	03/12/25 15:37	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
64	Q1545-01A	BU-02-031125A	PS	03/12/25 15:41	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
65	Q1547-01	OR-620-JB-COMP-01	SAM	03/12/25 15:45		Kareem	OK
66	Q1547-06	OR-620-JB-COMP-02	SAM	03/12/25 15:49		Kareem	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

67	Q1549-01	72-11978	SAM	03/12/25 15:54		Kareem	OK
68	Q1515-01L	AU-06-030625L	SD	03/12/25 15:58		Kareem	OK
69	Q1515-01MS	AU-06-030625MS	MS	03/12/25 16:02	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
70	Q1515-01MSD	AU-06-030625MSD	MSD	03/12/25 16:06	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
71	Q1515-01A	AU-06-030625A	PS	03/12/25 16:10	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
72	CCV06	CCV06	CCV	03/12/25 16:25		Kareem	OK
73	CCB06	CCB06	CCB	03/12/25 16:30		Kareem	OK
74	Q1540-01MS	OU4-CF-15R-031025I	MS	03/12/25 16:34	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
75	Q1540-01MSD	OU4-CF-15R-031025I	MSD	03/12/25 16:38	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
76	Q1516-03	GAS-AUD-25-0026	SAM	03/12/25 16:42		Kareem	OK
77	Q1519-01	WATER TREATMENT	SAM	03/12/25 16:47		Kareem	OK
78	LR1	LR1	HIGH STD	03/12/25 16:53		Kareem	OK
79	LR2	LR2	HIGH STD	03/12/25 16:58		Kareem	OK
80	Q1517-01DL	MOO-25-0062DL	SAM	03/12/25 17:02		Kareem	OK
81	Q1522-02	TW-WTS-04	SAM	03/12/25 17:07		Kareem	OK
82	Q1522-02DUP	TW-WTS-04DUP	DUP	03/12/25 17:11		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

83	Q1522-02L	TW-WTS-04L	SD	03/12/25 17:16		Kareem	OK
84	CCV07	CCV07	CCV	03/12/25 17:25		Kareem	OK
85	CCB07	CCB07	CCB	03/12/25 17:30		Kareem	OK
86	Q1522-02MS	TW-WTS-04MS	MS	03/12/25 17:35	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
87	Q1522-02MSD	TW-WTS-04MSD	MSD	03/12/25 17:39	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
88	Q1522-02A	TW-WTS-04A	PS	03/12/25 17:43	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
89	Q1478-07	IDW-AQ-IW-03-COMP	SAM	03/12/25 17:47		Kareem	OK
90	Q1478-07DUP	IDW-AQ-IW-03-COMP	DUP	03/12/25 17:52		Kareem	OK
91	Q1478-07L	IDW-AQ-IW-03-COMP	SD	03/12/25 17:56		Kareem	OK
92	Q1478-07MS	IDW-AQ-IW-03-COMP	MS	03/12/25 18:00	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
93	Q1478-07MSD	IDW-AQ-IW-03-COMP	MSD	03/12/25 18:05	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
94	Q1478-07A	IDW-AQ-IW-03-COMP	PS	03/12/25 18:09	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
95	Q1478-01	IDW-AQ-MW-19B-CO	SAM	03/12/25 18:13		Kareem	OK
96	CCV08	CCV08	CCV	03/12/25 18:23		Kareem	OK
97	CCB08	CCB08	CCB	03/12/25 18:27		Kareem	OK

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Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

98	Q1478-03	IDW-AQ-IW-01-COMP	SAM	03/12/25 18:31		Kareem	OK
99	Q1478-05	IDW-AQ-IW-02-COMP	SAM	03/12/25 18:36		Kareem	OK
100	Q1477-01	RW7-SP100-2025022	SAM	03/12/25 18:40		Kareem	OK
101	Q1477-04	RW7-SP303-2025022	SAM	03/12/25 18:44		Kareem	OK
102	CCV09	CCV09	CCV	03/12/25 18:49		Kareem	OK
103	CCB09	CCB09	CCB	03/12/25 18:53		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135035

Review By	jaswal	Review On	3/14/2025 1:24:23 PM
Supervise By	Mohan	Supervise On	3/14/2025 1:33:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84846,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/13/25 11:42		Kareem	OK
2	S1	S1	CAL2	03/13/25 11:46		Kareem	OK
3	S2	S2	CAL3	03/13/25 11:50		Kareem	OK
4	S3	S3	CAL4	03/13/25 11:54		Kareem	OK
5	S4	S4	CAL5	03/13/25 11:59		Kareem	OK
6	S5	S5	CAL6	03/13/25 12:03		Kareem	OK
7	ICV01	ICV01	ICV	03/13/25 12:07		Kareem	OK
8	LLICV01	LLICV01	LLICV	03/13/25 12:13		Kareem	OK
9	ICB01	ICB01	ICB	03/13/25 12:17		Kareem	OK
10	CRI01	CRI01	CRDL	03/13/25 12:21		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/13/25 12:25		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/13/25 12:30		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/13/25 12:34		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/13/25 12:38		Kareem	OK
15	CCV01	CCV01	CCV	03/13/25 12:53		Kareem	OK
16	CCB01	CCB01	CCB	03/13/25 12:58		Kareem	OK
17	PB166963BL	PB166963BL	MB	03/13/25 13:02		Kareem	OK
18	PB166963BS	PB166963BS	LCS	03/13/25 13:06		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135035

Review By	jaswal	Review On	3/14/2025 1:24:23 PM
Supervise By	Mohan	Supervise On	3/14/2025 1:33:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84846,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

19	PB167116BL	PB167116BL	MB	03/13/25 13:10		Kareem	OK
20	PB167116BS	PB167116BS	LCS	03/13/25 13:15		Kareem	OK
21	Q1485-01	DN-B-41	SAM	03/13/25 13:19		Kareem	OK
22	Q1486-01	DN-B-40	SAM	03/13/25 13:23		Kareem	OK
23	Q1487-01	DN-B-42	SAM	03/13/25 13:27		Kareem	OK
24	Q1488-04	ENV-101-SB02	SAM	03/13/25 13:31		Kareem	OK
25	Q1488-06	ENV-102-SB01	SAM	03/13/25 13:35		Kareem	OK
26	Q1488-08	ENV-102-SB02	SAM	03/13/25 13:40		Kareem	OK
27	CCV02	CCV02	CCV	03/13/25 13:49		Kareem	OK
28	CCB02	CCB02	CCB	03/13/25 13:54		Kareem	OK
29	Q1488-10	ENV-104-SB01	SAM	03/13/25 13:58		Kareem	OK
30	Q1488-12	ENV-104-SB02	SAM	03/13/25 14:02		Kareem	OK
31	Q1488-14	ENV-104-GW01	SAM	03/13/25 14:07		Kareem	OK
32	Q1488-01	ENV-101-SB01	SAM	03/13/25 14:11		Kareem	OK
33	Q1488-03	ENV-101-SB02	SAM	03/13/25 14:15		Kareem	OK
34	Q1488-05	ENV-102-SB01	SAM	03/13/25 14:19		Kareem	OK
35	Q1488-07	ENV-102-SB02	SAM	03/13/25 14:23		Kareem	OK
36	Q1488-09	ENV-104-SB01	SAM	03/13/25 14:27		Kareem	OK
37	Q1488-11	ENV-104-SB02	SAM	03/13/25 14:31		Kareem	OK
38	Q1491-02	COMP	SAM	03/13/25 14:35		Kareem	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB135035

Review By	jaswal	Review On	3/14/2025 1:24:23 PM
Supervise By	Mohan	Supervise On	3/14/2025 1:33:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84846,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

39	CCV03	CCV03	CCV	03/13/25 14:40		Kareem	OK
40	CCB03	CCB03	CCB	03/13/25 14:48		Kareem	OK
41	Q1495-01	001-WILLETS-PT-BL	SAM	03/13/25 14:53		Kareem	OK
42	Q1495-02	002-35TH-AVE(MAR)	SAM	03/13/25 14:57		Kareem	OK
43	Q1514-02	ENV-105-SB01	SAM	03/13/25 15:01		Kareem	OK
44	Q1514-04	ENV-105-SB02	SAM	03/13/25 15:06		Kareem	OK
45	Q1514-06	ENV-103-SB01	SAM	03/13/25 15:10		Kareem	OK
46	Q1514-06DUP	ENV-103-SB01DUP	DUP	03/13/25 15:15		Kareem	OK
47	Q1514-06L	ENV-103-SB01L	SD	03/13/25 15:19		Kareem	OK
48	Q1514-06MS	ENV-103-SB01MS	MS	03/13/25 15:23		Kareem	OK
49	Q1514-06MSD	ENV-103-SB01MSD	MSD	03/13/25 15:28		Kareem	OK
50	Q1514-06A	ENV-103-SB01A	PS	03/13/25 15:34		Kareem	OK
51	CCV04	CCV04	CCV	03/13/25 15:38		Kareem	OK
52	CCB04	CCB04	CCB	03/13/25 15:42		Kareem	OK
53	Q1514-08	ENV-103-GW01	SAM	03/13/25 15:46		Kareem	OK
54	Q1514-09	FB03062025	SAM	03/13/25 15:51		Kareem	OK
55	Q1514-01	ENV-105-SB01	SAM	03/13/25 15:55		Kareem	OK
56	Q1514-03	ENV-105-SB02	SAM	03/13/25 15:59		Kareem	OK
57	Q1514-05	ENV-103-SB01	SAM	03/13/25 16:03		Kareem	OK
58	Q1525-01	MW10	SAM	03/13/25 16:08	Mn high	Kareem	Dilution

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135035

Review By	jaswal	Review On	3/14/2025 1:24:23 PM
Supervise By	Mohan	Supervise On	3/14/2025 1:33:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84846,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

59	Q1552-01	NB-418-JB-COMP-01	SAM	03/13/25 16:12		Kareem	OK
60	Q1553-01	RT2321	SAM	03/13/25 16:16		Kareem	OK
61	Q1556-01	OR-02-031225	SAM	03/13/25 16:20	MS,MSD fail for many parameters	Kareem	Not Ok
62	Q1556-01DUP	OR-02-031225DUP	DUP	03/13/25 16:24	MS,MSD fail for many parameters	Kareem	Not Ok
63	CCV05	CCV05	CCV	03/13/25 16:28		Kareem	OK
64	CCB05	CCB05	CCB	03/13/25 16:32		Kareem	OK
65	Q1556-01L	OR-02-031225L	SD	03/13/25 16:37	MS,MSD fail for many parameters	Kareem	Not Ok
66	Q1556-01MS	OR-02-031225MS	MS	03/13/25 16:41	Fail for many parameters	Kareem	Not Ok
67	Q1556-01MSD	OR-02-031225MSD	MSD	03/13/25 16:45	Fail for many parameters	Kareem	Not Ok
68	Q1556-01A	OR-02-031225A	PS	03/13/25 16:49	MS,MSD fail for many parameters	Kareem	Not Ok
69	LR1	LR1	HIGH STD	03/13/25 16:53		Kareem	OK
70	LR2	LR2	HIGH STD	03/13/25 16:58		Kareem	OK
71	PB167103TB	PB167103TB	MB	03/13/25 17:04		Kareem	OK
72	Q1547-05	OR-620-JB-COMP-01	SAM	03/13/25 17:08		Kareem	OK
73	Q1547-05DUP	OR-620-JB-COMP-01	DUP	03/13/25 17:13		Kareem	OK
74	Q1547-05L	OR-620-JB-COMP-01	SD	03/13/25 17:17		Kareem	OK
75	CCV06	CCV06	CCV	03/13/25 17:21		Kareem	OK
76	CCB06	CCB06	CCB	03/13/25 17:25		Kareem	OK
77	Q1547-05MS	OR-620-JB-COMP-01	MS	03/13/25 17:30		Kareem	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135035

Review By	jaswal	Review On	3/14/2025 1:24:23 PM
Supervise By	Mohan	Supervise On	3/14/2025 1:33:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84846,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

78	Q1547-05MSD	OR-620-JB-COMP-01	MSD	03/13/25 17:34		Kareem	OK
79	Q1547-05A	OR-620-JB-COMP-01	PS	03/13/25 17:38		Kareem	OK
80	Q1547-10	OR-620-JB-COMP-02	SAM	03/13/25 17:42		Kareem	OK
81	Q1552-05	NB-418-JB-COMP-01	SAM	03/13/25 17:47		Kareem	OK
82	PB167117BL	PB167117BL	MB	03/13/25 17:51		Kareem	OK
83	PB167117BS	PB167117BS	LCS	03/13/25 17:55		Kareem	OK
84	Q1525-01DL	MW10DL	SAM	03/13/25 17:59	5X for Mn	Kareem	Confirms
85	Q1488-13DL	ENV-102-GW01DL	SAM	03/13/25 18:04	10X for Ag	Kareem	Confirms
86	Q1514-07DL	ENV-105-GW01DL	SAM	03/13/25 18:08	10X for Ca,Ag,Fe	Kareem	Confirms
87	CCV07	CCV07	CCV	03/13/25 18:12		Kareem	OK
88	CCB07	CCB07	CCB	03/13/25 18:35		Kareem	OK
89	Q1488-13	ENV-102-GW01	SAM	03/13/25 18:39	Ag oversaturated	Kareem	Dilution
90	Q1514-07	ENV-105-GW01	SAM	03/13/25 18:44	Ag oversaturated,Ca,Fe high	Kareem	Dilution
91	Q1488-13REDL	ENV-102-GW01RE	SAM	03/13/25 18:49	Not used	Kareem	Not Ok
92	CCV08	CCV08	CCV	03/13/25 18:53		Kareem	OK
93	CCB08	CCB08	CCB	03/13/25 19:03		Kareem	OK
94	Q1528-02	22725	SAM	03/13/25 19:07		Kareem	OK
95	CCV09	CCV09	CCV	03/13/25 19:12		Kareem	OK
96	CCB09	CCB09	CCB	03/13/25 19:21		Kareem	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB167024

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: 03/07/2025 **Time :** 09:20 **Temp :** 96 °C

End Digest Date: 03/07/2025 **Time :** 11:30 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #5

Dig Technician Signature: jgp

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6003
LFS-2	1.00	M6011
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00	MP84041
Conc. HNO3	5.00	M6126
30% H2O2	3.00	M6125
Conc. HCL	10.00	M6151
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 :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/7/25 12:00	jgp / Met dig.	
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB167024

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB167024BL	PBS024	N/A	2.31	100	Colorless	Colorless	Fine	N/A	N/A	1
PB167024BS	LCS024	N/A	2.31	100	Colorless	Colorless	Fine	N/A	M6003,M6011	2
Q1507-01	50-MIDDLESEX-AVE	N/A	2.37	100	Brown	Yellow	Medium	N/A	N/A	3
Q1508-01	RBR251372	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	4
Q1514-01	ENV-105-SB01	N/A	2.41	100	Brown	Yellow	Medium	N/A	N/A	5
Q1514-03	ENV-105-SB02	N/A	2.32	100	Brown	Yellow	Medium	N/A	N/A	6
Q1514-05	ENV-103-SB01	N/A	2.29	100	Brown	Yellow	Medium	N/A	N/A	7
Q1515-01	AU-06-030625	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	8
Q1515-01MS	AU-06-030625MS	N/A	2.25	100	Brown	Yellow	Medium	N/A	M6003,M6011	10
Q1515-01MSD	AU-06-030625MSD	N/A	2.36	100	Brown	Yellow	Medium	N/A	M6003,M6011	11
Q1515-01DUP	AU-06-030625DUP	N/A	2.37	100	Brown	Yellow	Medium	N/A	N/A	9

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB167034

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 03/07/2025 **Time :** 14:40 **Temp :** 95 °C

End Digest Date: 03/07/2025 **Time :** 16:40 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: NB

Supervisor Signature: N2

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84799
CCV	30mL	MP84801
CRA	30mL	MP84803
Blank Spike	0.48mL	MP84792
Matrix Spike	0.48mL	MP84792

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP84563
KMnO4 (5%)	4.5mL	MP84564
K2S2O8 (5%)	2.5mL	MP84565
Hydroxylamine HCL (12%)	2.0mL	MP84566
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP84793
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84794
2.5 ppb	S2.5	30mL	MP84795
5.0 ppb	S5.0	30mL	MP84796
7.5 ppb	S7.5	30mL	MP84797
10.0 ppb	S10.0	30mL	MP84798
ICV	ICV	30mL	MP84799
ICB	ICB	30mL	MP84800
CCV	CCV	30mL	MP84801
CCB	CCB	30mL	MP84802
CRI	CRI	30mL	MP84803
CHK STD	CHK STD	30mL	MP84804

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/7/25 @ 17:10	NB – Prep Lab	NB – Analysis Lab
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB167034

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB167034BL	PBW034	30	30	<2	N/A	3-21
PB167034BS	LCS034	30	30	<2	MP84792	22
Q1478-01DUP	IDW-AQ-MW-19B-COMP-022825DUP	30	30	<2	N/A	24
Q1478-01MS	IDW-AQ-MW-19B-COMP-022825MS	30	30	<2	MP84792	25
Q1478-01MSD	IDW-AQ-MW-19B-COMP-022825MSD	30	30	<2	MP84792	26
Q1478-01	IDW-AQ-MW-19B-COMP-022825	30	30	<2	N/A	23
Q1478-03	IDW-AQ-IW-01-COMP-022825	30	30	<2	N/A	27
Q1478-05	IDW-AQ-IW-02-COMP-022825	30	30	<2	N/A	28
Q1478-07	IDW-AQ-IW-03-COMP-022825	30	30	<2	N/A	29
Q1494-01	PURGE-WATER	30	30	<2	N/A	30
Q1514-07	ENV-105-GW01	30	30	<2	N/A	31
Q1514-08	ENV-103-GW01	30	30	<2	N/A	32
Q1514-09	FB03062025	30	30	<2	N/A	33
Q1516-03	GAS-AUD-25-0026	30	30	<2	N/A	34
Q1517-01	MOO-25-0062	30	30	<2	N/A	35

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB167038

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: 03/10/2025 **Time :** 08:55 **Temp :** 96 °C

End Digest Date: 03/10/2025 **Time :** 12:05 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6003
LFS-1	0.25	M6011
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6126
1:1 HCL	5.00	MP84720
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK # 1 CELL 55 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/10/25 13:05	SPD. met-dig.	
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB167038

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB167038BL	PBW038	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB167038BS	LCS038	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	2
Q1514-07	ENV-105-GW01	<2	50	25	Brown	Brown	Cloudy	Clear	N/A	3
Q1514-08	ENV-103-GW01	<2	50	25	Brown	Brown	Cloudy	Clear	N/A	4
Q1514-09	FB03062025	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
Q1516-03	GAS-AUD-25-0026	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
Q1517-01	MOO-25-0062	<2	50	25	Pink	Pink	Clear	Clear	N/A	7
Q1519-01	WATER TREATMENT DISCHARGE	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	8
Q1522-02	TW-WTS-04	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	9
Q1522-02MS	TW-WTS-04MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	11
Q1522-02MSD	TW-WTS-04MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	12
Q1522-02DUP	TW-WTS-04DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	10
Q1525-01	MW10	<2	50	25	Light Brown	Colorless	Cloudy	Clear	N/A	13

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB167064

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 03/10/2025 **Time :** 09:25 **Temp :** 94 °C

End Digest Date: 03/10/2025 **Time :** 09:55 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84819
CCV	30mL	MP84821
CRA	30mL	MP84823
Blank Spike	0.48mL	MP84812
Matrix Spike	0.48mL	MP84812

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP84825
KMnO4 (5%)	4.5mL	MP84564
Hydroxylamine HCL (12%)	2.0mL	MP84566
TCLP-FLUID-1	----------	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	MP84813
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84814
2.5 ppb	S2.5	30mL	MP84815
5.0 ppb	S5.0	30mL	MP84816
7.5 ppb	S7.5	30mL	MP84817
10.0 ppb	S10.0	30mL	MP84818
ICV	ICV	30mL	MP84819
ICB	ICB	30mL	MP84820
CCV	CCV	30mL	MP84821
CCB	CCB	30mL	MP84822
CRI	CRI	30mL	MP84823
CHK STD	CHK STD	30mL	MP84824

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/10/25 @ 10:35	HG- Dig. Lab	HG- metal lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB167064

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB167064BL	PBS064	0.56	35	NA	N/A	3-1
PB167064BS	LCS064	0.57	35	NA	MP84812	2
Q1507-01	50-MIDDLESEX-AVE	0.51	35	NA	N/A	3
Q1508-01	RBR251372	0.50	35	NA	N/A	4
Q1514-01	ENV-105-SB01	0.52	35	NA	N/A	5
Q1514-03	ENV-105-SB02	0.58	35	NA	N/A	6
Q1514-05	ENV-103-SB01	0.56	35	NA	N/A	7
Q1515-01	AU-06-030625	0.53	35	NA	N/A	8
Q1524-01	72-11930-343-COMP	0.53	35	NA	N/A	9
Q1524-02	VNJ-241	0.56	35	NA	N/A	10
Q1524-02DUP	VNJ-241DUP	0.58	35	NA	N/A	11
Q1524-02MS	VNJ-241MS	0.57	35	NA	MP84812	12
Q1524-02MSD	VNJ-241MSD	0.58	35	NA	MP84812	13

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

Hit Summary Sheet
SW-846

SDG No.: Q1514 **Order ID:** Q1514

Client: Portal Partners Tri-Venture **Project ID:** Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : ENV-105-SB01								
Q1514-02	ENV-105-SB01	TCLP	Barium	1160		62.8	500	ug/L
Q1514-02	ENV-105-SB01	TCLP	Cadmium	2.39	J	0.94	30.0	ug/L
Q1514-02	ENV-105-SB01	TCLP	Lead	357		35.1	60.0	ug/L
Client ID : ENV-105-SB02								
Q1514-04	ENV-105-SB02	TCLP	Barium	803		62.8	500	ug/L
Q1514-04	ENV-105-SB02	TCLP	Lead	59.3	J	35.1	60.0	ug/L
Client ID : ENV-103-SB01								
Q1514-06	ENV-103-SB01	TCLP	Barium	460	J	62.8	500	ug/L
Q1514-06	ENV-103-SB01	TCLP	Cadmium	1.36	J	0.94	30.0	ug/L
Q1514-06	ENV-103-SB01	TCLP	Chromium	7.21	J	6.60	50.0	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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-02	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	03/10/25 12:05	03/13/25 15:01	SW6010	SW3050
7440-39-3	Barium	1160		1	62.8	500	ug/L	03/10/25 12:05	03/13/25 15:01	SW6010	SW3050
7440-43-9	Cadmium	2.39	J	1	0.94	30.0	ug/L	03/10/25 12:05	03/13/25 15:01	SW6010	SW3050
7440-47-3	Chromium	6.60	U	1	6.60	50.0	ug/L	03/10/25 12:05	03/13/25 15:01	SW6010	SW3050
7439-92-1	Lead	357		1	35.1	60.0	ug/L	03/10/25 12:05	03/13/25 15:01	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	03/07/25 14:40	03/10/25 11:27	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	03/10/25 12:05	03/13/25 15:01	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	03/10/25 12:05	03/13/25 15:01	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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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-04	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	03/10/25 12:05	03/13/25 15:06	SW6010	SW3050
7440-39-3	Barium	803		1	62.8	500	ug/L	03/10/25 12:05	03/13/25 15:06	SW6010	SW3050
7440-43-9	Cadmium	0.94	U	1	0.94	30.0	ug/L	03/10/25 12:05	03/13/25 15:06	SW6010	SW3050
7440-47-3	Chromium	6.60	U	1	6.60	50.0	ug/L	03/10/25 12:05	03/13/25 15:06	SW6010	SW3050
7439-92-1	Lead	59.3	J	1	35.1	60.0	ug/L	03/10/25 12:05	03/13/25 15:06	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	03/07/25 14:40	03/10/25 11:30	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	03/10/25 12:05	03/13/25 15:06	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	03/10/25 12:05	03/13/25 15:06	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP-FULL				

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MDL = Method Detection Limit
LOD = Limit of Detection
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-06	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	03/10/25 12:05	03/13/25 15:10	SW6010	SW3050
7440-39-3	Barium	460	J	1	62.8	500	ug/L	03/10/25 12:05	03/13/25 15:10	SW6010	SW3050
7440-43-9	Cadmium	1.36	J	1	0.94	30.0	ug/L	03/10/25 12:05	03/13/25 15:10	SW6010	SW3050
7440-47-3	Chromium	7.21	J	1	6.60	50.0	ug/L	03/10/25 12:05	03/13/25 15:10	SW6010	SW3050
7439-92-1	Lead	35.1	U	1	35.1	60.0	ug/L	03/10/25 12:05	03/13/25 15:10	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	03/07/25 14:40	03/10/25 11:39	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	03/10/25 12:05	03/13/25 15:10	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	03/10/25 12:05	03/13/25 15:10	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP-FULL				

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LOD = Limit of Detection
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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB35	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	10:26	LB134958

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB75	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	10:39	LB134958
CCB76	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	11:11	LB134958
CCB77	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	11:53	LB134958
CCB78	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	12:26	LB134958
CCB79	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	12:47	LB134958
CCB80	Mercury	0.20	+/-0.20	U	0.20	CV	03/10/2025	13:12	LB134958

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	10:58	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	10:58	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	10:58	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	10:58	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	10:58	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	10:58	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	10:58	LB134987

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	11:34	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	11:34	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	11:34	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	11:34	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	11:34	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	11:34	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	11:34	LB134987
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	12:23	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	12:23	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	12:23	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	12:23	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	12:23	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	12:23	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	12:23	LB134987
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	13:14	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	13:14	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	13:14	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	13:14	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	13:14	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	13:14	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	13:14	LB134987
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	14:13	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	14:13	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	14:13	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	14:13	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	14:13	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	14:13	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	14:13	LB134987
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	15:04	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	15:04	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	15:04	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	15:04	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	15:04	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	15:04	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	15:04	LB134987
CCB06	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	15:54	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	15:54	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	15:54	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	15:54	LB134987

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/11/2025	15:54	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	15:54	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	15:54	LB134987
CCB07	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	16:46	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	16:46	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	16:46	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	16:46	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	16:46	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	16:46	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	16:46	LB134987
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	17:38	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	17:38	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	17:38	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	17:38	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	17:38	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	17:38	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	17:38	LB134987
CCB09	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	18:30	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	18:30	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	18:30	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	18:30	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	18:30	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	18:30	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	18:30	LB134987
CCB10	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	19:18	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	19:18	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	19:18	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	19:18	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	19:18	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	19:18	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	19:18	LB134987
CCB11	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	19:31	LB134987
	Barium	100	+/-100	U	100	P	03/11/2025	19:31	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	19:31	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	19:31	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	19:31	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	19:31	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	19:31	LB134987
CCB12	Arsenic	20.0	+/-20.0	U	20.0	P	03/11/2025	19:49	LB134987

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB12	Barium	100	+/-100	U	100	P	03/11/2025	19:49	LB134987
	Cadmium	6.00	+/-6.00	U	6.00	P	03/11/2025	19:49	LB134987
	Chromium	10.0	+/-10.0	U	10.0	P	03/11/2025	19:49	LB134987
	Lead	12.0	+/-12.0	U	12.0	P	03/11/2025	19:49	LB134987
	Selenium	20.0	+/-20.0	U	20.0	P	03/11/2025	19:49	LB134987
	Silver	10.0	+/-10.0	U	10.0	P	03/11/2025	19:49	LB134987

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	11:01	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	11:01	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	11:01	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	11:01	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	11:01	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	11:01	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	11:01	LB135011

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	11:34	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	11:34	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	11:34	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	11:34	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	11:34	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	11:34	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	11:34	LB135011
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	12:24	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	12:24	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	12:24	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	12:24	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	12:24	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	12:24	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	12:24	LB135011
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	13:14	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	13:14	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	13:14	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	13:14	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	13:14	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	13:14	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	13:14	LB135011
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	14:28	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	14:28	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	14:28	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	14:28	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	14:28	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	14:28	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	14:28	LB135011
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	15:29	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	15:29	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	15:29	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	15:29	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	15:29	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	15:29	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	15:29	LB135011
CCB06	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	16:30	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	16:30	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	16:30	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	16:30	LB135011

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/12/2025	16:30	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	16:30	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	16:30	LB135011
CCB07	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	17:30	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	17:30	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	17:30	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	17:30	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	17:30	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	17:30	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	17:30	LB135011
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	18:27	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	18:27	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	18:27	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	18:27	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	18:27	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	18:27	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	18:27	LB135011
CCB09	Arsenic	20.0	+/-20.0	U	20.0	P	03/12/2025	18:53	LB135011
	Barium	100	+/-100	U	100	P	03/12/2025	18:53	LB135011
	Cadmium	6.00	+/-6.00	U	6.00	P	03/12/2025	18:53	LB135011
	Chromium	10.0	+/-10.0	U	10.0	P	03/12/2025	18:53	LB135011
	Lead	12.0	+/-12.0	U	12.0	P	03/12/2025	18:53	LB135011
	Selenium	20.0	+/-20.0	U	20.0	P	03/12/2025	18:53	LB135011
	Silver	10.0	+/-10.0	U	10.0	P	03/12/2025	18:53	LB135011

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	12:17	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	12:17	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	12:17	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	12:17	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	12:17	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	12:17	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	12:17	LB135035

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	12:58	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	12:58	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	12:58	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	12:58	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	12:58	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	12:58	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	12:58	LB135035
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	13:54	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	13:54	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	13:54	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	13:54	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	13:54	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	13:54	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	13:54	LB135035
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	14:48	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	14:48	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	14:48	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	14:48	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	14:48	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	14:48	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	14:48	LB135035
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	15:42	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	15:42	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	15:42	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	15:42	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	15:42	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	15:42	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	15:42	LB135035
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	16:32	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	16:32	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	16:32	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	16:32	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	16:32	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	16:32	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	16:32	LB135035
CCB06	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	17:25	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	17:25	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	17:25	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	17:25	LB135035

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/13/2025	17:25	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	17:25	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	17:25	LB135035
CCB07	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	18:35	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	18:35	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	18:35	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	18:35	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	18:35	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	18:35	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	18:35	LB135035
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	19:03	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	19:03	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	19:03	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	19:03	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	19:03	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	19:03	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	19:03	LB135035
CCB09	Arsenic	20.0	+/-20.0	U	20.0	P	03/13/2025	19:21	LB135035
	Barium	100	+/-100	U	100	P	03/13/2025	19:21	LB135035
	Cadmium	6.00	+/-6.00	U	6.00	P	03/13/2025	19:21	LB135035
	Chromium	10.0	+/-10.0	U	10.0	P	03/13/2025	19:21	LB135035
	Lead	12.0	+/-12.0	U	12.0	P	03/13/2025	19:21	LB135035
	Selenium	20.0	+/-20.0	U	20.0	P	03/13/2025	19:21	LB135035
	Silver	10.0	+/-10.0	U	10.0	P	03/13/2025	19:21	LB135035

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Metals
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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167020TB		**WATER**		**Batch Number:**	**PB167033**		**Prep Date:**	**03/07/2025**	
	Mercury	2.00	<2.00	U	2.00	CV	03/10/2025	12:49	LB134958

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167033BL		**WATER**		**Batch Number:**	**PB167033**		**Prep Date:**	**03/07/2025**	
	Mercury	0.20	<0.20	U	0.20	CV	03/10/2025	10:53	LB134958

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Metals
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PREPARATION BLANK SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167020TB		**WATER**		**Batch Number:**	**PB167037**		**Prep Date:**	**03/10/2025**	
	Arsenic	100	<100	U	100	P	03/11/2025	18:55	LB134987
	Barium	500	<500	U	500	P	03/11/2025	18:55	LB134987
	Cadmium	30.0	<30.0	U	30.0	P	03/11/2025	18:55	LB134987
	Chromium	50.0	<50.0	U	50.0	P	03/11/2025	18:55	LB134987
	Lead	60.0	<60.0	U	60.0	P	03/11/2025	18:55	LB134987
	Selenium	100	<100	U	100	P	03/11/2025	18:55	LB134987
	Silver	50.0	<50.0	U	50.0	P	03/11/2025	18:55	LB134987

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167037BL		**WATER**		**Batch Number:**	**PB167037**		**Prep Date:**	**03/10/2025**	
	Arsenic	100	<100	U	100	P	03/12/2025	11:38	LB135011
	Barium	500	<500	U	500	P	03/12/2025	11:38	LB135011
	Cadmium	30.0	<30.0	U	30.0	P	03/12/2025	11:38	LB135011
	Chromium	50.0	<50.0	U	50.0	P	03/12/2025	11:38	LB135011
	Lead	60.0	<60.0	U	60.0	P	03/12/2025	11:38	LB135011
	Selenium	100	<100	U	100	P	03/12/2025	11:38	LB135011
	Silver	50.0	<50.0	U	50.0	P	03/12/2025	11:38	LB135011

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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
ICV35	Mercury	4.01	4.0	100	90 - 110	CV	03/10/2025	10:22	LB134958

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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
CCV75	Mercury	4.61	5.0	92	90 - 110	CV	03/10/2025	10:34	LB134958
CCV76	Mercury	4.87	5.0	97	90 - 110	CV	03/10/2025	11:09	LB134958
CCV77	Mercury	5.16	5.0	103	90 - 110	CV	03/10/2025	11:48	LB134958
CCV78	Mercury	5.20	5.0	104	90 - 110	CV	03/10/2025	12:18	LB134958
CCV79	Mercury	5.06	5.0	101	90 - 110	CV	03/10/2025	12:45	LB134958
CCV80	Mercury	5.43	5.0	109	90 - 110	CV	03/10/2025	13:10	LB134958

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	1040	1000	104	90 - 110	P	03/11/2025	10:50	LB134987
	Barium	543	520	104	90 - 110	P	03/11/2025	10:50	LB134987
	Cadmium	511	510	100	90 - 110	P	03/11/2025	10:50	LB134987
	Chromium	527	520	101	90 - 110	P	03/11/2025	10:50	LB134987
	Lead	1020	1000	102	90 - 110	P	03/11/2025	10:50	LB134987
	Selenium	1040	1000	104	90 - 110	P	03/11/2025	10:50	LB134987
	Silver	259	250	104	90 - 110	P	03/11/2025	10:50	LB134987

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	21.2	20.0	106	80 - 120	P	03/11/2025	10:54	LB134987
	Barium	94.6	100	95	80 - 120	P	03/11/2025	10:54	LB134987
	Cadmium	5.80	6.0	97	80 - 120	P	03/11/2025	10:54	LB134987
	Chromium	10.2	10.0	102	80 - 120	P	03/11/2025	10:54	LB134987
	Lead	12.0	12.0	100	80 - 120	P	03/11/2025	10:54	LB134987
	Selenium	20.5	20.0	102	80 - 120	P	03/11/2025	10:54	LB134987
	Silver	10.4	10.0	104	80 - 120	P	03/11/2025	10:54	LB134987

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	5010	5000	100	90 - 110	P	03/11/2025	11:29	LB134987
	Barium	10200	10000	102	90 - 110	P	03/11/2025	11:29	LB134987
	Cadmium	2520	2500	101	90 - 110	P	03/11/2025	11:29	LB134987
	Chromium	1010	1000	101	90 - 110	P	03/11/2025	11:29	LB134987
	Lead	5030	5000	101	90 - 110	P	03/11/2025	11:29	LB134987
	Selenium	4990	5000	100	90 - 110	P	03/11/2025	11:29	LB134987
	Silver	1270	1250	101	90 - 110	P	03/11/2025	11:29	LB134987
CCV02	Arsenic	5150	5000	103	90 - 110	P	03/11/2025	12:19	LB134987
	Barium	9970	10000	100	90 - 110	P	03/11/2025	12:19	LB134987
	Cadmium	2570	2500	103	90 - 110	P	03/11/2025	12:19	LB134987
	Chromium	1040	1000	104	90 - 110	P	03/11/2025	12:19	LB134987
	Lead	5120	5000	102	90 - 110	P	03/11/2025	12:19	LB134987
	Selenium	5170	5000	103	90 - 110	P	03/11/2025	12:19	LB134987
	Silver	1300	1250	104	90 - 110	P	03/11/2025	12:19	LB134987
CCV03	Arsenic	4860	5000	97	90 - 110	P	03/11/2025	13:10	LB134987
	Barium	9710	10000	97	90 - 110	P	03/11/2025	13:10	LB134987
	Cadmium	2430	2500	97	90 - 110	P	03/11/2025	13:10	LB134987
	Chromium	964	1000	96	90 - 110	P	03/11/2025	13:10	LB134987
	Lead	4830	5000	97	90 - 110	P	03/11/2025	13:10	LB134987
	Selenium	4840	5000	97	90 - 110	P	03/11/2025	13:10	LB134987
	Silver	1230	1250	98	90 - 110	P	03/11/2025	13:10	LB134987
CCV04	Arsenic	4940	5000	99	90 - 110	P	03/11/2025	14:08	LB134987
	Barium	10100	10000	101	90 - 110	P	03/11/2025	14:08	LB134987
	Cadmium	2470	2500	99	90 - 110	P	03/11/2025	14:08	LB134987
	Chromium	965	1000	96	90 - 110	P	03/11/2025	14:08	LB134987
	Lead	4880	5000	98	90 - 110	P	03/11/2025	14:08	LB134987
	Selenium	4920	5000	98	90 - 110	P	03/11/2025	14:08	LB134987
	Silver	1240	1250	100	90 - 110	P	03/11/2025	14:08	LB134987
CCV05	Arsenic	4810	5000	96	90 - 110	P	03/11/2025	15:00	LB134987
	Barium	9610	10000	96	90 - 110	P	03/11/2025	15:00	LB134987
	Cadmium	2400	2500	96	90 - 110	P	03/11/2025	15:00	LB134987
	Chromium	934	1000	93	90 - 110	P	03/11/2025	15:00	LB134987
	Lead	4760	5000	95	90 - 110	P	03/11/2025	15:00	LB134987
	Selenium	4790	5000	96	90 - 110	P	03/11/2025	15:00	LB134987

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	1190	1250	96	90 - 110	P	03/11/2025	15:00	LB134987
CCV06	Arsenic	4820	5000	96	90 - 110	P	03/11/2025	15:50	LB134987
	Barium	9620	10000	96	90 - 110	P	03/11/2025	15:50	LB134987
	Cadmium	2430	2500	97	90 - 110	P	03/11/2025	15:50	LB134987
	Chromium	956	1000	96	90 - 110	P	03/11/2025	15:50	LB134987
	Lead	4800	5000	96	90 - 110	P	03/11/2025	15:50	LB134987
	Selenium	4770	5000	96	90 - 110	P	03/11/2025	15:50	LB134987
	Silver	1230	1250	98	90 - 110	P	03/11/2025	15:50	LB134987
CCV07	Arsenic	4920	5000	98	90 - 110	P	03/11/2025	16:42	LB134987
	Barium	9730	10000	97	90 - 110	P	03/11/2025	16:42	LB134987
	Cadmium	2460	2500	98	90 - 110	P	03/11/2025	16:42	LB134987
	Chromium	956	1000	96	90 - 110	P	03/11/2025	16:42	LB134987
	Lead	4850	5000	97	90 - 110	P	03/11/2025	16:42	LB134987
	Selenium	4910	5000	98	90 - 110	P	03/11/2025	16:42	LB134987
	Silver	1230	1250	98	90 - 110	P	03/11/2025	16:42	LB134987
CCV08	Arsenic	4940	5000	99	90 - 110	P	03/11/2025	17:34	LB134987
	Barium	9820	10000	98	90 - 110	P	03/11/2025	17:34	LB134987
	Cadmium	2480	2500	99	90 - 110	P	03/11/2025	17:34	LB134987
	Chromium	955	1000	96	90 - 110	P	03/11/2025	17:34	LB134987
	Lead	4880	5000	98	90 - 110	P	03/11/2025	17:34	LB134987
	Selenium	4930	5000	99	90 - 110	P	03/11/2025	17:34	LB134987
	Silver	1230	1250	98	90 - 110	P	03/11/2025	17:34	LB134987
CCV09	Arsenic	5030	5000	101	90 - 110	P	03/11/2025	18:26	LB134987
	Barium	9800	10000	98	90 - 110	P	03/11/2025	18:26	LB134987
	Cadmium	2520	2500	101	90 - 110	P	03/11/2025	18:26	LB134987
	Chromium	971	1000	97	90 - 110	P	03/11/2025	18:26	LB134987
	Lead	4960	5000	99	90 - 110	P	03/11/2025	18:26	LB134987
	Selenium	5030	5000	101	90 - 110	P	03/11/2025	18:26	LB134987
	Silver	1260	1250	101	90 - 110	P	03/11/2025	18:26	LB134987
CCV10	Arsenic	4890	5000	98	90 - 110	P	03/11/2025	19:14	LB134987
	Barium	9280	10000	93	90 - 110	P	03/11/2025	19:14	LB134987
	Cadmium	2480	2500	99	90 - 110	P	03/11/2025	19:14	LB134987
	Chromium	968	1000	97	90 - 110	P	03/11/2025	19:14	LB134987
	Lead	4880	5000	98	90 - 110	P	03/11/2025	19:14	LB134987

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	Selenium	4860	5000	97	90 - 110	P	03/11/2025	19:14	LB134987
	Silver	1230	1250	99	90 - 110	P	03/11/2025	19:14	LB134987
CCV11	Arsenic	4830	5000	97	90 - 110	P	03/11/2025	19:26	LB134987
	Barium	9770	10000	98	90 - 110	P	03/11/2025	19:26	LB134987
	Cadmium	2390	2500	95	90 - 110	P	03/11/2025	19:26	LB134987
	Chromium	935	1000	94	90 - 110	P	03/11/2025	19:26	LB134987
	Lead	4740	5000	95	90 - 110	P	03/11/2025	19:26	LB134987
	Selenium	4840	5000	97	90 - 110	P	03/11/2025	19:26	LB134987
	Silver	1230	1250	98	90 - 110	P	03/11/2025	19:26	LB134987
CCV12	Arsenic	4850	5000	97	90 - 110	P	03/11/2025	19:39	LB134987
	Barium	9430	10000	94	90 - 110	P	03/11/2025	19:39	LB134987
	Cadmium	2380	2500	95	90 - 110	P	03/11/2025	19:39	LB134987
	Chromium	948	1000	95	90 - 110	P	03/11/2025	19:39	LB134987
	Lead	4680	5000	94	90 - 110	P	03/11/2025	19:39	LB134987
	Selenium	5040	5000	101	90 - 110	P	03/11/2025	19:39	LB134987
	Silver	1210	1250	97	90 - 110	P	03/11/2025	19:39	LB134987

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	1050	1000	105	90 - 110	P	03/12/2025	10:52	LB135011
	Barium	537	520	103	90 - 110	P	03/12/2025	10:52	LB135011
	Cadmium	506	510	99	90 - 110	P	03/12/2025	10:52	LB135011
	Chromium	541	520	104	90 - 110	P	03/12/2025	10:52	LB135011
	Lead	1020	1000	102	90 - 110	P	03/12/2025	10:52	LB135011
	Selenium	1050	1000	105	90 - 110	P	03/12/2025	10:52	LB135011
	Silver	262	250	105	90 - 110	P	03/12/2025	10:52	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	22.2	20.0	111	80 - 120	P	03/12/2025	10:56	LB135011
	Barium	89.2	100	89	80 - 120	P	03/12/2025	10:56	LB135011
	Cadmium	5.83	6.0	97	80 - 120	P	03/12/2025	10:56	LB135011
	Chromium	10.6	10.0	106	80 - 120	P	03/12/2025	10:56	LB135011
	Lead	11.7	12.0	97	80 - 120	P	03/12/2025	10:56	LB135011
	Selenium	17.5	20.0	87	80 - 120	P	03/12/2025	10:56	LB135011
	Silver	11.0	10.0	110	80 - 120	P	03/12/2025	10:56	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	5210	5000	104	90 - 110	P	03/12/2025	11:29	LB135011
	Barium	9300	10000	93	90 - 110	P	03/12/2025	11:29	LB135011
	Cadmium	2470	2500	99	90 - 110	P	03/12/2025	11:29	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	11:29	LB135011
	Lead	5060	5000	101	90 - 110	P	03/12/2025	11:29	LB135011
	Selenium	5000	5000	100	90 - 110	P	03/12/2025	11:29	LB135011
	Silver	1260	1250	101	90 - 110	P	03/12/2025	11:29	LB135011
CCV02	Arsenic	5150	5000	103	90 - 110	P	03/12/2025	12:20	LB135011
	Barium	9180	10000	92	90 - 110	P	03/12/2025	12:20	LB135011
	Cadmium	2480	2500	99	90 - 110	P	03/12/2025	12:20	LB135011
	Chromium	1070	1000	107	90 - 110	P	03/12/2025	12:20	LB135011
	Lead	5010	5000	100	90 - 110	P	03/12/2025	12:20	LB135011
	Selenium	5180	5000	104	90 - 110	P	03/12/2025	12:20	LB135011
	Silver	1280	1250	103	90 - 110	P	03/12/2025	12:20	LB135011
CCV03	Arsenic	5100	5000	102	90 - 110	P	03/12/2025	13:10	LB135011
	Barium	9270	10000	93	90 - 110	P	03/12/2025	13:10	LB135011
	Cadmium	2480	2500	99	90 - 110	P	03/12/2025	13:10	LB135011
	Chromium	1060	1000	106	90 - 110	P	03/12/2025	13:10	LB135011
	Lead	5000	5000	100	90 - 110	P	03/12/2025	13:10	LB135011
	Selenium	5090	5000	102	90 - 110	P	03/12/2025	13:10	LB135011
	Silver	1290	1250	103	90 - 110	P	03/12/2025	13:10	LB135011
CCV04	Arsenic	5330	5000	107	90 - 110	P	03/12/2025	14:24	LB135011
	Barium	9270	10000	93	90 - 110	P	03/12/2025	14:24	LB135011
	Cadmium	2500	2500	100	90 - 110	P	03/12/2025	14:24	LB135011
	Chromium	1060	1000	106	90 - 110	P	03/12/2025	14:24	LB135011
	Lead	5090	5000	102	90 - 110	P	03/12/2025	14:24	LB135011
	Selenium	5140	5000	103	90 - 110	P	03/12/2025	14:24	LB135011
	Silver	1280	1250	103	90 - 110	P	03/12/2025	14:24	LB135011
CCV05	Arsenic	5210	5000	104	90 - 110	P	03/12/2025	15:25	LB135011
	Barium	9220	10000	92	90 - 110	P	03/12/2025	15:25	LB135011
	Cadmium	2460	2500	98	90 - 110	P	03/12/2025	15:25	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	15:25	LB135011
	Lead	5010	5000	100	90 - 110	P	03/12/2025	15:25	LB135011
	Selenium	5000	5000	100	90 - 110	P	03/12/2025	15:25	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	1250	1250	100	90 - 110	P	03/12/2025	15:25	LB135011
CCV06	Arsenic	5190	5000	104	90 - 110	P	03/12/2025	16:25	LB135011
	Barium	9100	10000	91	90 - 110	P	03/12/2025	16:25	LB135011
	Cadmium	2450	2500	98	90 - 110	P	03/12/2025	16:25	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	16:25	LB135011
	Lead	4990	5000	100	90 - 110	P	03/12/2025	16:25	LB135011
	Selenium	4960	5000	99	90 - 110	P	03/12/2025	16:25	LB135011
	Silver	1260	1250	100	90 - 110	P	03/12/2025	16:25	LB135011
CCV07	Arsenic	5300	5000	106	90 - 110	P	03/12/2025	17:25	LB135011
	Barium	9240	10000	92	90 - 110	P	03/12/2025	17:25	LB135011
	Cadmium	2460	2500	98	90 - 110	P	03/12/2025	17:25	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	17:25	LB135011
	Lead	5030	5000	101	90 - 110	P	03/12/2025	17:25	LB135011
	Selenium	5120	5000	102	90 - 110	P	03/12/2025	17:25	LB135011
	Silver	1270	1250	102	90 - 110	P	03/12/2025	17:25	LB135011
CCV08	Arsenic	5240	5000	105	90 - 110	P	03/12/2025	18:23	LB135011
	Barium	9130	10000	91	90 - 110	P	03/12/2025	18:23	LB135011
	Cadmium	2490	2500	99	90 - 110	P	03/12/2025	18:23	LB135011
	Chromium	1070	1000	107	90 - 110	P	03/12/2025	18:23	LB135011
	Lead	5060	5000	101	90 - 110	P	03/12/2025	18:23	LB135011
	Selenium	5010	5000	100	90 - 110	P	03/12/2025	18:23	LB135011
	Silver	1280	1250	102	90 - 110	P	03/12/2025	18:23	LB135011
CCV09	Arsenic	5290	5000	106	90 - 110	P	03/12/2025	18:49	LB135011
	Barium	9220	10000	92	90 - 110	P	03/12/2025	18:49	LB135011
	Cadmium	2500	2500	100	90 - 110	P	03/12/2025	18:49	LB135011
	Chromium	1050	1000	105	90 - 110	P	03/12/2025	18:49	LB135011
	Lead	5060	5000	101	90 - 110	P	03/12/2025	18:49	LB135011
	Selenium	5060	5000	101	90 - 110	P	03/12/2025	18:49	LB135011
	Silver	1270	1250	102	90 - 110	P	03/12/2025	18:49	LB135011

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	1020	1000	102	90 - 110	P	03/13/2025	12:07	LB135035
	Barium	533	520	102	90 - 110	P	03/13/2025	12:07	LB135035
	Cadmium	503	510	99	90 - 110	P	03/13/2025	12:07	LB135035
	Chromium	525	520	101	90 - 110	P	03/13/2025	12:07	LB135035
	Lead	1000	1000	100	90 - 110	P	03/13/2025	12:07	LB135035
	Selenium	1040	1000	104	90 - 110	P	03/13/2025	12:07	LB135035
	Silver	252	250	101	90 - 110	P	03/13/2025	12:07	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	17.3	20.0	86	80 - 120	P	03/13/2025	12:13	LB135035
	Barium	92.2	100	92	80 - 120	P	03/13/2025	12:13	LB135035
	Cadmium	5.95	6.0	99	80 - 120	P	03/13/2025	12:13	LB135035
	Chromium	10.1	10.0	101	80 - 120	P	03/13/2025	12:13	LB135035
	Lead	12.6	12.0	105	80 - 120	P	03/13/2025	12:13	LB135035
	Selenium	19.2	20.0	96	80 - 120	P	03/13/2025	12:13	LB135035
	Silver	10.6	10.0	106	80 - 120	P	03/13/2025	12:13	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	5160	5000	103	90 - 110	P	03/13/2025	12:53	LB135035
	Barium	9860	10000	99	90 - 110	P	03/13/2025	12:53	LB135035
	Cadmium	2570	2500	103	90 - 110	P	03/13/2025	12:53	LB135035
	Chromium	1050	1000	105	90 - 110	P	03/13/2025	12:53	LB135035
	Lead	5190	5000	104	90 - 110	P	03/13/2025	12:53	LB135035
	Selenium	5070	5000	101	90 - 110	P	03/13/2025	12:53	LB135035
	Silver	1300	1250	104	90 - 110	P	03/13/2025	12:53	LB135035
CCV02	Arsenic	5290	5000	106	90 - 110	P	03/13/2025	13:49	LB135035
	Barium	10100	10000	101	90 - 110	P	03/13/2025	13:49	LB135035
	Cadmium	2630	2500	105	90 - 110	P	03/13/2025	13:49	LB135035
	Chromium	1100	1000	110	90 - 110	P	03/13/2025	13:49	LB135035
	Lead	5330	5000	107	90 - 110	P	03/13/2025	13:49	LB135035
	Selenium	5180	5000	104	90 - 110	P	03/13/2025	13:49	LB135035
	Silver	1310	1250	105	90 - 110	P	03/13/2025	13:49	LB135035
CCV03	Arsenic	5130	5000	102	90 - 110	P	03/13/2025	14:40	LB135035
	Barium	9830	10000	98	90 - 110	P	03/13/2025	14:40	LB135035
	Cadmium	2540	2500	102	90 - 110	P	03/13/2025	14:40	LB135035
	Chromium	1050	1000	106	90 - 110	P	03/13/2025	14:40	LB135035
	Lead	5150	5000	103	90 - 110	P	03/13/2025	14:40	LB135035
	Selenium	5060	5000	101	90 - 110	P	03/13/2025	14:40	LB135035
	Silver	1280	1250	103	90 - 110	P	03/13/2025	14:40	LB135035
CCV04	Arsenic	4950	5000	99	90 - 110	P	03/13/2025	15:38	LB135035
	Barium	9580	10000	96	90 - 110	P	03/13/2025	15:38	LB135035
	Cadmium	2510	2500	100	90 - 110	P	03/13/2025	15:38	LB135035
	Chromium	1030	1000	103	90 - 110	P	03/13/2025	15:38	LB135035
	Lead	5050	5000	101	90 - 110	P	03/13/2025	15:38	LB135035
	Selenium	4830	5000	97	90 - 110	P	03/13/2025	15:38	LB135035
	Silver	1240	1250	99	90 - 110	P	03/13/2025	15:38	LB135035
CCV05	Arsenic	5250	5000	105	90 - 110	P	03/13/2025	16:28	LB135035
	Barium	9880	10000	99	90 - 110	P	03/13/2025	16:28	LB135035
	Cadmium	2630	2500	105	90 - 110	P	03/13/2025	16:28	LB135035
	Chromium	1070	1000	107	90 - 110	P	03/13/2025	16:28	LB135035
	Lead	5300	5000	106	90 - 110	P	03/13/2025	16:28	LB135035
	Selenium	5150	5000	103	90 - 110	P	03/13/2025	16:28	LB135035

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	1300	1250	104	90 - 110	P	03/13/2025	16:28	LB135035
CCV06	Arsenic	5070	5000	101	90 - 110	P	03/13/2025	17:21	LB135035
	Barium	9980	10000	100	90 - 110	P	03/13/2025	17:21	LB135035
	Cadmium	2570	2500	103	90 - 110	P	03/13/2025	17:21	LB135035
	Chromium	1060	1000	106	90 - 110	P	03/13/2025	17:21	LB135035
	Lead	5180	5000	104	90 - 110	P	03/13/2025	17:21	LB135035
	Selenium	4970	5000	100	90 - 110	P	03/13/2025	17:21	LB135035
	Silver	1290	1250	103	90 - 110	P	03/13/2025	17:21	LB135035
CCV07	Arsenic	5250	5000	105	90 - 110	P	03/13/2025	18:12	LB135035
	Barium	9960	10000	100	90 - 110	P	03/13/2025	18:12	LB135035
	Cadmium	2640	2500	106	90 - 110	P	03/13/2025	18:12	LB135035
	Chromium	1090	1000	109	90 - 110	P	03/13/2025	18:12	LB135035
	Lead	5330	5000	107	90 - 110	P	03/13/2025	18:12	LB135035
	Selenium	5180	5000	104	90 - 110	P	03/13/2025	18:12	LB135035
	Silver	1310	1250	105	90 - 110	P	03/13/2025	18:12	LB135035
CCV08	Arsenic	4950	5000	99	90 - 110	P	03/13/2025	18:53	LB135035
	Barium	9390	10000	94	90 - 110	P	03/13/2025	18:53	LB135035
	Cadmium	2510	2500	100	90 - 110	P	03/13/2025	18:53	LB135035
	Chromium	1040	1000	104	90 - 110	P	03/13/2025	18:53	LB135035
	Lead	5060	5000	101	90 - 110	P	03/13/2025	18:53	LB135035
	Selenium	4840	5000	97	90 - 110	P	03/13/2025	18:53	LB135035
	Silver	1250	1250	100	90 - 110	P	03/13/2025	18:53	LB135035
CCV09	Arsenic	5280	5000	106	90 - 110	P	03/13/2025	19:12	LB135035
	Barium	9620	10000	96	90 - 110	P	03/13/2025	19:12	LB135035
	Cadmium	2550	2500	102	90 - 110	P	03/13/2025	19:12	LB135035
	Chromium	1070	1000	107	90 - 110	P	03/13/2025	19:12	LB135035
	Lead	5120	5000	102	90 - 110	P	03/13/2025	19:12	LB135035
	Selenium	5440	5000	109	90 - 110	P	03/13/2025	19:12	LB135035
	Silver	1290	1250	104	90 - 110	P	03/13/2025	19:12	LB135035

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Metals

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CRDL STANDARD FOR AA & ICP

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	03/10/2025	10:41	LB134958
CRI01	Arsenic	19.0	20.0	95	40 - 160	P	03/11/2025	11:02	LB134987
	Barium	95.1	100	95	40 - 160	P	03/11/2025	11:02	LB134987
	Cadmium	5.81	6.0	97	40 - 160	P	03/11/2025	11:02	LB134987
	Chromium	9.83	10.0	98	40 - 160	P	03/11/2025	11:02	LB134987
	Lead	11.9	12.0	99	40 - 160	P	03/11/2025	11:02	LB134987
	Selenium	21.9	20.0	110	40 - 160	P	03/11/2025	11:02	LB134987
	Silver	10.3	10.0	103	40 - 160	P	03/11/2025	11:02	LB134987
CRI01	Arsenic	20.1	20.0	100	40 - 160	P	03/12/2025	11:05	LB135011
	Barium	88.8	100	89	40 - 160	P	03/12/2025	11:05	LB135011
	Cadmium	5.85	6.0	98	40 - 160	P	03/12/2025	11:05	LB135011
	Chromium	10.3	10.0	103	40 - 160	P	03/12/2025	11:05	LB135011
	Lead	10.9	12.0	91	40 - 160	P	03/12/2025	11:05	LB135011
	Selenium	18.3	20.0	92	40 - 160	P	03/12/2025	11:05	LB135011
	Silver	11.1	10.0	111	40 - 160	P	03/12/2025	11:05	LB135011
CRI01	Arsenic	21.2	20.0	106	40 - 160	P	03/13/2025	12:21	LB135035
	Barium	94.0	100	94	40 - 160	P	03/13/2025	12:21	LB135035
	Cadmium	5.90	6.0	98	40 - 160	P	03/13/2025	12:21	LB135035
	Chromium	10.4	10.0	104	40 - 160	P	03/13/2025	12:21	LB135035
	Lead	11.7	12.0	98	40 - 160	P	03/13/2025	12:21	LB135035
	Selenium	21.3	20.0	107	40 - 160	P	03/13/2025	12:21	LB135035
	Silver	10.6	10.0	106	40 - 160	P	03/13/2025	12:21	LB135035

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	6.46			-20	20	03/11/2025	11:06	LB134987
	Barium	5.32	6.0	89	-94	106	03/11/2025	11:06	LB134987
	Cadmium	-2.31	1.0	231	-5	7	03/11/2025	11:06	LB134987
	Chromium	58.2	52.0	112	42	62	03/11/2025	11:06	LB134987
	Lead	3.81			-12	12	03/11/2025	11:06	LB134987
	Selenium	-16.3			-20	20	03/11/2025	11:06	LB134987
	Silver	-0.94			-10	10	03/11/2025	11:06	LB134987
ICSAB01	Arsenic	114	104	110	88.4	120	03/11/2025	11:11	LB134987
	Barium	487	537	91	437	637	03/11/2025	11:11	LB134987
	Cadmium	1020	972	105	826	1120	03/11/2025	11:11	LB134987
	Chromium	567	542	105	460	624	03/11/2025	11:11	LB134987
	Lead	55.7	49.0	114	37	61	03/11/2025	11:11	LB134987
	Selenium	32.4	46.0	70	26	66	03/11/2025	11:11	LB134987
	Silver	220	201	110	170	232	03/11/2025	11:11	LB134987
ICSA01	Arsenic	5.78			-20	20	03/12/2025	11:09	LB135011
	Barium	1.43	6.0	24	-94	106	03/12/2025	11:09	LB135011
	Cadmium	-3.50	1.0	350	-5	7	03/12/2025	11:09	LB135011
	Chromium	60.0	52.0	115	42	62	03/12/2025	11:09	LB135011
	Lead	5.99			-12	12	03/12/2025	11:09	LB135011
	Selenium	-15.8			-20	20	03/12/2025	11:09	LB135011
	Silver	0.57			-10	10	03/12/2025	11:09	LB135011
ICSAB01	Arsenic	116	104	112	88.4	120	03/12/2025	11:14	LB135011
	Barium	454	537	84	437	637	03/12/2025	11:14	LB135011
	Cadmium	1000	972	103	826	1120	03/12/2025	11:14	LB135011
	Chromium	595	542	110	460	624	03/12/2025	11:14	LB135011
	Lead	52.3	49.0	107	37	61	03/12/2025	11:14	LB135011
	Selenium	34.2	46.0	74	26	66	03/12/2025	11:14	LB135011
	Silver	226	201	112	170	232	03/12/2025	11:14	LB135011
ICSA01	Arsenic	4.32			-20	20	03/13/2025	12:25	LB135035
	Barium	4.72	6.0	79	-94	106	03/13/2025	12:25	LB135035
	Cadmium	-3.11	1.0	311	-5	7	03/13/2025	12:25	LB135035
	Chromium	60.0	52.0	115	42	62	03/13/2025	12:25	LB135035
	Lead	4.72			-12	12	03/13/2025	12:25	LB135035
	Selenium	-15.2			-20	20	03/13/2025	12:25	LB135035
	Silver	-0.88			-10	10	03/13/2025	12:25	LB135035
ICSAB01	Arsenic	113	104	109	88.4	120	03/13/2025	12:30	LB135035
	Barium	485	537	90	437	637	03/13/2025	12:30	LB135035
	Cadmium	1000	972	103	826	1120	03/13/2025	12:30	LB135035
	Chromium	564	542	104	460	624	03/13/2025	12:30	LB135035
	Lead	54.2	49.0	111	37	61	03/13/2025	12:30	LB135035
	Selenium	43.0	46.0	94	26	66	03/13/2025	12:30	LB135035

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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	Silver	218	201	108	170	232	03/13/2025	12:30	LB135035

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Water **sample id:** Q1514-06 **client id:** ENV-103-SB01MS

Percent Solids for Sample: NA **Spiked ID:** Q1514-06MS **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	3900		100	U	4000	98		P
Barium	ug/L	75 - 125	1330		460	J	1000	87		P
Cadmium	ug/L	75 - 125	965		1.36	J	1000	96		P
Chromium	ug/L	75 - 125	2030		7.21	J	2000	101		P
Lead	ug/L	75 - 125	4640		60.0	U	5000	93		P
Mercury	ug/L	75 - 125	43.0		2.00	U	40.0	108		CV
Selenium	ug/L	75 - 125	9450		100	U	10000	94		P
Silver	ug/L	75 - 125	366		50.0	U	380	96		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q1514

contract: PORT06 **lab code:** CHEM **case no.:** Q1514 **sas no.:** Q1514

matrix: Water **sample id:** Q1514-06 **client id:** ENV-103-SB01MSD

Percent Solids for Sample: NA **Spiked ID:** Q1514-06MSD **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	3860		100	U	4000	96		P
Barium	ug/L	75 - 125	1350		460	J	1000	89		P
Cadmium	ug/L	75 - 125	962		1.36	J	1000	96		P
Chromium	ug/L	75 - 125	1990		7.21	J	2000	99		P
Lead	ug/L	75 - 125	4620		60.0	U	5000	92		P
Mercury	ug/L	75 - 125	42.1		2.00	U	40.0	105		CV
Selenium	ug/L	75 - 125	9330		100	U	10000	93		P
Silver	ug/L	75 - 125	362		50.0	U	380	95		P

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Metals
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Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Water **Sample ID:** Q1514-06 **Client ID:** ENV-103-SB01DUP

Percent Solids for Sample: NA **Duplicate ID** Q1514-06DUP **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	460	J	471	J	2		P
Cadmium	ug/L	20	1.36	J	1.07	J	24		P
Chromium	ug/L	20	7.21	J	8.85	J	20		P
Lead	ug/L	20	60.0	U	60.0	U			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.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Matrix: Water **Sample ID:** Q1514-06MS **Client ID:** ENV-103-SB01MSD

Percent Solids for Sample: NA **Duplicate ID** Q1514-06MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3900		3860		1		P
Barium	ug/L	20	1330		1350		1		P
Cadmium	ug/L	20	965		962		0		P
Chromium	ug/L	20	2030		1990		2		P
Lead	ug/L	20	4640		4620		0		P
Mercury	ug/L	20	43.0		42.1		2		CV
Selenium	ug/L	20	9450		9330		1		P
Silver	ug/L	20	366		362		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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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167033BS							
Mercury	ug/L	4.0	4.10		102	80 - 120	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167037BS							
Arsenic	ug/L	4000	4120		103	80 - 120	P
Barium	ug/L	1000	882		88	80 - 120	P
Cadmium	ug/L	1000	955		96	80 - 120	P
Chromium	ug/L	2000	2140		107	80 - 120	P
Lead	ug/L	5000	4890		98	80 - 120	P
Selenium	ug/L	10000	9950		100	80 - 120	P
Silver	ug/L	380	384		101	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

ENV-103-SB01L

Lab Name: Chemtech Consulting Group **Contract:** PORT06

Lab Code: CHEM **Lb No.:** lb135035 **Lab Sample ID :** Q1514-06L **SDG No.:** Q1514

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	460	J	511	J	11		P
Cadmium	1.36	J	150	U	100.0		P
Chromium	7.21	J	250	U	100.0		P
Lead	60.0	U	300	U			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.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB134958

Start date: 03/10/2025 **End date:** 03/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0959	HG
S0.2	S0.2	1	1001	HG
S2.5	S2.5	1	1003	HG
S5	S5	1	1006	HG
S7.5	S7.5	1	1013	HG
S10	S10	1	1019	HG
ICV35	ICV35	1	1022	HG
ICB35	ICB35	1	1026	HG
CCV75	CCV75	1	1034	HG
CCB75	CCB75	1	1039	HG
CRA	CRA	1	1041	HG
PB167033BL	PB167033BL	1	1053	HG
PB167033BS	PB167033BS	1	1056	HG
CCV76	CCV76	1	1109	HG
CCB76	CCB76	1	1111	HG
Q1514-02	ENV-105-SB01	1	1127	HG
Q1514-04	ENV-105-SB02	1	1130	HG
Q1514-06	ENV-103-SB01	1	1139	HG
Q1514-06DUP	ENV-103-SB01DUP	1	1141	HG
CCV77	CCV77	1	1148	HG
CCB77	CCB77	1	1153	HG
Q1514-06MS	ENV-103-SB01MS	1	1155	HG
Q1514-06MSD	ENV-103-SB01MSD	1	1157	HG
CCV78	CCV78	1	1218	HG
CCB78	CCB78	1	1226	HG
CCV79	CCV79	1	1245	HG
CCB79	CCB79	1	1247	HG
PB167020TB	PB167020TB	1	1249	HG
Q1514-06L	ENV-103-SB01L	5	1255	HG
CCV80	CCV80	1	1310	HG
CCB80	CCB80	1	1312	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.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB134987

Start date: 03/11/2025 **End date:** 03/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1019	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1024	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1028	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1032	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1036	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1041	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1050	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1054	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1058	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1102	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1106	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1111	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1129	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1134	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1219	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1223	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1310	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1314	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1408	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1413	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1500	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1504	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1550	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1554	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1642	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1646	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	1734	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	1738	Ag,As,Ba,Cd,Cr,Pb,Se
CCV09	CCV09	1	1826	Ag,As,Ba,Cd,Cr,Pb,Se
CCB09	CCB09	1	1830	Ag,As,Ba,Cd,Cr,Pb,Se
PB167020TB	PB167020TB	1	1855	Ag,As,Ba,Cd,Cr,Pb,Se
CCV10	CCV10	1	1914	Ag,As,Ba,Cd,Cr,Pb,Se
CCB10	CCB10	1	1918	Ag,As,Ba,Cd,Cr,Pb,Se
CCV11	CCV11	1	1926	Ag,As,Ba,Cd,Cr,Pb,Se
CCB11	CCB11	1	1931	Ag,As,Ba,Cd,Cr,Pb,Se
CCV12	CCV12	1	1939	Ag,As,Ba,Cd,Cr,Pb,Se
CCB12	CCB12	1	1949	Ag,As,Ba,Cd,Cr,Pb,Se

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metals
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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB135011

Start date: 03/12/2025 **End date:** 03/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1027	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1031	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1035	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1039	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1044	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1048	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1052	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1056	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1101	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1105	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1109	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1114	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1129	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1134	Ag,As,Ba,Cd,Cr,Pb,Se
PB167037BL	PB167037BL	1	1138	Ag,As,Ba,Cd,Cr,Pb,Se
PB167037BS	PB167037BS	1	1142	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1220	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1224	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1310	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1314	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1424	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1428	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1525	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1529	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1625	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1630	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1725	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1730	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	1823	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	1827	Ag,As,Ba,Cd,Cr,Pb,Se
CCV09	CCV09	1	1849	Ag,As,Ba,Cd,Cr,Pb,Se
CCB09	CCB09	1	1853	Ag,As,Ba,Cd,Cr,Pb,Se

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metals
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ANALYSIS RUN LOG

Client: Portal Partners Tri-Venture **Contract:** PORT06

Lab code: CHEM **Case no.:** Q1514 **Sas no.:** Q1514 **Sdg no.:** Q1514

Instrument id number: **Method:** **Run number:** LB135035

Start date: 03/13/2025 **End date:** 03/13/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1142	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1146	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1150	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1154	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1159	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1203	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1207	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1213	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1217	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1221	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1225	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1230	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1253	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1258	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1349	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1354	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1440	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1448	Ag,As,Ba,Cd,Cr,Pb,Se
Q1514-02	ENV-105-SB01	1	1501	Ag,As,Ba,Cd,Cr,Pb,Se
Q1514-04	ENV-105-SB02	1	1506	Ag,As,Ba,Cd,Cr,Pb,Se
Q1514-06	ENV-103-SB01	1	1510	Ag,As,Ba,Cd,Cr,Pb,Se
Q1514-06DUP	ENV-103-SB01DUP	1	1515	Ag,As,Ba,Cd,Cr,Pb,Se
Q1514-06L	ENV-103-SB01L	5	1519	Ag,As,Ba,Cd,Cr,Pb,Se
Q1514-06MS	ENV-103-SB01MS	1	1523	Ag,As,Ba,Cd,Cr,Pb,Se
Q1514-06MSD	ENV-103-SB01MSD	1	1528	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1538	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1542	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1628	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1632	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1721	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1725	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1812	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1835	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	1853	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	1903	Ag,As,Ba,Cd,Cr,Pb,Se
CCV09	CCV09	1	1912	Ag,As,Ba,Cd,Cr,Pb,Se
CCB09	CCB09	1	1921	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.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1514 **SAS No.:** Q1514

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:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-01	**ENV-105-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			Mercury	7471B		03/10/25	03/11/25	
			Metals ICP-TAL	6010D		03/07/25	03/13/25	
Q1514-02	**ENV-105-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP ICP Metals	6010D		03/10/25	03/13/25	
			TCLP Mercury	7470A		03/07/25	03/10/25	
Q1514-03	**ENV-105-SB02**	**SOIL**			**03/05/25**			**03/06/25**
			Mercury	7471B		03/10/25	03/11/25	
			Metals ICP-TAL	6010D		03/07/25	03/13/25	
Q1514-04	**ENV-105-SB02**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP ICP Metals	6010D		03/10/25	03/13/25	
			TCLP Mercury	7470A		03/07/25	03/10/25	
Q1514-05	**ENV-103-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			Mercury	7471B		03/10/25	03/11/25	
			Metals ICP-TAL	6010D		03/07/25	03/13/25	
Q1514-06	**ENV-103-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP ICP Metals	6010D		03/10/25	03/13/25	
			TCLP Mercury	7470A		03/07/25	03/10/25	
Q1514-07	**ENV-105-GW01**	**Water**			**03/05/25**			**03/06/25**
			Mercury	7470A		03/07/25	03/10/25	
			Metals ICP-TAL	6010D		03/10/25	03/13/25	
Q1514-08	**ENV-103-GW01**	**Water**			**03/05/25**			**03/06/25**
			Mercury	7470A		03/07/25	03/10/25	
			Metals ICP-TAL	6010D		03/10/25	03/13/25	
Q1514-09	**FB03062025**	**Water**			**03/06/25**			**03/06/25**

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LAB CHRONICLE

Mercury	7470A	03/07/25	03/10/25
Metals ICP-TAL	6010D	03/10/25	03/13/25

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1514 **SAS No.:** Q1514

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167033**						
PB167020TB	PB167020TB	MB	WATER	03/07/2025	3.0	30.0	
PB167033BL	PB167033BL	MB	WATER	03/07/2025	30.0	30.0	
PB167033BS	PB167033BS	LCS	WATER	03/07/2025	30.0	30.0	
Q1514-02	ENV-105-SB01	SAM	WATER	03/07/2025	3.0	30.0	
Q1514-04	ENV-105-SB02	SAM	WATER	03/07/2025	3.0	30.0	
Q1514-06	ENV-103-SB01	SAM	WATER	03/07/2025	3.0	30.0	
Q1514-06DUP	ENV-103-SB01DUP	DUP	WATER	03/07/2025	3.0	30.0	
Q1514-06MS	ENV-103-SB01MS	MS	WATER	03/07/2025	3.0	30.0	
Q1514-06MSD	ENV-103-SB01MSD	MSD	WATER	03/07/2025	3.0	30.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Contract: PORT06 **Lab Code:** CHEM **Method:**

Case No.: Q1514 **SAS No.:** Q1514

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167037**						
PB167020TB	PB167020TB	MB	WATER	03/10/2025	5.0	25.0	
PB167037BL	PB167037BL	MB	WATER	03/10/2025	5.0	25.0	
PB167037BS	PB167037BS	LCS	WATER	03/10/2025	5.0	25.0	
Q1514-02	ENV-105-SB01	SAM	WATER	03/10/2025	5.0	25.0	
Q1514-04	ENV-105-SB02	SAM	WATER	03/10/2025	5.0	25.0	
Q1514-06	ENV-103-SB01	SAM	WATER	03/10/2025	5.0	25.0	
Q1514-06DUP	ENV-103-SB01DUP	DUP	WATER	03/10/2025	5.0	25.0	
Q1514-06MS	ENV-103-SB01MS	MS	WATER	03/10/2025	5.0	25.0	
Q1514-06MSD	ENV-103-SB01MSD	MSD	WATER	03/10/2025	5.0	25.0	

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134958

Review By	Mohan	Review On	3/11/2025 9:32:51 AM
Supervise By	jaswal	Supervise On	3/11/2025 9:38:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84793,MP84794,MP84795,MP84796,MP84797,MP84798
ICV Standard	MP84799
CCV Standard	MP84801
ICSA Standard	
CRI Standard	MP84803
LCS Standard	
Chk Standard	MP84800,MP84802,MP84804,MP84826

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/10/25 09:59		Mohan	OK
2	S0.2	S0.2	CAL2	03/10/25 10:01		Mohan	OK
3	S2.5	S2.5	CAL3	03/10/25 10:03		Mohan	OK
4	S5	S5	CAL4	03/10/25 10:06		Mohan	OK
5	S7.5	S7.5	CAL5	03/10/25 10:13		Mohan	OK
6	S10	S10	CAL6	03/10/25 10:19		Mohan	OK
7	ICV35	ICV35	ICV	03/10/25 10:22		Mohan	OK
8	ICB35	ICB35	ICB	03/10/25 10:26		Mohan	OK
9	CCV75	CCV75	CCV	03/10/25 10:34		Mohan	OK
10	CCB75	CCB75	CCB	03/10/25 10:39		Mohan	OK
11	CRA	CRA	CRDL	03/10/25 10:41		Mohan	OK
12	HighStd	HighStd	HIGH STD	03/10/25 10:43		Mohan	OK
13	ChkStd	ChkStd	SAM	03/10/25 10:46		Mohan	OK
14	PB167033BL	PB167033BL	MB	03/10/25 10:53		Mohan	OK
15	PB167033BS	PB167033BS	LCS	03/10/25 10:56		Mohan	OK
16	Q1488-02	ENV-101-SB01	SAM	03/10/25 10:58		Mohan	OK
17	Q1488-04	ENV-101-SB02	SAM	03/10/25 11:00		Mohan	OK
18	Q1488-06	ENV-102-SB01	SAM	03/10/25 11:02		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134958

Review By	Mohan	Review On	3/11/2025 9:32:51 AM
Supervise By	jaswal	Supervise On	3/11/2025 9:38:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84793,MP84794,MP84795,MP84796,MP84797,MP84798
ICV Standard	MP84799
CCV Standard	MP84801
ICSA Standard	
CRI Standard	MP84803
LCS Standard	
Chk Standard	MP84800,MP84802,MP84804,MP84826

19	Q1488-08	ENV-102-SB02	SAM	03/10/25 11:05		Mohan	OK
20	Q1488-10	ENV-104-SB01	SAM	03/10/25 11:07		Mohan	OK
21	CCV76	CCV76	CCV	03/10/25 11:09		Mohan	OK
22	CCB76	CCB76	CCB	03/10/25 11:11		Mohan	OK
23	Q1488-12	ENV-104-SB02	SAM	03/10/25 11:14		Mohan	OK
24	Q1490-02	CLAY-SLUDGE-DRUI	SAM	03/10/25 11:16		Mohan	OK
25	Q1494-04	ASPHALT-SOIL	SAM	03/10/25 11:18		Mohan	OK
26	Q1494-06	SOIL	SAM	03/10/25 11:20		Mohan	OK
27	Q1494-08	SOIL-COMP	SAM	03/10/25 11:23		Mohan	OK
28	Q1510-01	FMC-25-0001-0005	SAM	03/10/25 11:25		Mohan	OK
29	Q1514-02	ENV-105-SB01	SAM	03/10/25 11:27		Mohan	OK
30	Q1514-04	ENV-105-SB02	SAM	03/10/25 11:30		Mohan	OK
31	Q1514-06	ENV-103-SB01	SAM	03/10/25 11:39		Mohan	OK
32	Q1514-06DUP	ENV-103-SB01DUP	DUP	03/10/25 11:41		Mohan	OK
33	CCV77	CCV77	CCV	03/10/25 11:48		Mohan	OK
34	CCB77	CCB77	CCB	03/10/25 11:53		Mohan	OK
35	Q1514-06MS	ENV-103-SB01MS	MS	03/10/25 11:55		Mohan	OK
36	Q1514-06MSD	ENV-103-SB01MSD	MSD	03/10/25 11:57		Mohan	OK
37	PB167034BL	PB167034BL	MB	03/10/25 11:59		Mohan	OK
38	PB167034BS	PB167034BS	LCS	03/10/25 12:02		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134958

Review By	Mohan	Review On	3/11/2025 9:32:51 AM
Supervise By	jaswal	Supervise On	3/11/2025 9:38:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84793,MP84794,MP84795,MP84796,MP84797,MP84798
ICV Standard	MP84799
CCV Standard	MP84801
ICSA Standard	
CRI Standard	MP84803
LCS Standard	
Chk Standard	MP84800,MP84802,MP84804,MP84826

39	Q1478-01	IDW-AQ-MW-19B-CO	SAM	03/10/25 12:04		Mohan	OK
40	Q1478-01DUP	IDW-AQ-MW-19B-CO	DUP	03/10/25 12:06		Mohan	OK
41	Q1478-01MS	IDW-AQ-MW-19B-CO	MS	03/10/25 12:09		Mohan	OK
42	Q1478-01MSD	IDW-AQ-MW-19B-CO	MSD	03/10/25 12:11		Mohan	OK
43	Q1478-03	IDW-AQ-IW-01-COMP	SAM	03/10/25 12:13		Mohan	OK
44	Q1478-05	IDW-AQ-IW-02-COMP	SAM	03/10/25 12:15		Mohan	OK
45	CCV78	CCV78	CCV	03/10/25 12:18		Mohan	OK
46	CCB78	CCB78	CCB	03/10/25 12:26		Mohan	OK
47	Q1478-07	IDW-AQ-IW-03-COMP	SAM	03/10/25 12:28		Mohan	OK
48	Q1494-01	PURGE-WATER	SAM	03/10/25 12:30		Mohan	OK
49	Q1514-07	ENV-105-GW01	SAM	03/10/25 12:32	High	Mohan	Dilution
50	Q1514-08	ENV-103-GW01	SAM	03/10/25 12:35		Mohan	OK
51	Q1514-09	FB03062025	SAM	03/10/25 12:38		Mohan	OK
52	Q1516-03	GAS-AUD-25-0026	SAM	03/10/25 12:40		Mohan	OK
53	Q1517-01	MOO-25-0062	SAM	03/10/25 12:42		Mohan	OK
54	CCV79	CCV79	CCV	03/10/25 12:45		Mohan	OK
55	CCB79	CCB79	CCB	03/10/25 12:47		Mohan	OK
56	PB167020TB	PB167020TB	MB	03/10/25 12:49		Mohan	OK
57	Q1514-06L	ENV-103-SB01L	SD	03/10/25 12:55		Mohan	OK
58	Q1514-06A	ENV-103-SB01A	PS	03/10/25 12:57		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134958

Review By	Mohan	Review On	3/11/2025 9:32:51 AM
Supervise By	jaswal	Supervise On	3/11/2025 9:38:08 AM

STD. NAME	STD REF.#
ICAL Standard	MP84793,MP84794,MP84795,MP84796,MP84797,MP84798
ICV Standard	MP84799
CCV Standard	MP84801
ICSA Standard	
CRI Standard	MP84803
LCS Standard	
Chk Standard	MP84800,MP84802,MP84804,MP84826

59	Q1478-01L	IDW-AQ-MW-19B-CO	SD	03/10/25 12:59		Mohan	OK
60	Q1478-01A	IDW-AQ-MW-19B-CO	PS	03/10/25 13:05		Mohan	OK
61	Q1514-07DL	ENV-105-GW01DL	SAM	03/10/25 13:08	Report 10X	Mohan	Confirms
62	CCV80	CCV80	CCV	03/10/25 13:10		Mohan	OK
63	CCB80	CCB80	CCB	03/10/25 13:12		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134987

Review By	kareem	Review On	3/11/2025 3:30:40 PM
Supervise By	jaswal	Supervise On	3/11/2025 3:32:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/11/25 10:19		Kareem	OK
2	S1	S1	CAL2	03/11/25 10:24		Kareem	OK
3	S2	S2	CAL3	03/11/25 10:28		Kareem	OK
4	S3	S3	CAL4	03/11/25 10:32		Kareem	OK
5	S4	S4	CAL5	03/11/25 10:36		Kareem	OK
6	S5	S5	CAL6	03/11/25 10:41		Kareem	OK
7	ICV01	ICV01	ICV	03/11/25 10:50		Kareem	OK
8	LLICV01	LLICV01	LLICV	03/11/25 10:54		Kareem	OK
9	ICB01	ICB01	ICB	03/11/25 10:58		Kareem	OK
10	CRI01	CRI01	CRDL	03/11/25 11:02		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/11/25 11:06		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/11/25 11:11		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/11/25 11:15		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/11/25 11:19		Kareem	OK
15	CCV01	CCV01	CCV	03/11/25 11:29		Kareem	OK
16	CCB01	CCB01	CCB	03/11/25 11:34		Kareem	OK
17	Q1421-04	P001-CLAY-CF01-01	SAM	03/11/25 11:38		Kareem	OK
18	Q1421-04DUP	P001-CLAY-CF01-01D	DUP	03/11/25 11:42		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134987

Review By	kareem	Review On	3/11/2025 3:30:40 PM
Supervise By	jaswal	Supervise On	3/11/2025 3:32:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

19	Q1421-04L	P001-CLAY-CF01-01L	SD	03/11/25 11:46		Kareem	OK
20	Q1421-05	P001-CLAY-CF01-01M	MS	03/11/25 11:51	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
21	Q1421-06	P001-CLAY-CF01-01M	MSD	03/11/25 11:55	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
22	Q1421-04A	P001-CLAY-CF01-01A	PS	03/11/25 11:59	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
23	Q1490-01	MS	SAM	03/11/25 12:02		Kareem	OK
24	Q1490-02	MS	SAM	03/11/25 12:07		Kareem	OK
25	Q1494-03	ASPHALT-SOIL	SAM	03/11/25 12:11		Kareem	OK
26	Q1494-05	SOIL	SAM	03/11/25 12:15		Kareem	OK
27	CCV02	CCV02	CCV	03/11/25 12:19		Kareem	OK
28	CCB02	CCB02	CCB	03/11/25 12:23		Kareem	OK
29	Q1494-07	SOIL-COMP	SAM	03/11/25 12:28		Kareem	OK
30	Q1494-07DUP	SOIL-COMPDUP	DUP	03/11/25 12:32		Kareem	OK
31	Q1494-07L	SOIL-COMPL	SD	03/11/25 12:36		Kareem	OK
32	Q1494-07MS	SOIL-COMPMS	MS	03/11/25 12:40	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
33	Q1494-07MSD	SOIL-COMPMSD	MSD	03/11/25 12:44	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134987

Review By	kareem	Review On	3/11/2025 3:30:40 PM
Supervise By	jaswal	Supervise On	3/11/2025 3:32:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

34	Q1494-07ARE	SOIL-COMPA	PS	03/11/25 12:48	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
35	Q1494-04	ASPHALT-SOIL	SAM	03/11/25 12:52		Kareem	OK
36	Q1494-06	SOIL	SAM	03/11/25 12:57		Kareem	OK
37	Q1494-08	SOIL-COMP	SAM	03/11/25 13:01		Kareem	OK
38	PB167004BL	PB167004BL	MB	03/11/25 13:05		Kareem	OK
39	CCV03	CCV03	CCV	03/11/25 13:10		Kareem	OK
40	CCB03	CCB03	CCB	03/11/25 13:14		Kareem	OK
41	PB167004BS	PB167004BS	LCS	03/11/25 13:18	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
42	Q1494-01	PURGE-WATER	SAM	03/11/25 13:22		Kareem	OK
43	Q1494-01DUP	PURGE-WATERDUP	DUP	03/11/25 13:26		Kareem	OK
44	Q1494-01L	PURGE-WATERL	SD	03/11/25 13:31		Kareem	OK
45	Q1494-01MS	PURGE-WATERMS	MS	03/11/25 13:35	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
46	Q1494-01MSD	PURGE-WATERMSD	MSD	03/11/25 13:39	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
47	Q1494-01A	PURGE-WATERA	PS	03/11/25 13:43	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
48	PB167002BL	PB167002BL	MB	03/11/25 13:55		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134987

Review By	kareem	Review On	3/11/2025 3:30:40 PM
Supervise By	jaswal	Supervise On	3/11/2025 3:32:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

49	PB167002BS	PB167002BS	LCS	03/11/25 14:00	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
50	Q1499-01	402	SAM	03/11/25 14:04		Kareem	OK
51	CCV04	CCV04	CCV	03/11/25 14:08		Kareem	OK
52	CCB04	CCB04	CCB	03/11/25 14:13		Kareem	OK
53	Q1499-01DUP	402DUP	DUP	03/11/25 14:17		Kareem	OK
54	Q1499-01L	402L	SD	03/11/25 14:21		Kareem	OK
55	Q1499-01MS	402MS	MS	03/11/25 14:26	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
56	Q1499-01MSD	402MSD	MSD	03/11/25 14:30	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
57	Q1499-01A	402A	PS	03/11/25 14:34	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
58	Q1488-02	ENV-101-SB01	SAM	03/11/25 14:38		Kareem	OK
59	Q1415-06	B-173-GW01	SAM	03/11/25 14:43		Kareem	OK
60	Q1415-06DUP	B-173-GW01DUP	DUP	03/11/25 14:47		Kareem	OK
61	Q1415-06L	B-173-GW01L	SD	03/11/25 14:52		Kareem	OK
62	Q1415-06MS	B-173-GW01MS	MS	03/11/25 14:56	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
63	CCV05	CCV05	CCV	03/11/25 15:00		Kareem	OK
64	CCB05	CCB05	CCB	03/11/25 15:04		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134987

Review By	kareem	Review On	3/11/2025 3:30:40 PM
Supervise By	jaswal	Supervise On	3/11/2025 3:32:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

65	Q1415-06MSD	B-173-GW01MSD	MSD	03/11/25 15:09	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
66	Q1415-06A	B-173-GW01A	PS	03/11/25 15:13	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
67	Q1534-01	OR-636-COMP-16	SAM	03/11/25 15:17		Kareem	OK
68	Q1534-07	OR-636-COMP-17	SAM	03/11/25 15:21		Kareem	OK
69	Q1534-13	OR-636-COMP-18	SAM	03/11/25 15:25		Kareem	OK
70	Q1534-19	OR-636-COMP-19	SAM	03/11/25 15:29		Kareem	OK
71	Q1535-01	SU-03-03102025	SAM	03/11/25 15:33		Kareem	OK
72	Q1535-01DUP	SU-03-03102025DUP	DUP	03/11/25 15:37		Kareem	OK
73	Q1535-01L	SU-03-03102025L	SD	03/11/25 15:41		Kareem	OK
74	Q1535-01MS	SU-03-03102025MS	MS	03/11/25 15:46	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
75	CCV06	CCV06	CCV	03/11/25 15:50		Kareem	OK
76	CCB06	CCB06	CCB	03/11/25 15:54		Kareem	OK
77	Q1535-01MSD	SU-03-03102025MSD	MSD	03/11/25 16:00	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
78	Q1537-01	COMP-1	SAM	03/11/25 16:08		Kareem	OK
79	Q1537-02	COMP-2	SAM	03/11/25 16:12		Kareem	OK
80	Q1537-03	COMP-3	SAM	03/11/25 16:17		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134987

Review By	kareem	Review On	3/11/2025 3:30:40 PM
Supervise By	jaswal	Supervise On	3/11/2025 3:32:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

81	PB167081BL	PB167081BL	MB	03/11/25 16:21		Kareem	OK
82	PB167081BS	PB167081BS	LCS	03/11/25 16:25	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
83	Q1541-01	205703	SAM	03/11/25 16:29		Kareem	OK
84	Q1541-01DUP	205703DUP	DUP	03/11/25 16:34		Kareem	OK
85	Q1541-01L	205703L	SD	03/11/25 16:38		Kareem	OK
86	CCV07	CCV07	CCV	03/11/25 16:42		Kareem	OK
87	CCB07	CCB07	CCB	03/11/25 16:46		Kareem	OK
88	Q1541-01MS	205703MS	MS	03/11/25 16:51	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
89	Q1541-01MSD	205703MSD	MSD	03/11/25 16:55	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
90	Q1541-01A	205703A	PS	03/11/25 16:59	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
91	PB167084BL	PB167084BL	MB	03/11/25 17:03		Kareem	OK
92	PB167084BS	PB167084BS	LCS	03/11/25 17:07	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
93	PB167049TB	PB167049TB	MB	03/11/25 17:12		Kareem	OK
94	Q1523-03	WC-A1-01-C	SAM	03/11/25 17:16		Kareem	OK
95	Q1523-06	WC-A2-02-C	SAM	03/11/25 17:20		Kareem	OK
96	Q1534-06	OR-636-COMP-16	SAM	03/11/25 17:25		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134987

Review By	kareem	Review On	3/11/2025 3:30:40 PM
Supervise By	jaswal	Supervise On	3/11/2025 3:32:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

97	Q1534-12	OR-636-COMP-17	SAM	03/11/25 17:29		Kareem	OK
98	CCV08	CCV08	CCV	03/11/25 17:34		Kareem	OK
99	CCB08	CCB08	CCB	03/11/25 17:38		Kareem	OK
100	Q1534-18	OR-636-COMP-18	SAM	03/11/25 17:42		Kareem	OK
101	Q1534-24	OR-636-COMP-19	SAM	03/11/25 17:47		Kareem	OK
102	Q1537-05	COMP-1	SAM	03/11/25 17:51		Kareem	OK
103	Q1537-06	COMP-2	SAM	03/11/25 17:55		Kareem	OK
104	Q1537-07	COMP-3	SAM	03/11/25 18:00		Kareem	OK
105	Q1537-07DUP	COMP-3DUP	DUP	03/11/25 18:04		Kareem	OK
106	Q1537-07L	COMP-3L	SD	03/11/25 18:09		Kareem	OK
107	Q1537-07MS	COMP-3MS	MS	03/11/25 18:13	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
108	Q1537-07MSD	COMP-3MSD	MSD	03/11/25 18:18	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
109	Q1537-07A	COMP-3A	PS	03/11/25 18:22	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
110	CCV09	CCV09	CCV	03/11/25 18:26		Kareem	OK
111	CCB09	CCB09	CCB	03/11/25 18:30		Kareem	OK
112	Q1535-01A	SU-03-03102025A	PS	03/11/25 18:35	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB134987

Review By	kareem	Review On	3/11/2025 3:30:40 PM
Supervise By	jaswal	Supervise On	3/11/2025 3:32:56 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

113	Q1494-07A	SOIL-COMPA	PS	03/11/25 18:39	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
114	PB167092BL	PB167092BL	MB	03/11/25 18:43		Kareem	OK
115	PB167092BS	PB167092BS	LCS	03/11/25 18:47	0.1 ML M6013 AND M6004 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
116	P3652-03	P3652-01 - LIVONIA-S	SAM	03/11/25 18:51	NOT USE	Kareem	Not Ok
117	PB167020TB	PB167020TB	MB	03/11/25 18:55		Kareem	OK
118	LR1	LR1	HIGH STD	03/11/25 18:59		Kareem	OK
119	LR2	LR2	HIGH STD	03/11/25 19:04		Kareem	OK
120	CCV10	CCV10	CCV	03/11/25 19:14		Kareem	OK
121	CCB10	CCB10	CCB	03/11/25 19:18		Kareem	OK
122	Q1538-01L	BELL-25-0004L	SD	03/11/25 19:22	Method 6020B Sample in login	Kareem	Not Ok
123	CCV11	CCV11	CCV	03/11/25 19:26		Kareem	OK
124	CCB11	CCB11	CCB	03/11/25 19:31		Kareem	OK
125	Q1538-01	BELL-25-0004	SAM	03/11/25 19:35	Method 6020B Sample in login	Kareem	Not Ok
126	CCV12	CCV12	CCV	03/11/25 19:39		Kareem	OK
127	CCB12	CCB12	CCB	03/11/25 19:49		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/12/25 10:27		Kareem	OK
2	S1	S1	CAL2	03/12/25 10:31		Kareem	OK
3	S2	S2	CAL3	03/12/25 10:35		Kareem	OK
4	S3	S3	CAL4	03/12/25 10:39		Kareem	OK
5	S4	S4	CAL5	03/12/25 10:44		Kareem	OK
6	S5	S5	CAL6	03/12/25 10:48		Kareem	OK
7	ICV01	ICV01	ICV	03/12/25 10:52	ICV As,Be,Tl,Zn (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	03/12/25 10:56		Kareem	OK
9	ICB01	ICB01	ICB	03/12/25 11:01		Kareem	OK
10	CRI01	CRI01	CRDL	03/12/25 11:05		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/12/25 11:09		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/12/25 11:14		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/12/25 11:21		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/12/25 11:25		Kareem	OK
15	CCV01	CCV01	CCV	03/12/25 11:29		Kareem	OK
16	CCB01	CCB01	CCB	03/12/25 11:34		Kareem	OK
17	PB167037BL	PB167037BL	MB	03/12/25 11:38		Kareem	OK
18	PB167037BS	PB167037BS	LCS	03/12/25 11:42	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

19	PB166981BL	PB166981BL	MB	03/12/25 11:46		Kareem	OK
20	PB166981BS	PB166981BS	LCS	03/12/25 11:51	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
21	PB167038BL	PB167038BL	MB	03/12/25 11:55		Kareem	OK
22	PB167038BS	PB167038BS	LCS	03/12/25 11:59	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
23	PB167024BL	PB167024BL	MB	03/12/25 12:03		Kareem	OK
24	PB167024BS	PB167024BS	LCS	03/12/25 12:07	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
25	PB167100BL	PB167100BL	MB	03/12/25 12:11		Kareem	OK
26	PB167100BS	PB167100BS	LCS	03/12/25 12:16	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
27	CCV02	CCV02	CCV	03/12/25 12:20		Kareem	OK
28	CCB02	CCB02	CCB	03/12/25 12:24		Kareem	OK
29	PB166977BL	PB166977BL	MB	03/12/25 12:28		Kareem	OK
30	PB166977BS	PB166977BS	LCS	03/12/25 12:33	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
31	PB166963BL	PB166963BL	MB	03/12/25 12:37	Ba fail LCS	Kareem	Not Ok
32	PB166963BS	PB166963BS	LCS	03/12/25 12:41	Ba fail LCS	Kareem	Not Ok
33	Q1466-05	CITY WATER	SAM	03/12/25 12:49		Kareem	OK
34	Q1466-05DUP	CITY WATERDUP	DUP	03/12/25 12:53		Kareem	OK

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Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
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ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

35	Q1466-05L	CITY WATERL	SD	03/12/25 12:58		Kareem	OK
36	Q1466-05MS	CITY WATERMS	MS	03/12/25 13:02	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
37	Q1466-05MSD	CITY WATERMSD	MSD	03/12/25 13:06	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
38	CCV03	CCV03	CCV	03/12/25 13:10		Kareem	OK
39	CCB03	CCB03	CCB	03/12/25 13:14		Kareem	OK
40	Q1466-05A	CITY WATERA	PS	03/12/25 13:18	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
41	Q1507-01	50-MIDDLESEX-AVE	SAM	03/12/25 13:22		Kareem	OK
42	Q1508-01	RBR251372	SAM	03/12/25 13:27		Kareem	OK
43	Q1510-01	FMC-25-0001-0005	SAM	03/12/25 13:31		Kareem	OK
44	PB167098BL	PB167098BL	MB	03/12/25 13:59		Kareem	OK
45	PB167098BS	PB167098BS	LCS	03/12/25 14:03	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
46	PB167099BL	PB167099BL	MB	03/12/25 14:07		Kareem	OK
47	PB167099BS	PB167099BS	LCS	03/12/25 14:12	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
48	Q1515-01	AU-06-030625	SAM	03/12/25 14:16		Kareem	OK
49	Q1515-01DUP	AU-06-030625DUP	DUP	03/12/25 14:20		Kareem	OK
50	CCV04	CCV04	CCV	03/12/25 14:24		Kareem	OK

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Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

51	CCB04	CCB04	CCB	03/12/25 14:28		Kareem	OK
52	Q1540-01	OU4-CF-15R-031025	SAM	03/12/25 14:32		Kareem	OK
53	Q1540-01DUP	OU4-CF-15R-031025	DUP	03/12/25 14:37		Kareem	OK
54	Q1540-01L	OU4-CF-15R-031025	SD	03/12/25 14:41		Kareem	OK
55	Q1540-01A	OU4-CF-15R-031025	PS	03/12/25 14:58	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
56	PB167088TB	PB167088TB	MB	03/12/25 15:02		Kareem	OK
57	Q1545-01	BU-02-031125	SAM	03/12/25 15:06		Kareem	OK
58	Q1545-01DUP	BU-02-031125DUP	DUP	03/12/25 15:11		Kareem	OK
59	Q1545-01L	BU-02-031125L	SD	03/12/25 15:15		Kareem	OK
60	CCV05	CCV05	CCV	03/12/25 15:25		Kareem	OK
61	CCB05	CCB05	CCB	03/12/25 15:29		Kareem	OK
62	Q1545-01MS	BU-02-031125MS	MS	03/12/25 15:33	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
63	Q1545-01MSD	BU-02-031125MSD	MSD	03/12/25 15:37	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
64	Q1545-01A	BU-02-031125A	PS	03/12/25 15:41	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
65	Q1547-01	OR-620-JB-COMP-01	SAM	03/12/25 15:45		Kareem	OK
66	Q1547-06	OR-620-JB-COMP-02	SAM	03/12/25 15:49		Kareem	OK

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Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

67	Q1549-01	72-11978	SAM	03/12/25 15:54		Kareem	OK
68	Q1515-01L	AU-06-030625L	SD	03/12/25 15:58		Kareem	OK
69	Q1515-01MS	AU-06-030625MS	MS	03/12/25 16:02	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
70	Q1515-01MSD	AU-06-030625MSD	MSD	03/12/25 16:06	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
71	Q1515-01A	AU-06-030625A	PS	03/12/25 16:10	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
72	CCV06	CCV06	CCV	03/12/25 16:25		Kareem	OK
73	CCB06	CCB06	CCB	03/12/25 16:30		Kareem	OK
74	Q1540-01MS	OU4-CF-15R-031025I	MS	03/12/25 16:34	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
75	Q1540-01MSD	OU4-CF-15R-031025I	MSD	03/12/25 16:38	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
76	Q1516-03	GAS-AUD-25-0026	SAM	03/12/25 16:42		Kareem	OK
77	Q1519-01	WATER TREATMENT	SAM	03/12/25 16:47		Kareem	OK
78	LR1	LR1	HIGH STD	03/12/25 16:53		Kareem	OK
79	LR2	LR2	HIGH STD	03/12/25 16:58		Kareem	OK
80	Q1517-01DL	MOO-25-0062DL	SAM	03/12/25 17:02		Kareem	OK
81	Q1522-02	TW-WTS-04	SAM	03/12/25 17:07		Kareem	OK
82	Q1522-02DUP	TW-WTS-04DUP	DUP	03/12/25 17:11		Kareem	OK

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Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

83	Q1522-02L	TW-WTS-04L	SD	03/12/25 17:16		Kareem	OK
84	CCV07	CCV07	CCV	03/12/25 17:25		Kareem	OK
85	CCB07	CCB07	CCB	03/12/25 17:30		Kareem	OK
86	Q1522-02MS	TW-WTS-04MS	MS	03/12/25 17:35	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
87	Q1522-02MSD	TW-WTS-04MSD	MSD	03/12/25 17:39	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
88	Q1522-02A	TW-WTS-04A	PS	03/12/25 17:43	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
89	Q1478-07	IDW-AQ-IW-03-COMP	SAM	03/12/25 17:47		Kareem	OK
90	Q1478-07DUP	IDW-AQ-IW-03-COMP	DUP	03/12/25 17:52		Kareem	OK
91	Q1478-07L	IDW-AQ-IW-03-COMP	SD	03/12/25 17:56		Kareem	OK
92	Q1478-07MS	IDW-AQ-IW-03-COMP	MS	03/12/25 18:00	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
93	Q1478-07MSD	IDW-AQ-IW-03-COMP	MSD	03/12/25 18:05	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
94	Q1478-07A	IDW-AQ-IW-03-COMP	PS	03/12/25 18:09	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
95	Q1478-01	IDW-AQ-MW-19B-CO	SAM	03/12/25 18:13		Kareem	OK
96	CCV08	CCV08	CCV	03/12/25 18:23		Kareem	OK
97	CCB08	CCB08	CCB	03/12/25 18:27		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135011

Review By	kareem	Review On	3/13/2025 10:36:08 AM
Supervise By	jaswal	Supervise On	3/14/2025 1:32:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

98	Q1478-03	IDW-AQ-IW-01-COMP	SAM	03/12/25 18:31		Kareem	OK
99	Q1478-05	IDW-AQ-IW-02-COMP	SAM	03/12/25 18:36		Kareem	OK
100	Q1477-01	RW7-SP100-2025022	SAM	03/12/25 18:40		Kareem	OK
101	Q1477-04	RW7-SP303-2025022	SAM	03/12/25 18:44		Kareem	OK
102	CCV09	CCV09	CCV	03/12/25 18:49		Kareem	OK
103	CCB09	CCB09	CCB	03/12/25 18:53		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135035

Review By	jaswal	Review On	3/14/2025 1:24:23 PM
Supervise By	Mohan	Supervise On	3/14/2025 1:33:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84846,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/13/25 11:42		Kareem	OK
2	S1	S1	CAL2	03/13/25 11:46		Kareem	OK
3	S2	S2	CAL3	03/13/25 11:50		Kareem	OK
4	S3	S3	CAL4	03/13/25 11:54		Kareem	OK
5	S4	S4	CAL5	03/13/25 11:59		Kareem	OK
6	S5	S5	CAL6	03/13/25 12:03		Kareem	OK
7	ICV01	ICV01	ICV	03/13/25 12:07		Kareem	OK
8	LLICV01	LLICV01	LLICV	03/13/25 12:13		Kareem	OK
9	ICB01	ICB01	ICB	03/13/25 12:17		Kareem	OK
10	CRI01	CRI01	CRDL	03/13/25 12:21		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/13/25 12:25		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/13/25 12:30		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/13/25 12:34		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/13/25 12:38		Kareem	OK
15	CCV01	CCV01	CCV	03/13/25 12:53		Kareem	OK
16	CCB01	CCB01	CCB	03/13/25 12:58		Kareem	OK
17	PB166963BL	PB166963BL	MB	03/13/25 13:02		Kareem	OK
18	PB166963BS	PB166963BS	LCS	03/13/25 13:06		Kareem	OK

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Supervise By	Mohan	Supervise On	3/14/2025 1:33:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84846,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

19	PB167116BL	PB167116BL	MB	03/13/25 13:10		Kareem	OK
20	PB167116BS	PB167116BS	LCS	03/13/25 13:15		Kareem	OK
21	Q1485-01	DN-B-41	SAM	03/13/25 13:19		Kareem	OK
22	Q1486-01	DN-B-40	SAM	03/13/25 13:23		Kareem	OK
23	Q1487-01	DN-B-42	SAM	03/13/25 13:27		Kareem	OK
24	Q1488-04	ENV-101-SB02	SAM	03/13/25 13:31		Kareem	OK
25	Q1488-06	ENV-102-SB01	SAM	03/13/25 13:35		Kareem	OK
26	Q1488-08	ENV-102-SB02	SAM	03/13/25 13:40		Kareem	OK
27	CCV02	CCV02	CCV	03/13/25 13:49		Kareem	OK
28	CCB02	CCB02	CCB	03/13/25 13:54		Kareem	OK
29	Q1488-10	ENV-104-SB01	SAM	03/13/25 13:58		Kareem	OK
30	Q1488-12	ENV-104-SB02	SAM	03/13/25 14:02		Kareem	OK
31	Q1488-14	ENV-104-GW01	SAM	03/13/25 14:07		Kareem	OK
32	Q1488-01	ENV-101-SB01	SAM	03/13/25 14:11		Kareem	OK
33	Q1488-03	ENV-101-SB02	SAM	03/13/25 14:15		Kareem	OK
34	Q1488-05	ENV-102-SB01	SAM	03/13/25 14:19		Kareem	OK
35	Q1488-07	ENV-102-SB02	SAM	03/13/25 14:23		Kareem	OK
36	Q1488-09	ENV-104-SB01	SAM	03/13/25 14:27		Kareem	OK
37	Q1488-11	ENV-104-SB02	SAM	03/13/25 14:31		Kareem	OK
38	Q1491-02	COMP	SAM	03/13/25 14:35		Kareem	OK

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Supervise By	Mohan	Supervise On	3/14/2025 1:33:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84846,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

39	CCV03	CCV03	CCV	03/13/25 14:40		Kareem	OK
40	CCB03	CCB03	CCB	03/13/25 14:48		Kareem	OK
41	Q1495-01	001-WILLETS-PT-BL	SAM	03/13/25 14:53		Kareem	OK
42	Q1495-02	002-35TH-AVE(MAR)	SAM	03/13/25 14:57		Kareem	OK
43	Q1514-02	ENV-105-SB01	SAM	03/13/25 15:01		Kareem	OK
44	Q1514-04	ENV-105-SB02	SAM	03/13/25 15:06		Kareem	OK
45	Q1514-06	ENV-103-SB01	SAM	03/13/25 15:10		Kareem	OK
46	Q1514-06DUP	ENV-103-SB01DUP	DUP	03/13/25 15:15		Kareem	OK
47	Q1514-06L	ENV-103-SB01L	SD	03/13/25 15:19		Kareem	OK
48	Q1514-06MS	ENV-103-SB01MS	MS	03/13/25 15:23		Kareem	OK
49	Q1514-06MSD	ENV-103-SB01MSD	MSD	03/13/25 15:28		Kareem	OK
50	Q1514-06A	ENV-103-SB01A	PS	03/13/25 15:34		Kareem	OK
51	CCV04	CCV04	CCV	03/13/25 15:38		Kareem	OK
52	CCB04	CCB04	CCB	03/13/25 15:42		Kareem	OK
53	Q1514-08	ENV-103-GW01	SAM	03/13/25 15:46		Kareem	OK
54	Q1514-09	FB03062025	SAM	03/13/25 15:51		Kareem	OK
55	Q1514-01	ENV-105-SB01	SAM	03/13/25 15:55		Kareem	OK
56	Q1514-03	ENV-105-SB02	SAM	03/13/25 15:59		Kareem	OK
57	Q1514-05	ENV-103-SB01	SAM	03/13/25 16:03		Kareem	OK
58	Q1525-01	MW10	SAM	03/13/25 16:08	Mn high	Kareem	Dilution

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Supervise By	Mohan	Supervise On	3/14/2025 1:33:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84846,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

59	Q1552-01	NB-418-JB-COMP-01	SAM	03/13/25 16:12		Kareem	OK
60	Q1553-01	RT2321	SAM	03/13/25 16:16		Kareem	OK
61	Q1556-01	OR-02-031225	SAM	03/13/25 16:20	MS,MSD fail for many parameters	Kareem	Not Ok
62	Q1556-01DUP	OR-02-031225DUP	DUP	03/13/25 16:24	MS,MSD fail for many parameters	Kareem	Not Ok
63	CCV05	CCV05	CCV	03/13/25 16:28		Kareem	OK
64	CCB05	CCB05	CCB	03/13/25 16:32		Kareem	OK
65	Q1556-01L	OR-02-031225L	SD	03/13/25 16:37	MS,MSD fail for many parameters	Kareem	Not Ok
66	Q1556-01MS	OR-02-031225MS	MS	03/13/25 16:41	Fail for many parameters	Kareem	Not Ok
67	Q1556-01MSD	OR-02-031225MSD	MSD	03/13/25 16:45	Fail for many parameters	Kareem	Not Ok
68	Q1556-01A	OR-02-031225A	PS	03/13/25 16:49	MS,MSD fail for many parameters	Kareem	Not Ok
69	LR1	LR1	HIGH STD	03/13/25 16:53		Kareem	OK
70	LR2	LR2	HIGH STD	03/13/25 16:58		Kareem	OK
71	PB167103TB	PB167103TB	MB	03/13/25 17:04		Kareem	OK
72	Q1547-05	OR-620-JB-COMP-01	SAM	03/13/25 17:08		Kareem	OK
73	Q1547-05DUP	OR-620-JB-COMP-01	DUP	03/13/25 17:13		Kareem	OK
74	Q1547-05L	OR-620-JB-COMP-01	SD	03/13/25 17:17		Kareem	OK
75	CCV06	CCV06	CCV	03/13/25 17:21		Kareem	OK
76	CCB06	CCB06	CCB	03/13/25 17:25		Kareem	OK
77	Q1547-05MS	OR-620-JB-COMP-01	MS	03/13/25 17:30		Kareem	OK

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

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135035

Review By	jaswal	Review On	3/14/2025 1:24:23 PM
Supervise By	Mohan	Supervise On	3/14/2025 1:33:41 PM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84846,MP84640,MP84639,MP84638,MP84637
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84640
LCS Standard	
Chk Standard	MP84649,MP84650

78	Q1547-05MSD	OR-620-JB-COMP-01	MSD	03/13/25 17:34		Kareem	OK
79	Q1547-05A	OR-620-JB-COMP-01	PS	03/13/25 17:38		Kareem	OK
80	Q1547-10	OR-620-JB-COMP-02	SAM	03/13/25 17:42		Kareem	OK
81	Q1552-05	NB-418-JB-COMP-01	SAM	03/13/25 17:47		Kareem	OK
82	PB167117BL	PB167117BL	MB	03/13/25 17:51		Kareem	OK
83	PB167117BS	PB167117BS	LCS	03/13/25 17:55		Kareem	OK
84	Q1525-01DL	MW10DL	SAM	03/13/25 17:59	5X for Mn	Kareem	Confirms
85	Q1488-13DL	ENV-102-GW01DL	SAM	03/13/25 18:04	10X for Ag	Kareem	Confirms
86	Q1514-07DL	ENV-105-GW01DL	SAM	03/13/25 18:08	10X for Ca,Ag,Fe	Kareem	Confirms
87	CCV07	CCV07	CCV	03/13/25 18:12		Kareem	OK
88	CCB07	CCB07	CCB	03/13/25 18:35		Kareem	OK
89	Q1488-13	ENV-102-GW01	SAM	03/13/25 18:39	Ag oversaturated	Kareem	Dilution
90	Q1514-07	ENV-105-GW01	SAM	03/13/25 18:44	Ag oversaturated,Ca,Fe high	Kareem	Dilution
91	Q1488-13REDL	ENV-102-GW01RE	SAM	03/13/25 18:49	Not used	Kareem	Not Ok
92	CCV08	CCV08	CCV	03/13/25 18:53		Kareem	OK
93	CCB08	CCB08	CCB	03/13/25 19:03		Kareem	OK
94	Q1528-02	22725	SAM	03/13/25 19:07		Kareem	OK
95	CCV09	CCV09	CCV	03/13/25 19:12		Kareem	OK
96	CCB09	CCB09	CCB	03/13/25 19:21		Kareem	OK

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB167033

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 03/07/2025 **Time :** 14:40 **Temp :** 95 °C

End Digest Date: 03/07/2025 **Time :** 16:40 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84799
CCV	30mL	MP84801
CRA	30mL	MP84803
Blank Spike	0.48mL	MP84792
Matrix Spike	0.48mL	MP84792

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP84563
KMnO4 (5%)	4.5mL	MP84564
K2S2O8 (5%)	2.5mL	MP84565
Hydroxylamine HCL (12%)	2.0mL	MP84566
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP84793
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84794
2.5 ppb	S2.5	30mL	MP84795
5.0 ppb	S5.0	30mL	MP84796
7.5 ppb	S7.5	30mL	MP84797
10.0 ppb	S10.0	30mL	MP84798
ICV	ICV	30mL	MP84799
ICB	ICB	30mL	MP84800
CCV	CCV	30mL	MP84801
CCB	CCB	30mL	MP84802
CRI	CRI	30mL	MP84803
CHK STD	CHK STD	30mL	MP84804

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/7/25 @ 17:10	DIG - DIG LAB	MS - MERCURY LAB
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB167033

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB167020TB	PB167020TB	3	30	<2	N/A	3-1
PB167033BL	PBW033	30	30	<2	N/A	2
PB167033BS	LCS033	30	30	<2	MP84792	3
Q1488-02	ENV-101-SB01	3	30	<2	N/A	4
Q1488-04	ENV-101-SB02	3	30	<2	N/A	5
Q1488-06	ENV-102-SB01	3	30	<2	N/A	6
Q1488-08	ENV-102-SB02	3	30	<2	N/A	7
Q1488-10	ENV-104-SB01	3	30	<2	N/A	8
Q1488-12	ENV-104-SB02	3	30	<2	N/A	9
Q1490-02	CLAY-SLUDGE-DRUMS	3	30	<2	N/A	10
Q1494-04	ASPHALT-SOIL	3	30	<2	N/A	11
Q1494-06	SOIL	3	30	<2	N/A	12
Q1494-08	SOIL-COMP	3	30	<2	N/A	13
Q1510-01	FMC-25-0001-0005	3	30	<2	N/A	14
Q1514-02	ENV-105-SB01	3	30	<2	N/A	15
Q1514-04	ENV-105-SB02	3	30	<2	N/A	16
Q1514-06	ENV-103-SB01	3	30	<2	N/A	17
Q1514-06DUP	ENV-103-SB01DUP	3	30	<2	N/A	18
Q1514-06MS	ENV-103-SB01MS	3	30	<2	MP84792	19
Q1514-06MSD	ENV-103-SB01MSD	3	30	<2	MP84792	20

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB167037

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: 03/10/2025 **Time :** 12:05 **Temp :** 96 °C

End Digest Date: 03/10/2025 **Time :** 15:10 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SJ28.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6003
LFS-2	0.25	M6011
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP84720
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK # 1 CELL 55 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/10/25 16:10	SJ28. met dig.	Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB167037

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB167020TB	PB167020TB	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	15
PB167037BL	PBW037	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	16
PB167037BS	LCS037	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	17
Q1488-02	ENV-101-SB01	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	18
Q1488-04	ENV-101-SB02	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	19
Q1488-06	ENV-102-SB01	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	20
Q1488-08	ENV-102-SB02	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	21
Q1488-10	ENV-104-SB01	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	22
Q1488-12	ENV-104-SB02	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	23
Q1490-02	CLAY-SLUDGE-DRUMS	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	24
Q1494-04	ASPHALT-SOIL	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	25
Q1494-06	SOIL	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	26
Q1494-08	SOIL-COMP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	27
Q1510-01	FMC-25-0001-0005	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	28
Q1514-02	ENV-105-SB01	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	29
Q1514-04	ENV-105-SB02	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	30
Q1514-06	ENV-103-SB01	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	31
Q1514-06MS	ENV-103-SB01MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	33
Q1514-06MSD	ENV-103-SB01MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6003,M6011	34
Q1514-06DUP	ENV-103-SB01DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	32

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 03/06/2025 **Time :** 17:00

End Prep Date : 03/07/2025 **Time :** 11:20

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP

Initial Room Temperature: 25 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IZ

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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1L Amber bottle	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Particle size reduction in not required. TUMBLER T-1 /T-2 checked,30 rpm. q1514-06 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/07/25 12:30	JP / TCLP Room	JP RJ / EXT
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

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
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB167020

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167020TB	LEB020	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-02	ENV-101-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-04	ENV-101-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-06	ENV-102-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-08	ENV-102-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-10	ENV-104-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-12	ENV-104-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1490-02	CLAY-SLUDGE-DRUMS	N/A	N/A	N/A	N/A	100	N/A
Q1494-04	ASPHALT-SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-06	SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-08	SOIL-COMP	N/A	N/A	N/A	N/A	100	N/A
Q1510-01	FMC-25-0001-0005	N/A	N/A	N/A	N/A	100	N/A
Q1514-02	ENV-105-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1514-04	ENV-105-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1514-06	ENV-103-SB01	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB167020

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
PB167020TB	LEB020	N/A	N/A	N/A	N/A	#1	4.94
Q1488-02	ENV-101-SB01	5.01	96.5	6.2	2.5	#1	4.94
Q1488-04	ENV-101-SB02	5.02	96.5	6.6	2.0	#1	4.94
Q1488-06	ENV-102-SB01	5.03	96.5	6.2	2.5	#1	4.94
Q1488-08	ENV-102-SB02	5.04	96.5	7.2	2.5	#1	4.94
Q1488-10	ENV-104-SB01	5.03	96.5	6.6	2.0	#1	4.94
Q1488-12	ENV-104-SB02	5.02	96.5	7.0	2.5	#1	4.94
Q1490-02	CLAY-SLUDGE-DRUMS	5.04	96.5	7.0	2.5	#1	4.94
Q1494-04	ASPHALT-SOIL	5.01	96.5	8.6	3.0	#1	4.94
Q1494-06	SOIL	5.02	96.5	9.1	4.0	#1	4.94
Q1494-08	SOIL-COMP	5.04	96.5	8.6	3.5	#1	4.94
Q1510-01	FMC-25-0001-0005	5.03	96.5	5.6	1.5	#1	4.94
Q1514-02	ENV-105-SB01	5.01	96.5	7.6	2.5	#1	4.94
Q1514-04	ENV-105-SB02	5.02	96.5	8.0	3.0	#1	4.94
Q1514-06	ENV-103-SB01	5.03	96.5	9.1	3.5	#1	4.94

SAMPLE DATA

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25 07:45
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
		% Solid:	91.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.086	U	1	0.086	0.43	mg/Kg	03/07/25 09:00	03/07/25 12:30	7196A
Trivalent Chromium	19.4		1	0.55	0.55	mg/Kg		03/13/25 15:55	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

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:	03/05/25 07:45
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.46	H	1	0	0	pH		03/10/25 09:33	9045D
Ignitability	NO		1	0	0	oC		03/10/25 09:07	1030
Reactive Cyanide	0.079	J	1	0.043	0.25	mg/Kg	03/10/25 11:00	03/10/25 15:36	9012B
Reactive Sulfide	4.76	J	1	0.19	10.0	mg/Kg	03/10/25 13:30	03/11/25 08:44	9034

Comments: pH result reported at temperature 24.3 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25 08:00
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
		% Solid:	81

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.096	U	1	0.096	0.49	mg/Kg	03/07/25 09:00	03/07/25 12:31	7196A
Trivalent Chromium	6.40		1	0.62	0.62	mg/Kg		03/13/25 15:59	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

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:	03/05/25 08:00
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-04	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.80	H	1	0	0	pH		03/10/25 09:37	9045D
Ignitability	NO		1	0	0	oC		03/10/25 09:15	1030
Reactive Cyanide	0.080	J	1	0.042	0.24	mg/Kg	03/10/25 11:00	03/10/25 15:36	9012B
Reactive Sulfide	1.59	J	1	0.19	10.0	mg/Kg	03/10/25 13:30	03/11/25 08:47	9034

Comments: pH result reported at temperature 24.2 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25 10:25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
		% Solid:	89.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Hexavalent Chromium	0.087	U	1	0.087	0.44	mg/Kg	03/07/25 09:00	03/07/25 12:32	7196A
Trivalent Chromium	28.4		1	0.56	0.56	mg/Kg		03/13/25 16:03	6010D

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25 10:25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-06	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	9.11	H	1	0	0	pH		03/10/25 09:44	9045D
Ignitability	NO		1	0	0	oC		03/10/25 09:22	1030
Reactive Cyanide	0.075	J	1	0.044	0.25	mg/Kg	03/10/25 11:00	03/10/25 15:36	9012B
Reactive Sulfide	3.16	J	1	0.19	10.0	mg/Kg	03/10/25 13:30	03/11/25 08:50	9034

Comments: pH result reported at temperature 23.7 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25 08:15
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	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		03/06/25 16:44	7196A
trivalent Chromium	0.76		1	0.010	0.010	mg/L		03/13/25 18:44	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:	03/05/25 10:40
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	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		03/06/25 16:48	7196A
trivalent Chromium	0.16		1	0.010	0.010	mg/L		03/13/25 15:46	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:	03/06/25 00:00
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	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		03/06/25 16:49	7196A
trivalent Chromium	0.010	U	1	0.010	0.010	mg/L		03/13/25 15:51	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.:**	Q1514
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB134933

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	03/06/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.504	0.5	101	90-110	03/06/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	03/06/2025

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Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1514
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB134940

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	03/07/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	03/07/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	03/07/2025
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	03/07/2025
Sample ID: CCV4						
Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	03/07/2025

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Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1514
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB134956

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV**						
Corrosivity	pH	7.01	7	100	90-110	03/10/2025
Sample ID: **CCV1**						
Corrosivity	pH	2.02	2.00	101	90-110	03/10/2025
Sample ID: **CCV2**						
Corrosivity	pH	12.02	12.00	100	90-110	03/10/2025

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Initial and Continuing Calibration Verification

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1514
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB134969

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	03/10/2025
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	03/10/2025
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	03/10/2025
Sample ID: CCV3						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	03/10/2025
Sample ID: CCV4						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	03/10/2025

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Initial and Continuing Calibration Blank Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1514
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB134933

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	03/06/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/06/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/06/2025

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Initial and Continuing Calibration Blank Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1514
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB134940

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	03/07/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/07/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/07/2025
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/07/2025
Sample ID: CCB4							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	03/07/2025

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Initial and Continuing Calibration Blank Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1514
Project:	Amtrak Sawtooth Bridges 2025	**RunNo.:**	LB134969

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	0.0014	0.0025	J	0.00099	0.005	03/10/2025
Sample ID: CCB1							
Reactive Cyanide	mg/L	0.0014	0.0025	J	0.00099	0.005	03/10/2025
Sample ID: CCB2							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	03/10/2025
Sample ID: CCB3							
Reactive Cyanide	mg/L	0.0013	0.0025	J	0.00099	0.005	03/10/2025
Sample ID: CCB4							
Reactive Cyanide	mg/L	0.0017	0.0025	J	0.00099	0.005	03/10/2025

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Preparation Blank Summary

Client: Portal Partners Tri-Venture **SDG No.:** Q1514

Project: Amtrak Sawtooth Bridges 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134933BL							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	03/06/2025
Sample ID: PB167015BL							
Reactive Cyanide	mg/Kg	0.068	0.1250	J	0.044	0.25	03/10/2025
Sample ID: PB167023BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	03/07/2025
Sample ID: PB167041BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.186	10	03/11/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1514
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1514-05
Client ID: ENV-103-SB01MS
Percent Solids for Spike Sample: 89.1

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	1380		0.087	U	1440	40	96		03/07/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1514
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1514-05
Client ID: ENV-103-SB01MS
Percent Solids for Spike Sample: 89.1

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	42.5		0.087	U	44.9	2	95		03/07/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1514
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1514-05
Client ID: ENV-103-SB01MS
Percent Solids for Spike Sample: 89.1

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	38.2		0.087	U	44.9	2	85		03/07/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1514
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1514-07
Client ID: ENV-105-GW01MS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/L	90-111	0.97		0.0030	U	1.0	2	97		03/06/2025

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Matrix Spike Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1514
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1514-07
Client ID: ENV-105-GW01MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/L	90-111	0.97		0.0030	U	1.0	2	97		03/06/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2025
Client ID: CLAY-SLUDGE-DRUMSDUP
SDG No.: Q1514
Sample ID: Q1490-02
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Cyanide	mg/Kg	+/-20	0.076	J	0.059	J	1	25	*	03/10/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2025
Client ID: FMC-25-0001-0005DUP
SDG No.: Q1514
Sample ID: Q1510-01
Percent Solids for Spike Sample: 80.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Sulfide	mg/Kg	+/-20	1.58	J	1.58	J	1	0		03/11/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1514
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1514-05
Client ID: ENV-103-SB01DUP
Percent Solids for Spike Sample: 89.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.087	U	0.087	U	1	0		03/07/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1514
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1514-07
Client ID: ENV-105-GW01DUP
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		03/06/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
SDG No.: Q1514
Project: Amtrak Sawtooth Bridges 2025
Sample ID: Q1514-07
Client ID: ENV-105-GW01MSD
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	0.97		0.97		2	0.21		03/06/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2025
Client ID: WC-AI-02-CDUP
SDG No.: Q1514
Sample ID: Q1523-06
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	12.3		12.3		1	0.08		03/10/2025

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Duplicate Sample Summary

Client: Portal Partners Tri-Venture
Project: Amtrak Sawtooth Bridges 2025
Client ID: 60289DUP
SDG No.: Q1514
Sample ID: Q1529-04
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		03/10/2025

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Laboratory Control Sample Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1514
Project:	Amtrak Sawtooth Bridges 2025	**Run No.:**	LB134933

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB134933BS								
Hexavalent Chromium	mg/L	0.5	0.51		103	1	90-111	03/06/2025

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Laboratory Control Sample Summary

Client:	Portal Partners Tri-Venture	**SDG No.:**	Q1514
Project:	Amtrak Sawtooth Bridges 2025	**Run No.:**	LB134940

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB167023BS								
Hexavalent Chromium	mg/Kg	20	20.1		101	1	84-110	03/07/2025

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134933

Review By	rubina	Review On	3/7/2025 12:23:25 PM
Supervise By	Iwona	Supervise On	3/7/2025 12:42:02 PM
SubDirectory	LB134933	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	WP112223,WP112222,WP112220,WP112219,WP112185,WP110380,WP112221,WP112226,WP112224,WP112225

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	03/06/25 16:30		rubina	OK
2	CAL2	CAL2	CAL	03/06/25 16:31		rubina	OK
3	CAL3	CAL3	CAL	03/06/25 16:32		rubina	OK
4	CAL4	CAL4	CAL	03/06/25 16:33		rubina	OK
5	CAL5	CAL5	CAL	03/06/25 16:34		rubina	OK
6	CAL6	CAL6	CAL	03/06/25 16:35		rubina	OK
7	CAL7	CAL7	CAL	03/06/25 16:36		rubina	OK
8	ICV	ICV	ICV	03/06/25 16:37		rubina	OK
9	ICB	ICB	ICB	03/06/25 16:38		rubina	OK
10	CCV1	CCV1	CCV	03/06/25 16:39		rubina	OK
11	CCB1	CCB1	CCB	03/06/25 16:40		rubina	OK
12	RL Check	RL Check	SAM	03/06/25 16:41		rubina	OK
13	LB134933BL	LB134933BL	MB	03/06/25 16:42		rubina	OK
14	LB134933BS	LB134933BS	LCS	03/06/25 16:43		rubina	OK
15	Q1514-07	ENV-105-GW01	SAM	03/06/25 16:44		rubina	OK
16	Q1514-07DUP	ENV-105-GW01DUP	DUP	03/06/25 16:45		rubina	OK
17	Q1514-07MS	ENV-105-GW01MS	MS	03/06/25 16:46	1ML WP111315+99.0ML SAMPLE	rubina	OK
18	Q1514-07MSD	ENV-105-GW01MSD	MSD	03/06/25 16:47	1ML WP111315+99.0ML SAMPLE	rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134933

Review By	rubina	Review On	3/7/2025 12:23:25 PM
Supervise By	Iwona	Supervise On	3/7/2025 12:42:02 PM
SubDirectory	LB134933	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	WP112223,WP112222,WP112220,WP112219,WP112185,WP110380,WP112221,WP112226,WP112224,WP112225

19	Q1514-08	ENV-103-GW01	SAM	03/06/25 16:48		rubina	OK
20	Q1514-09	FB03062025	SAM	03/06/25 16:49		rubina	OK
21	CCV2	CCV2	CCV	03/06/25 16:50		rubina	OK
22	CCB2	CCB2	CCB	03/06/25 16:51		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134940

Review By	rubina	Review On	3/7/2025 12:52:03 PM
Supervise By	Iwona	Supervise On	3/7/2025 1:18:19 PM
SubDirectory	LB134940	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	WP112185,WP110380,WP110381,WP111249

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	03/07/25 12:00		rubina	OK
2	CAL2	CAL2	CAL	03/07/25 12:01		rubina	OK
3	CAL3	CAL3	CAL	03/07/25 12:02		rubina	OK
4	CAL4	CAL4	CAL	03/07/25 12:03		rubina	OK
5	CAL5	CAL5	CAL	03/07/25 12:04		rubina	OK
6	CAL6	CAL6	CAL	03/07/25 12:05		rubina	OK
7	CAL7	CAL7	CAL	03/07/25 12:06		rubina	OK
8	ICV	ICV	ICV	03/07/25 12:07		rubina	OK
9	ICB	ICB	ICB	03/07/25 12:08		rubina	OK
10	CCV1	CCV1	CCV	03/07/25 12:09		rubina	OK
11	CCB1	CCB1	CCB	03/07/25 12:10		rubina	OK
12	RL Check	RL Check	SAM	03/07/25 12:11		rubina	OK
13	PB167023BL	PB167023BL	MB	03/07/25 12:12		rubina	OK
14	PB167023BS	PB167023BS	LCS	03/07/25 12:13		rubina	OK
15	Q1481-01	WC-K1311	SAM	03/07/25 12:14		rubina	OK
16	Q1484-01	TR-OTR-COMP-01	SAM	03/07/25 12:15		rubina	OK
17	Q1488-01	ENV-101-SB01	SAM	03/07/25 12:16		rubina	OK
18	Q1488-03	ENV-101-SB02	SAM	03/07/25 12:17		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134940

Review By	rubina	Review On	3/7/2025 12:52:03 PM
Supervise By	Iwona	Supervise On	3/7/2025 1:18:19 PM
SubDirectory	LB134940	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	WP112185,WP110380,WP110381,WP111249

19	Q1488-05	ENV-102-SB01	SAM	03/07/25 12:18		rubina	OK
20	Q1488-07	ENV-102-SB02	SAM	03/07/25 12:19		rubina	OK
21	Q1488-09	ENV-104-SB01	SAM	03/07/25 12:20		rubina	OK
22	Q1488-11	ENV-104-SB02	SAM	03/07/25 12:21		rubina	OK
23	CCV2	CCV2	CCV	03/07/25 12:22		rubina	OK
24	CCB2	CCB2	CCB	03/07/25 12:23		rubina	OK
25	Q1490-01	CLAY-SLUDGE-DRUI	SAM	03/07/25 12:24		rubina	OK
26	Q1494-03	ASPHALT-SOIL	SAM	03/07/25 12:25		rubina	OK
27	Q1494-05	SOIL	SAM	03/07/25 12:26		rubina	OK
28	Q1494-07	SOIL-COMP	SAM	03/07/25 12:27		rubina	OK
29	Q1507-01	50-MIDDLESEX-AVE	SAM	03/07/25 12:28		rubina	OK
30	Q1508-01	RBR251372	SAM	03/07/25 12:29		rubina	OK
31	Q1514-01	ENV-105-SB01	SAM	03/07/25 12:30		rubina	OK
32	Q1514-03	ENV-105-SB02	SAM	03/07/25 12:31		rubina	OK
33	Q1514-05	ENV-103-SB01	SAM	03/07/25 12:32		rubina	OK
34	Q1514-05DUP	ENV-103-SB01DUP	DUP	03/07/25 12:33		rubina	OK
35	CCV3	CCV3	CCV	03/07/25 12:34		rubina	OK
36	CCB3	CCB3	CCB	03/07/25 12:35		rubina	OK
37	Q1514-05MSPre	ENV-103-SB01MS	MS	03/07/25 12:36		rubina	OK
38	Q1514-05MS2Ins	ENV-103-SB01MS	MS	03/07/25 12:37		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134940

Review By	rubina	Review On	3/7/2025 12:52:03 PM
Supervise By	lwona	Supervise On	3/7/2025 1:18:19 PM
SubDirectory	LB134940	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	WP112185,WP110380,WP110381,WP111249

39	Q1514-05MS3Post	ENV-103-SB01MS	MS	03/07/25 12:38		rubina	OK
40	CCV4	CCV4	CCV	03/07/25 12:39		rubina	OK
41	CCB4	CCB4	CCB	03/07/25 12:40		rubina	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB134956

Review By	jignesh	Review On	3/10/2025 9:32:25 AM
Supervise By	Iwona	Supervise On	3/10/2025 10:04:54 AM
SubDirectory	LB134956	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,W3161,W3072

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	03/10/25 08:15		Jignesh	OK
2	CAL2	CAL2	CAL	03/10/25 08:16		Jignesh	OK
3	CAL3	CAL3	CAL	03/10/25 08:20		Jignesh	OK
4	ICV	ICV	ICV	03/10/25 08:25		Jignesh	OK
5	CCV1	CCV1	CCV	03/10/25 09:20		Jignesh	OK
6	Q1510-01	FMC-25-0001-0005	SAM	03/10/25 09:25		Jignesh	OK
7	Q1514-02	ENV-105-SB01	SAM	03/10/25 09:33		Jignesh	OK
8	Q1514-04	ENV-105-SB02	SAM	03/10/25 09:37		Jignesh	OK
9	Q1514-06	ENV-103-SB01	SAM	03/10/25 09:44		Jignesh	OK
10	Q1523-03	WC-A1-01-C	SAM	03/10/25 09:55		Jignesh	OK
11	Q1523-06	WC-A2-02-C	SAM	03/10/25 10:10		Jignesh	OK
12	Q1523-06DUP	WC-A2-02-C	DUP	03/10/25 10:11		Jignesh	OK
13	CCV2	CCV2	CCV	03/10/25 10:15		Jignesh	OK

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Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB134966

Review By	rubina	Review On	3/10/2025 3:00:49 PM
Supervise By	Iwona	Supervise On	3/10/2025 3:02:00 PM
SubDirectory	LB134966	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	Q1510-01	FMC-25-0001-0005	SAM	03/10/25 09:00		rubina	OK
2	Q1514-02	ENV-105-SB01	SAM	03/10/25 09:07		rubina	OK
3	Q1514-04	ENV-105-SB02	SAM	03/10/25 09:15		rubina	OK
4	Q1514-06	ENV-103-SB01	SAM	03/10/25 09:22		rubina	OK
5	Q1516-01	GAS-AUD-25-0004	SAM	03/10/25 09:30		rubina	OK
6	Q1516-02	GAS-AUD-25-0025	SAM	03/10/25 09:38		rubina	OK
7	Q1518-01	OILY-DEBRIS-COMP	SAM	03/10/25 09:45		rubina	OK
8	Q1523-03	WC-A1-01-C	SAM	03/10/25 09:52		rubina	OK
9	Q1523-06	WC-A2-02-C	SAM	03/10/25 10:00		rubina	OK
10	Q1529-01	60300	SAM	03/10/25 10:08		rubina	OK
11	Q1529-02	60301	SAM	03/10/25 10:15		rubina	OK
12	Q1529-03	60303	SAM	03/10/25 10:22		rubina	OK
13	Q1529-04	60289	SAM	03/10/25 10:30		rubina	OK
14	Q1529-04DUP	60289DUP	DUP	03/10/25 10:38		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB134969

Review By	Niha	Review On	3/11/2025 10:45:59 AM
Supervise By	Iwona	Supervise On	3/11/2025 4:16:35 PM
SubDirectory	LB134969	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP112236,WP112237,WP112238,WP112239,WP112240,WP112241,WP112242
ICV Standard	WP112243
CCV Standard	WP112237
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP111035,WP110103,WP112244

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/10/25 10:17		Niha	OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/10/25 10:17		Niha	OK
3	10PPBCN	10PPBCN	CAL3	03/10/25 10:17		Niha	OK
4	50PPBCN	50PPBCN	CAL4	03/10/25 10:17		Niha	OK
5	100PPBCN	100PPBCN	CAL5	03/10/25 10:17		Niha	OK
6	250PPBCN	250PPBCN	CAL6	03/10/25 10:17		Niha	OK
7	500PPBCN	500PPBCN	CAL7	03/10/25 10:17		Niha	OK
8	ICV1	ICV1	ICV	03/10/25 15:29		Niha	OK
9	ICB1	ICB1	ICB	03/10/25 15:29		Niha	OK
10	CCV1	CCV1	CCV	03/10/25 15:29		Niha	OK
11	CCB1	CCB1	CCB	03/10/25 15:29		Niha	OK
12	PB167015BL	PB167015BL	MB	03/10/25 15:29		Niha	OK
13	Q1490-02	CLAY-SLUDGE-DRUI	SAM	03/10/25 15:29		Niha	OK
14	Q1490-02DUP	CLAY-SLUDGE-DRUI	DUP	03/10/25 15:36		Niha	OK
15	Q1494-04	ASPHALT-SOIL	SAM	03/10/25 15:36		Niha	OK
16	Q1494-06	SOIL	SAM	03/10/25 15:36		Niha	OK
17	Q1494-08	SOIL-COMP	SAM	03/10/25 15:36		Niha	OK
18	Q1510-01	FMC-25-0001-0005	SAM	03/10/25 15:36		Niha	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB134969

Review By	Niha	Review On	3/11/2025 10:45:59 AM
Supervise By	Iwona	Supervise On	3/11/2025 4:16:35 PM
SubDirectory	LB134969	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP112236,WP112237,WP112238,WP112239,WP112240,WP112241,WP112242
ICV Standard	WP112243
CCV Standard	WP112237
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP111035,WP110103,WP112244

19	Q1514-02	ENV-105-SB01	SAM	03/10/25 15:36		Niha	OK
20	Q1514-04	ENV-105-SB02	SAM	03/10/25 15:36		Niha	OK
21	Q1514-06	ENV-103-SB01	SAM	03/10/25 15:36		Niha	OK
22	CCV2	CCV2	CCV	03/10/25 15:37		Niha	OK
23	CCB2	CCB2	CCB	03/10/25 15:44		Niha	OK
24	Q1523-03	WC-A1-01-C	SAM	03/10/25 15:44		Niha	OK
25	Q1534-12	OR-636-COMP-17	SAM	03/10/25 15:44		Niha	OK
26	Q1534-18	OR-636-COMP-18	SAM	03/10/25 15:44		Niha	OK
27	Q1534-24	OR-636-COMP-19	SAM	03/10/25 15:44		Niha	OK
28	Q1534-06	OR-636-COMP-16	SAM	03/10/25 15:44		Niha	OK
29	Q1523-06	WC-A2-02-C	SAM	03/10/25 15:44		Niha	OK
30	PB167048BL	PB167048BL	MB	03/10/25 15:44		Niha	OK
31	Q1494-01	PURGE-WATER	SAM	03/10/25 15:44		Niha	OK
32	Q1494-01DUP	PURGE-WATERDUP	DUP	03/10/25 15:51		Niha	OK
33	Q1517-01	MOO-25-0062	SAM	03/10/25 15:51		Niha	OK
34	CCV3	CCV3	CCV	03/10/25 15:52		Niha	OK
35	CCB3	CCB3	CCB	03/10/25 15:52		Niha	OK
36	Q1538-01	BELL-25-0004	SAM	03/10/25 15:52		Niha	OK
37	CCV4	CCV4	CCV	03/10/25 15:52		Niha	OK
38	CCB4	CCB4	CCB	03/10/25 15:52		Niha	OK

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Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB134977

Review By	rubina	Review On	3/11/2025 11:55:37 AM
Supervise By	Iwona	Supervise On	3/11/2025 11:59:22 AM
SubDirectory	LB134977	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	PB167041BL	PB167041BL	MB	03/11/25 08:35		rubina	OK
2	Q1510-01	FMC-25-0001-0005	SAM	03/11/25 08:38		rubina	OK
3	Q1510-01DUP	FMC-25-0001-0005DU	DUP	03/11/25 08:41		rubina	OK
4	Q1514-02	ENV-105-SB01	SAM	03/11/25 08:44		rubina	OK
5	Q1514-04	ENV-105-SB02	SAM	03/11/25 08:47		rubina	OK
6	Q1514-06	ENV-103-SB01	SAM	03/11/25 08:50		rubina	OK
7	Q1523-03	WC-A1-01-C	SAM	03/11/25 08:53		rubina	OK
8	Q1523-06	WC-A2-02-C	SAM	03/11/25 08:56		rubina	OK
9	Q1534-06	OR-636-COMP-16	SAM	03/11/25 08:58		rubina	OK
10	Q1534-12	OR-636-COMP-17	SAM	03/11/25 09:00		rubina	OK
11	Q1534-18	OR-636-COMP-18	SAM	03/11/25 09:03		rubina	OK
12	Q1534-24	OR-636-COMP-19	SAM	03/11/25 09:05		rubina	OK

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LAB CHRONICLE

OrderID:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-01	**ENV-105-SB01**	**SOIL**			**03/05/25 07:45**			**03/06/25**
			Hexavalent Chromium	7196A		03/07/25	03/07/25 12:30	
			Trivalent Chromium	6010D			03/13/25 15:55	
Q1514-02	**ENV-105-SB01**	**SOIL**			**03/05/25 07:45**			**03/06/25**
			Corrosivity	9045D			03/10/25 09:33	
			Ignitability	1030			03/10/25 09:07	
			Reactive Cyanide	9012B		03/10/25	03/10/25 15:36	
			Reactive Sulfide	9034		03/10/25	03/11/25 08:44	
Q1514-03	**ENV-105-SB02**	**SOIL**			**03/05/25 08:00**			**03/06/25**
			Hexavalent Chromium	7196A		03/07/25	03/07/25 12:31	
			Trivalent Chromium	6010D			03/13/25 15:59	
Q1514-04	**ENV-105-SB02**	**SOIL**			**03/05/25 08:00**			**03/06/25**
			Corrosivity	9045D			03/10/25 09:37	
			Ignitability	1030			03/10/25 09:15	
			Reactive Cyanide	9012B		03/10/25	03/10/25 15:36	

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LAB CHRONICLE

			Reactive Sulfide	9034		03/10/25	03/11/25 08:47	
Q1514-05	**ENV-103-SB01**	**SOIL**			**03/05/25 10:25**			**03/06/25**
			Hexavalent Chromium	7196A		03/07/25	03/07/25 12:32	
			Trivalent Chromium	6010D			03/13/25 16:03	
Q1514-06	**ENV-103-SB01**	**SOIL**			**03/05/25 10:25**			**03/06/25**
			Corrosivity	9045D			03/10/25 09:44	
			Ignitability	1030			03/10/25 09:22	
			Reactive Cyanide	9012B		03/10/25	03/10/25 15:36	
			Reactive Sulfide	9034		03/10/25	03/11/25 08:50	
Q1514-07	**ENV-105-GW01**	**WATER**			**03/05/25 08:15**			**03/06/25**
			Hexavalent Chromium	7196A			03/06/25 16:44	
			trivalent Chromium	6010D			03/13/25 18:08	
Q1514-08	**ENV-103-GW01**	**WATER**			**03/05/25 10:40**			**03/06/25**
			Hexavalent Chromium	7196A			03/06/25 16:48	
			trivalent Chromium	6010D			03/13/25 15:46	
Q1514-09	**FB03062025**	**Water**			**03/06/25 12:00**			**03/06/25**
			trivalent Chromium	6010D			03/13/25 15:51	
			Hexavalent Chromium	7196A			03/06/25 16:49	

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Soil/Sludge Reactive Cyanide Preparation Sheet

PB167015

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-20

SDG No : N/A

Start Digest Date: 03/10/2025 **Time :** 11:00 **Temp :** N/A

Matrix : SOIL

End Digest Date: 03/10/2025 **Time :** 12:30 **Temp :** N/A

Pippete ID : N/A

Balance ID : WC SC-7

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:** 12

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP111294
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID		Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03.10.2025, 12:45	NF /WC	NF /WC
	Preparation Group	Analysis Group

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Soil/Sludge Reactive Cyanide Preparation Sheet

PB167015

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB167015BL	PBS015	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1490-02DUP	CLAY-SLUDGE-DRUMSDUP	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1490-02	CLAY-SLUDGE-DRUMS	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1494-04	ASPHALT-SOIL	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1494-06	SOIL	1.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1494-08	SOIL-COMP	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1510-01	FMC-25-0001-0005	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-02	ENV-105-SB01	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-04	ENV-105-SB02	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-06	ENV-103-SB01	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1523-03	WC-AI-01-C	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1523-06	WC-AI-02-C	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1534-06	OR-363-COMP-16	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1534-12	OR-363-COMP-17	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1534-18	OR-363-COMP-18	1.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1534-24	OR-363OR-363-COMP-19-	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Hexavalent Chromium Preparation Sheet

PB167023

15

SOP ID : M3060A,7196A-Hex.Chromium-26

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#3

Block ID : WC S-2, WC S-1

Weigh By : RM

Start Digest Date: 03/07/2025 **Time :** 09:00 **Temp :** 90 °C

End Digest Date: 03/07/2025 **Time :** 10:00 **Temp :** 94 °C

R. Detch 03/07/2025 10-15 90i JRM
03/07/2025 11-15 95i JRM

Digestion tube ID : M6054

Filter paper ID : 400213

pH Meter ID : WC pH meter-1

Block Thermometer ID : WC-Block#1

Prep Technician Signature: RM

Supervisor Signature: JZ

Standared Name	MLS USED	STD REF. # FROM LOG
PRE-DIGESTION SPIKE	2.0ML	WP111315
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP111315
LCSS	1.0ML	WP111316
PBS003	50ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3152
PHOSPHATE BUFFER	0.5ML	WP110498
HEX. DIGESTION SOLN.	50.0ML	WP111908
5M HNO3	5-7ML	WP110381
5N H2SO4	1-3ML	WP110380
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Vol(ml)	Comment
CAL1	CAL1	2.5ML	W3112
CAL2	CAL2	0.2ML	WP112230
CAL3	CAL3	0.5ML	WP112230
CAL4	CAL4	1ML	WP112230
CAL5	CAL5	0.2ML	WP111315
CAL6	CAL6	1ML	WP111315
CAL7	CAL7	2.0ML	WP111315
ICV	ICV	1ML	WP111316
ICB	ICB	2.5ML	W3112
CCV	CCV	1ML	WP111315
CCB	CCB	2.5ML	W3112

Extraction Conformance/Non-Conformance Comments: 03/07/2025 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

PB167023

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB167023BL	PBS023	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB167023BS	LCS023	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1481-01	WC-K1311	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1484-01	TR-OTR-COMP-01	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-01	ENV-101-SB01	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-03	ENV-101-SB02	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-05	ENV-102-SB01	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-07	ENV-102-SB02	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-09	ENV-104-SB01	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-11	ENV-104-SB02	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1490-01	CLAY-SLUDGE-DRUMS	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1494-03	ASPHALT-SOIL	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1494-05	SOIL	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1494-07	SOIL-COMP	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1507-01	50-MIDDLESEX-AVE	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1508-01	RBR251372	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-01	ENV-105-SB01	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-03	ENV-105-SB02	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-05	ENV-103-SB01	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-05DUP	ENV-103-SB01DUP	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-05MSPre	ENV-103-SB01MSPRE	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-05MS2Ins	ENV-103-SB01MS2INS	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-05MS3Post	ENV-103-SB01MS3POST	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

Soil/Sludge Reactive Sulfide Preparation Sheet

PB167041

15

SOP ID : M9030B-Sulfide-12

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : NF

Start Digest Date: 03/10/2025 **Time :** 13:30 **Temp :** N/A

End Digest Date: 03/10/2025 **Time :** 15:00 **Temp :** N/A

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : N/A

Prep Technician Signature: NF

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.5M ZINC ACETATE	5.0ML	WP111004
FORMALDEHYDE	2.0ML	W2725
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

NF 03.10.2025

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

PB167041

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB167041BL	PBS041	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1510-01DUP	FMC-25-0001-0005DUP	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1510-01	FMC-25-0001-0005	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-02	ENV-105-SB01	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-04	ENV-105-SB02	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1514-06	ENV-103-SB01	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1523-03	WC-AI-01-C	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1523-06	WC-AI-02-C	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1534-06	OR-363-COMP-16	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1534-12	OR-363-COMP-17	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1534-18	OR-363-COMP-18	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1534-24	OR-363OR-363-COMP-19-	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1514
COC Number 2046198

16
16.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 610 Adams Ave
CITY Audubon STATE: PA ZIP: 19405
ATTENTION: Joe Krupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Procurement of SB
PROJECT NO: 9500 000818 LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@BEMSYS.COM
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield St
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha Beasley PHONE: 908-789-3148

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

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT BEM EDD

ANALYSIS

1 PCBs
2 TAL Metals
3 TCL - VOC + 10
4 Cr(VI) Cr(III)
5 TCL - SVOCs - BN+20
6 EPH
7 RCRA
8 TCLP
9

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	ENV-105-SB01	S		X	3/5/25	745	9	X	X	X	X	X	X	X	X	
2.	ENV-105-SB02	S		X		800	9			X	X	X	X	X	X	
3.	ENV-105-GW01	GW		X		815	8			X	X	X	X			
4.	ENV-103-SB01	S		X		1025	9			X	X	X	X	X	X	
5.	ENV-103-GW01	GW		X	↓	1040	8	↓	↓	X	X	X	X			
6.	FB030620 25	W			3/6/25			X	X	X	X	X	X			
7.	TB 030620 25				NA	NA				X						
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		
RELINQUISHED BY SAMPLER: 1.	DATE/TIME: 1205 3-6-25	RECEIVED BY: 1.	1205 3-6-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1515 3-6-25	RECEIVED BY: 3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.9 °C
Comments: _____

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1514 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 3/6/2025 2:08:00 PM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 3/6/2025 ~~12:00:00~~ AM 15:15
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
Q1514-01	ENV-105-SB01	Solid	03/05/2025	07:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1514-03	ENV-105-SB02	Solid	03/05/2025	08:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1514-05	ENV-103-SB01	Solid	03/05/2025	10:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1514-07	ENV-105-GW01	Water	03/05/2025	08:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1514-08	ENV-103-GW01	Water	03/05/2025	10:40					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1514-09	FB03062025	Water	~~03/05/2025~~ 03/06/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1514-10	TB03062025	Water	03/05/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1514 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 3/6/2025 2:08:00 PM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 3/6/2025 ~~12:00:00~~ AM 15:15
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

Relinguished By
Date / Time : 3-6-25 1617

Received By :
Date / Time : 3.6.25 16:17
Storage Area : VOA Refridgerator Room